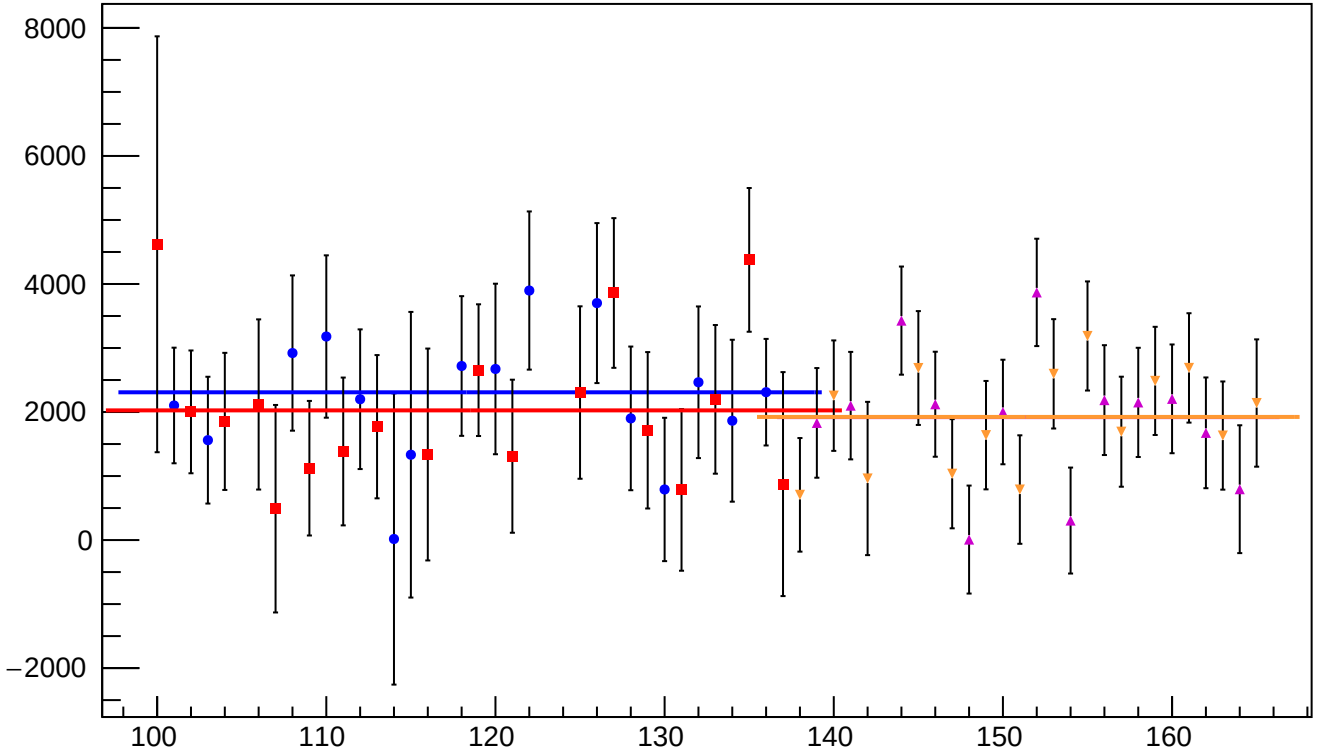
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

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

Left In: 1920.557+/-236.251 χ^2/NDF:19.3/12

Left: 1921.956+/-166.804 χ^2/NDF: 30.0/26

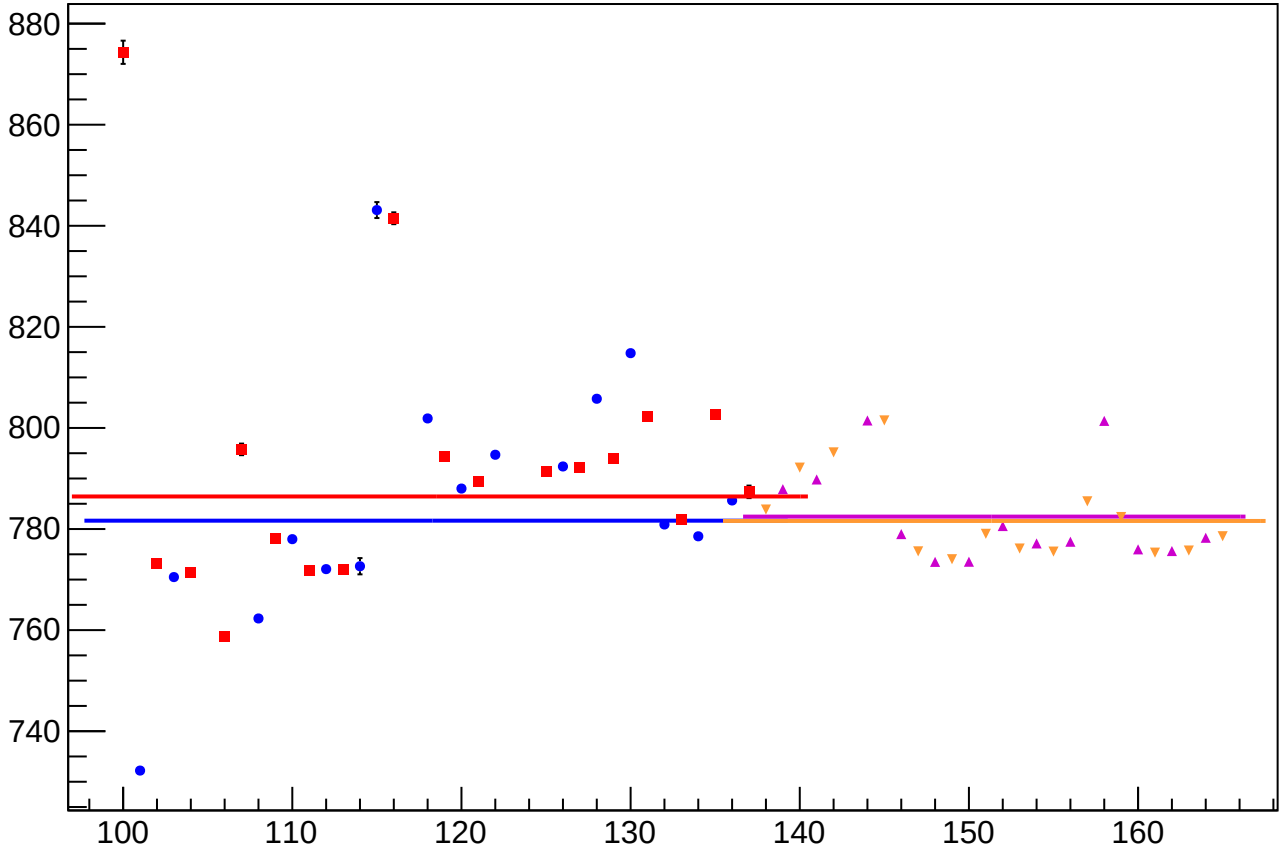
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2074.901+/-183.273 χ^2/NDF:28.2/28

Out: 1964.036+/-182.783 χ^2/NDF:22.7/31

All: 2019.320+/-129.420 χ^2/NDF: 51.1/60

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

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

Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

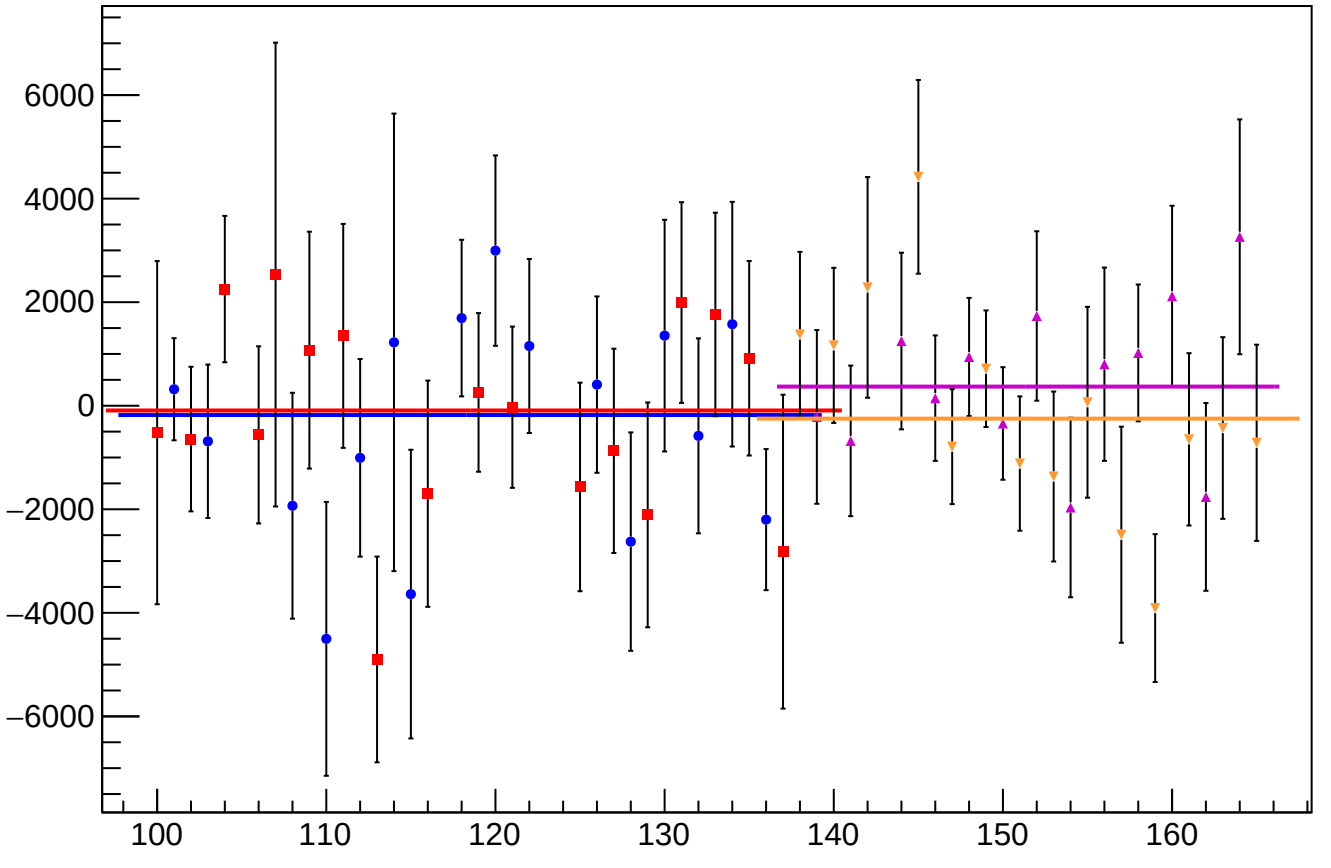
Left: 782.027+/-0.118 χ^2/NDF: 5476.7/26

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

In: 782.138+/-0.130 χ^2/NDF:15496.6/28

Out: 783.525+/-0.129 χ^2/NDF:9833.4/31

All: 782.834+/-0.092 χ^2/NDF: 25387.4/60



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

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

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

Left In: 369.501+/-413.153 χ^2/NDF:8.4/12

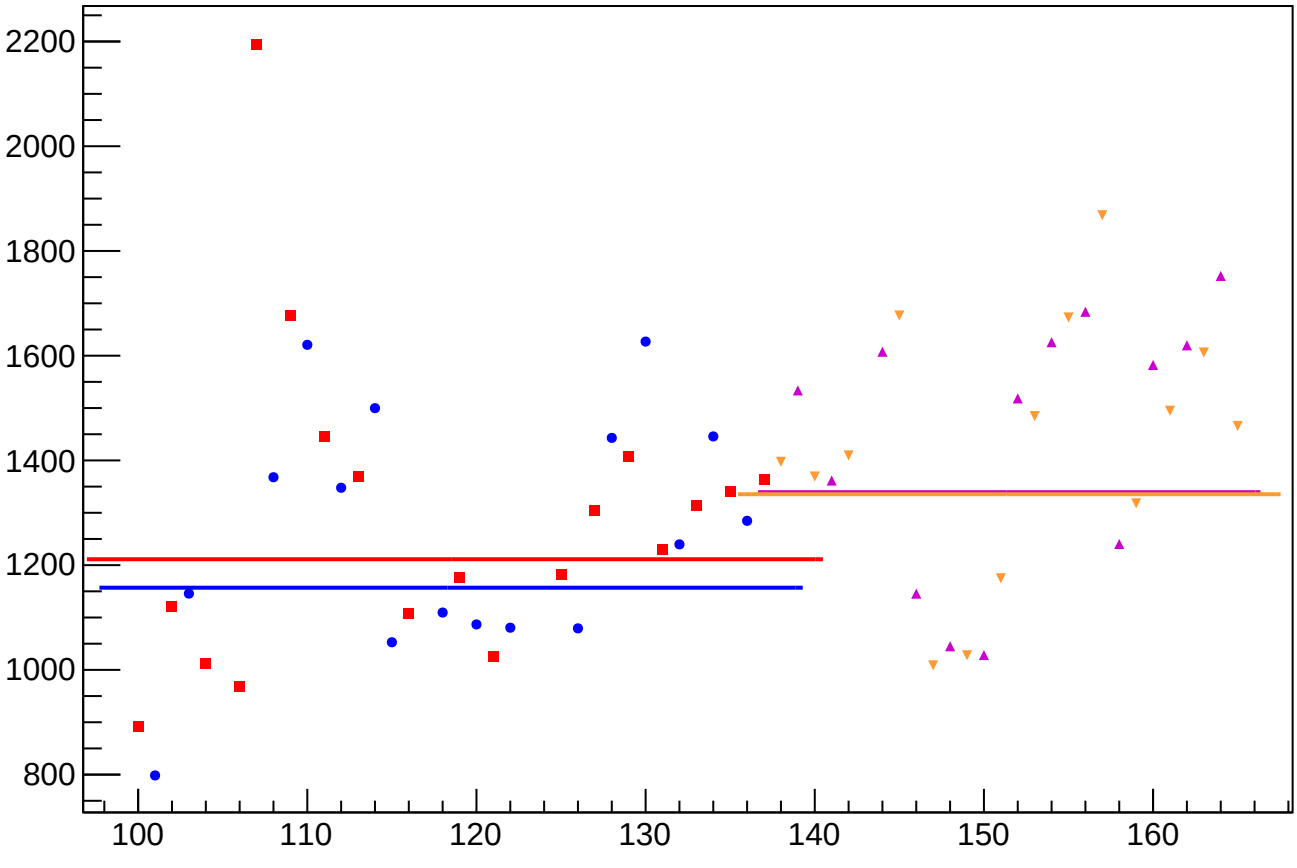
Left: 59.455+/-291.751 χ^2/NDF: 28.9/26

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

In: 112.538+/-301.434 χ^2/NDF:24.6/28

Out: -177.868+/-305.363 χ^2/NDF:34.6/31

All: -30.785+/-214.522 χ^2/NDF: 59.7/60



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

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

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

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

Left: 1337.393+/-0.206 χ^2/NDF: 1451455.4/26

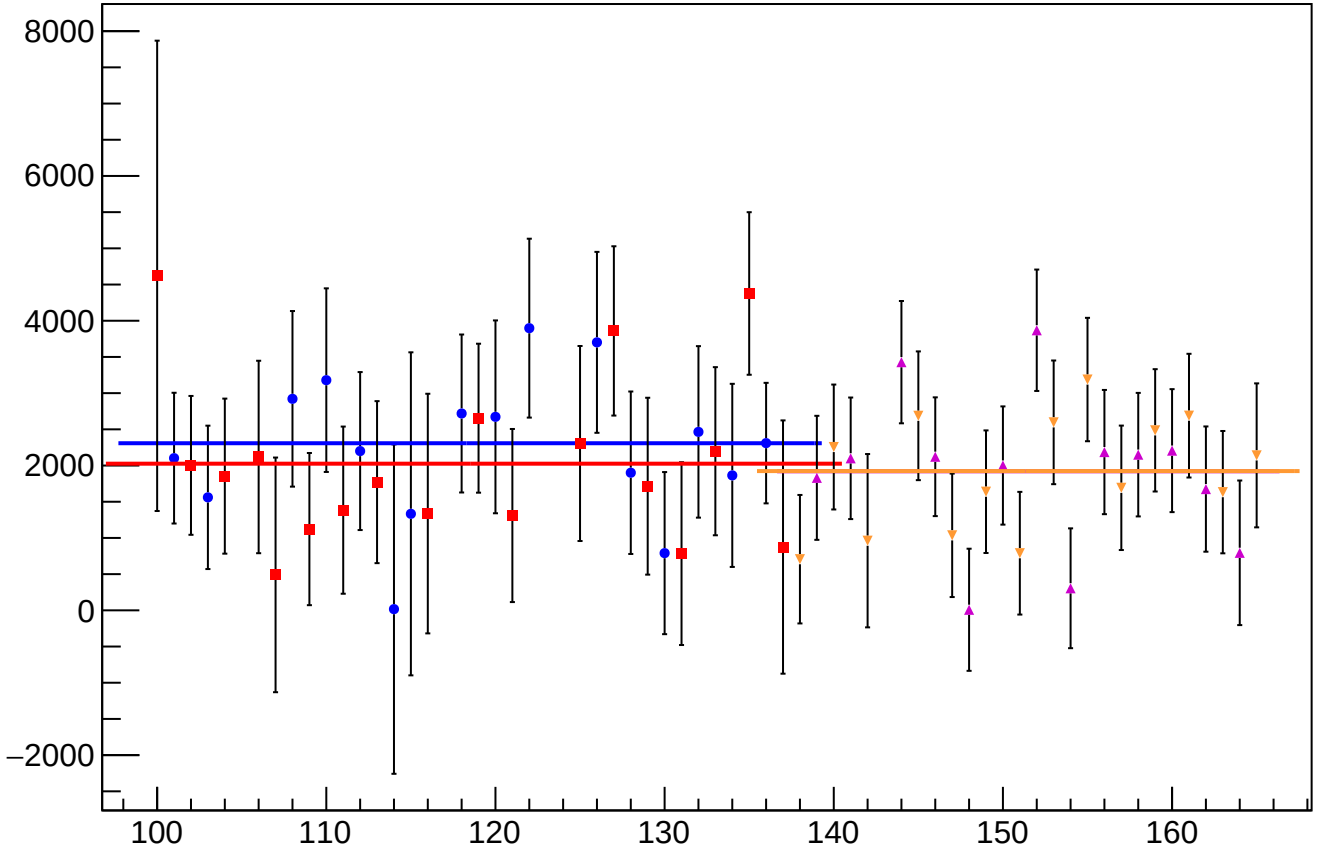
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1254.063+/-0.213 χ^2/NDF:1486710.4/28

Out: 1279.445+/-0.216 χ^2/NDF:1195717.8/31

All: 1266.590+/-0.152 χ^2/NDF: 2689427.0/60

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

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

Left In: 1920.557+/-236.251 χ^2/NDF:19.3/12

Left: 1921.956+/-166.804 χ^2/NDF: 30.0/26

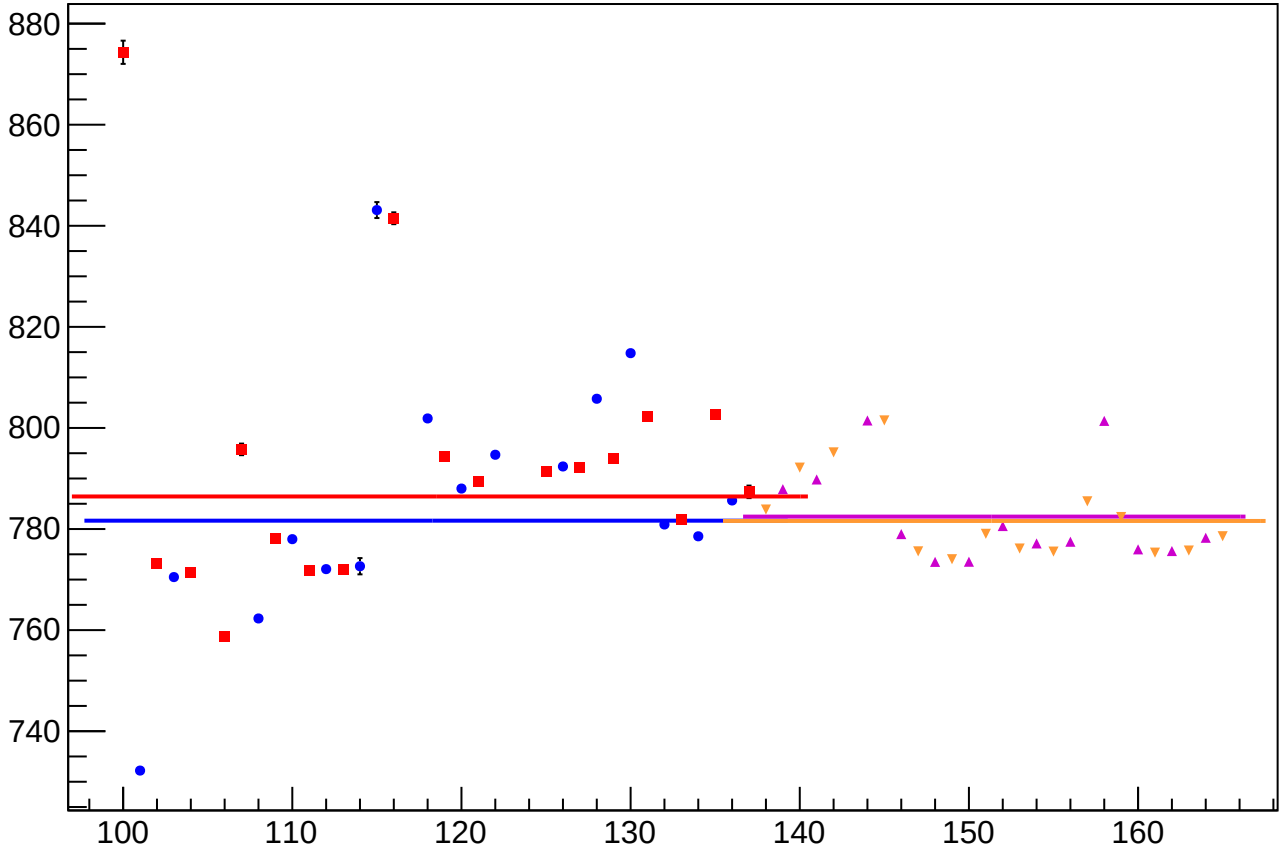
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2074.901+/-183.273 χ^2/NDF:28.2/28

Out: 1964.036+/-182.783 χ^2/NDF:22.7/31

All: 2019.320+/-129.420 χ^2/NDF: 51.1/60

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

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

Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

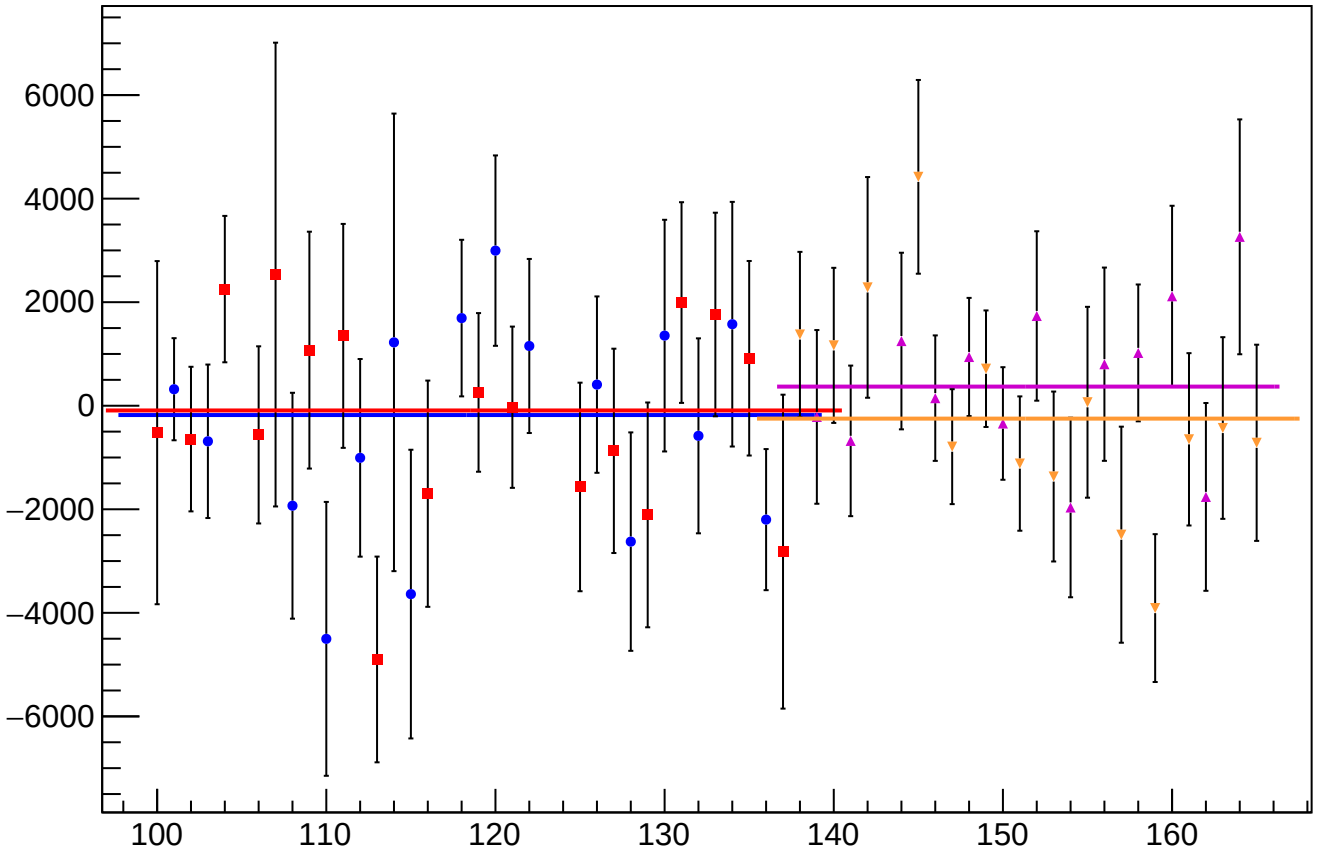
Left: 782.027+/-0.118 χ^2/NDF: 5476.7/26

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

In: 782.138+/-0.130 χ^2/NDF:15496.6/28

Out: 783.525+/-0.129 χ^2/NDF:9833.4/31

All: 782.834+/-0.092 χ^2/NDF: 25387.4/60



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

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

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

Left In: 369.501+/-413.153 χ^2/NDF:8.4/12

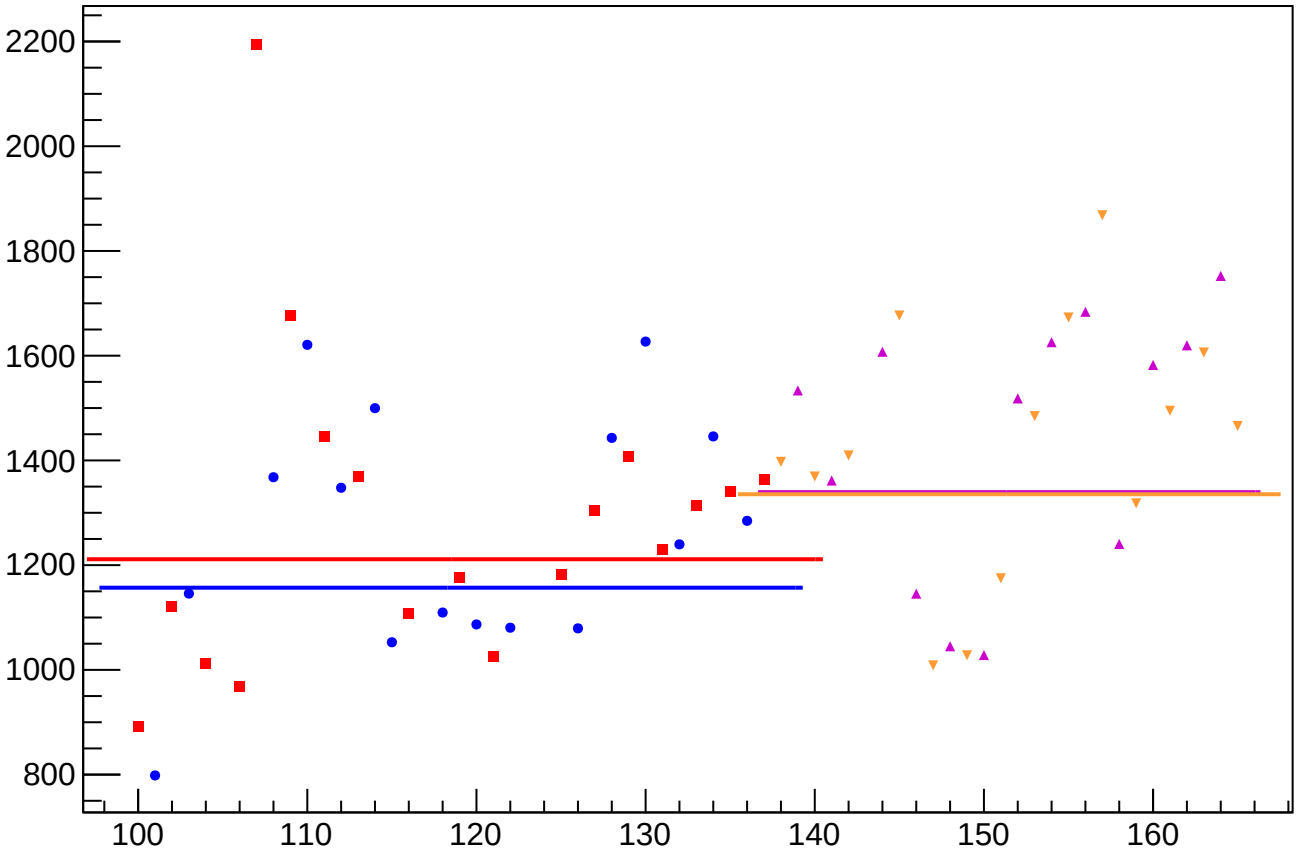
Left: 59.455+/-291.751 χ^2/NDF: 28.9/26

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

In: 112.538+/-301.434 χ^2/NDF:24.6/28

Out: -177.868+/-305.363 χ^2/NDF:34.6/31

All: -30.785+/-214.522 χ^2/NDF: 59.7/60



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

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

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

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

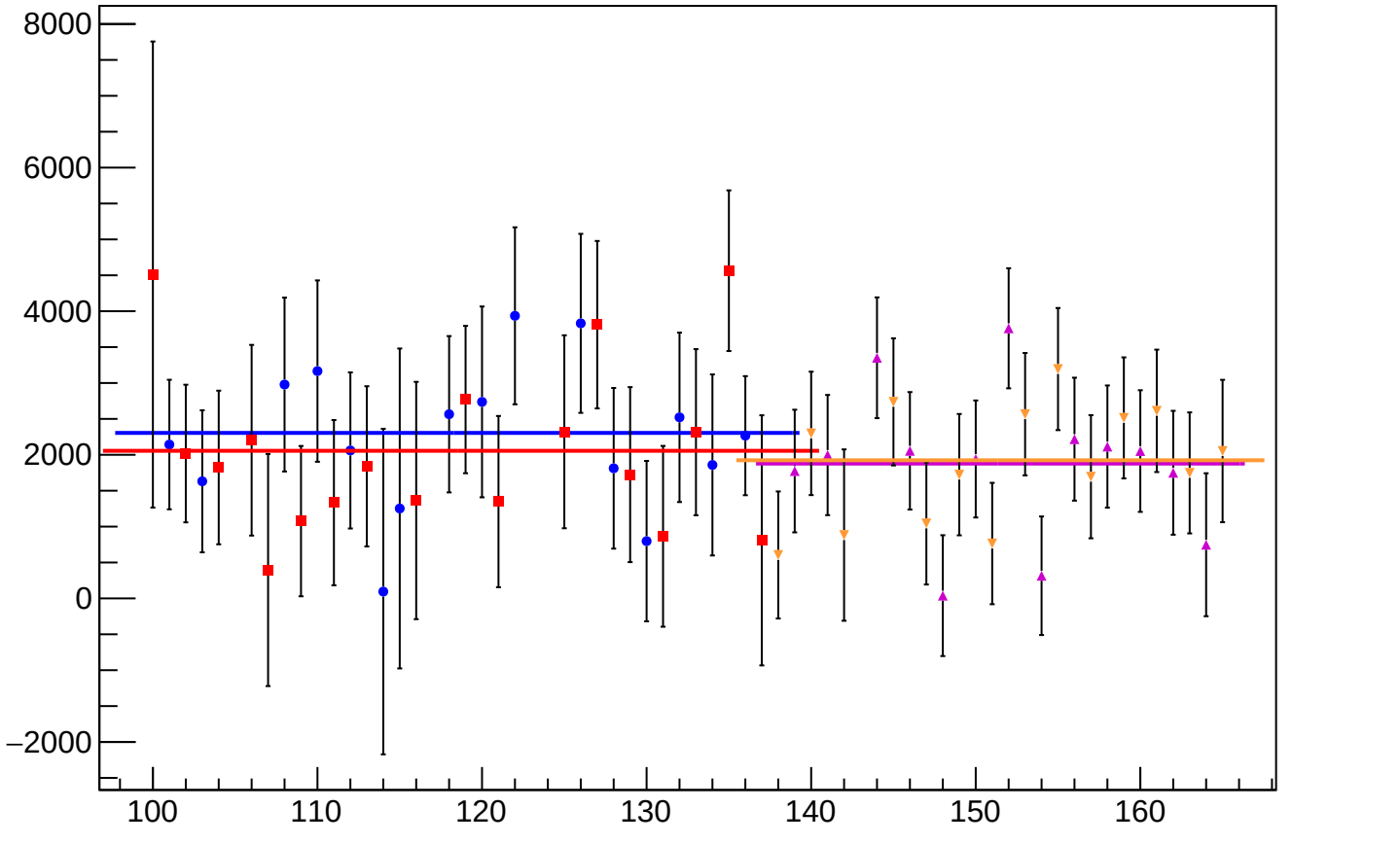
Left: 1337.393+/-0.206 χ^2/NDF: 1451455.4/26

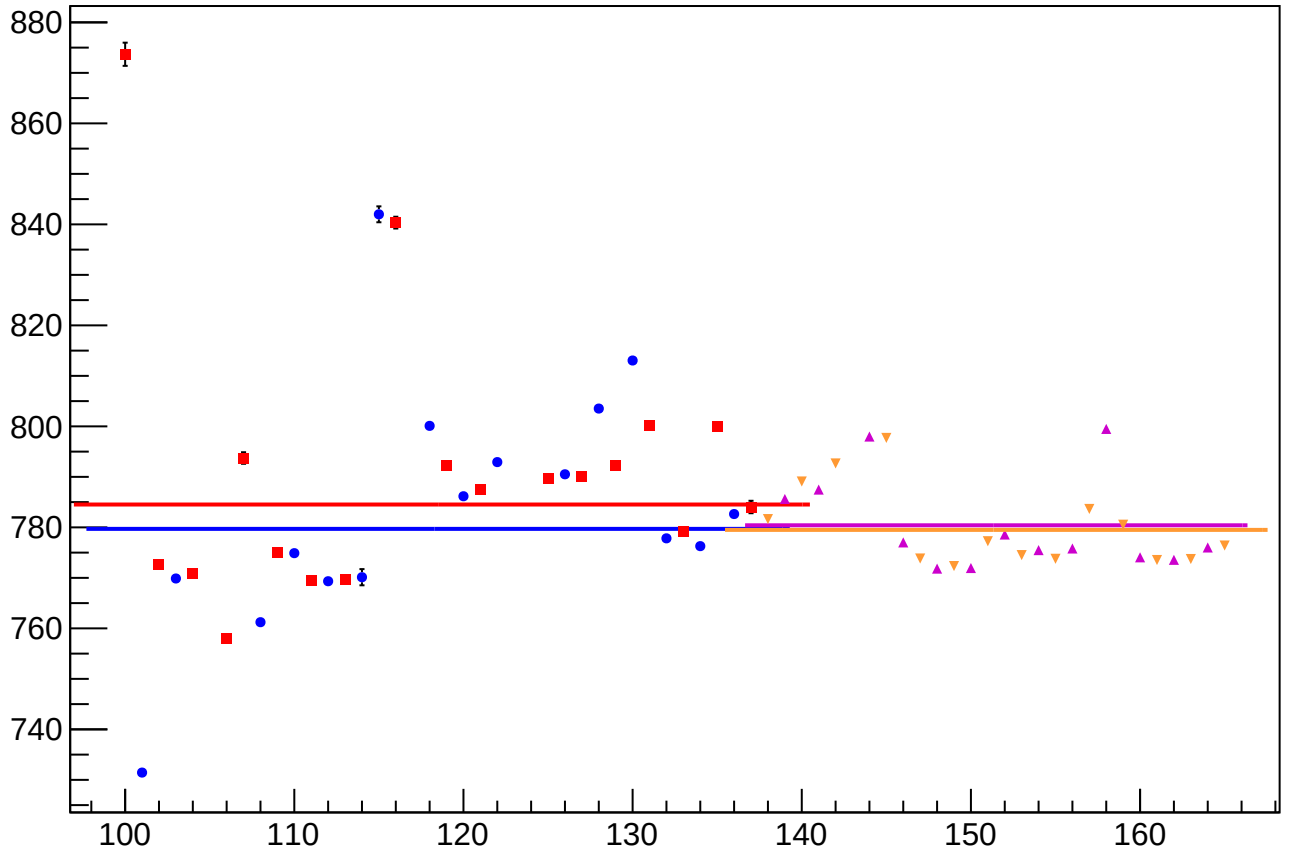
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1254.063+/-0.213 χ^2/NDF:1486710.4/28

Out: 1279.445+/-0.216 χ^2/NDF:1195717.8/31

All: 1266.590+/-0.152 χ^2/NDF: 2689427.0/60


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1923.812+/-234.908 χ²/NDF:11.1/13
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 1877.730+/-235.632 χ²/NDF:18.2/12
Left: 1900.842+/-166.360 χ²/NDF: 29.3/26
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2047.789+/-182.801 χ²/NDF:27.6/28
Out: 1976.249+/-182.308 χ²/NDF:24.1/31
All: 2011.923+/-129.085 χ²/NDF: 51.7/60



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

Left Out: 779.500+/-0.166 χ^2/NDF:2017.4/13

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

Left In: 780.411+/-0.167 χ^2/NDF:2968.6/12

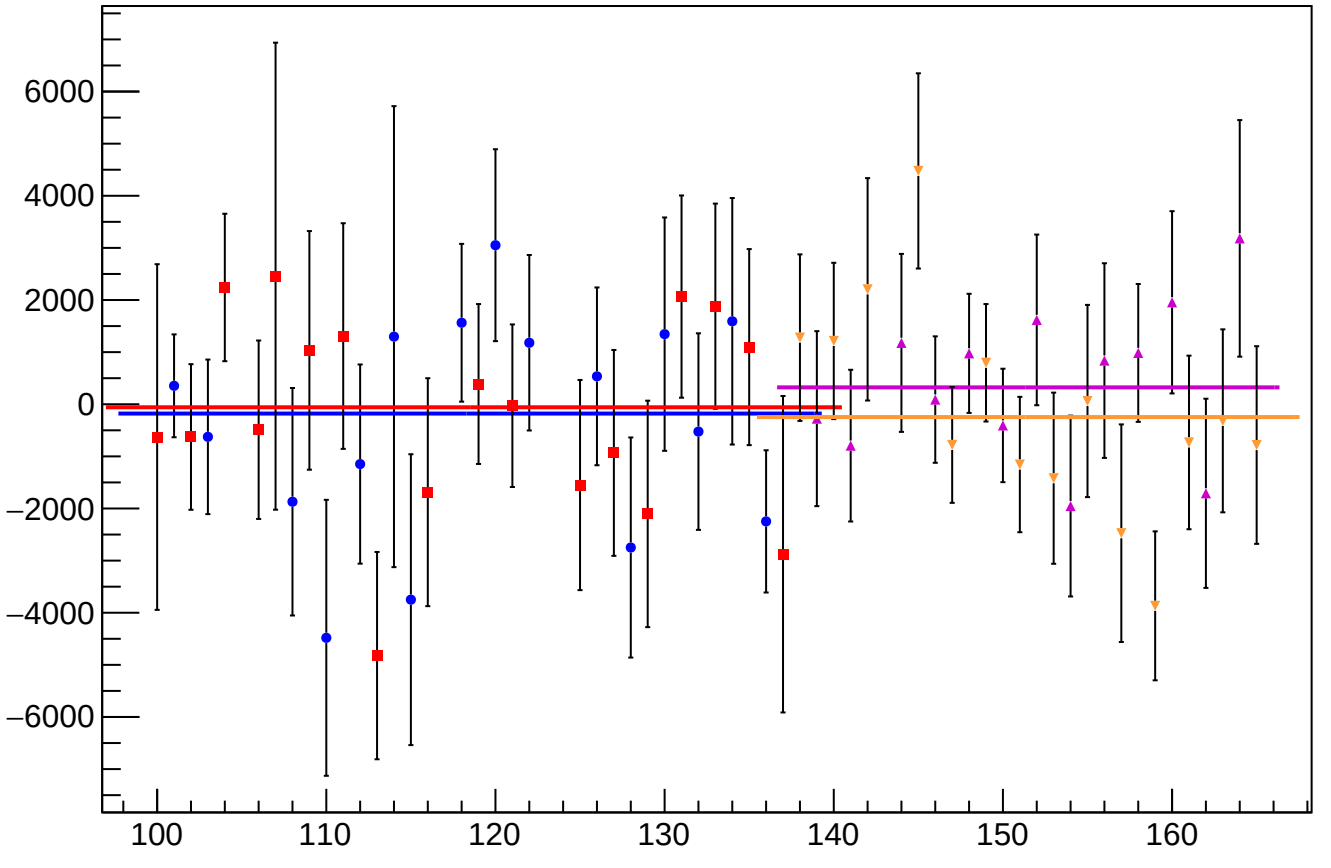
Left: 779.954+/-0.118 χ^2/NDF: 5001.1/26

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

In: 780.129+/-0.129 χ^2/NDF:15036.1/28

Out: 781.498+/-0.129 χ^2/NDF:9541.4/31

All: 780.815+/-0.091 χ^2/NDF: 24633.7/60



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

Left Out: -245.603+/-412.445 χ^2/NDF:19.4/13

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

Left In: 323.953+/-413.533 χ^2/NDF:8.2/12

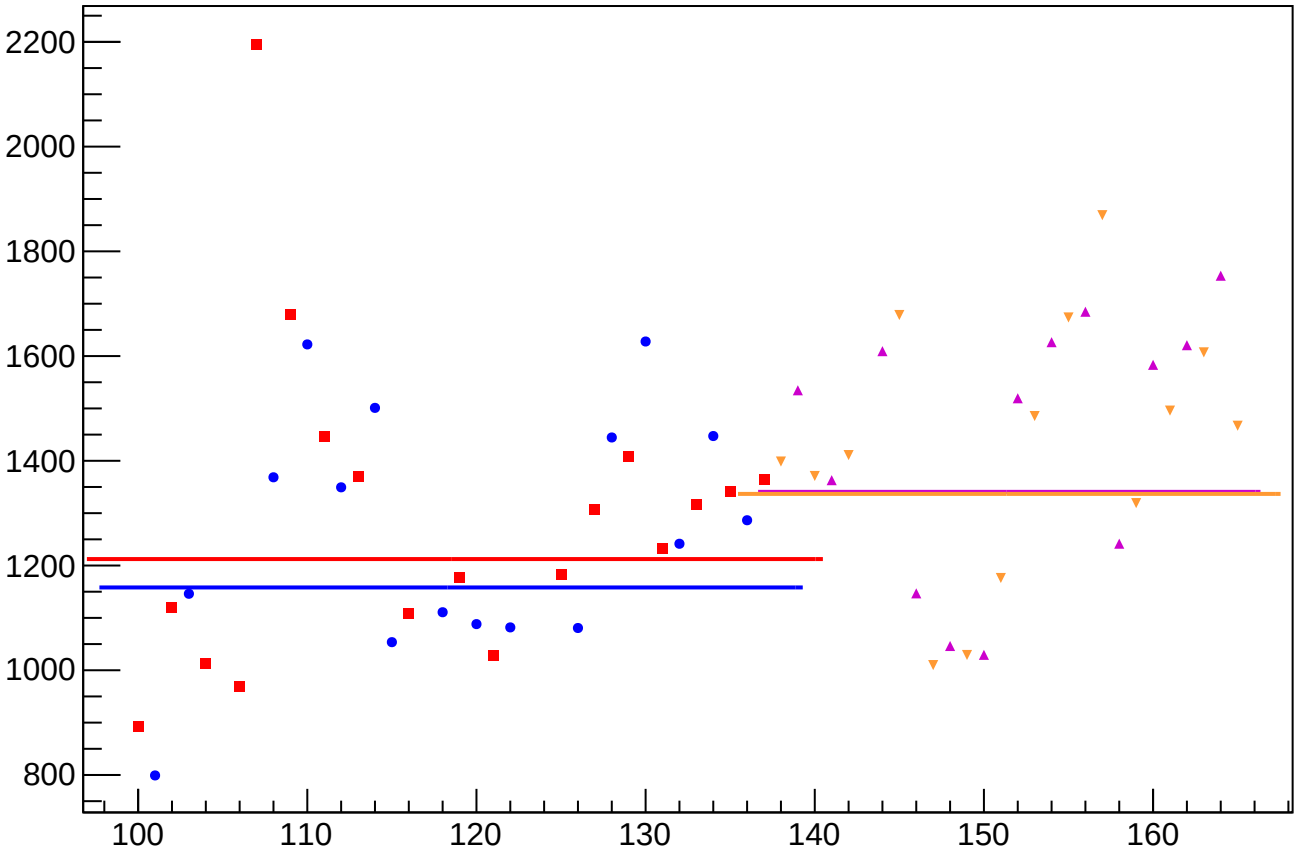
Left: 38.425+/-292.026 χ^2/NDF: 28.5/26

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

In: 89.004+/-301.725 χ^2/NDF:24.6/28

Out: -161.045+/-305.648 χ^2/NDF:34.7/31

All: -34.406+/-214.725 χ^2/NDF: 59.6/60



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

Left Out: 1336.779+/-0.292 χ^2/NDF:714288.8/13

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

Left In: 1340.686+/-0.292 χ^2/NDF:733479.5/12

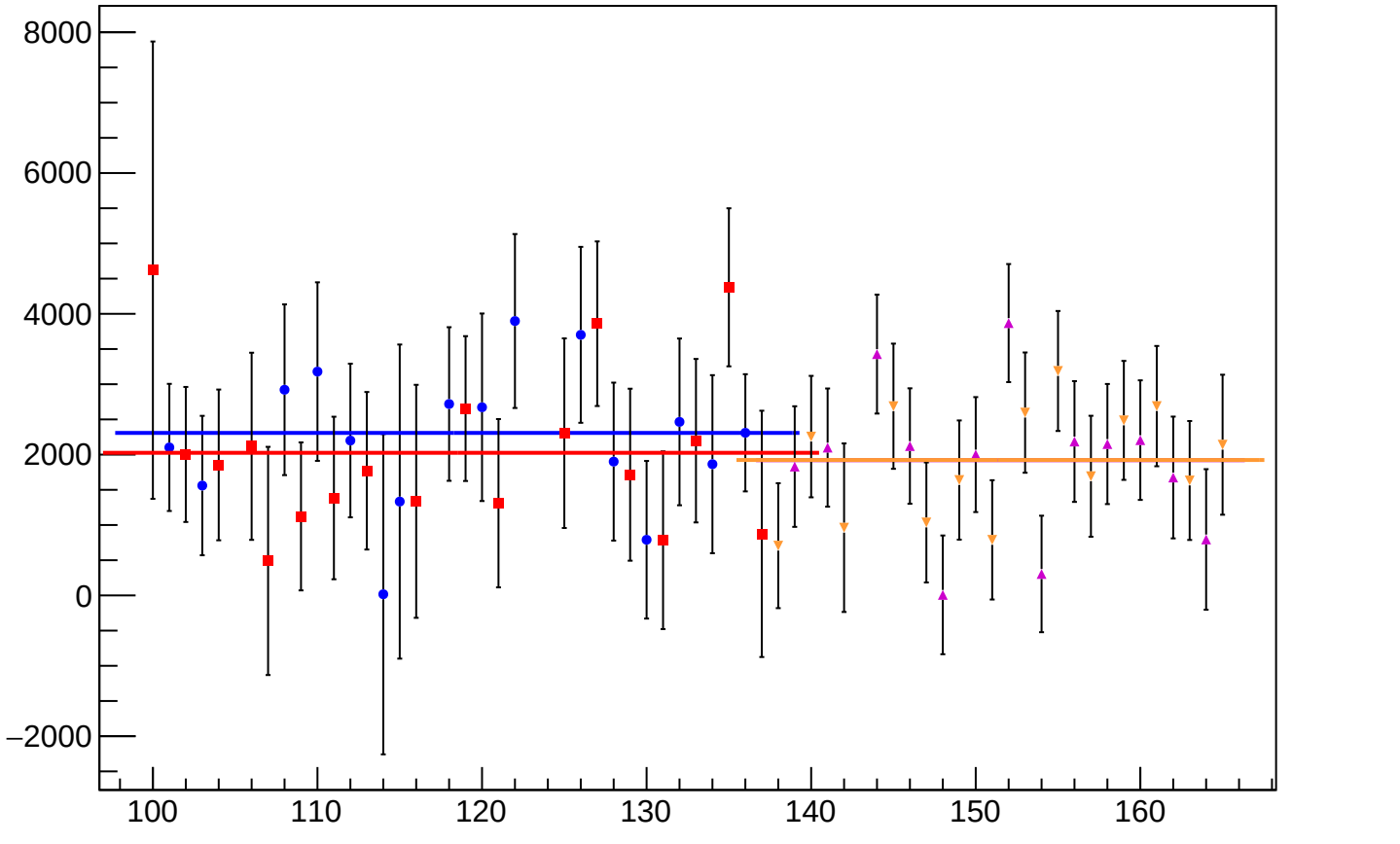
Left: 1338.728+/-0.206 χ^2/NDF: 1447857.7/26

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

In: 1255.316+/-0.213 χ^2/NDF:1484888.6/28

Out: 1280.682+/-0.216 χ^2/NDF:1194295.4/31

All: 1267.835+/-0.152 χ^2/NDF: 2686160.3/60



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

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

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

Left In: 1920.557+/-236.251 χ^2/NDF:19.3/12

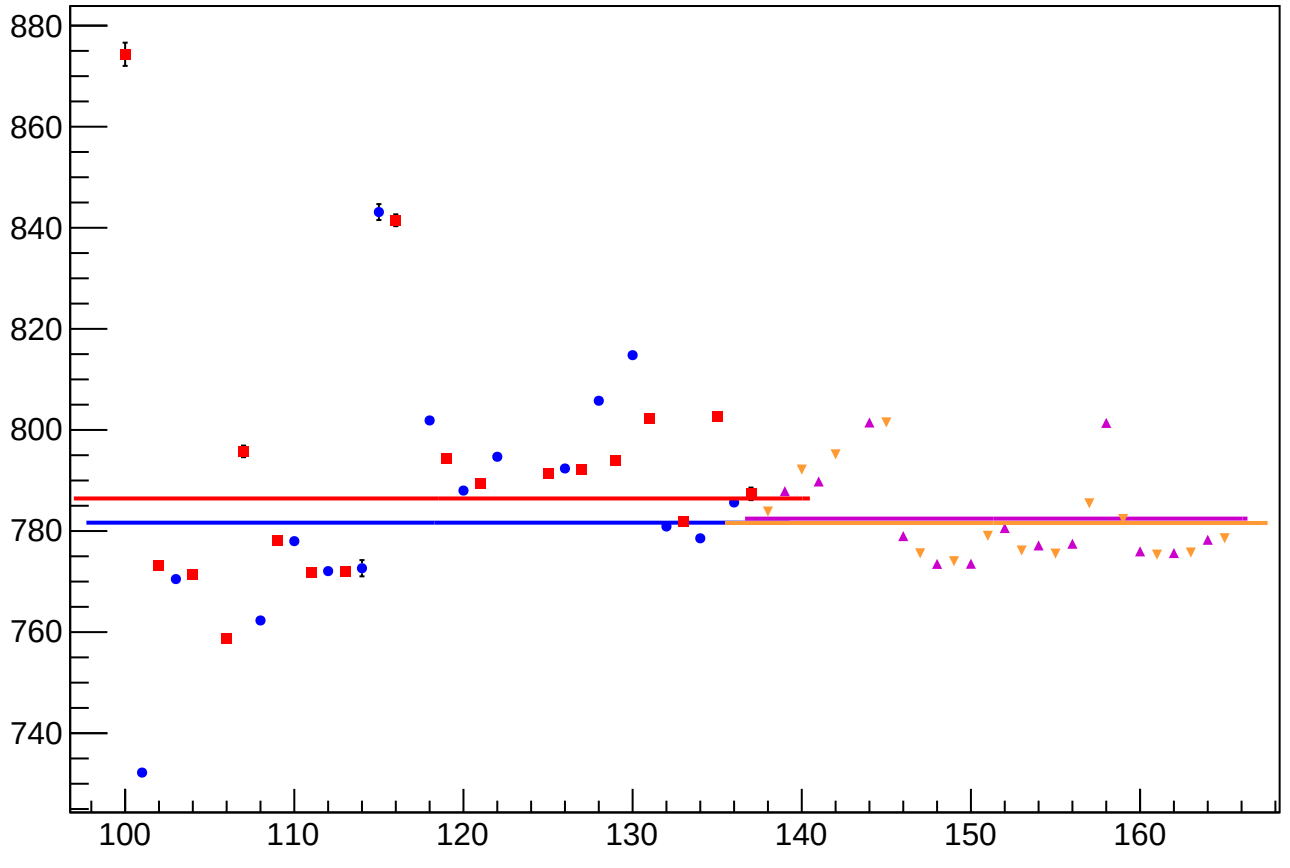
Left: 1921.956+/-166.804 χ^2/NDF: 30.0/26

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

In: 2074.901+/-183.273 χ^2/NDF:28.2/28

Out: 1964.036+/-182.783 χ^2/NDF:22.7/31

All: 2019.320+/-129.420 χ^2/NDF: 51.1/60



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

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

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

Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

Left: 782.027+/-0.118 χ^2/NDF: 5476.7/26

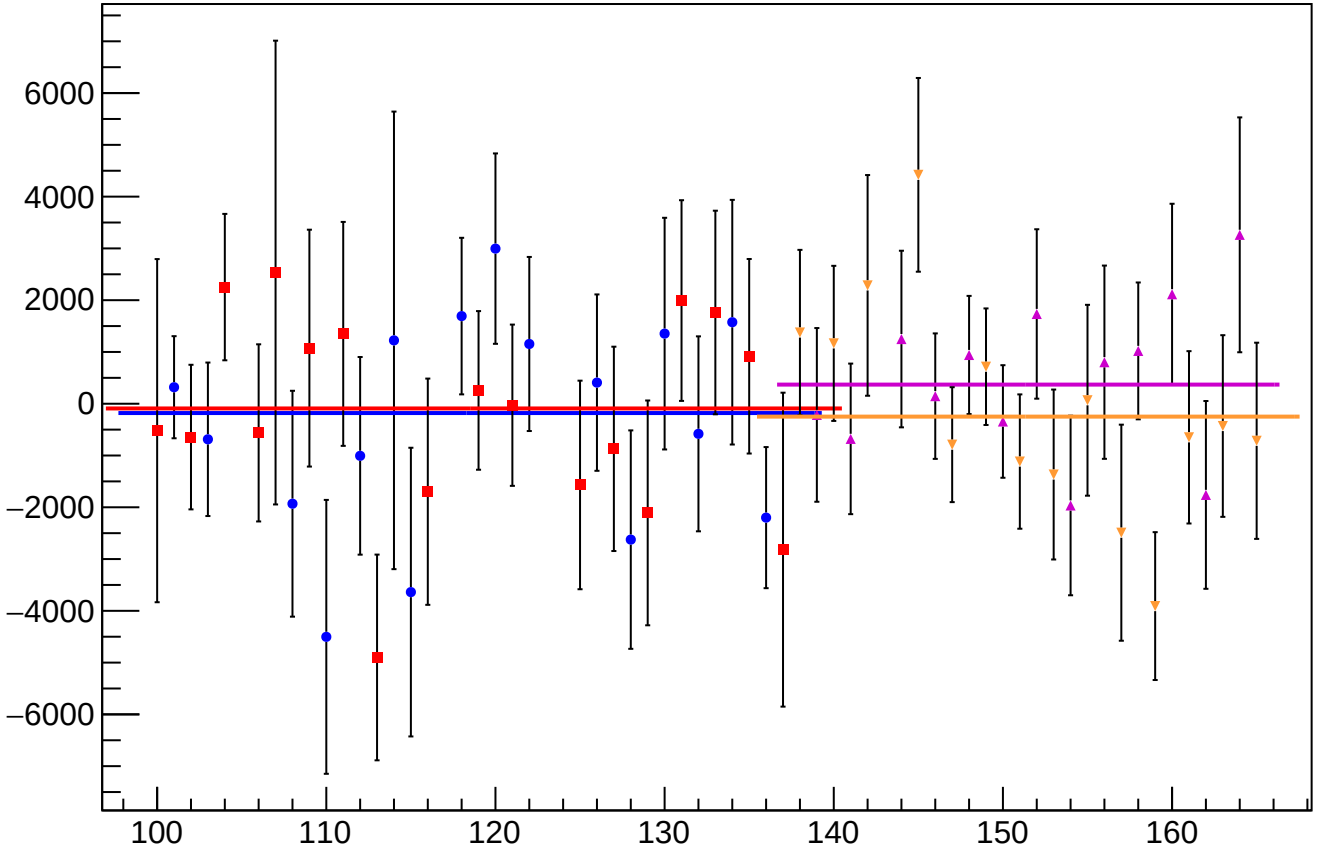
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.138+/-0.130 χ^2/NDF:15496.6/28

Out: 783.525+/-0.129 χ^2/NDF:9833.4/31

All: 782.834+/-0.092 χ^2/NDF: 25387.4/60

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

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

Left In: 369.501+/-413.153 χ^2/NDF:8.4/12

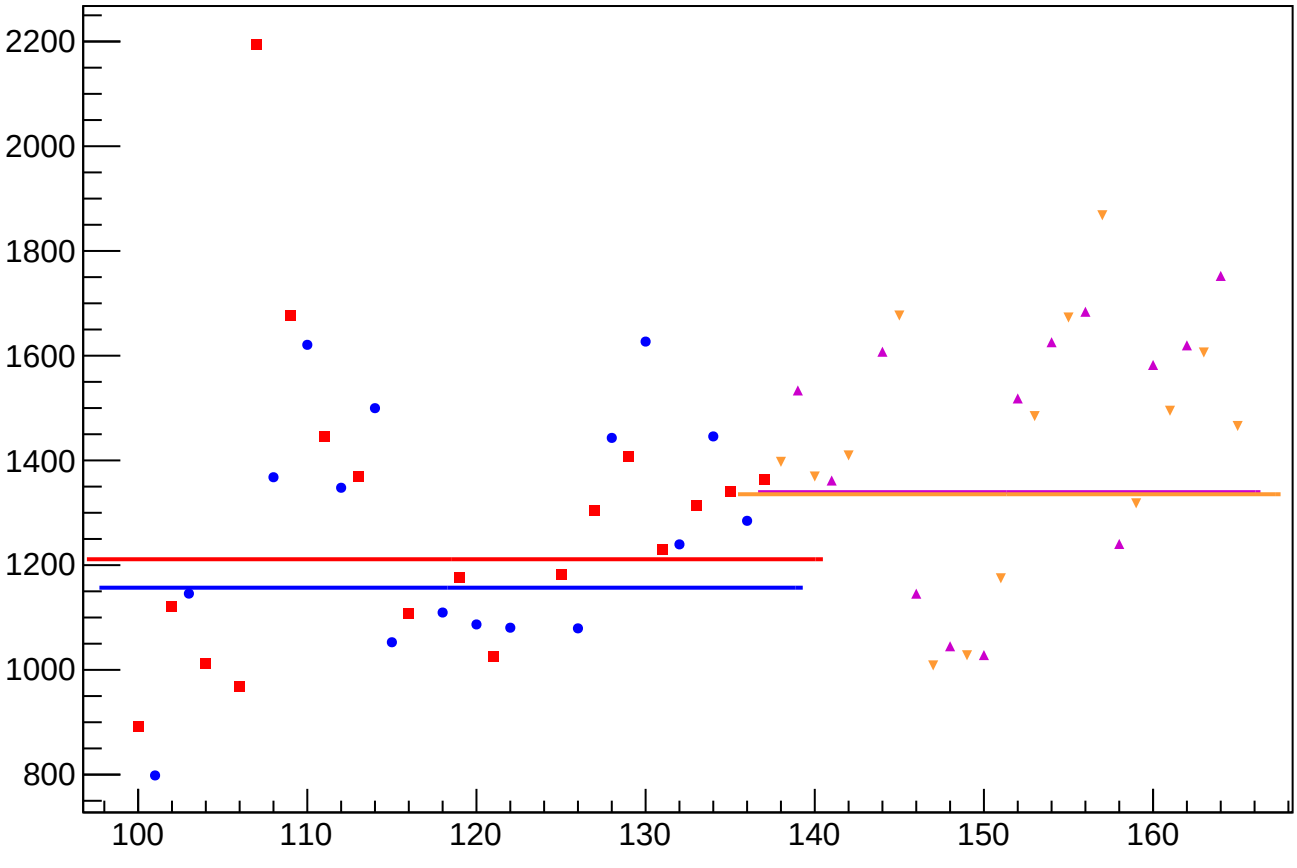
Left: 59.455+/-291.751 χ^2/NDF: 28.9/26

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

In: 112.538+/-301.434 χ^2/NDF:24.6/28

Out: -177.868+/-305.363 χ^2/NDF:34.6/31

All: -30.785+/-214.522 χ^2/NDF: 59.7/60



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

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

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

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

Left: 1337.393+/-0.206 χ^2/NDF: 1451455.4/26

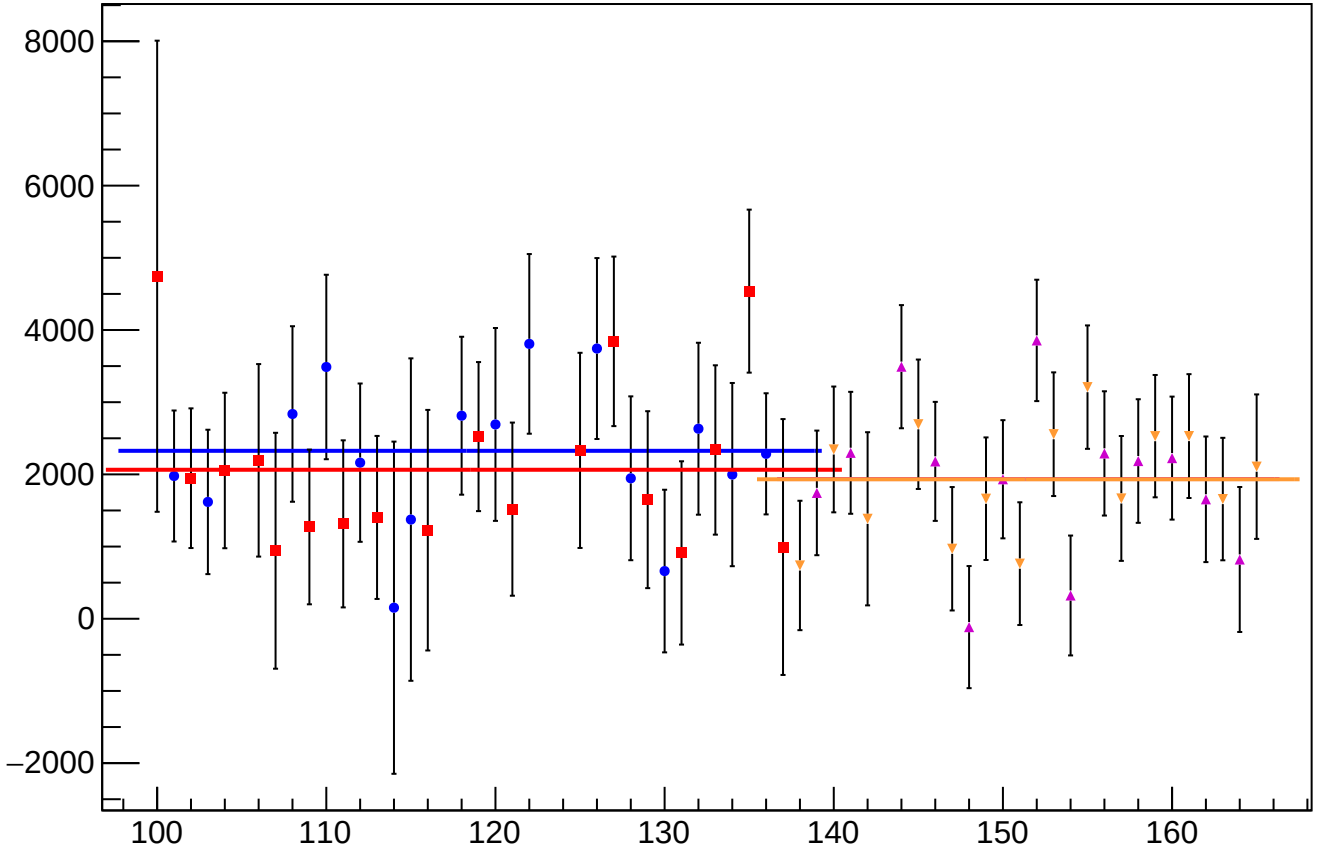
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1254.063+/-0.213 χ^2/NDF:1486710.4/28

Out: 1279.445+/-0.216 χ^2/NDF:1195717.8/31

All: 1266.590+/-0.152 χ^2/NDF: 2689427.0/60

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1932.133+/-236.700 χ^2/NDF:10.2/13

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

Left In: 1935.390+/-237.353 χ^2/NDF:20.2/12

Left: 1933.757+/-167.603 χ^2/NDF: 30.4/26

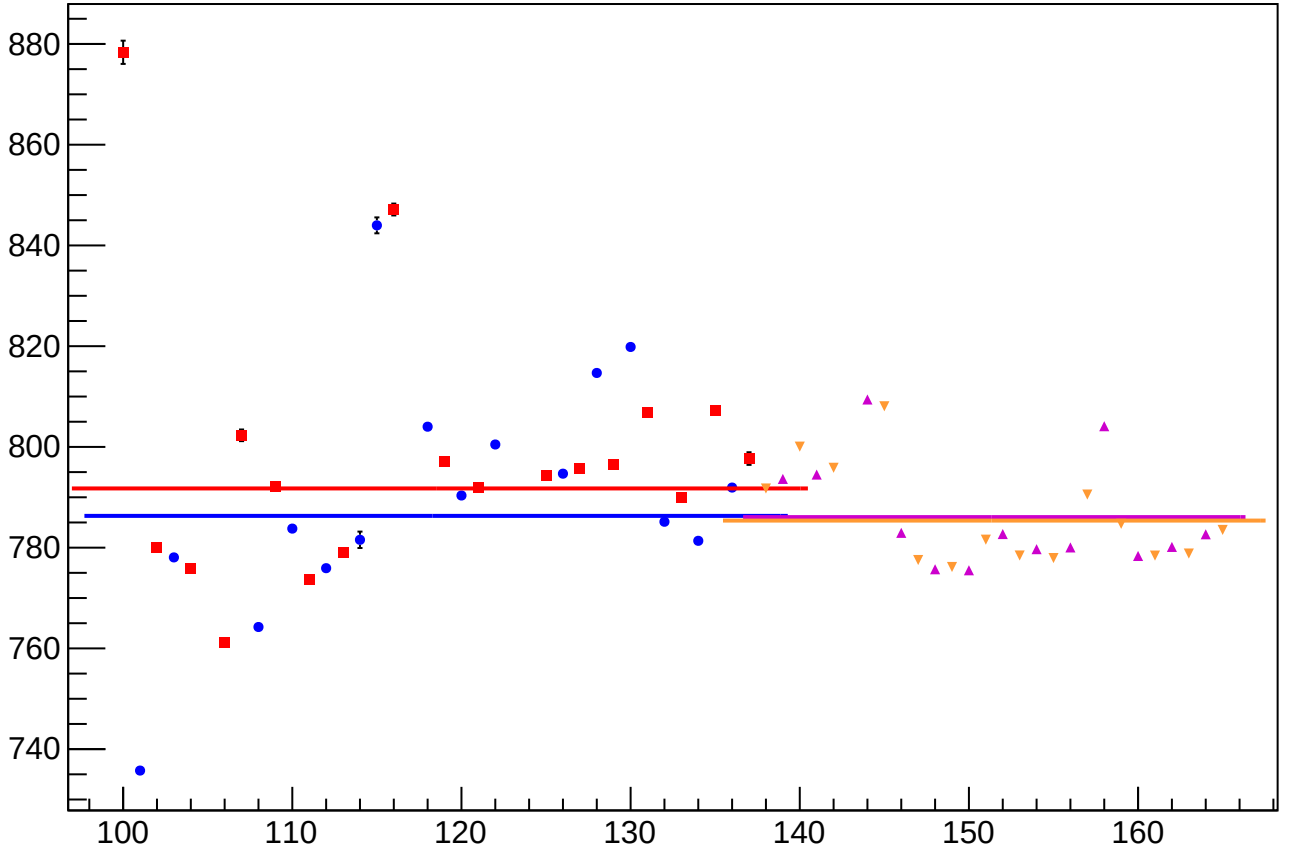
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2090.855+/-184.225 χ^2/NDF:29.5/28

Out: 1984.459+/-183.823 χ^2/NDF:21.9/31

All: 2037.541+/-130.125 χ^2/NDF: 51.5/60

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 785.377+/-0.167 χ^2/NDF:3157.6/13

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

Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

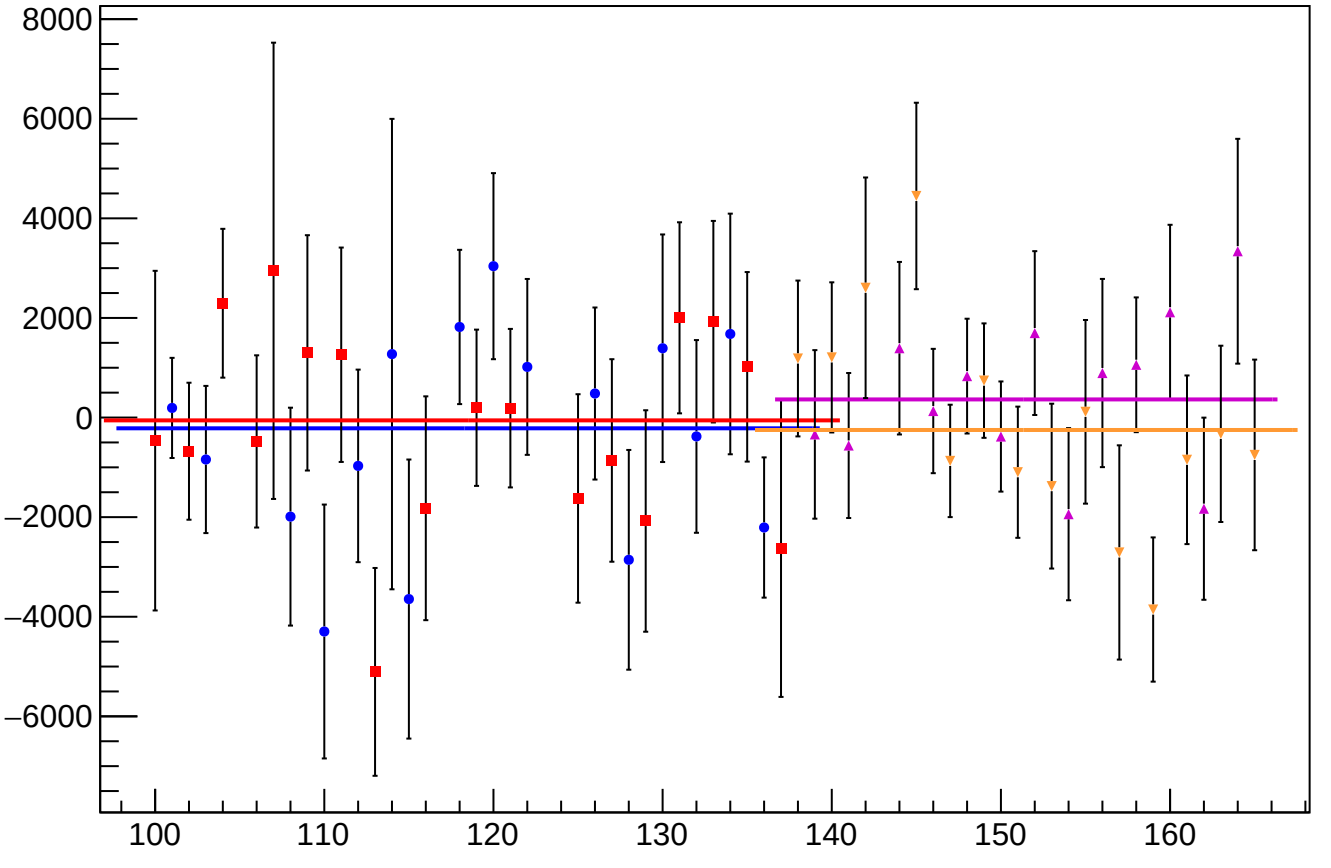
Left: 785.720+/-0.119 χ^2/NDF: 7095.7/26

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

In: 786.163+/-0.130 χ^2/NDF:16501.5/28

Out: 787.909+/-0.130 χ^2/NDF:10749.3/31

All: 787.038+/-0.092 χ^2/NDF: 27340.8/60



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

Left Out: -249.751+/-417.023 χ^2/NDF:19.4/13

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

Left In: 363.760+/-418.257 χ^2/NDF:8.5/12

Left: 56.098+/-295.315 χ^2/NDF: 29.0/26

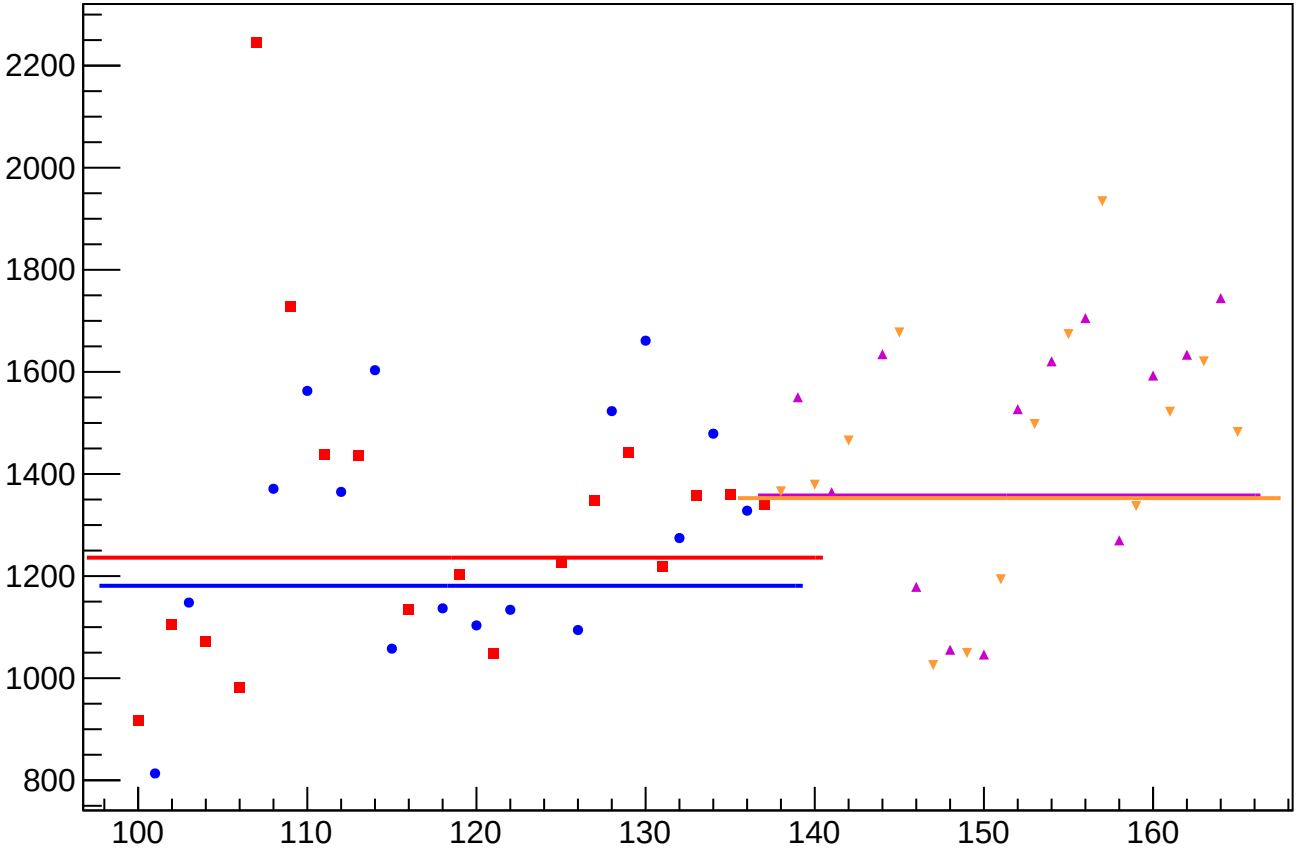
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 94.665+/-306.214 χ^2/NDF:24.7/28

Out: -163.523+/-310.156 χ^2/NDF:34.6/31

All: -32.778+/-217.906 χ^2/NDF: 59.7/60

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1352.705+/-0.295 χ^2/NDF:700110.9/13

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

Left In: 1357.903+/-0.296 χ^2/NDF:697735.6/12

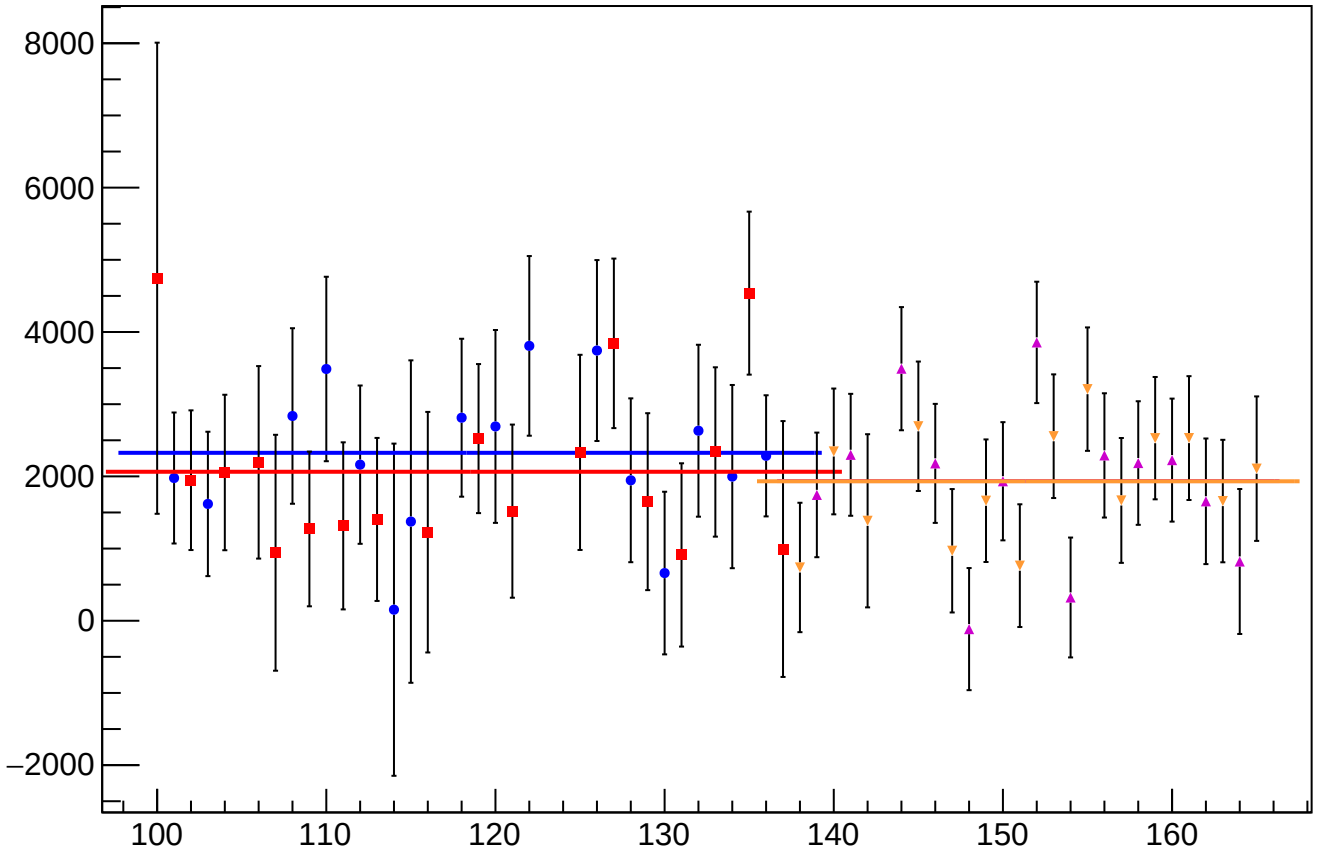
Left: 1355.296+/-0.209 χ^2/NDF: 1398001.4/26

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

In: 1275.819+/-0.217 χ^2/NDF:1434856.7/28

Out: 1300.615+/-0.219 χ^2/NDF:1167184.9/31

All: 1288.058+/-0.154 χ^2/NDF: 2608515.1/60



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

Left Out: 1932.130+/-236.700 χ^2/NDF:10.2/13

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

Left In: 1935.391+/-237.353 χ^2/NDF:20.2/12

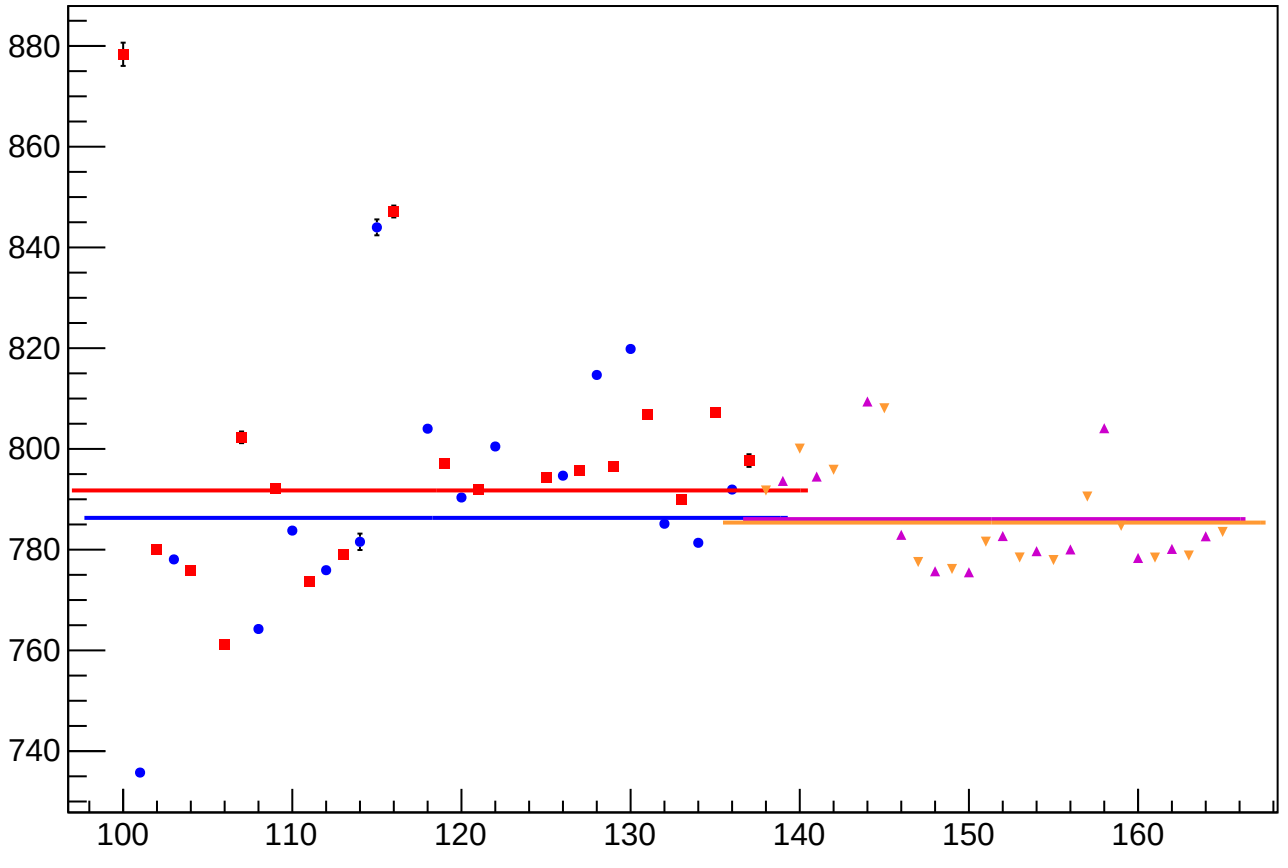
Left: 1933.756+/-167.603 χ^2/NDF: 30.4/26

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

In: 2090.855+/-184.225 χ^2/NDF:29.5/28

Out: 1984.456+/-183.823 χ^2/NDF:21.9/31

All: 2037.540+/-130.125 χ^2/NDF: 51.5/60



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

Left Out: 785.377+/-0.167 χ^2/NDF:3157.6/13

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

Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

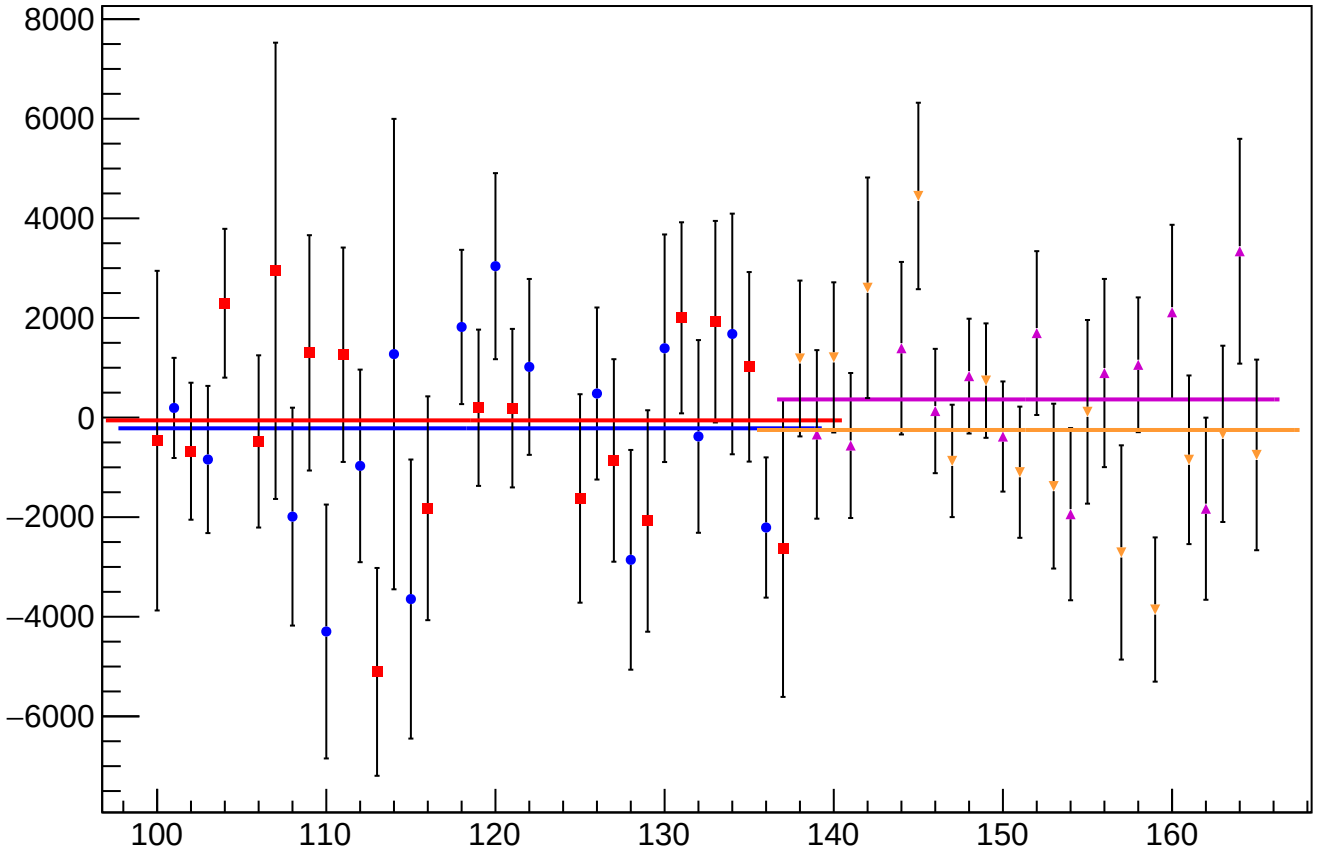
Left: 785.720+/-0.119 χ^2/NDF: 7095.7/26

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

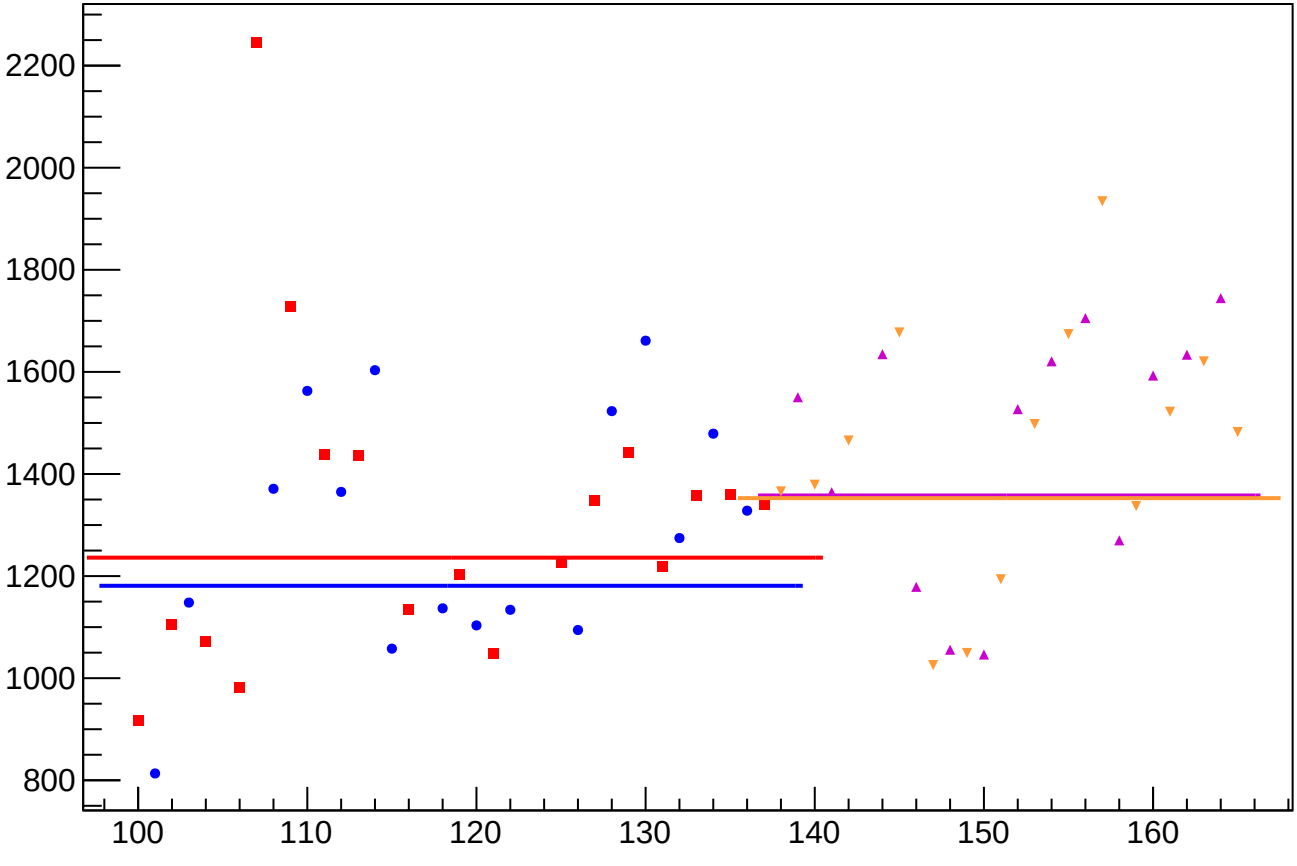
In: 786.163+/-0.130 χ^2/NDF:16501.5/28

Out: 787.909+/-0.130 χ^2/NDF:10749.2/31

All: 787.038+/-0.092 χ^2/NDF: 27340.7/60


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -216.183+/-449.536 χ²/NDF: 15.3/15
Left Out: -249.755+/-417.024 χ²/NDF:19.4/13
Right Out: -56.784+/-463.977 χ²/NDF: 15.1/17
Left In: 363.762+/-418.258 χ²/NDF:8.5/12
Left: 56.097+/-295.316 χ²/NDF: 29.0/26
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 94.665+/-306.214 χ²/NDF:24.7/28
Out: -163.525+/-310.156 χ²/NDF:34.6/31
All: -32.779+/-217.906 χ²/NDF: 59.7/60

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: 1352.707+/-0.295 χ^2/NDF:700113.1/13

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

Left In: 1357.905+/-0.296 χ^2/NDF:697736.6/12

Left: 1355.299+/-0.209 χ^2/NDF: 1398004.6/26

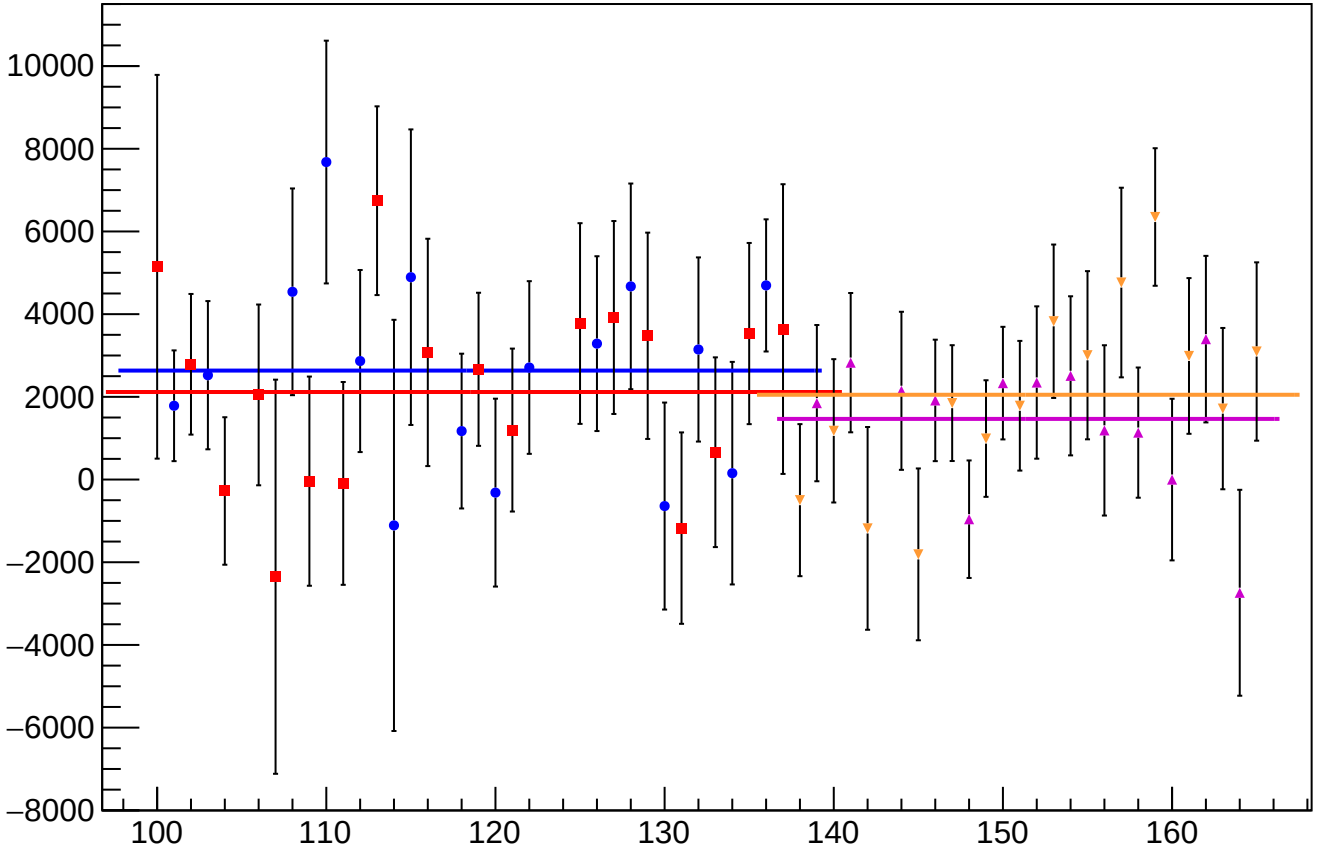
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1275.818+/-0.217 χ^2/NDF:1434866.2/28

Out: 1300.615+/-0.219 χ^2/NDF:1167192.8/31

All: 1288.058+/-0.154 χ^2/NDF: 2608532.4/60

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 2050.362+/-482.826 χ^2/NDF:17.7/13

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

Left In: 1466.491+/-483.488 χ^2/NDF:9.1/12

Left: 1758.826+/-341.643 χ^2/NDF: 27.6/26

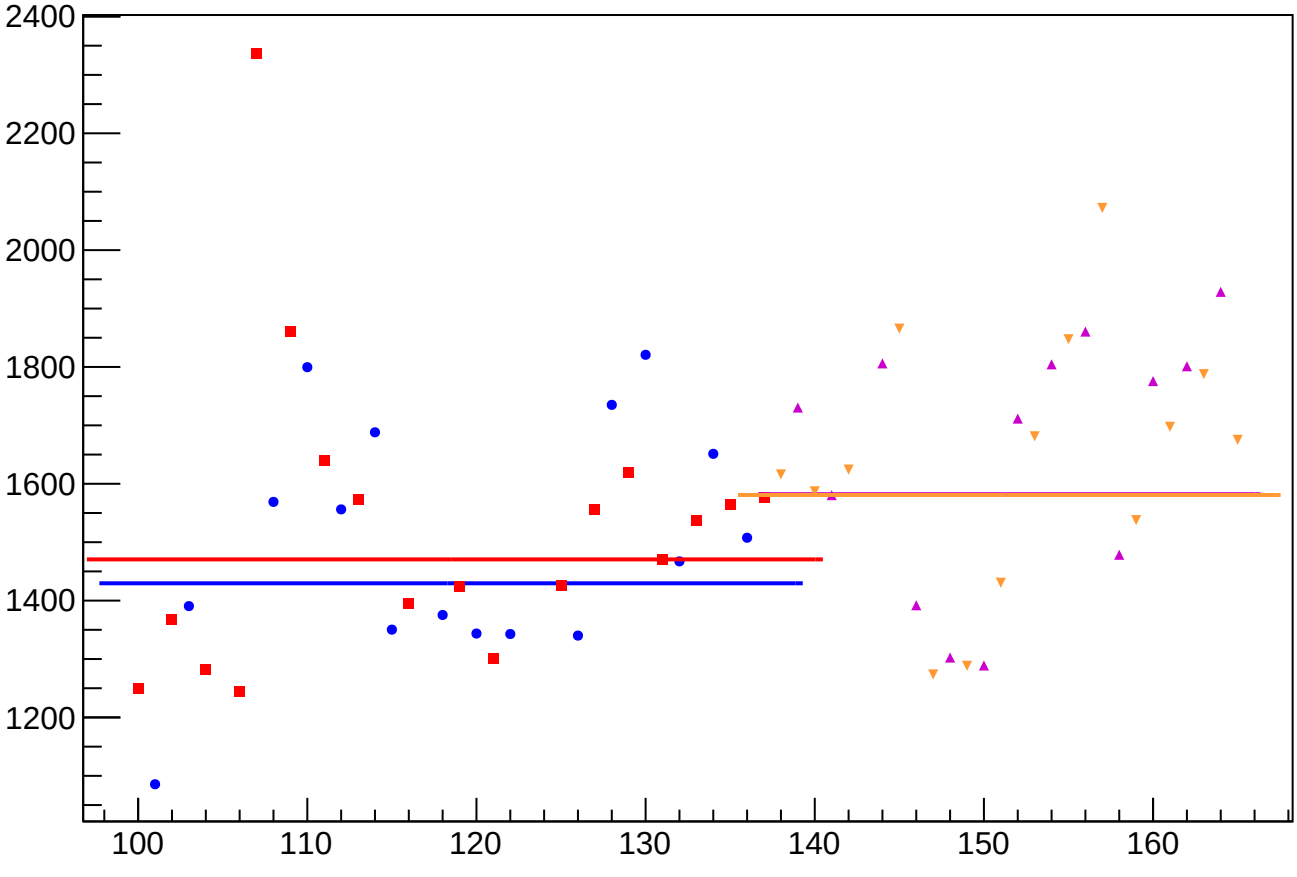
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1988.705+/-359.620 χ^2/NDF:24.0/28

Out: 2079.587+/-362.123 χ^2/NDF:31.4/31

All: 2033.831+/-255.170 χ^2/NDF: 55.5/60

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1580.830+/-0.341 χ^2/NDF:407045.8/13

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

Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

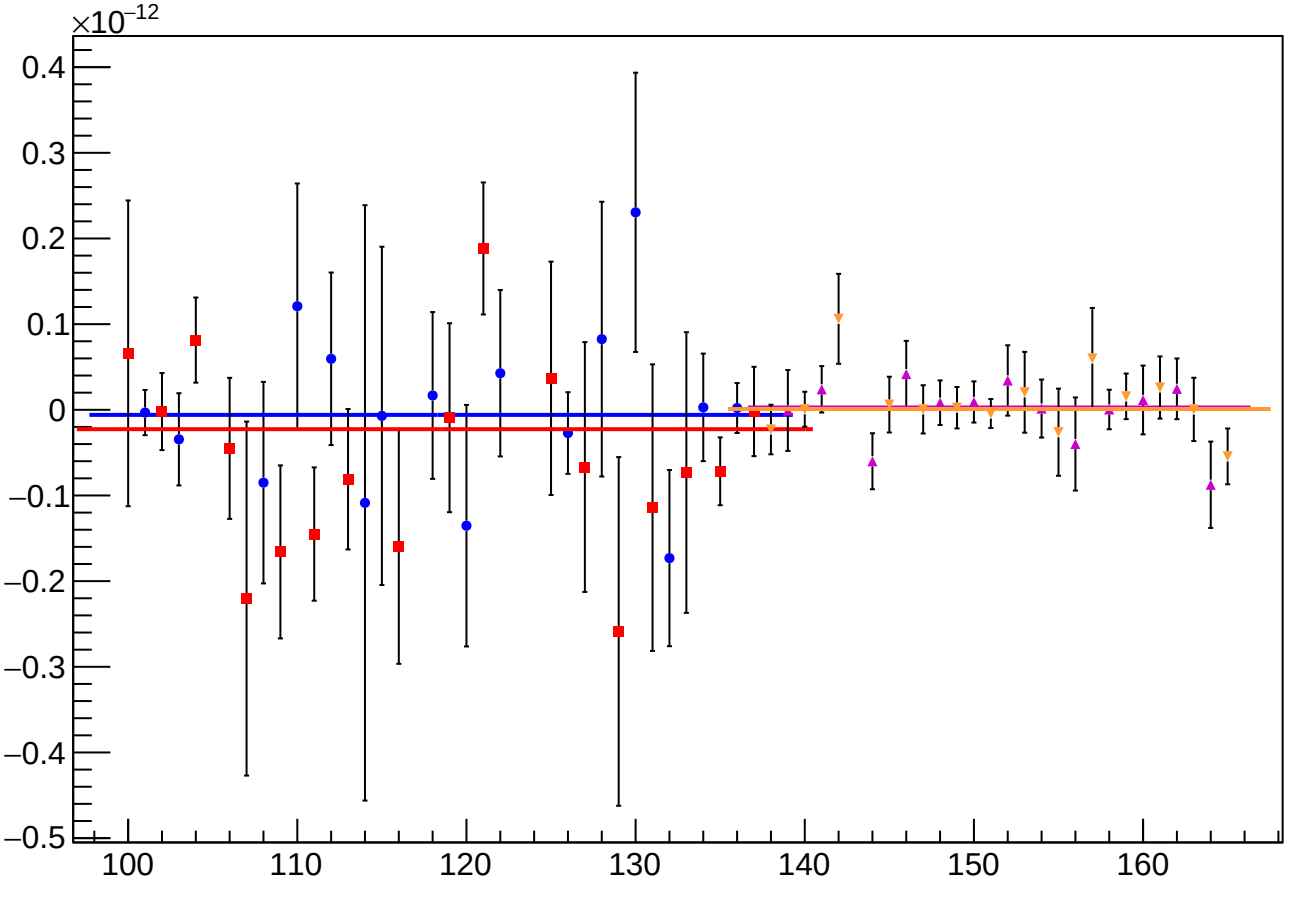
Left: 1581.520+/-0.242 χ^2/NDF: 814354.2/26

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

In: 1514.055+/-0.254 χ^2/NDF:789648.3/28

Out: 1532.590+/-0.256 χ^2/NDF:670747.7/31

All: 1523.258+/-0.180 χ^2/NDF: 1463033.9/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/13

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

Left In: 0.000+/-0.000 χ^2/NDF:10.3/12

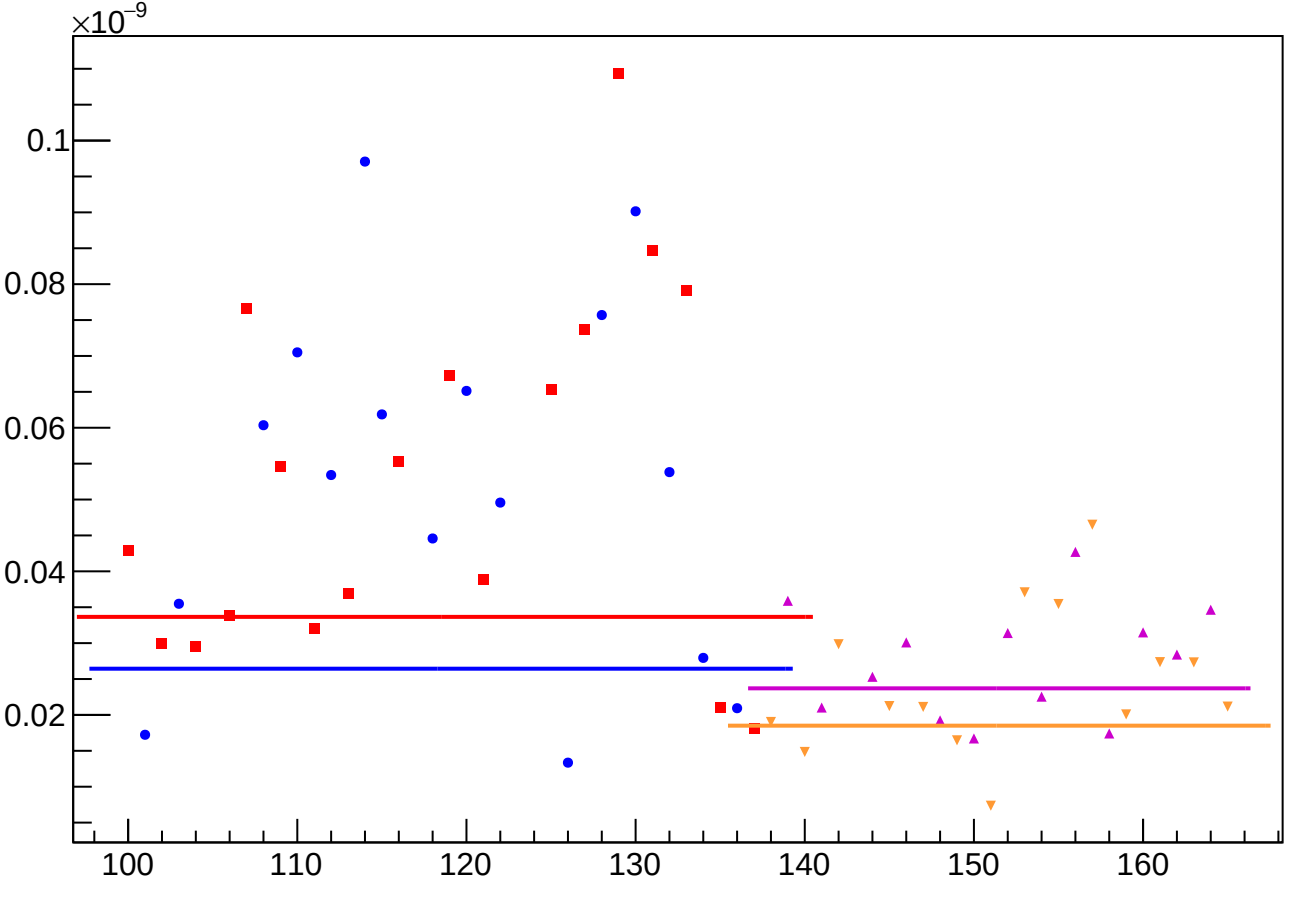
Left: 0.000+/-0.000 χ^2/NDF: 20.3/26

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

In: 0.000+/-0.000 χ^2/NDF:19.1/28

Out: -0.000+/-0.000 χ^2/NDF:34.4/31

All: -0.000+/-0.000 χ^2/NDF: 53.6/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:2311230.0/13

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

Left In: 0.000+/-0.000 χ^2/NDF:1111168.9/12

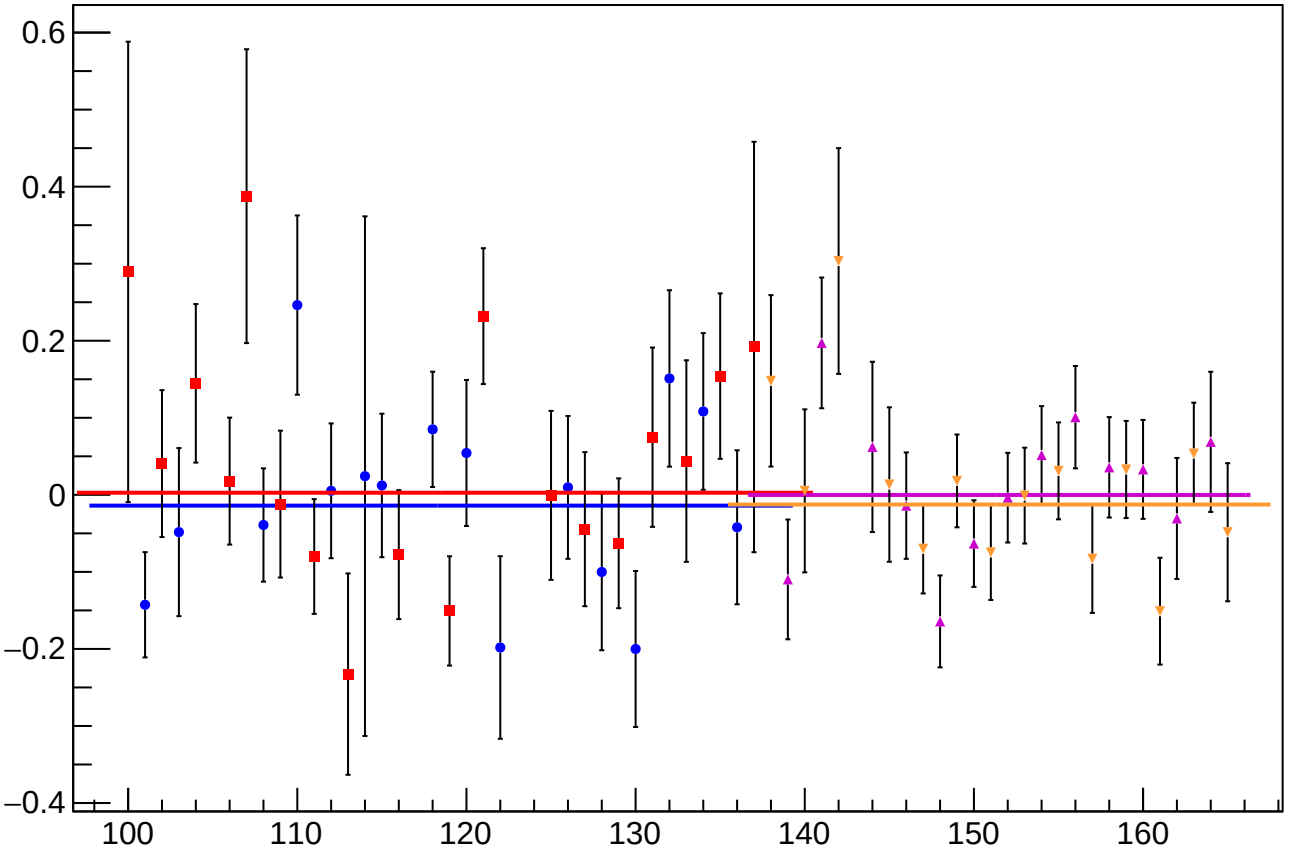
Left: 0.000+/-0.000 χ^2/NDF: 3798636.9/26

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

In: 0.000+/-0.000 χ^2/NDF:3297480.6/28

Out: 0.000+/-0.000 χ^2/NDF:5194148.0/31

All: 0.000+/-0.000 χ^2/NDF: 8716971.8/60



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

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

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

Left In: -0.000+/-0.019 χ^2/NDF:20.9/12

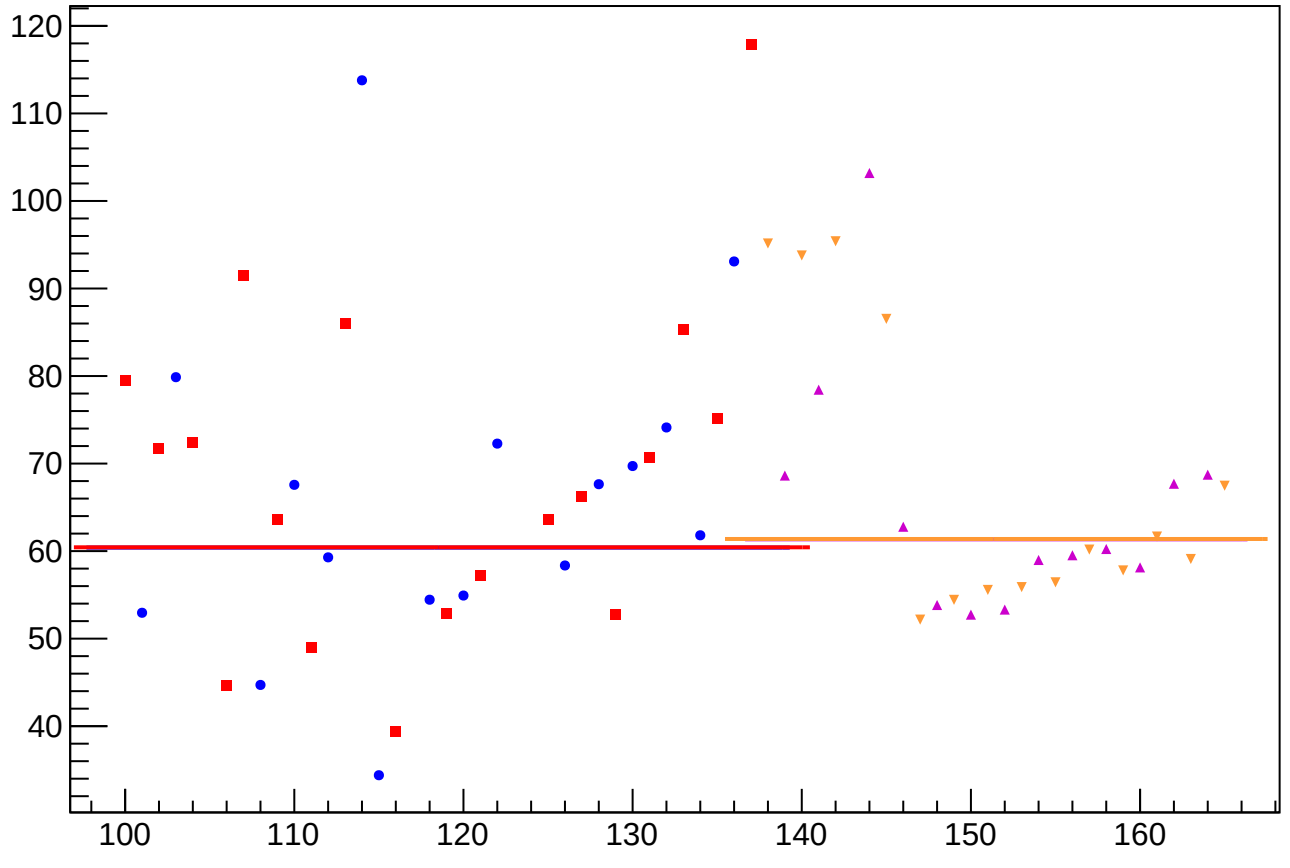
Left: -0.006+/-0.014 χ^2/NDF: 37.3/26

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

In: -0.006+/-0.015 χ^2/NDF:42.4/28

Out: -0.006+/-0.015 χ^2/NDF:44.3/31

All: -0.006+/-0.011 χ^2/NDF: 86.7/60



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

Left Out: 61.385+/-0.014 χ^2/NDF:746714.1/13

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

Left In: 61.345+/-0.014 χ^2/NDF:539003.1/12

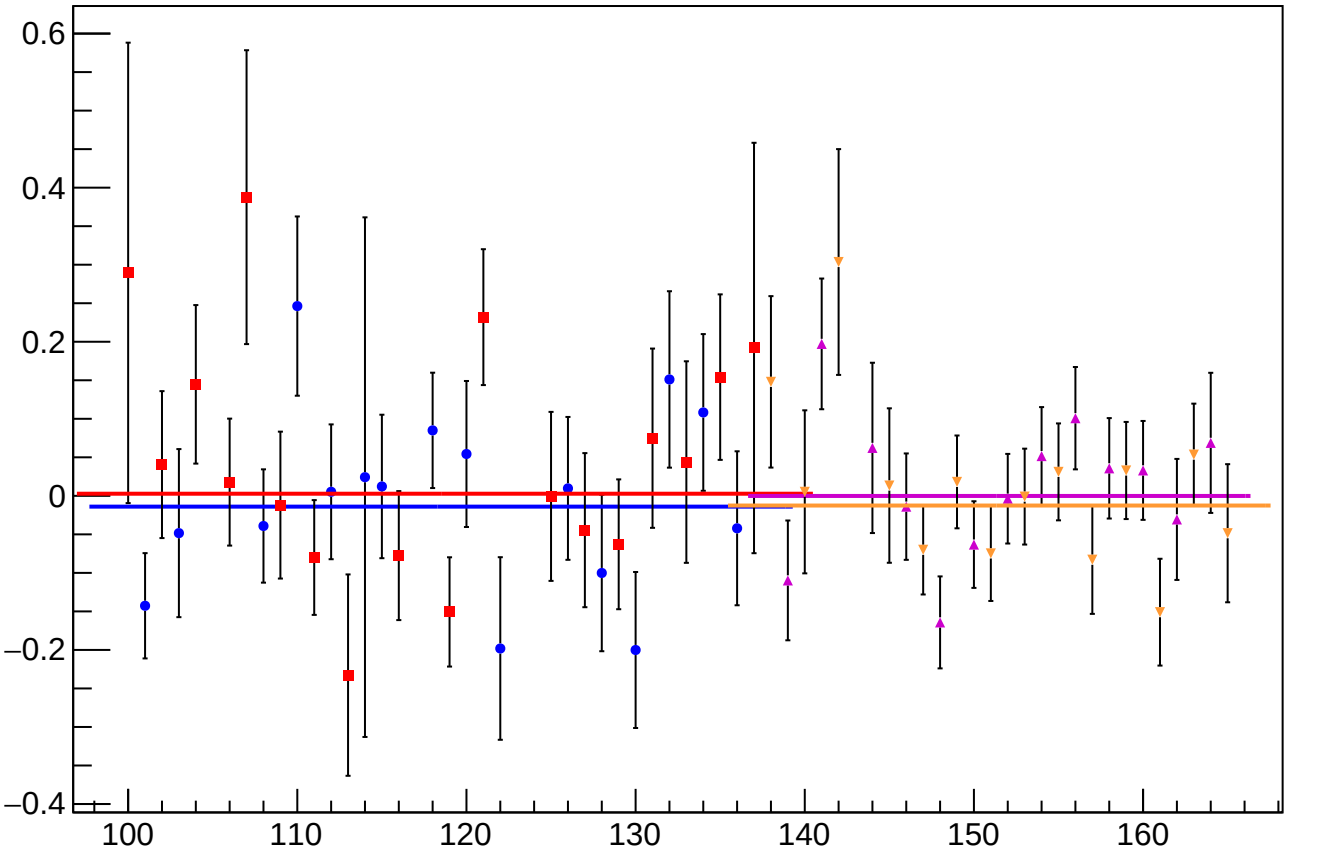
Left: 61.365+/-0.010 χ^2/NDF: 1285721.6/26

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

In: 60.974+/-0.011 χ^2/NDF:1244068.7/28

Out: 61.007+/-0.011 χ^2/NDF:1459732.3/31

All: 60.991+/-0.007 χ^2/NDF: 2703805.8/60



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

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

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

Left In: -0.000+/-0.019 χ^2/NDF:20.9/12

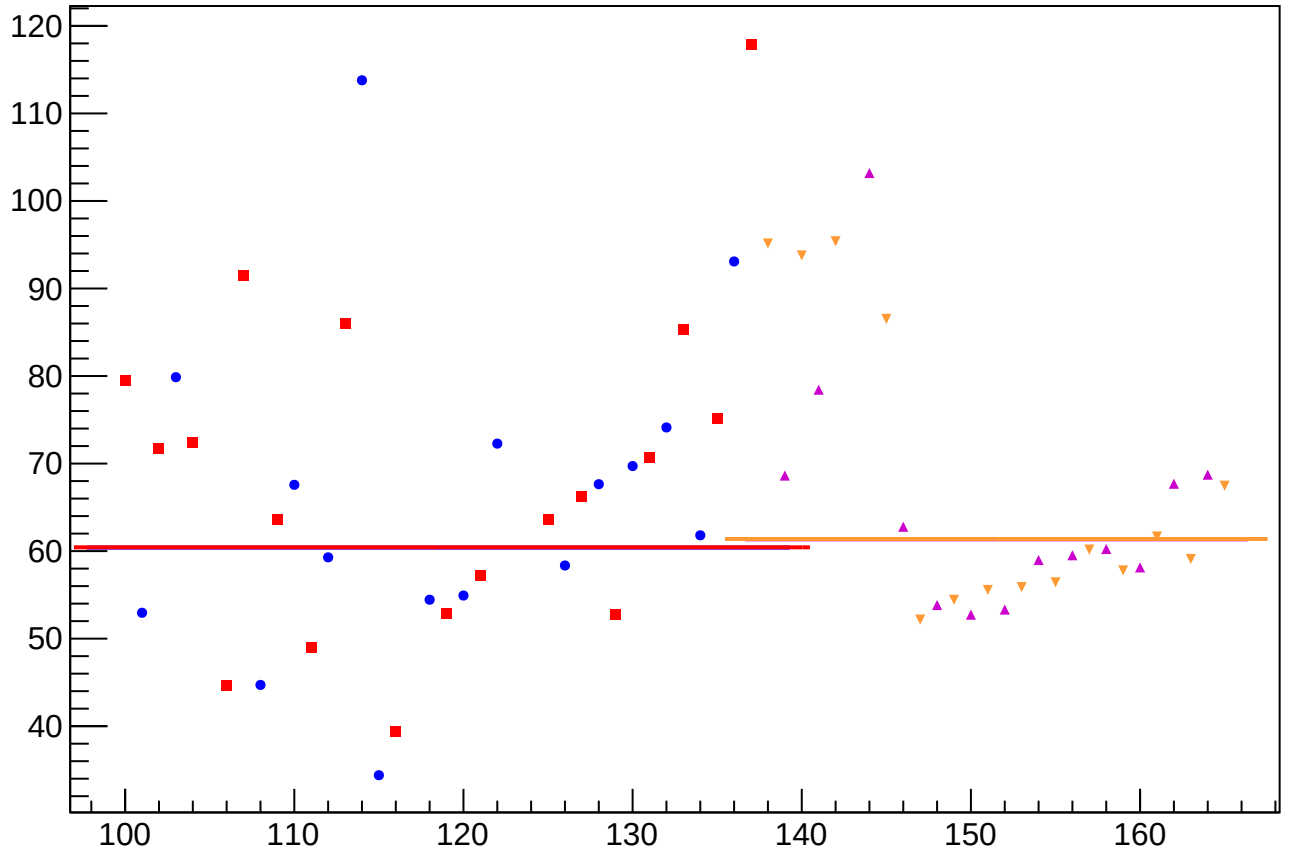
Left: -0.006+/-0.014 χ^2/NDF: 37.3/26

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

In: -0.006+/-0.015 χ^2/NDF:42.4/28

Out: -0.006+/-0.015 χ^2/NDF:44.3/31

All: -0.006+/-0.011 χ^2/NDF: 86.7/60



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

Left Out: 61.385+/-0.014 χ^2/NDF:746714.1/13

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

Left In: 61.345+/-0.014 χ^2/NDF:539003.1/12

Left: 61.365+/-0.010 χ^2/NDF: 1285721.6/26

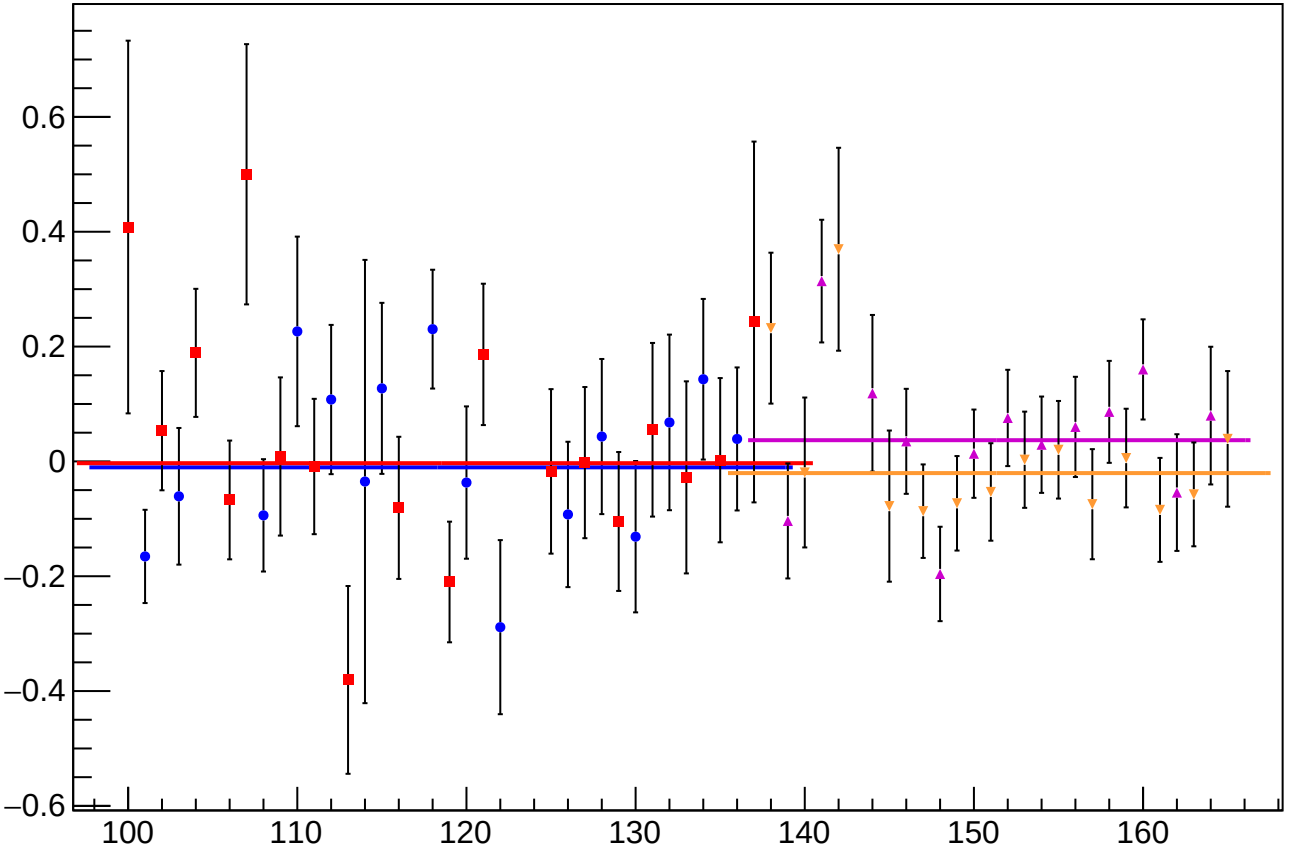
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 60.974+/-0.011 χ^2/NDF:1244068.7/28

Out: 61.007+/-0.011 χ^2/NDF:1459732.3/31

All: 60.991+/-0.007 χ^2/NDF: 2703805.8/60

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.020+/-0.026 χ^2/NDF:11.6/13

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

Left In: 0.037+/-0.026 χ^2/NDF:20.7/12

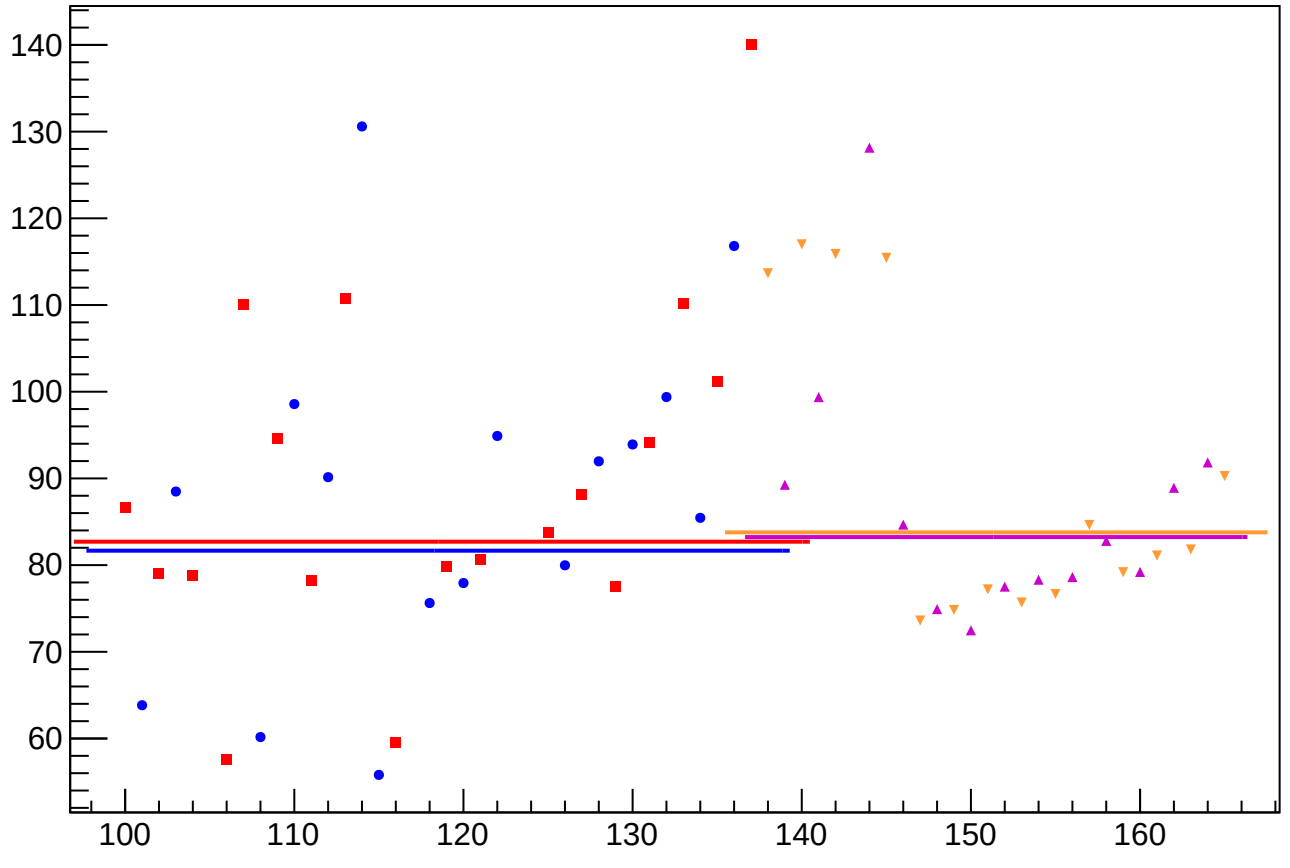
Left: 0.009+/-0.018 χ^2/NDF: 34.8/26

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

In: 0.018+/-0.020 χ^2/NDF:42.2/28

Out: -0.013+/-0.020 χ^2/NDF:35.4/31

All: 0.002+/-0.014 χ^2/NDF: 78.9/60



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

Left Out: 83.777+/-0.018 χ^2/NDF:528819.4/13

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

Left In: 83.235+/-0.018 χ^2/NDF:372280.1/12

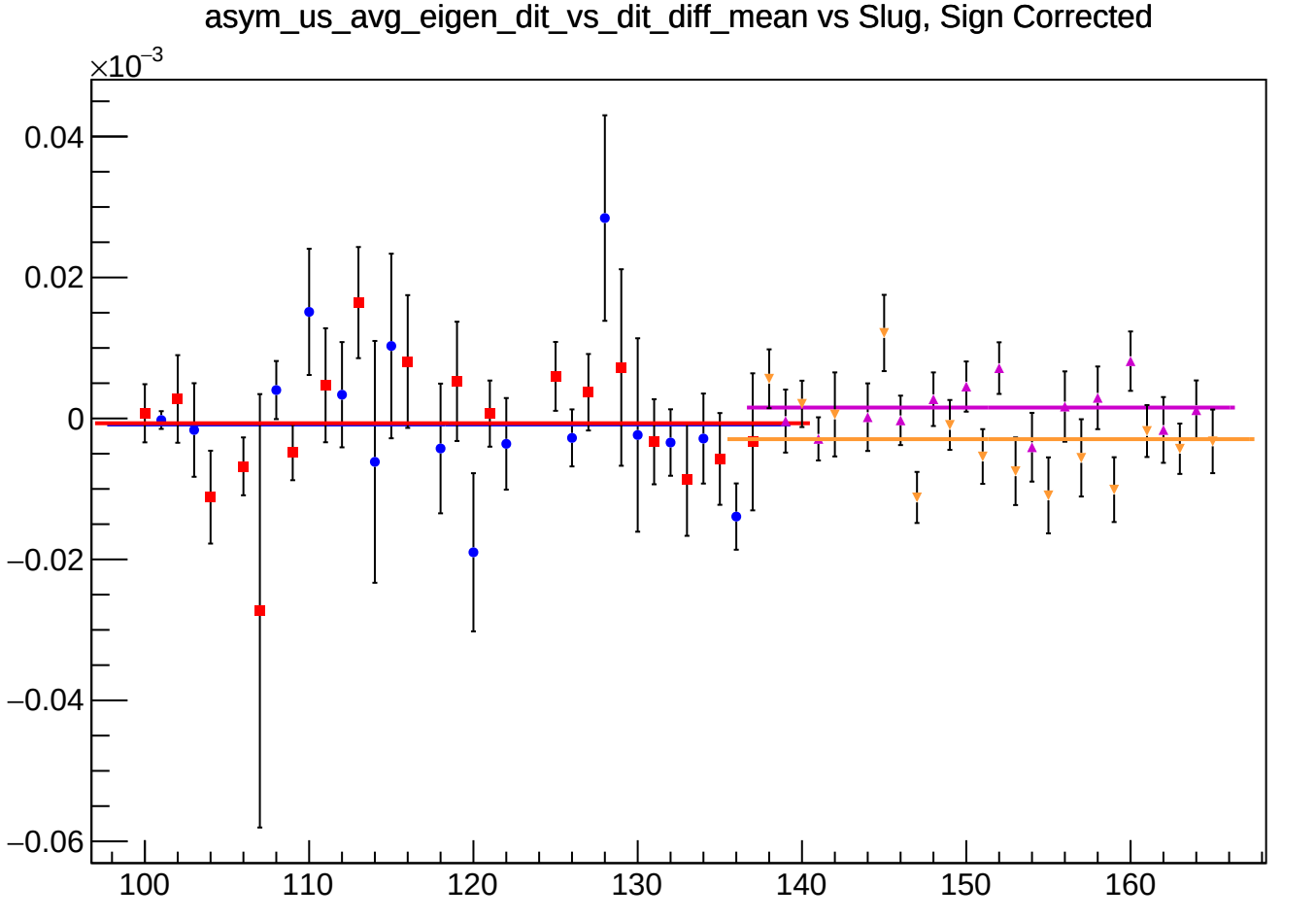
Left: 83.503+/-0.013 χ^2/NDF: 901539.2/26

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

In: 82.611+/-0.014 χ^2/NDF:937109.1/28

Out: 83.346+/-0.014 χ^2/NDF:1003261.1/31

All: 82.975+/-0.010 χ^2/NDF: 1941719.2/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/13

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

Left In: 0.000+/-0.000 χ^2/NDF:10.1/12

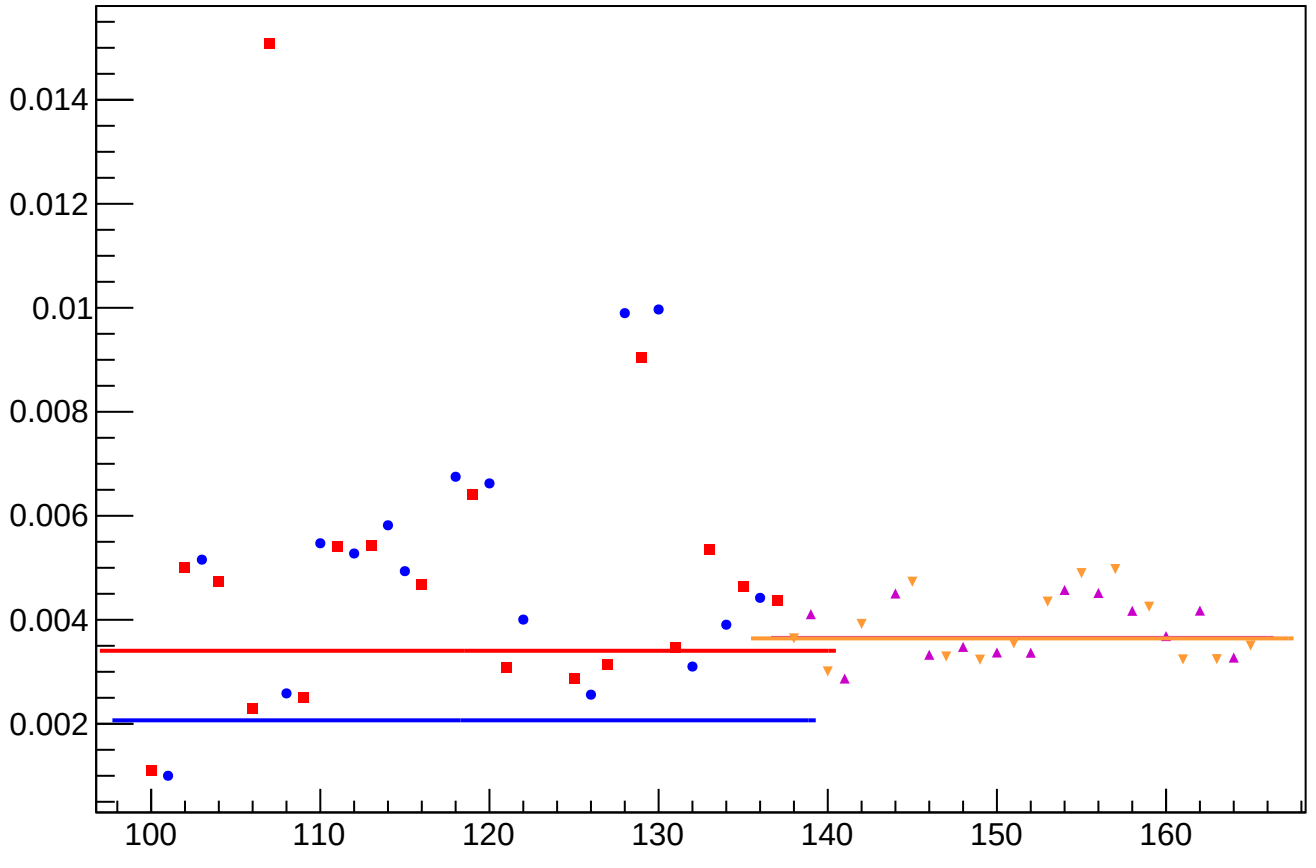
Left: -0.000+/-0.000 χ^2/NDF: 44.7/26

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

In: 0.000+/-0.000 χ^2/NDF:34.0/28

Out: -0.000+/-0.000 χ^2/NDF:46.5/31

All: -0.000+/-0.000 χ^2/NDF: 84.3/60



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

Left Out: 0.004+/-0.000 χ^2/NDF:562543.0/13

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

Left In: 0.004+/-0.000 χ^2/NDF:460891.6/12

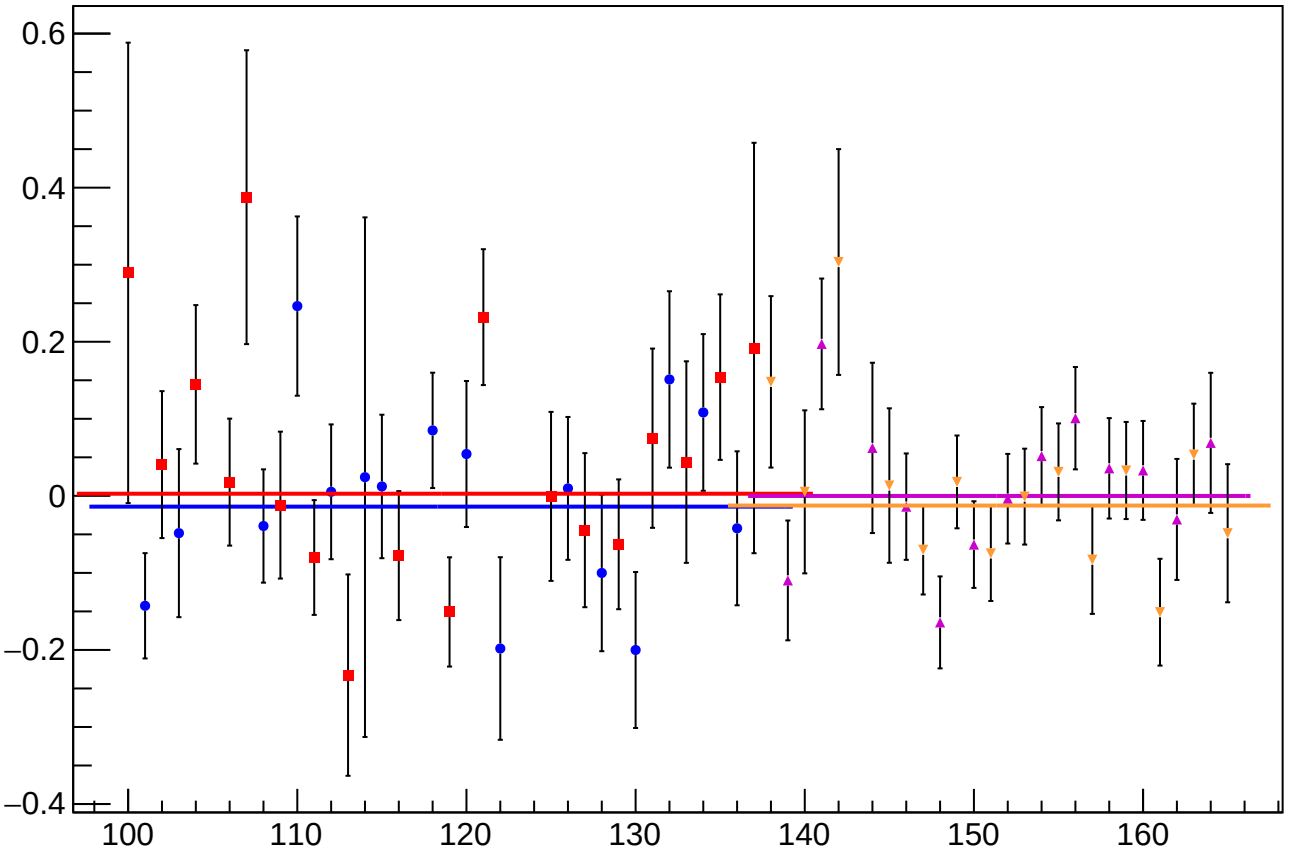
Left: 0.004+/-0.000 χ^2/NDF: 1023504.0/26

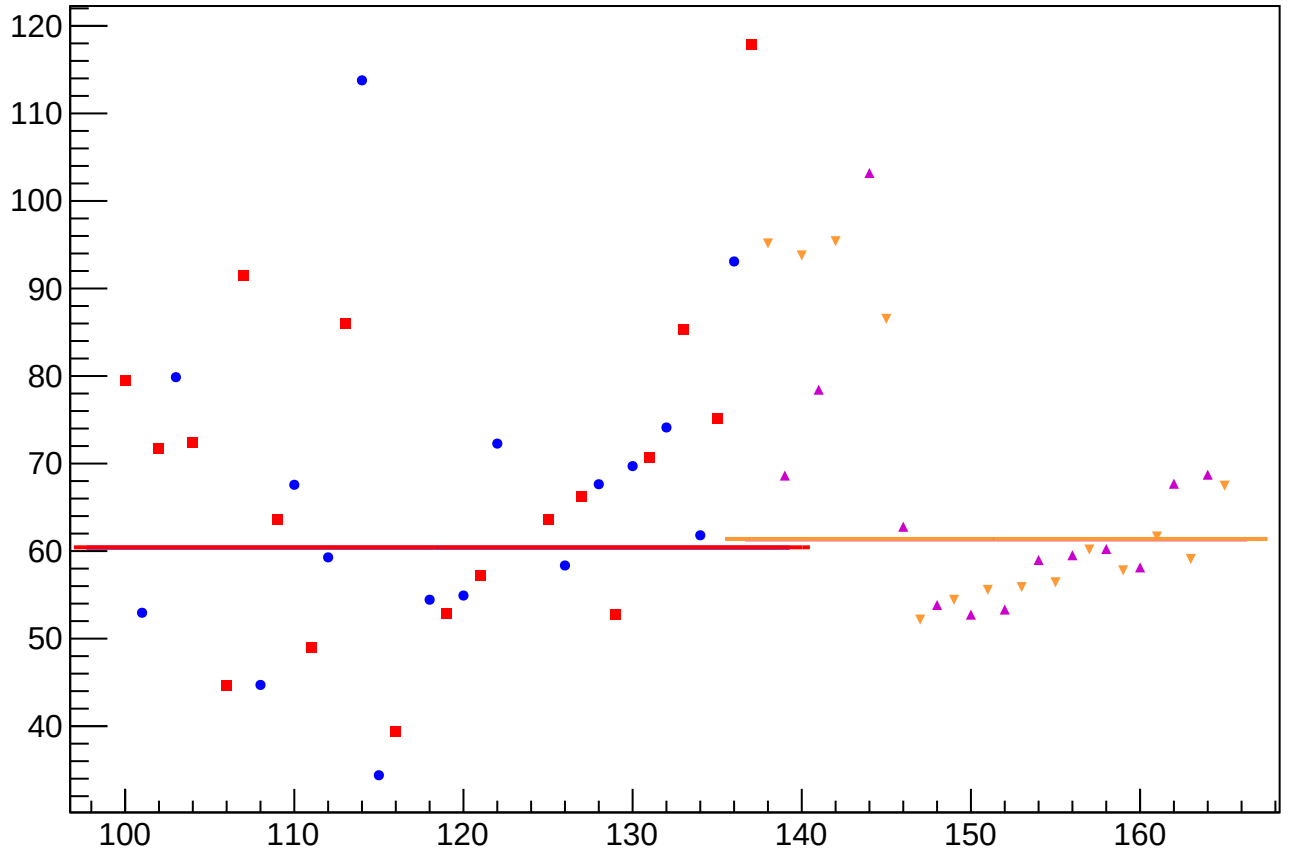
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:8483332.7/28

Out: 0.004+/-0.000 χ^2/NDF:3088281.4/31

All: 0.003+/-0.000 χ^2/NDF: 12470327.8/60


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.013+/-0.019 χ²/NDF:16.3/13
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.000+/-0.019 χ²/NDF:20.9/12
Left: -0.006+/-0.014 χ²/NDF: 37.3/26
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.006+/-0.015 χ²/NDF:42.4/28
Out: -0.006+/-0.015 χ²/NDF:44.3/31
All: -0.006+/-0.011 χ²/NDF: 86.7/60



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

Left Out: 61.385+/-0.014 χ^2/NDF:746707.5/13

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

Left In: 61.345+/-0.014 χ^2/NDF:538997.1/12

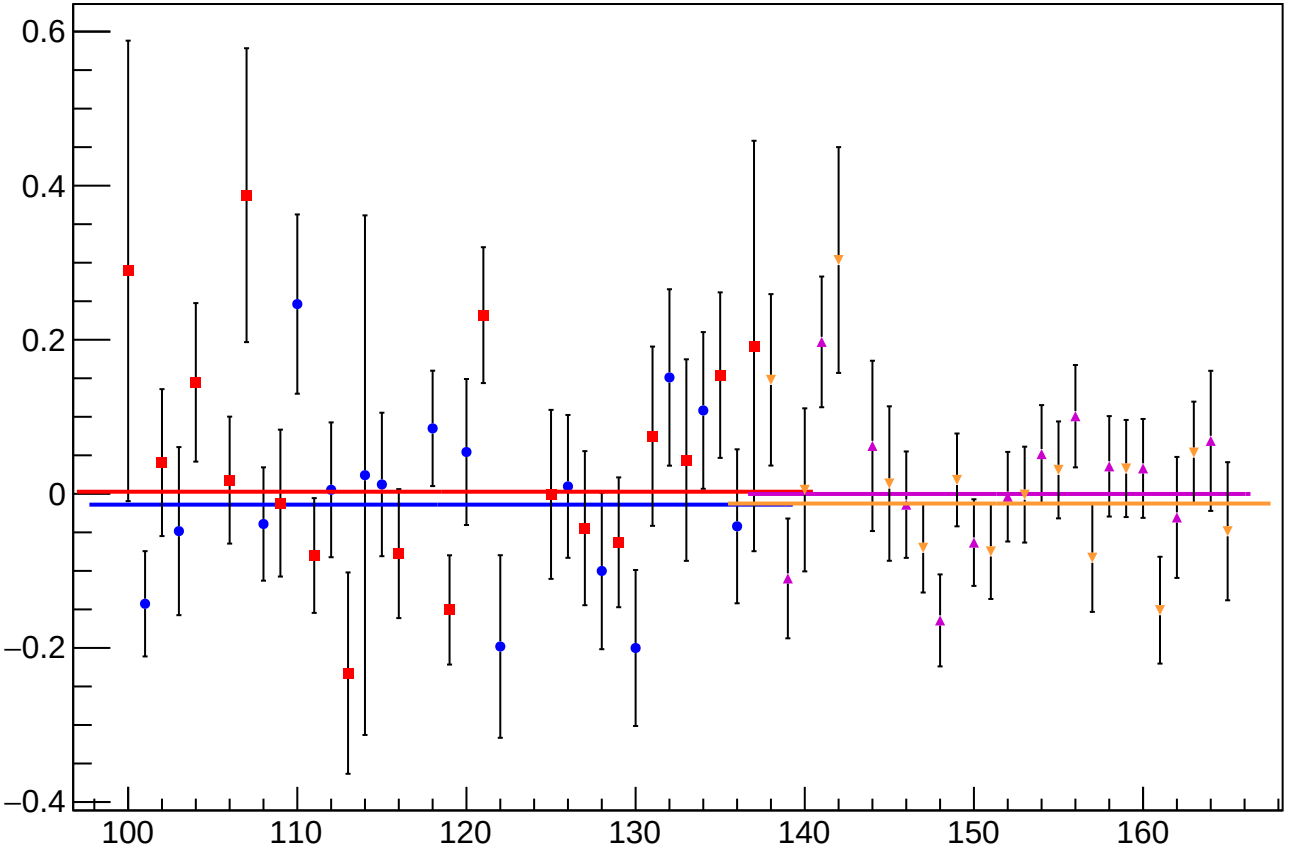
Left: 61.365+/-0.010 χ^2/NDF: 1285709.1/26

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

In: 60.974+/-0.011 χ^2/NDF:1244081.3/28

Out: 61.007+/-0.011 χ^2/NDF:1459762.9/31

All: 60.990+/-0.007 χ^2/NDF: 2703849.0/60



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

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

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

Left In: -0.000+/-0.019 χ^2/NDF:20.9/12

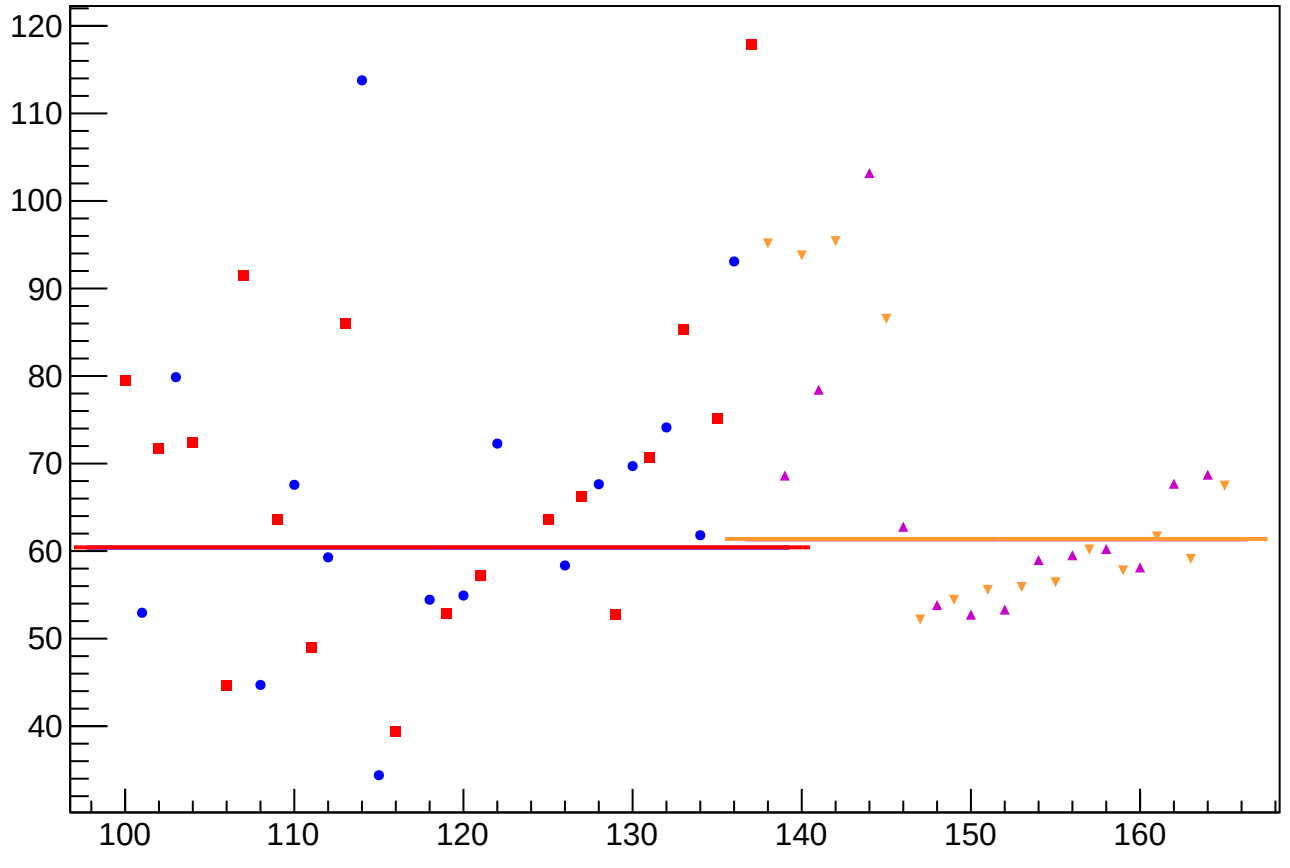
Left: -0.006+/-0.014 χ^2/NDF: 37.3/26

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

In: -0.006+/-0.015 χ^2/NDF:42.4/28

Out: -0.006+/-0.015 χ^2/NDF:44.3/31

All: -0.006+/-0.011 χ^2/NDF: 86.7/60



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

Left Out: 61.385+/-0.014 χ^2/NDF:746707.5/13

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

Left In: 61.345+/-0.014 χ^2/NDF:538997.1/12

Left: 61.365+/-0.010 χ^2/NDF: 1285709.1/26

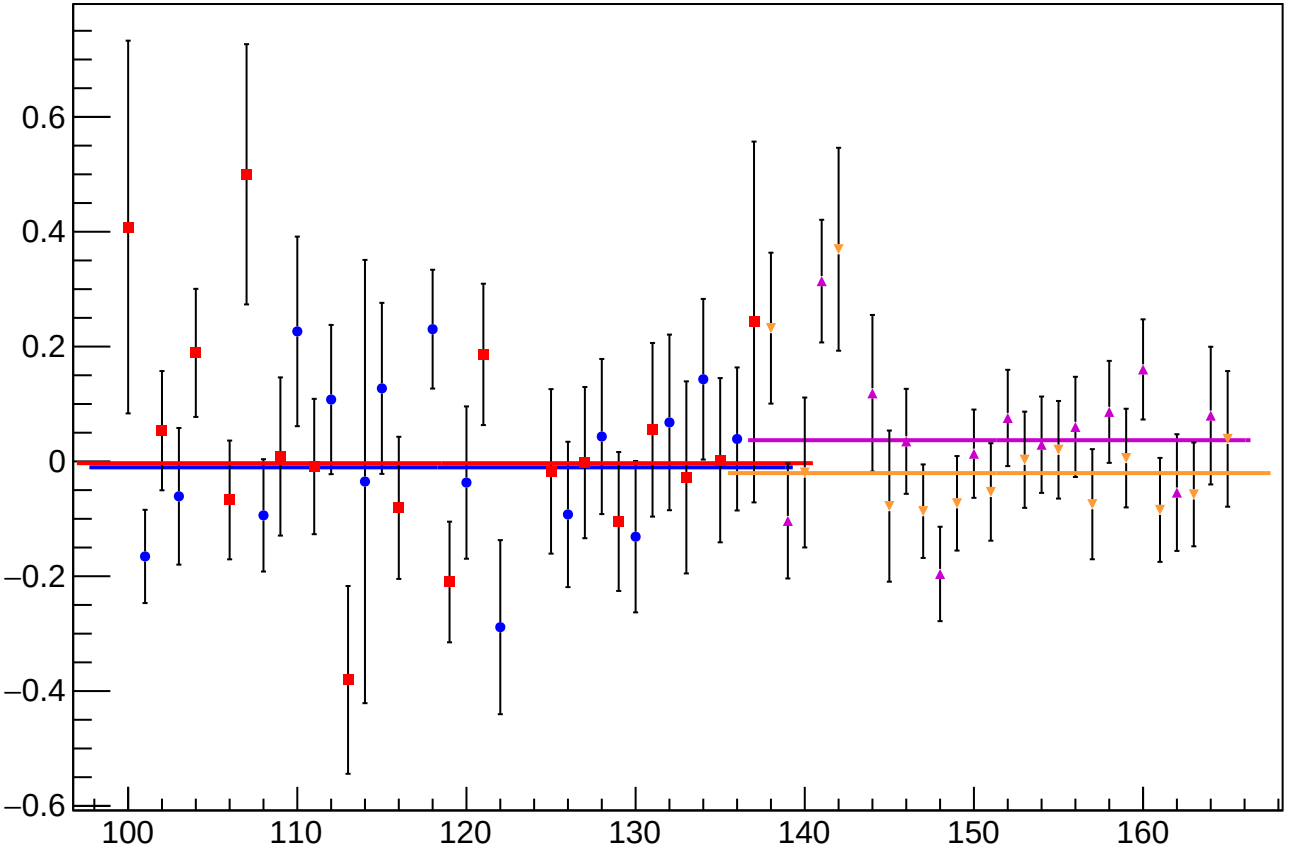
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.974+/-0.011 χ^2/NDF:1244081.3/28

Out: 61.007+/-0.011 χ^2/NDF:1459762.9/31

All: 60.990+/-0.007 χ^2/NDF: 2703849.0/60

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.020+/-0.026 χ^2/NDF:11.6/13

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

Left In: 0.037+/-0.026 χ^2/NDF:20.7/12

Left: 0.009+/-0.018 χ^2/NDF: 34.8/26

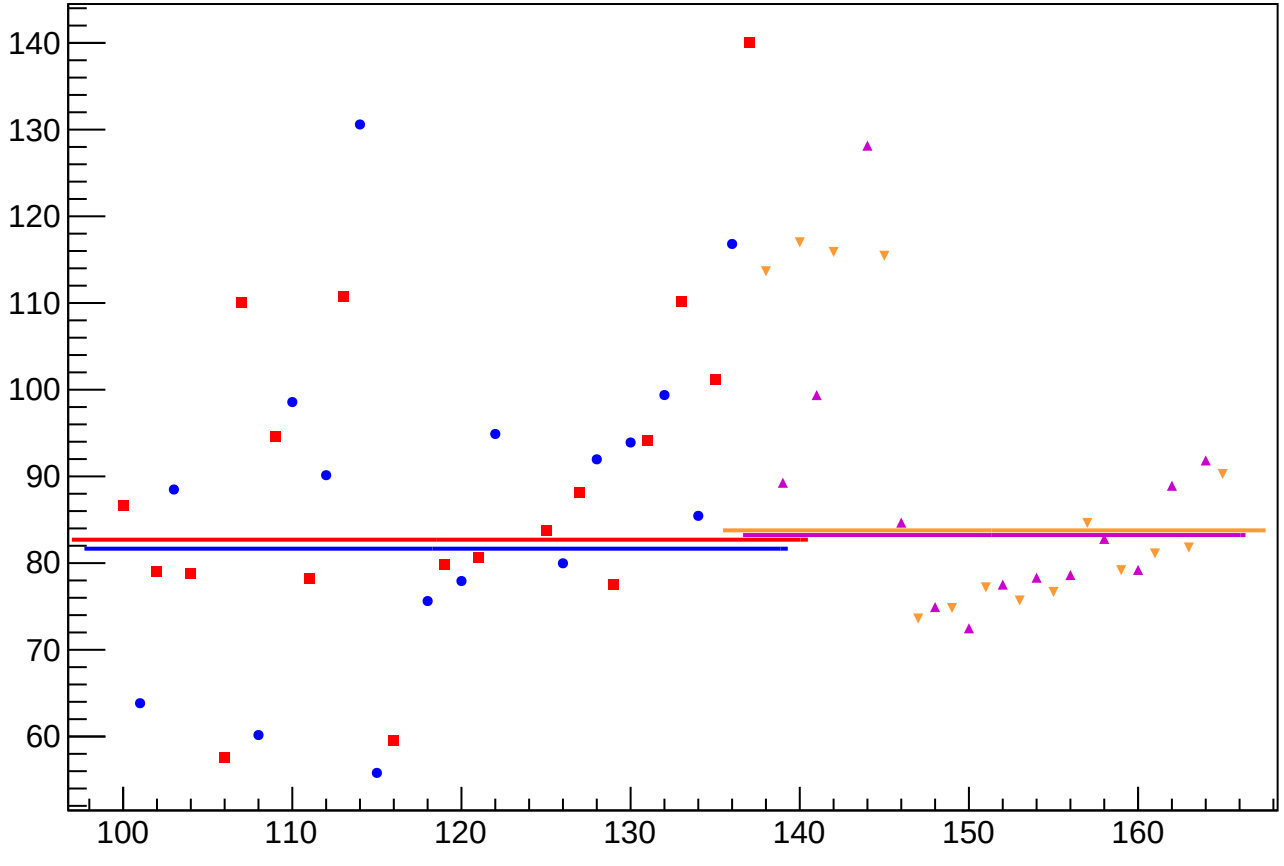
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.018+/-0.020 χ^2/NDF:42.2/28

Out: -0.013+/-0.020 χ^2/NDF:35.4/31

All: 0.002+/-0.014 χ^2/NDF: 78.9/60

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: 83.777+/-0.018 χ^2/NDF:528815.0/13

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

Left In: 83.236+/-0.018 χ^2/NDF:372278.4/12

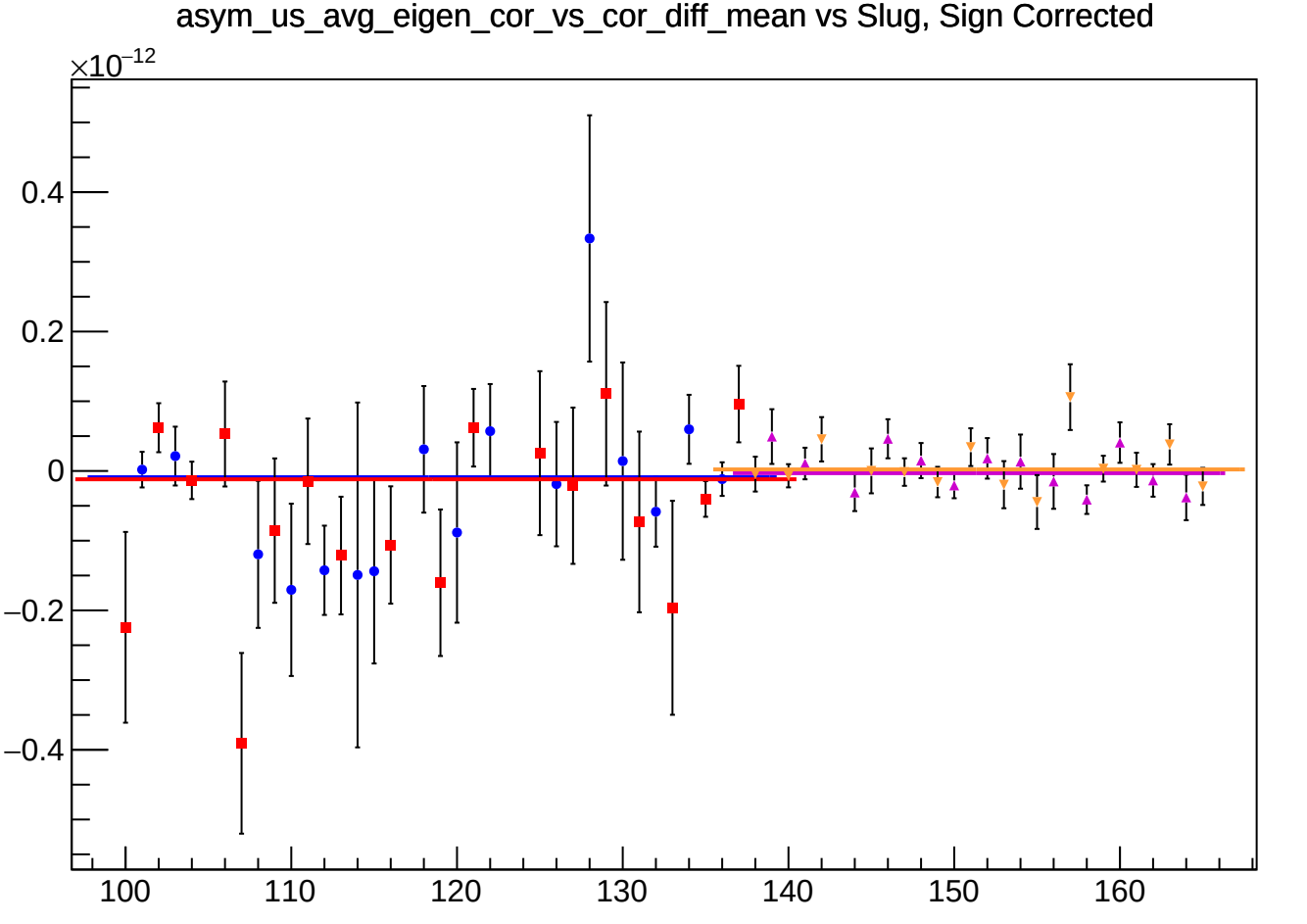
Left: 83.503+/-0.013 χ^2/NDF: 901533.2/26

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

In: 82.611+/-0.014 χ^2/NDF:937098.9/28

Out: 83.345+/-0.014 χ^2/NDF:1003256.7/31

All: 82.975+/-0.010 χ^2/NDF: 1941704.4/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/13

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

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

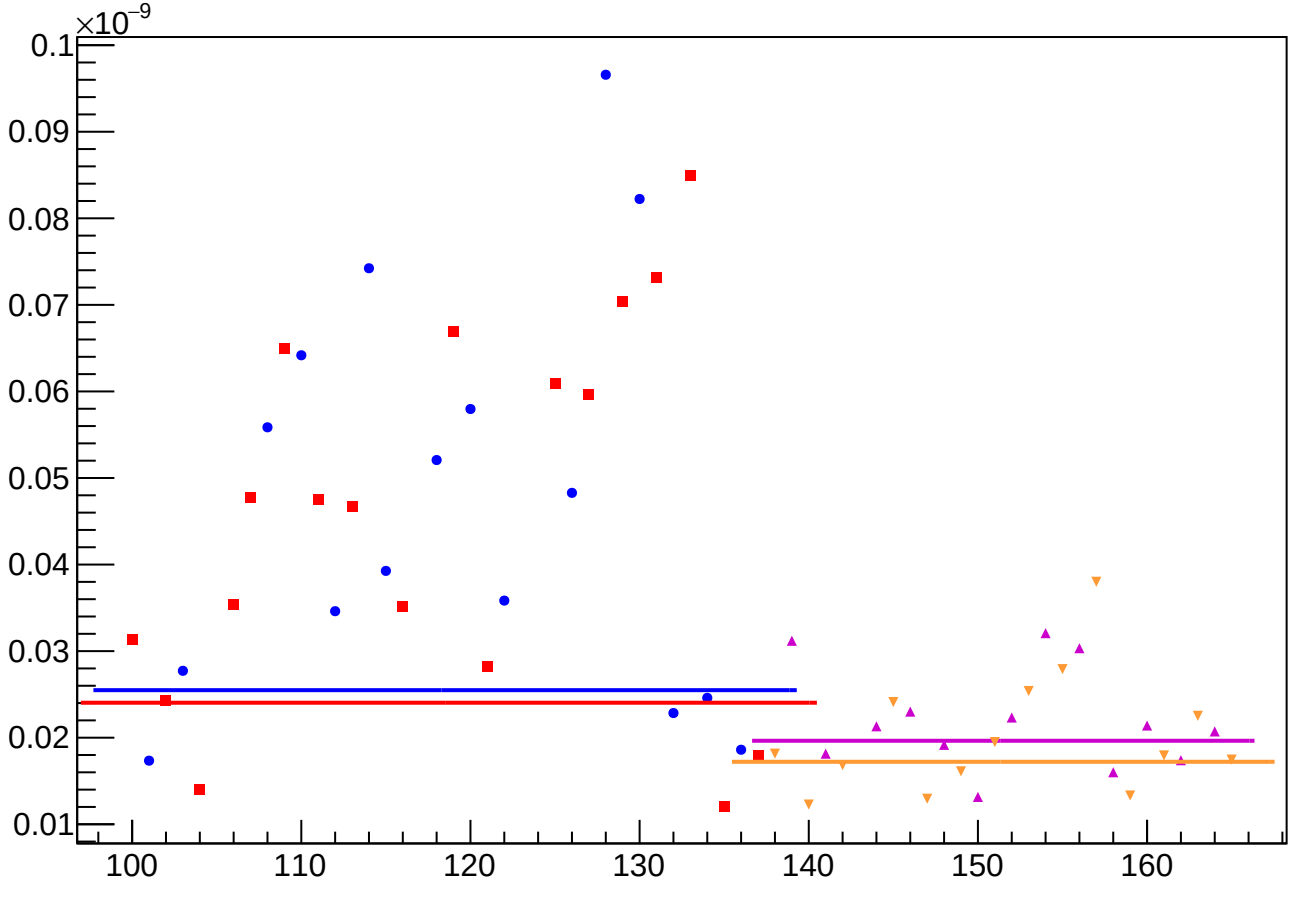
Left: -0.000+/-0.000 χ^2/NDF: 29.3/26

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

In: -0.000+/-0.000 χ^2/NDF:33.2/28

Out: -0.000+/-0.000 χ^2/NDF:45.4/31

All: -0.000+/-0.000 χ^2/NDF: 78.8/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:1200800.3/13

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

Left In: 0.000+/-0.000 χ^2/NDF:928566.6/12

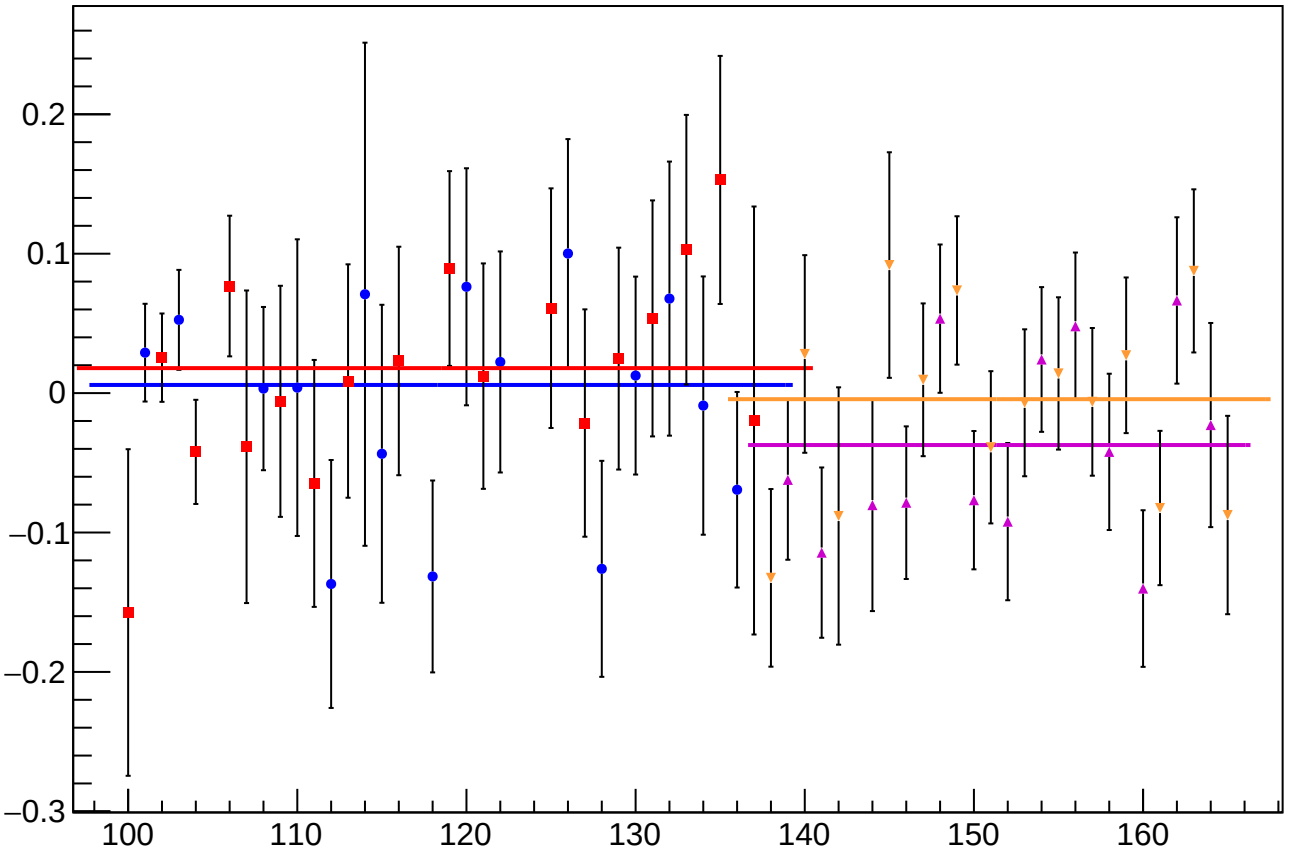
Left: 0.000+/-0.000 χ^2/NDF: 2249231.0/26

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

In: 0.000+/-0.000 χ^2/NDF:3226585.6/28

Out: 0.000+/-0.000 χ^2/NDF:4700657.2/31

All: 0.000+/-0.000 χ^2/NDF: 8081826.4/60



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

Left Out: -0.004+/-0.016 χ^2/NDF:15.4/13

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

Left In: -0.037+/-0.016 χ^2/NDF:17.6/12

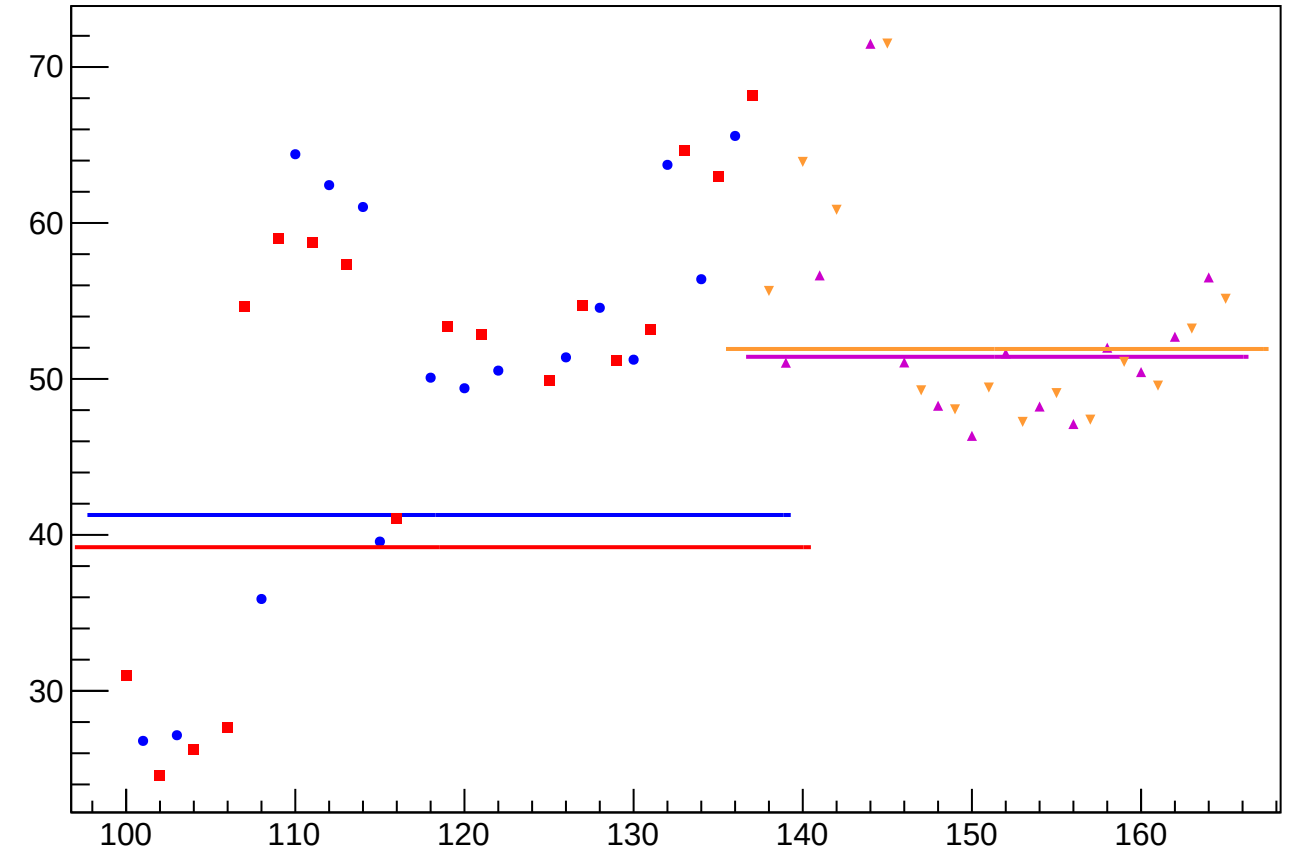
Left: -0.021+/-0.011 χ^2/NDF: 35.1/26

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:36.7/28

Out: 0.007+/-0.011 χ^2/NDF:28.7/31

All: -0.005+/-0.008 χ^2/NDF: 67.5/60



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

Left Out: 51.922+/-0.011 χ^2/NDF:264241.0/13

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

Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

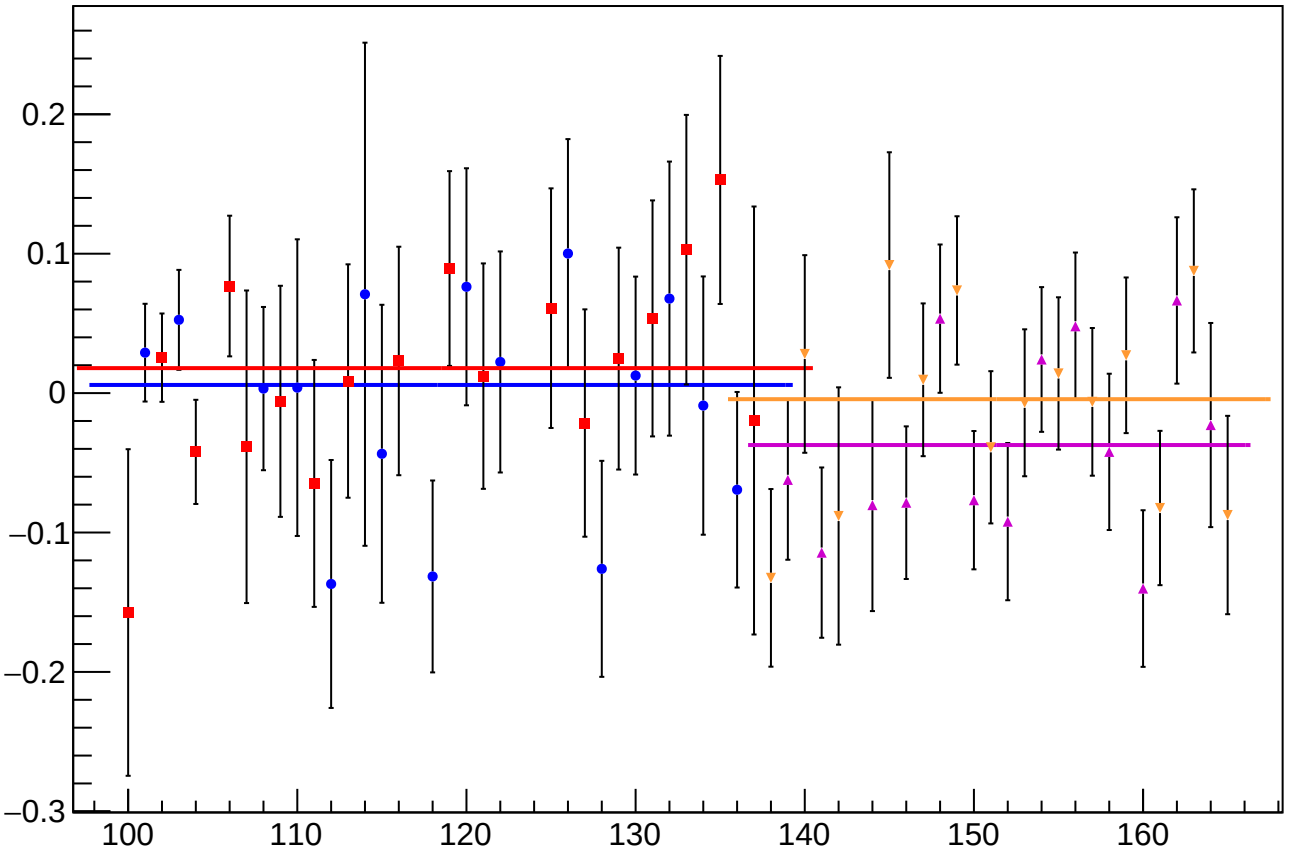
Left: 51.669+/-0.008 χ^2/NDF: 479505.9/26

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

In: 46.562+/-0.008 χ^2/NDF:2112137.5/28

Out: 45.476+/-0.008 χ^2/NDF:2727365.1/31

All: 46.008+/-0.006 χ^2/NDF: 4848709.7/60



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

Left Out: -0.004+/-0.016 χ^2/NDF:15.4/13

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

Left In: -0.037+/-0.016 χ^2/NDF:17.6/12

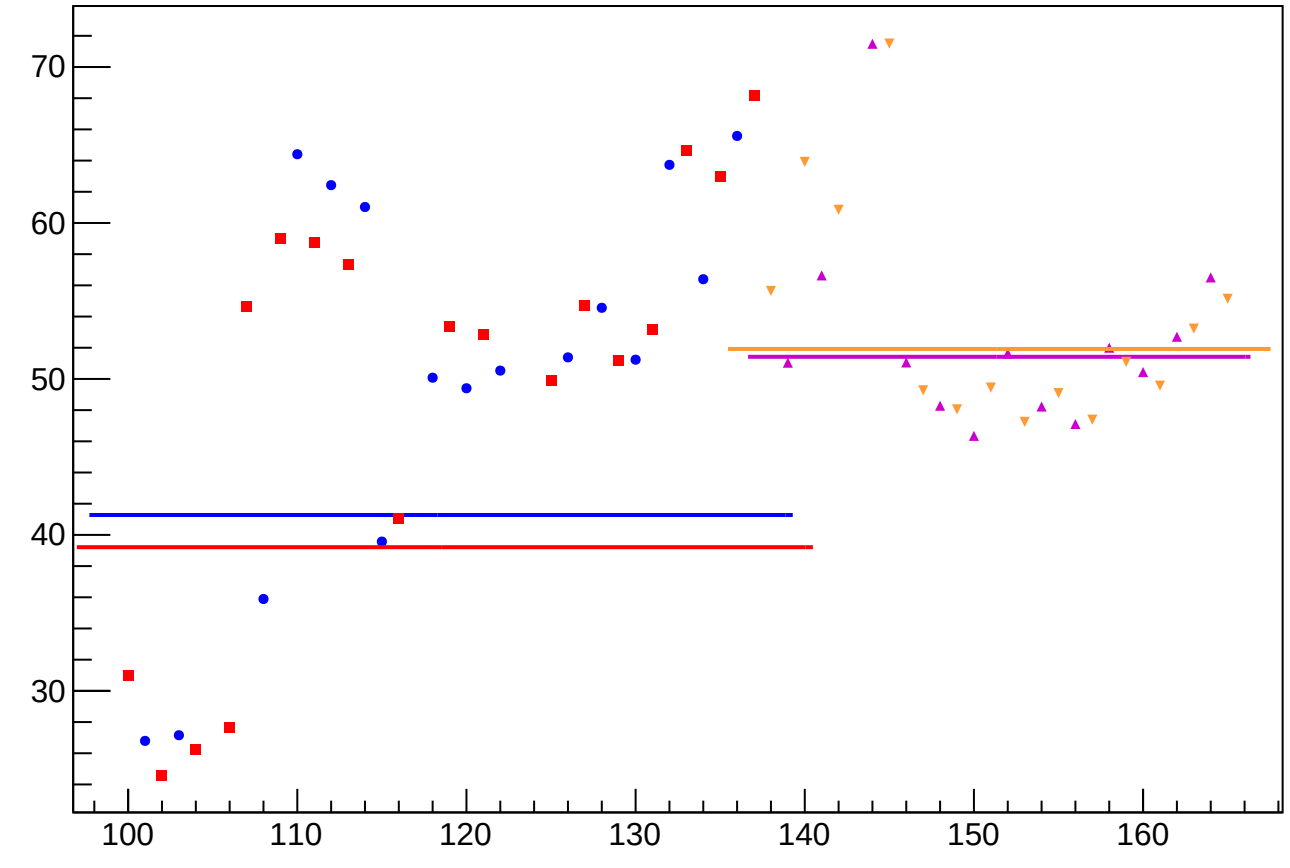
Left: -0.021+/-0.011 χ^2/NDF: 35.1/26

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:36.7/28

Out: 0.007+/-0.011 χ^2/NDF:28.7/31

All: -0.005+/-0.008 χ^2/NDF: 67.5/60



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

Left Out: 51.922+/-0.011 χ^2/NDF:264241.0/13

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

Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

Left: 51.669+/-0.008 χ^2/NDF: 479505.9/26

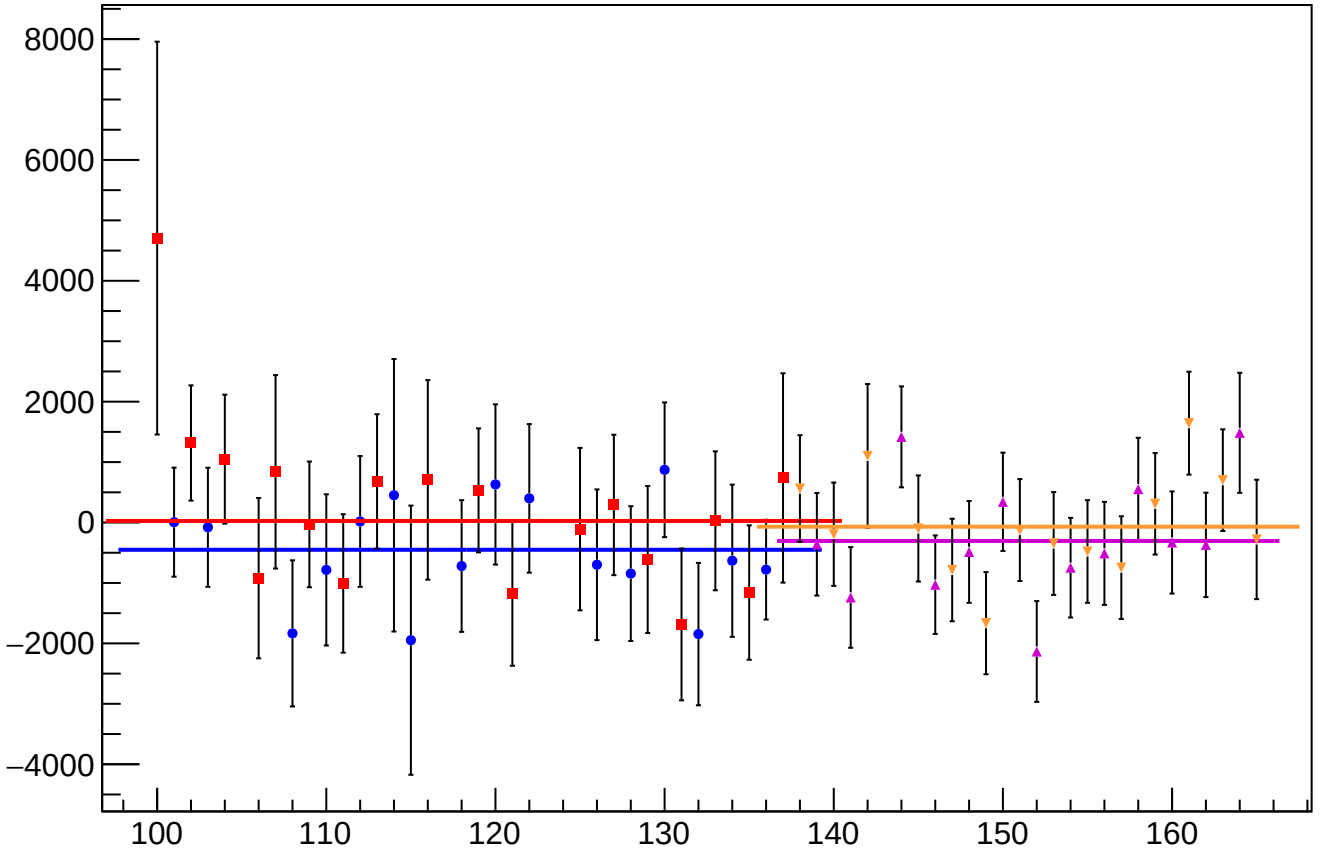
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.562+/-0.008 χ^2/NDF:2112137.5/28

Out: 45.476+/-0.008 χ^2/NDF:2727365.1/31

All: 46.008+/-0.006 χ^2/NDF: 4848709.7/60

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

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

Left In: -304.814+/-234.943 χ^2/NDF:16.4/12

Left: -186.451+/-165.856 χ^2/NDF: 28.8/26

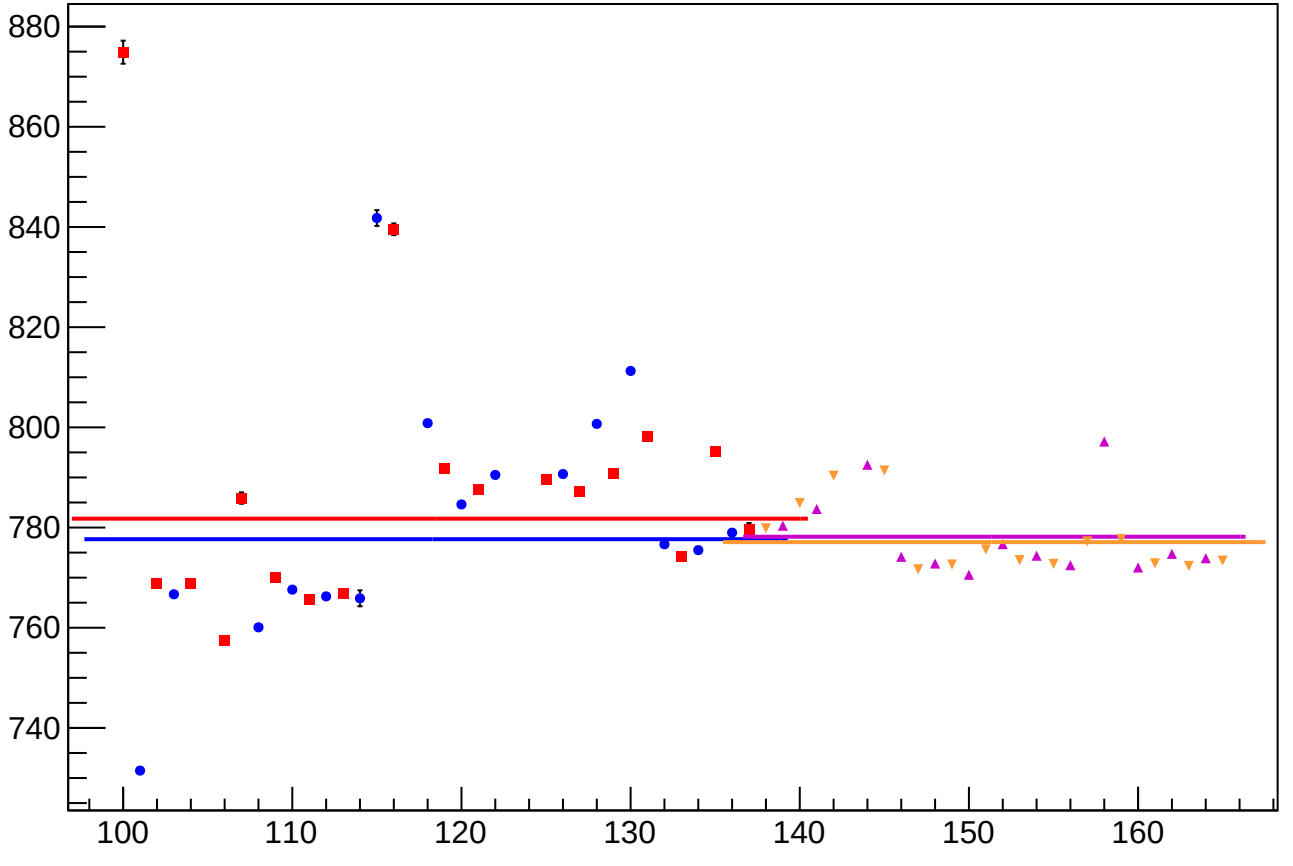
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -362.977+/-182.290 χ^2/NDF:23.5/28

Out: -31.084+/-181.710 χ^2/NDF:23.6/31

All: -196.501+/-128.693 χ^2/NDF: 48.8/60

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

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

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

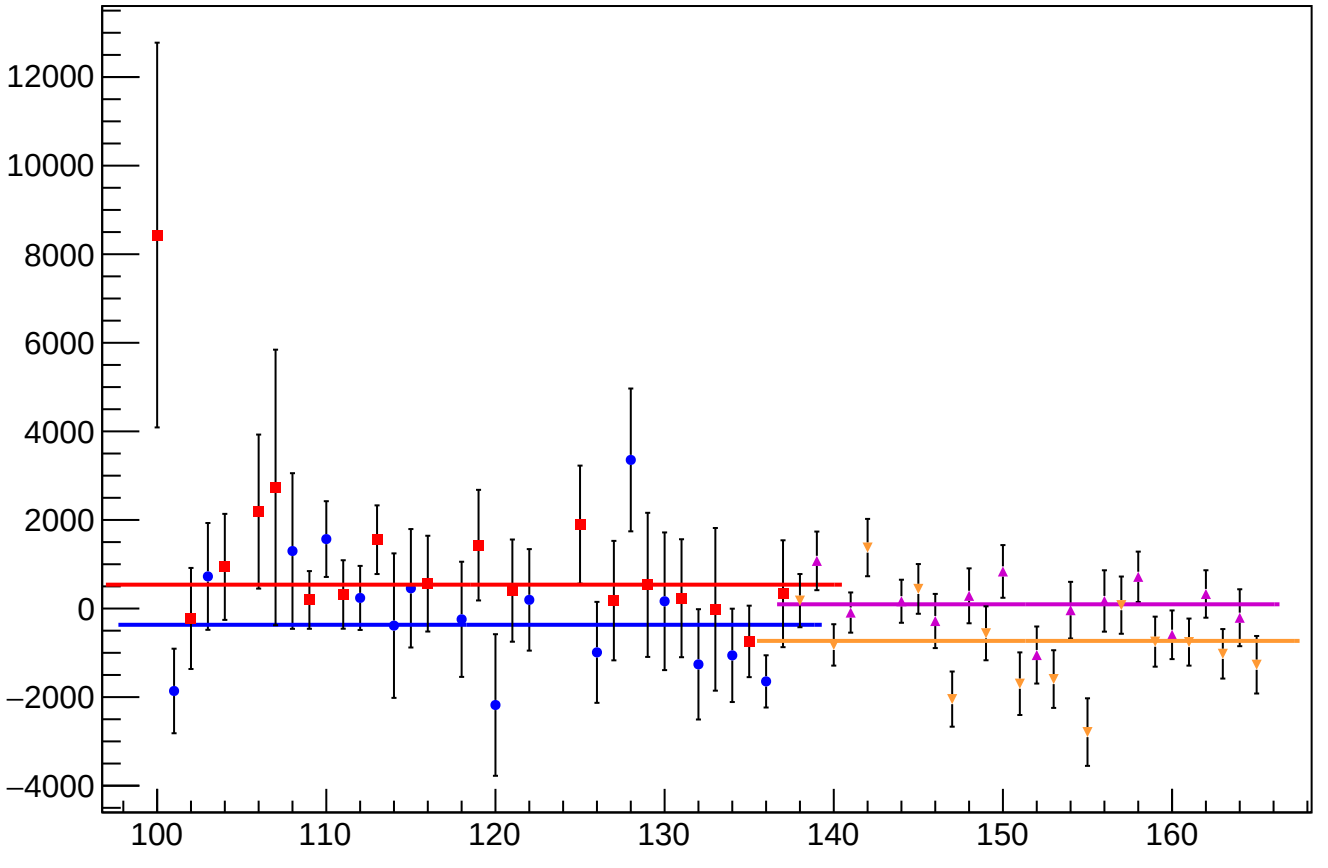
Left: 777.629+/-0.117 χ^2/NDF: 3671.7/26

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

In: 777.971+/-0.129 χ^2/NDF:14370.9/28

Out: 778.957+/-0.128 χ^2/NDF:9283.3/31

All: 778.466+/-0.091 χ^2/NDF: 23683.6/60



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

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

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

Left In: 95.621+/-160.716 χ^2/NDF:10.8/12

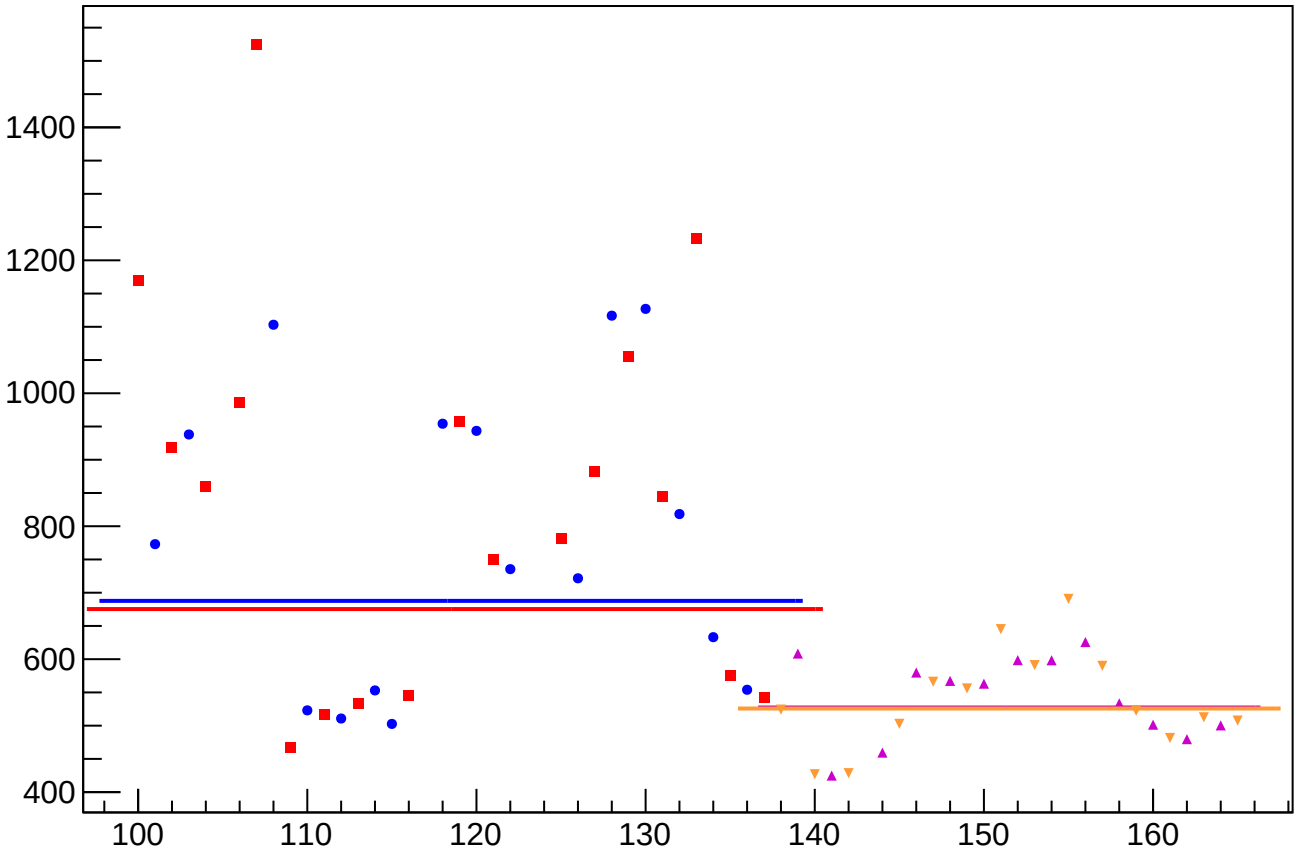
Left: -318.572+/-113.502 χ^2/NDF: 59.3/26

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

In: -27.624+/-137.654 χ^2/NDF:36.3/28

Out: -386.585+/-136.876 χ^2/NDF:63.9/31

All: -208.121+/-97.060 χ^2/NDF: 103.7/60



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

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

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

Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

Left: 526.559+/-0.080 χ^2/NDF: 673270.7/26

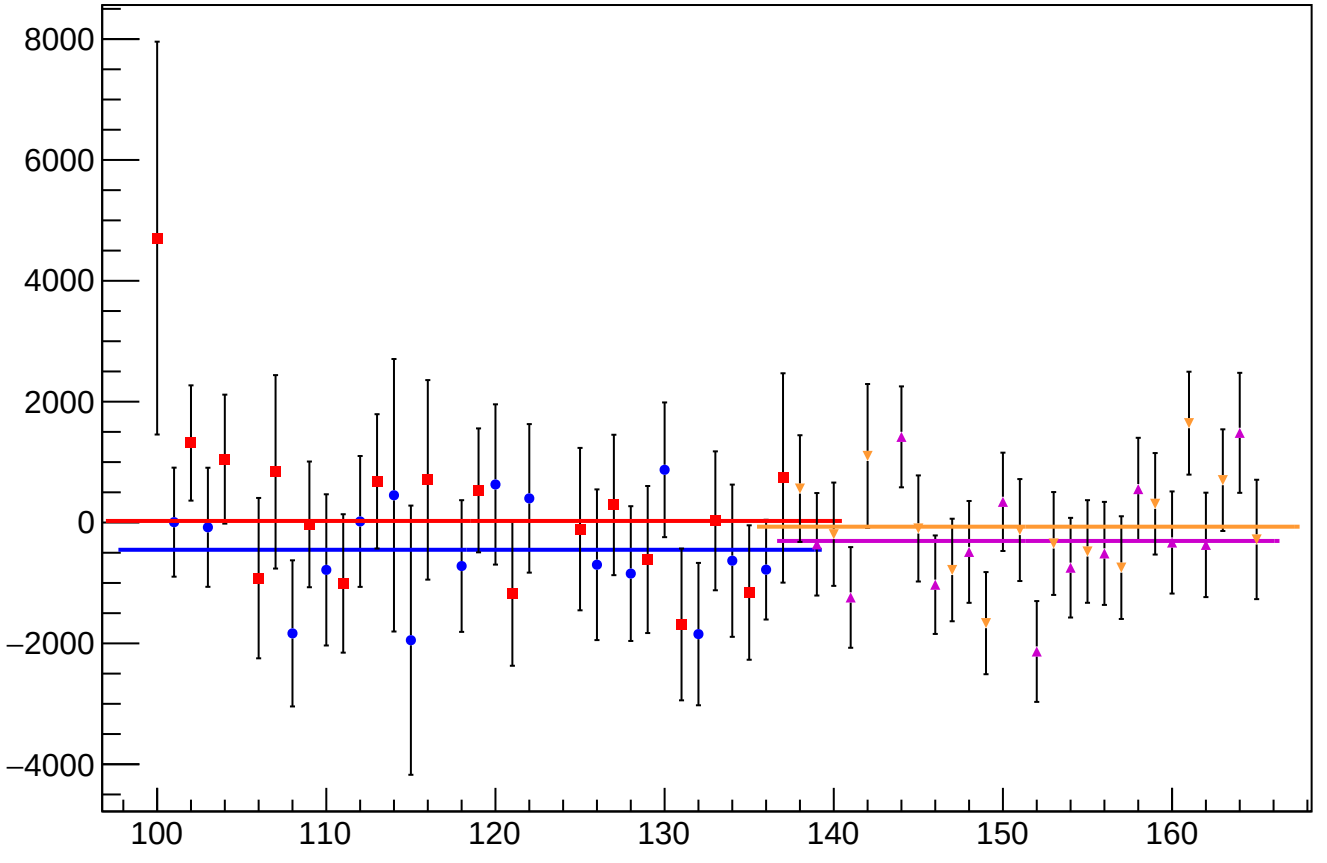
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 570.054+/-0.097 χ^2/NDF:1877329.0/28

Out: 566.349+/-0.097 χ^2/NDF:2143544.0/31

All: 568.191+/-0.069 χ^2/NDF: 4021601.4/60

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

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

Left In: -304.814+/-234.943 χ^2/NDF:16.4/12

Left: -186.451+/-165.856 χ^2/NDF: 28.8/26

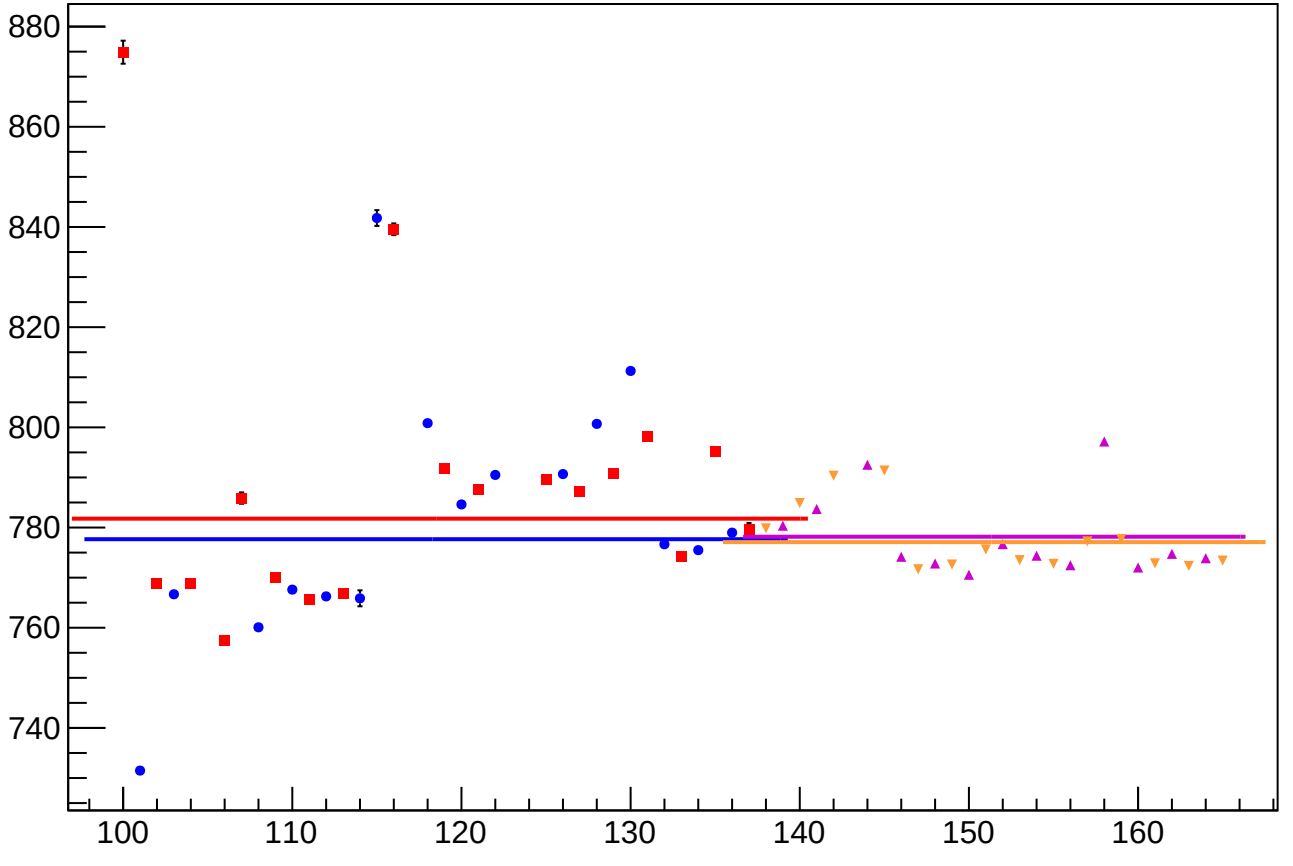
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -362.977+/-182.290 χ^2/NDF:23.5/28

Out: -31.084+/-181.710 χ^2/NDF:23.6/31

All: -196.501+/-128.693 χ^2/NDF: 48.8/60

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

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

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

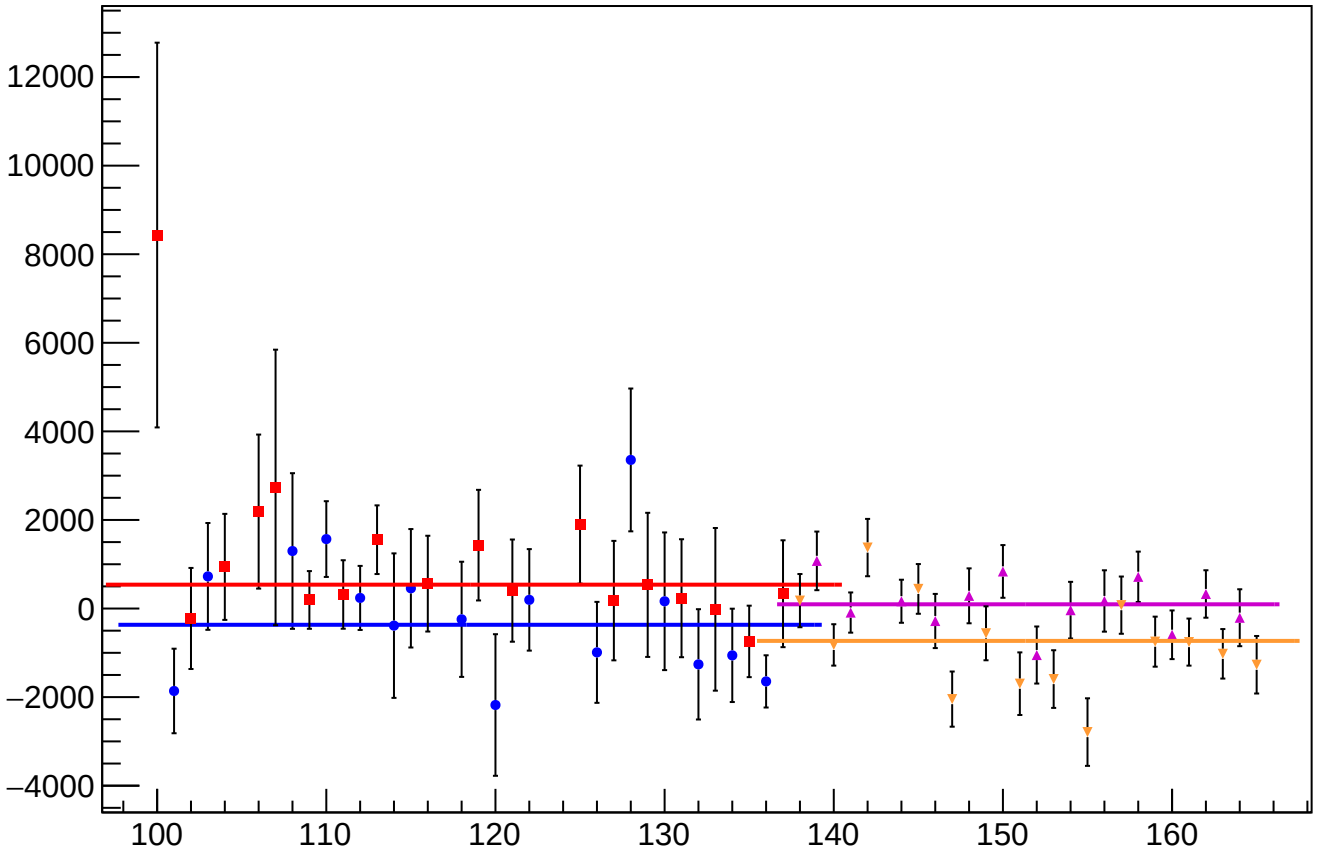
Left: 777.629+/-0.117 χ^2/NDF: 3671.7/26

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

In: 777.971+/-0.129 χ^2/NDF:14370.9/28

Out: 778.957+/-0.128 χ^2/NDF:9283.3/31

All: 778.466+/-0.091 χ^2/NDF: 23683.6/60



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

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

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

Left In: 95.621+/-160.716 χ^2/NDF:10.8/12

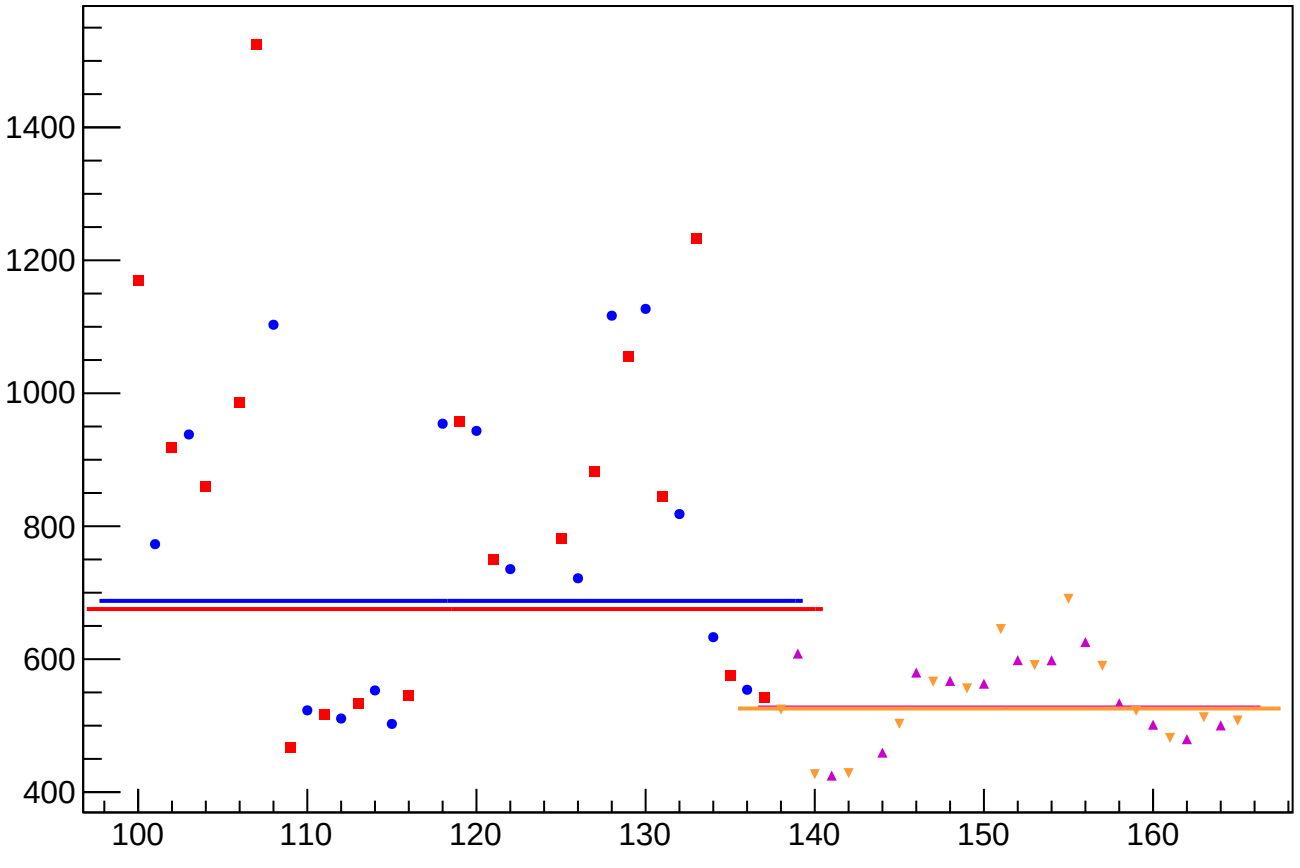
Left: -318.572+/-113.502 χ^2/NDF: 59.3/26

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

In: -27.624+/-137.654 χ^2/NDF:36.3/28

Out: -386.585+/-136.876 χ^2/NDF:63.9/31

All: -208.121+/-97.060 χ^2/NDF: 103.7/60



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

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

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

Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

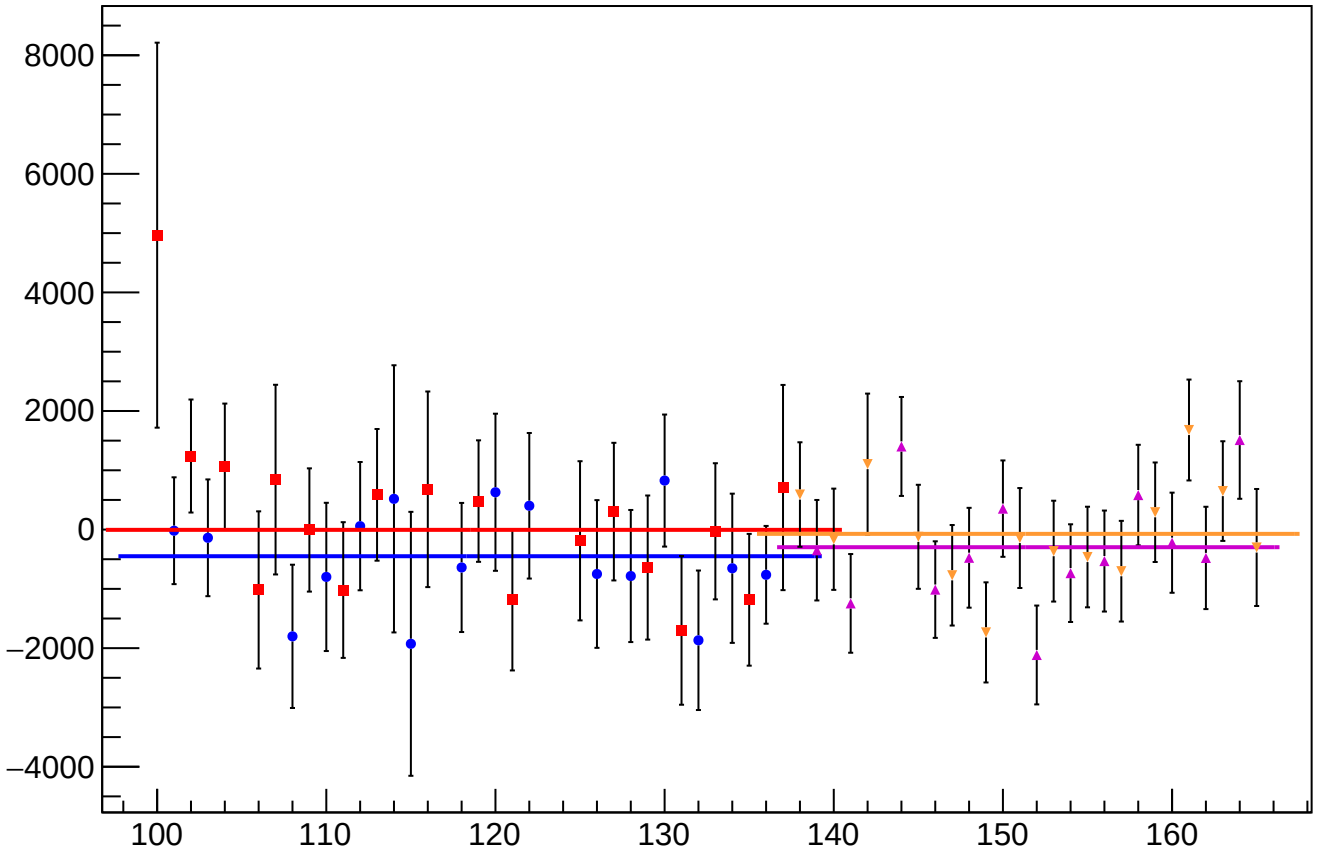
Left: 526.559+/-0.080 χ^2/NDF: 673270.7/26

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

In: 570.054+/-0.097 χ^2/NDF:1877329.0/28

Out: 566.349+/-0.097 χ^2/NDF:2143544.0/31

All: 568.191+/-0.069 χ^2/NDF: 4021601.4/60



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

Left Out: -72.347+/-233.959 χ^2/NDF:12.2/13

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

Left In: -297.300+/-234.743 χ^2/NDF:16.5/12

Left: -184.447+/-165.711 χ^2/NDF: 29.1/26

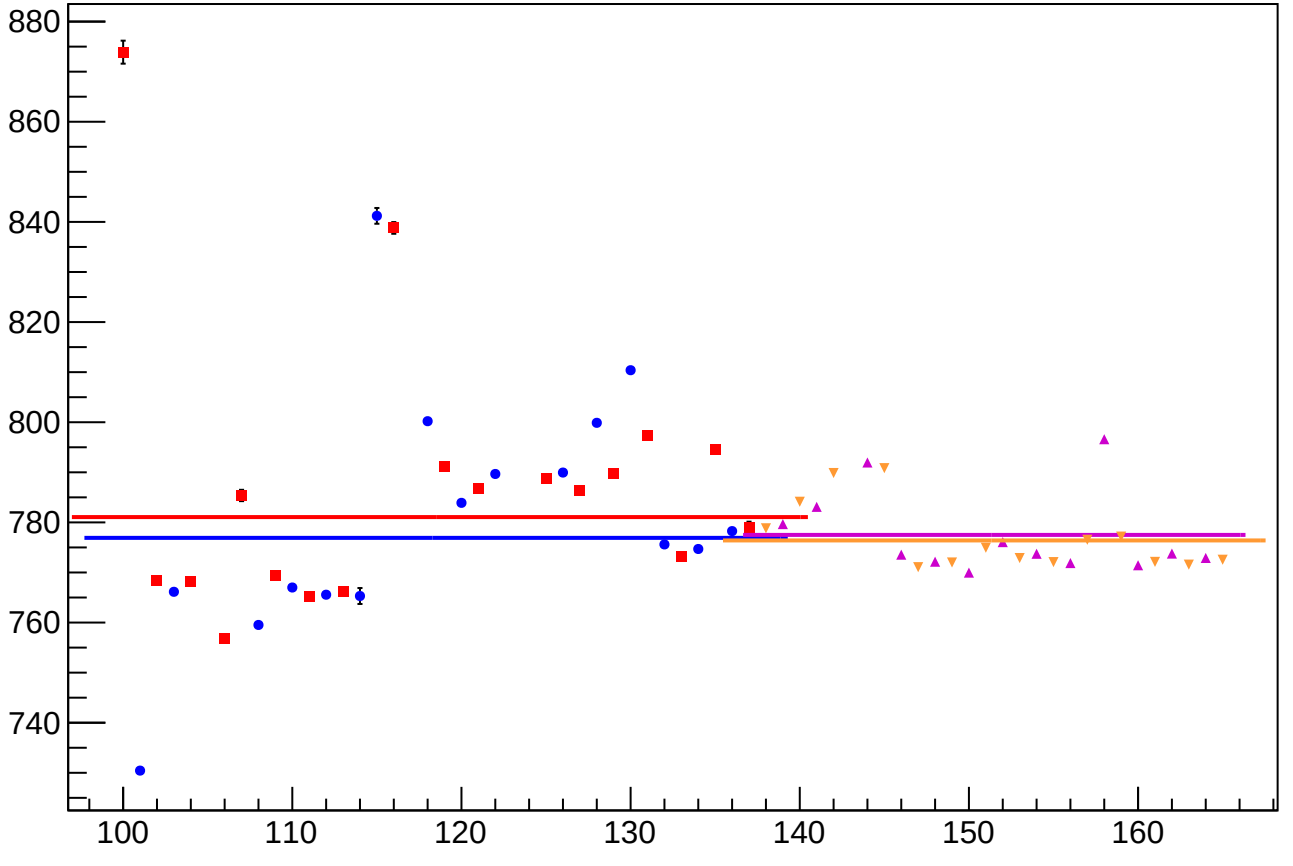
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -357.856+/-182.125 χ^2/NDF:23.4/28

Out: -45.410+/-181.545 χ^2/NDF:24.1/31

All: -201.135+/-128.577 χ^2/NDF: 49.0/60

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.398+/-0.165 χ^2/NDF:1351.3/13

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

Left In: 777.503+/-0.166 χ^2/NDF:2336.7/12

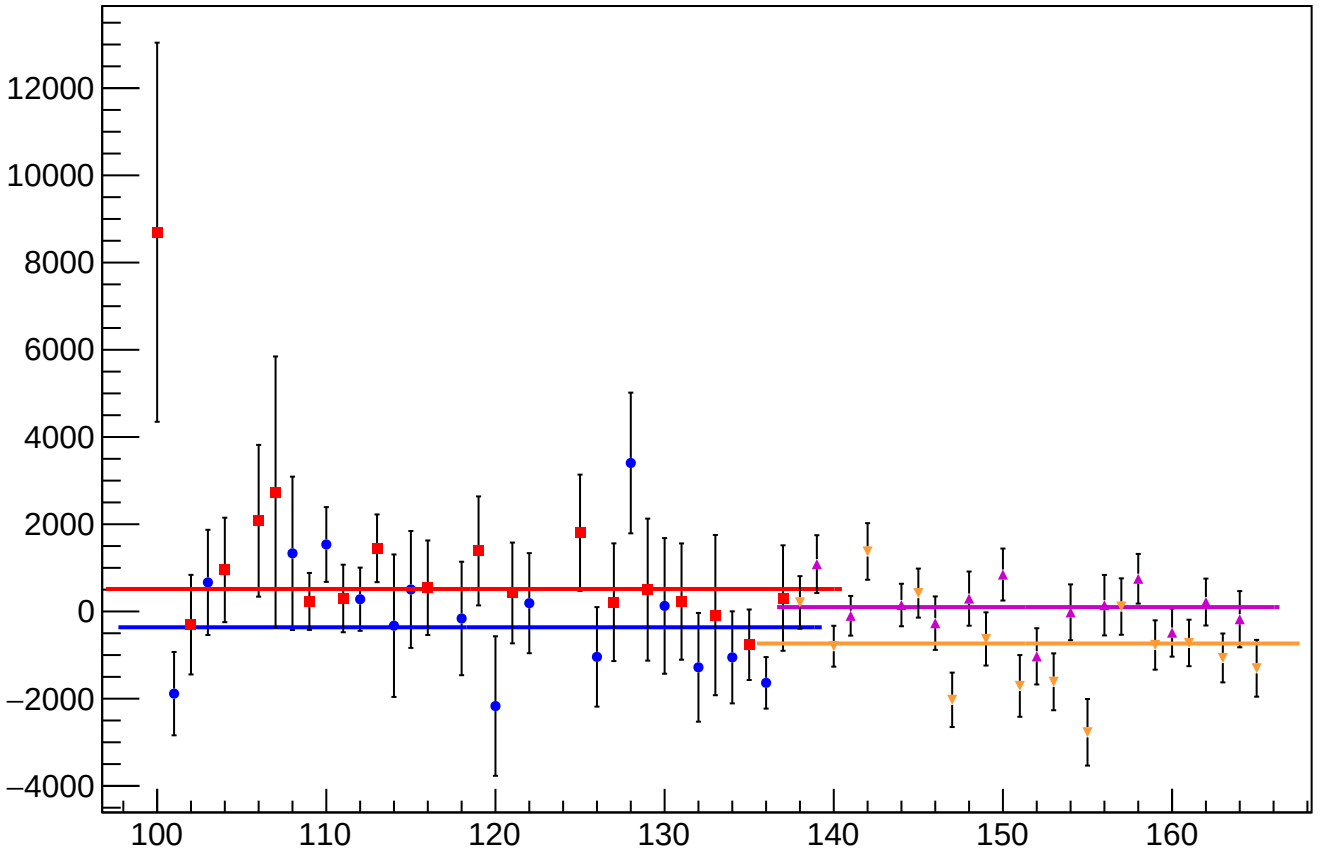
Left: 776.949+/-0.117 χ^2/NDF: 3710.3/26

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

In: 777.268+/-0.129 χ^2/NDF:14465.3/28

Out: 778.253+/-0.128 χ^2/NDF:9253.1/31

All: 777.762+/-0.091 χ^2/NDF: 23747.8/60



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

Left Out: -734.541+/-160.653 χ^2/NDF:35.2/13

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

Left In: 99.996+/-161.033 χ^2/NDF:10.2/12

Left: -318.258+/-113.733 χ^2/NDF: 58.9/26

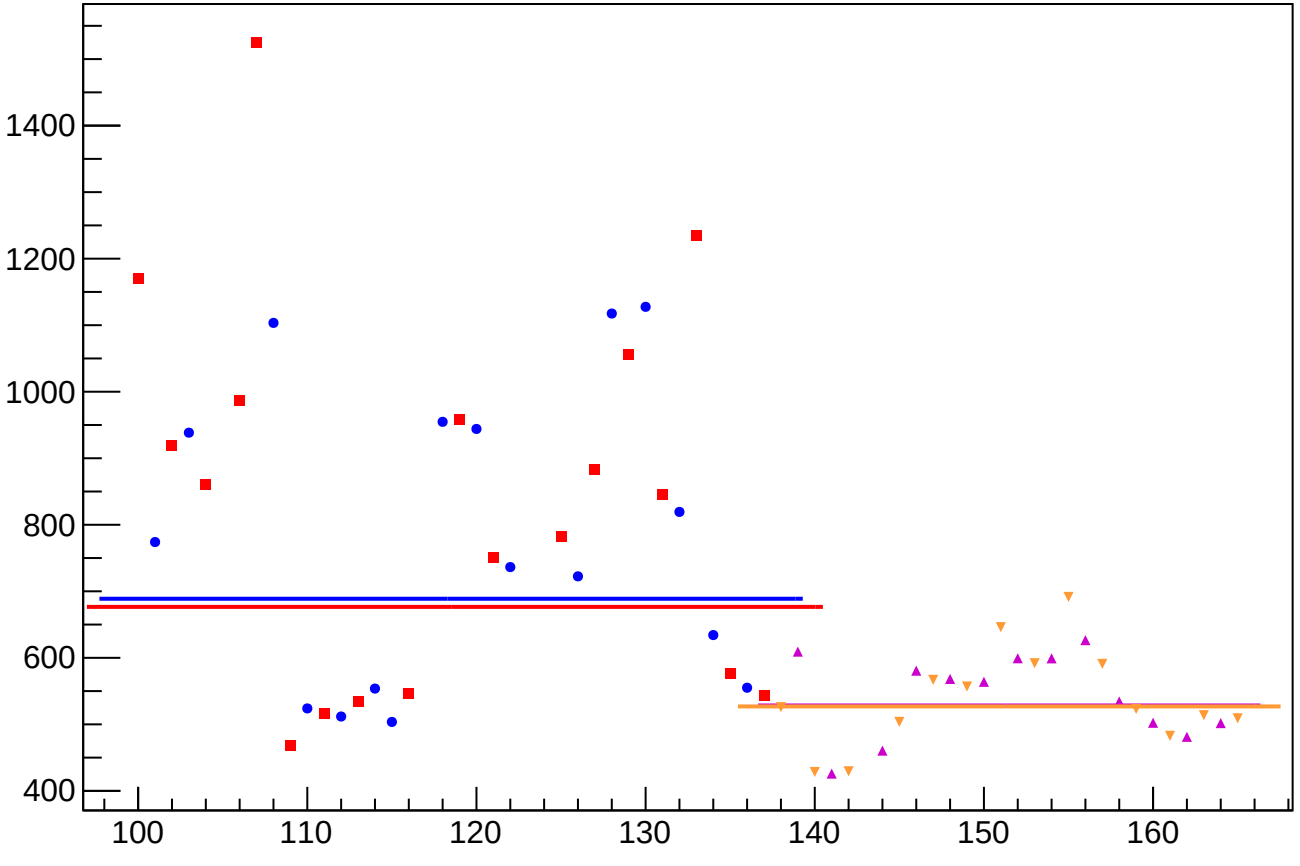
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: -23.390+/-137.906 χ^2/NDF:35.8/28

Out: -395.478+/-137.141 χ^2/NDF:63.0/31

All: -210.469+/-97.243 χ^2/NDF: 102.5/60

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 526.952+/-0.114 χ^2/NDF:355371.9/13

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

Left In: 528.407+/-0.114 χ^2/NDF:312110.6/12

Left: 527.678+/-0.080 χ^2/NDF: 667564.3/26

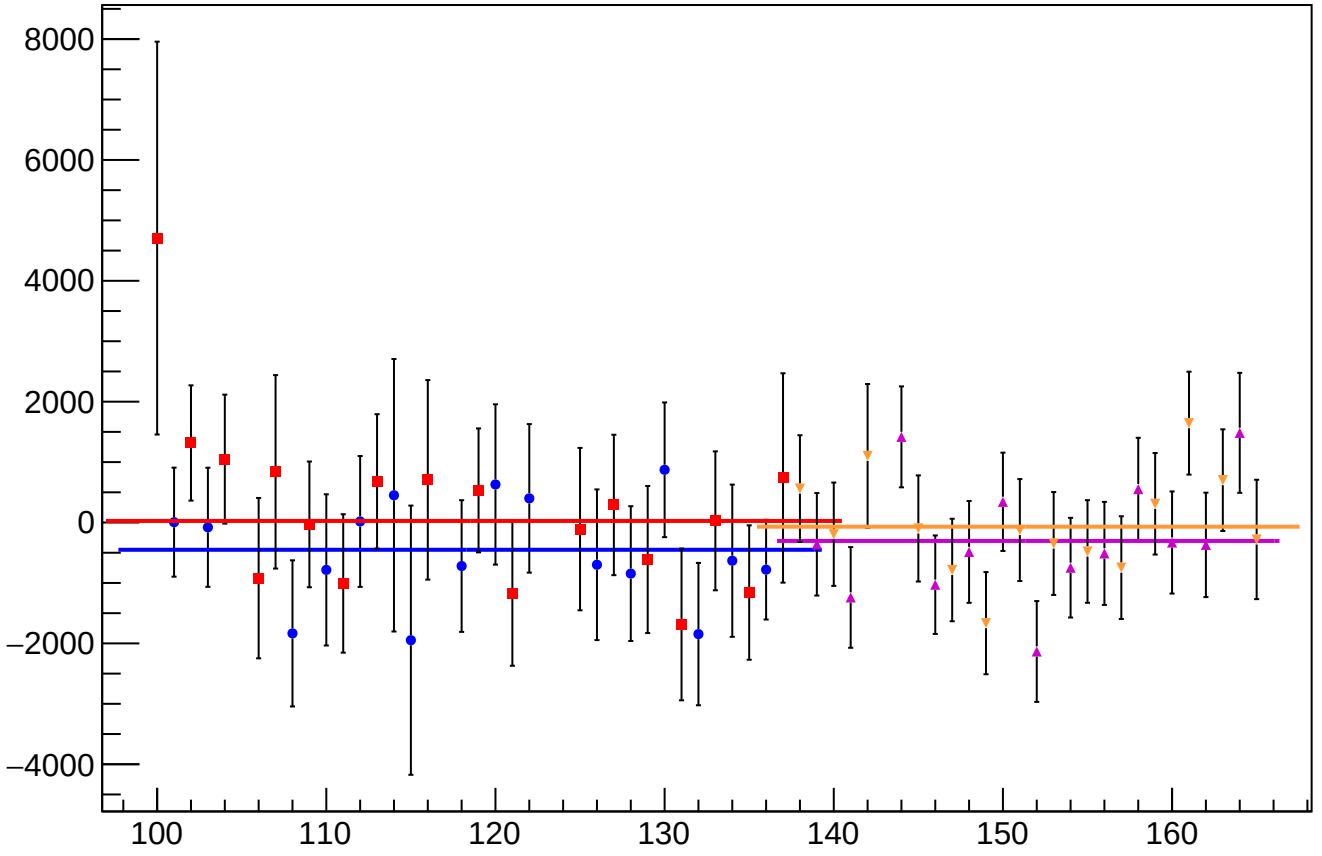
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 571.176+/-0.098 χ^2/NDF:1869394.7/28

Out: 567.542+/-0.097 χ^2/NDF:2134014.3/31

All: 569.349+/-0.069 χ^2/NDF: 4004107.3/60

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

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

Left In: -304.814+/-234.943 χ^2/NDF:16.4/12

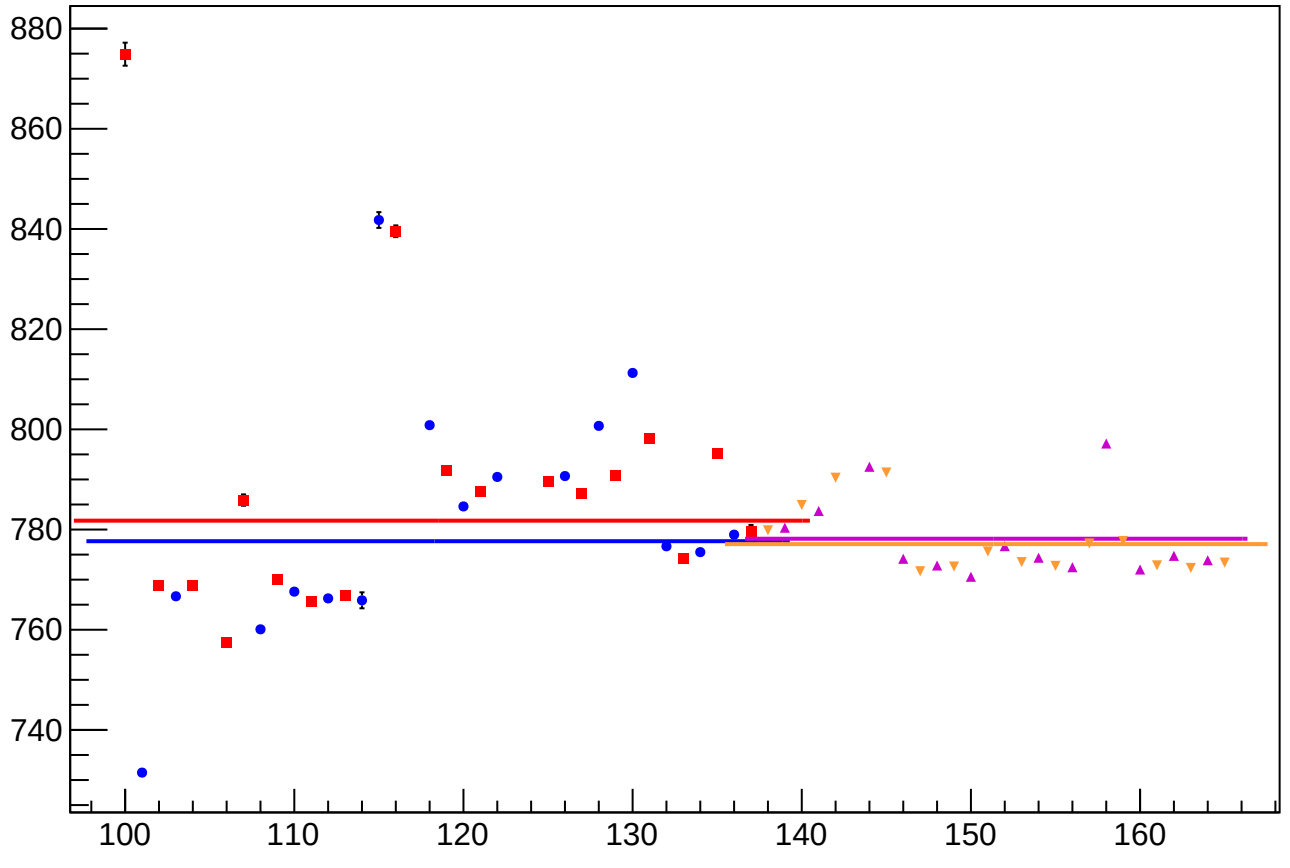
Left: -186.451+/-165.856 χ^2/NDF: 28.8/26

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

In: -362.977+/-182.290 χ^2/NDF:23.5/28

Out: -31.084+/-181.710 χ^2/NDF:23.6/31

All: -196.501+/-128.693 χ^2/NDF: 48.8/60



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

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

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

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

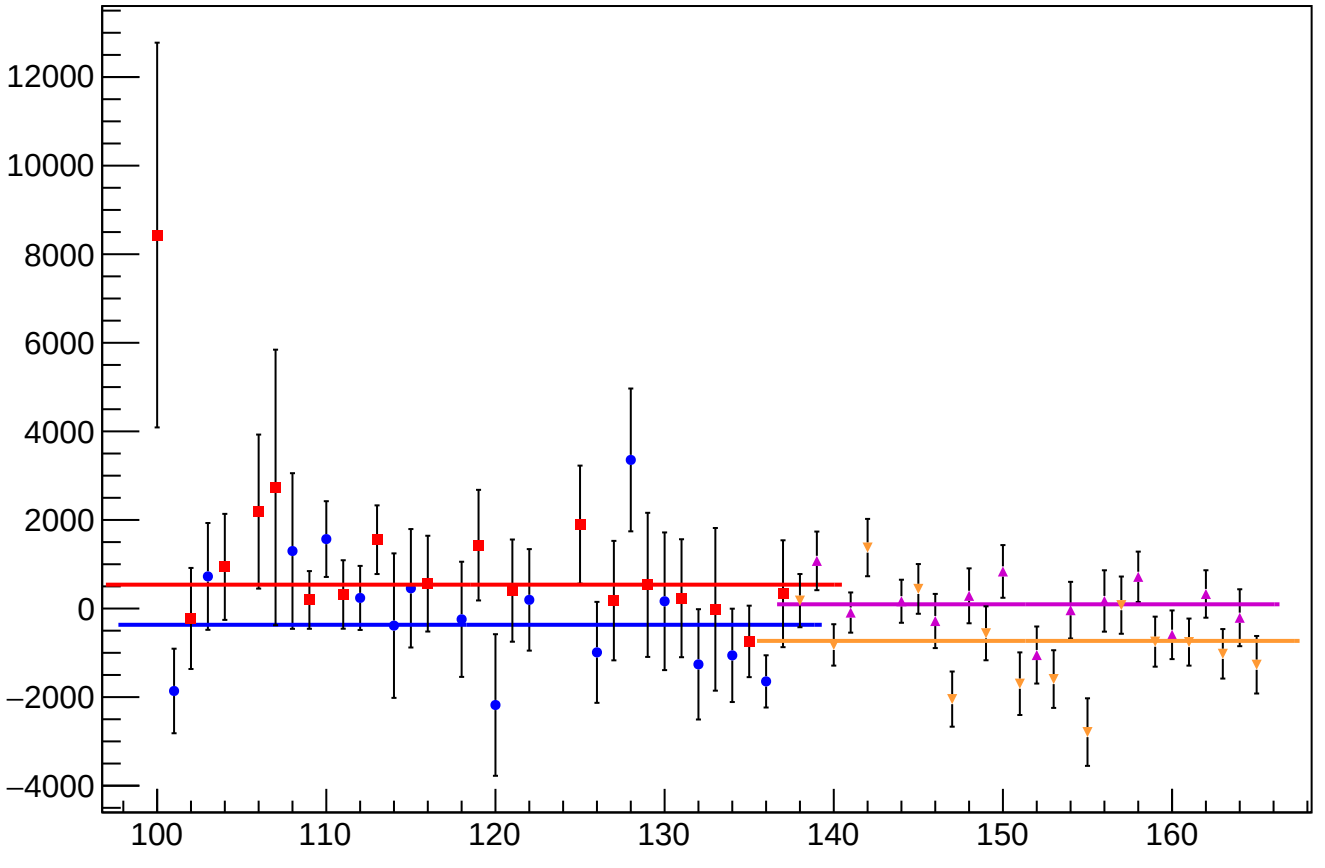
Left: 777.629+/-0.117 χ^2/NDF: 3671.7/26

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

In: 777.971+/-0.129 χ^2/NDF:14370.9/28

Out: 778.957+/-0.128 χ^2/NDF:9283.3/31

All: 778.466+/-0.091 χ^2/NDF: 23683.6/60



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

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

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

Left In: 95.621+/-160.716 χ^2/NDF:10.8/12

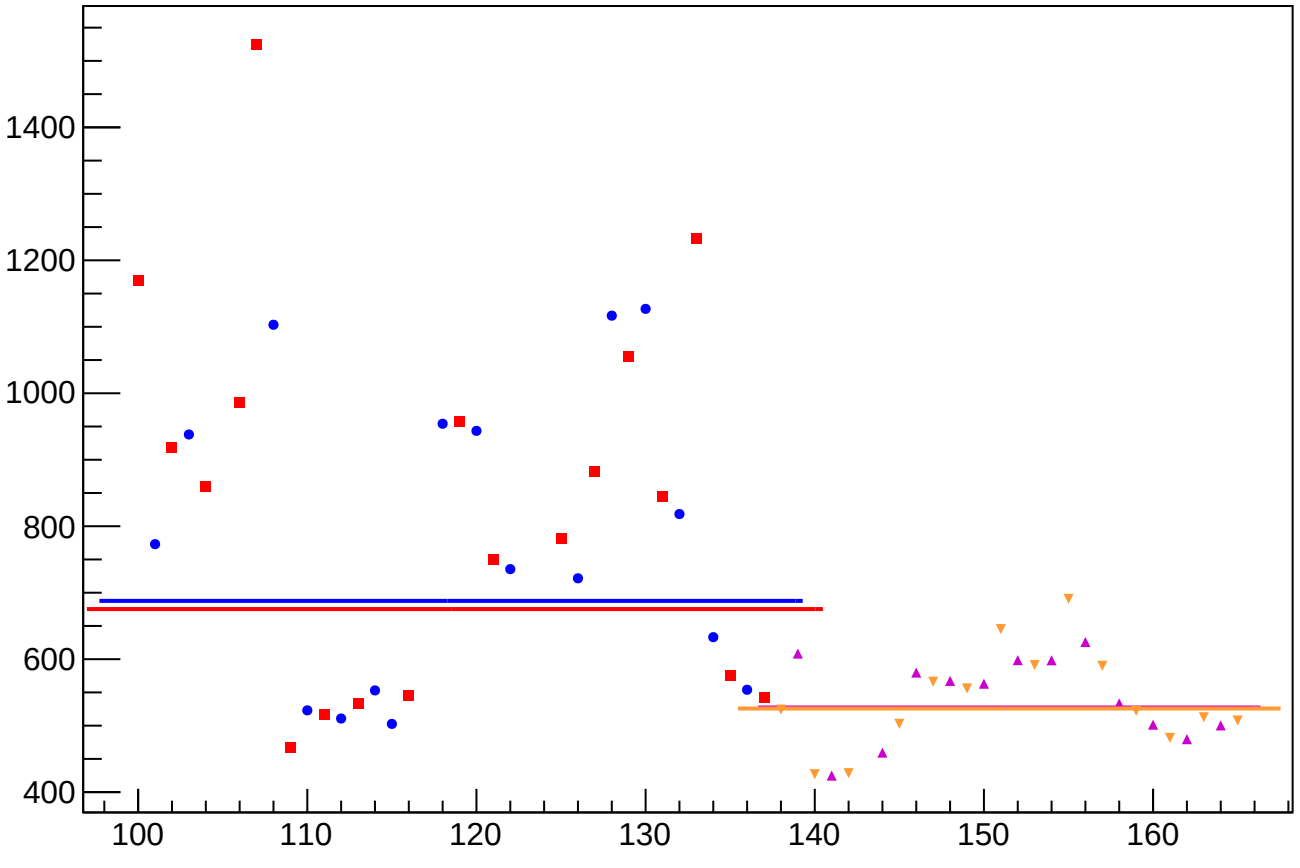
Left: -318.572+/-113.502 χ^2/NDF: 59.3/26

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

In: -27.624+/-137.654 χ^2/NDF:36.3/28

Out: -386.585+/-136.876 χ^2/NDF:63.9/31

All: -208.121+/-97.060 χ^2/NDF: 103.7/60



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

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

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

Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

Left: 526.559+/-0.080 χ^2/NDF: 673270.7/26

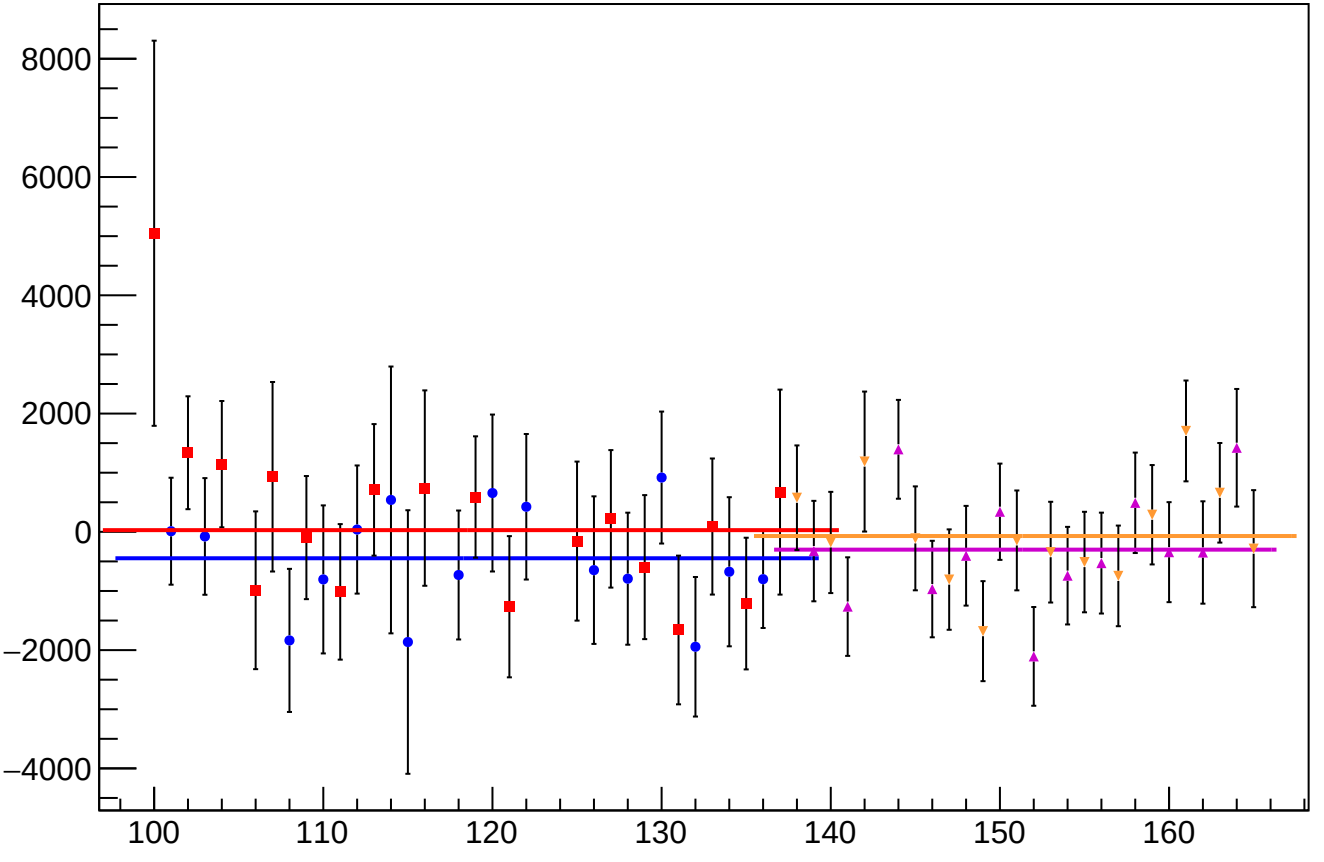
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 570.054+/-0.097 χ^2/NDF:1877329.0/28

Out: 566.349+/-0.097 χ^2/NDF:2143544.0/31

All: 568.191+/-0.069 χ^2/NDF: 4021601.4/60

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -70.631+/-234.358 χ^2/NDF:12.4/13

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

Left In: -301.091+/-235.149 χ^2/NDF:15.7/12

Left: -185.473+/-165.995 χ^2/NDF: 28.5/26

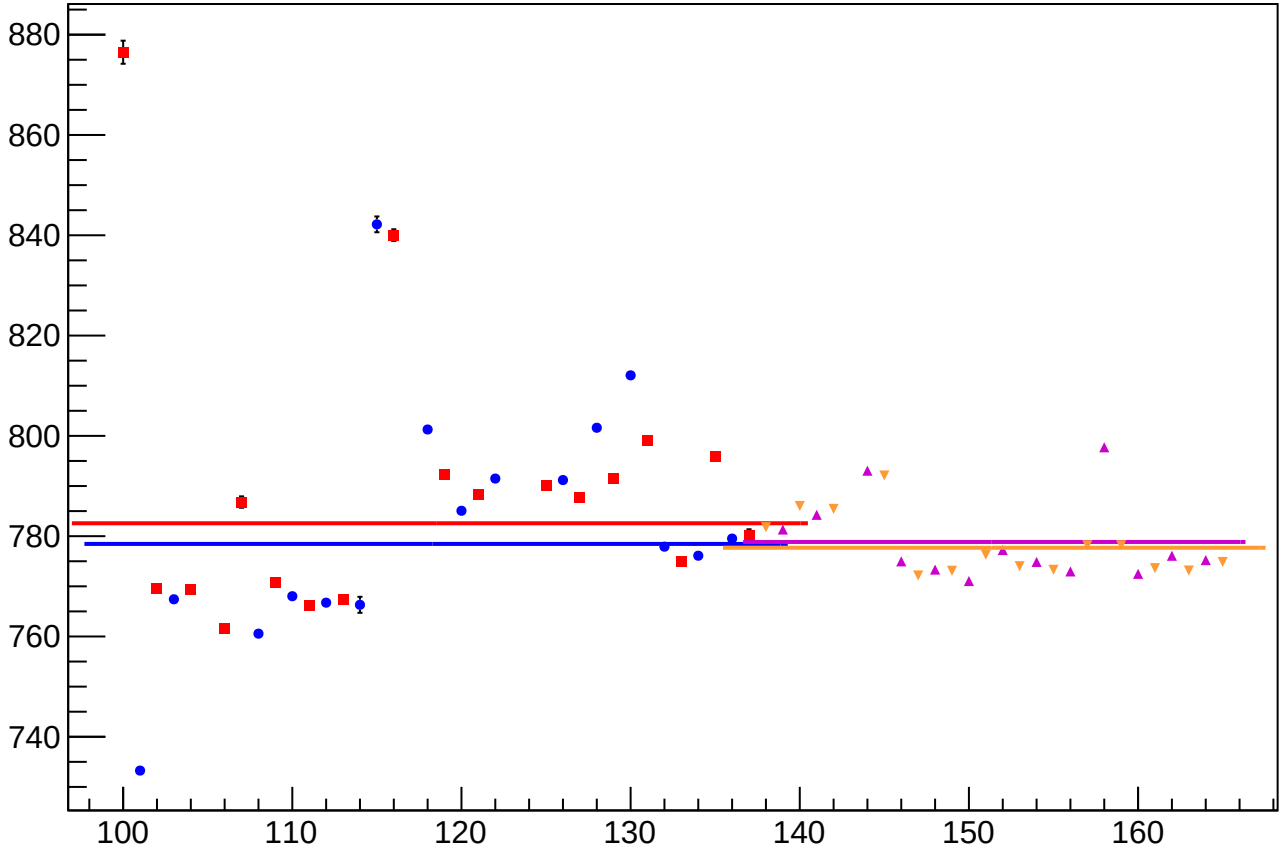
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -359.017+/-182.458 χ^2/NDF:23.1/28

Out: -31.086+/-181.871 χ^2/NDF:25.1/31

All: -194.524+/-128.809 χ^2/NDF: 49.8/60

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.693+/-0.166 χ^2/NDF:1216.8/13

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

Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

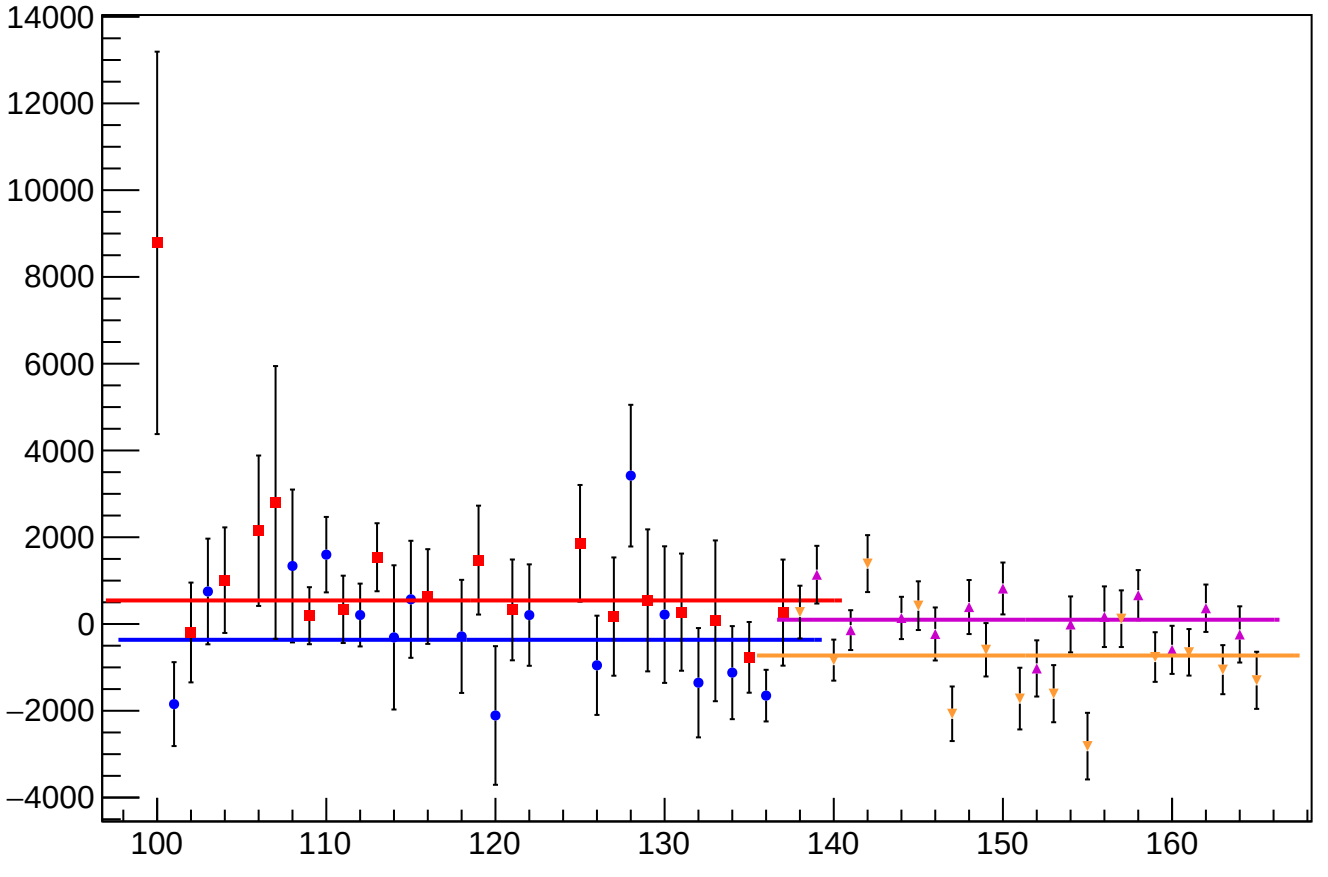
Left: 778.268+/-0.117 χ^2/NDF: 3531.0/26

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

In: 778.691+/-0.129 χ^2/NDF:14087.4/28

Out: 779.635+/-0.129 χ^2/NDF:9043.5/31

All: 779.165+/-0.091 χ^2/NDF: 23157.7/60



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

Left Out: -726.028+/-161.944 χ^2/NDF:35.9/13

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

Left In: 98.494+/-162.052 χ^2/NDF:10.8/12

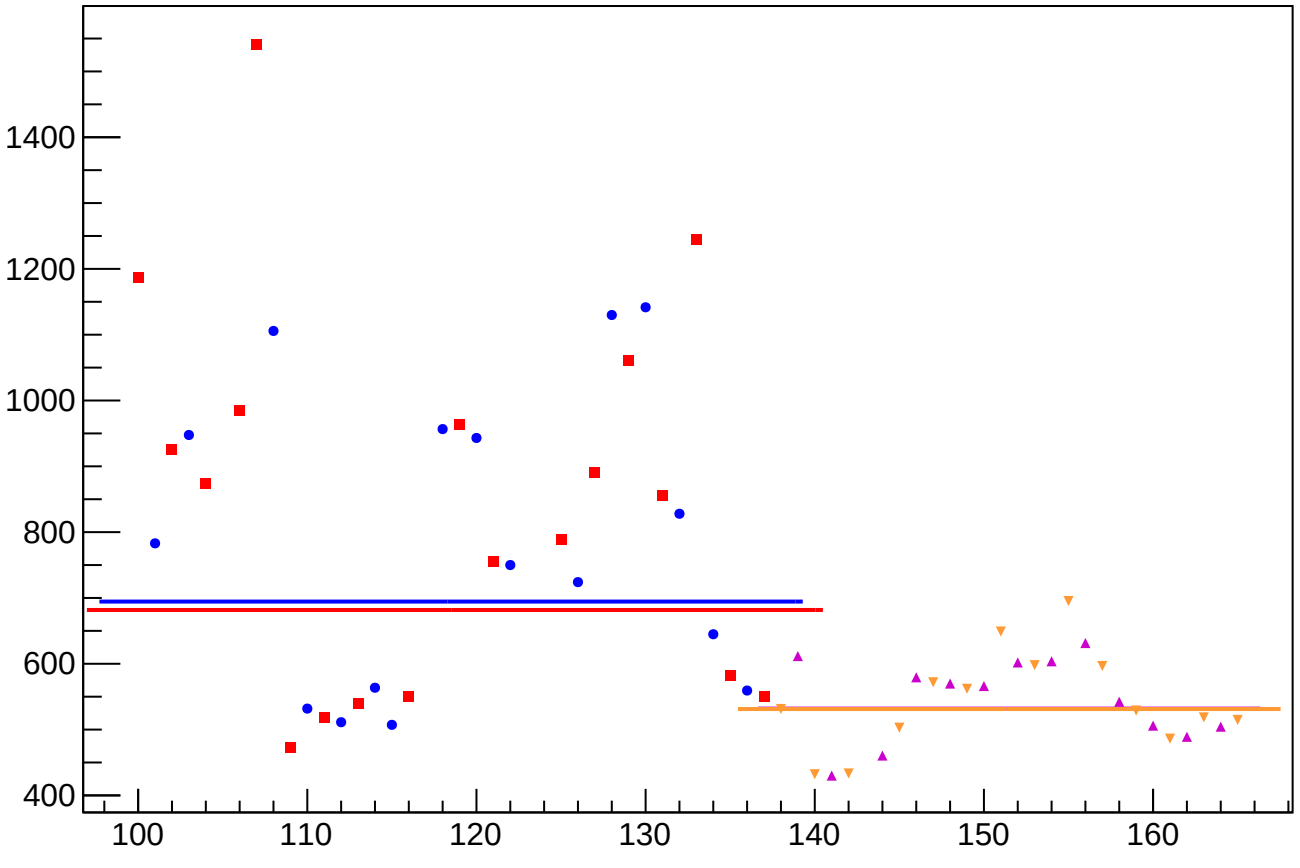
Left: -314.041+/-114.550 χ^2/NDF: 59.6/26

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

In: -24.439+/-138.853 χ^2/NDF:36.2/28

Out: -381.519+/-138.223 χ^2/NDF:64.3/31

All: -203.792+/-97.960 χ^2/NDF: 103.9/60



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

Left Out: 531.230+/-0.115 χ^2/NDF:354049.7/13

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

Left In: 531.899+/-0.115 χ^2/NDF:305800.1/12

Left: 531.564+/-0.081 χ^2/NDF: 659866.9/26

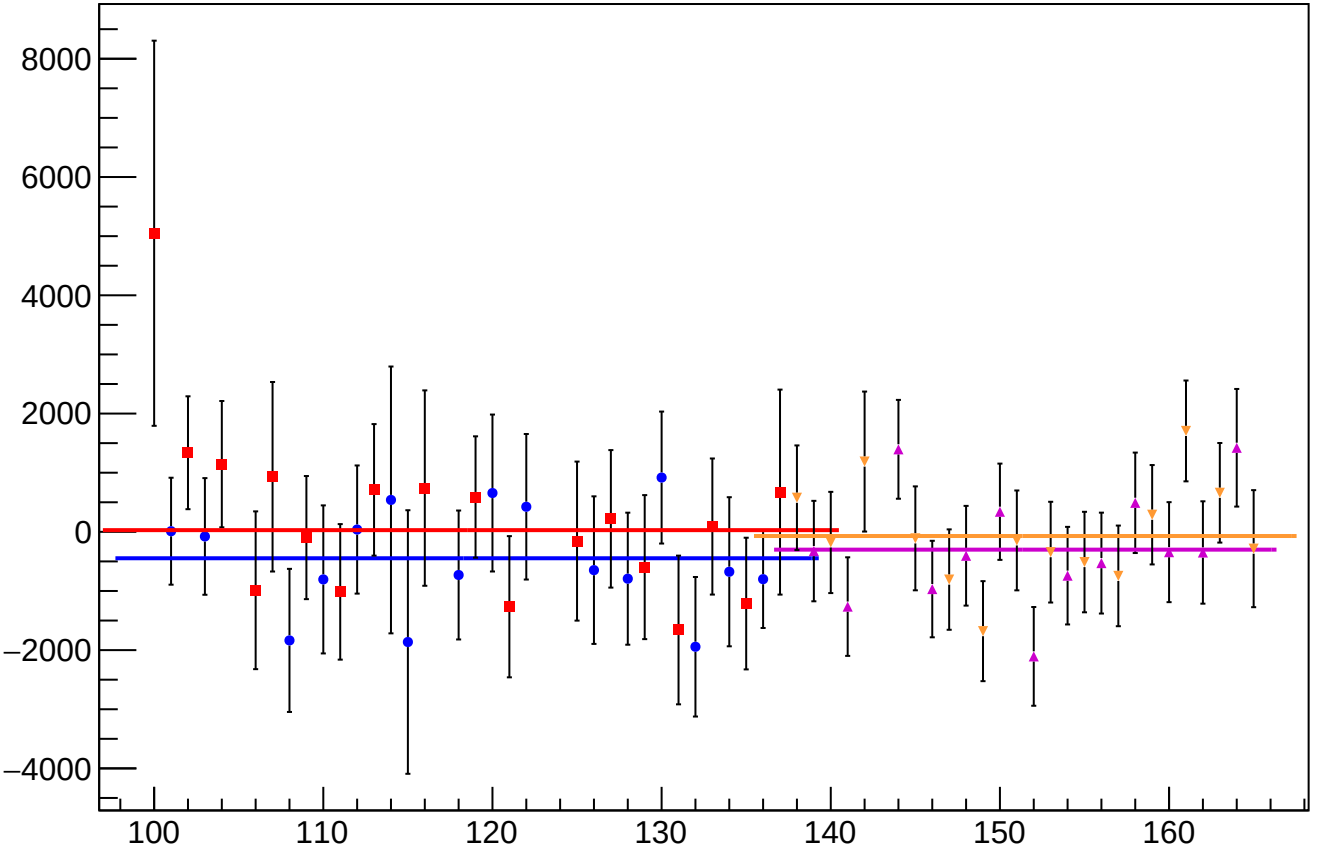
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 575.128+/-0.098 χ^2/NDF:1871078.7/28

Out: 572.094+/-0.098 χ^2/NDF:2134429.6/31

All: 573.604+/-0.069 χ^2/NDF: 4005987.7/60

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -70.631+/-234.358 χ^2/NDF:12.4/13

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

Left In: -301.090+/-235.149 χ^2/NDF:15.7/12

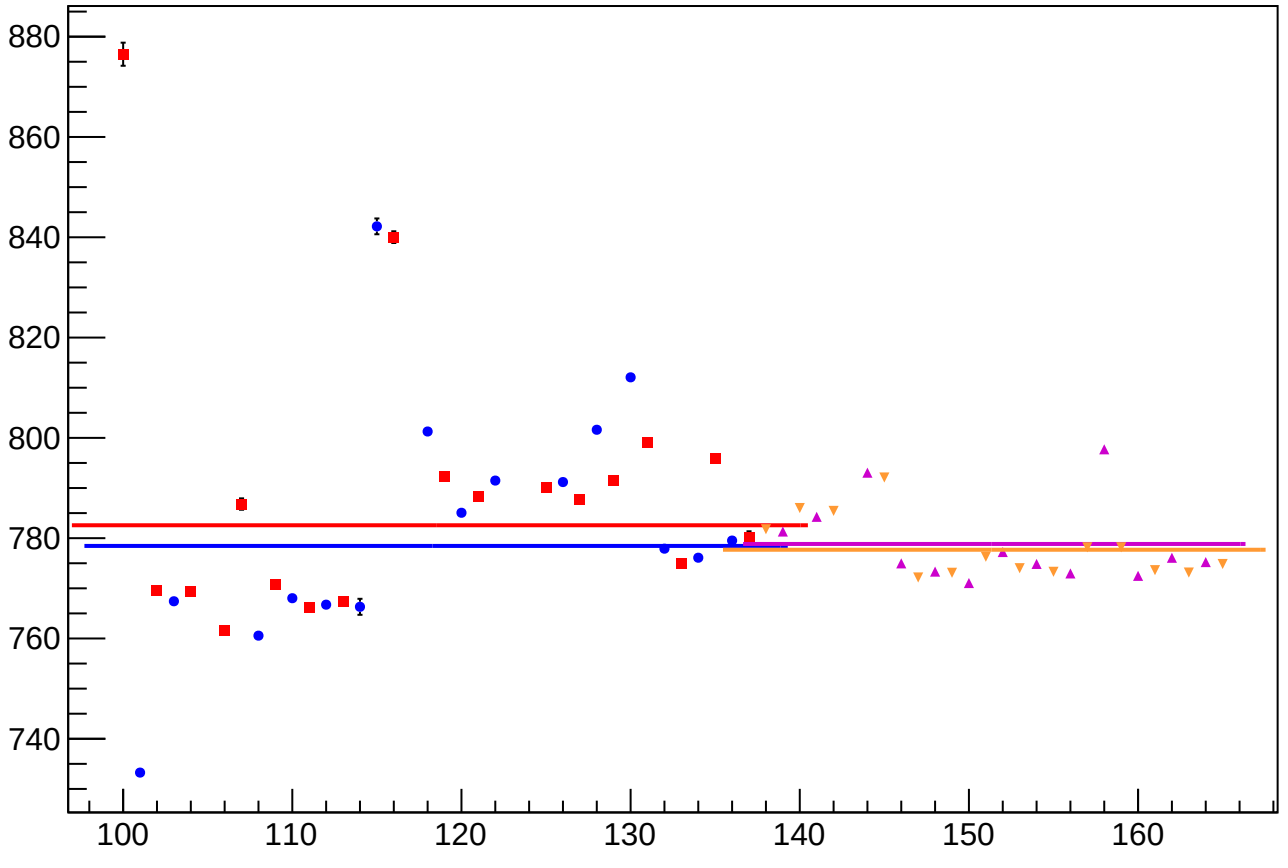
Left: -185.473+/-165.995 χ^2/NDF: 28.5/26

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

In: -359.017+/-182.458 χ^2/NDF:23.1/28

Out: -31.087+/-181.871 χ^2/NDF:25.1/31

All: -194.524+/-128.809 χ^2/NDF: 49.8/60



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

Left Out: 777.693+/-0.166 χ^2/NDF:1216.8/13

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

Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

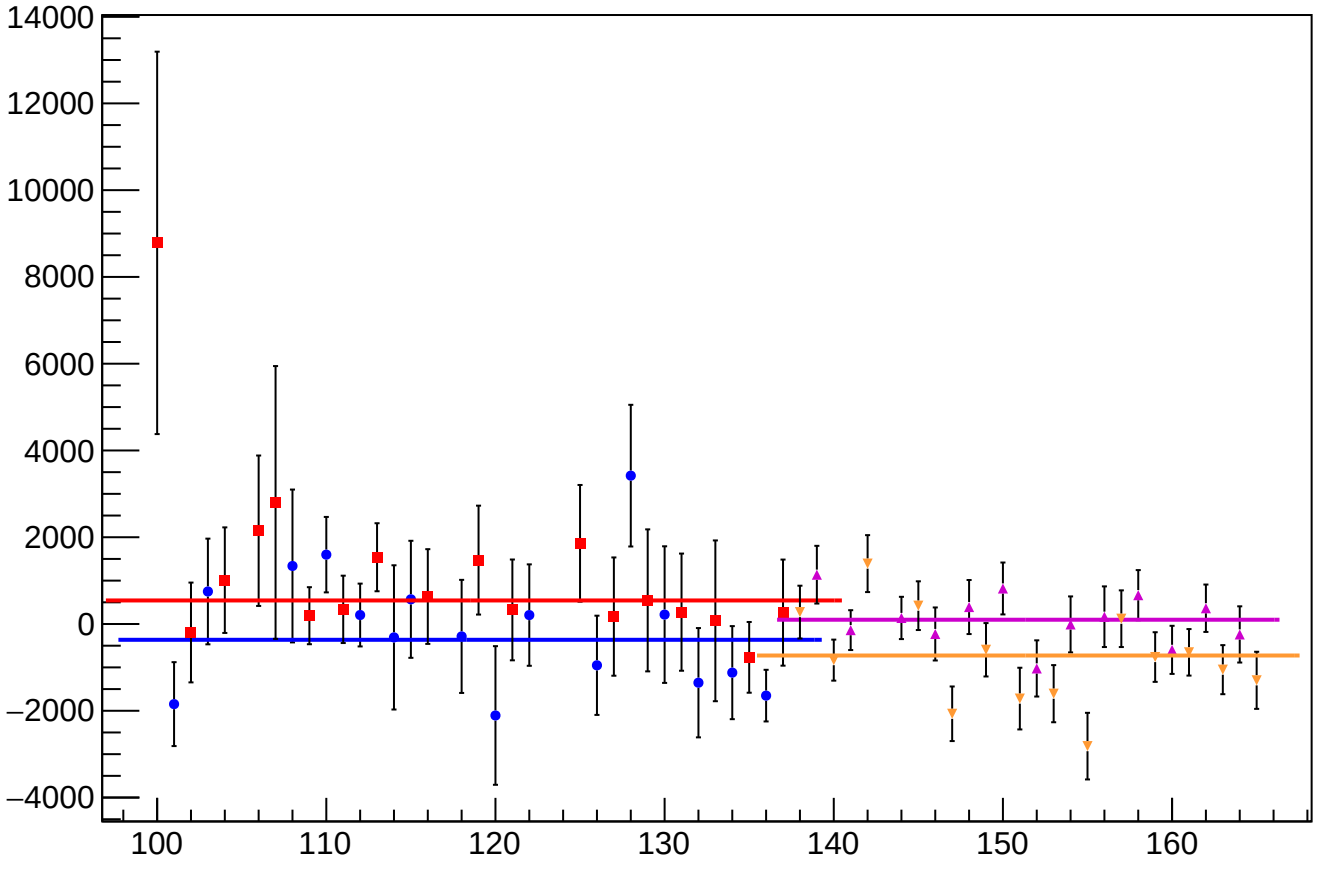
Left: 778.268+/-0.117 χ^2/NDF: 3531.0/26

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

In: 778.691+/-0.129 χ^2/NDF:14087.3/28

Out: 779.635+/-0.129 χ^2/NDF:9043.5/31

All: 779.165+/-0.091 χ^2/NDF: 23157.6/60



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

Left Out: -726.027+/-161.944 χ^2/NDF:35.9/13

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

Left In: 98.493+/-162.052 χ^2/NDF:10.8/12

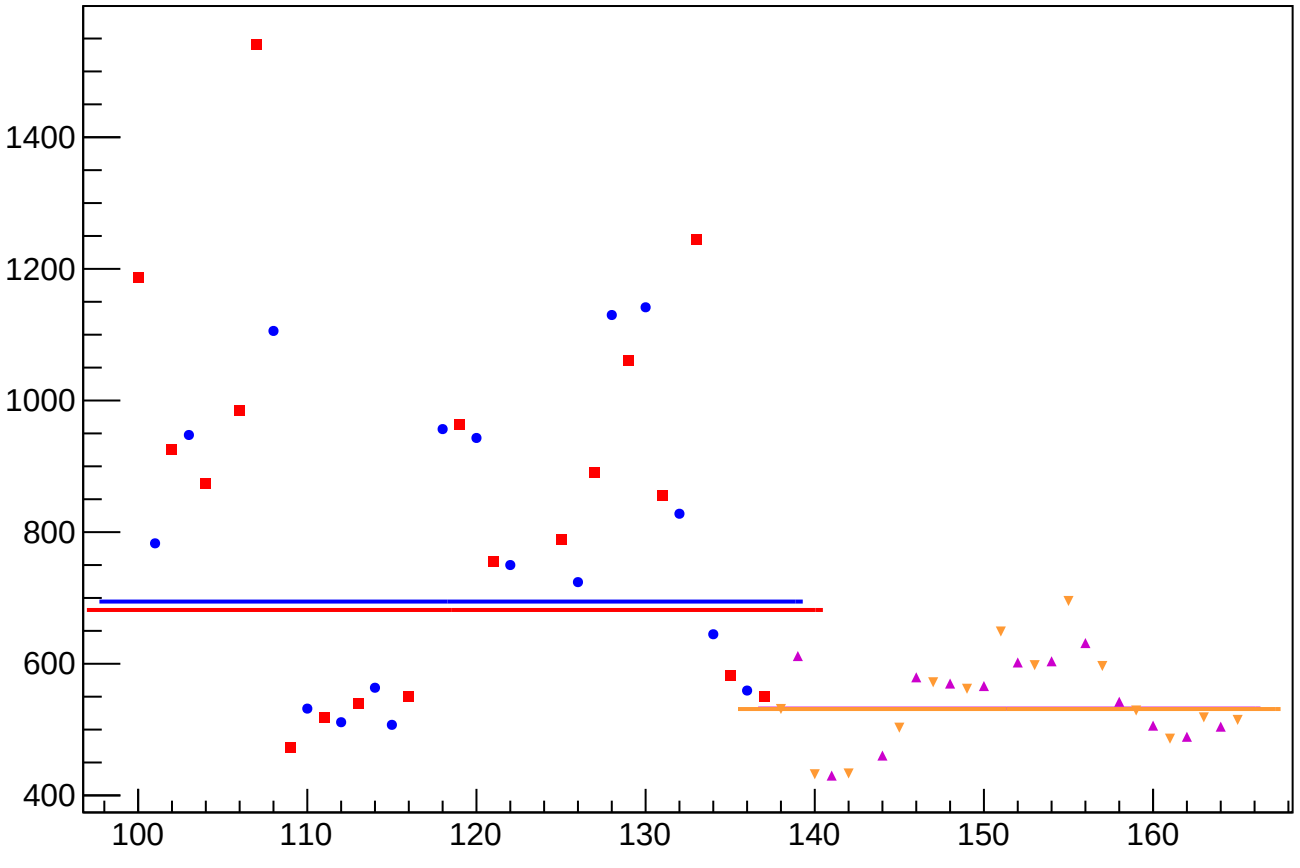
Left: -314.042+/-114.550 χ^2/NDF: 59.6/26

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

In: -24.440+/-138.853 χ^2/NDF:36.2/28

Out: -381.517+/-138.222 χ^2/NDF:64.3/31

All: -203.791+/-97.960 χ^2/NDF: 103.9/60



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

Left Out: 531.230+/-0.115 χ^2/NDF:354062.3/13

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

Left In: 531.900+/-0.115 χ^2/NDF:305812.5/12

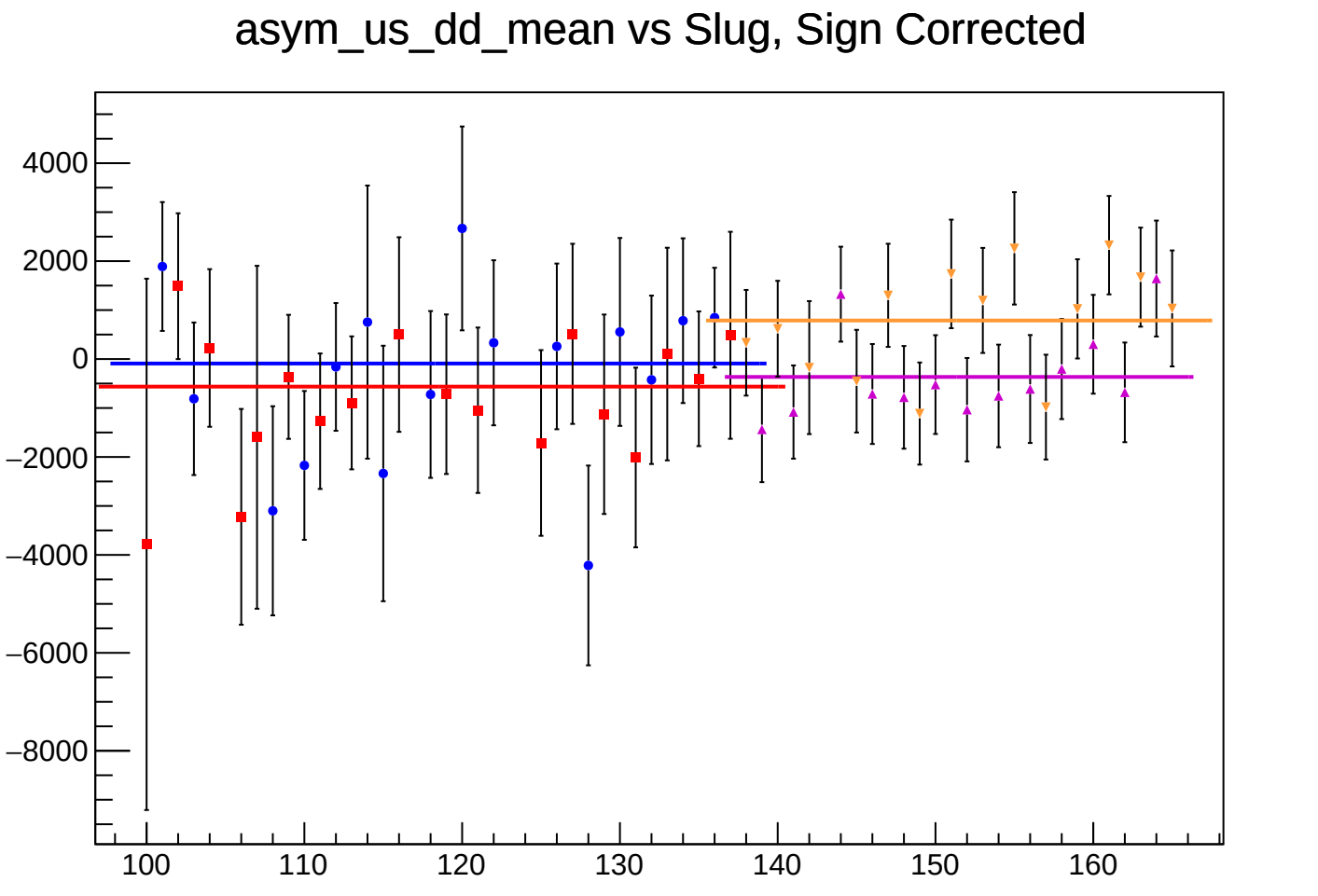
Left: 531.564+/-0.081 χ^2/NDF: 659891.9/26

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

In: 575.127+/-0.098 χ^2/NDF:1871082.4/28

Out: 572.094+/-0.098 χ^2/NDF:2134444.1/31

All: 573.604+/-0.069 χ^2/NDF: 4006006.0/60



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

Left Out: 787.335+/-286.890 χ^2/NDF:14.1/13

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

Left In: -365.405+/-287.103 χ^2/NDF:8.9/12

Left: 211.392+/-202.937 χ^2/NDF: 31.1/26

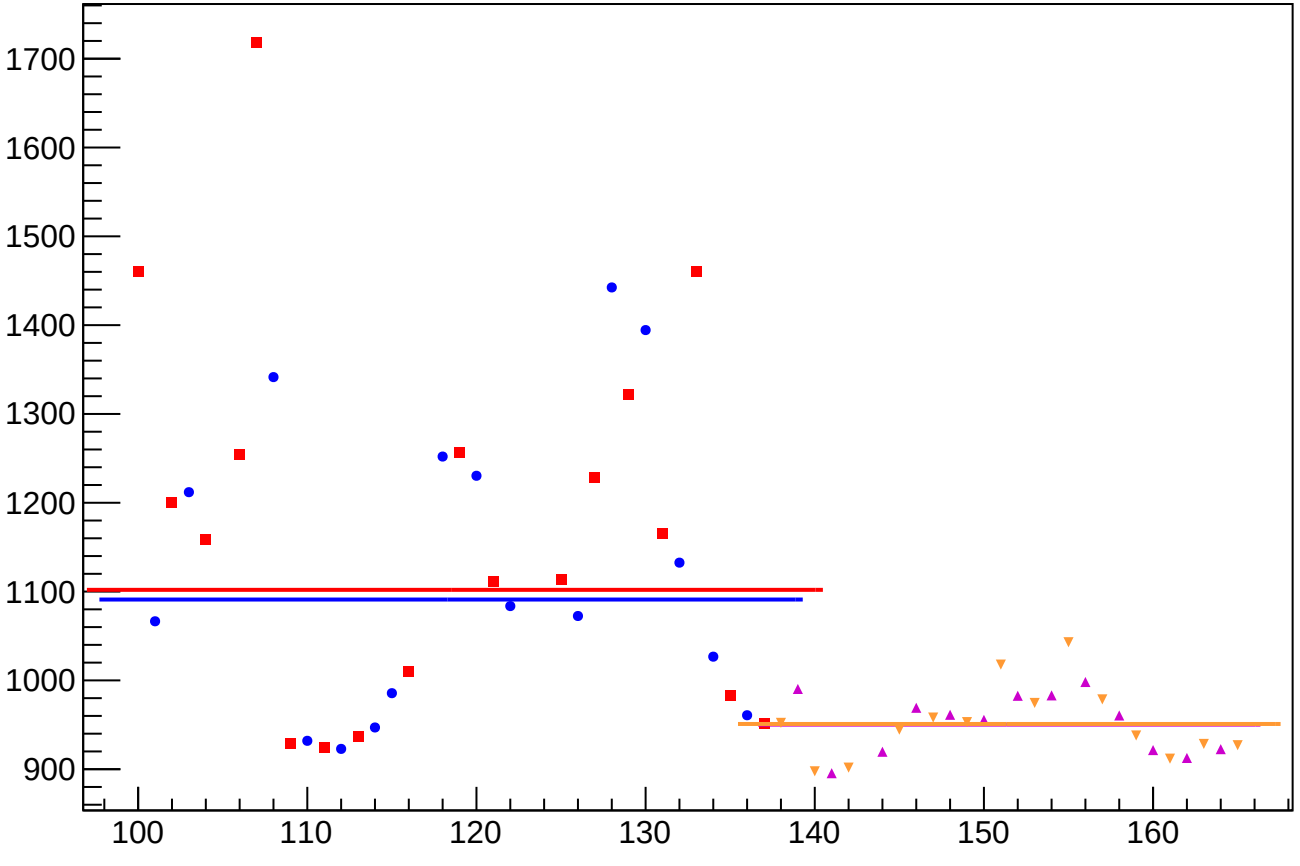
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -275.208+/-235.168 χ^2/NDF:23.8/28

Out: 345.665+/-235.353 χ^2/NDF:27.9/31

All: 34.984+/-166.354 χ^2/NDF: 55.1/60

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 950.931+/-0.203 χ^2/NDF:36350.1/13

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

Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

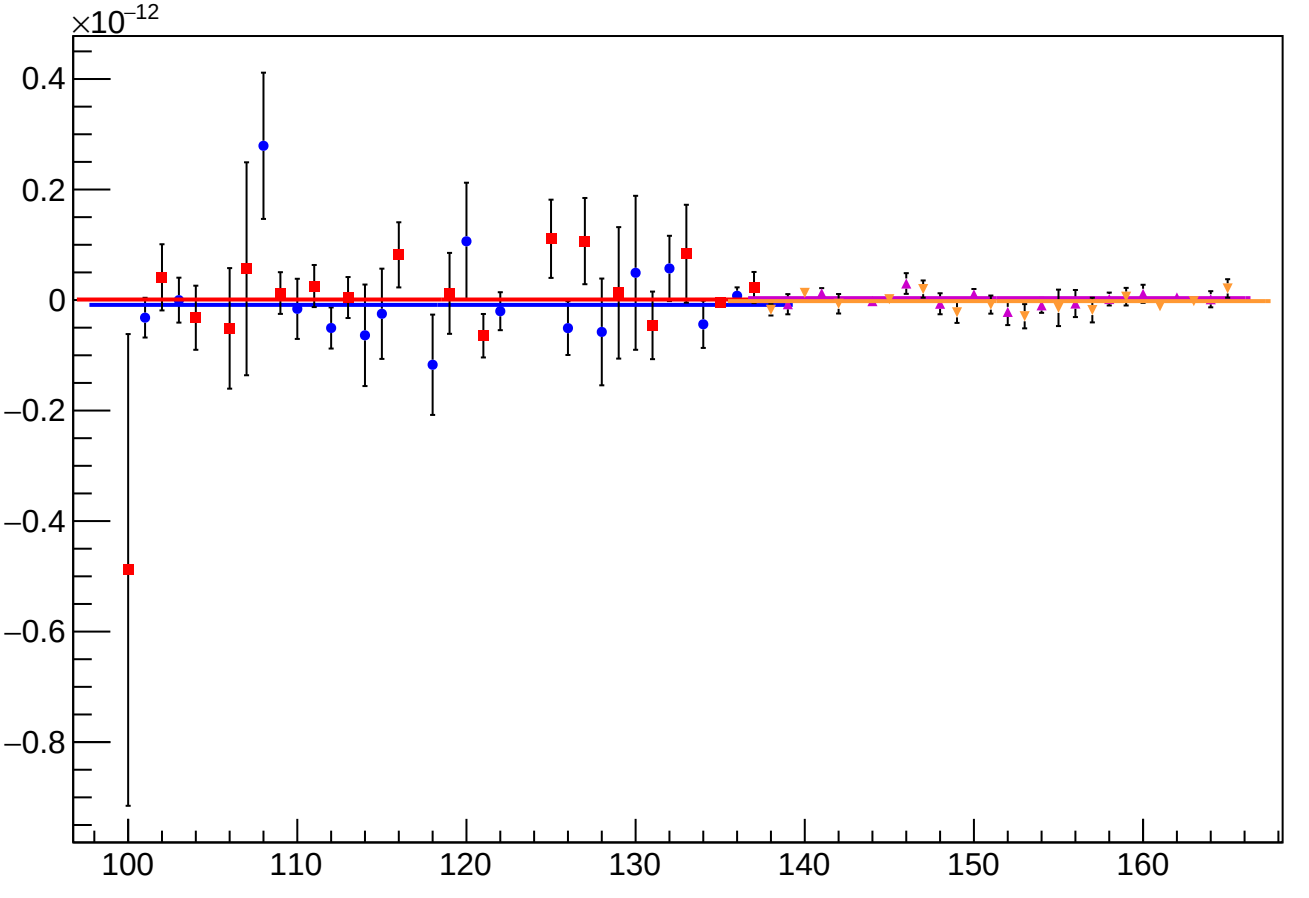
Left: 950.561+/-0.143 χ^2/NDF: 61988.3/26

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

In: 996.539+/-0.166 χ^2/NDF:461336.3/28

Out: 1000.317+/-0.166 χ^2/NDF:545692.9/31

All: 998.426+/-0.118 χ^2/NDF: 1007287.0/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/13

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

Left In: 0.000+/-0.000 χ^2/NDF:6.9/12

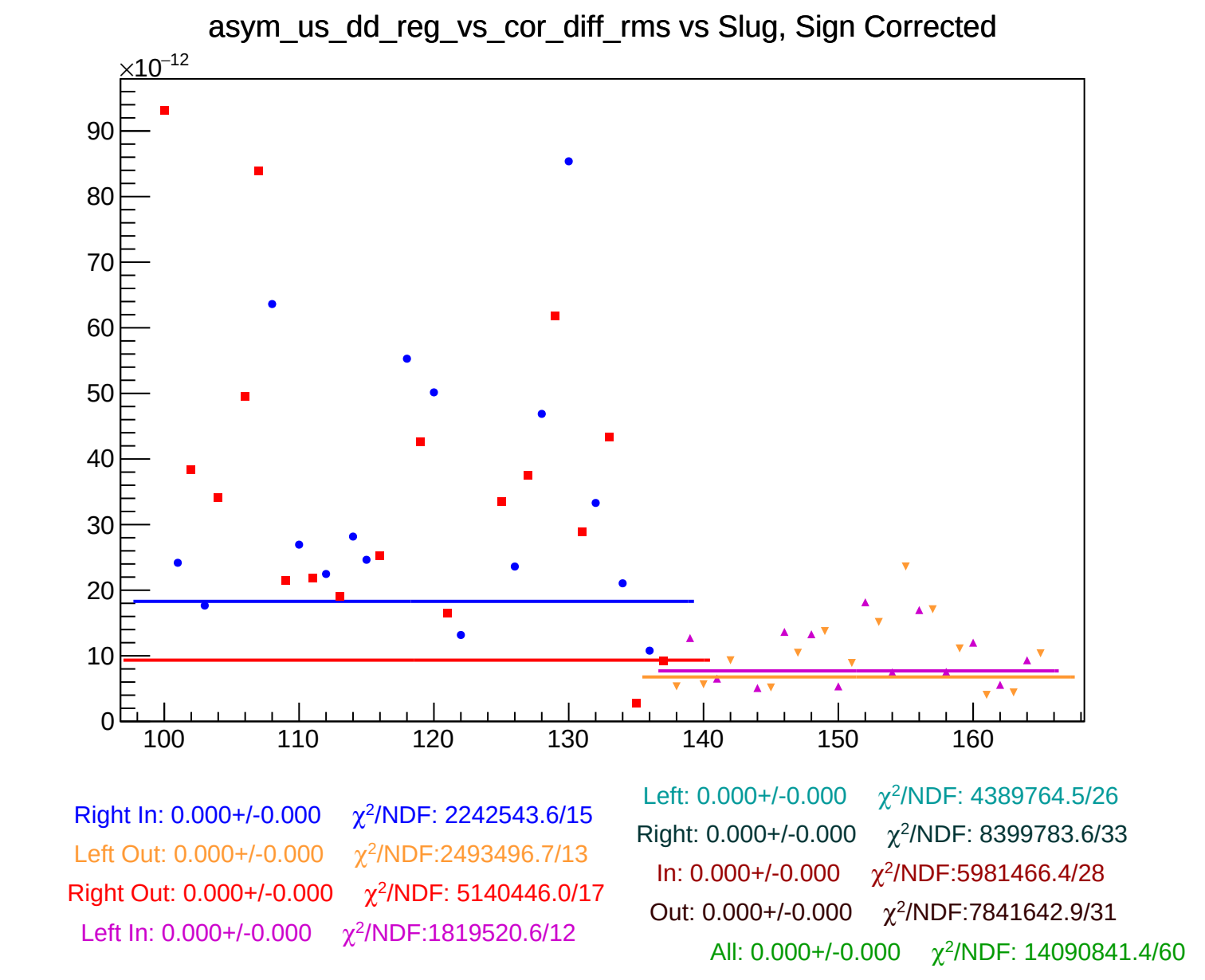
Left: 0.000+/-0.000 χ^2/NDF: 23.6/26

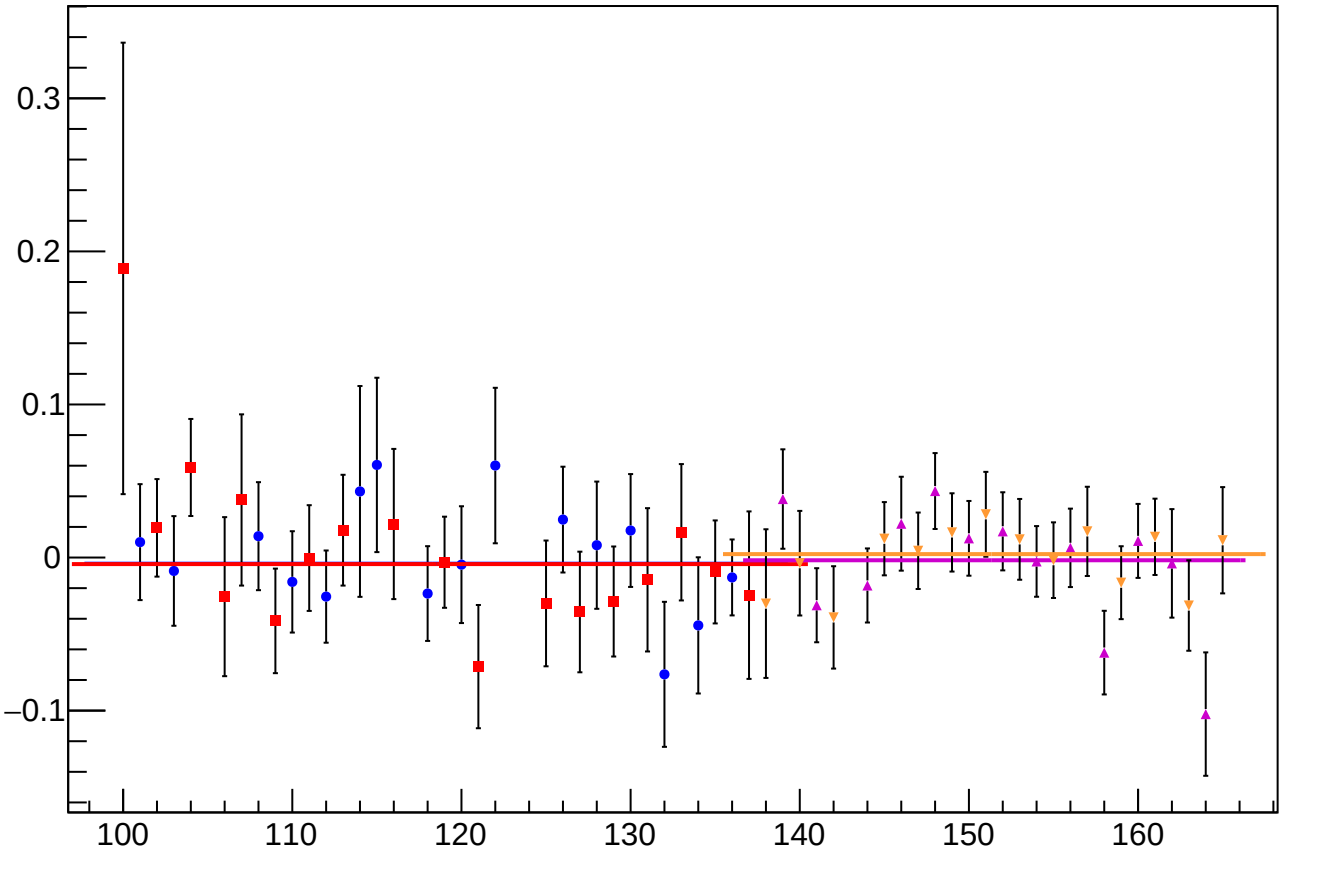
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

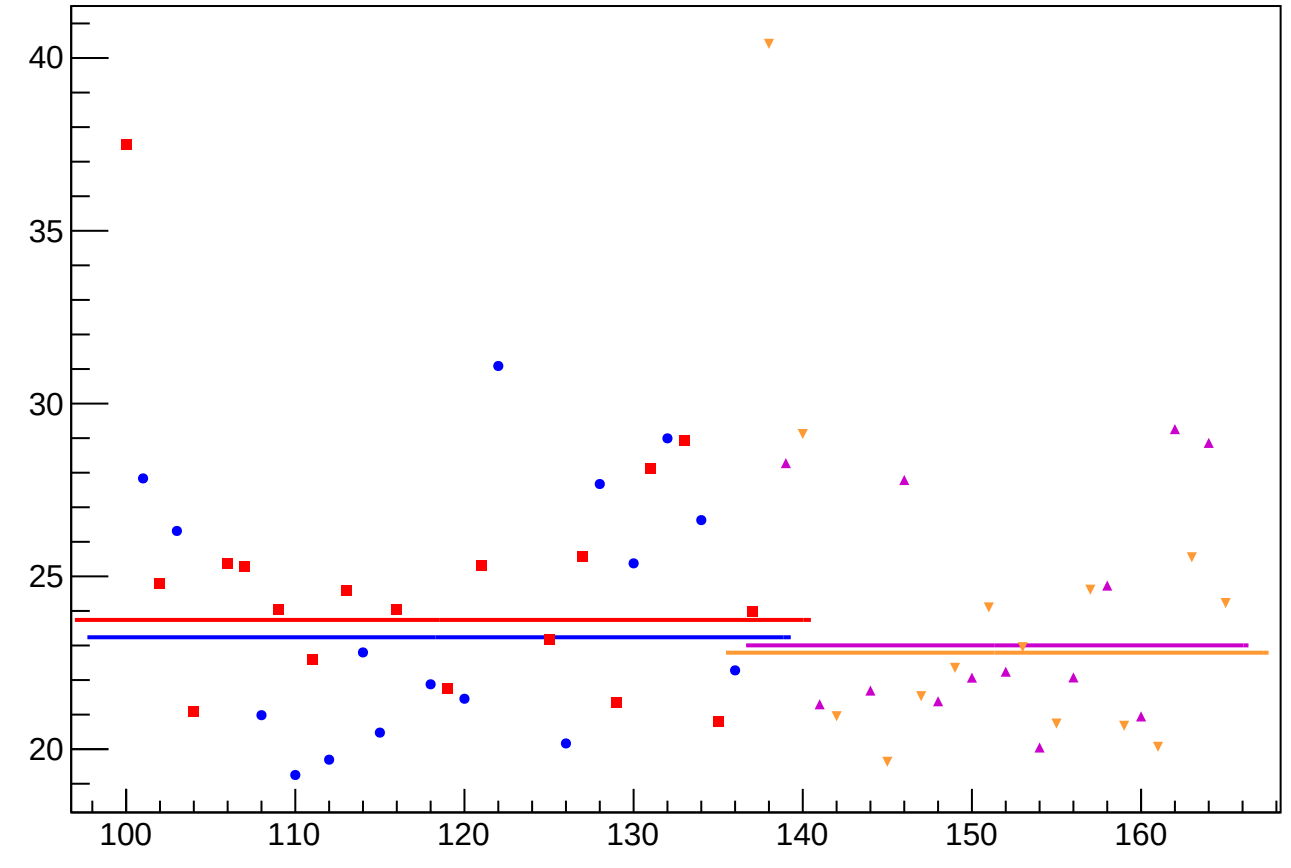
In: 0.000+/-0.000 χ^2/NDF:22.0/28

Out: -0.000+/-0.000 χ^2/NDF:29.8/31

All: 0.000+/-0.000 χ^2/NDF: 52.5/60


asym_us_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2493496.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1819520.6/12
Left: 0.000+/-0.000 χ²/NDF: 4389764.5/26
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5981466.4/28
Out: 0.000+/-0.000 χ²/NDF:7841642.9/31
All: 0.000+/-0.000 χ²/NDF: 14090841.4/60


asym_us_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.002+/-0.007 χ²/NDF:6.0/13
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.002+/-0.007 χ²/NDF:19.8/12
Left: 0.000+/-0.005 χ²/NDF: 25.9/26
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.003+/-0.006 χ²/NDF:29.0/28
Out: -0.000+/-0.006 χ²/NDF:19.8/31
All: -0.001+/-0.004 χ²/NDF: 48.8/60



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 22.792+/-0.005 χ^2/NDF:465042.3/13

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

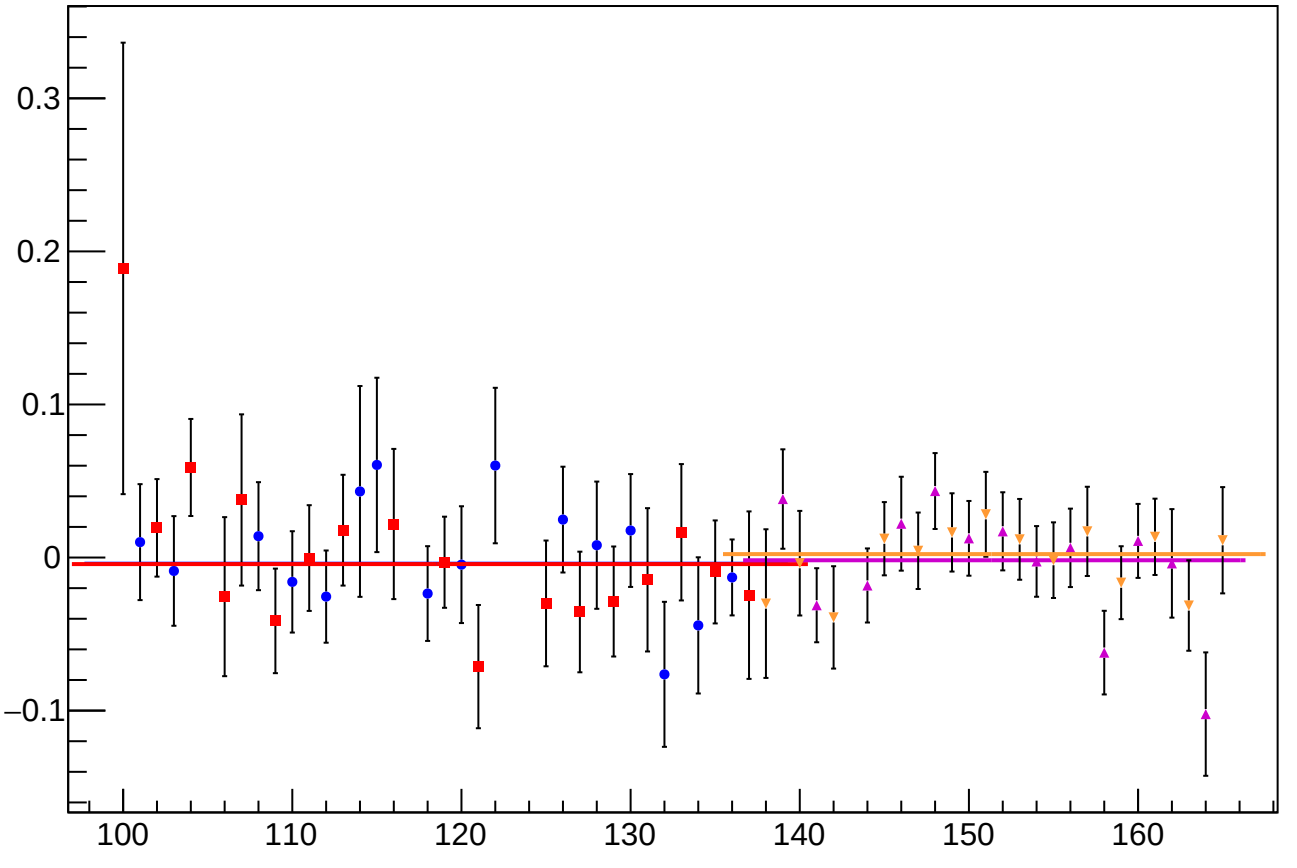
Left: 22.898+/-0.004 χ^2/NDF: 758718.7/26

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.095+/-0.004 χ^2/NDF:552878.3/28

Out: 23.162+/-0.004 χ^2/NDF:603859.6/31

All: 23.129+/-0.003 χ^2/NDF: 1156871.2/60



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

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/12

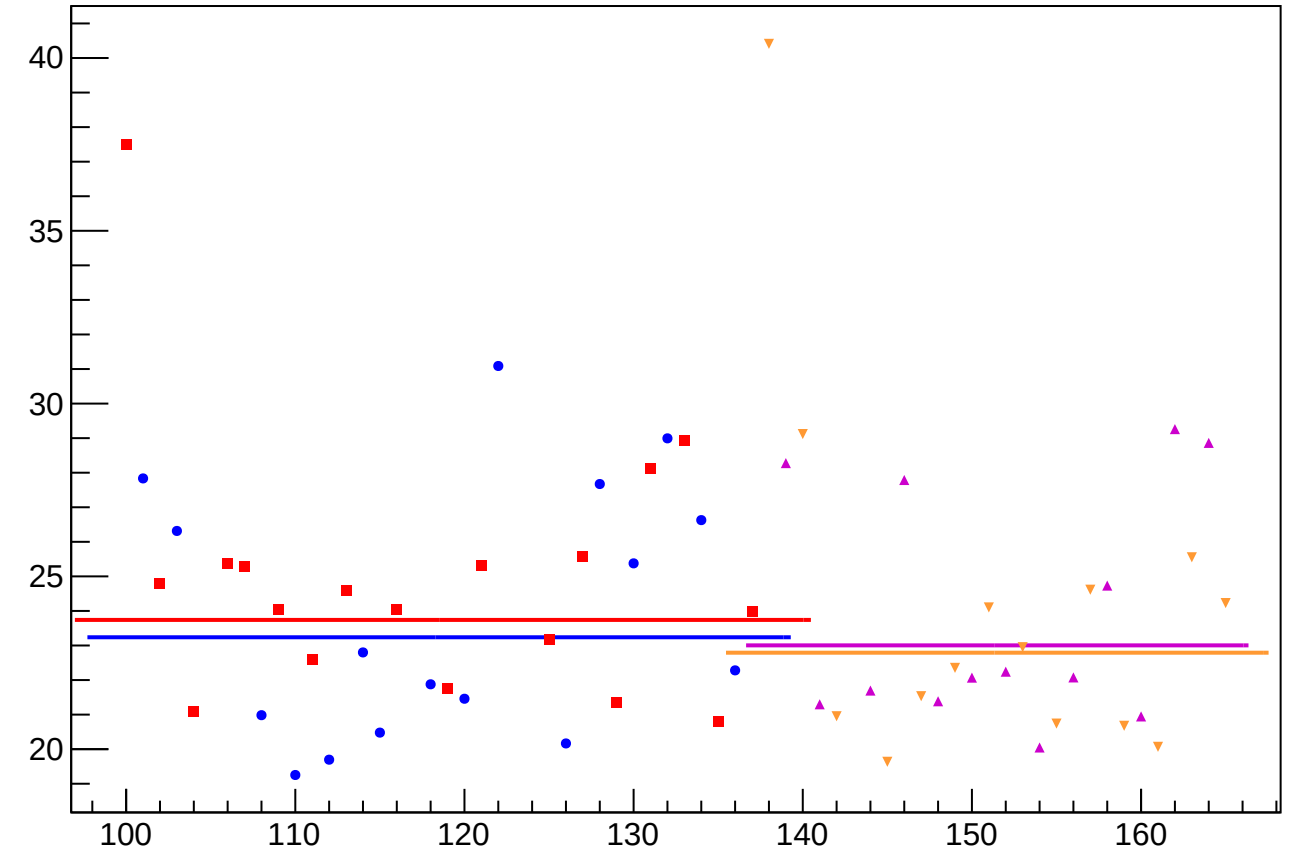
Left: 0.000+/-0.005 χ^2/NDF: 25.9/26

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

In: -0.003+/-0.006 χ^2/NDF:29.0/28

Out: -0.000+/-0.006 χ^2/NDF:19.8/31

All: -0.001+/-0.004 χ^2/NDF: 48.8/60



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 22.792+/-0.005 χ^2/NDF:465042.3/13

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

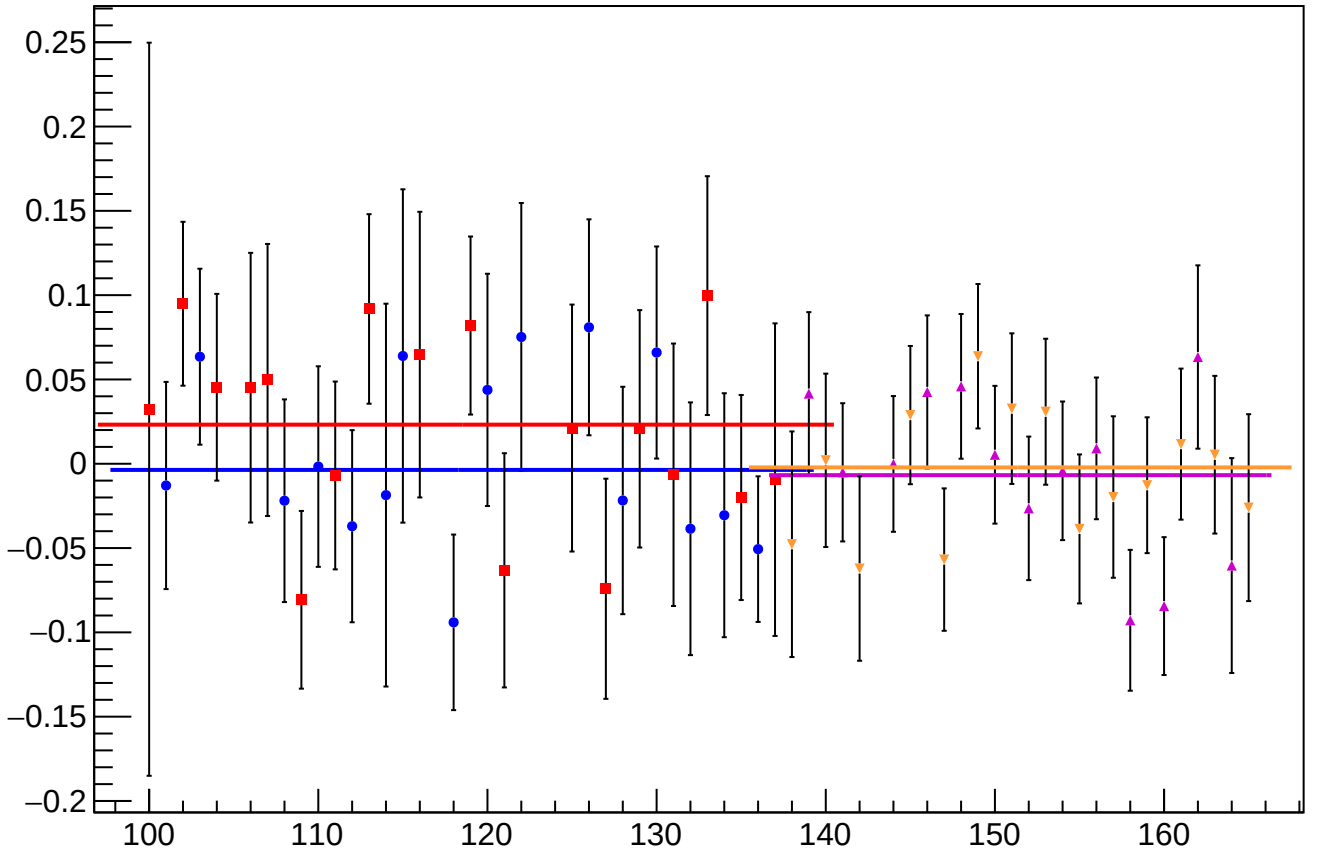
Left: 22.898+/-0.004 χ^2/NDF: 758718.7/26

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.095+/-0.004 χ^2/NDF:552878.3/28

Out: 23.162+/-0.004 χ^2/NDF:603859.6/31

All: 23.129+/-0.003 χ^2/NDF: 1156871.2/60



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

Left Out: -0.002+/-0.012 χ^2/NDF:8.7/13

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

Left In: -0.007+/-0.012 χ^2/NDF:14.4/12

Left: -0.005+/-0.009 χ^2/NDF: 23.1/26

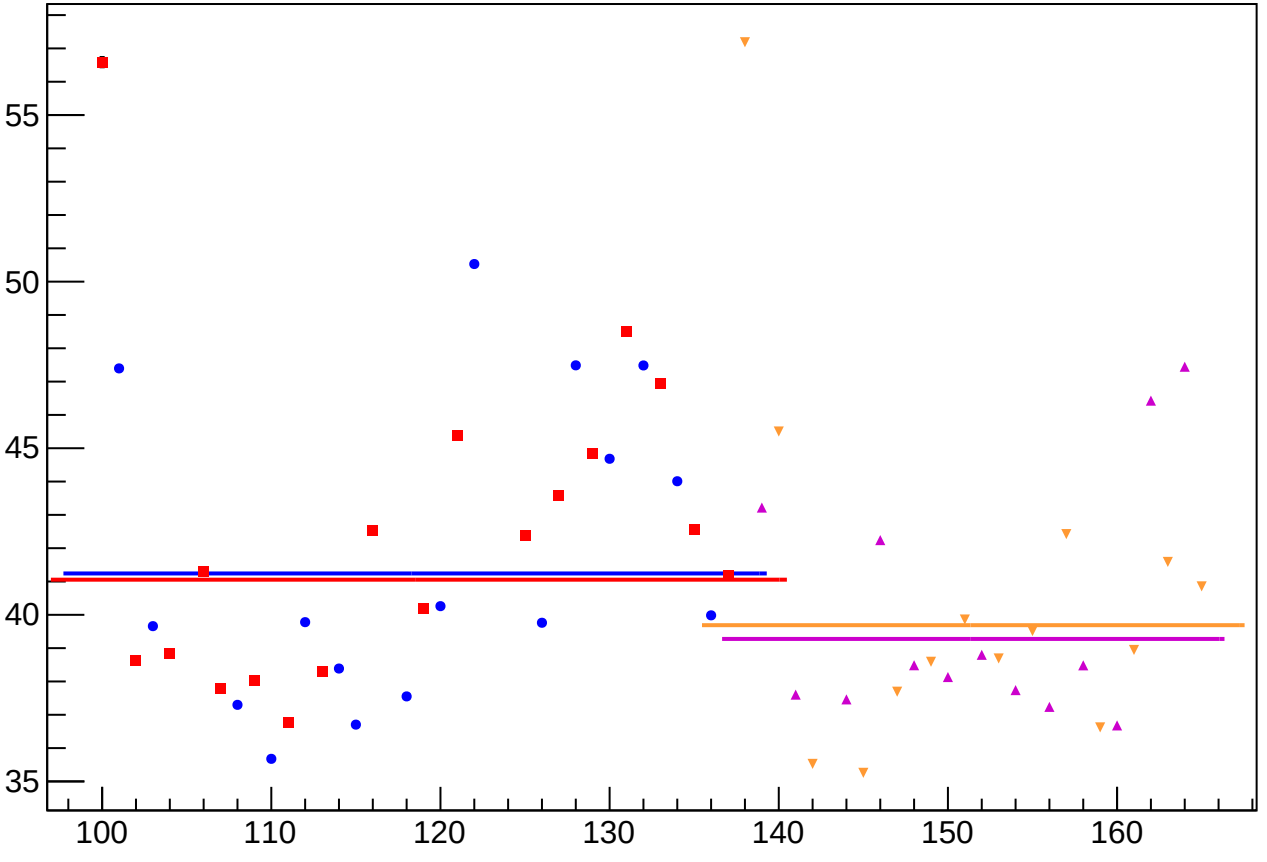
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.1/28

Out: 0.008+/-0.010 χ^2/NDF:25.7/31

All: 0.001+/-0.007 χ^2/NDF: 52.7/60

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.689+/-0.009 χ^2/NDF:227029.3/13

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

Left In: 39.276+/-0.009 χ^2/NDF:115513.5/12

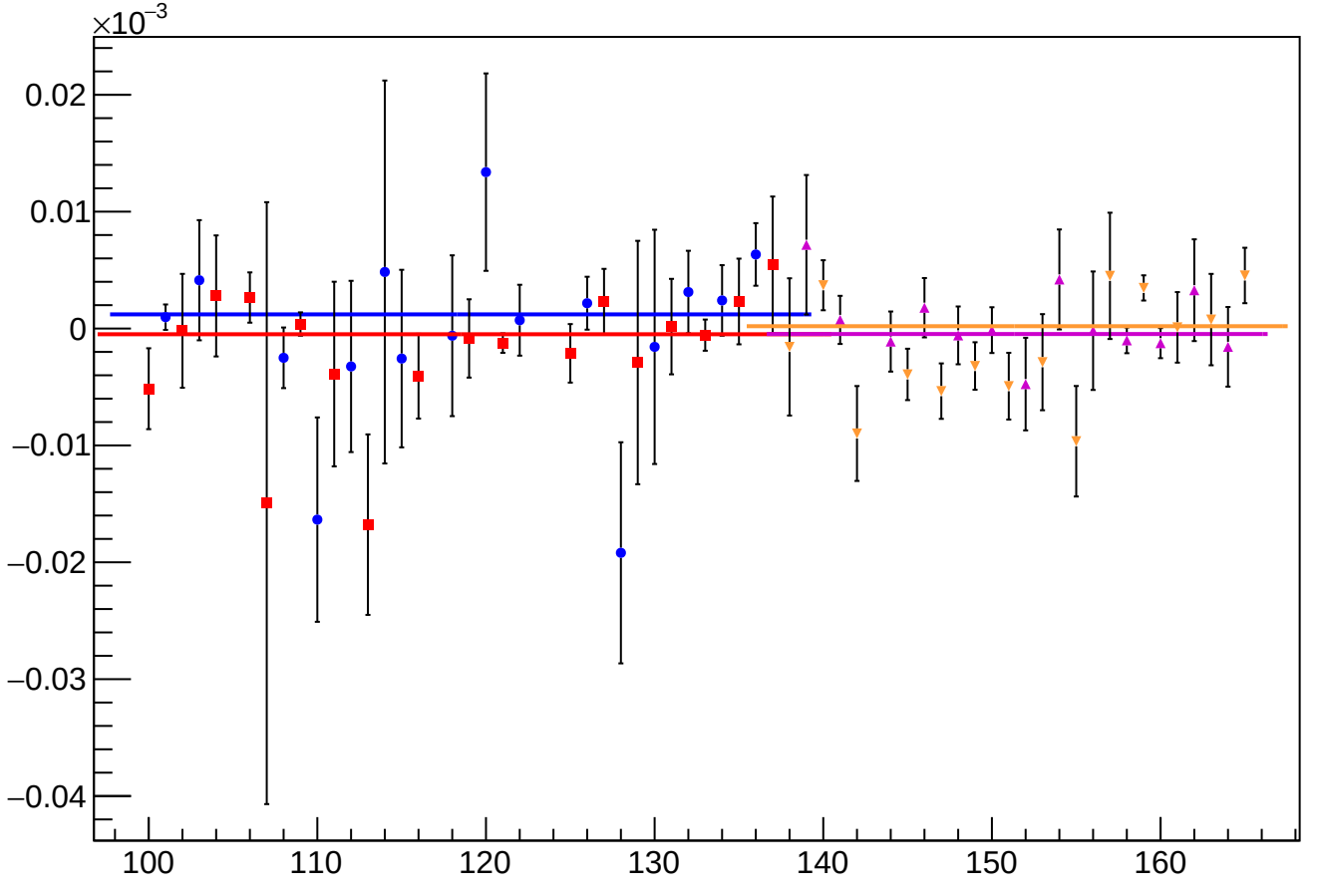
Left: 39.479+/-0.006 χ^2/NDF: 343671.2/26

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

In: 40.013+/-0.007 χ^2/NDF:270293.6/28

Out: 40.221+/-0.007 χ^2/NDF:333058.2/31

All: 40.117+/-0.005 χ^2/NDF: 603815.2/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/13

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

Left In: -0.000+/-0.000 χ^2/NDF:6.7/12

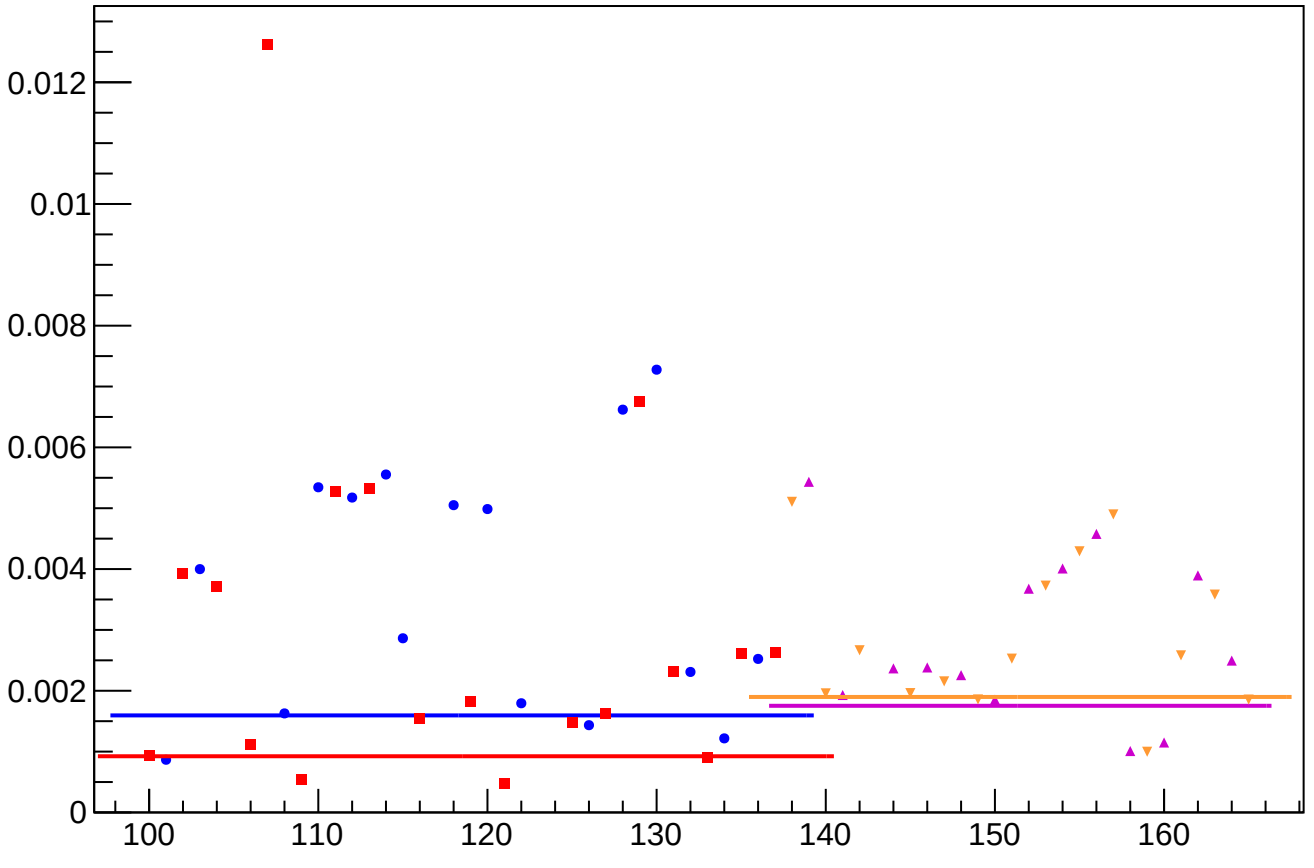
Left: -0.000+/-0.000 χ^2/NDF: 48.3/26

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:28.0/28

Out: -0.000+/-0.000 χ^2/NDF:56.7/31

All: -0.000+/-0.000 χ^2/NDF: 85.3/60



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

Left Out: 0.002+/-0.000 χ^2/NDF:4185858.7/13

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

Left In: 0.002+/-0.000 χ^2/NDF:4684348.0/12

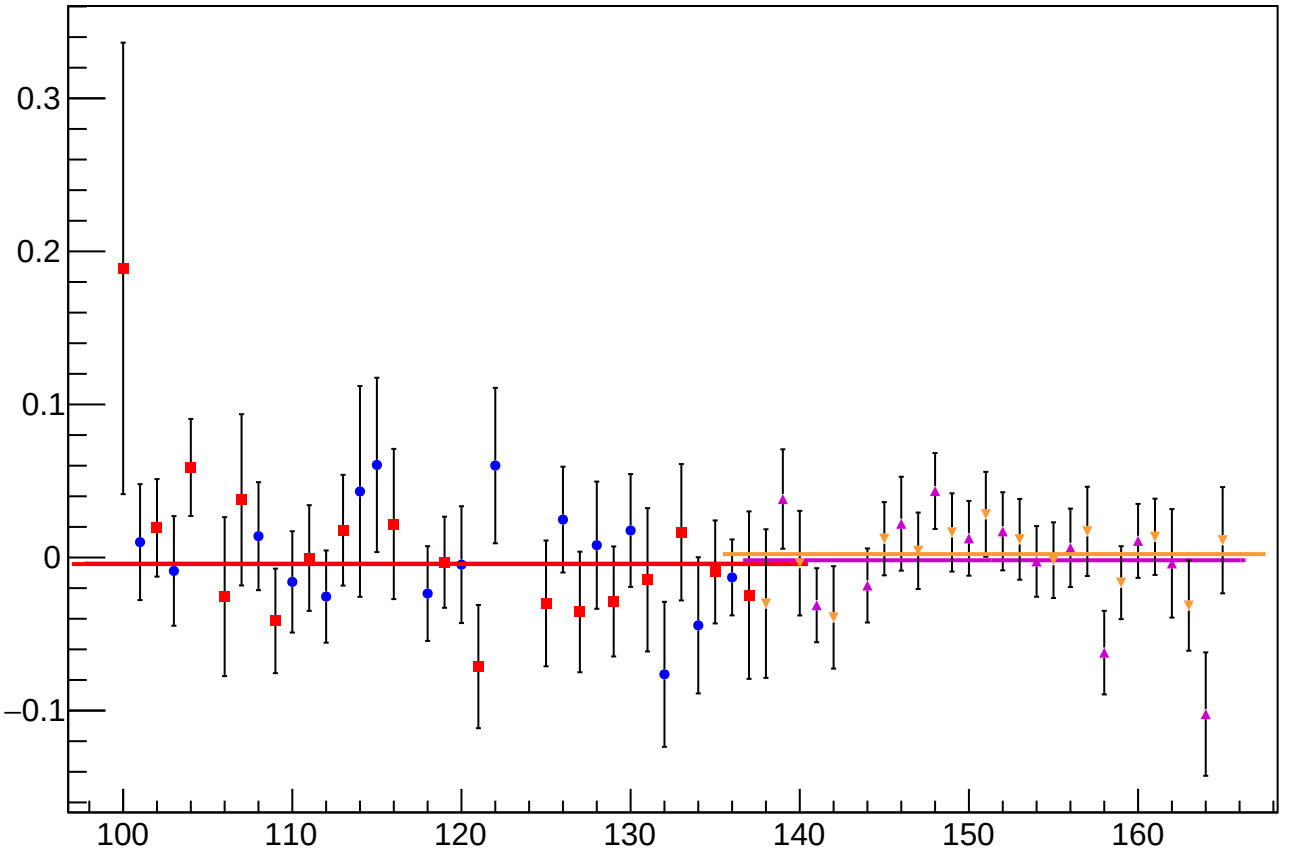
Left: 0.002+/-0.000 χ^2/NDF: 8924096.5/26

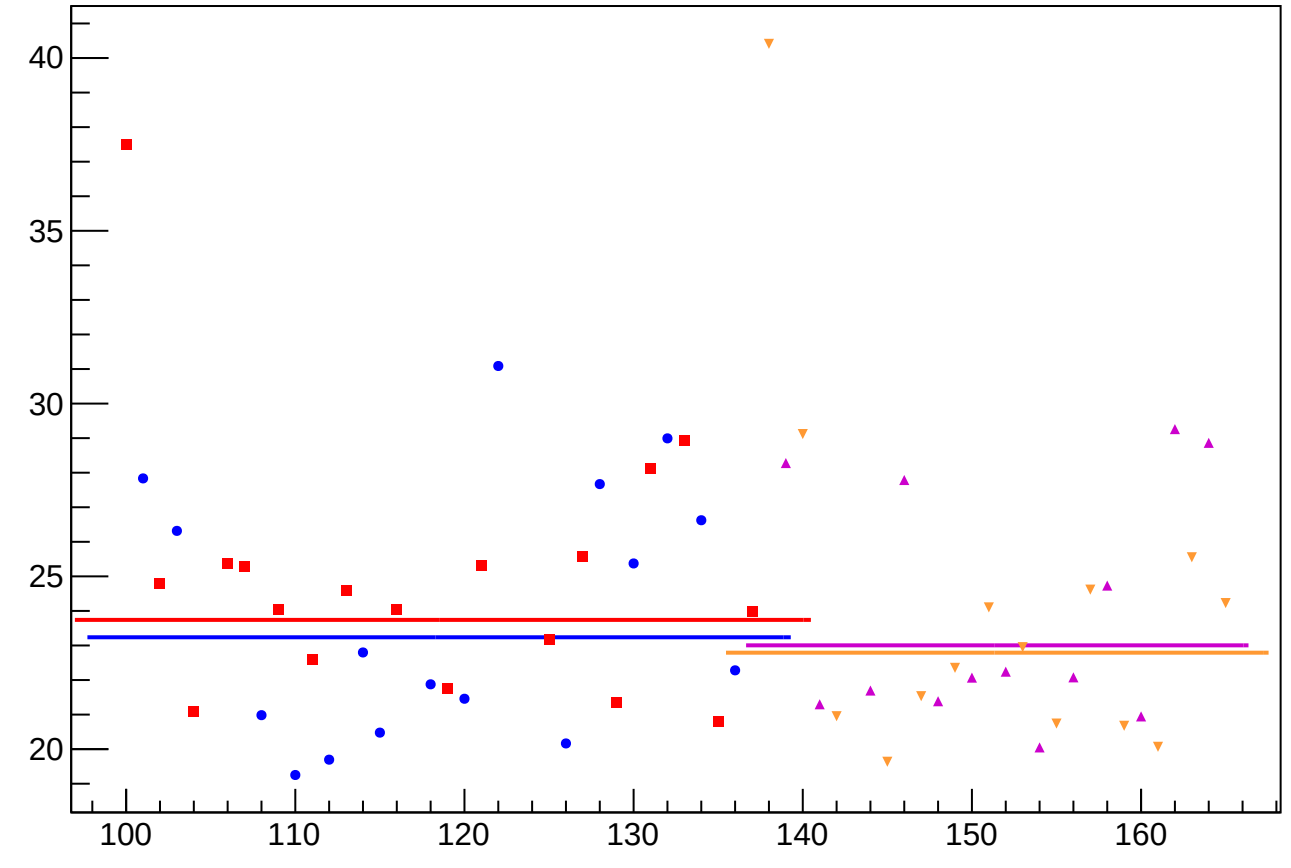
Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:9500009.8/28

Out: 0.001+/-0.000 χ^2/NDF:12833617.2/31

All: 0.001+/-0.000 χ^2/NDF: 23195826.9/60


asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.002+/-0.007 χ²/NDF:6.0/13
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.002+/-0.007 χ²/NDF:19.8/12
Left: 0.000+/-0.005 χ²/NDF: 25.9/26
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.003+/-0.006 χ²/NDF:29.0/28
Out: -0.000+/-0.006 χ²/NDF:19.8/31
All: -0.001+/-0.004 χ²/NDF: 48.8/60



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

Left Out: 22.792+/-0.005 χ^2/NDF:465064.3/13

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

Left In: 23.004+/-0.005 χ^2/NDF:292835.3/12

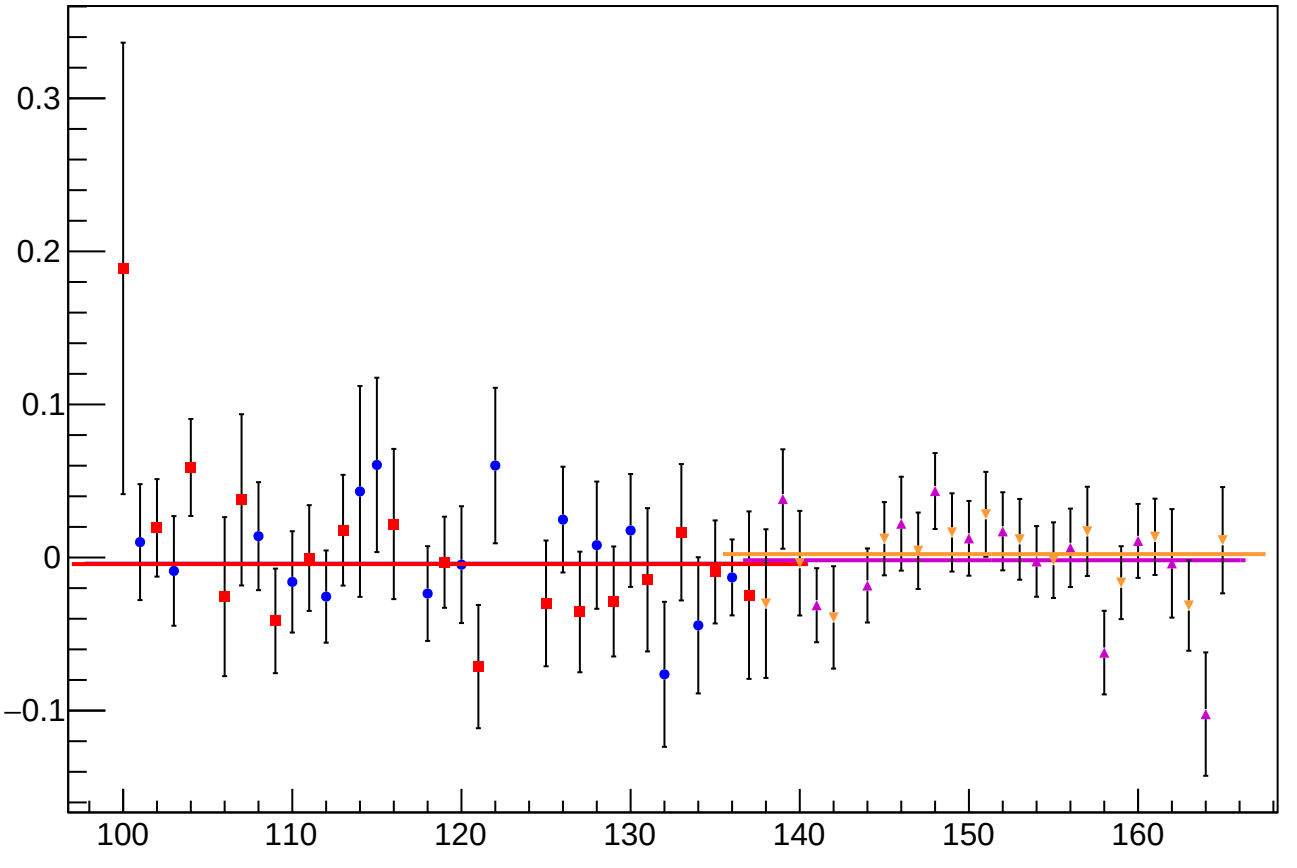
Left: 22.898+/-0.004 χ^2/NDF: 758713.9/26

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

In: 23.095+/-0.004 χ^2/NDF:552831.3/28

Out: 23.163+/-0.004 χ^2/NDF:603835.9/31

All: 23.129+/-0.003 χ^2/NDF: 1156801.1/60



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

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/12

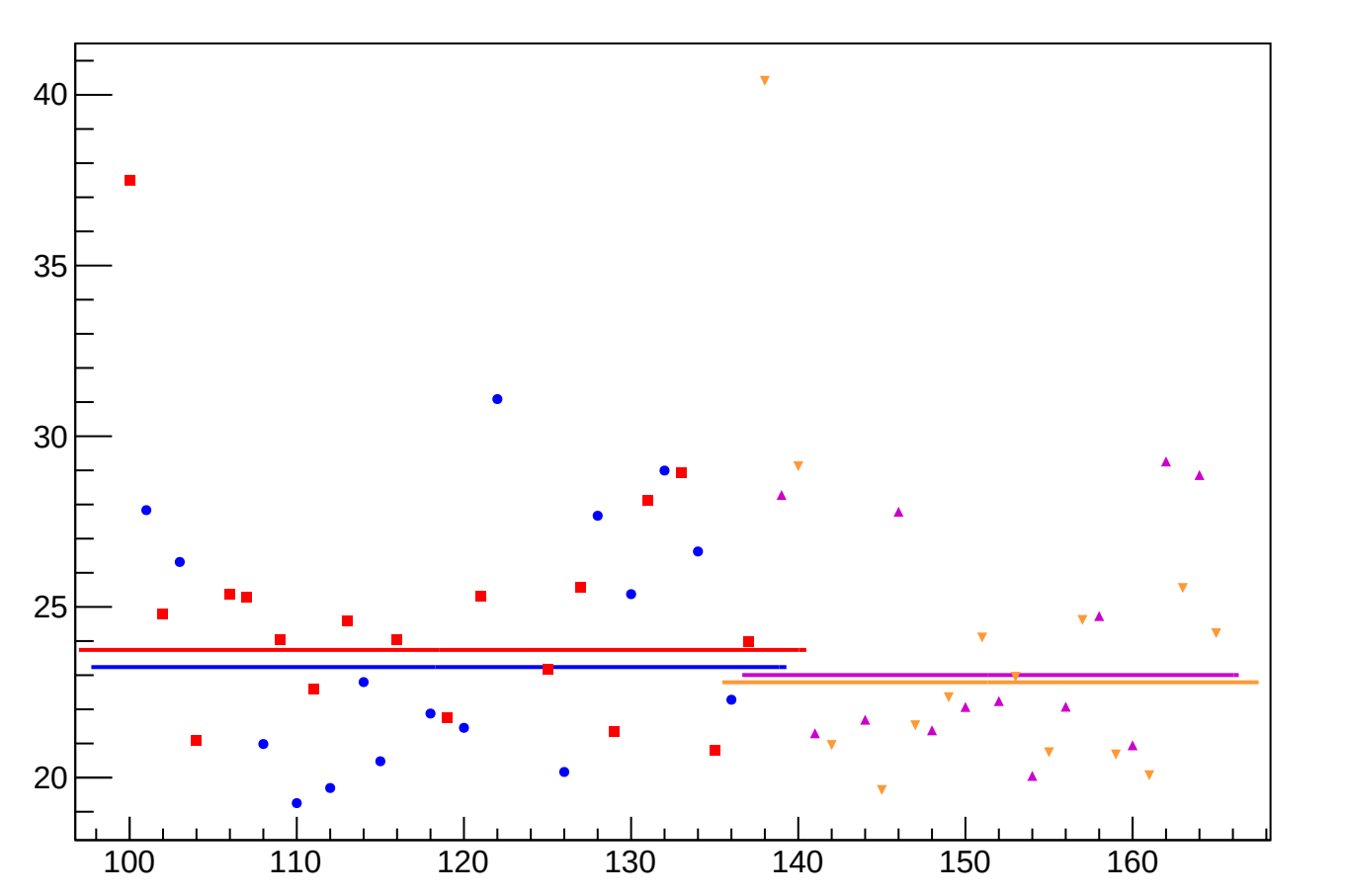
Left: 0.000+/-0.005 χ^2/NDF: 25.9/26

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

In: -0.003+/-0.006 χ^2/NDF:29.0/28

Out: -0.000+/-0.006 χ^2/NDF:19.8/31

All: -0.001+/-0.004 χ^2/NDF: 48.8/60



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

Left Out: 22.792+/-0.005 χ^2/NDF:465064.3/13

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

Left In: 23.004+/-0.005 χ^2/NDF:292835.3/12

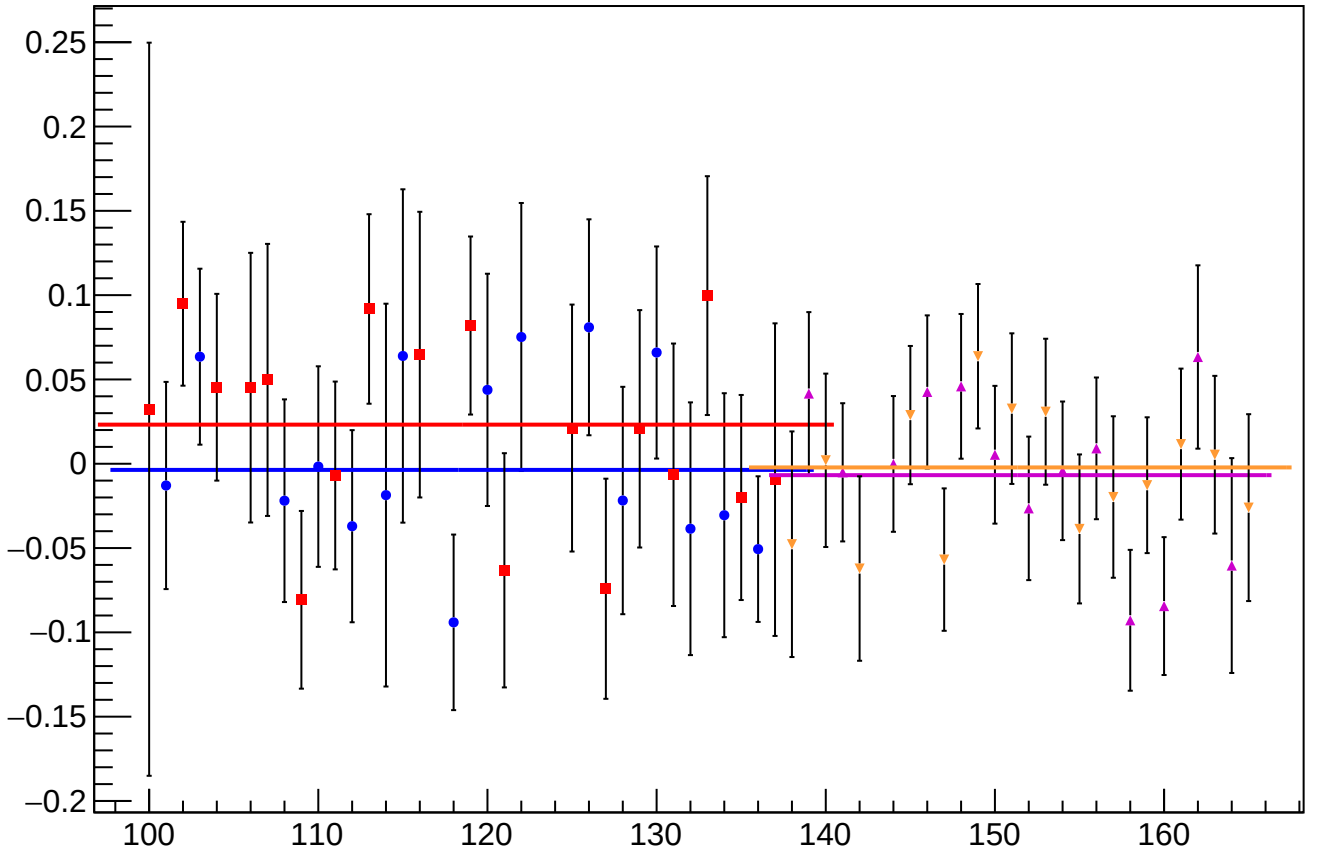
Left: 22.898+/-0.004 χ^2/NDF: 758713.9/26

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

In: 23.095+/-0.004 χ^2/NDF:552831.3/28

Out: 23.163+/-0.004 χ^2/NDF:603835.9/31

All: 23.129+/-0.003 χ^2/NDF: 1156801.1/60



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

Left Out: -0.002+/-0.012 χ^2/NDF:8.7/13

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

Left In: -0.007+/-0.012 χ^2/NDF:14.4/12

Left: -0.005+/-0.009 χ^2/NDF: 23.1/26

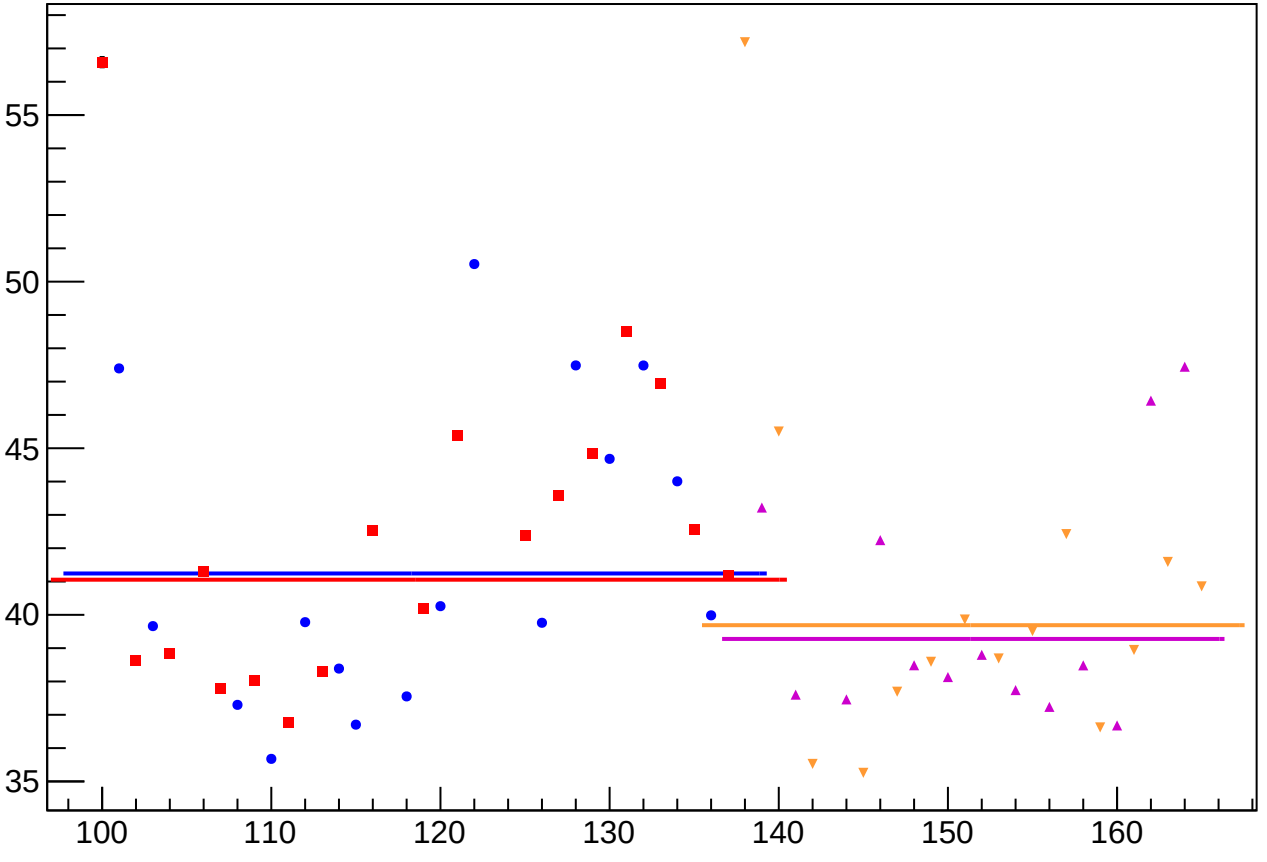
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.1/28

Out: 0.008+/-0.010 χ^2/NDF:25.7/31

All: 0.001+/-0.007 χ^2/NDF: 52.7/60

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: 39.689+/-0.009 χ^2/NDF:227033.7/13

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

Left In: 39.277+/-0.009 χ^2/NDF:115521.4/12

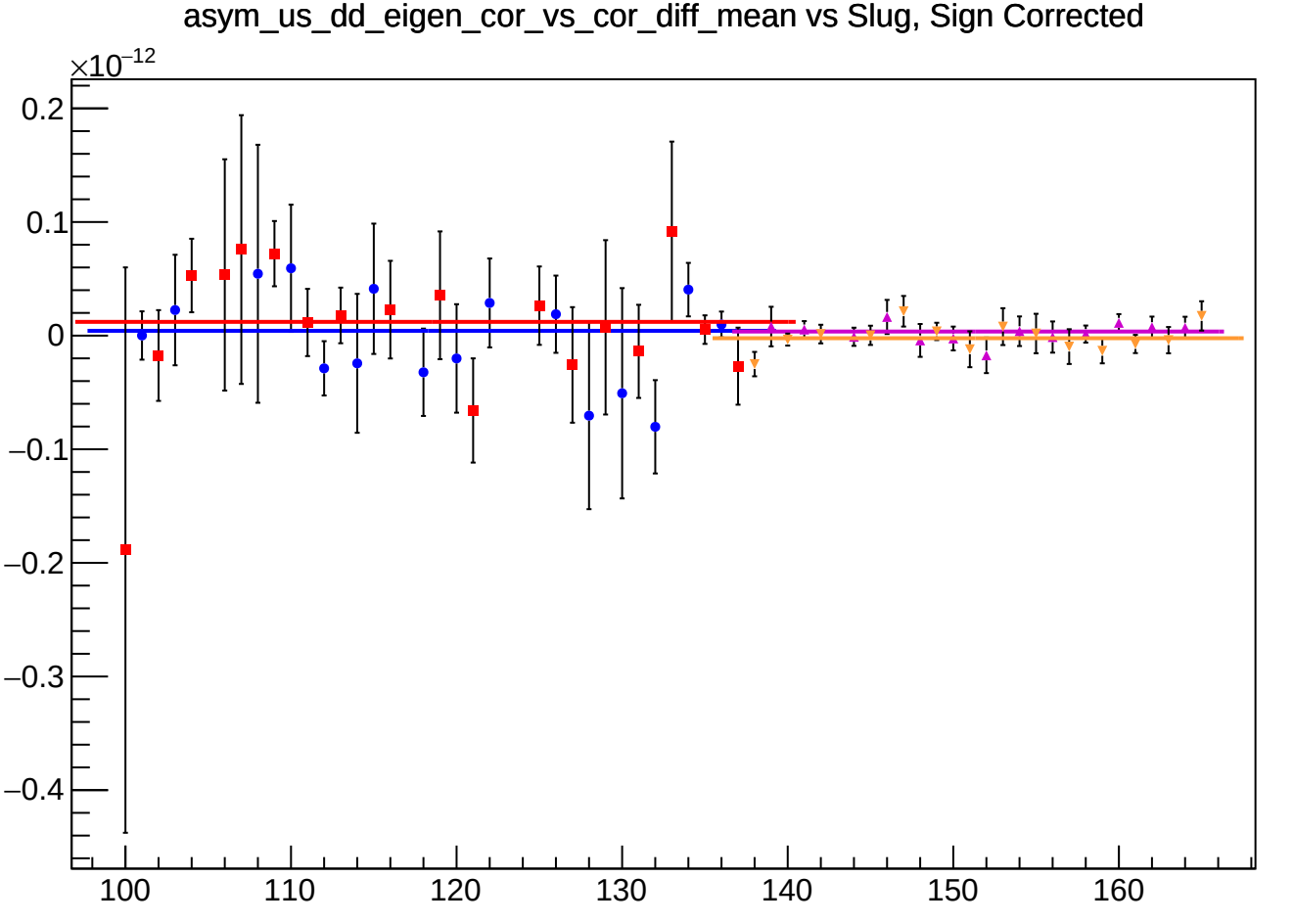
Left: 39.480+/-0.006 χ^2/NDF: 343683.2/26

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

In: 40.013+/-0.007 χ^2/NDF:270271.7/28

Out: 40.221+/-0.007 χ^2/NDF:333050.1/31

All: 40.117+/-0.005 χ^2/NDF: 603785.3/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/13

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

Left In: 0.000+/-0.000 χ^2/NDF:5.1/12

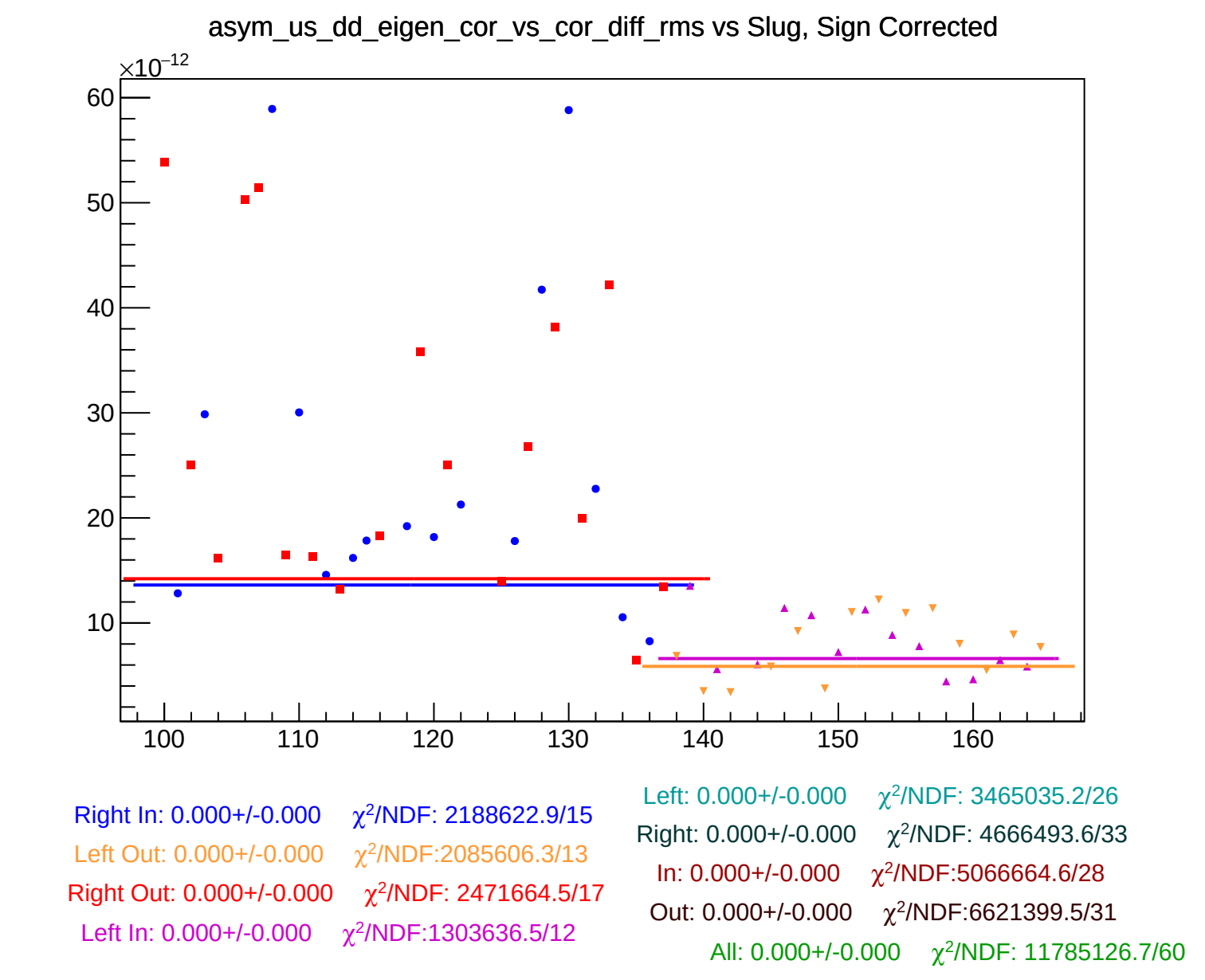
Left: 0.000+/-0.000 χ^2/NDF: 20.9/26

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

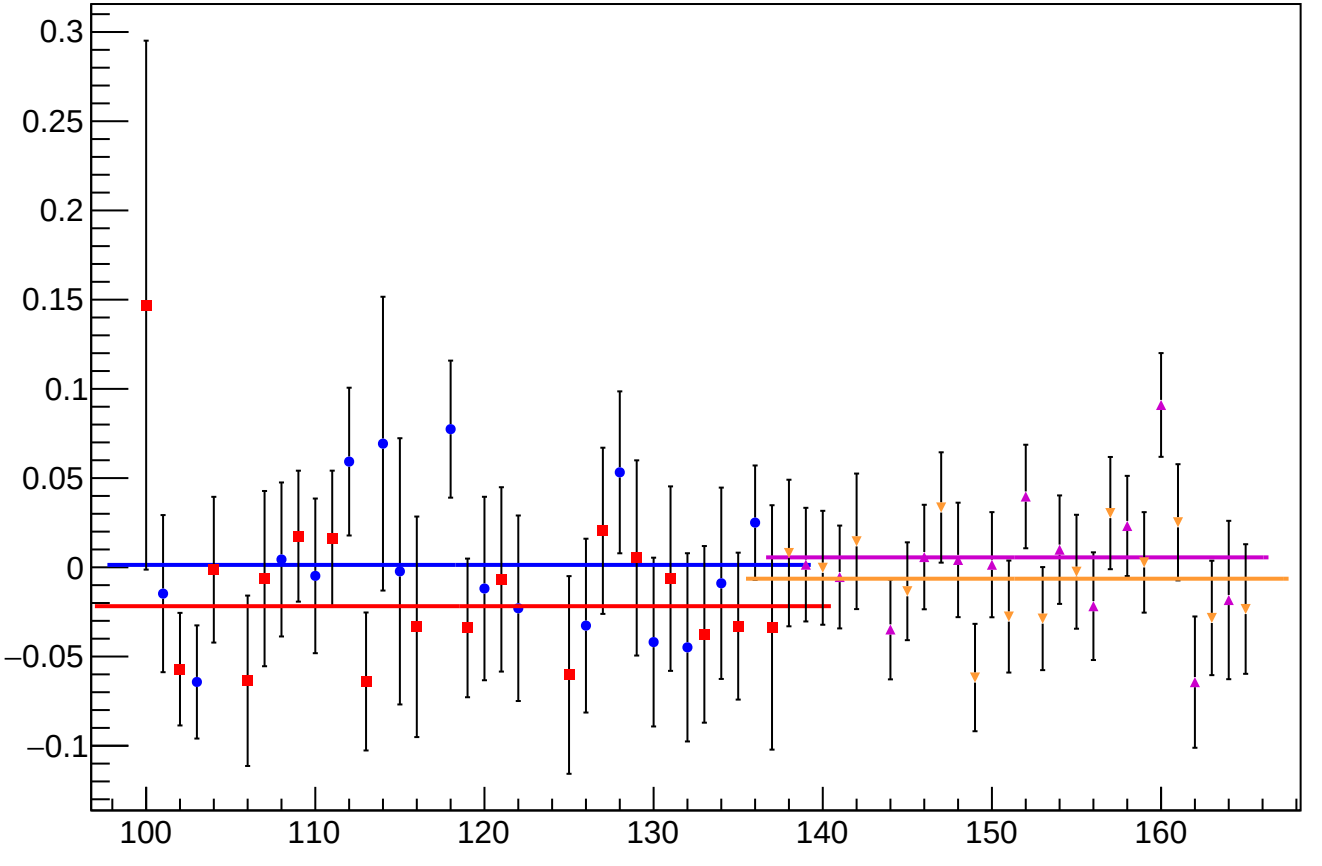
In: 0.000+/-0.000 χ^2/NDF:18.8/28

Out: -0.000+/-0.000 χ^2/NDF:31.0/31

All: 0.000+/-0.000 χ^2/NDF: 51.4/60


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
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2085606.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1303636.5/12
Left: 0.000+/-0.000 χ²/NDF: 3465035.2/26
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5066664.6/28
Out: 0.000+/-0.000 χ²/NDF:6621399.5/31
All: 0.000+/-0.000 χ²/NDF: 11785126.7/60

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: -0.006+/-0.008 χ^2/NDF:9.8/13

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

Left In: 0.006+/-0.009 χ^2/NDF:17.4/12

Left: -0.000+/-0.006 χ^2/NDF: 28.2/26

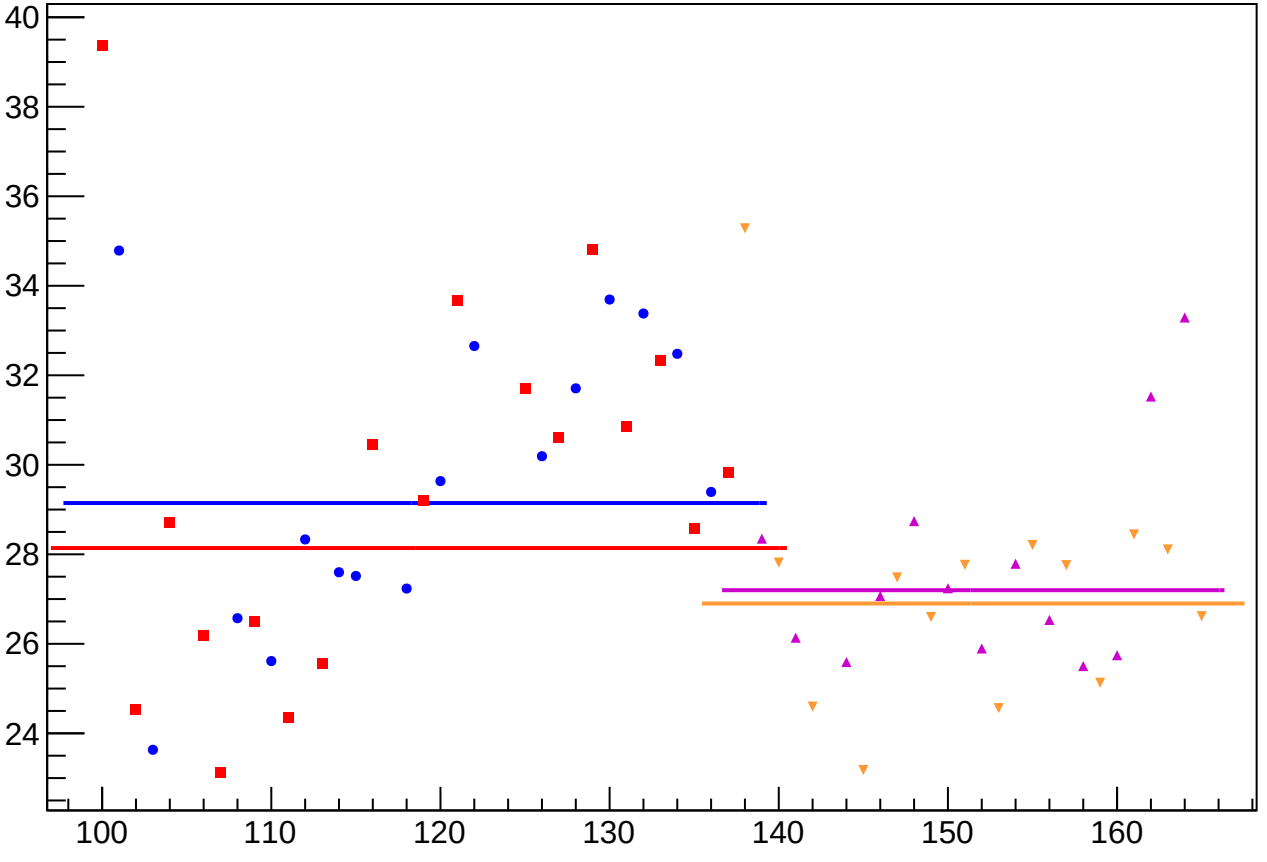
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.007 χ^2/NDF:32.8/28

Out: -0.012+/-0.007 χ^2/NDF:20.1/31

All: -0.004+/-0.005 χ^2/NDF: 55.8/60

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: 26.901+/-0.006 χ^2/NDF:164910.0/13

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

Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

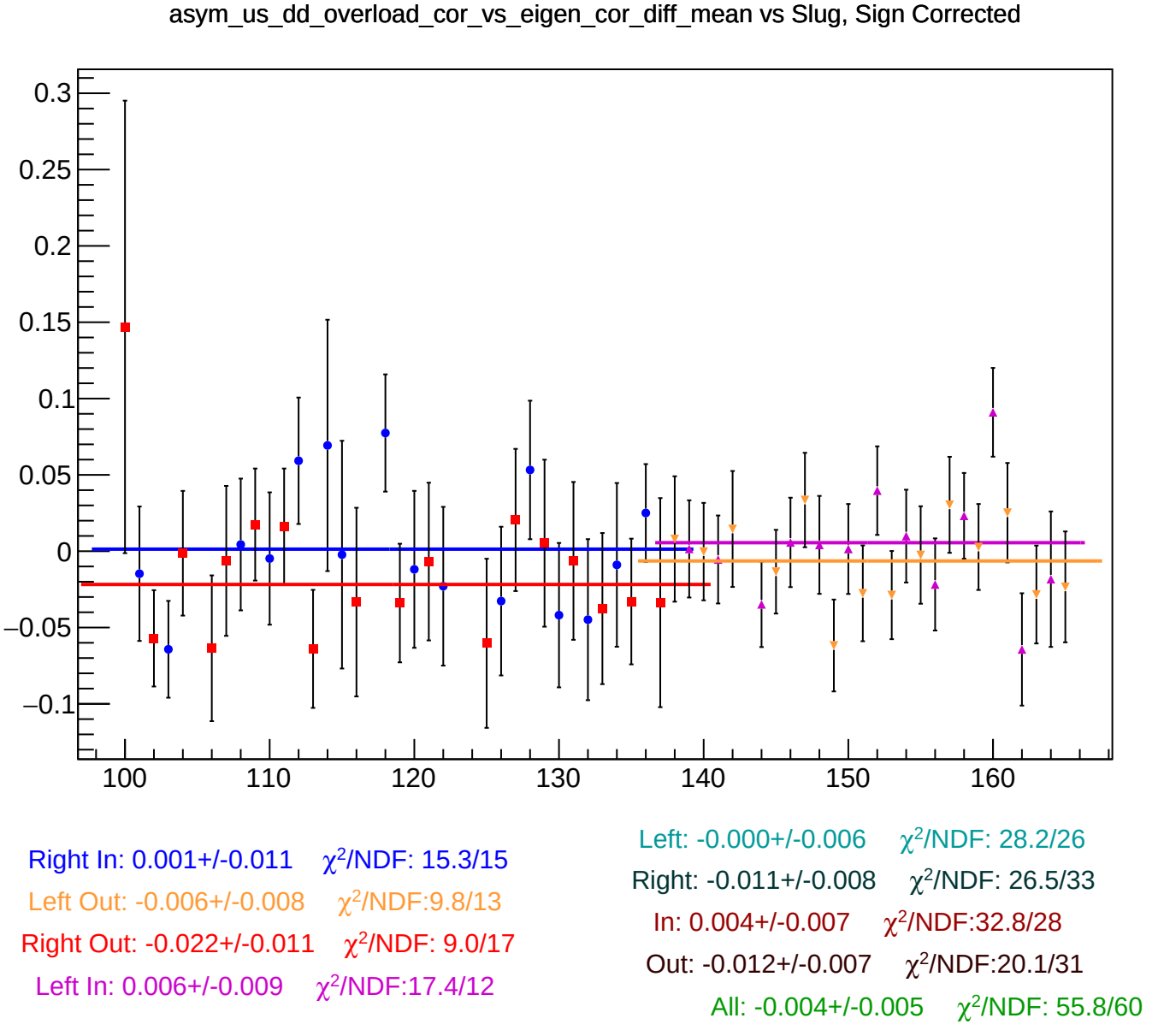
Left: 27.049+/-0.004 χ^2/NDF: 266132.8/26

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

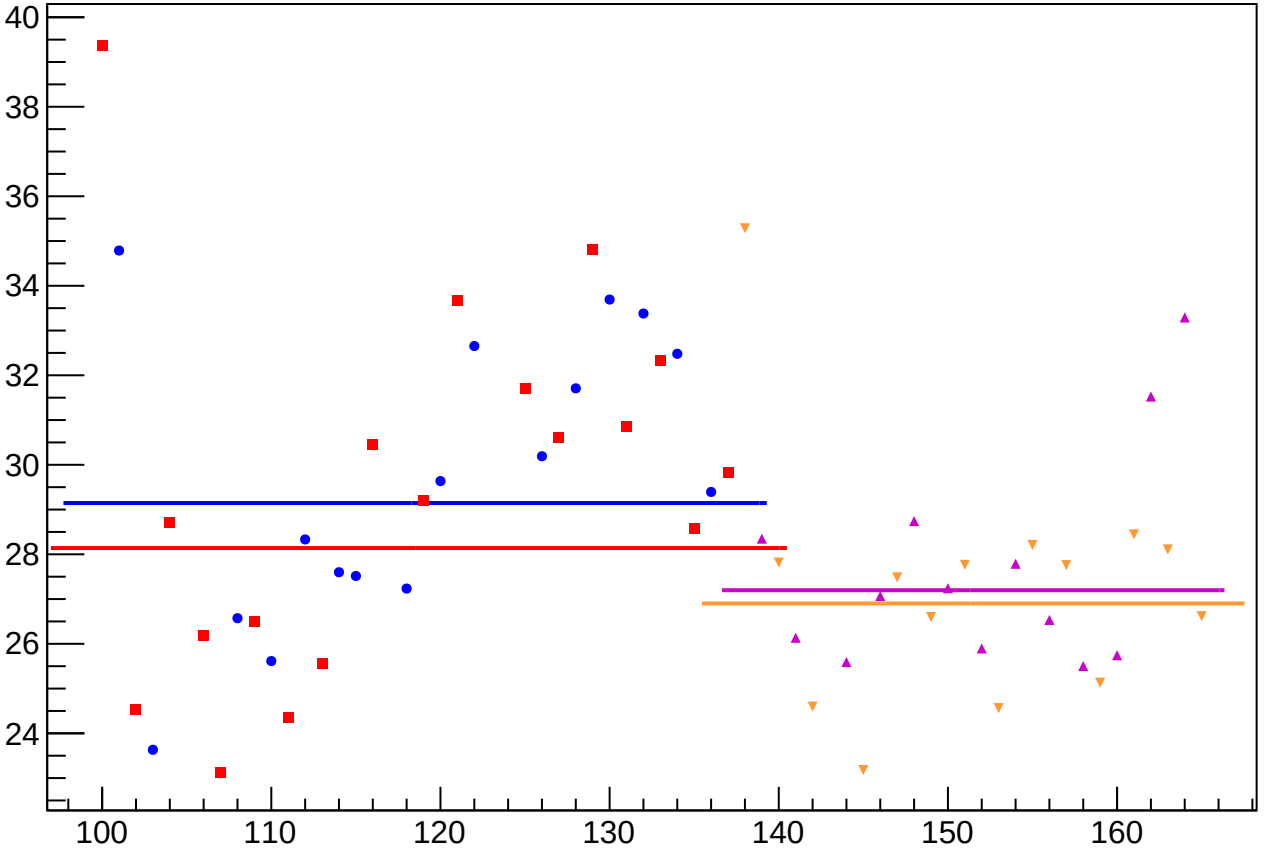
In: 27.909+/-0.005 χ^2/NDF:315198.0/28

Out: 27.375+/-0.005 χ^2/NDF:368330.3/31

All: 27.638+/-0.003 χ^2/NDF: 689845.3/60


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.008 χ²/NDF:9.8/13
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.006+/-0.009 χ²/NDF:17.4/12
Left: -0.000+/-0.006 χ²/NDF: 28.2/26
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.004+/-0.007 χ²/NDF:32.8/28
Out: -0.012+/-0.007 χ²/NDF:20.1/31
All: -0.004+/-0.005 χ²/NDF: 55.8/60

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: 26.901+/-0.006 χ^2/NDF:164910.0/13

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

Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

Left: 27.049+/-0.004 χ^2/NDF: 266132.8/26

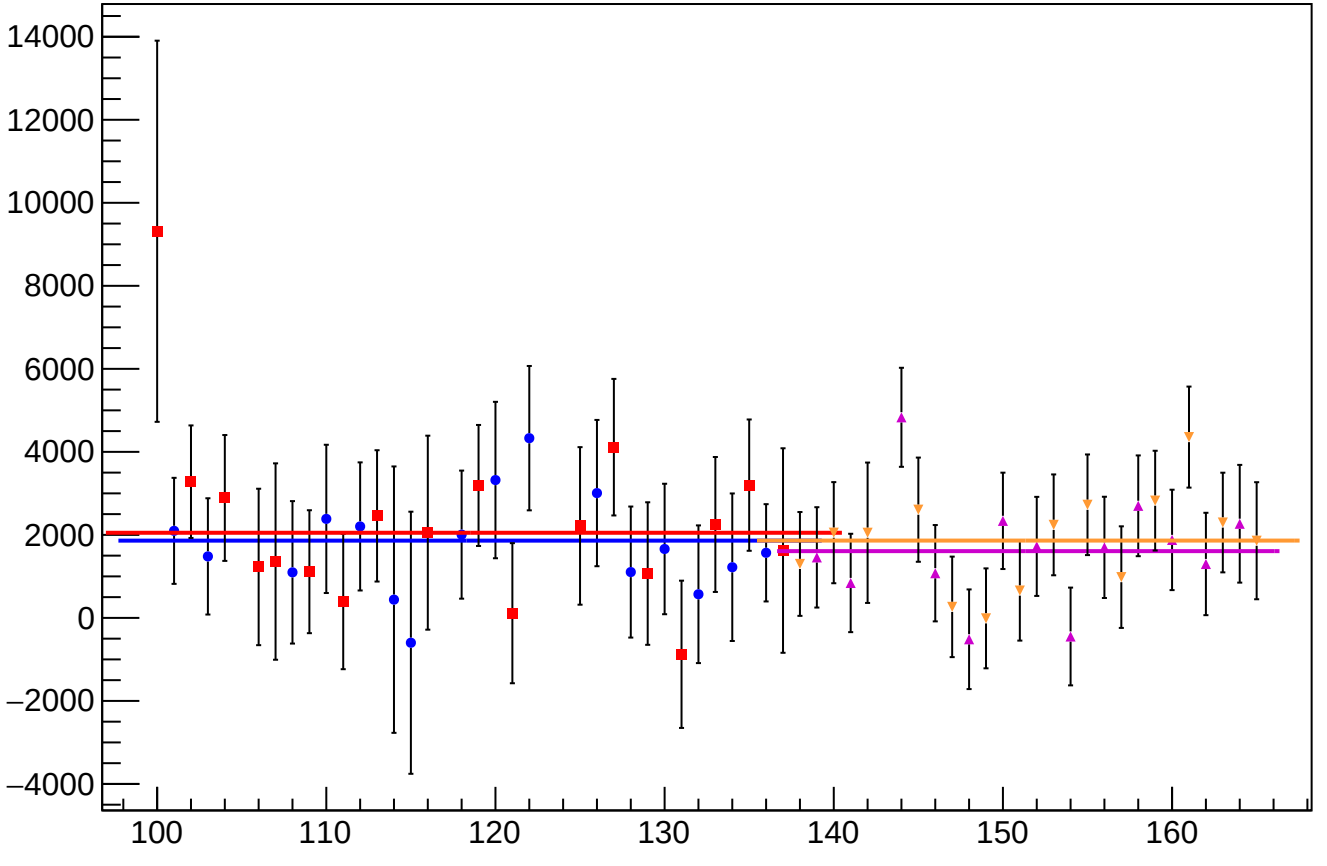
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.909+/-0.005 χ^2/NDF:315198.0/28

Out: 27.375+/-0.005 χ^2/NDF:368330.3/31

All: 27.638+/-0.003 χ^2/NDF: 689845.3/60

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

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

Left In: 1608.419+/-335.372 χ^2/NDF:15.7/12

Left: 1736.050+/-236.763 χ^2/NDF: 27.8/26

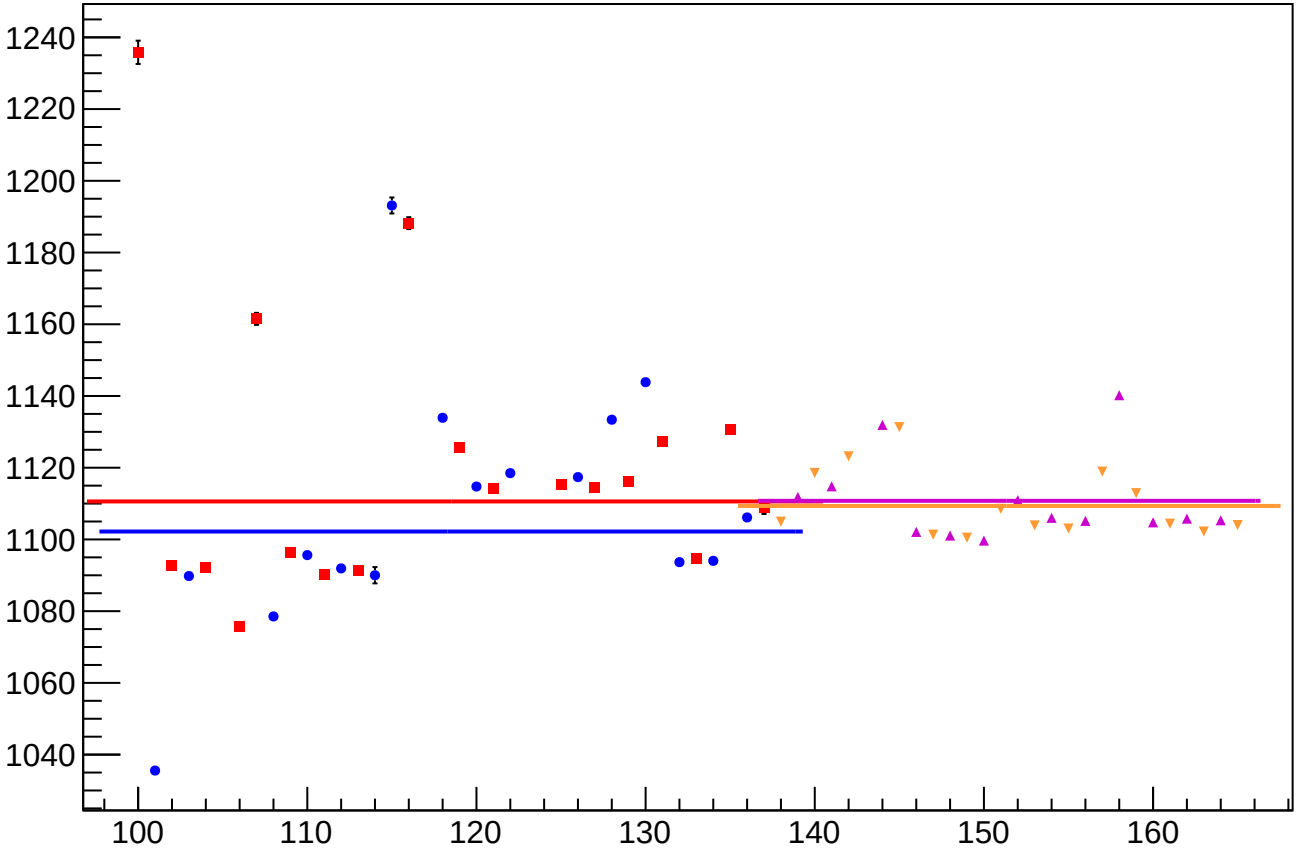
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1710.024+/-259.468 χ^2/NDF:21.2/28

Out: 1938.094+/-258.900 χ^2/NDF:24.5/31

All: 1824.309+/-183.270 χ^2/NDF: 46.1/60

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

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

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

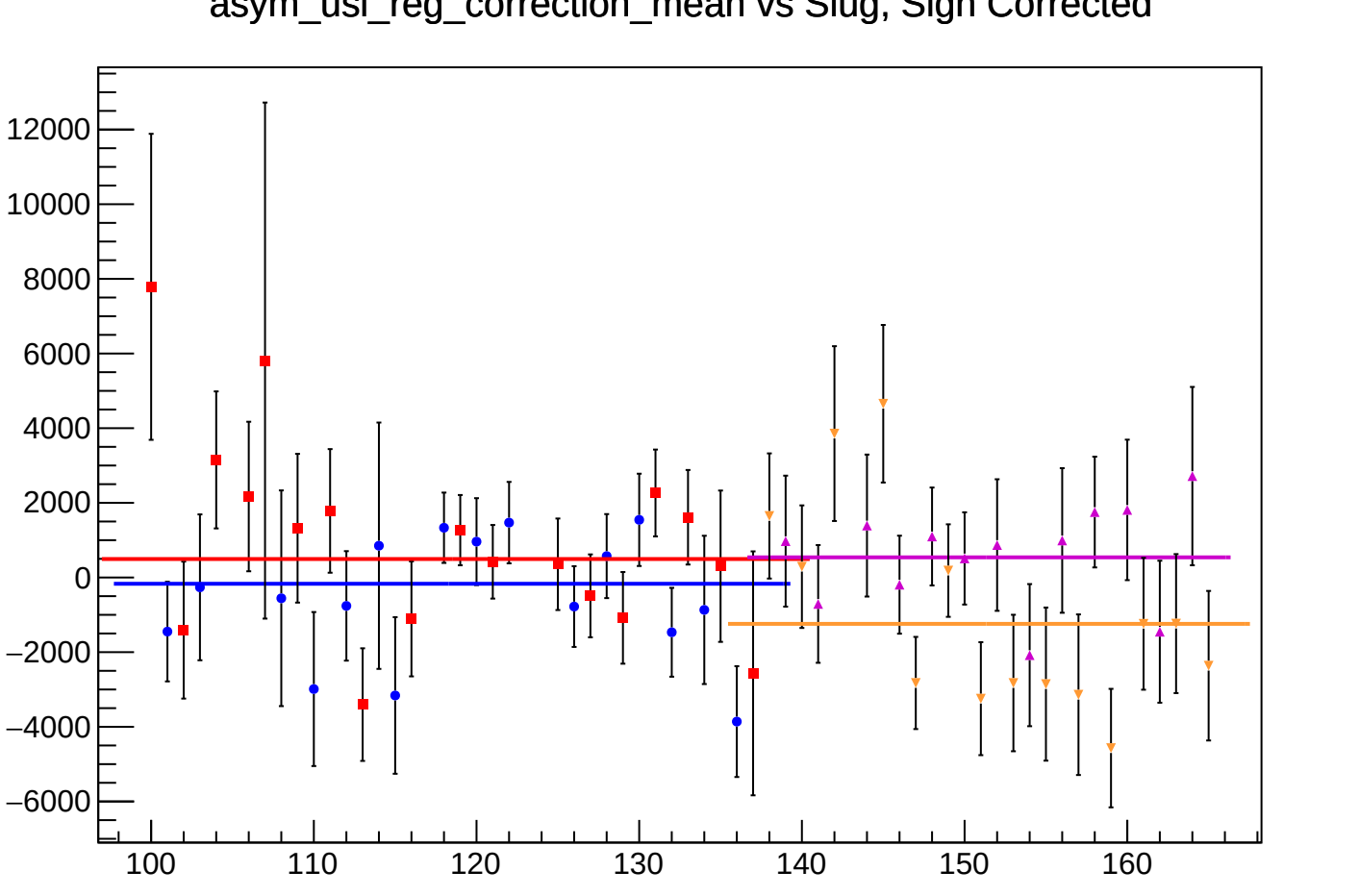
Left: 1110.051+/-0.167 χ^2/NDF: 3908.9/26

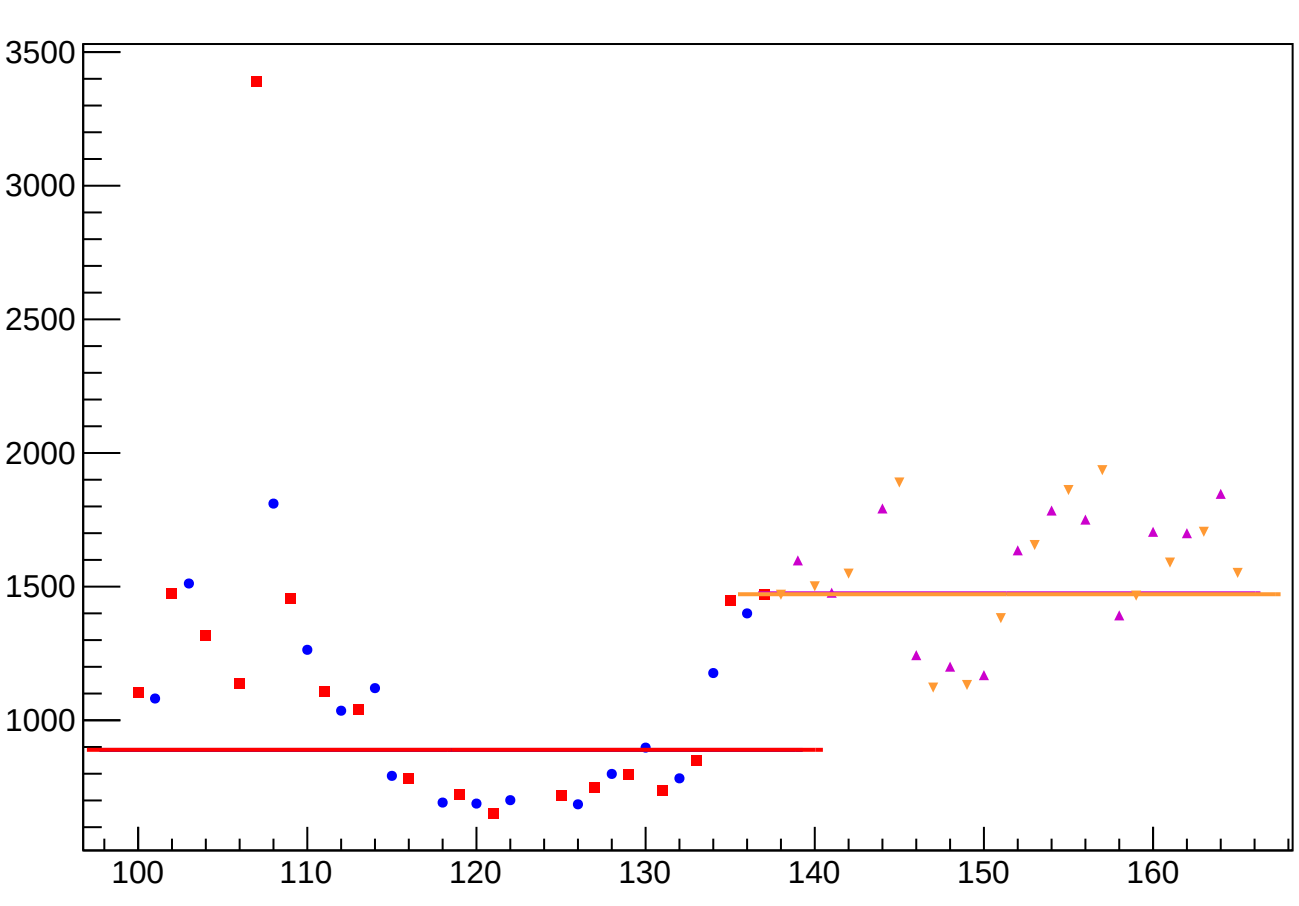
Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1107.332+/-0.183 χ^2/NDF:14314.5/28

Out: 1109.839+/-0.183 χ^2/NDF:9155.9/31

All: 1108.588+/-0.130 χ^2/NDF: 23564.0/60


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
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1241.880+/-452.381 χ²/NDF:28.0/13
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 539.958+/-452.996 χ²/NDF:6.4/12
Left: -352.172+/-320.099 χ²/NDF: 42.1/26
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 92.380+/-274.687 χ²/NDF:29.0/28
Out: -143.723+/-274.355 χ²/NDF:60.6/31
All: -25.814+/-194.116 χ²/NDF: 89.9/60



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

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

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

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

Left: 1473.313+/-0.226 χ^2/NDF: 1188850.2/26

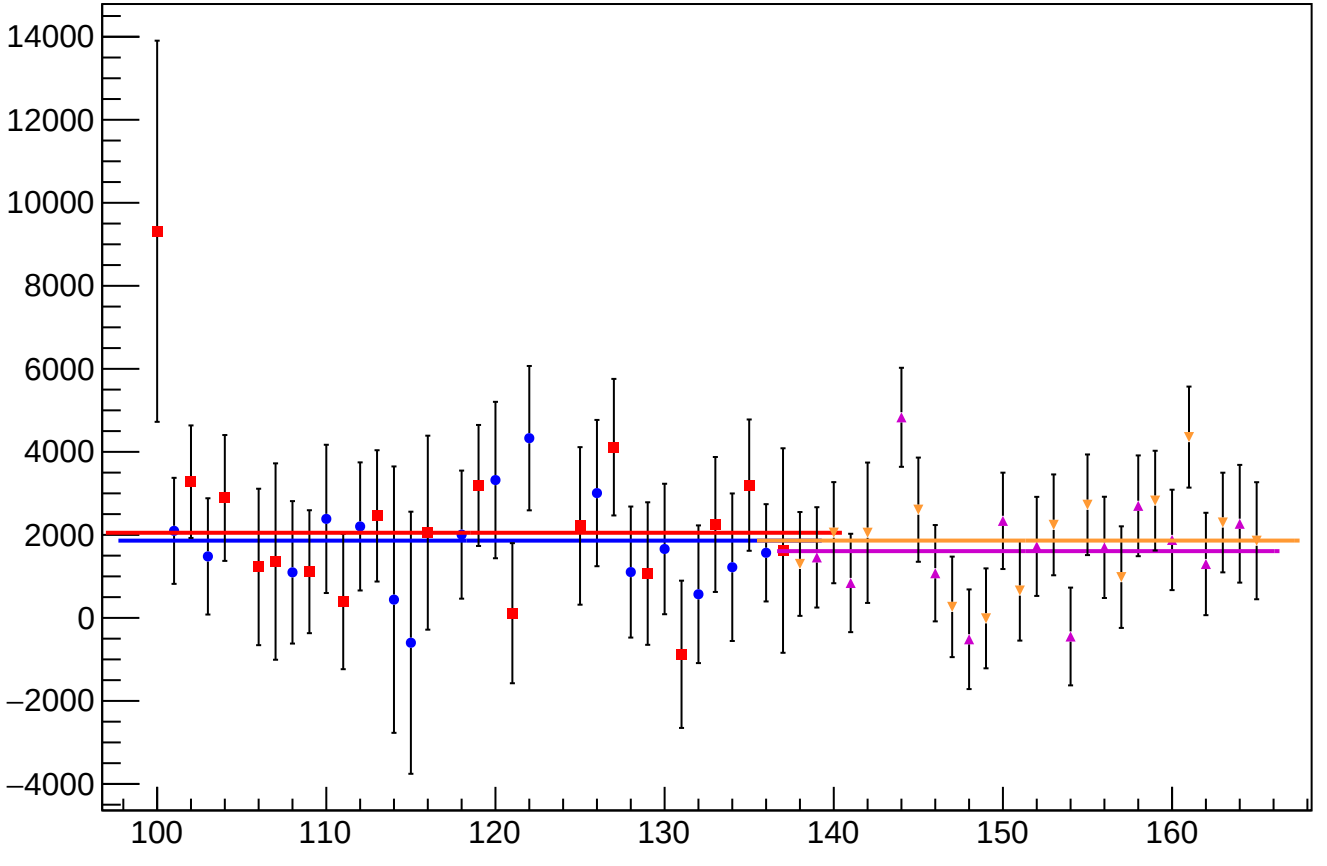
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1104.469+/-0.194 χ^2/NDF:3810727.2/28

Out: 1103.568+/-0.194 χ^2/NDF:4066980.5/31

All: 1104.018+/-0.137 χ^2/NDF: 7877718.5/60

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

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

Left In: 1608.419+/-335.372 χ^2/NDF:15.7/12

Left: 1736.050+/-236.763 χ^2/NDF: 27.8/26

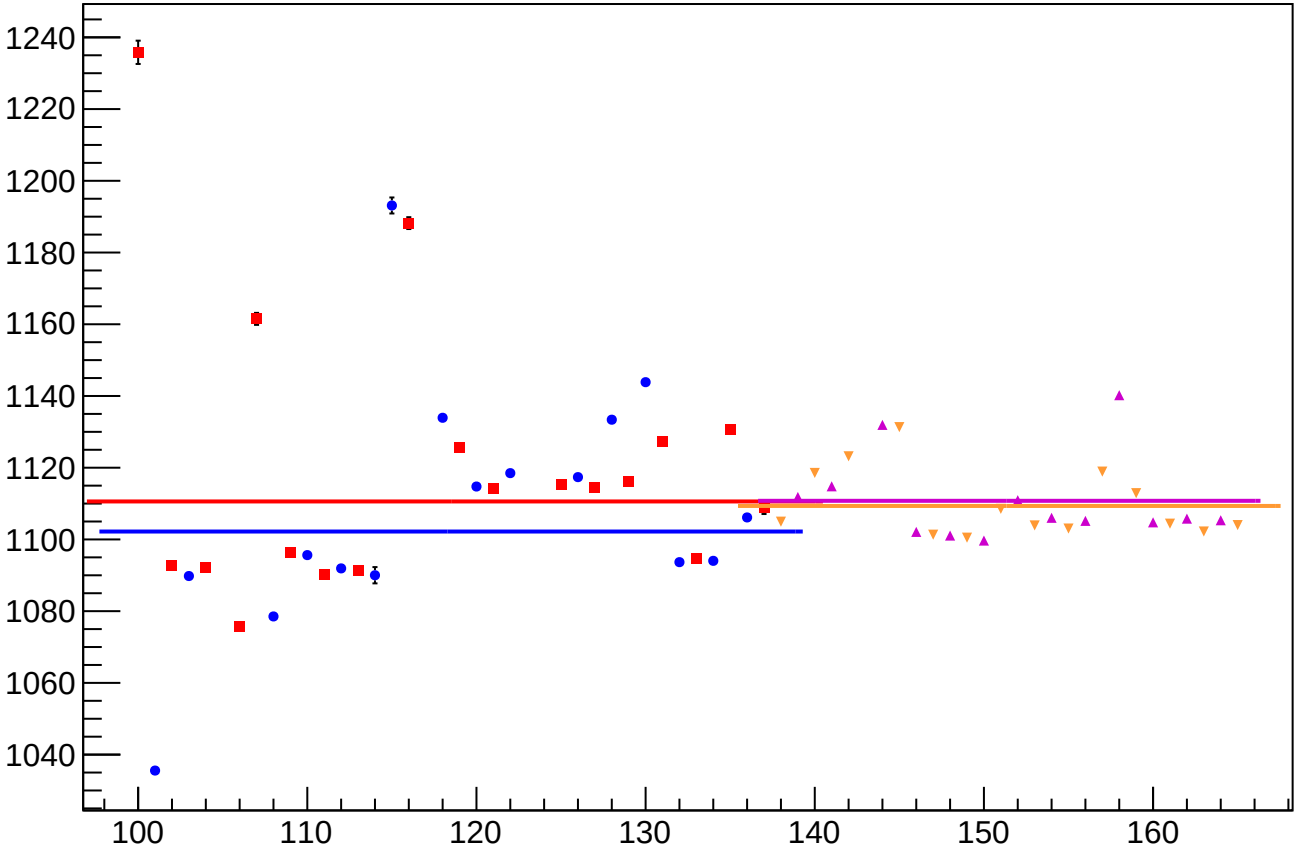
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1710.024+/-259.468 χ^2/NDF:21.2/28

Out: 1938.094+/-258.900 χ^2/NDF:24.5/31

All: 1824.309+/-183.270 χ^2/NDF: 46.1/60

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

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

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

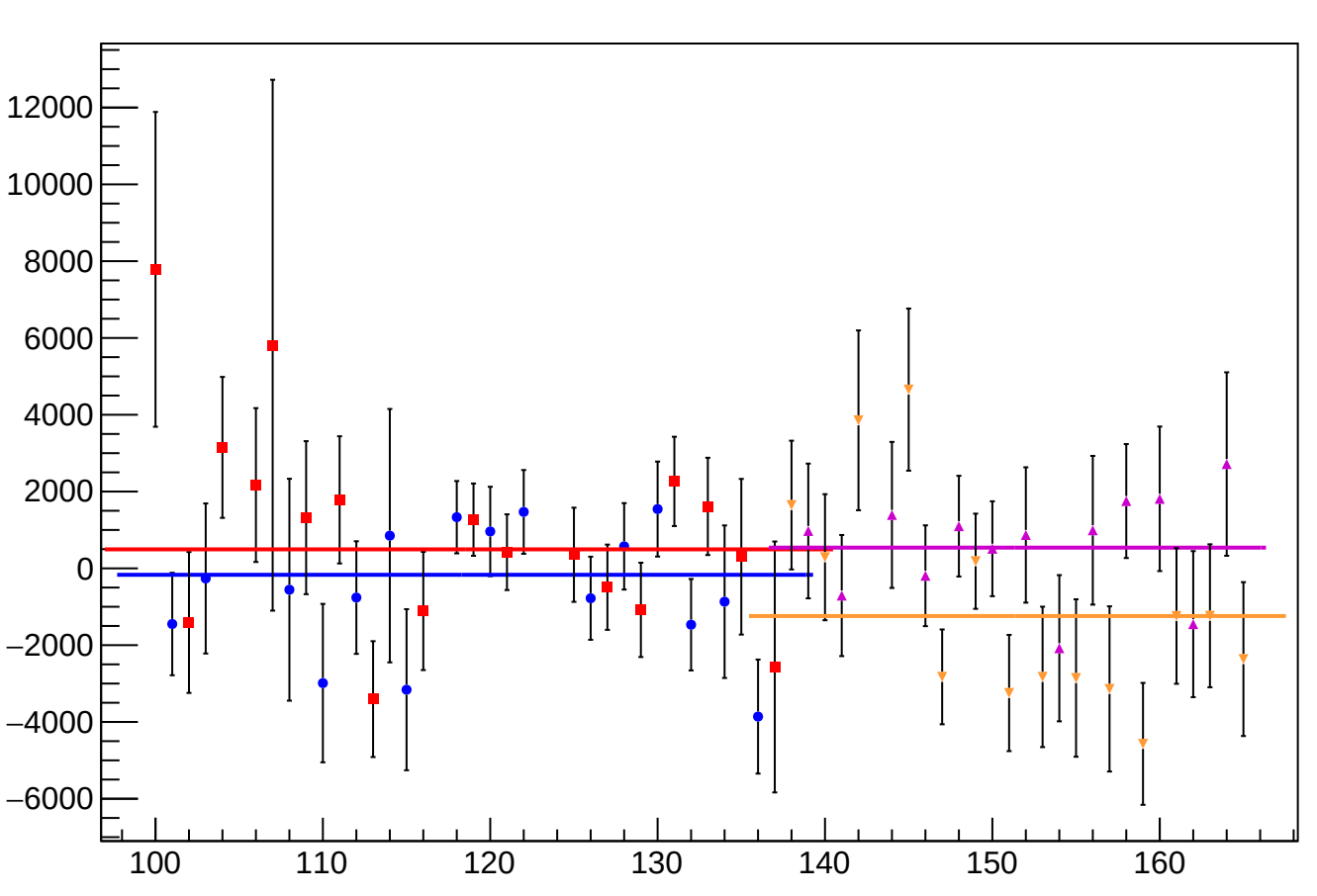
Left: 1110.051+/-0.167 χ^2/NDF: 3908.9/26

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

In: 1107.332+/-0.183 χ^2/NDF:14314.5/28

Out: 1109.839+/-0.183 χ^2/NDF:9155.9/31

All: 1108.588+/-0.130 χ^2/NDF: 23564.0/60



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -1241.880+/-452.381 χ^2/NDF:28.0/13

Right Out: 495.172+/-345.054 χ^2/NDF: 23.3/17

Left In: 539.958+/-452.996 χ^2/NDF:6.4/12

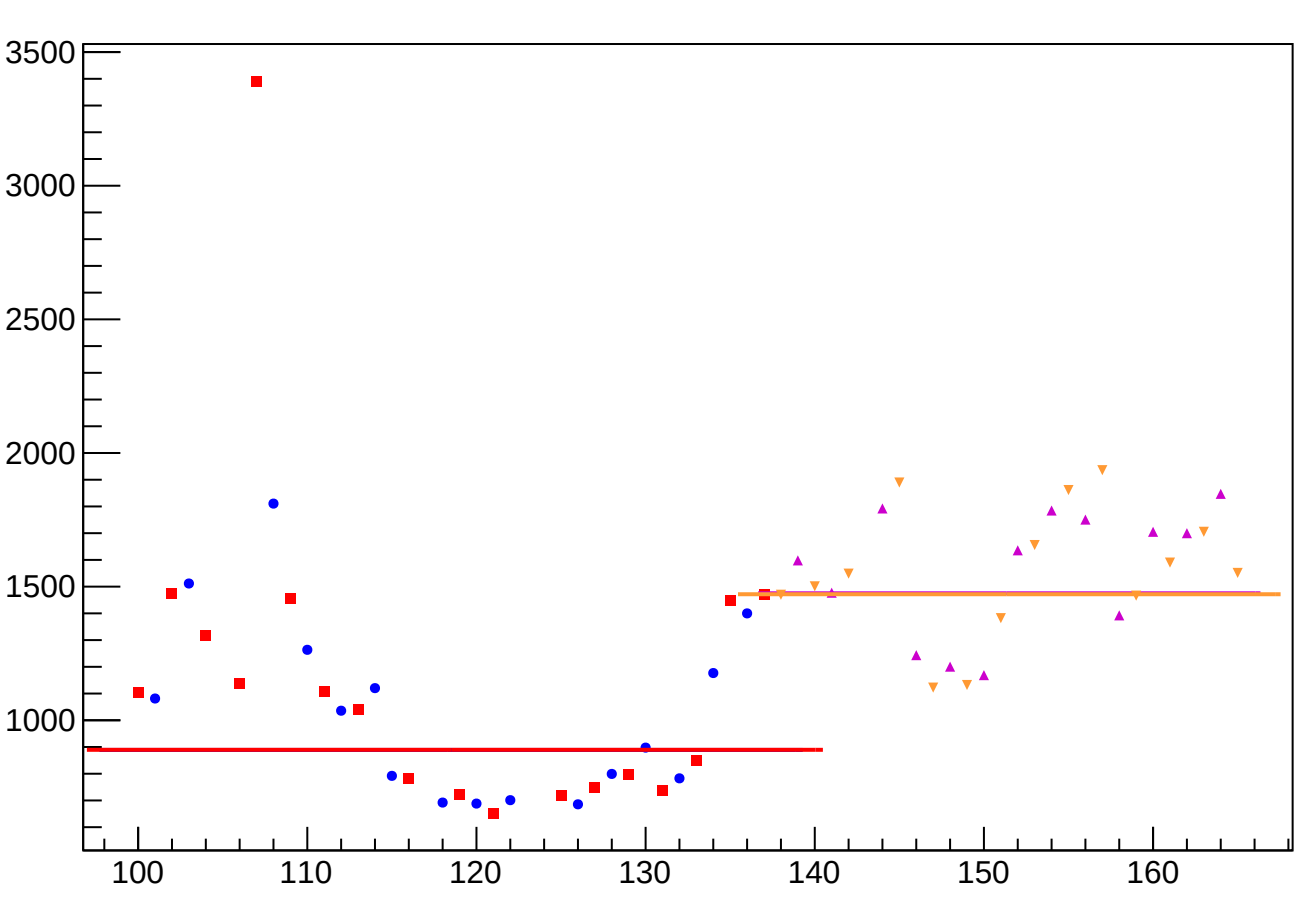
Left: -352.172+/-320.099 χ^2/NDF: 42.1/26

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 92.380+/-274.687 χ^2/NDF:29.0/28

Out: -143.723+/-274.355 χ^2/NDF:60.6/31

All: -25.814+/-194.116 χ^2/NDF: 89.9/60



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

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

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

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

Left: 1473.313+/-0.226 χ^2/NDF: 1188850.2/26

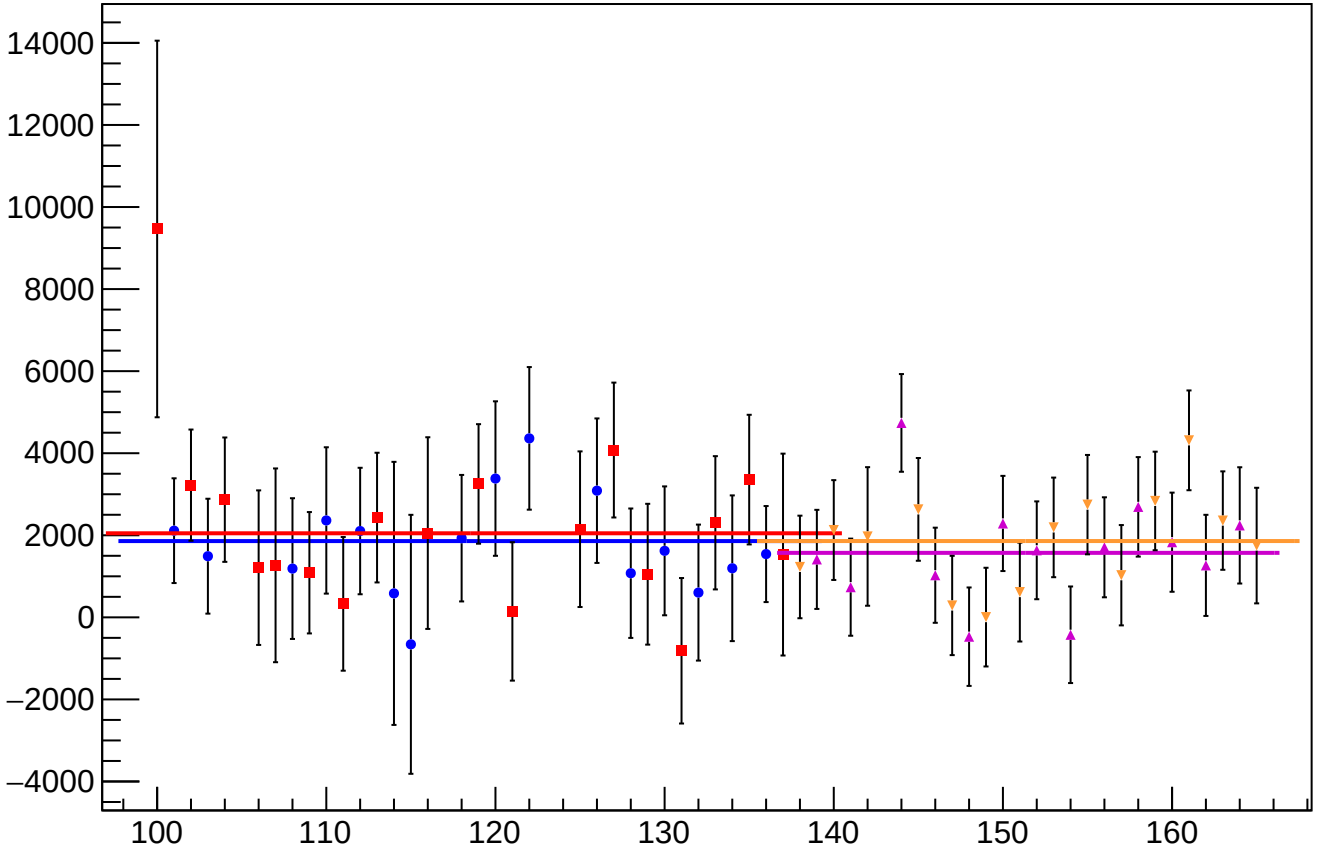
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1104.469+/-0.194 χ^2/NDF:3810727.2/28

Out: 1103.568+/-0.194 χ^2/NDF:4066980.5/31

All: 1104.018+/-0.137 χ^2/NDF: 7877718.5/60

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1859.453+/-333.949 χ^2/NDF:11.8/13

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

Left In: 1571.755+/-335.031 χ^2/NDF:15.2/12

Left: 1716.069+/-236.519 χ^2/NDF: 27.3/26

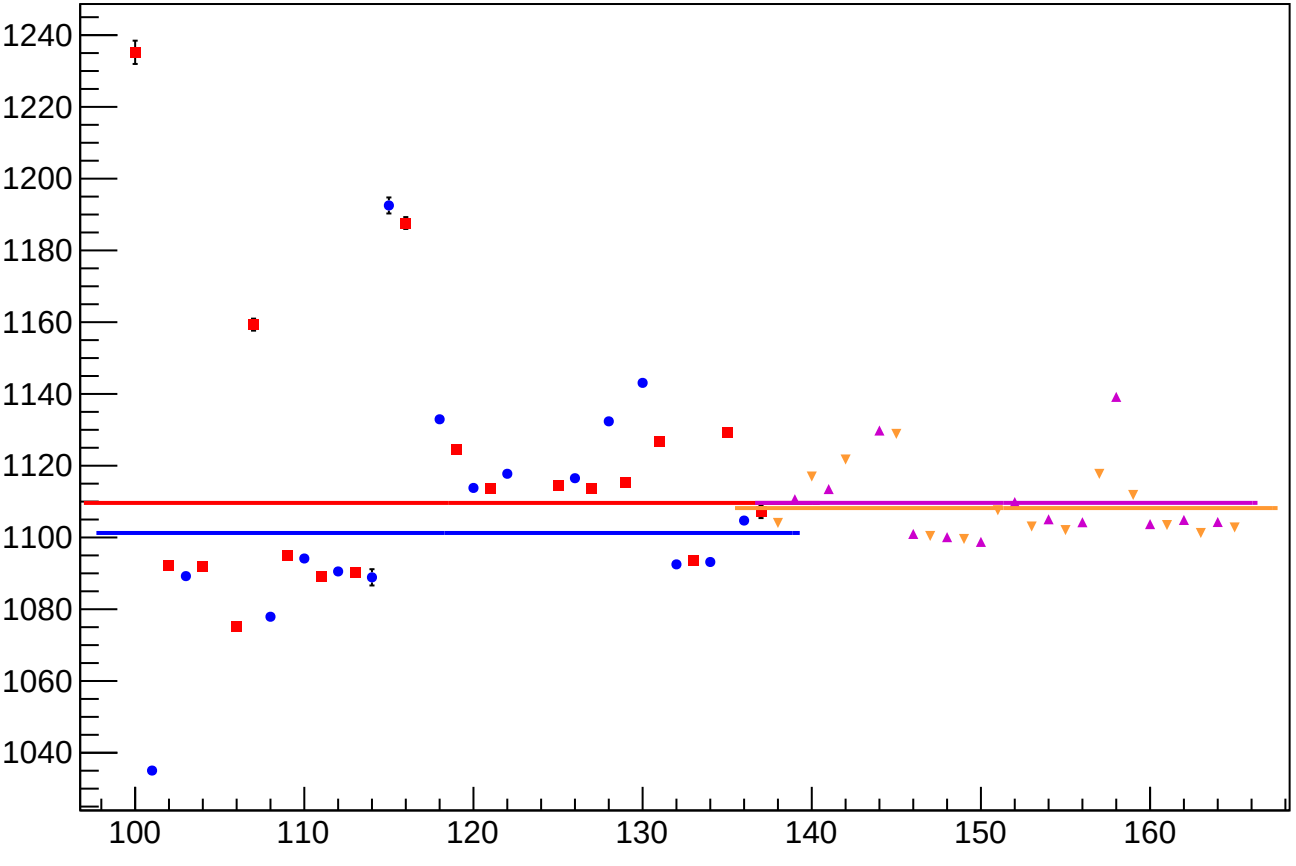
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1686.915+/-259.220 χ^2/NDF:20.9/28

Out: 1935.166+/-258.648 χ^2/NDF:24.7/31

All: 1811.315+/-183.094 χ^2/NDF: 46.0/60

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.191+/-0.236 χ^2/NDF:1339.5/13

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

Left In: 1109.642+/-0.237 χ^2/NDF:2372.5/12

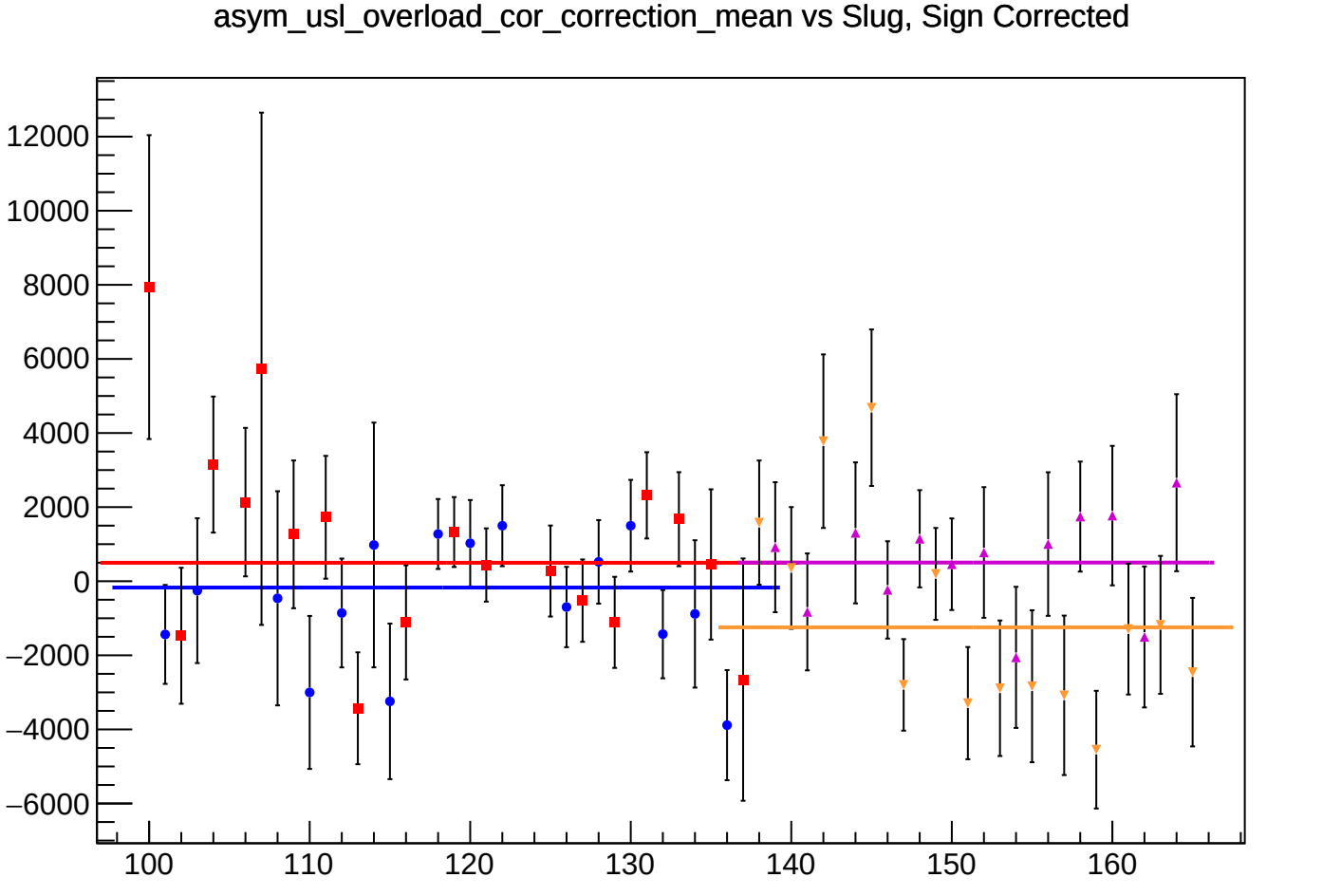
Left: 1108.914+/-0.167 χ^2/NDF: 3730.8/26

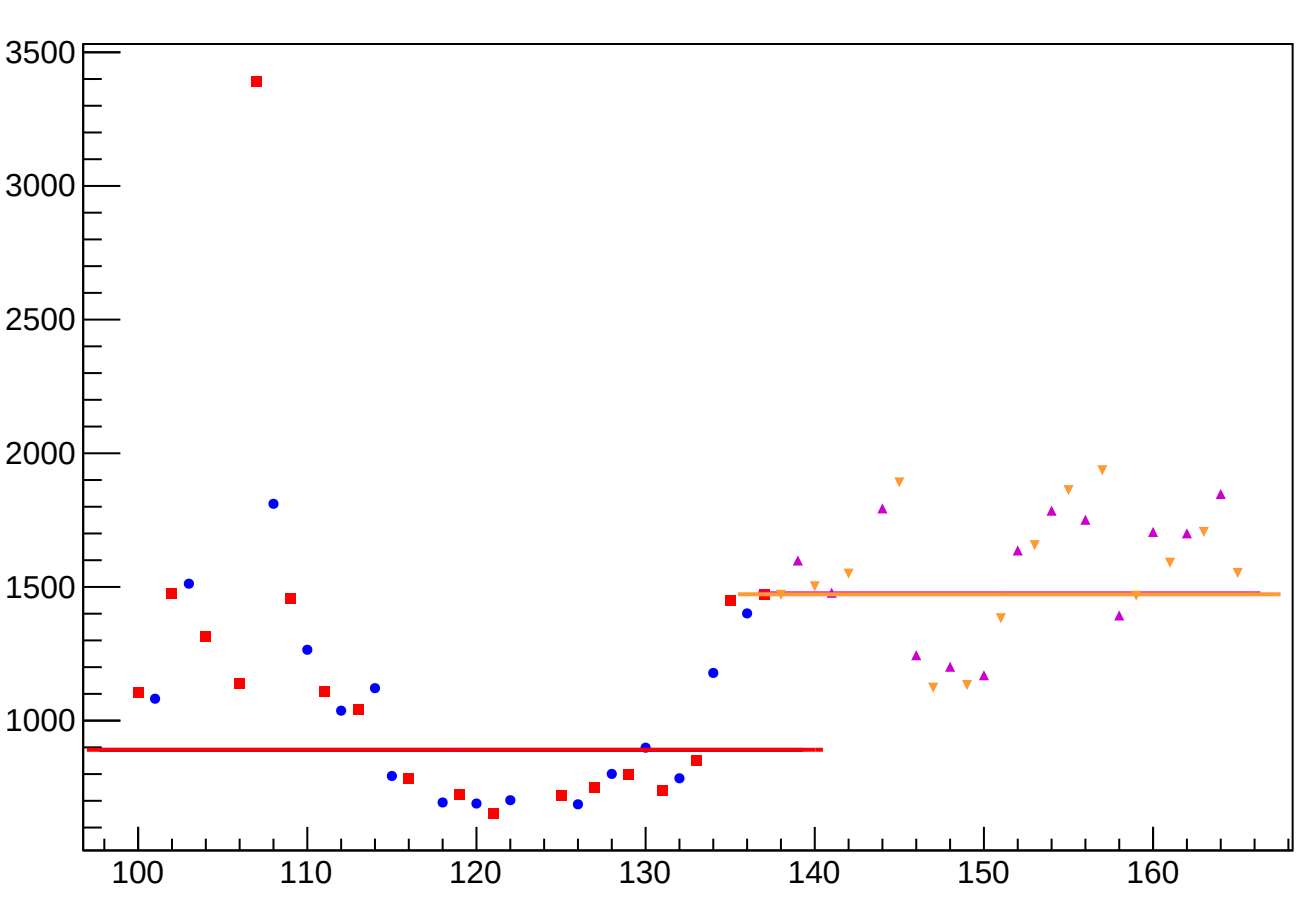
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1106.276+/-0.183 χ^2/NDF:14183.9/28

Out: 1108.766+/-0.183 χ^2/NDF:9027.4/31

All: 1107.524+/-0.129 χ^2/NDF: 23303.8/60


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1245.031+/-452.651 χ²/NDF:27.9/13
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 502.595+/-453.265 χ²/NDF:6.5/12
Left: -372.402+/-320.289 χ²/NDF: 41.8/26
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: 77.024+/-275.018 χ²/NDF:28.8/28
Out: -143.838+/-274.672 χ²/NDF:61.1/31
All: -33.546+/-194.345 χ²/NDF: 90.3/60



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

Left Out: 1472.475+/-0.320 χ^2/NDF:626973.3/13

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

Left In: 1475.991+/-0.321 χ^2/NDF:559918.7/12

Left: 1474.231+/-0.226 χ^2/NDF: 1186952.3/26

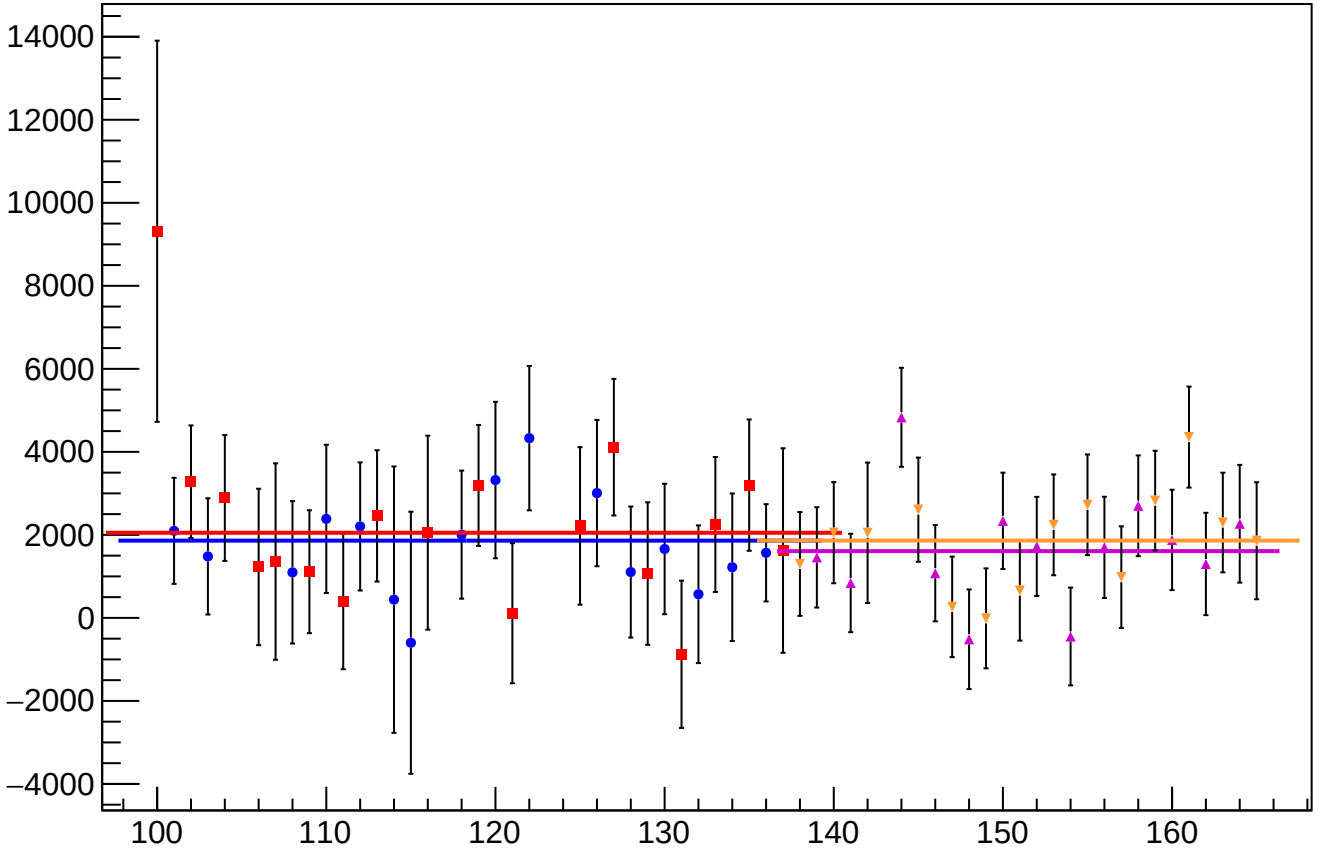
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1106.041+/-0.194 χ^2/NDF:3797252.5/28

Out: 1105.069+/-0.194 χ^2/NDF:4054352.7/31

All: 1105.555+/-0.137 χ^2/NDF: 7851617.7/60

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

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

Left In: 1608.419+/-335.372 χ^2/NDF:15.7/12

Left: 1736.050+/-236.763 χ^2/NDF: 27.8/26

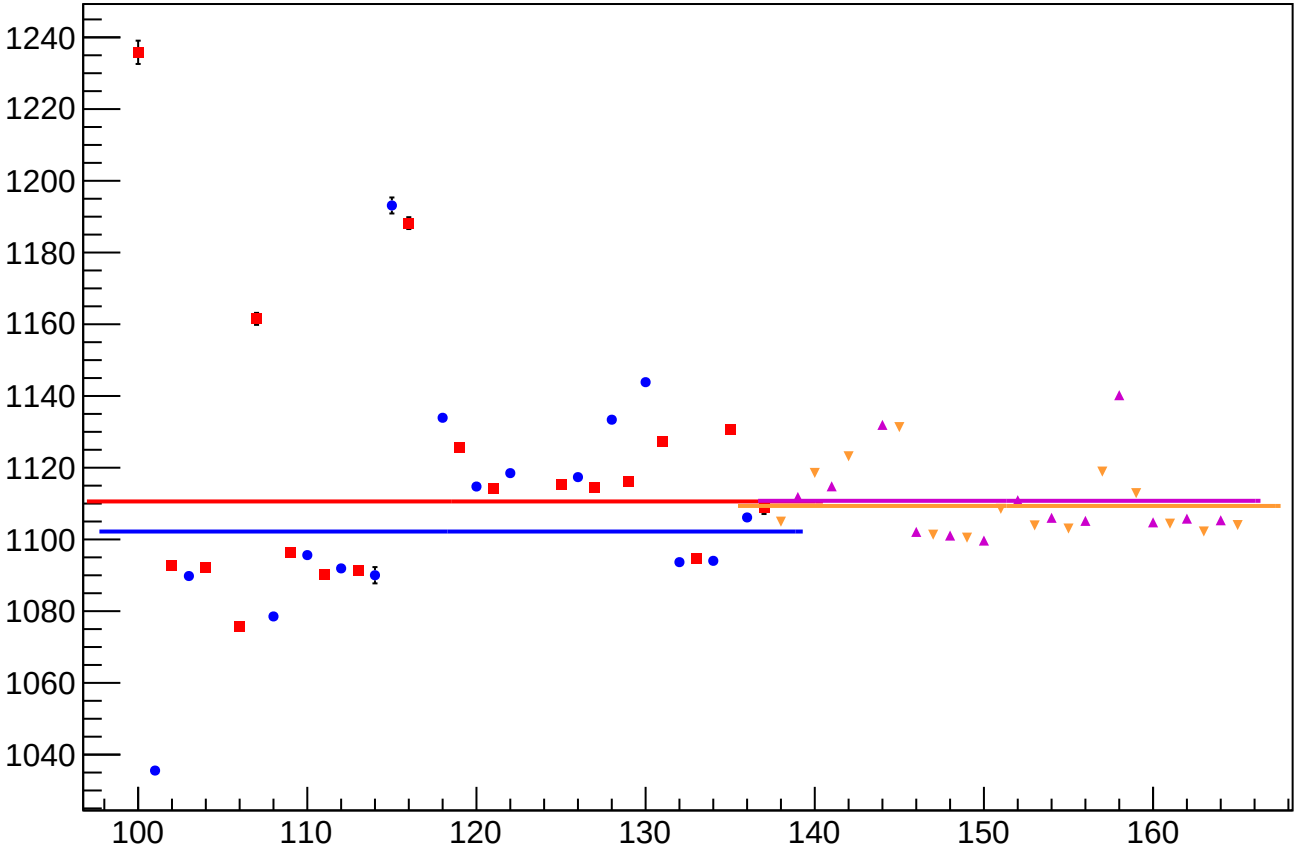
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1710.024+/-259.468 χ^2/NDF:21.2/28

Out: 1938.094+/-258.900 χ^2/NDF:24.5/31

All: 1824.309+/-183.270 χ^2/NDF: 46.1/60

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

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

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

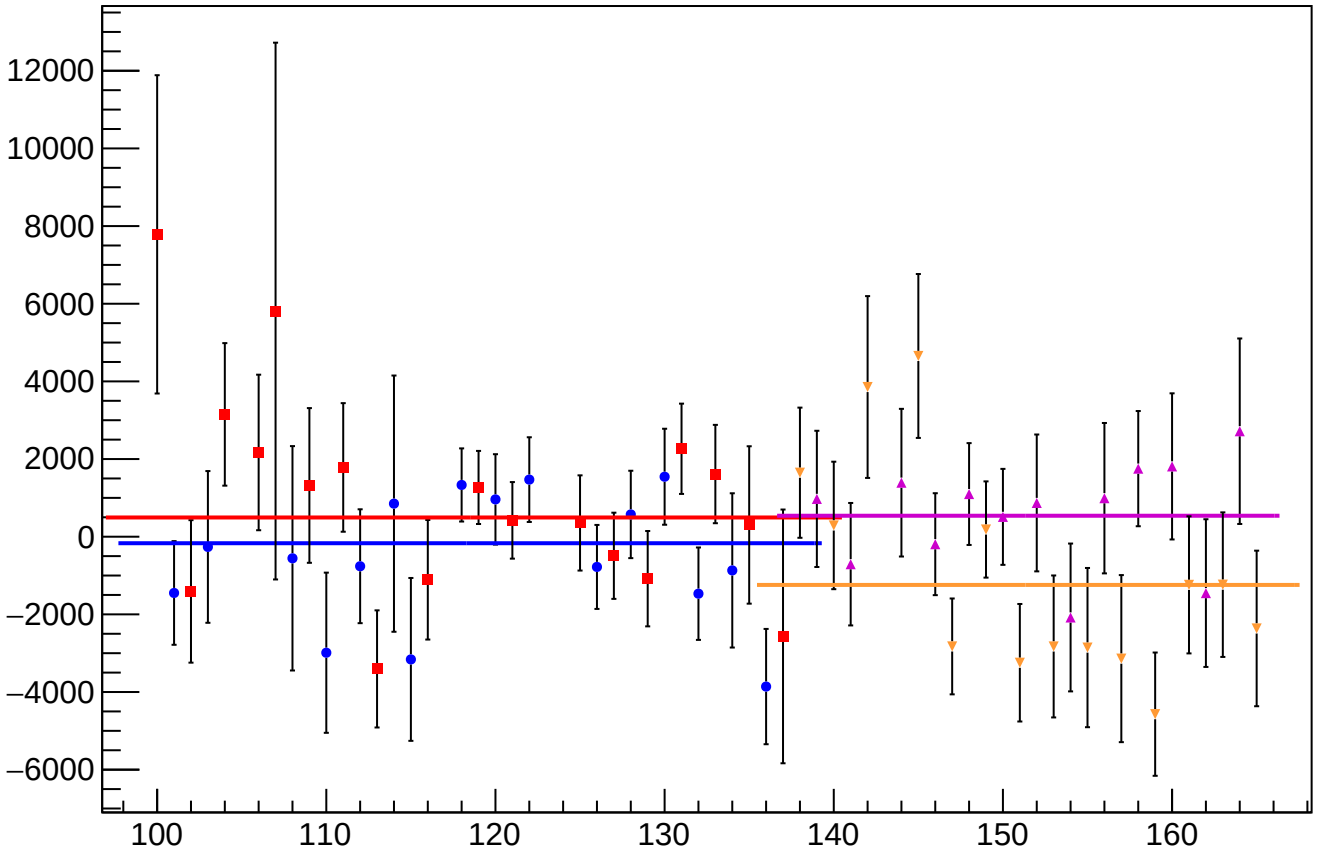
Left: 1110.051+/-0.167 χ^2/NDF: 3908.9/26

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

In: 1107.332+/-0.183 χ^2/NDF:14314.5/28

Out: 1109.839+/-0.183 χ^2/NDF:9155.9/31

All: 1108.588+/-0.130 χ^2/NDF: 23564.0/60



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -1241.880+/-452.381 χ^2/NDF:28.0/13

Right Out: 495.172+/-345.054 χ^2/NDF: 23.3/17

Left In: 539.958+/-452.996 χ^2/NDF:6.4/12

Left: -352.172+/-320.099 χ^2/NDF: 42.1/26

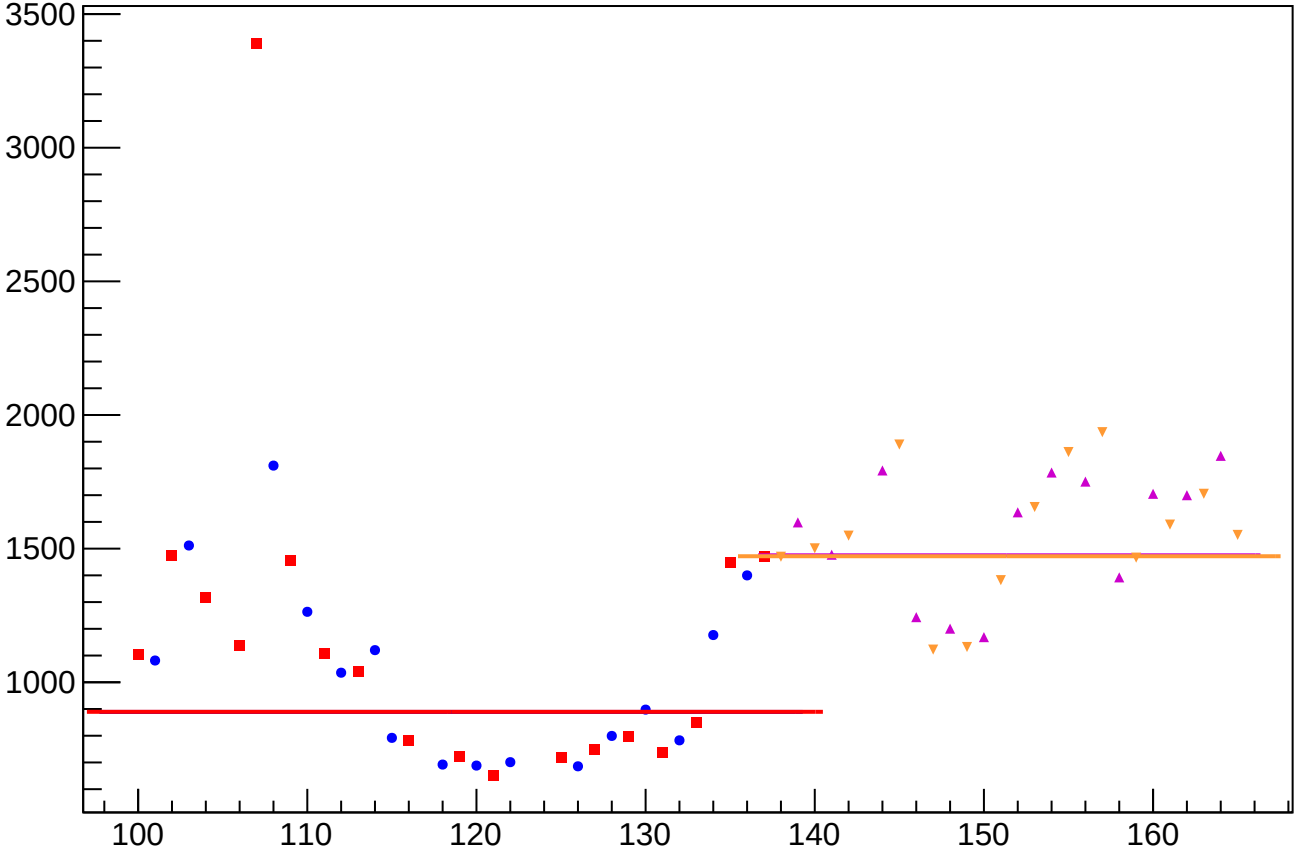
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 92.380+/-274.687 χ^2/NDF:29.0/28

Out: -143.723+/-274.355 χ^2/NDF:60.6/31

All: -25.814+/-194.116 χ^2/NDF: 89.9/60

asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

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

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

Left: 1473.313+/-0.226 χ^2/NDF: 1188850.2/26

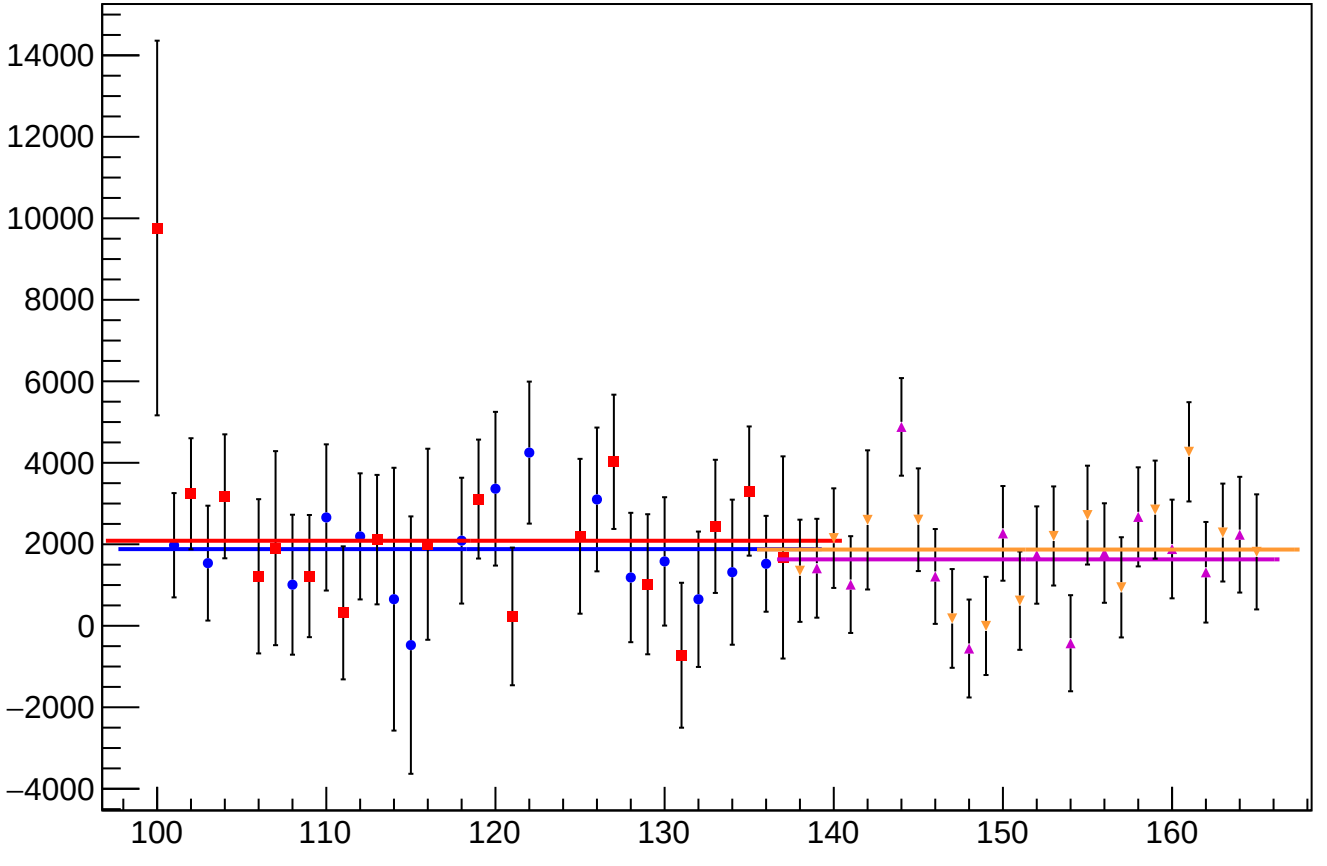
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1104.469+/-0.194 χ^2/NDF:3810727.2/28

Out: 1103.568+/-0.194 χ^2/NDF:4066980.5/31

All: 1104.018+/-0.137 χ^2/NDF: 7877718.5/60

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1871.165+/-335.020 χ^2/NDF:12.0/13

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1629.886+/-335.992 χ^2/NDF:15.5/12

Left: 1750.875+/-237.238 χ^2/NDF: 27.8/26

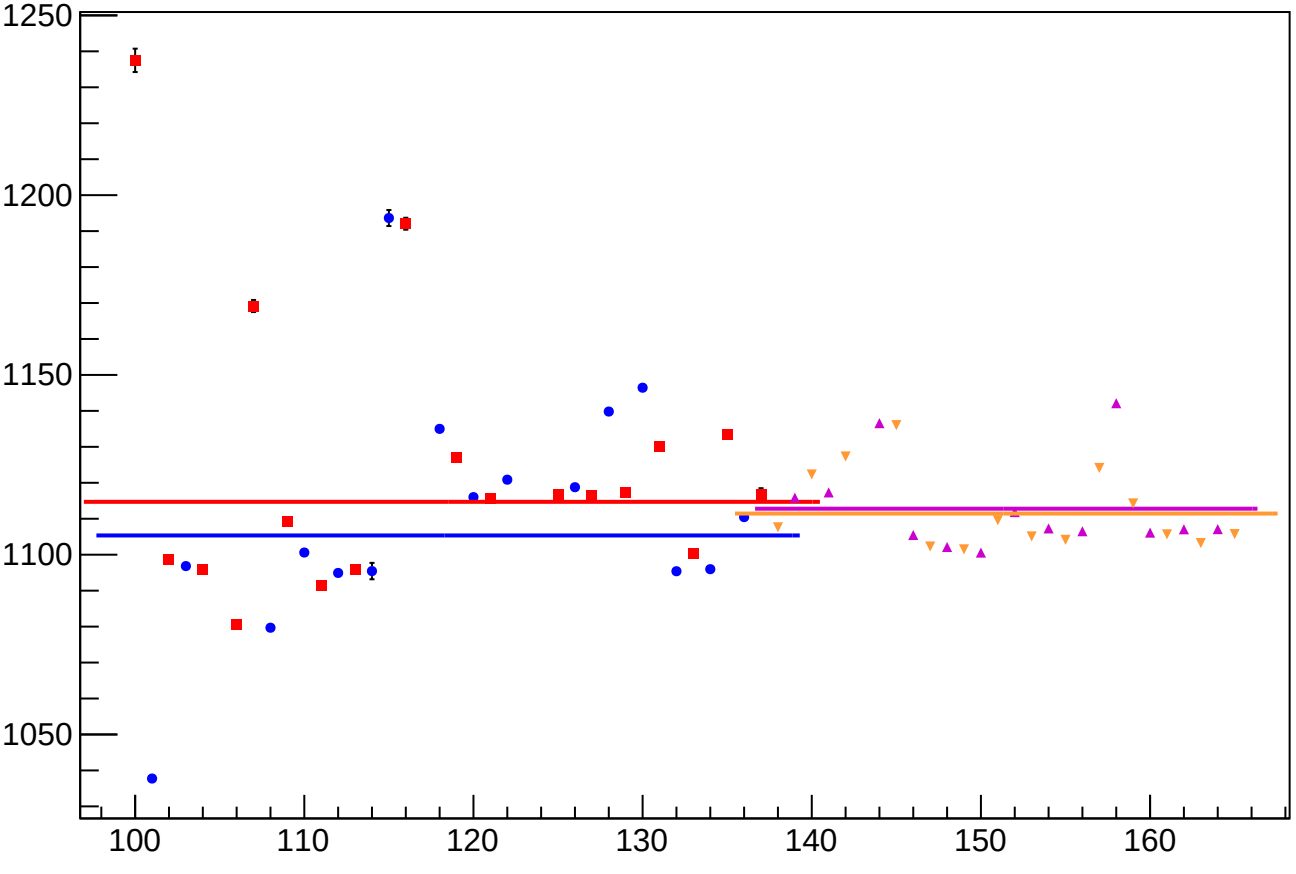
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1730.778+/-260.055 χ^2/NDF:20.9/28

Out: 1957.334+/-259.624 χ^2/NDF:24.5/31

All: 1844.244+/-183.734 χ^2/NDF: 45.8/60

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.443+/-0.237 χ^2/NDF:1889.3/13

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

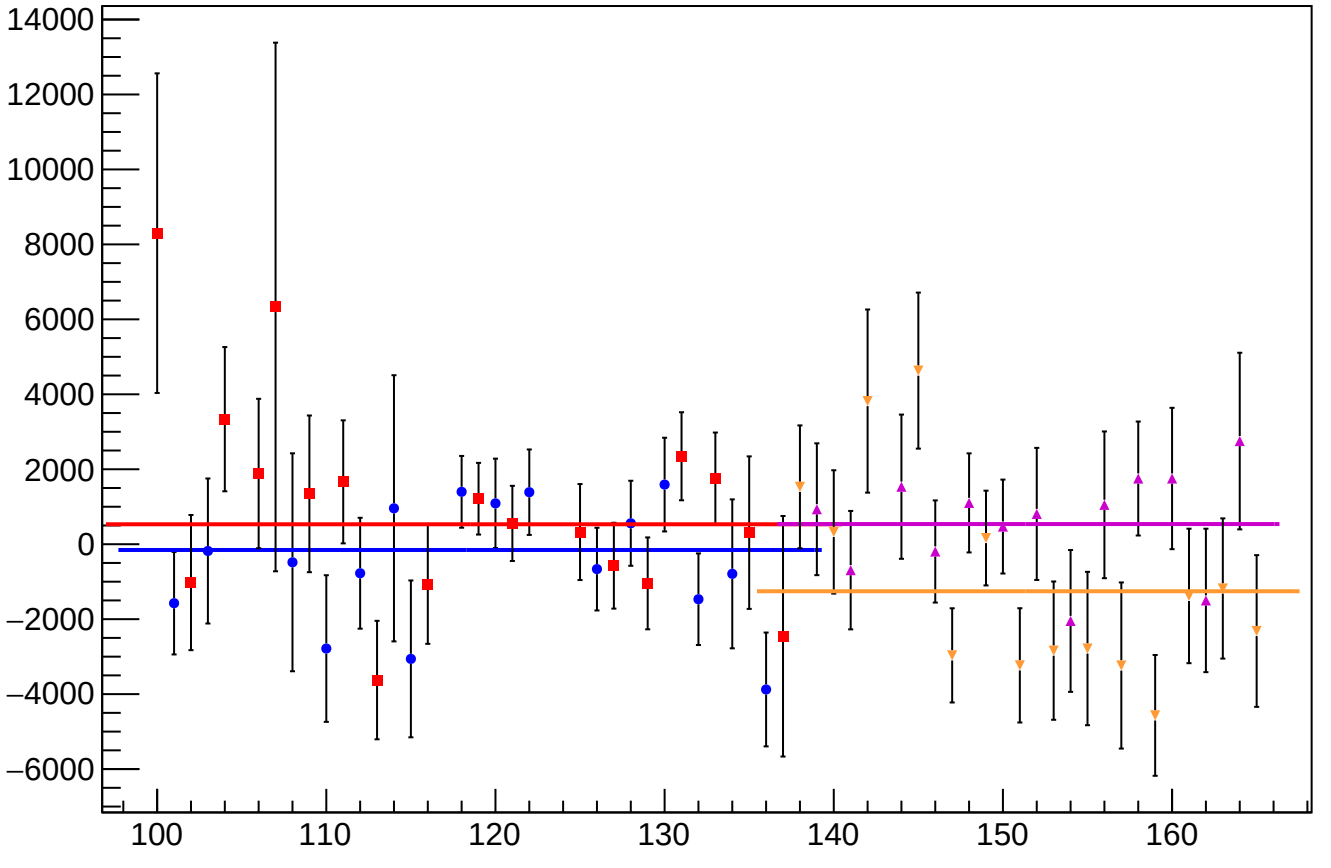
Left: 1112.118+/-0.168 χ^2/NDF: 4590.5/26

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

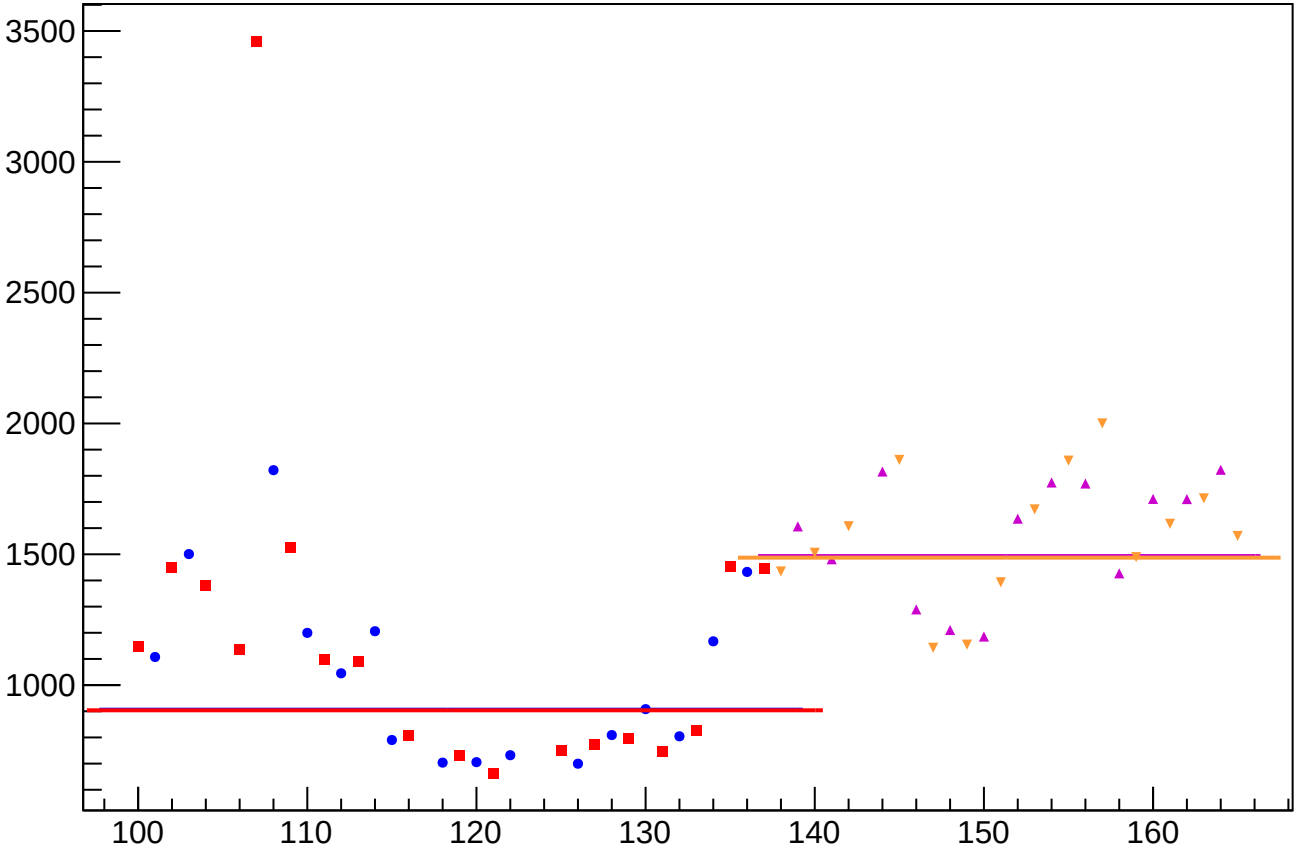
In: 1109.813+/-0.184 χ^2/NDF:14409.0/28

Out: 1112.746+/-0.184 χ^2/NDF:9295.4/31

All: 1111.282+/-0.130 χ^2/NDF: 23831.9/60


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
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1255.328+/-456.887 χ²/NDF:27.5/13
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 537.683+/-457.828 χ²/NDF:6.4/12
Left: -360.666+/-323.400 χ²/NDF: 41.6/26
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 102.345+/-278.715 χ²/NDF:28.3/28
Out: -129.853+/-278.048 χ²/NDF:60.4/31
All: -14.032+/-196.845 χ²/NDF: 89.1/60

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1487.157+/-0.323 χ^2/NDF:603712.3/13

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1493.303+/-0.324 χ^2/NDF:514540.4/12

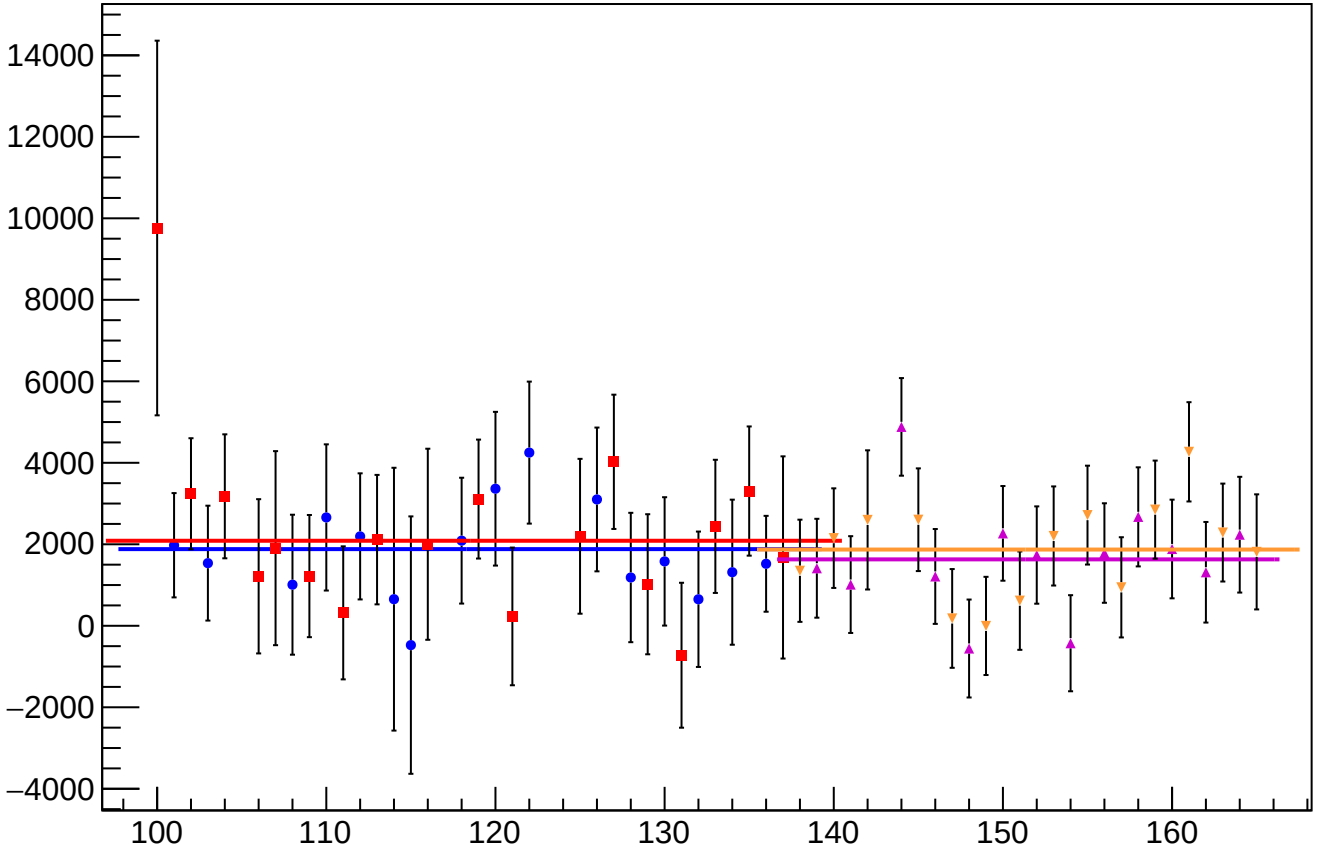
Left: 1490.224+/-0.229 χ^2/NDF: 1118433.3/26

Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1123.682+/-0.197 χ^2/NDF:3665156.4/28

Out: 1119.821+/-0.197 χ^2/NDF:3996955.4/31

All: 1121.747+/-0.139 χ^2/NDF: 7662304.3/60



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1871.160+/-335.020 χ^2/NDF:12.0/13

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1629.888+/-335.992 χ^2/NDF:15.5/12

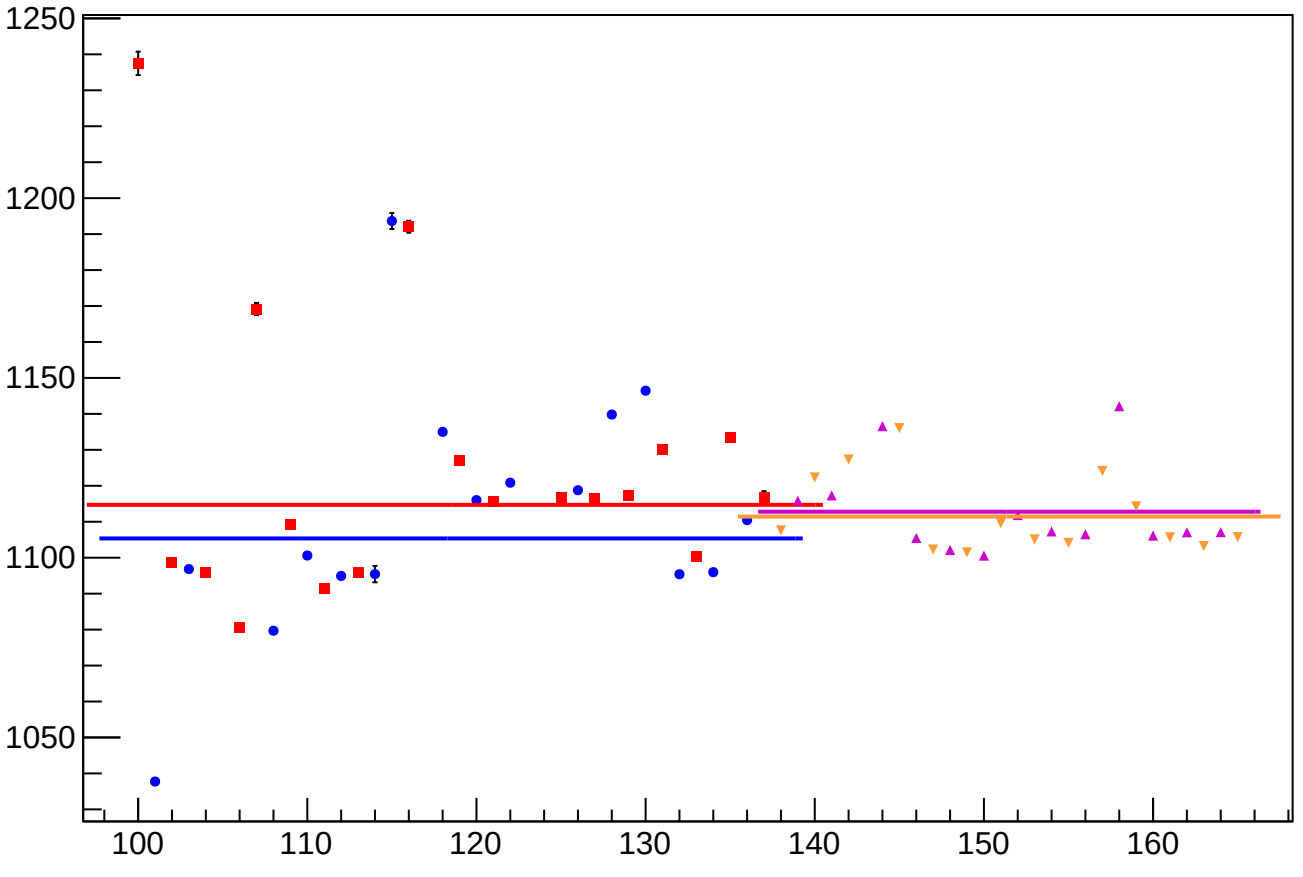
Left: 1750.874+/-237.238 χ^2/NDF: 27.8/26

Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1730.779+/-260.055 χ^2/NDF:20.9/28

Out: 1957.331+/-259.624 χ^2/NDF:24.5/31

All: 1844.242+/-183.734 χ^2/NDF: 45.8/60



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.443+/-0.237 χ^2/NDF:1889.3/13

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

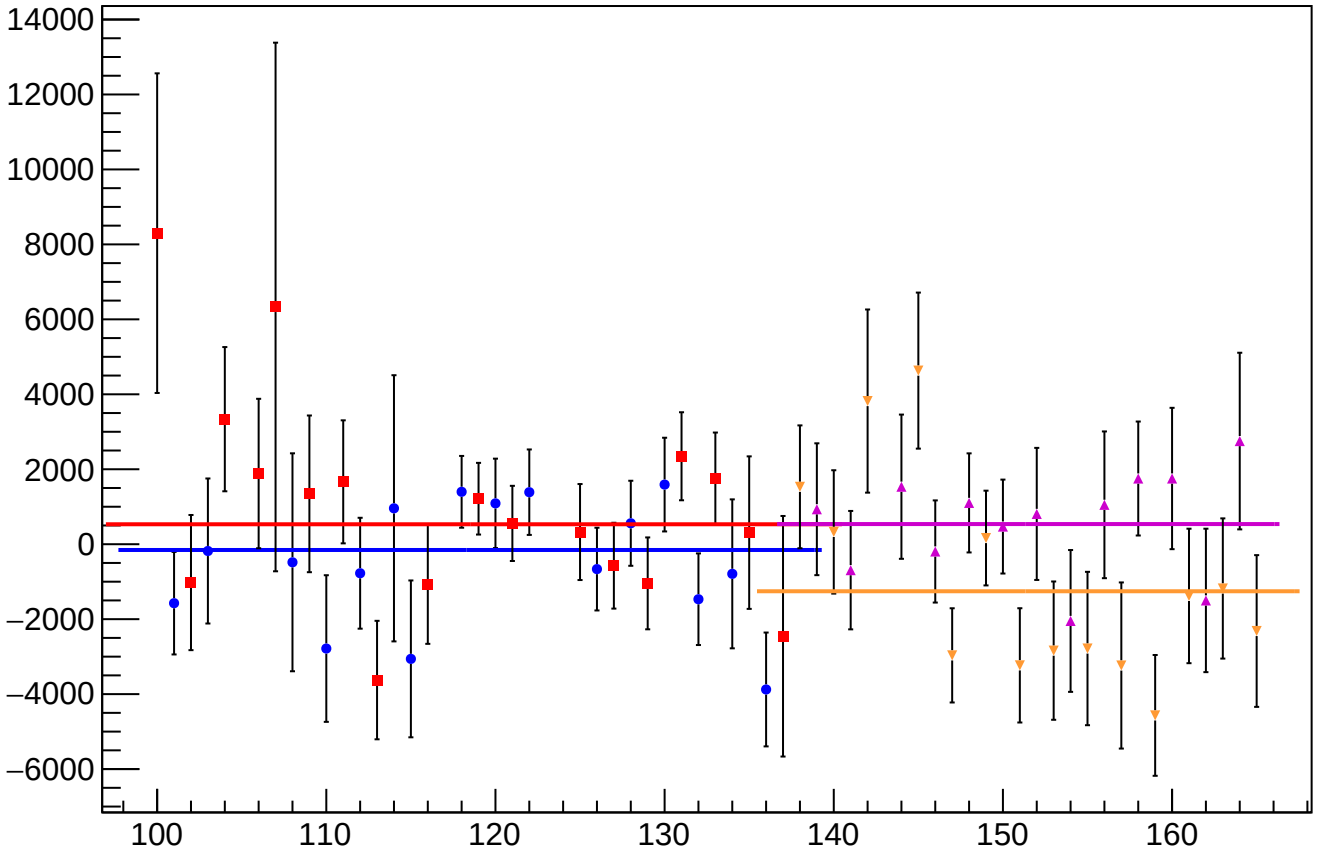
Left: 1112.118+/-0.168 χ^2/NDF: 4590.5/26

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1109.813+/-0.184 χ^2/NDF:14409.0/28

Out: 1112.746+/-0.184 χ^2/NDF:9295.3/31

All: 1111.282+/-0.130 χ^2/NDF: 23831.8/60



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -1255.333+/-456.888 χ^2/NDF:27.5/13

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 537.686+/-457.828 χ^2/NDF:6.4/12

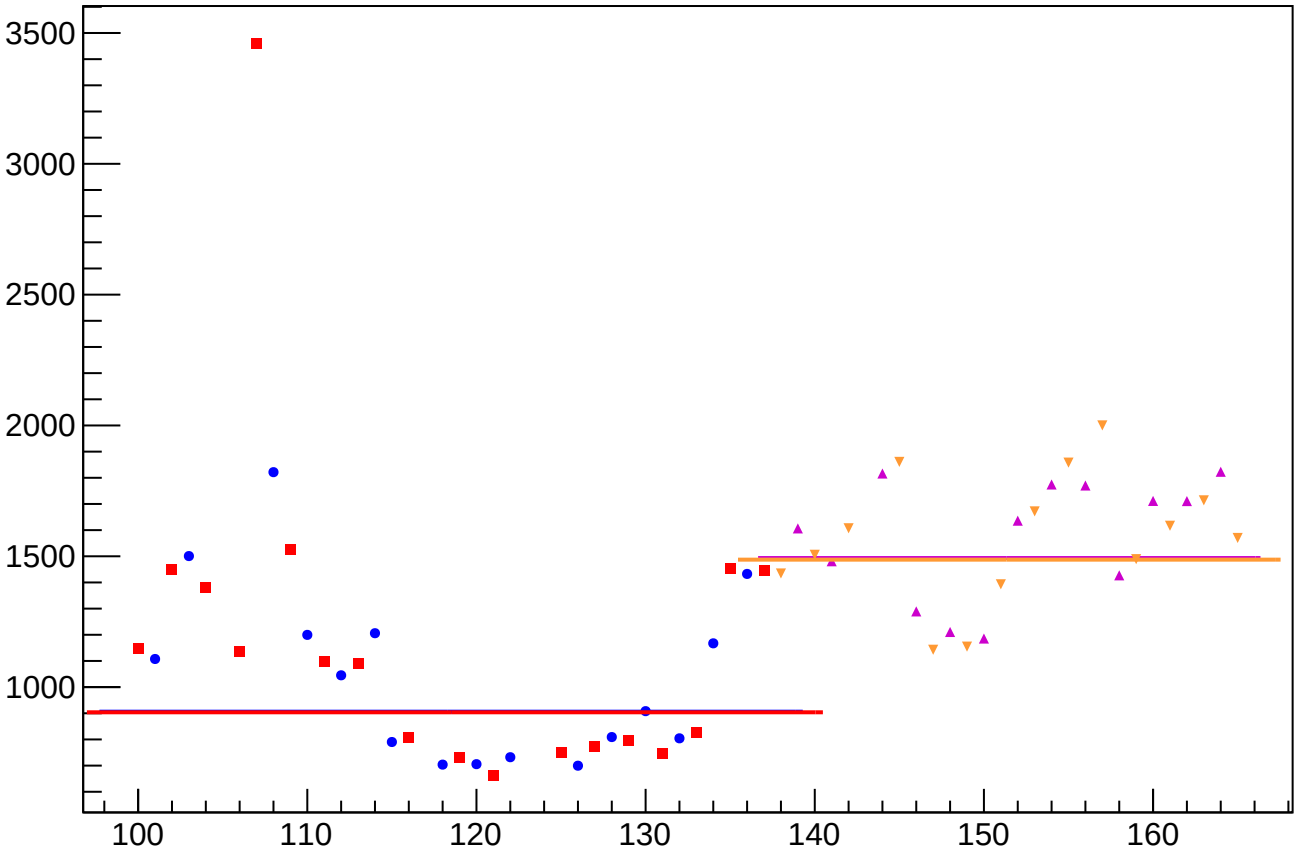
Left: -360.667+/-323.401 χ^2/NDF: 41.6/26

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 102.345+/-278.715 χ^2/NDF:28.3/28

Out: -129.852+/-278.048 χ^2/NDF:60.4/31

All: -14.032+/-196.845 χ^2/NDF: 89.1/60



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1487.159+/-0.323 χ^2/NDF:603709.0/13

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1493.305+/-0.324 χ^2/NDF:514536.9/12

Left: 1490.226+/-0.229 χ^2/NDF: 1118426.4/26

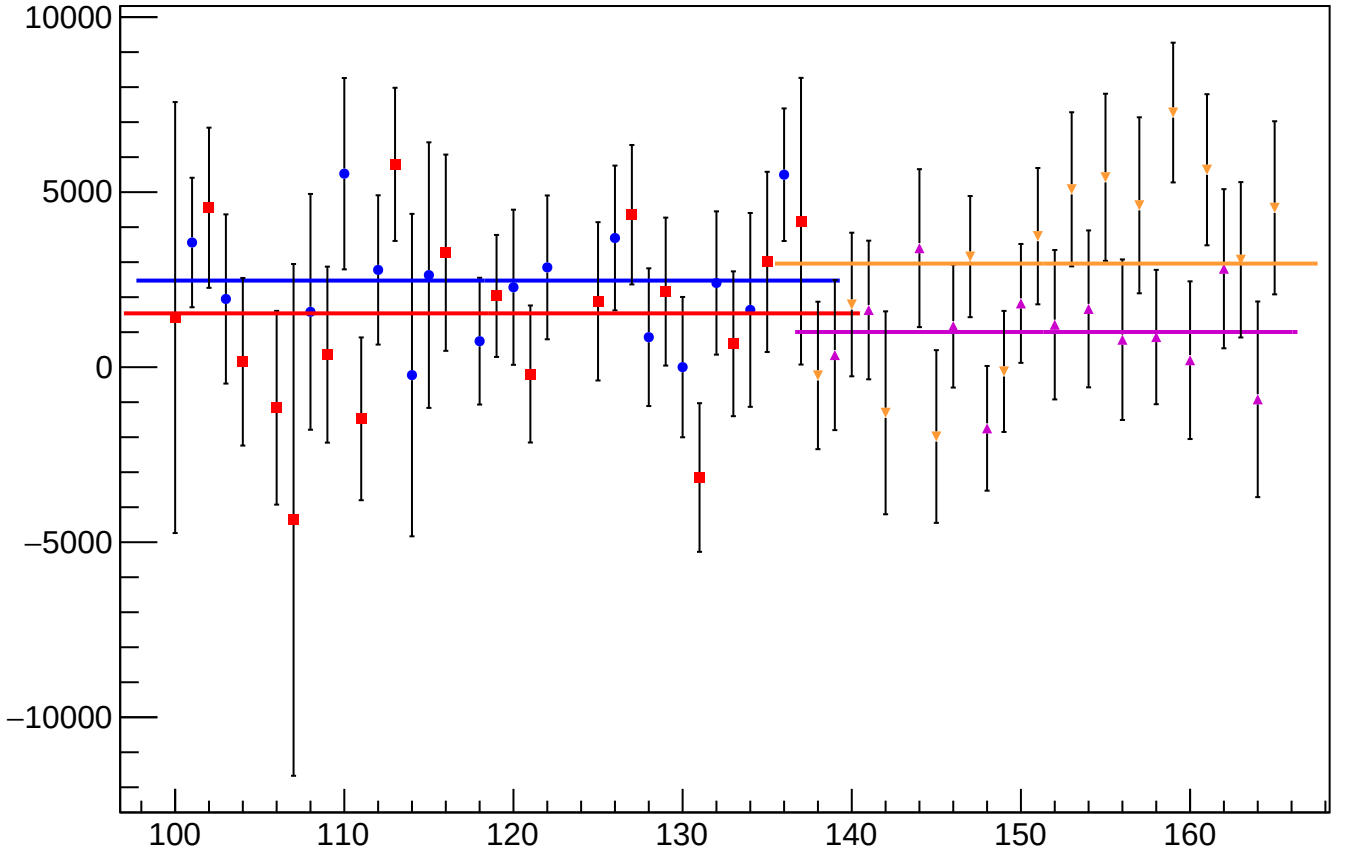
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1123.681+/-0.197 χ^2/NDF:3665185.4/28

Out: 1119.820+/-0.197 χ^2/NDF:3996984.8/31

All: 1121.746+/-0.139 χ^2/NDF: 7662362.5/60

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2959.576+/-572.497 χ^2/NDF:21.2/13

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1005.139+/-572.193 χ^2/NDF:5.3/12

Left: 1981.838+/-404.709 χ^2/NDF: 32.3/26

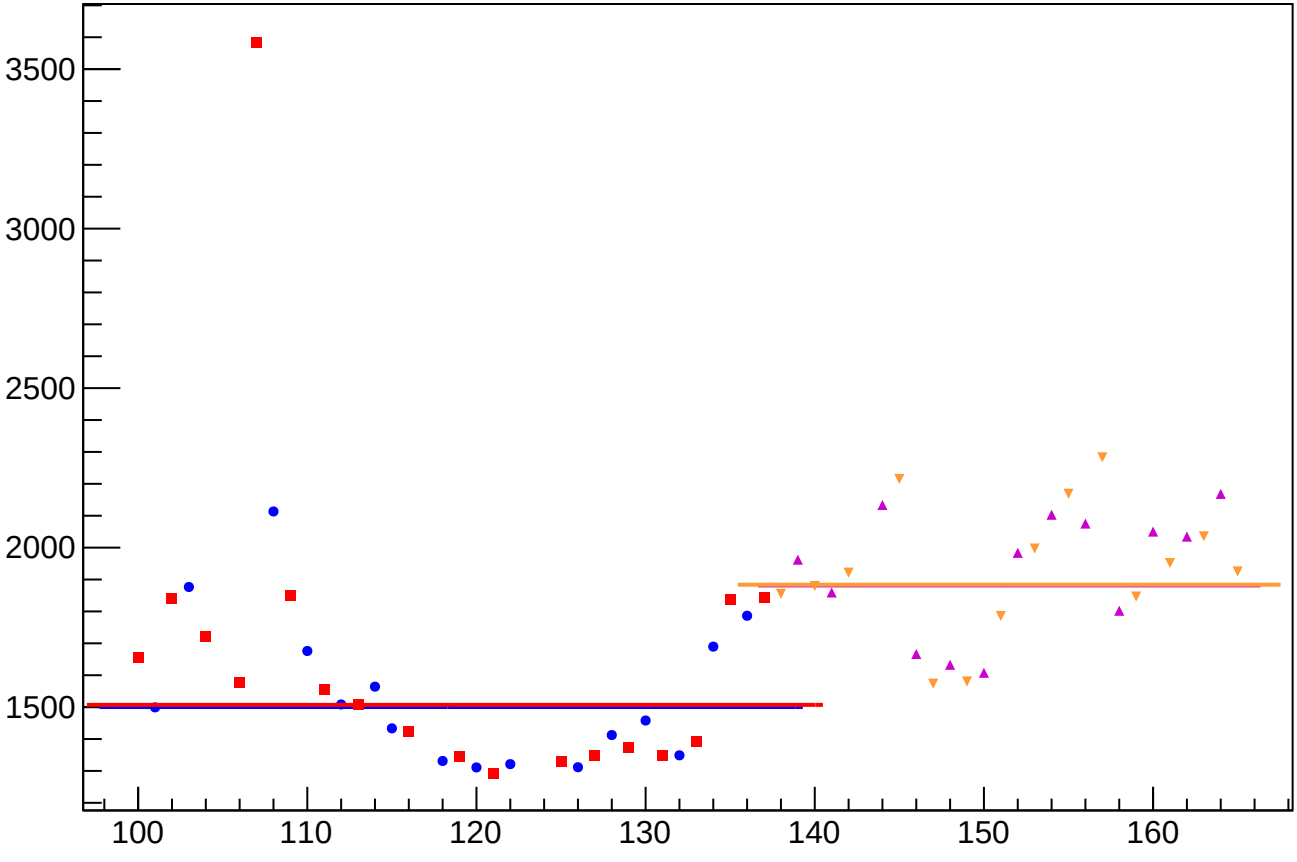
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1751.764+/-401.238 χ^2/NDF:16.9/28

Out: 2237.313+/-401.618 χ^2/NDF:42.9/31

All: 1994.309+/-283.852 χ^2/NDF: 60.5/60

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1883.752+/-0.405 χ^2/NDF:264603.1/13

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1881.527+/-0.405 χ^2/NDF:232297.5/12

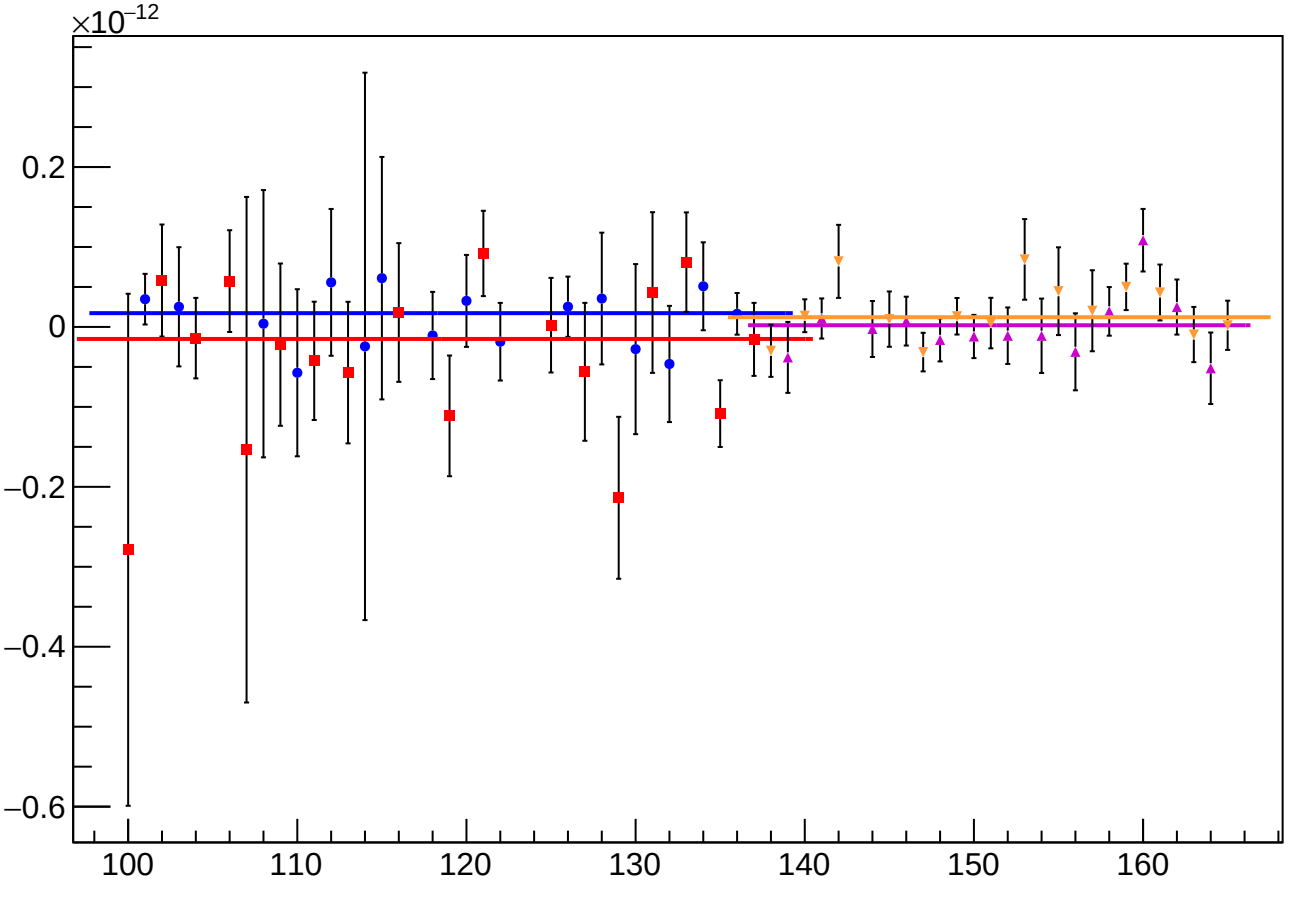
Left: 1882.639+/-0.286 χ^2/NDF: 496915.8/26

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1687.797+/-0.284 χ^2/NDF:942155.1/28

Out: 1692.461+/-0.284 χ^2/NDF:1105496.0/31

All: 1690.127+/-0.201 χ^2/NDF: 2047786.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/12

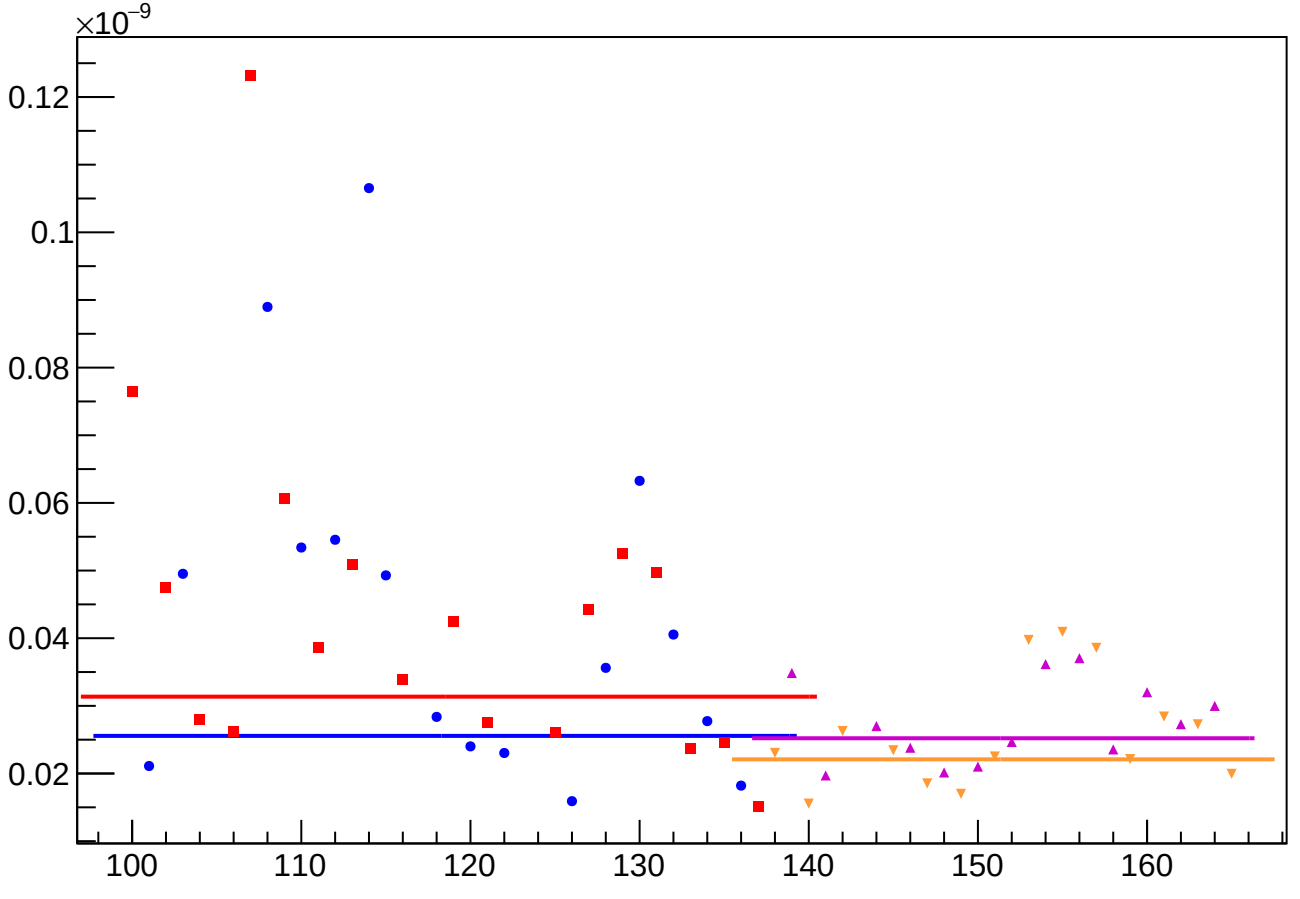
Left: 0.000+/-0.000 χ^2/NDF: 25.4/26

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:16.3/28

Out: 0.000+/-0.000 χ^2/NDF:36.3/31

All: 0.000+/-0.000 χ^2/NDF: 52.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1180165.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:647810.1/12

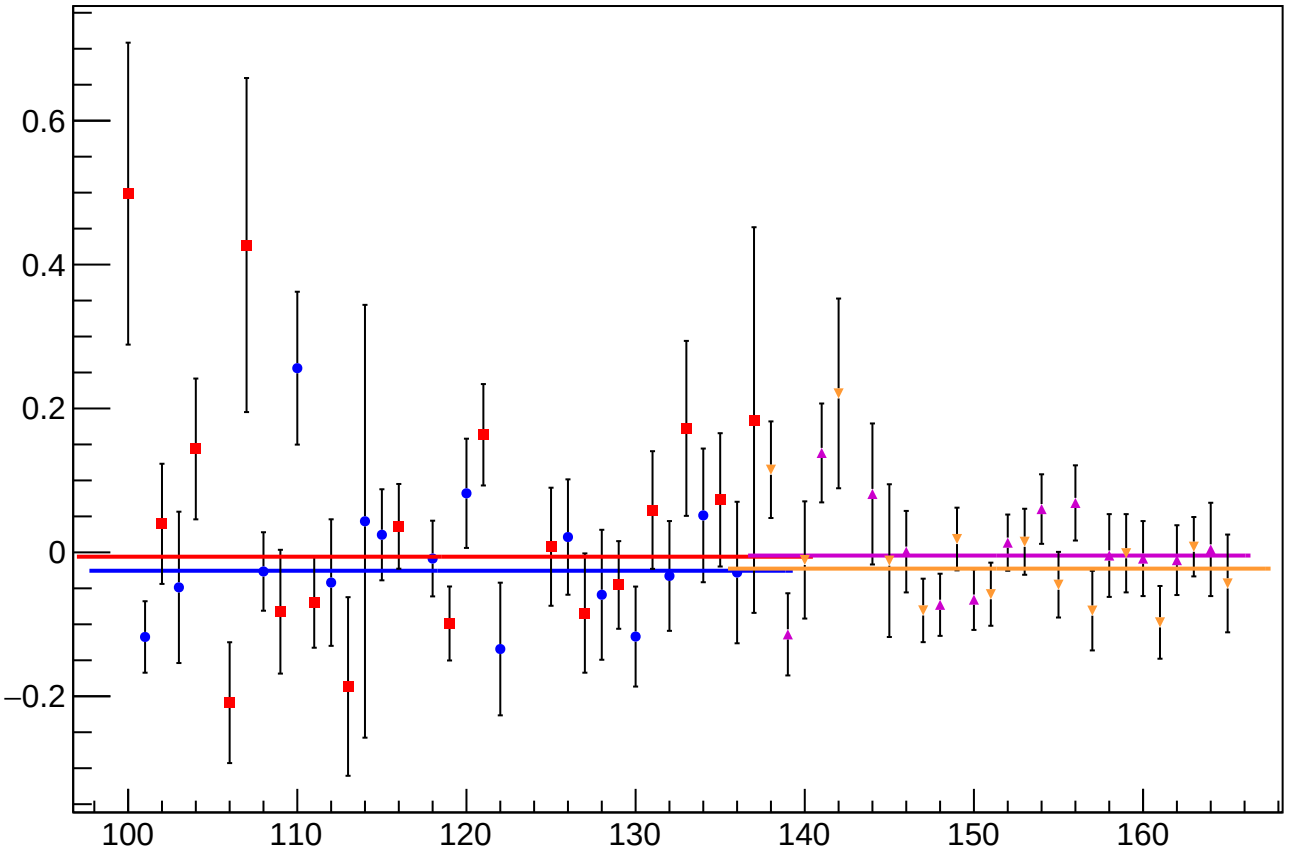
Left: 0.000+/-0.000 χ^2/NDF: 1951583.2/26

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:2356530.1/28

Out: 0.000+/-0.000 χ^2/NDF:2930183.1/31

All: 0.000+/-0.000 χ^2/NDF: 5314338.7/60



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

Left: -0.014+/-0.010 χ^2/NDF: 34.1/26

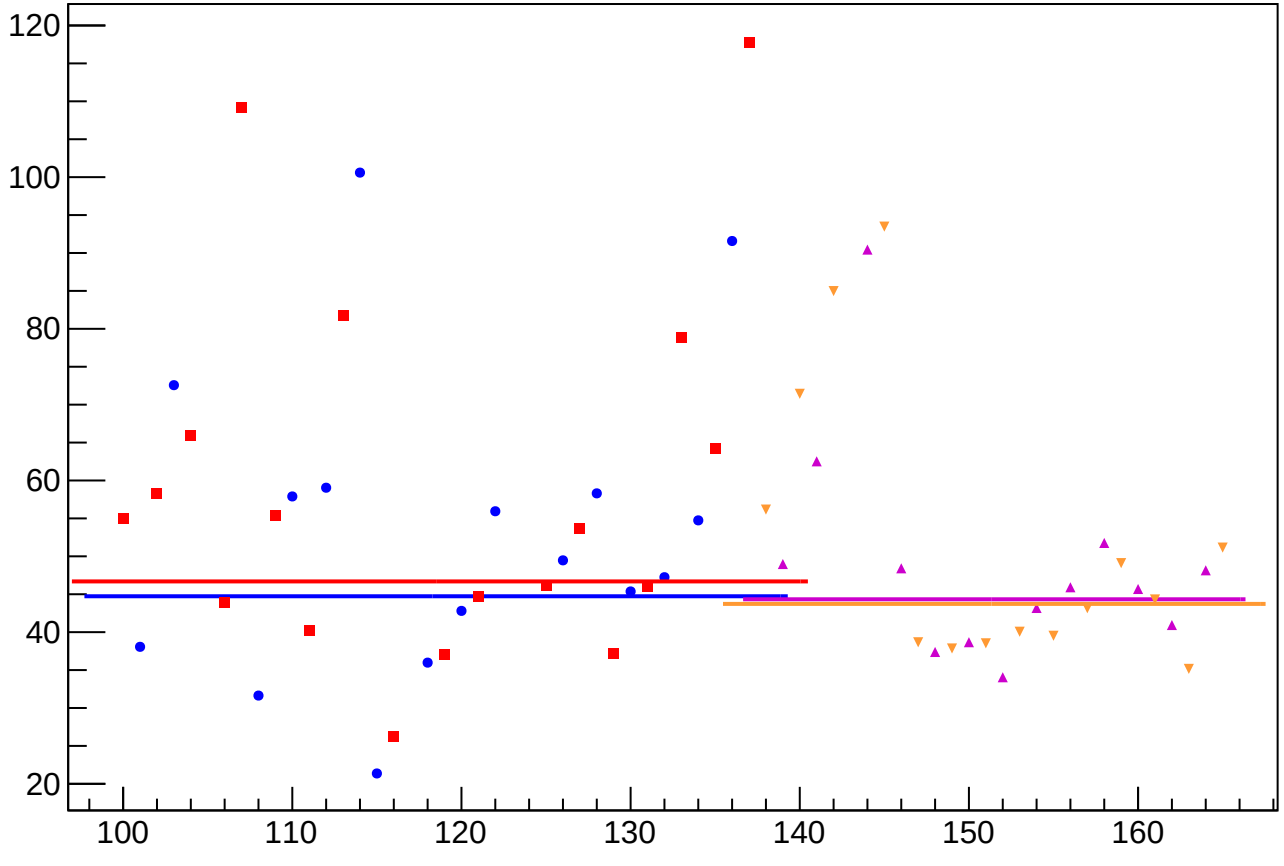
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.014+/-0.008 χ^2/NDF: 88.8/60

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185667.1/13

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

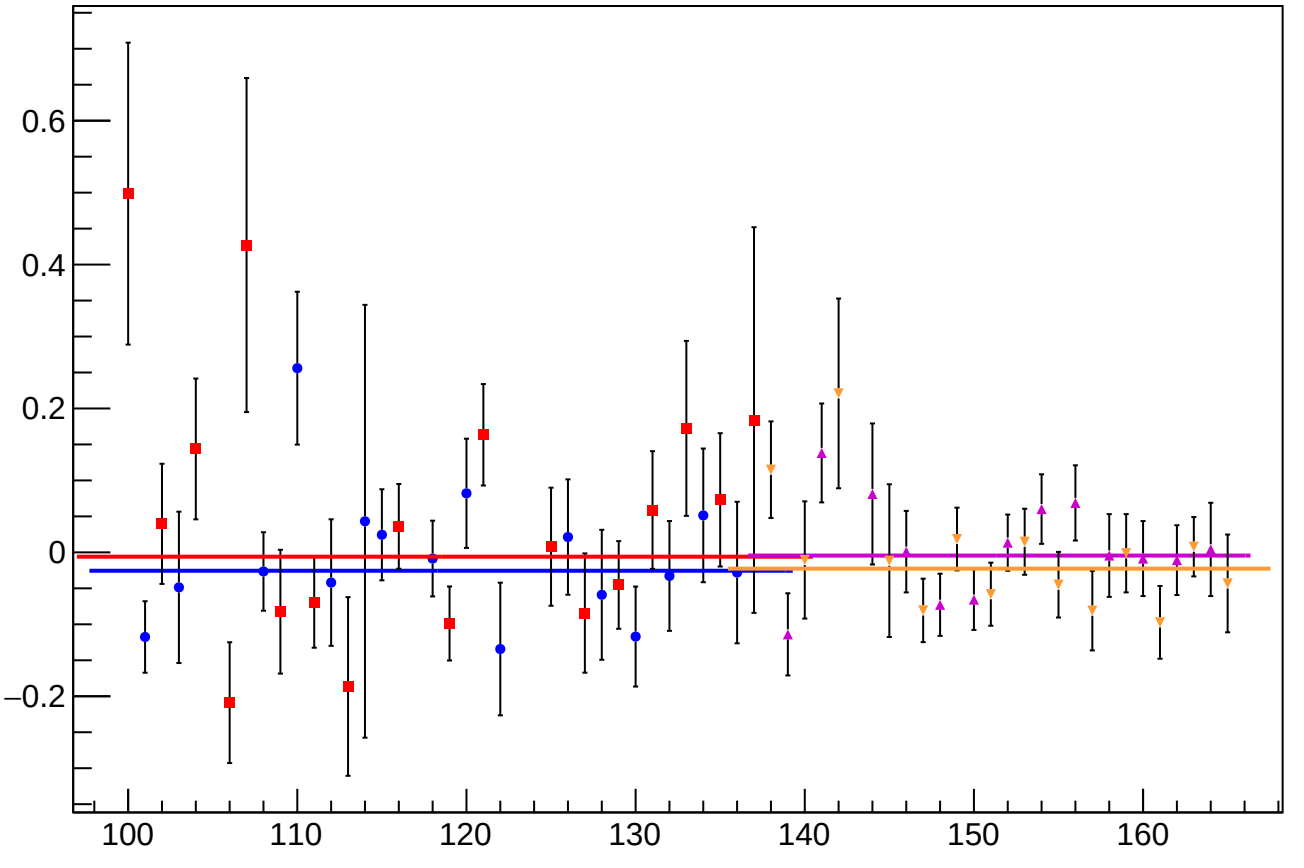
Left: 44.028+/-0.007 χ^2/NDF: 2074993.0/26

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.483+/-0.008 χ^2/NDF:2222626.8/28

Out: 44.769+/-0.008 χ^2/NDF:2411434.9/31

All: 44.625+/-0.006 χ^2/NDF: 4634685.1/60



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

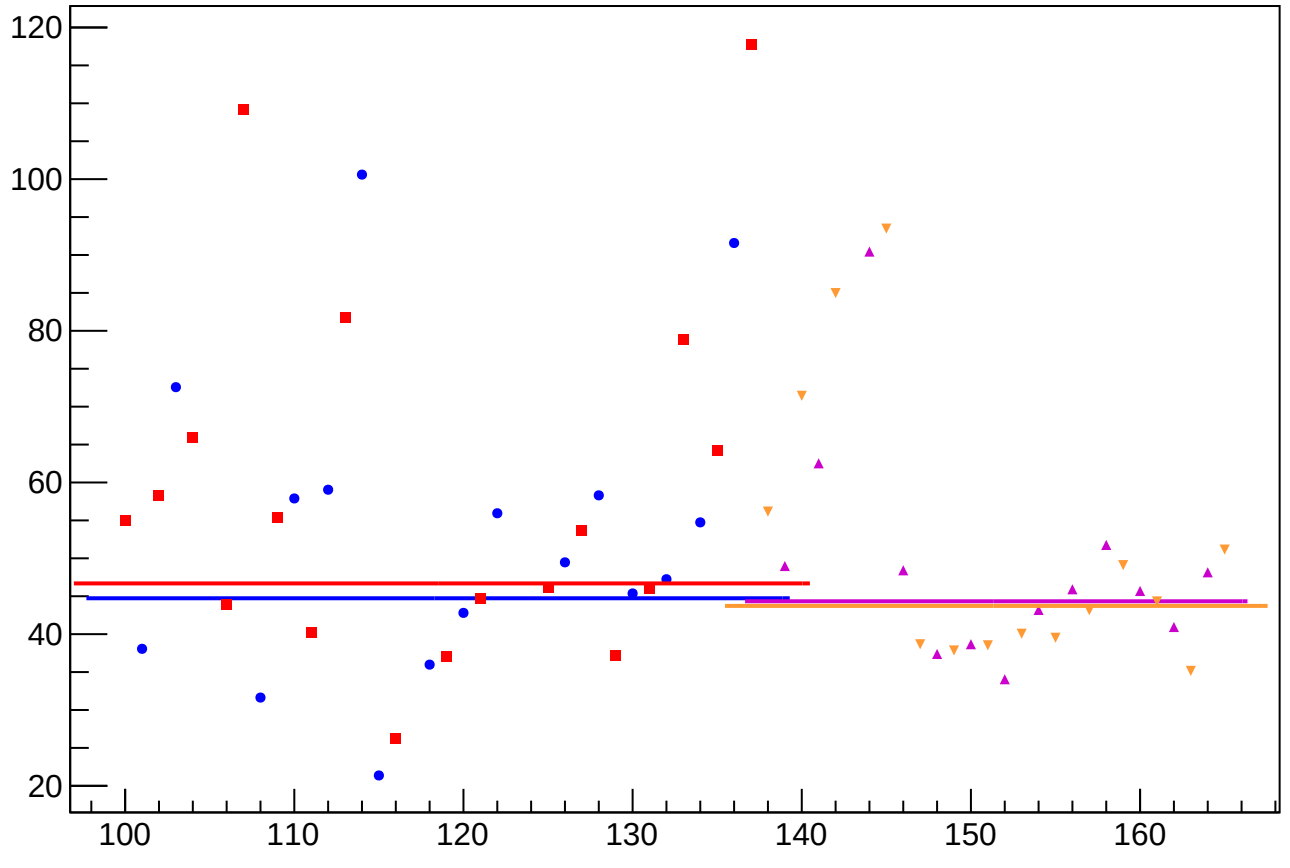
Left: -0.014+/-0.010 χ^2/NDF: 34.1/26

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.014+/-0.008 χ^2/NDF: 88.8/60



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185667.1/13

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

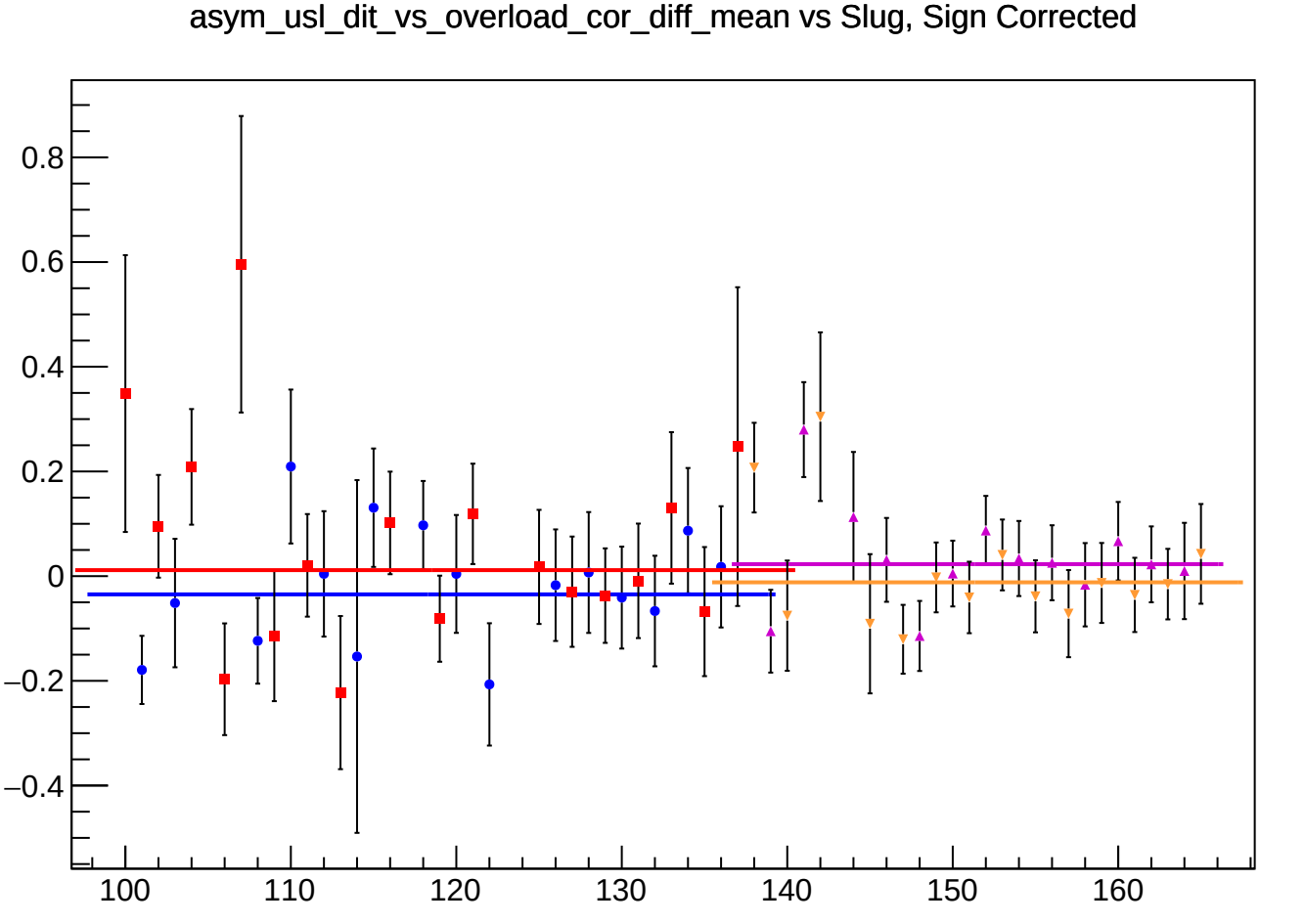
Left: 44.028+/-0.007 χ^2/NDF: 2074993.0/26

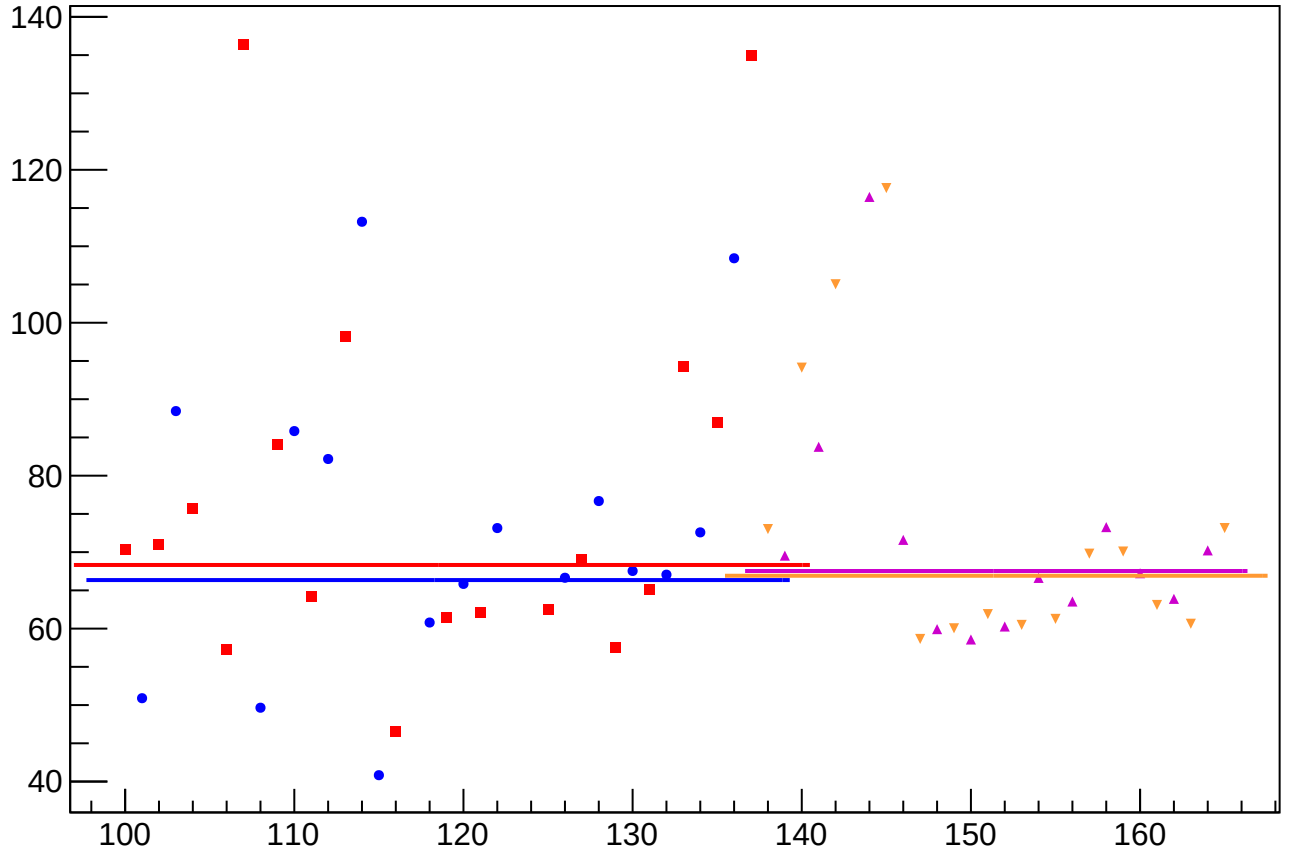
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.483+/-0.008 χ^2/NDF:2222626.8/28

Out: 44.769+/-0.008 χ^2/NDF:2411434.9/31

All: 44.625+/-0.006 χ^2/NDF: 4634685.1/60


asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.012+/-0.021 χ²/NDF:15.8/13
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.023+/-0.021 χ²/NDF:17.1/12
Left: 0.005+/-0.015 χ²/NDF: 34.2/26
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: 0.000+/-0.016 χ²/NDF:37.4/28
Out: -0.003+/-0.017 χ²/NDF:39.0/31
All: -0.001+/-0.012 χ²/NDF: 76.4/60



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 66.913+/-0.015 χ^2/NDF:679060.4/13

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.534+/-0.015 χ^2/NDF:494734.1/12

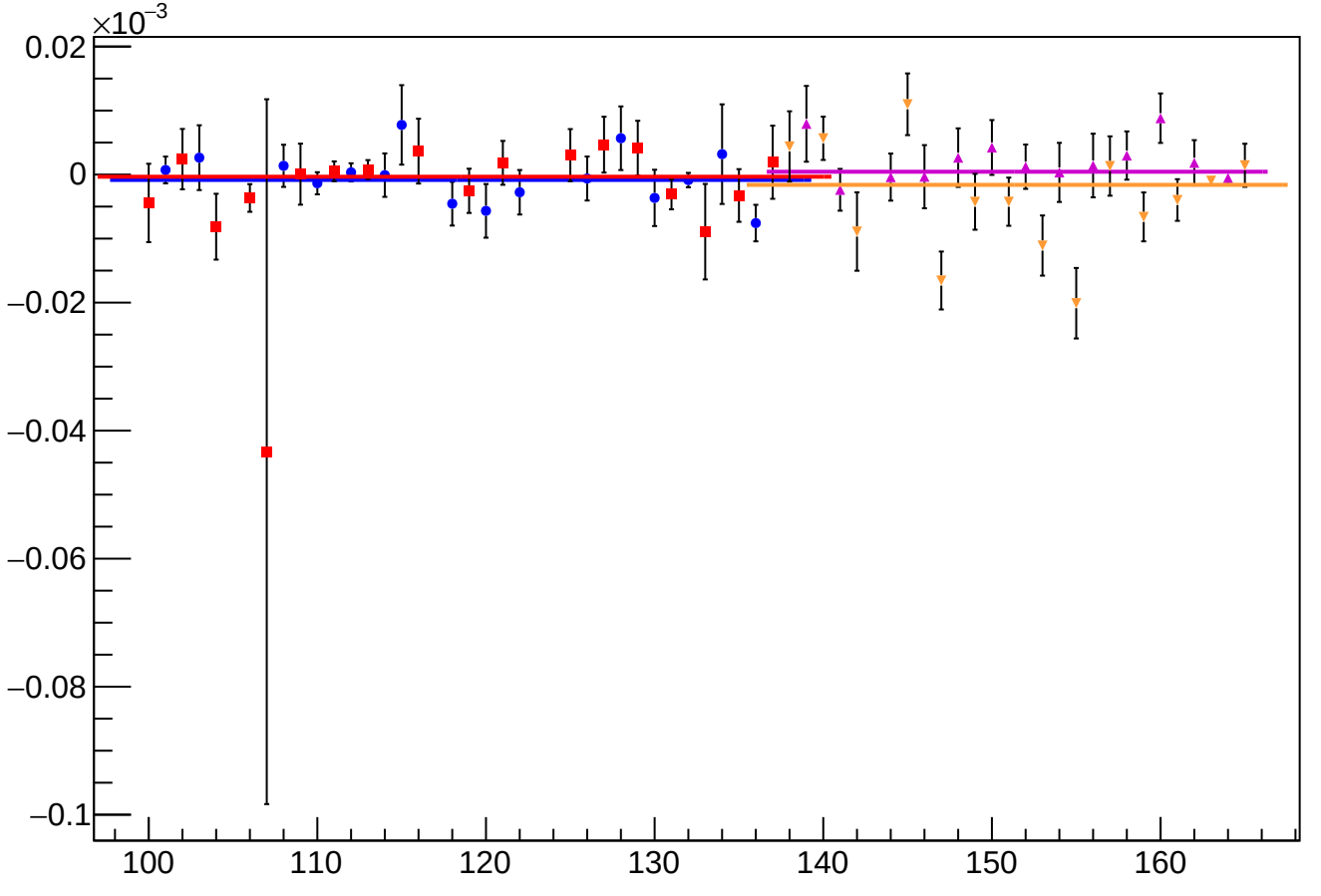
Left: 67.221+/-0.011 χ^2/NDF: 1174664.1/26

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.068+/-0.012 χ^2/NDF:1269860.4/28

Out: 67.446+/-0.012 χ^2/NDF:1312140.7/31

All: 67.256+/-0.008 χ^2/NDF: 2582525.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

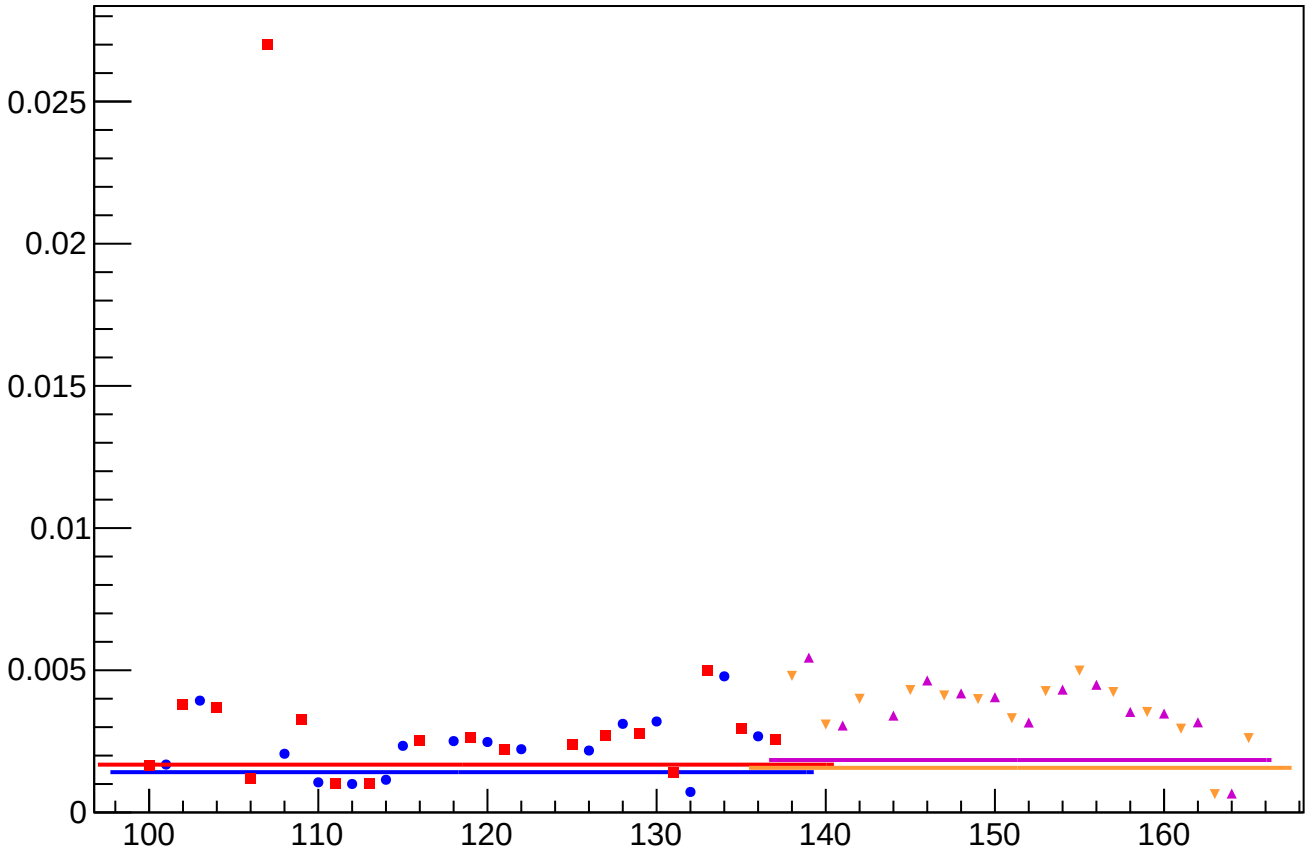
Left: -0.000+/-0.000 χ^2/NDF: 59.6/26

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:26.7/28

Out: -0.000+/-0.000 χ^2/NDF:61.8/31

All: -0.000+/-0.000 χ^2/NDF: 89.7/60



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9702706.1/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8726647.3/12

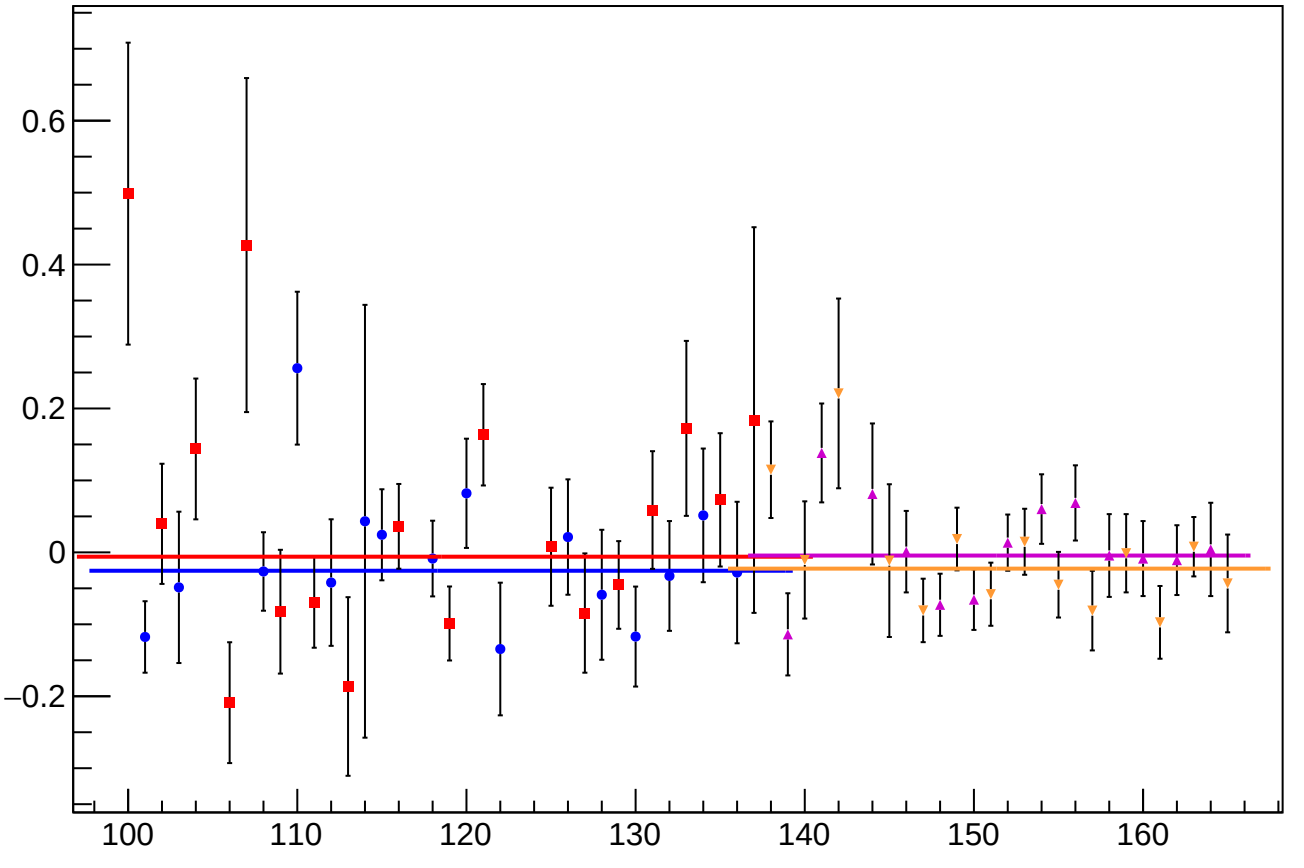
Left: 0.002+/-0.000 χ^2/NDF: 18586878.8/26

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:12672688.9/28

Out: 0.002+/-0.000 χ^2/NDF:13156289.5/31

All: 0.002+/-0.000 χ^2/NDF: 25831709.6/60



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

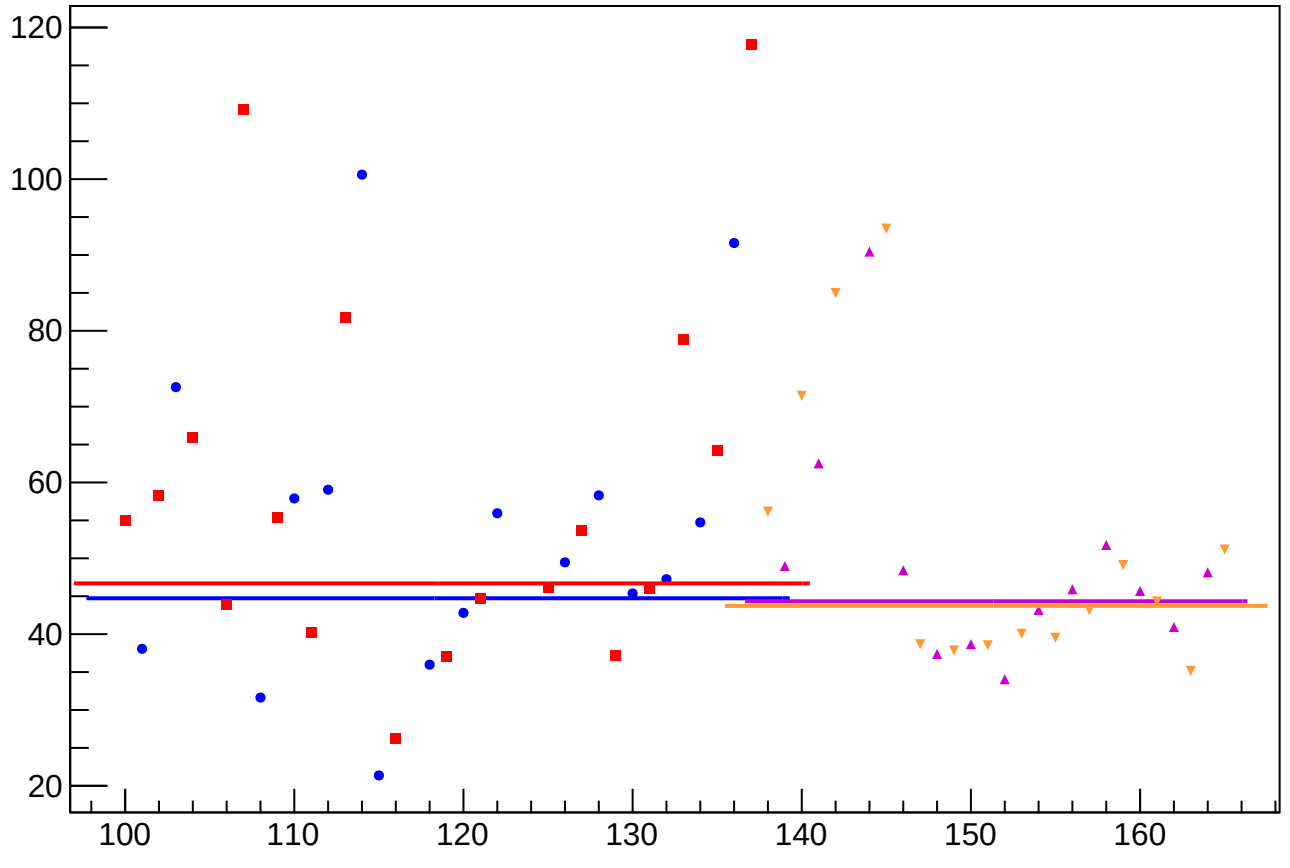
Left: -0.014+/-0.010 χ^2/NDF: 34.1/26

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.014+/-0.008 χ^2/NDF: 88.8/60



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185638.2/13

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

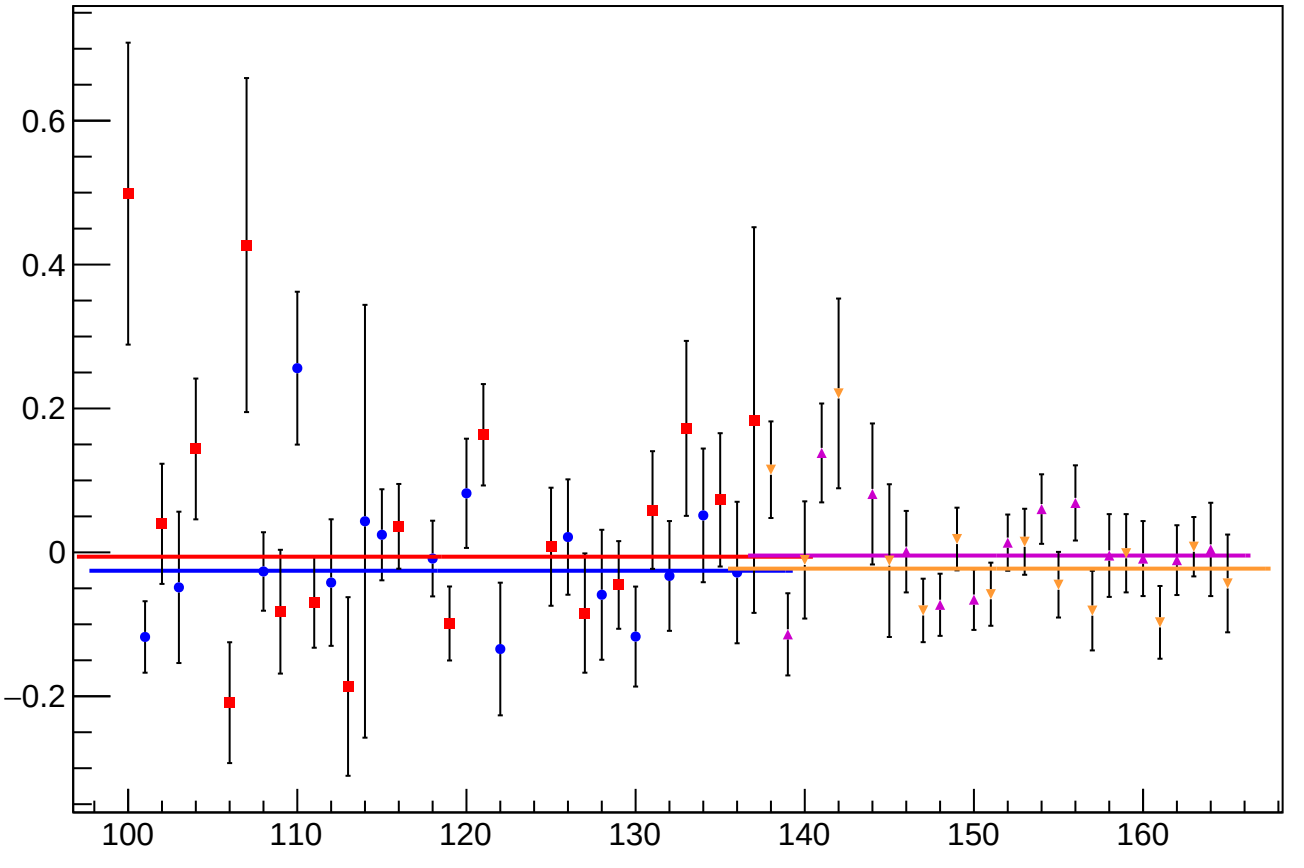
Left: 44.028+/-0.007 χ^2/NDF: 2074942.9/26

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.483+/-0.008 χ^2/NDF:2222664.2/28

Out: 44.769+/-0.008 χ^2/NDF:2411421.9/31

All: 44.625+/-0.006 χ^2/NDF: 4634709.7/60



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

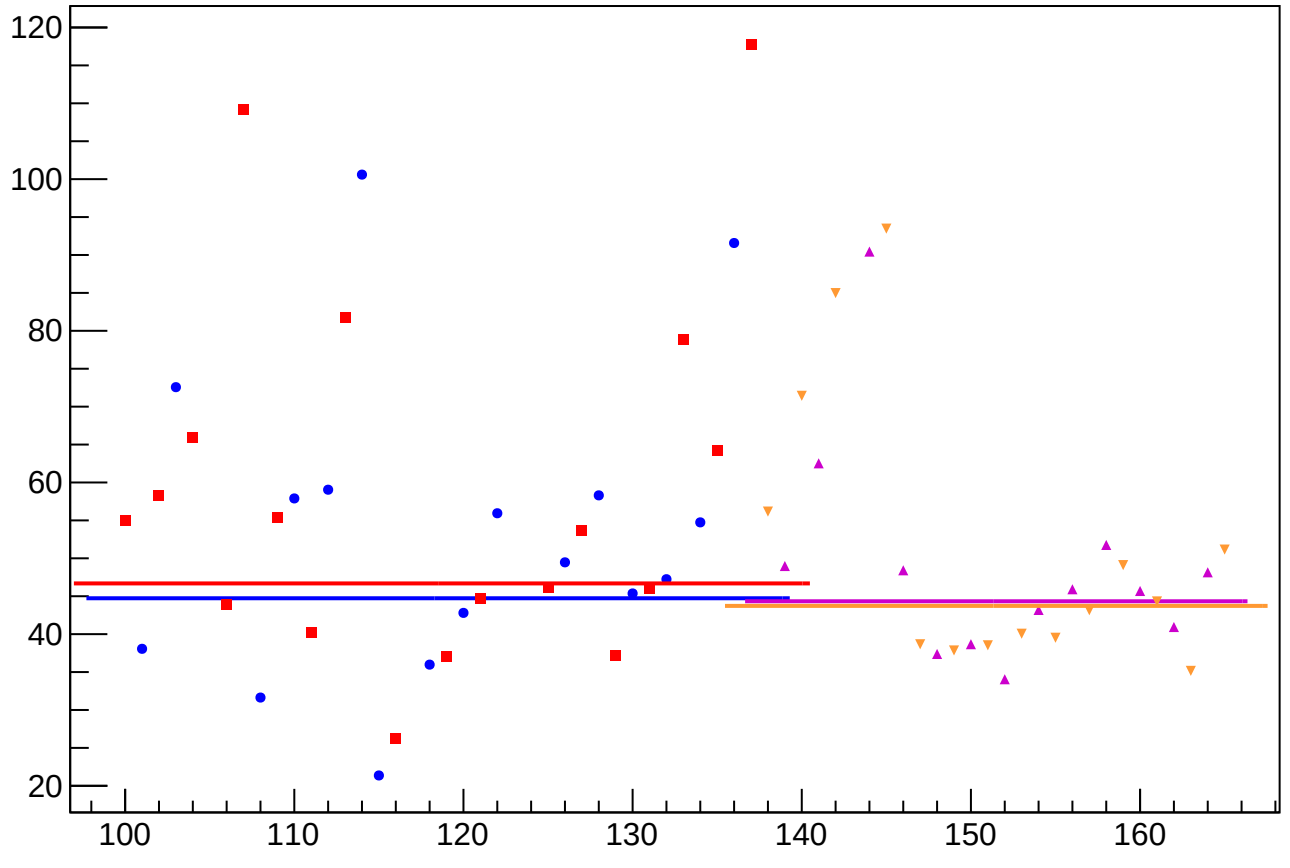
Left: -0.014+/-0.010 χ^2/NDF: 34.1/26

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.014+/-0.008 χ^2/NDF: 88.8/60



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185638.2/13

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

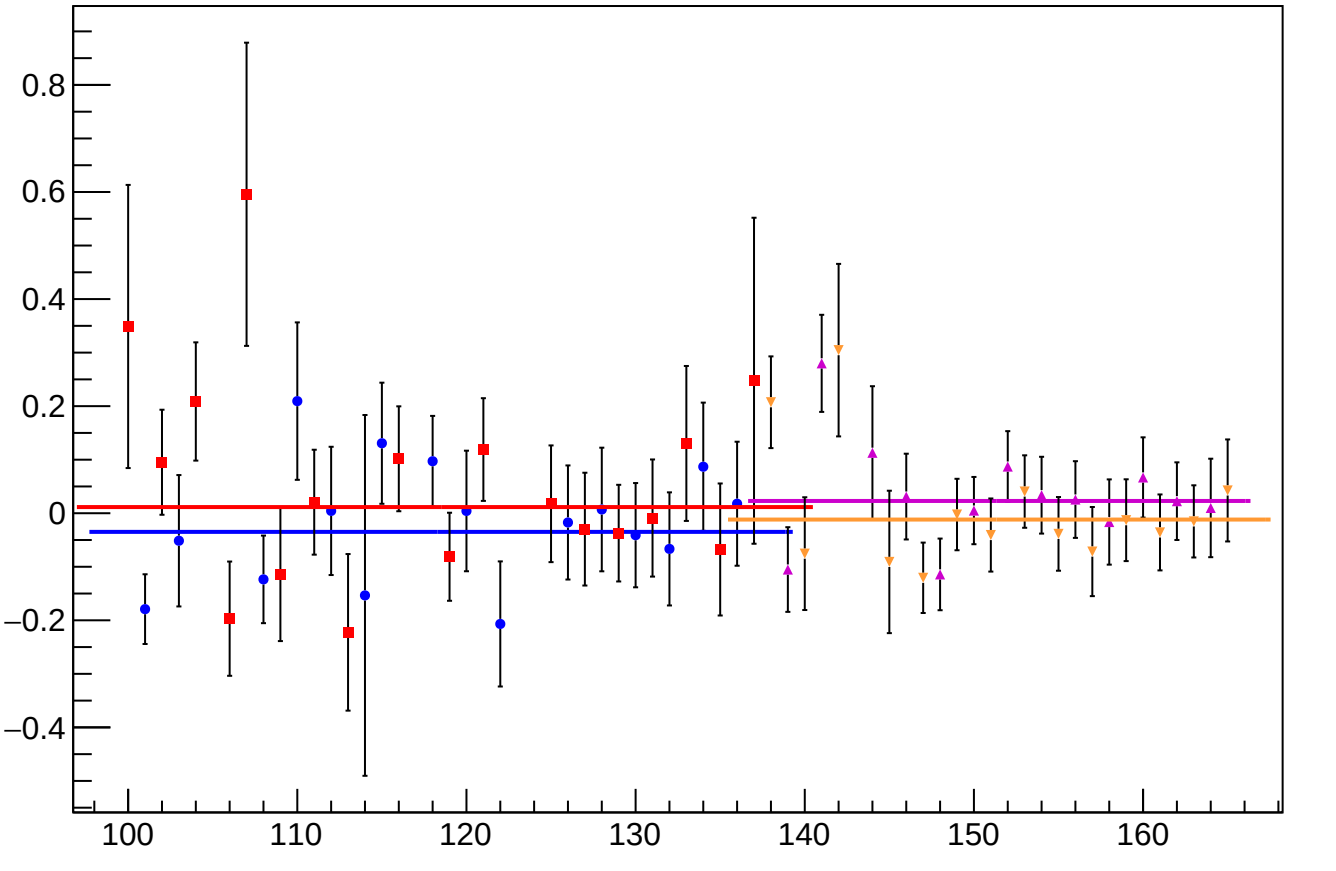
Left: 44.028+/-0.007 χ^2/NDF: 2074942.9/26

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.483+/-0.008 χ^2/NDF:2222664.2/28

Out: 44.769+/-0.008 χ^2/NDF:2411421.9/31

All: 44.625+/-0.006 χ^2/NDF: 4634709.7/60



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.021 χ^2/NDF:15.8/13

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.023+/-0.021 χ^2/NDF:17.1/12

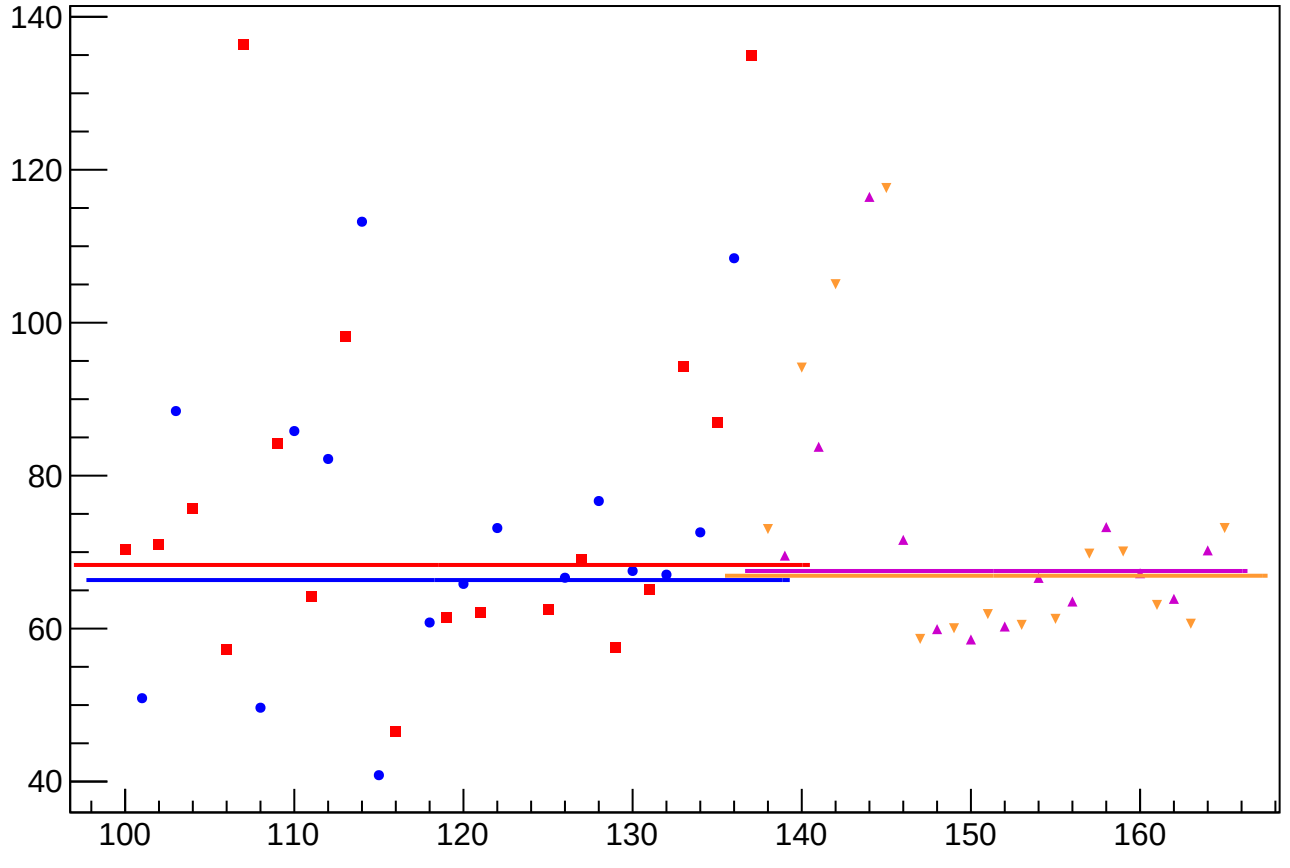
Left: 0.005+/-0.015 χ^2/NDF: 34.2/26

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: 0.000+/-0.016 χ^2/NDF:37.4/28

Out: -0.003+/-0.017 χ^2/NDF:39.0/31

All: -0.001+/-0.012 χ^2/NDF: 76.4/60



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 66.913+/-0.015 χ^2/NDF:679047.6/13

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.534+/-0.015 χ^2/NDF:494726.2/12

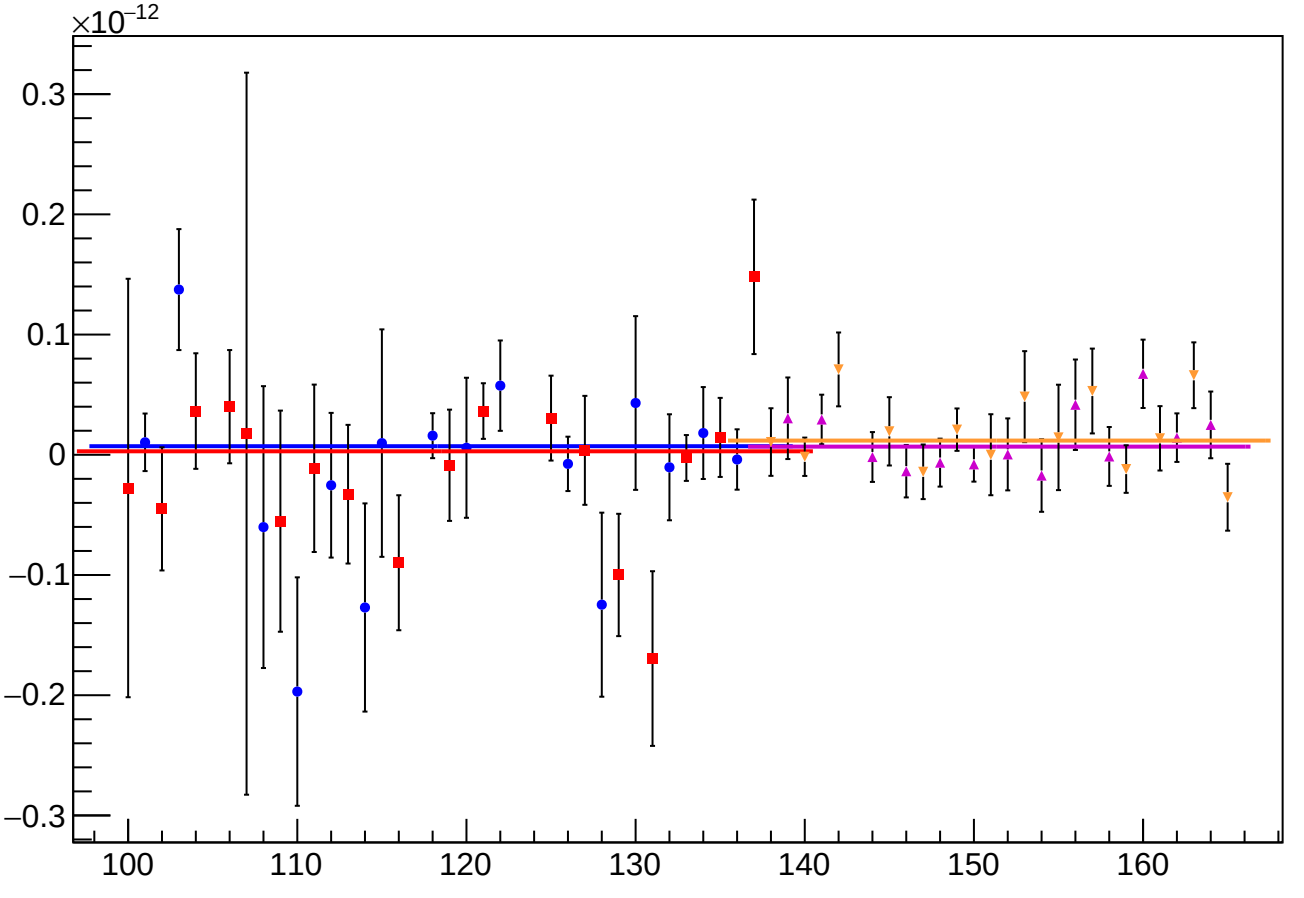
Left: 67.222+/-0.011 χ^2/NDF: 1174643.5/26

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.068+/-0.012 χ^2/NDF:1269862.4/28

Out: 67.446+/-0.012 χ^2/NDF:1312119.6/31

All: 67.256+/-0.008 χ^2/NDF: 2582506.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/12

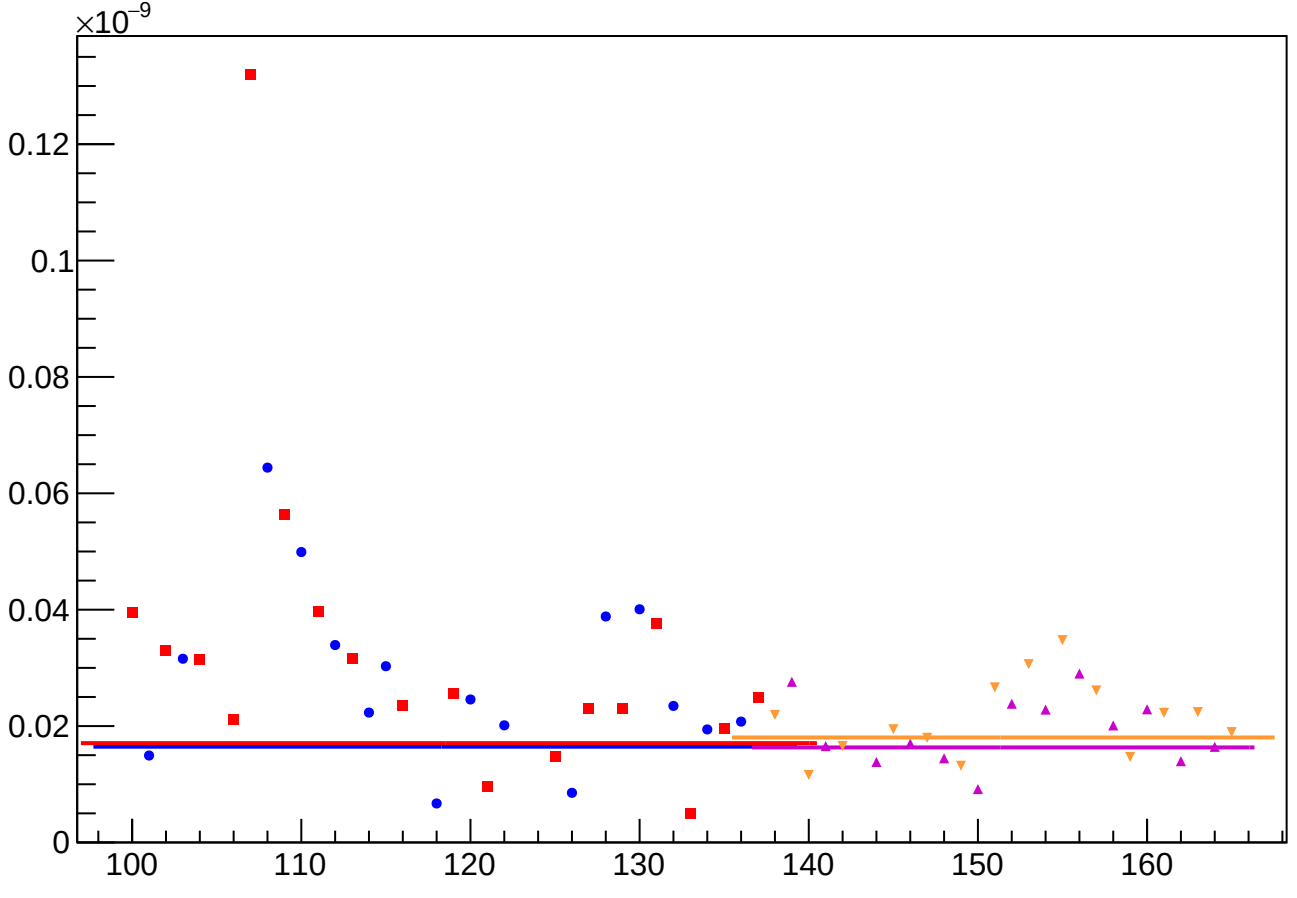
Left: 0.000+/-0.000 χ^2/NDF: 28.0/26

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:31.4/28

Out: 0.000+/-0.000 χ^2/NDF:40.7/31

All: 0.000+/-0.000 χ^2/NDF: 72.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1434960.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1392768.9/12

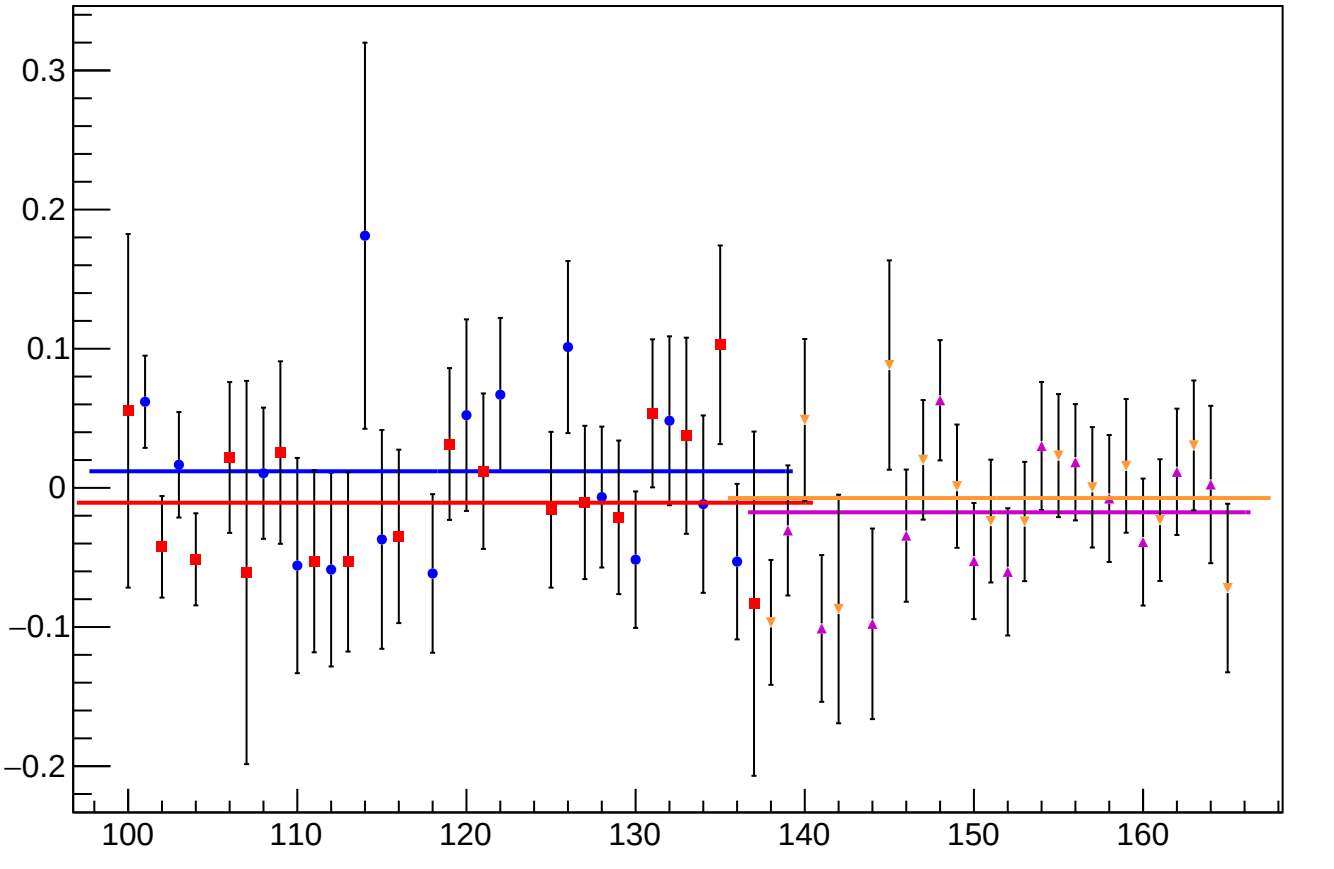
Left: 0.000+/-0.000 χ^2/NDF: 2895684.7/26

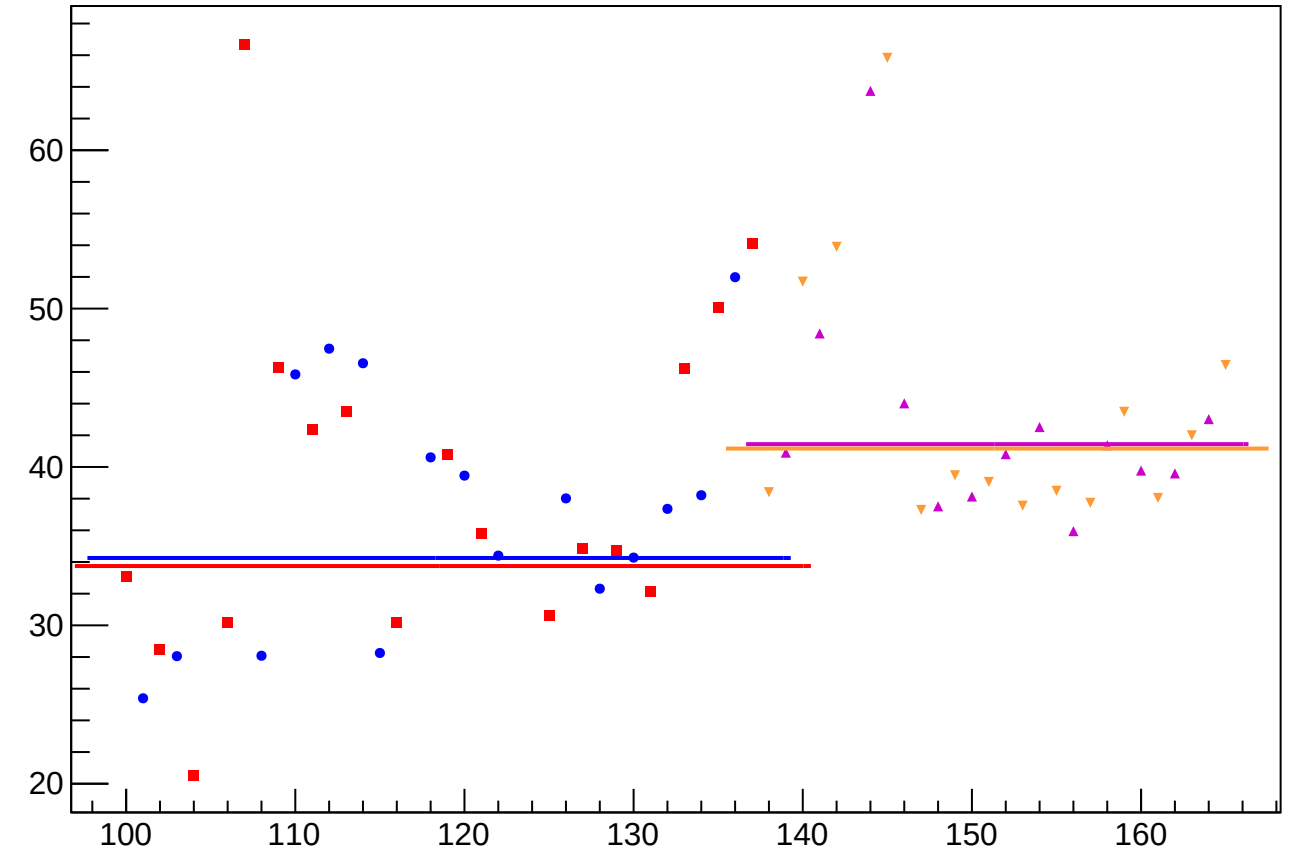
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3738937.9/28

Out: 0.000+/-0.000 χ^2/NDF:4239569.8/31

All: 0.000+/-0.000 χ^2/NDF: 8041645.6/60


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.007+/-0.013 χ²/NDF:10.9/13
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.018+/-0.013 χ²/NDF:11.7/12
Left: -0.012+/-0.009 χ²/NDF: 22.9/26
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.003+/-0.009 χ²/NDF:28.9/28
Out: -0.009+/-0.009 χ²/NDF:20.8/31
All: -0.006+/-0.007 χ²/NDF: 49.9/60



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.163+/-0.009 χ^2/NDF:424964.3/13

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

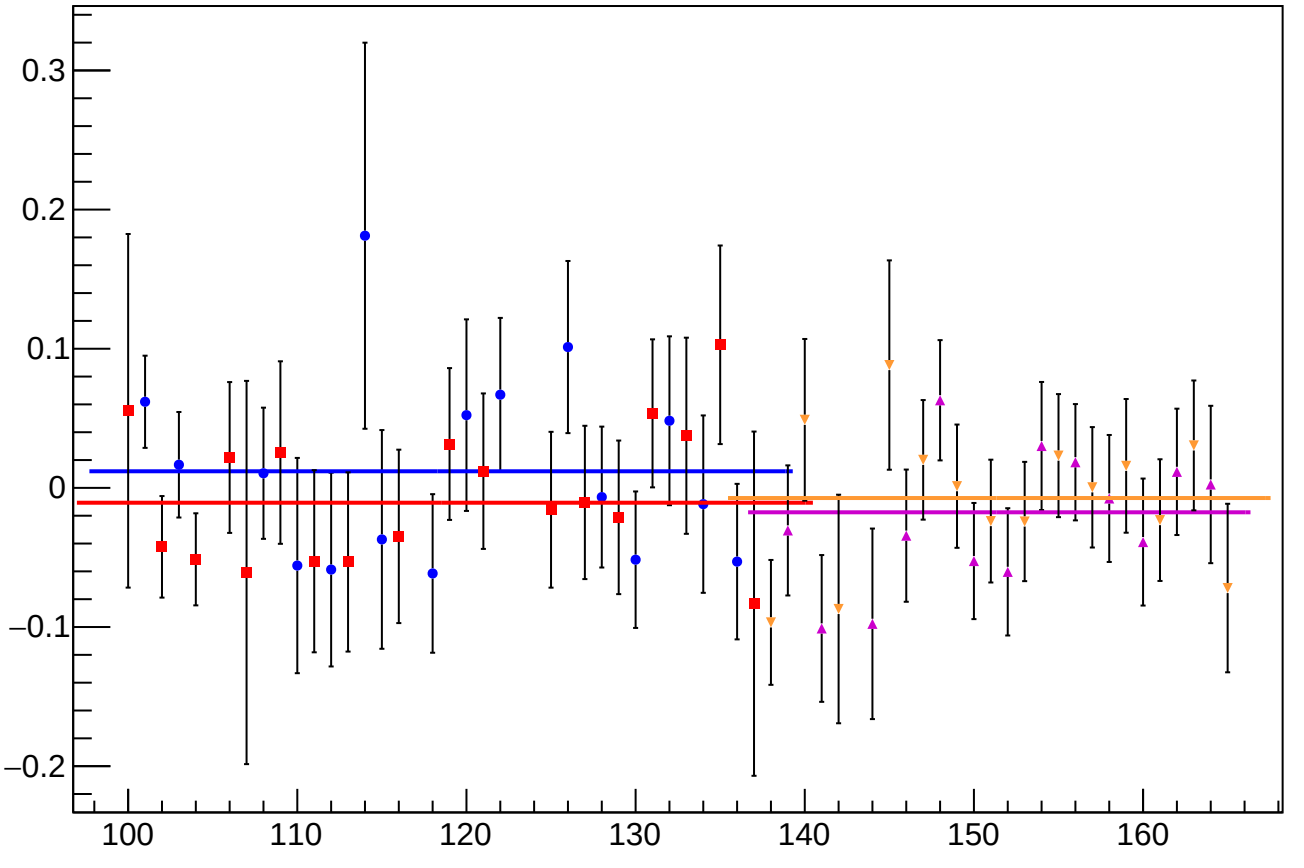
Left: 41.301+/-0.007 χ^2/NDF: 751608.7/26

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

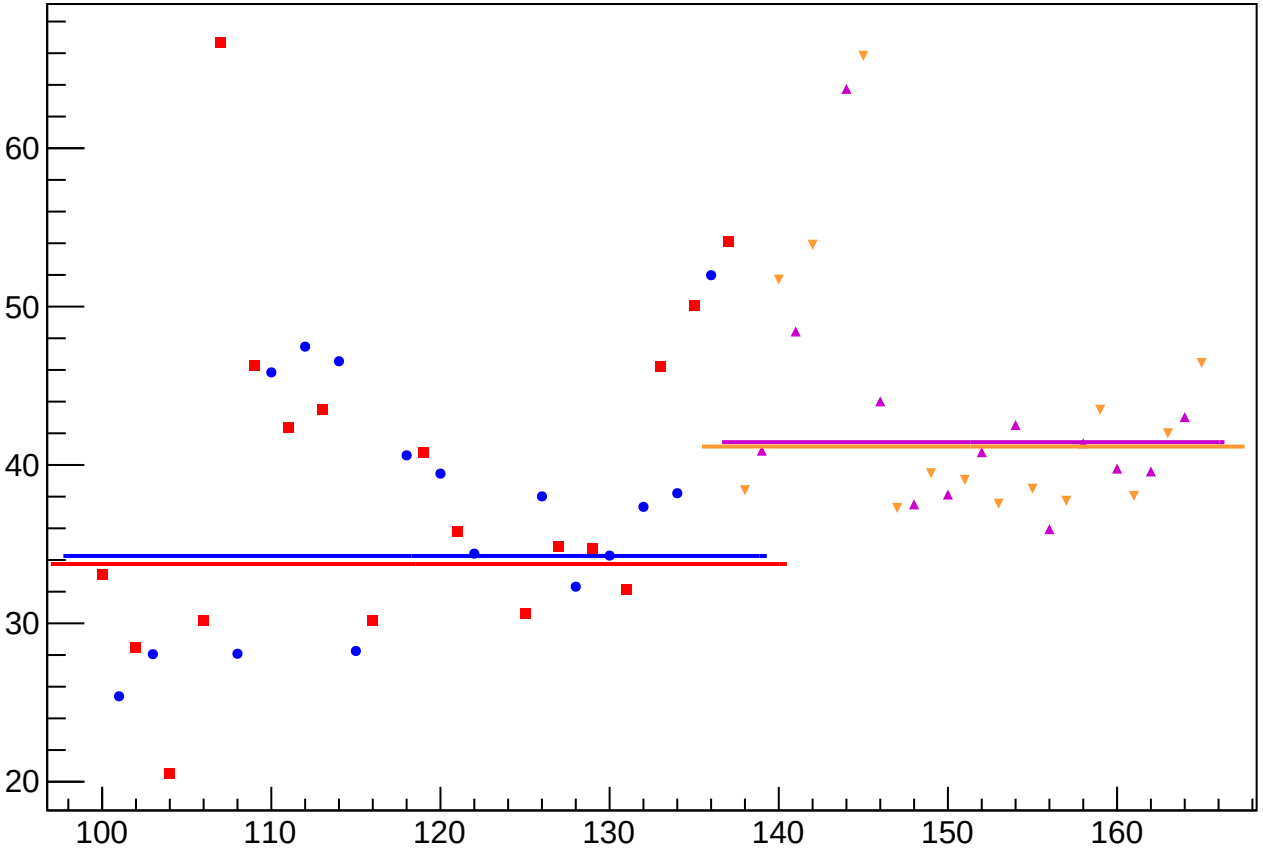
In: 37.997+/-0.007 χ^2/NDF:1252465.7/28

Out: 37.592+/-0.007 χ^2/NDF:1652668.3/31

All: 37.792+/-0.005 χ^2/NDF: 2906995.2/60


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.007+/-0.013 χ²/NDF:10.9/13
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.018+/-0.013 χ²/NDF:11.7/12
Left: -0.012+/-0.009 χ²/NDF: 22.9/26
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.003+/-0.009 χ²/NDF:28.9/28
Out: -0.009+/-0.009 χ²/NDF:20.8/31
All: -0.006+/-0.007 χ²/NDF: 49.9/60

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.163+/-0.009 χ^2/NDF:424964.3/13

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

Left: 41.301+/-0.007 χ^2/NDF: 751608.7/26

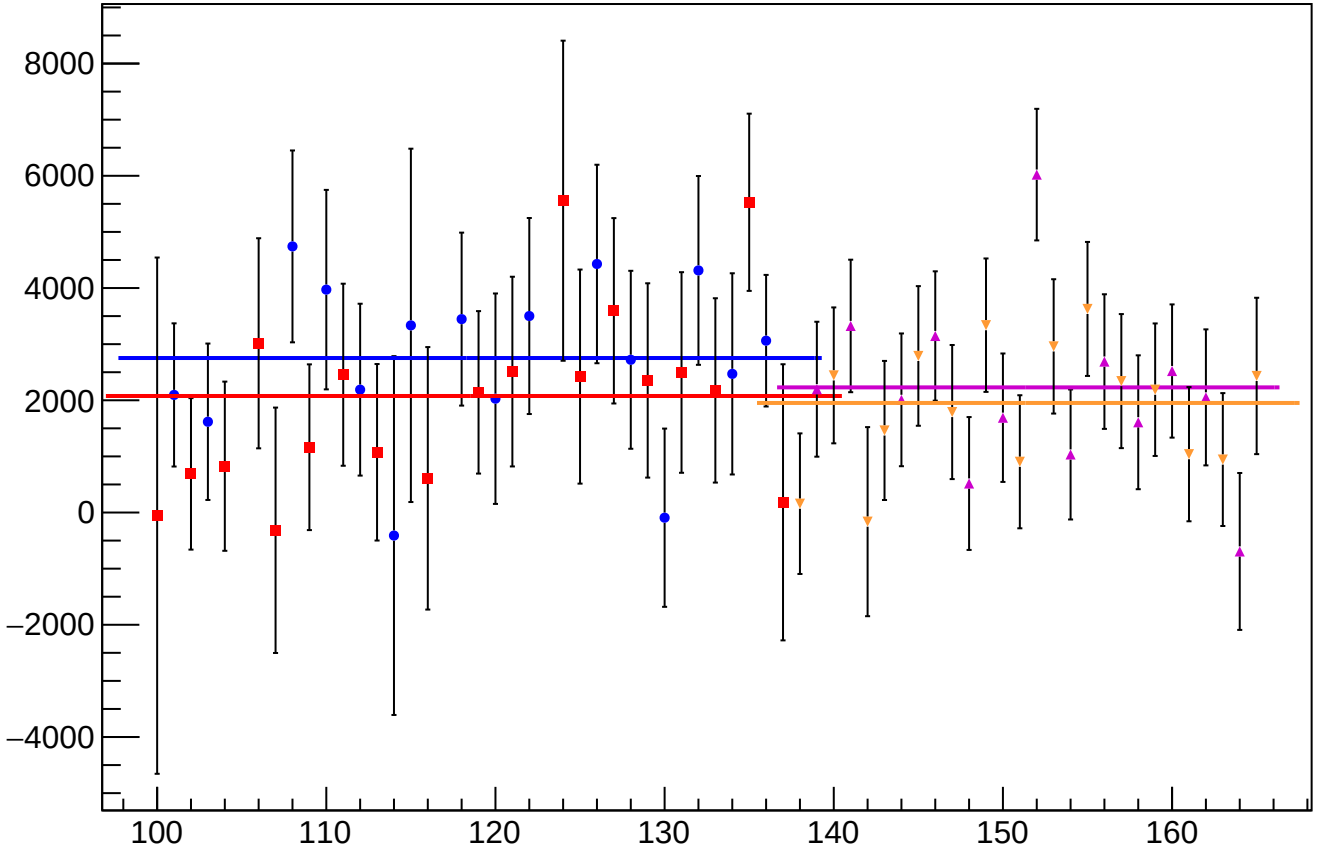
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.997+/-0.007 χ^2/NDF:1252465.7/28

Out: 37.592+/-0.007 χ^2/NDF:1652668.3/31

All: 37.792+/-0.005 χ^2/NDF: 2906995.2/60

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2229.906+/-330.985 χ^2/NDF:20.2/12

Left: 2085.996+/-229.637 χ^2/NDF: 31.4/27

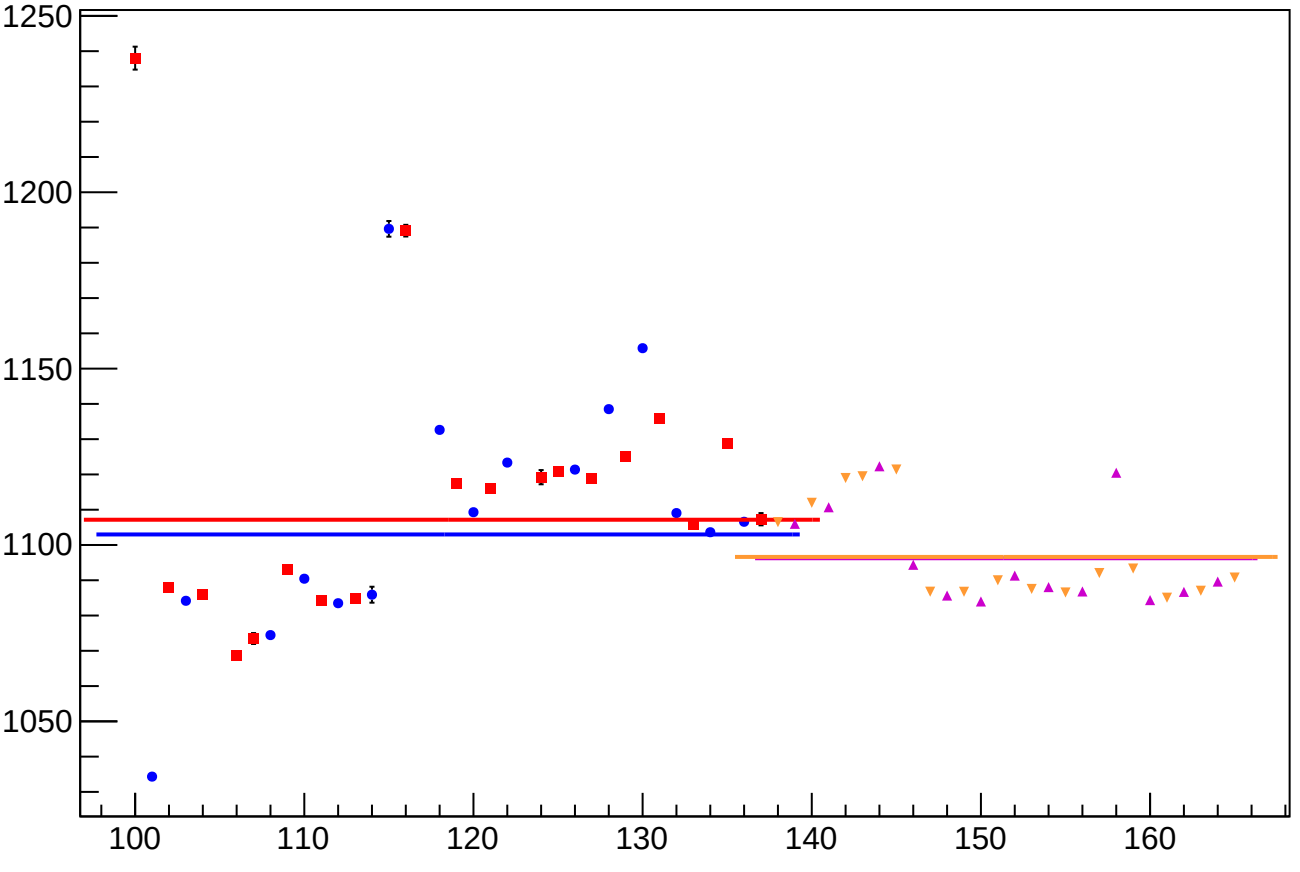
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2436.447+/-257.498 χ^2/NDF:30.7/28

Out: 2000.072+/-250.248 χ^2/NDF:23.4/33

All: 2212.030+/-179.461 χ^2/NDF: 55.6/62

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

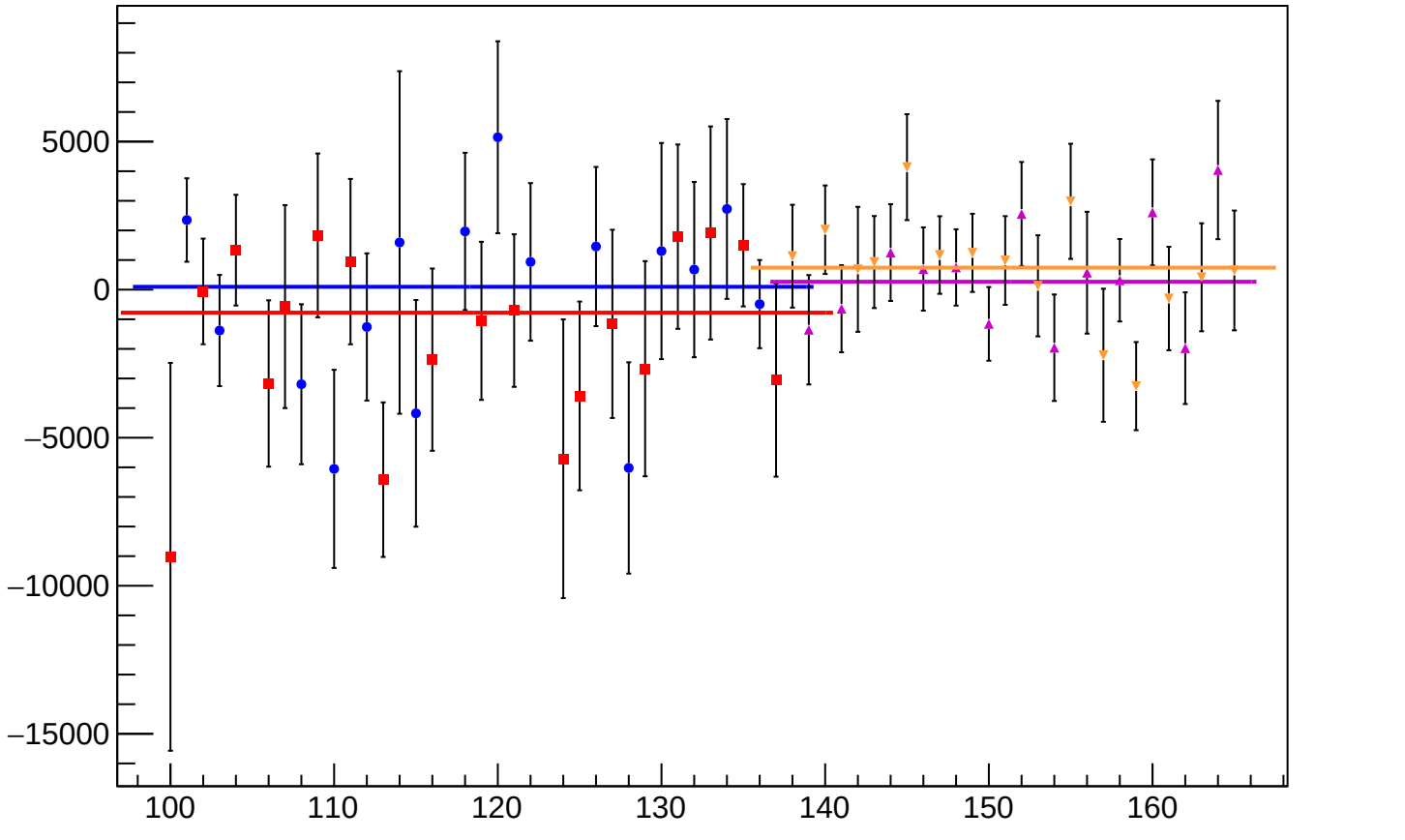
Left: 1096.436+/-0.162 χ^2/NDF: 6517.4/27

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.904+/-0.182 χ^2/NDF:16803.0/28

Out: 1100.666+/-0.177 χ^2/NDF:12788.0/33

All: 1099.810+/-0.127 χ^2/NDF: 29639.1/62



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 267.614+/-445.148 χ^2/NDF:12.1/12

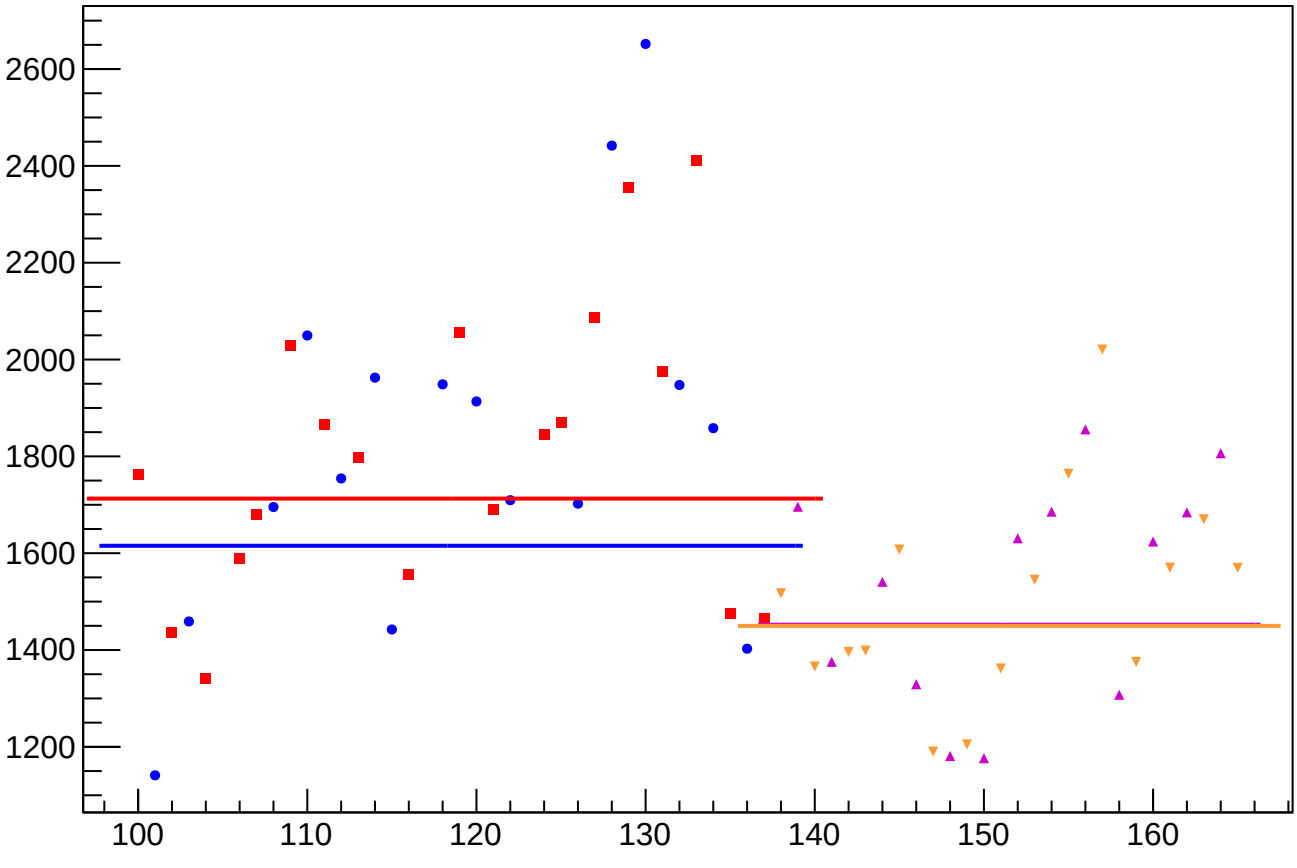
Left: 514.459+/-308.464 χ^2/NDF: 28.1/27

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 208.987+/-361.220 χ^2/NDF:29.0/28

Out: 270.088+/-355.156 χ^2/NDF:34.5/33

All: 240.054+/-253.250 χ^2/NDF: 63.5/62



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

Left: 1451.032+/-0.218 χ^2/NDF: 916914.9/27

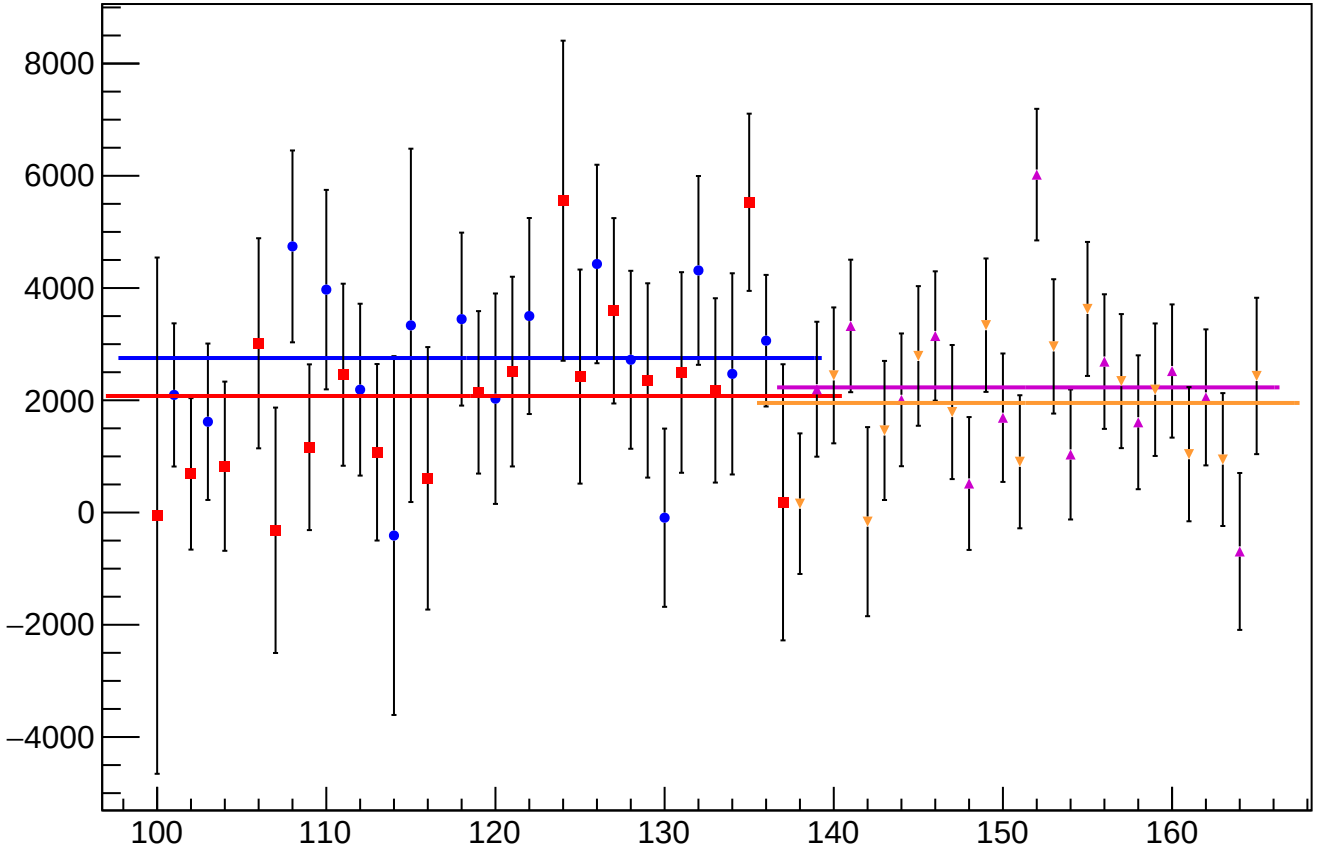
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1508.005+/-0.255 χ^2/NDF:1281139.1/28

Out: 1531.576+/-0.251 χ^2/NDF:1083915.8/33

All: 1519.990+/-0.179 χ^2/NDF: 2369384.9/62

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2229.906+/-330.985 χ^2/NDF:20.2/12

Left: 2085.996+/-229.637 χ^2/NDF: 31.4/27

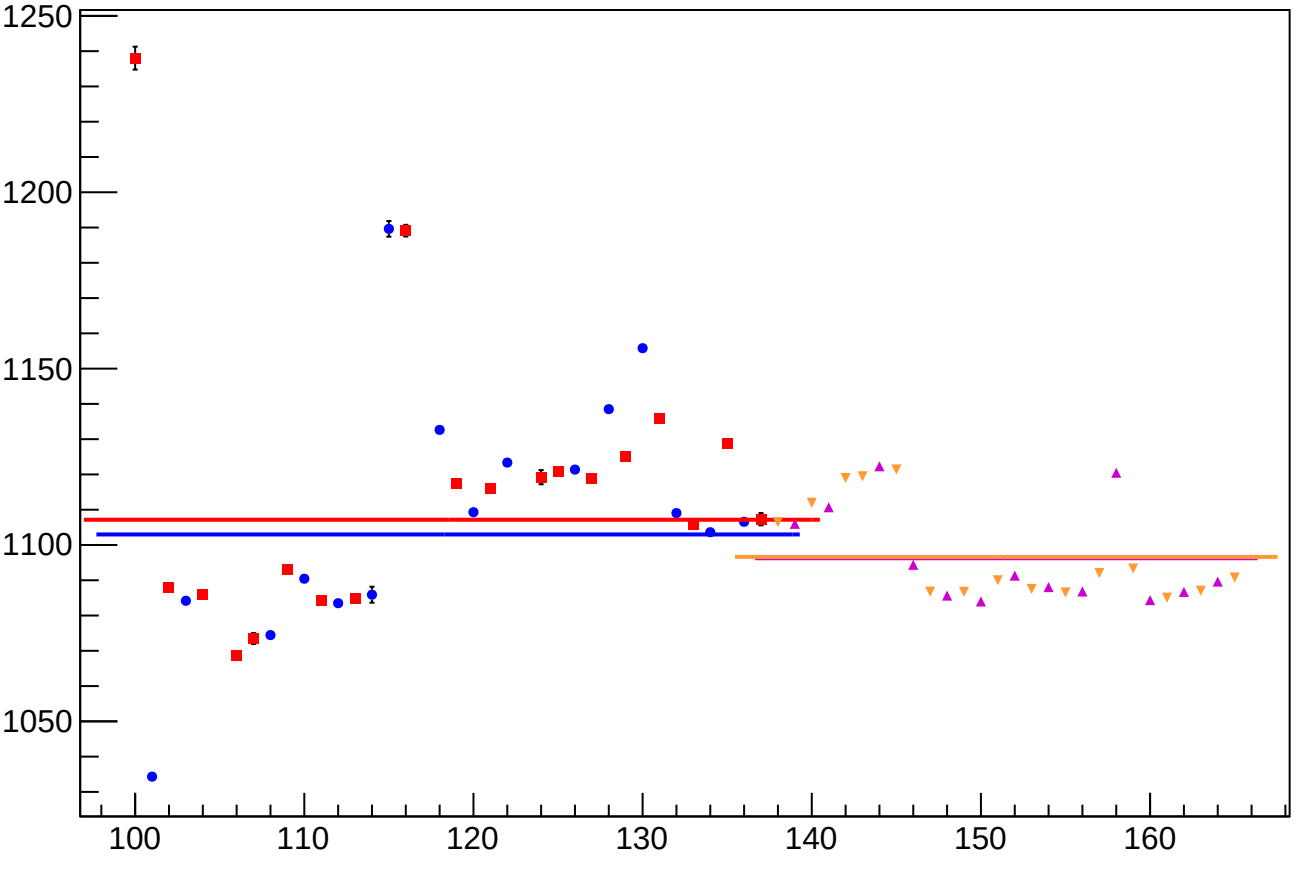
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2436.447+/-257.498 χ^2/NDF:30.7/28

Out: 2000.072+/-250.248 χ^2/NDF:23.4/33

All: 2212.030+/-179.461 χ^2/NDF: 55.6/62

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

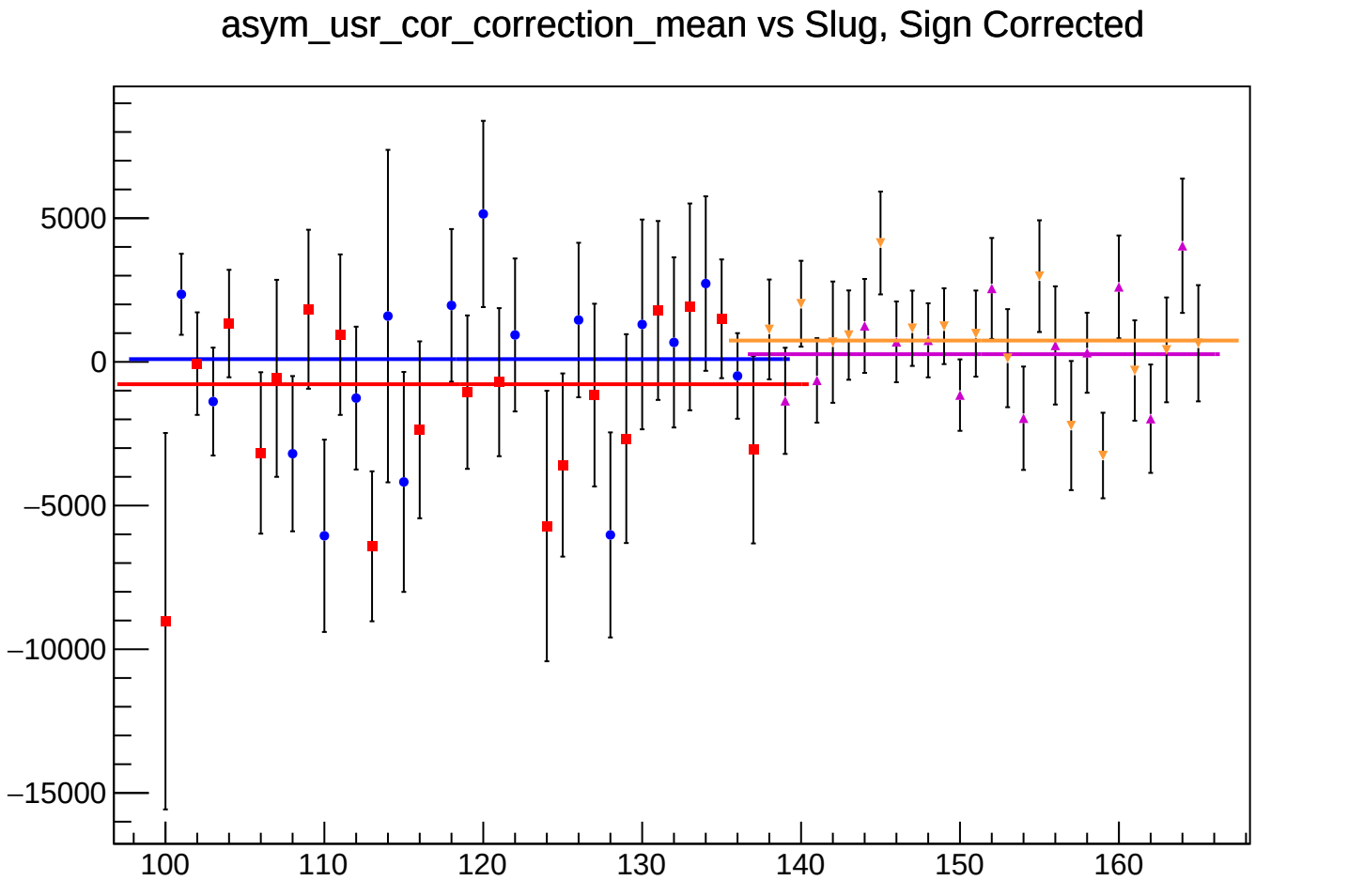
Left: 1096.436+/-0.162 χ^2/NDF: 6517.4/27

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.904+/-0.182 χ^2/NDF:16803.0/28

Out: 1100.666+/-0.177 χ^2/NDF:12788.0/33

All: 1099.810+/-0.127 χ^2/NDF: 29639.1/62



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 267.614+/-445.148 χ^2/NDF:12.1/12

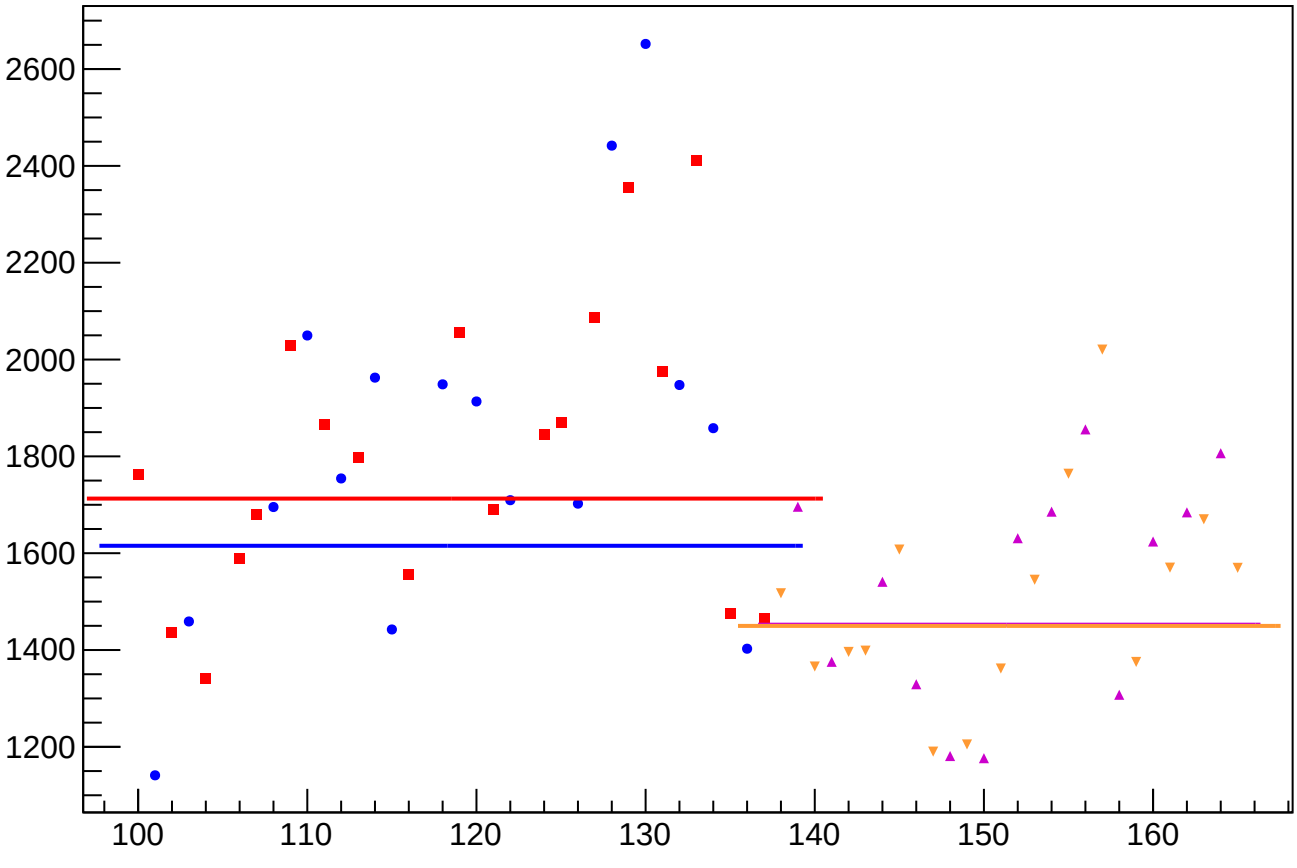
Left: 514.459+/-308.464 χ^2/NDF: 28.1/27

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 208.987+/-361.220 χ^2/NDF:29.0/28

Out: 270.088+/-355.156 χ^2/NDF:34.5/33

All: 240.054+/-253.250 χ^2/NDF: 63.5/62



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

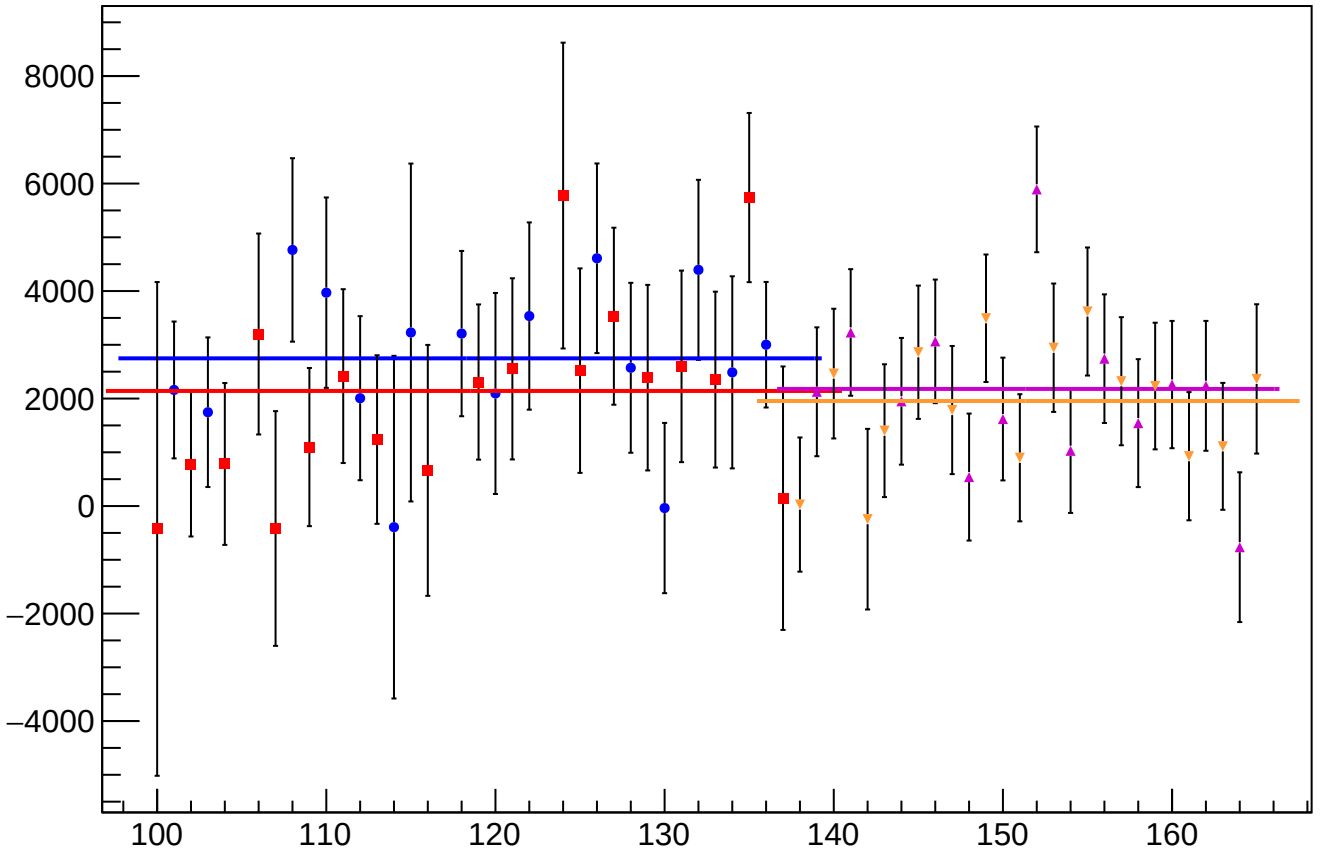
Left: 1451.032+/-0.218 χ^2/NDF: 916914.9/27

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1508.005+/-0.255 χ^2/NDF:1281139.1/28

Out: 1531.576+/-0.251 χ^2/NDF:1083915.8/33

All: 1519.990+/-0.179 χ^2/NDF: 2369384.9/62



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1954.195+/-318.035 χ^2/NDF:11.6/14

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2178.907+/-330.159 χ^2/NDF:19.6/12

Left: 2062.349+/-229.051 χ^2/NDF: 31.5/27

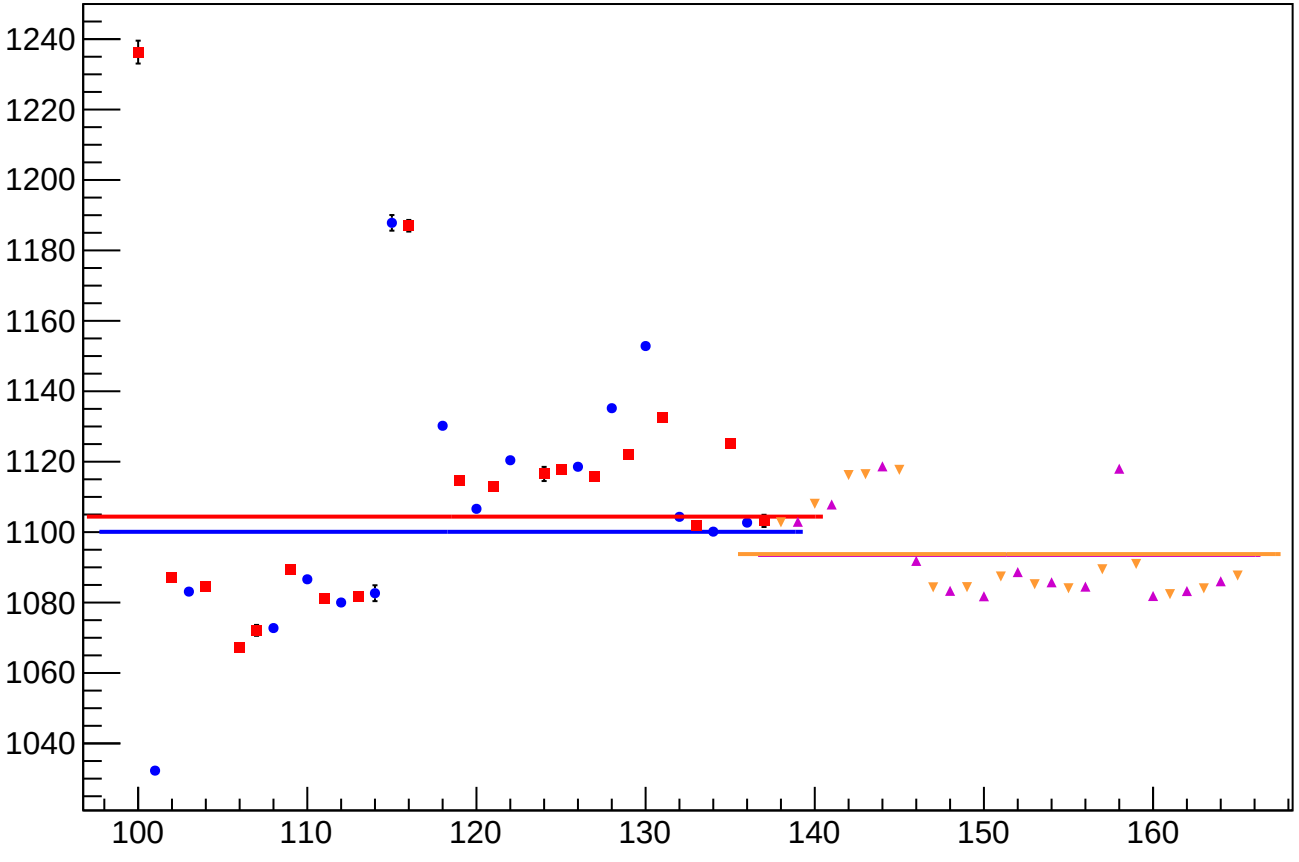
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2403.571+/-256.842 χ^2/NDF:30.3/28

Out: 2025.998+/-249.607 χ^2/NDF:25.3/33

All: 2209.392+/-179.002 χ^2/NDF: 56.8/62

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1093.766+/-0.225 χ^2/NDF:3097.7/14

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.509+/-0.233 χ^2/NDF:3174.7/12

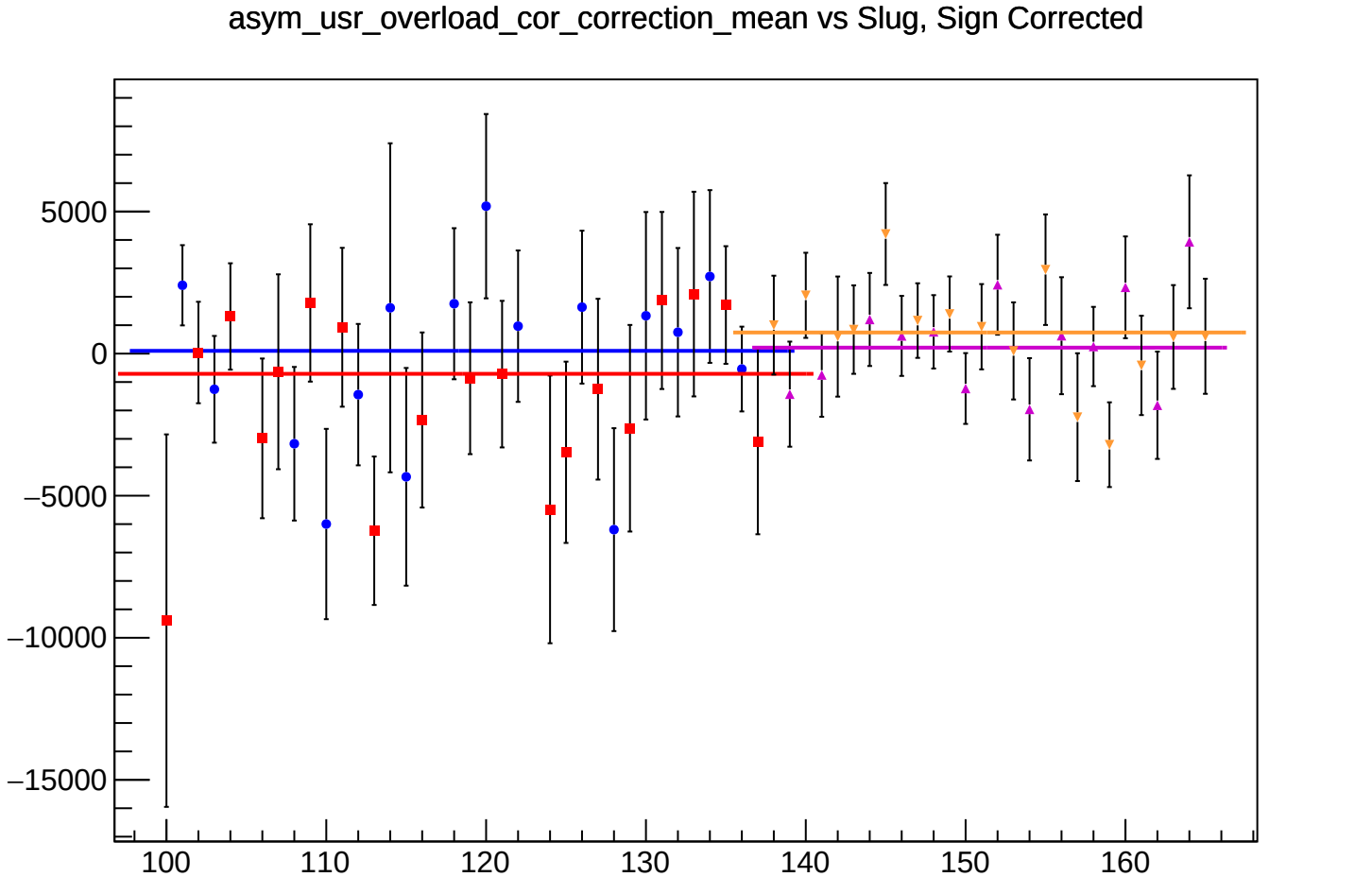
Left: 1093.642+/-0.162 χ^2/NDF: 6273.0/27

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1096.107+/-0.182 χ^2/NDF:16565.6/28

Out: 1097.851+/-0.176 χ^2/NDF:12500.3/33

All: 1097.004+/-0.127 χ^2/NDF: 29113.3/62



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 743.466+/-428.498 χ^2/NDF:15.6/14

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 210.697+/-445.796 χ^2/NDF:11.4/12

Left: 487.619+/-308.928 χ^2/NDF: 27.7/27

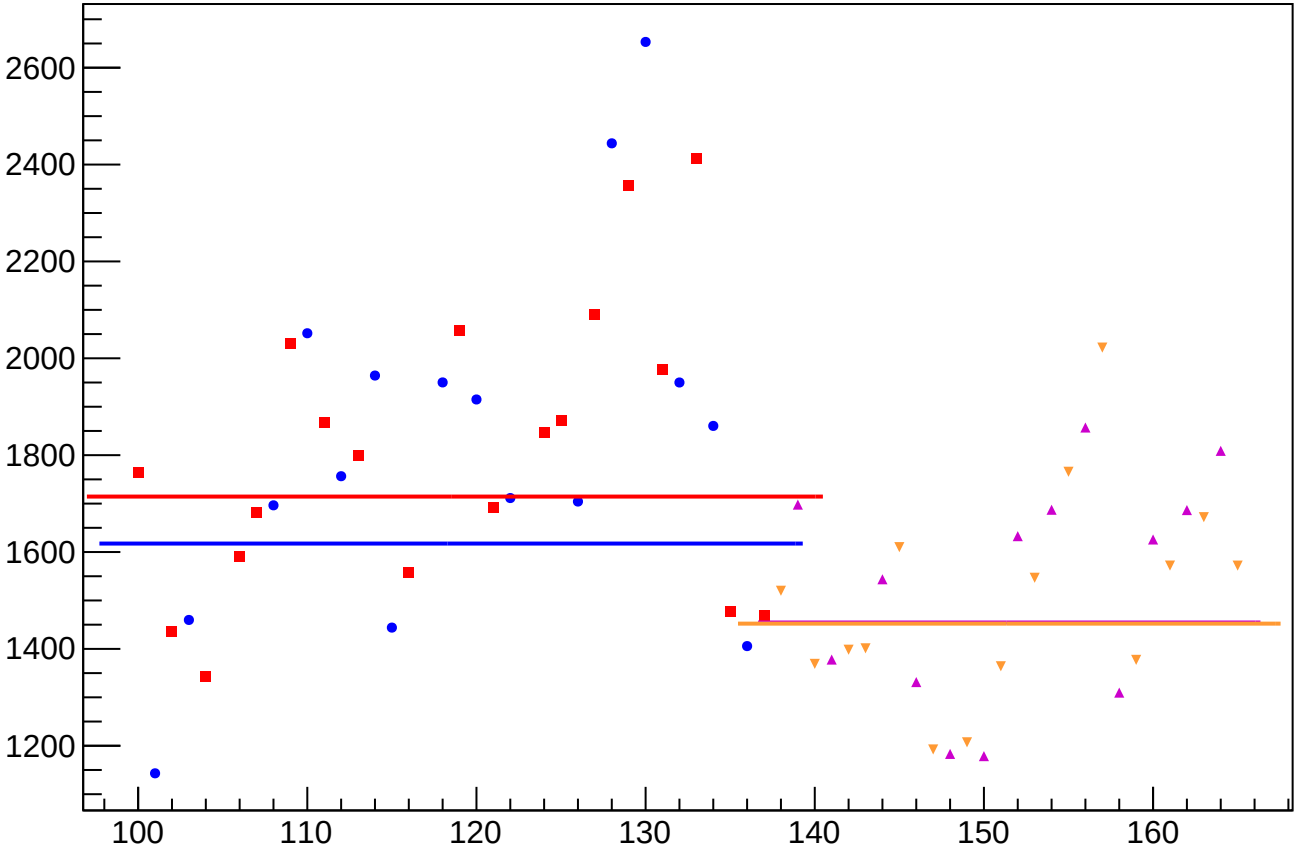
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 172.005+/-361.722 χ^2/NDF:28.6/28

Out: 290.839+/-355.644 χ^2/NDF:34.1/33

All: 232.429+/-253.600 χ^2/NDF: 62.7/62

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1452.158+/-0.303 χ^2/NDF:419143.4/14

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1454.543+/-0.315 χ^2/NDF:494154.2/12

Left: 1453.303+/-0.218 χ^2/NDF: 913327.3/27

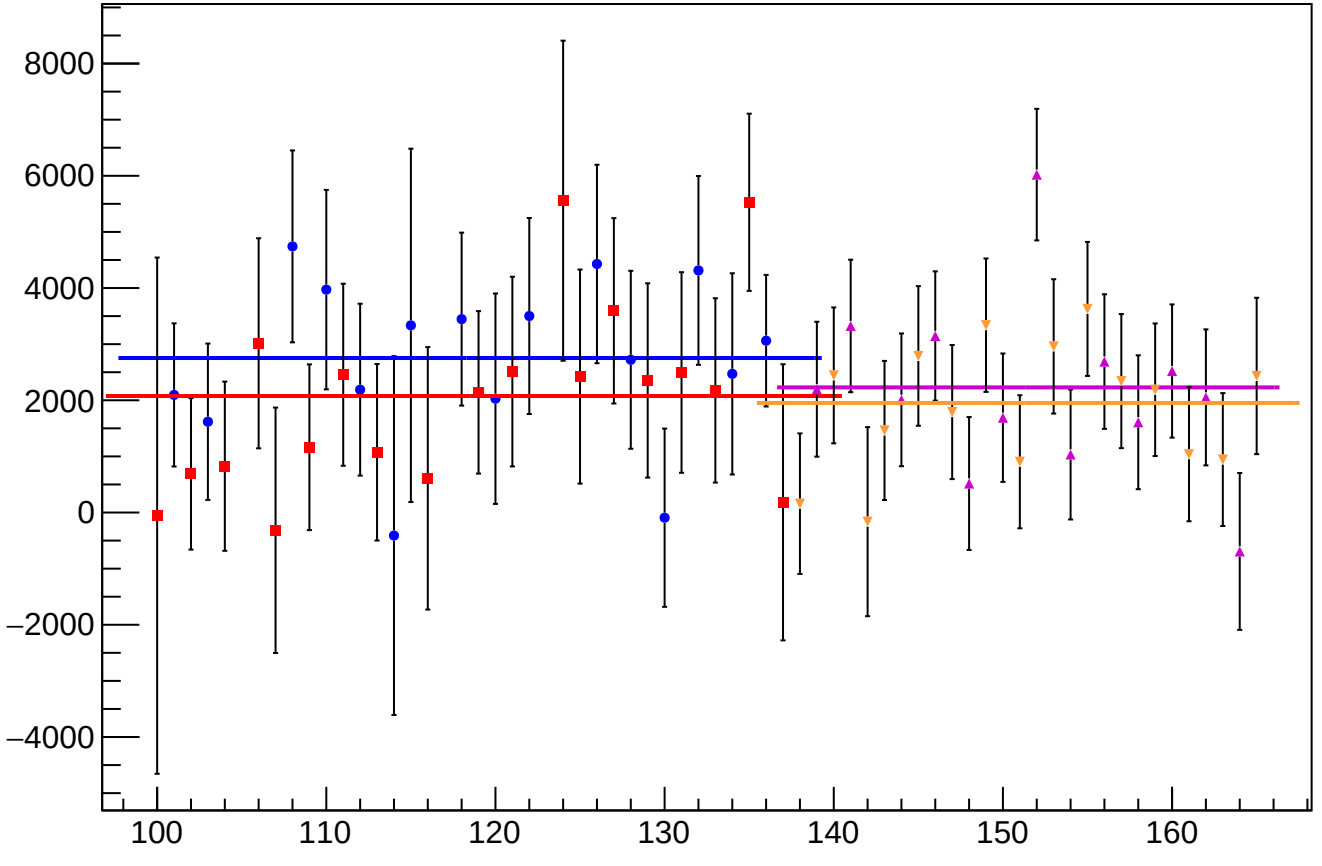
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1510.209+/-0.256 χ^2/NDF:1277164.4/28

Out: 1533.785+/-0.251 χ^2/NDF:1080115.7/33

All: 1522.197+/-0.179 χ^2/NDF: 2361600.0/62

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2229.906+/-330.985 χ^2/NDF:20.2/12

Left: 2085.996+/-229.637 χ^2/NDF: 31.4/27

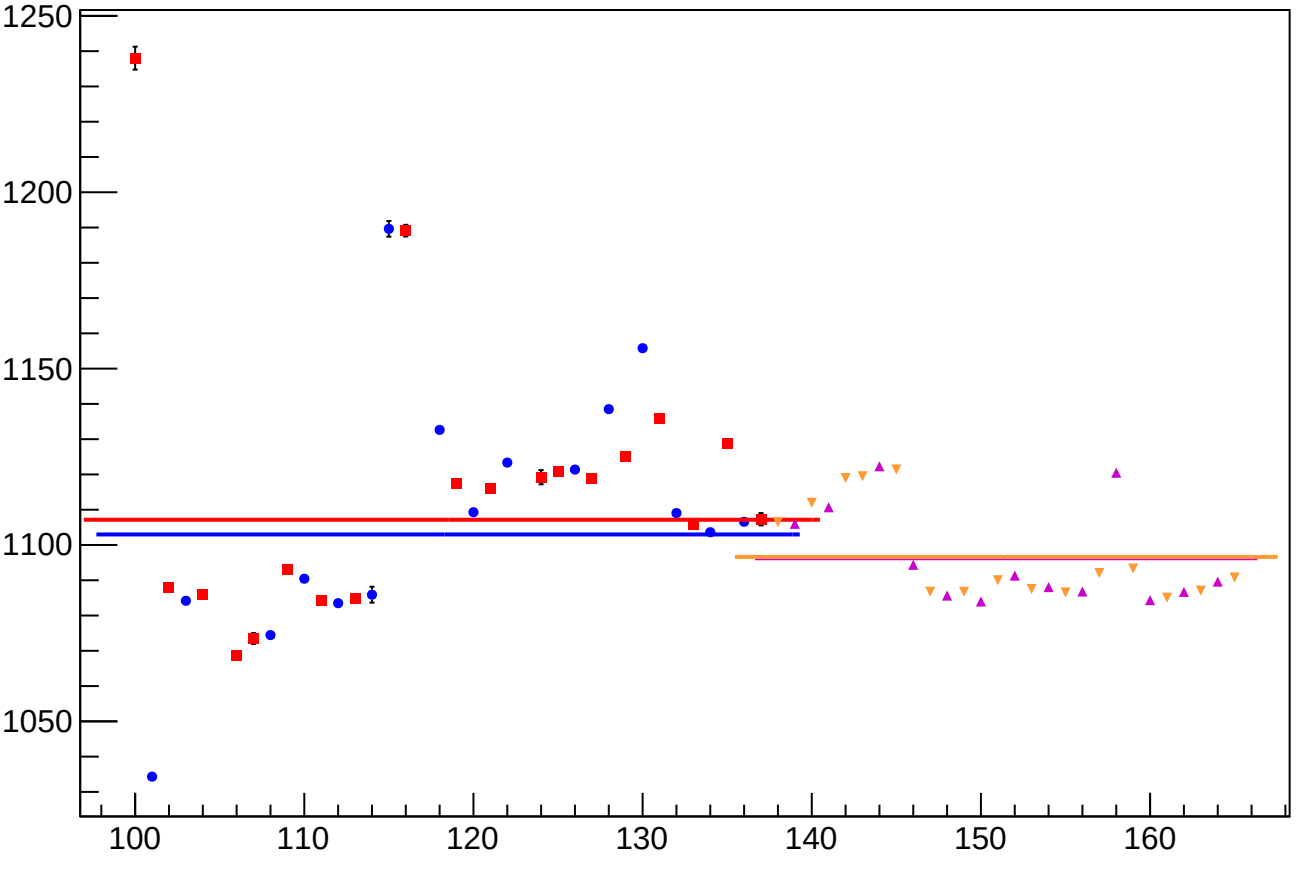
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2436.447+/-257.498 χ^2/NDF:30.7/28

Out: 2000.072+/-250.248 χ^2/NDF:23.4/33

All: 2212.030+/-179.461 χ^2/NDF: 55.6/62

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

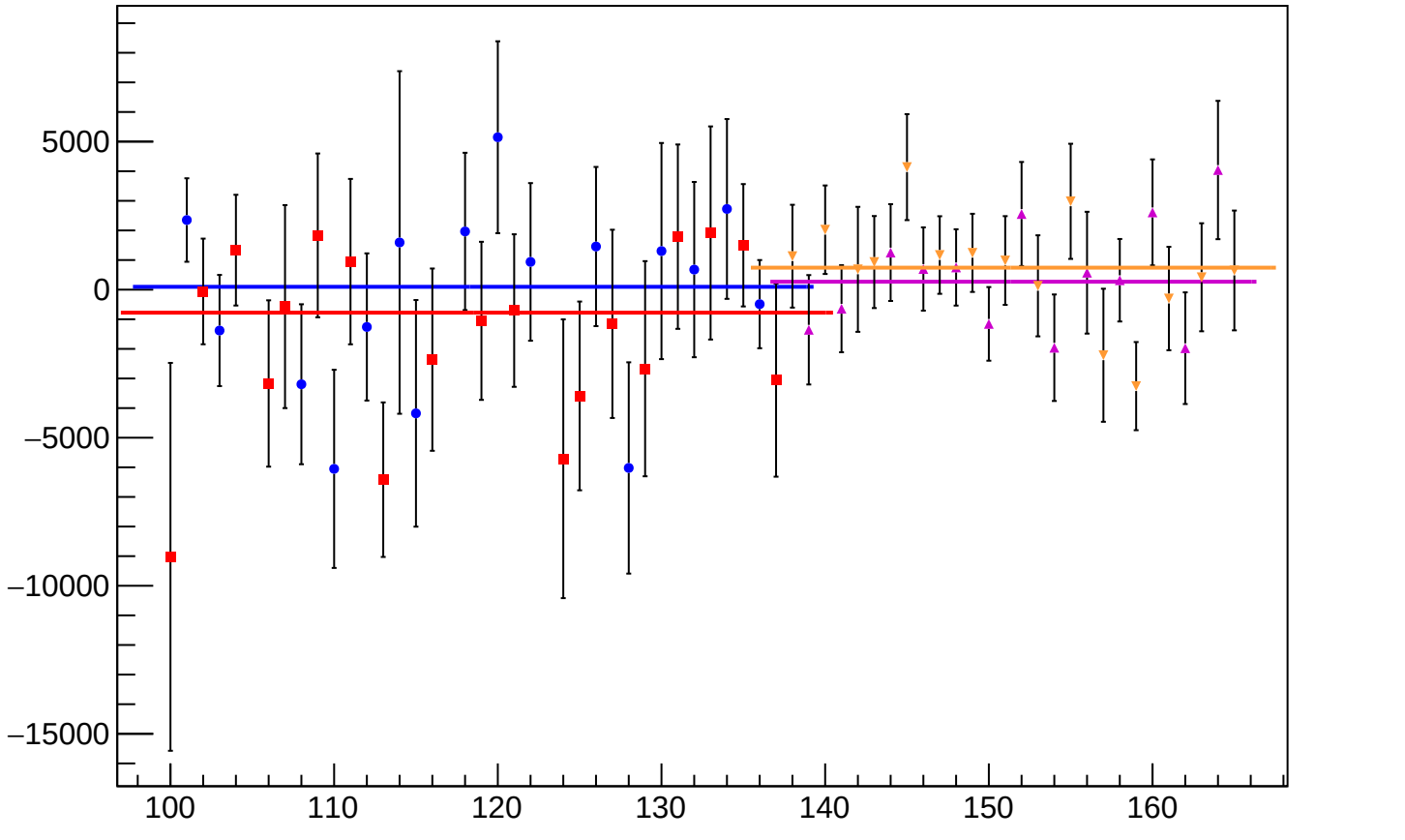
Left: 1096.436+/-0.162 χ^2/NDF: 6517.4/27

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.904+/-0.182 χ^2/NDF:16803.0/28

Out: 1100.666+/-0.177 χ^2/NDF:12788.0/33

All: 1099.810+/-0.127 χ^2/NDF: 29639.1/62



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 267.614+/-445.148 χ^2/NDF:12.1/12

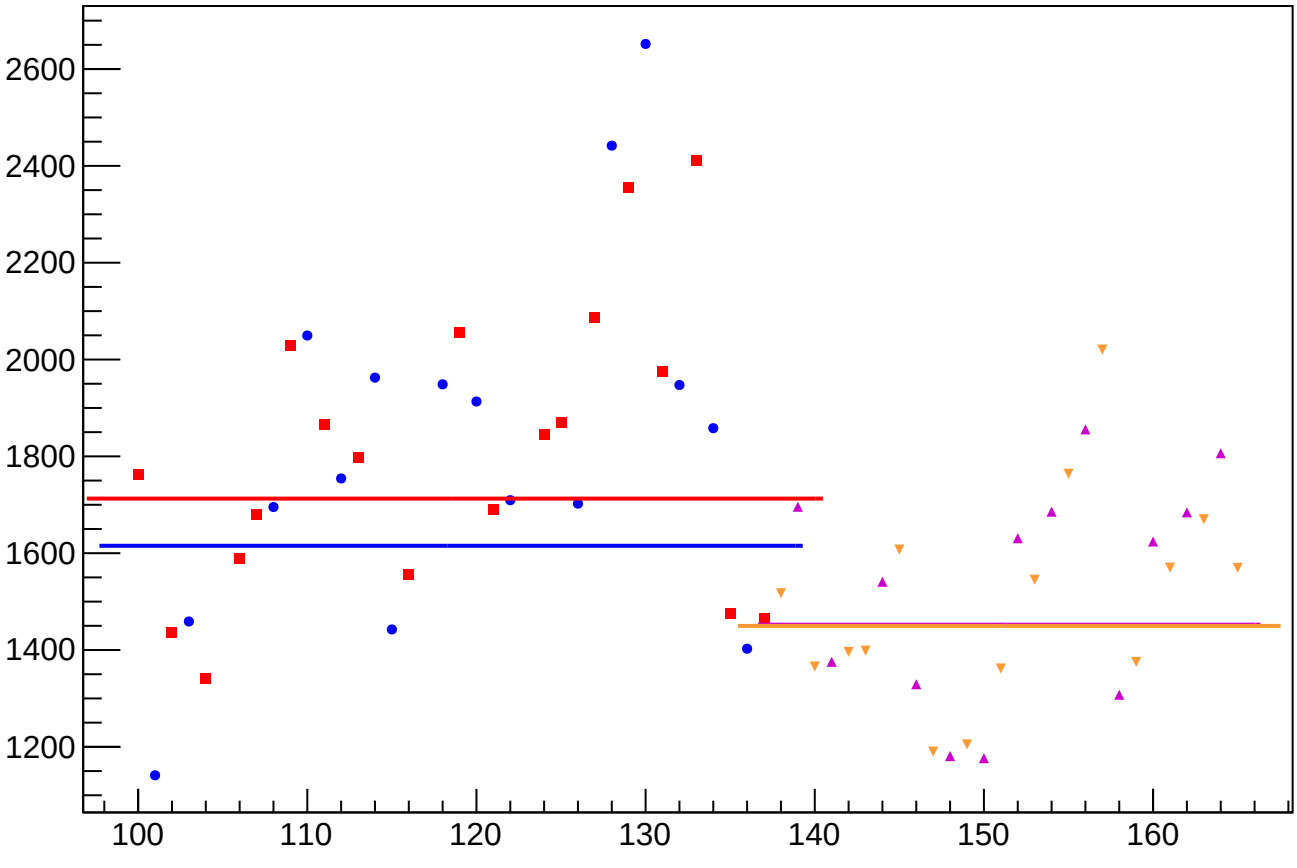
Left: 514.459+/-308.464 χ^2/NDF: 28.1/27

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 208.987+/-361.220 χ^2/NDF:29.0/28

Out: 270.088+/-355.156 χ^2/NDF:34.5/33

All: 240.054+/-253.250 χ^2/NDF: 63.5/62



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

Left: 1451.032+/-0.218 χ^2/NDF: 916914.9/27

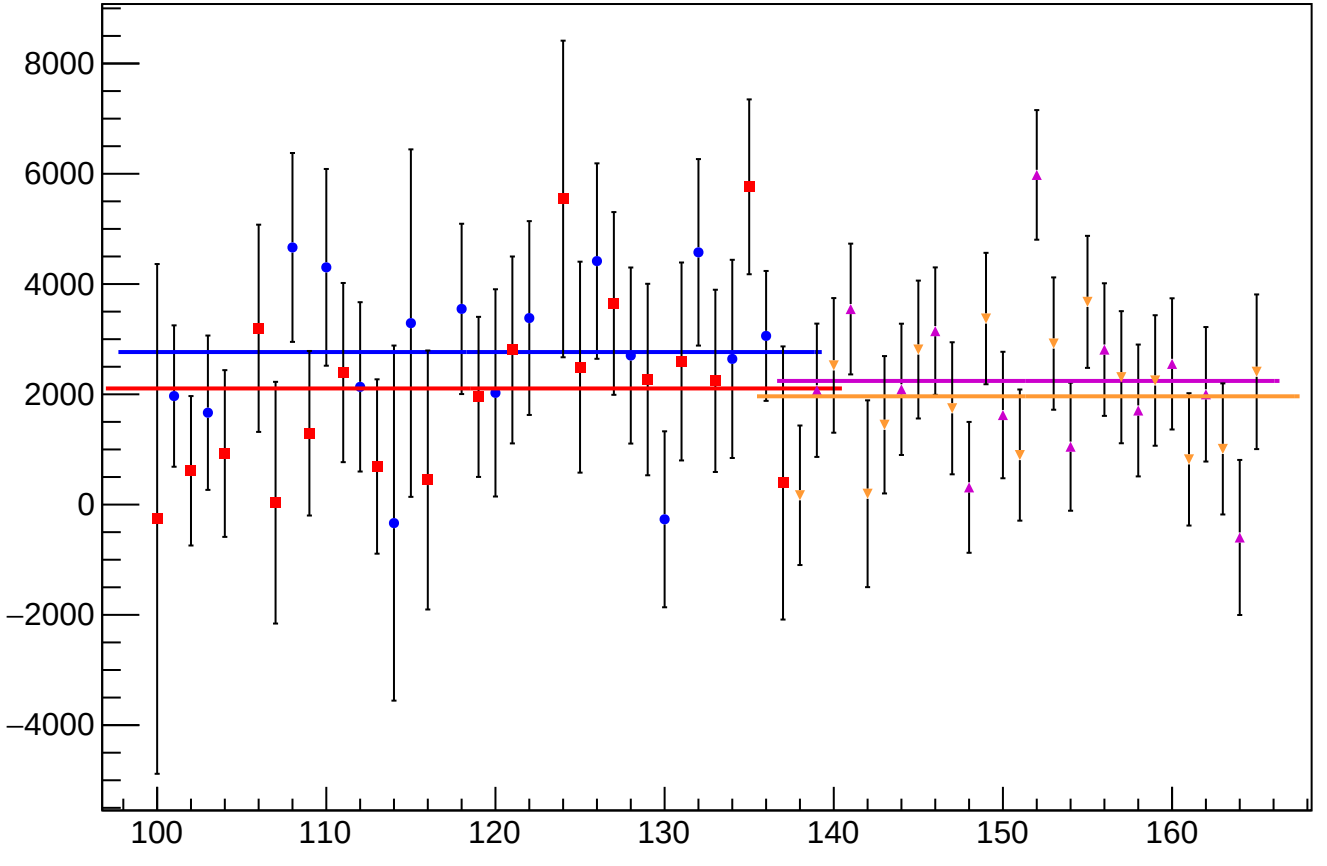
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1508.005+/-0.255 χ^2/NDF:1281139.1/28

Out: 1531.576+/-0.251 χ^2/NDF:1083915.8/33

All: 1519.990+/-0.179 χ^2/NDF: 2369384.9/62

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1963.882+/-320.275 χ^2/NDF:10.7/14

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2242.704+/-332.238 χ^2/NDF:20.6/12

Left: 2098.183+/-230.582 χ^2/NDF: 31.6/27

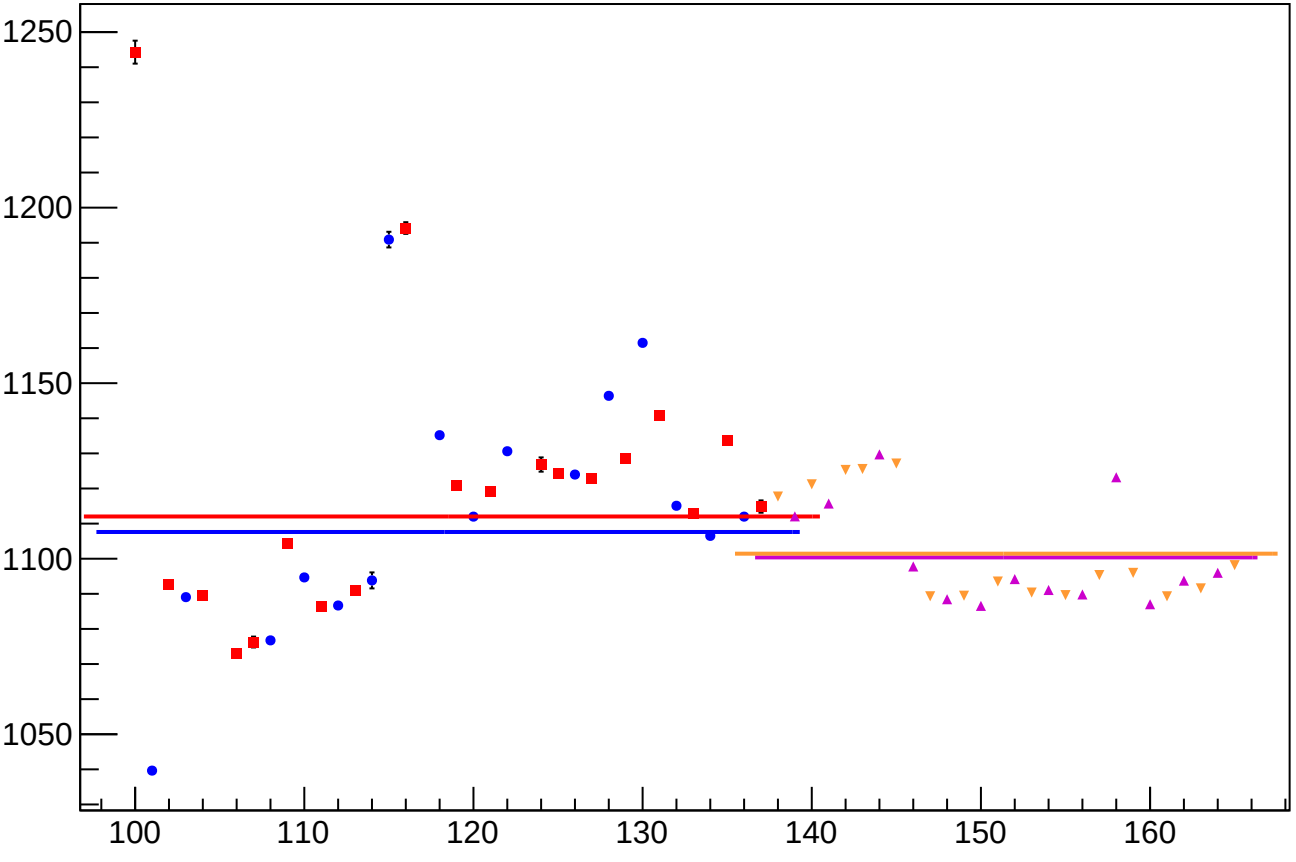
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2449.430+/-258.516 χ^2/NDF:31.9/28

Out: 2018.603+/-251.356 χ^2/NDF:24.1/33

All: 2227.967+/-180.214 χ^2/NDF: 57.4/62

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.436+/-0.226 χ^2/NDF:4153.2/14

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

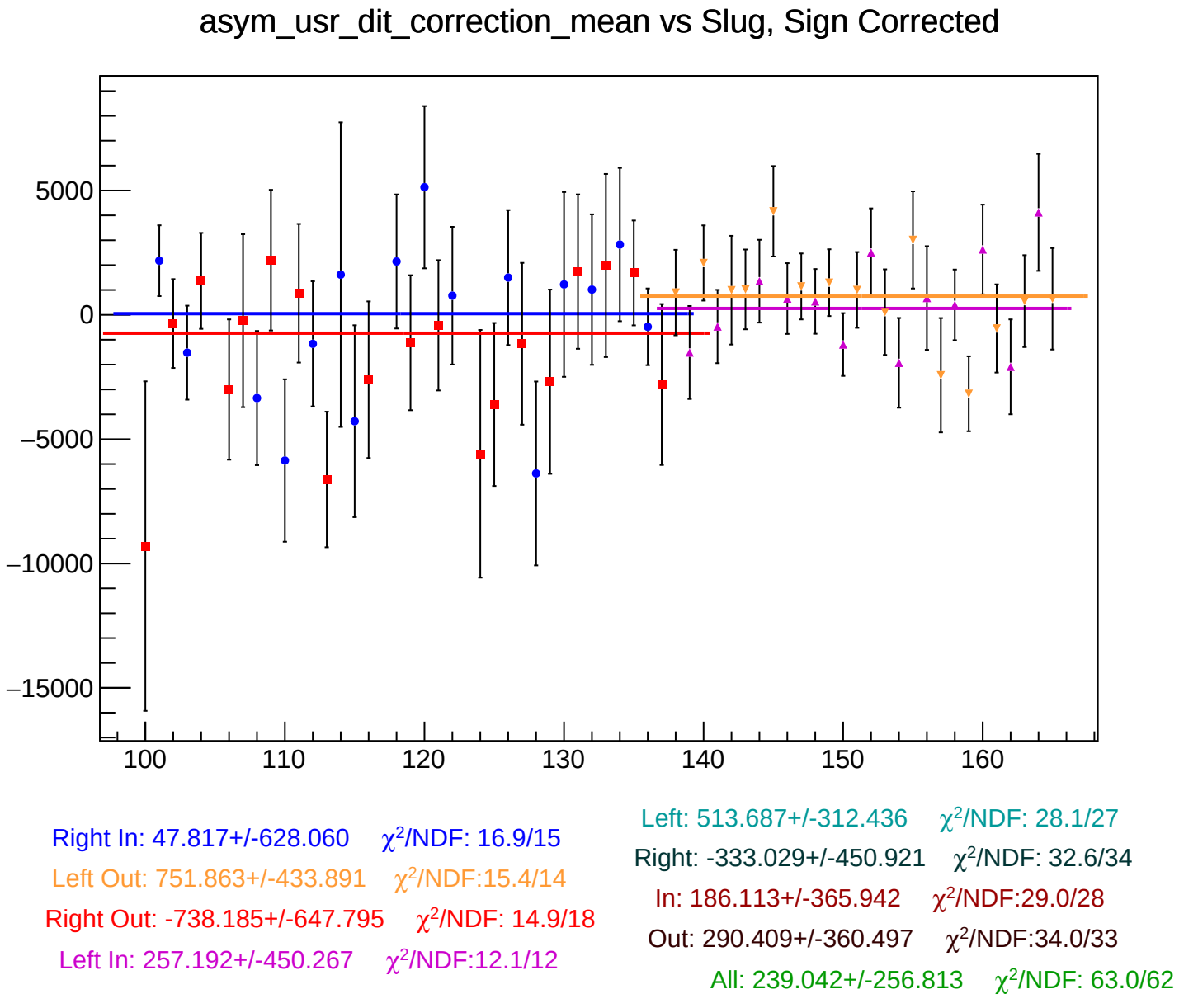
Left: 1100.923+/-0.163 χ^2/NDF: 7797.3/27

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

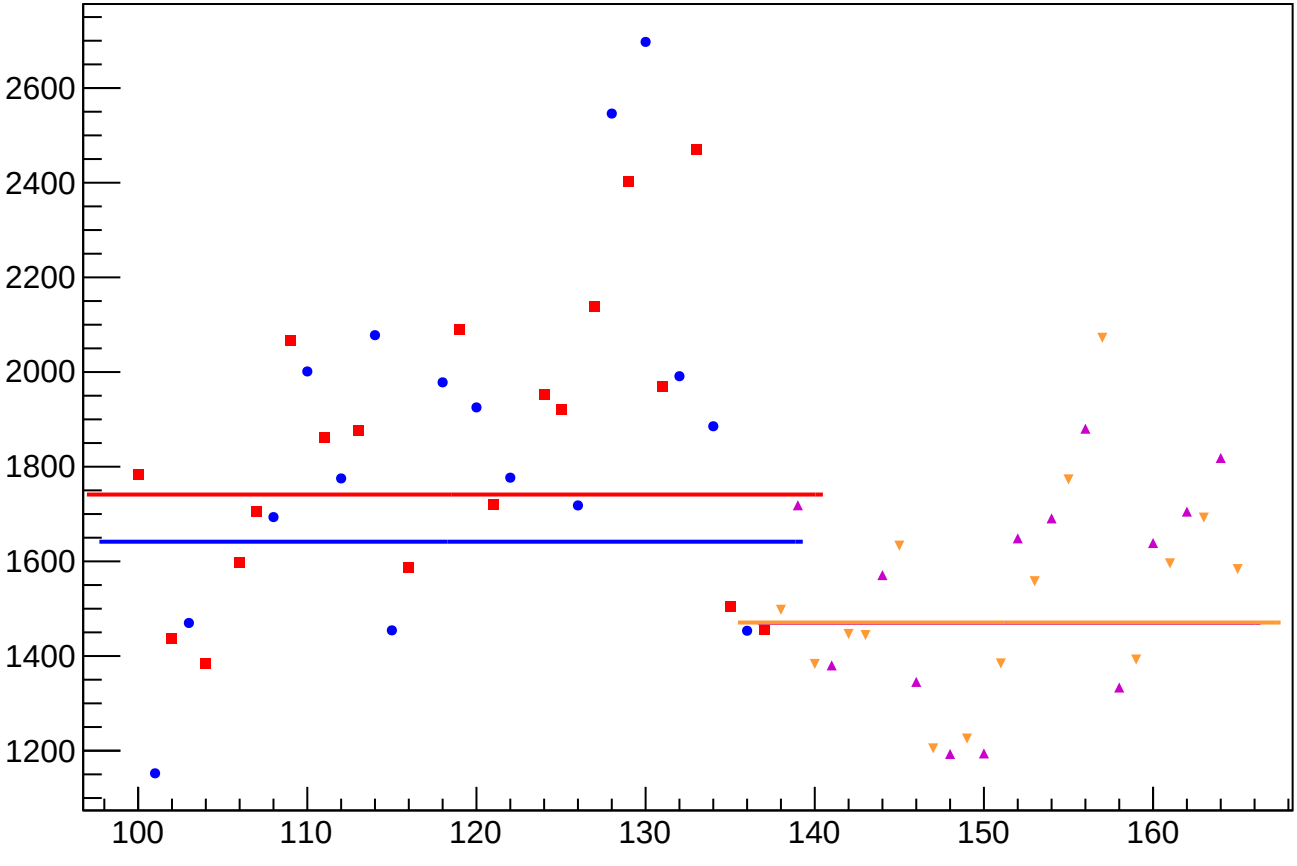
In: 1103.229+/-0.183 χ^2/NDF:17229.2/28

Out: 1105.504+/-0.178 χ^2/NDF:13647.1/33

All: 1104.399+/-0.127 χ^2/NDF: 30955.8/62


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 751.863+/-433.891 χ²/NDF:15.4/14
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 257.192+/-450.267 χ²/NDF:12.1/12
Left: 513.687+/-312.436 χ²/NDF: 28.1/27
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 186.113+/-365.942 χ²/NDF:29.0/28
Out: 290.409+/-360.497 χ²/NDF:34.0/33
All: 239.042+/-256.813 χ²/NDF: 63.0/62

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1470.790+/-0.307 χ^2/NDF:417827.7/14

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1469.864+/-0.318 χ^2/NDF:489489.5/12

Left: 1470.344+/-0.221 χ^2/NDF: 907321.6/27

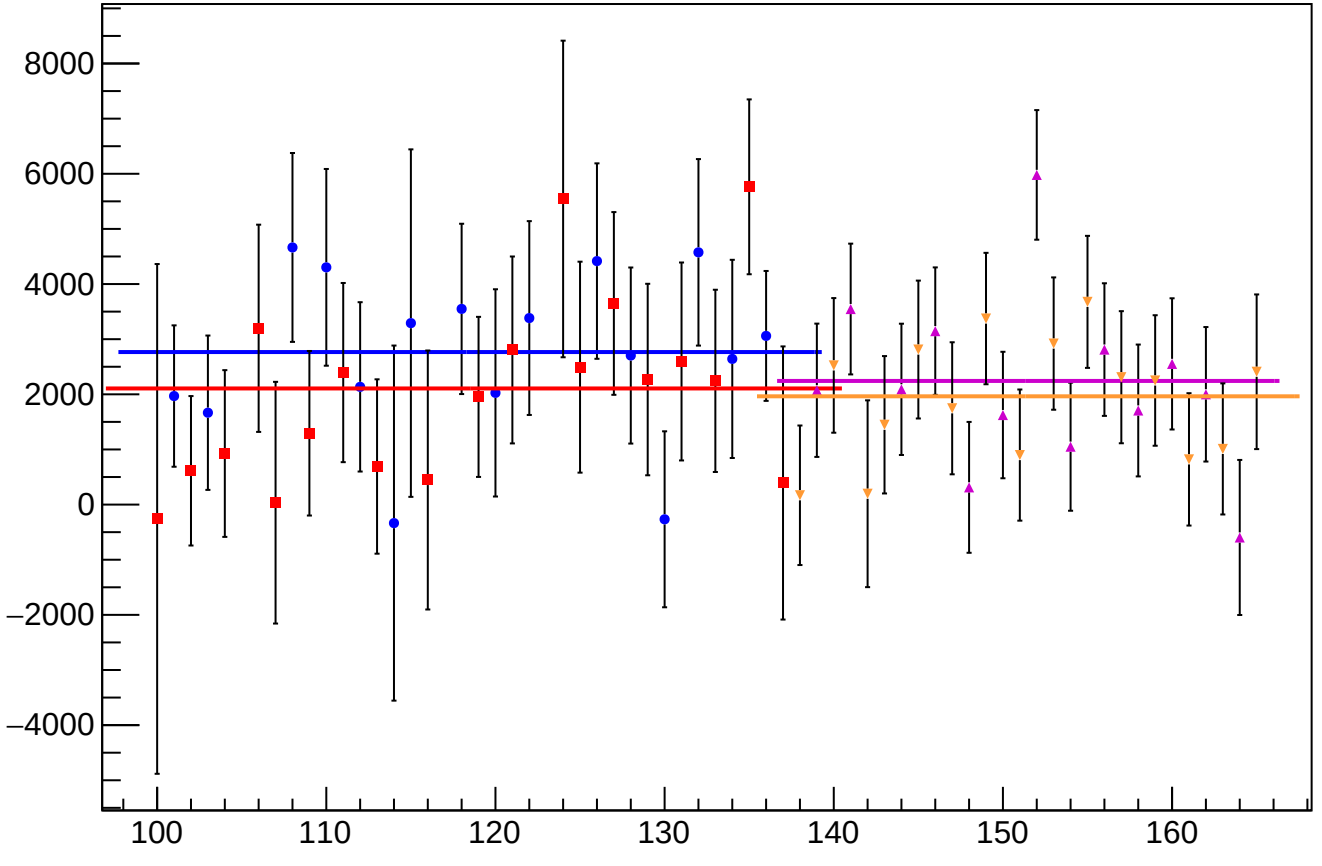
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1528.144+/-0.259 χ^2/NDF:1289501.5/28

Out: 1554.534+/-0.255 χ^2/NDF:1096734.8/33

All: 1541.537+/-0.182 χ^2/NDF: 2391514.5/62

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1963.879+/-320.275 χ^2/NDF:10.7/14

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2242.705+/-332.238 χ^2/NDF:20.6/12

Left: 2098.182+/-230.582 χ^2/NDF: 31.6/27

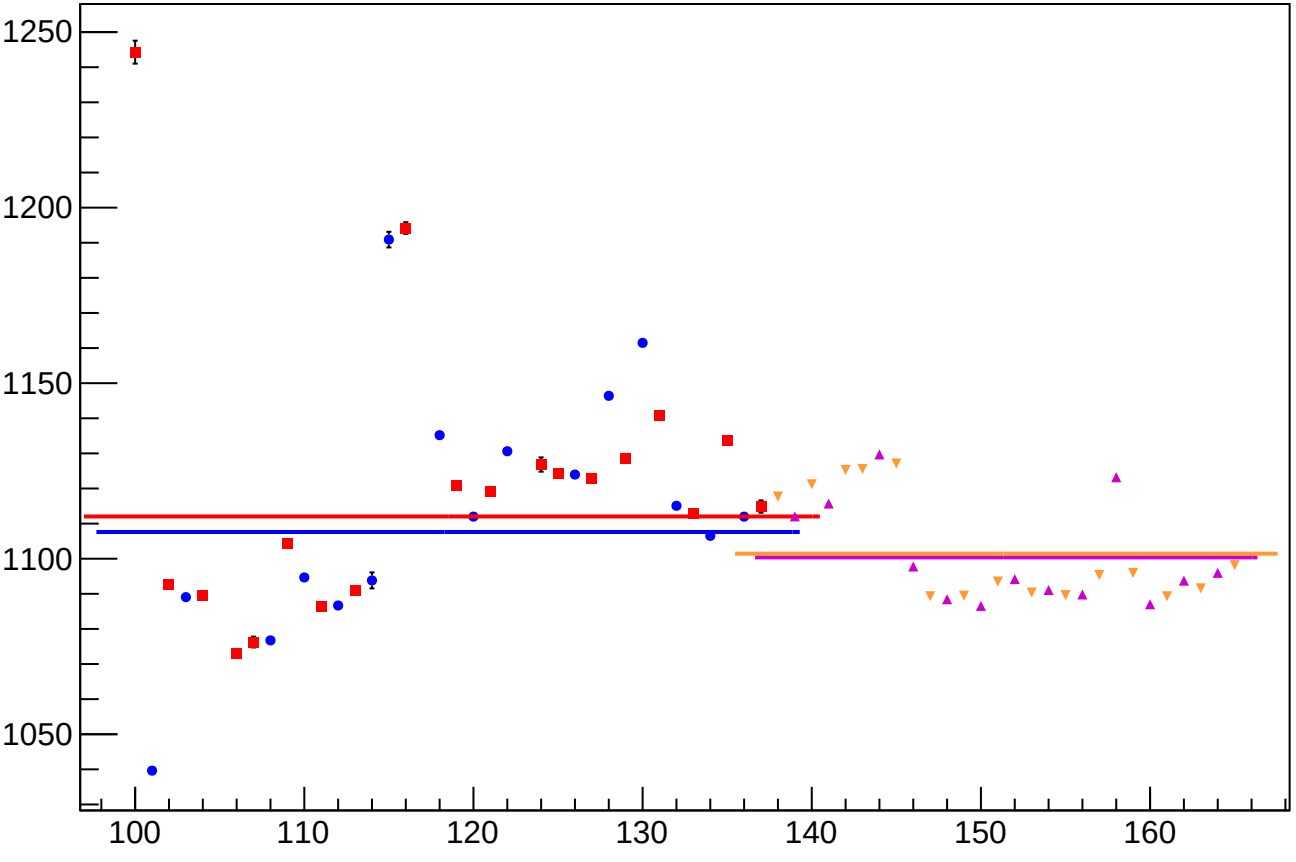
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2449.431+/-258.516 χ^2/NDF:31.9/28

Out: 2018.602+/-251.356 χ^2/NDF:24.1/33

All: 2227.967+/-180.214 χ^2/NDF: 57.4/62

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.436+/-0.226 χ^2/NDF:4153.2/14

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

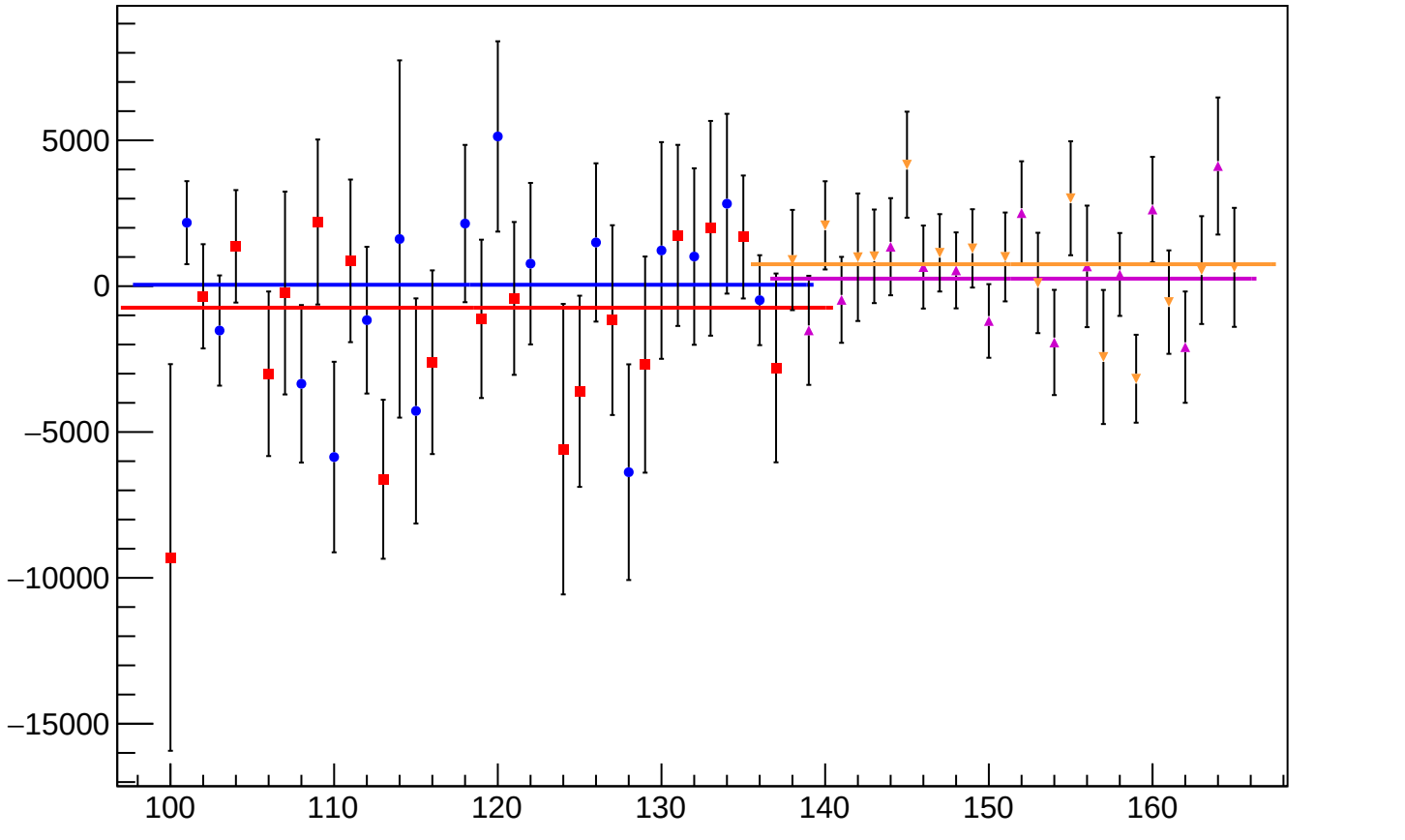
Left: 1100.923+/-0.163 χ^2/NDF: 7797.3/27

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1103.229+/-0.183 χ^2/NDF:17229.0/28

Out: 1105.504+/-0.178 χ^2/NDF:13647.0/33

All: 1104.399+/-0.127 χ^2/NDF: 30955.7/62



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 751.862+/-433.892 χ^2/NDF:15.4/14

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 257.193+/-450.268 χ^2/NDF:12.1/12

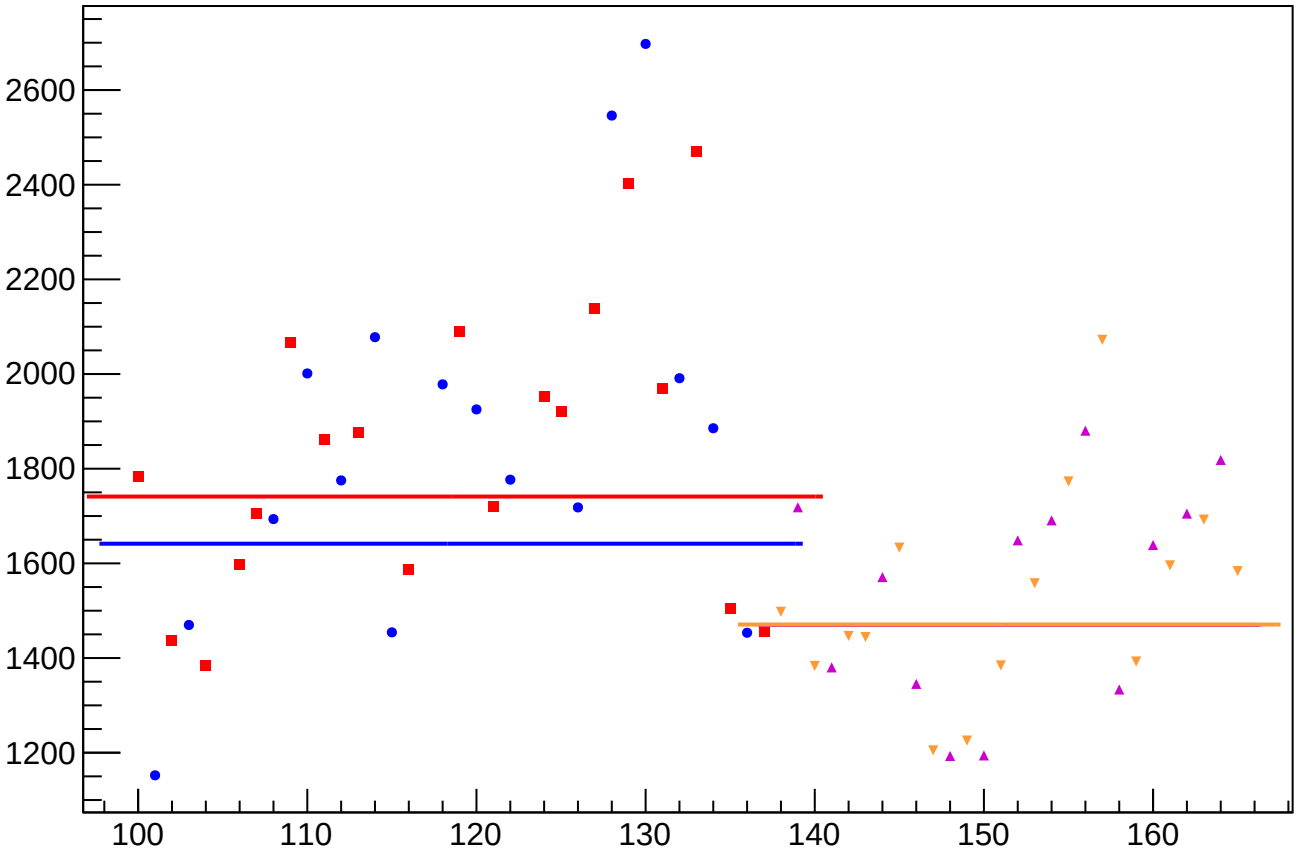
Left: 513.687+/-312.437 χ^2/NDF: 28.1/27

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 186.112+/-365.942 χ^2/NDF:29.0/28

Out: 290.405+/-360.498 χ^2/NDF:34.0/33

All: 239.040+/-256.814 χ^2/NDF: 63.0/62



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1470.794+/-0.307 χ^2/NDF:417832.2/14

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1469.867+/-0.318 χ^2/NDF:489495.0/12

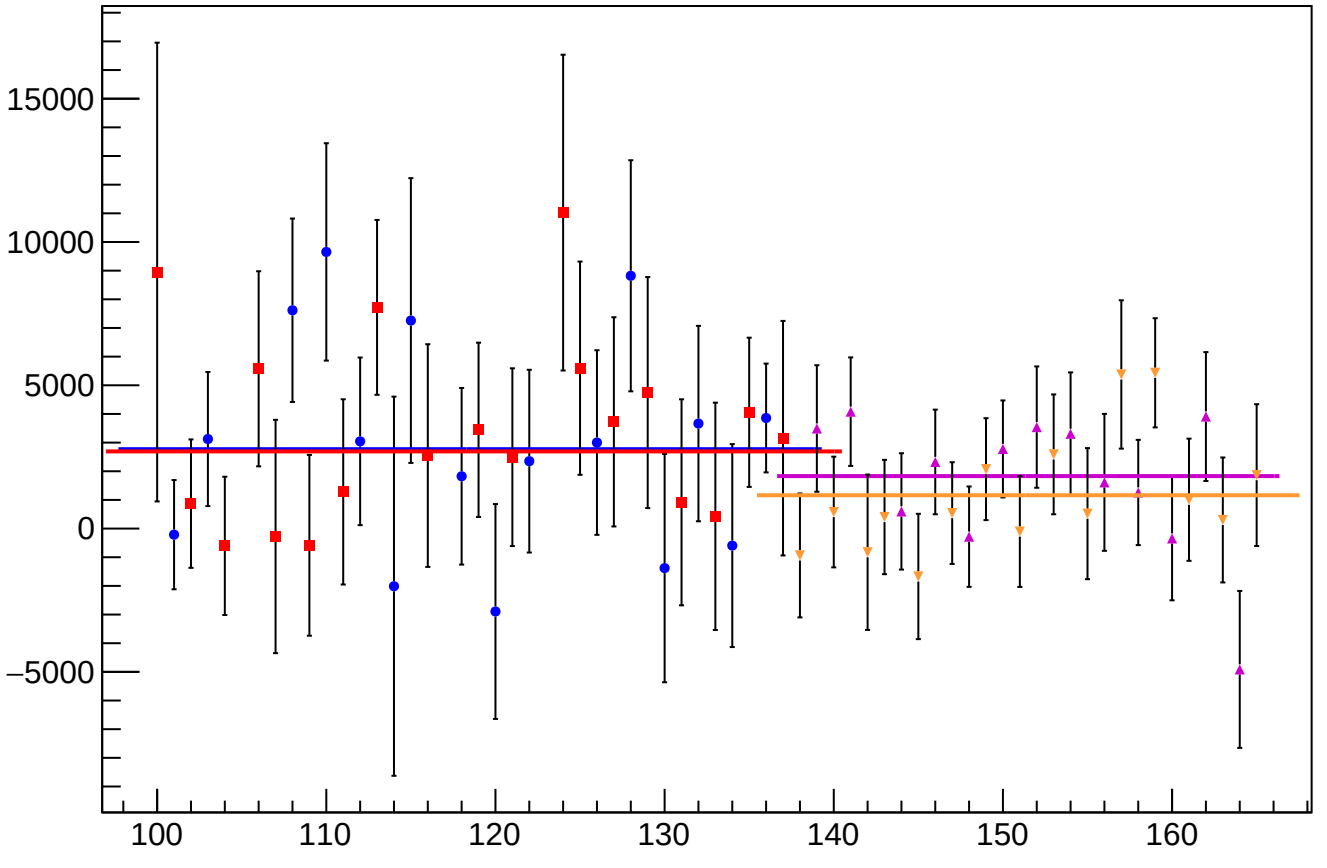
Left: 1470.348+/-0.221 χ^2/NDF: 907331.6/27

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1528.146+/-0.259 χ^2/NDF:1289488.3/28

Out: 1554.536+/-0.255 χ^2/NDF:1096718.4/33

All: 1541.539+/-0.182 χ^2/NDF: 2391485.2/62



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1162.895+/-540.830 χ^2/NDF:12.7/14

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1831.171+/-562.493 χ^2/NDF:13.4/12

Left: 1483.917+/-389.858 χ^2/NDF: 26.8/27

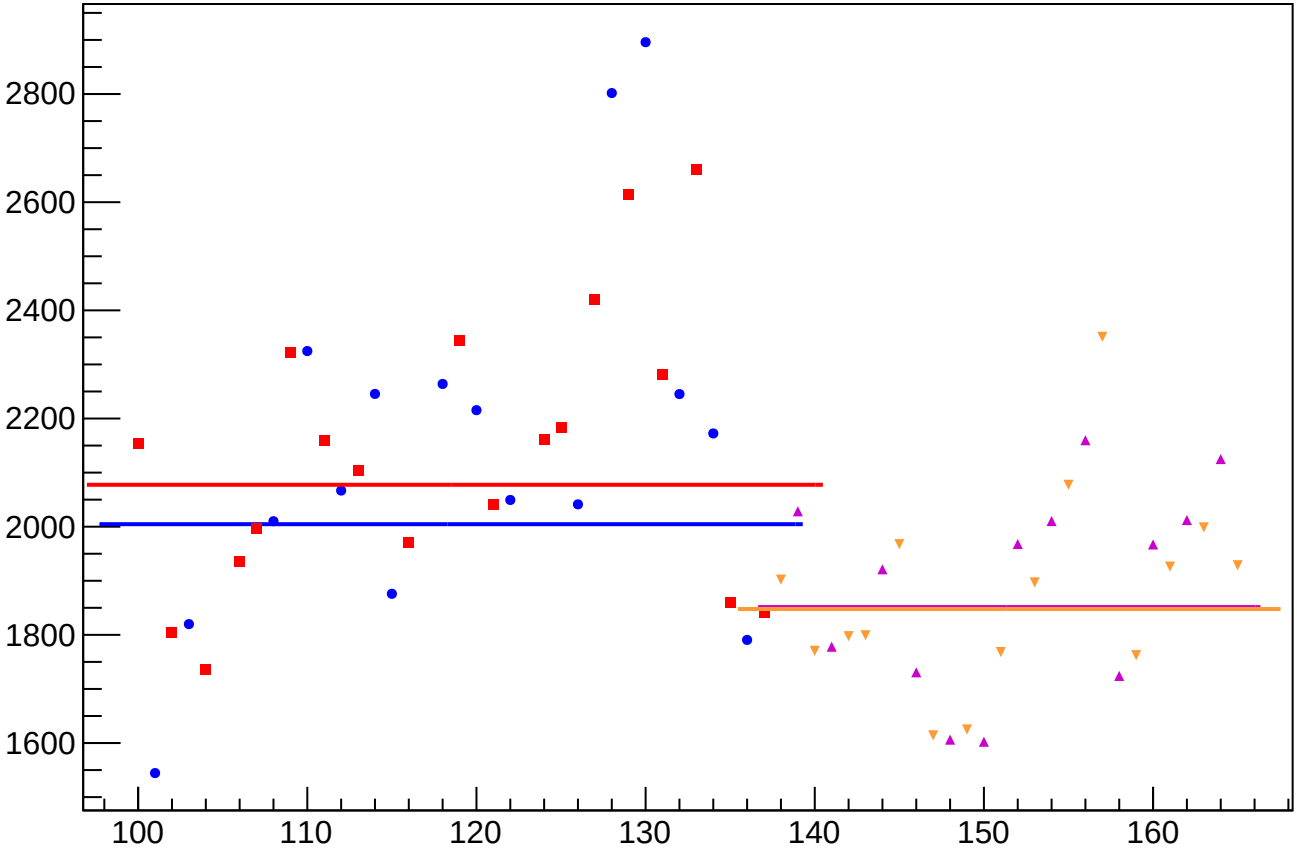
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2165.057+/-451.518 χ^2/NDF:30.8/28

Out: 1672.001+/-441.759 χ^2/NDF:27.9/33

All: 1913.143+/-315.765 χ^2/NDF: 59.3/62

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1847.810+/-0.382 χ^2/NDF:197136.4/14

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1851.375+/-0.398 χ^2/NDF:205423.9/12

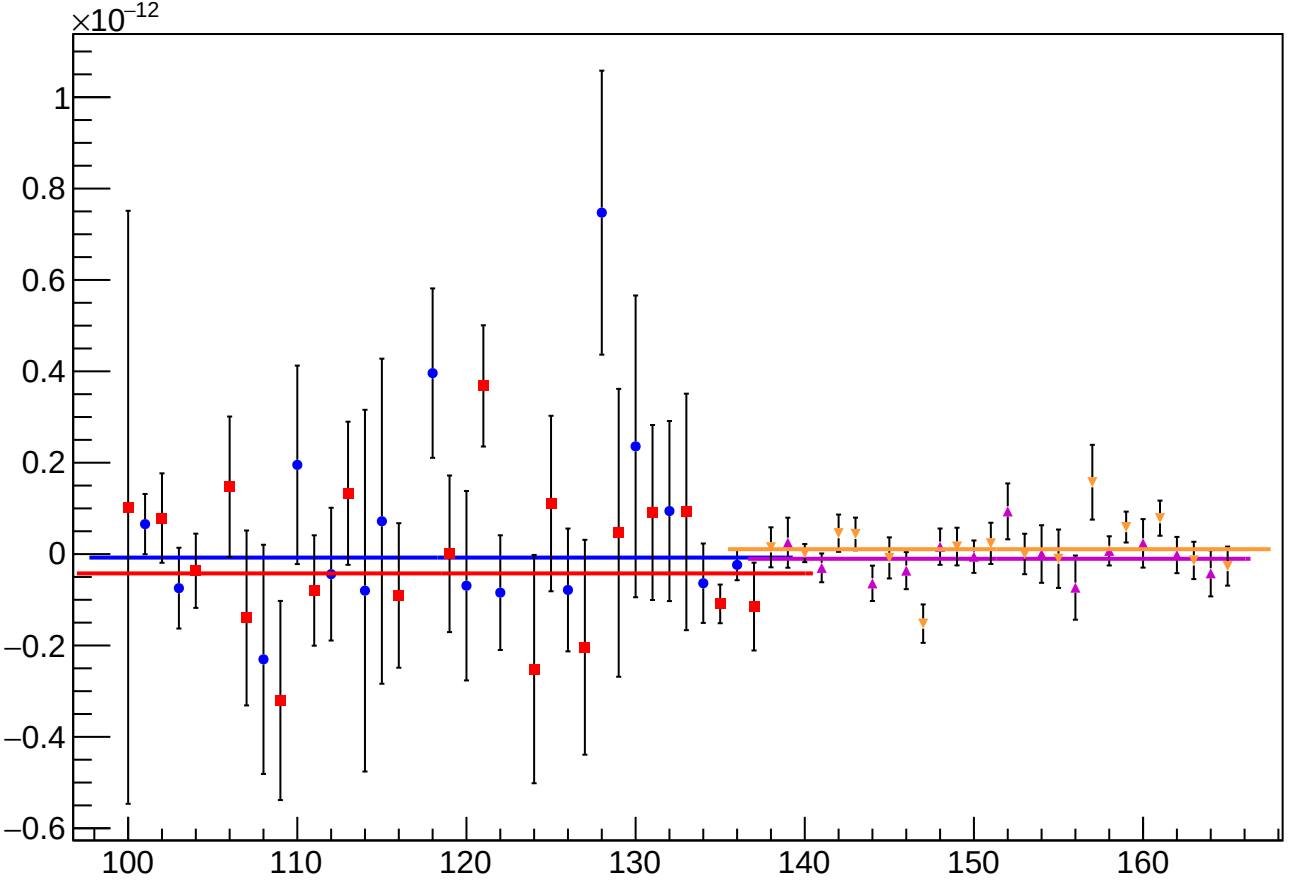
Left: 1849.523+/-0.276 χ^2/NDF: 402602.1/27

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1905.884+/-0.319 χ^2/NDF:645797.6/28

Out: 1924.253+/-0.312 χ^2/NDF:547675.6/33

All: 1915.269+/-0.223 χ^2/NDF: 1195164.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/12

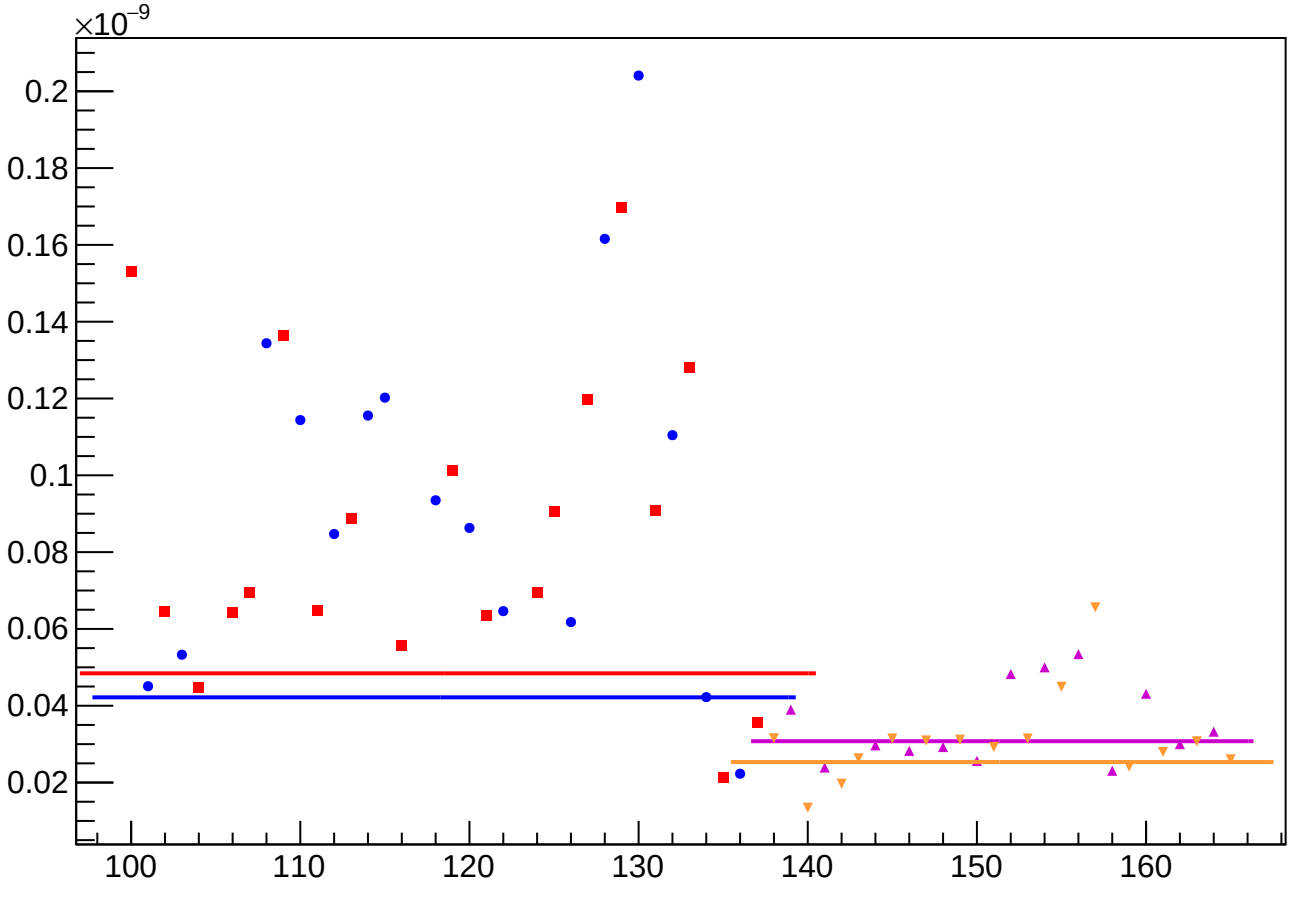
Left: 0.000+/-0.000 χ^2/NDF: 37.1/27

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/28

Out: 0.000+/-0.000 χ^2/NDF:51.9/33

All: -0.000+/-0.000 χ^2/NDF: 77.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1688235.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:982472.0/12

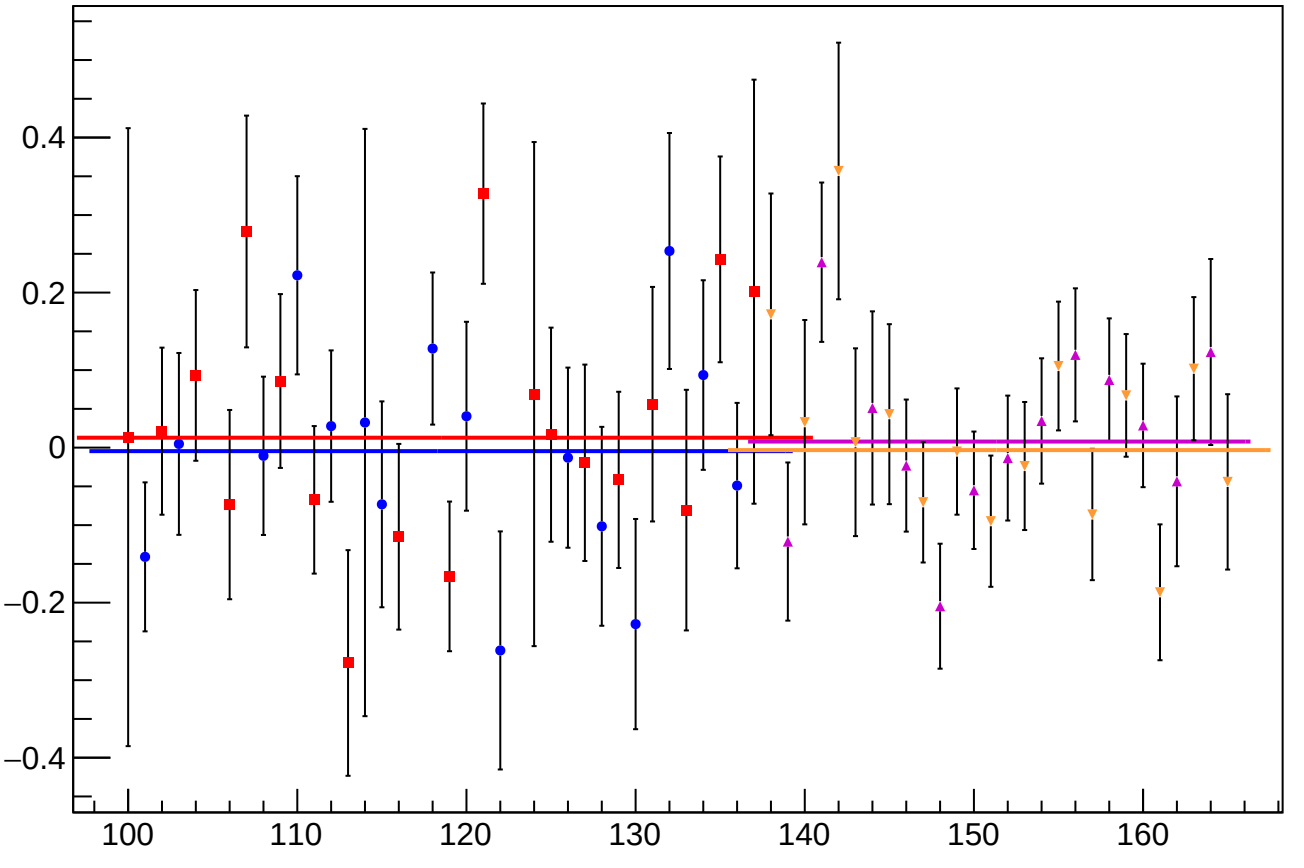
Left: 0.000+/-0.000 χ^2/NDF: 2916902.2/27

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4273227.3/28

Out: 0.000+/-0.000 χ^2/NDF:5580470.9/33

All: 0.000+/-0.000 χ^2/NDF: 10091677.8/62



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

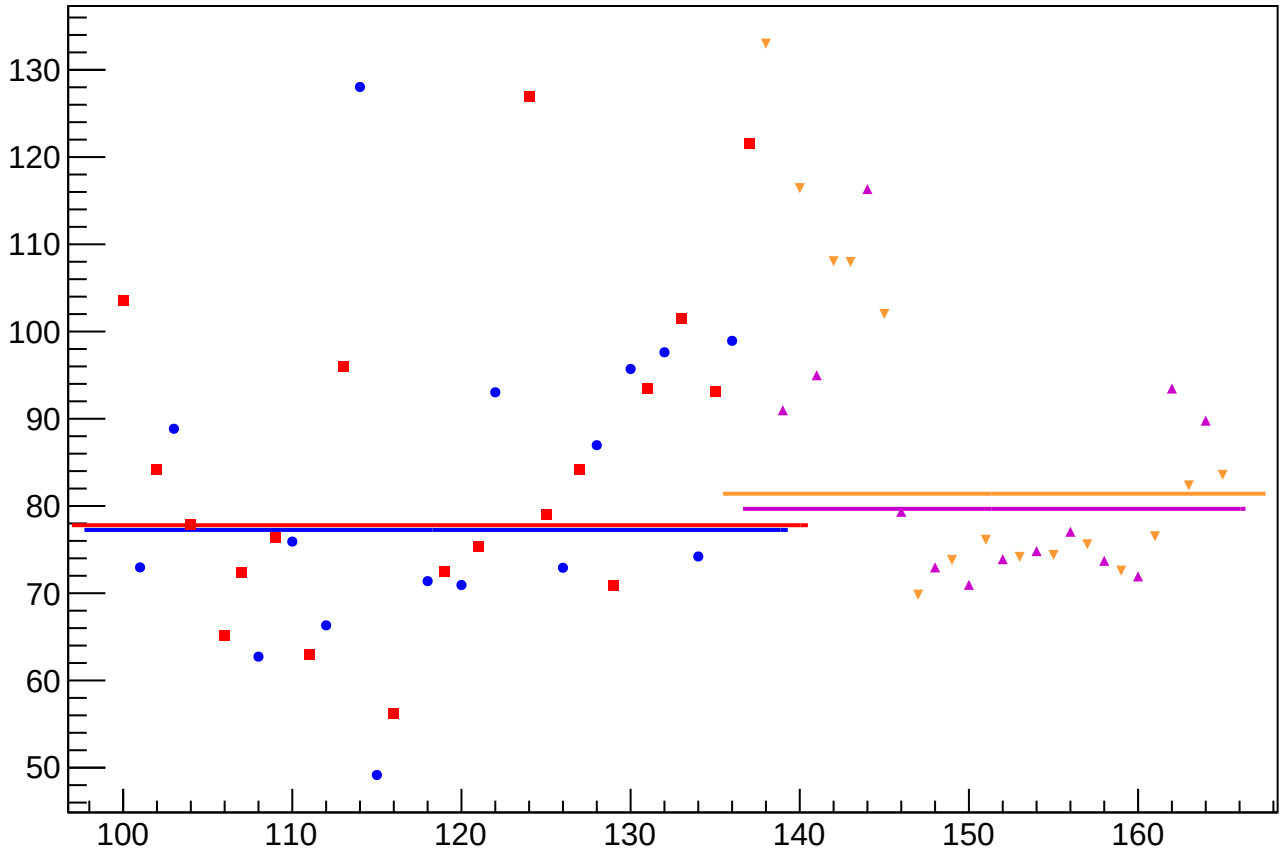
Left: 0.002+/-0.017 χ^2/NDF: 36.2/27

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.003+/-0.019 χ^2/NDF:43.1/33

All: 0.003+/-0.013 χ^2/NDF: 79.2/62



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.407+/-0.017 χ^2/NDF:712057.7/14

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

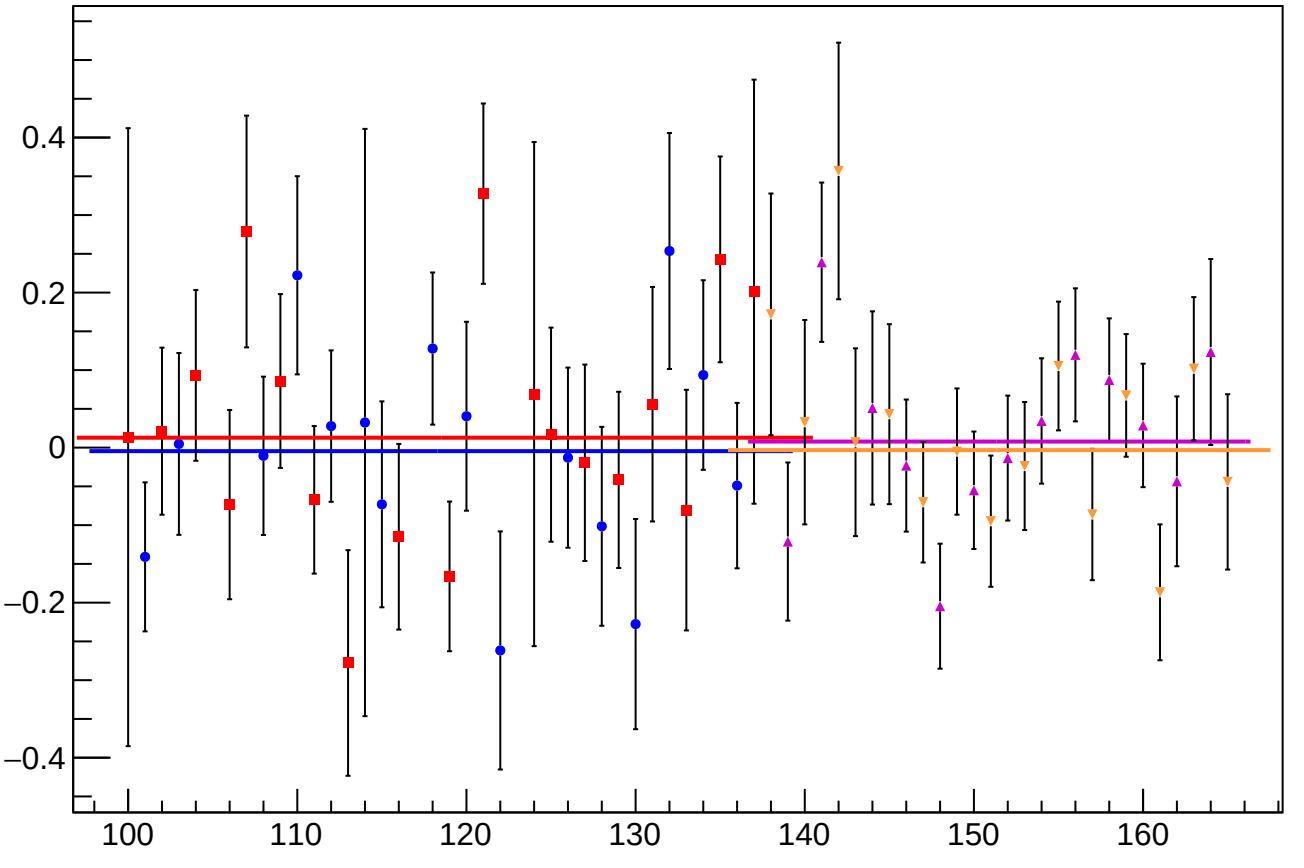
Left: 80.545+/-0.012 χ^2/NDF: 1094799.0/27

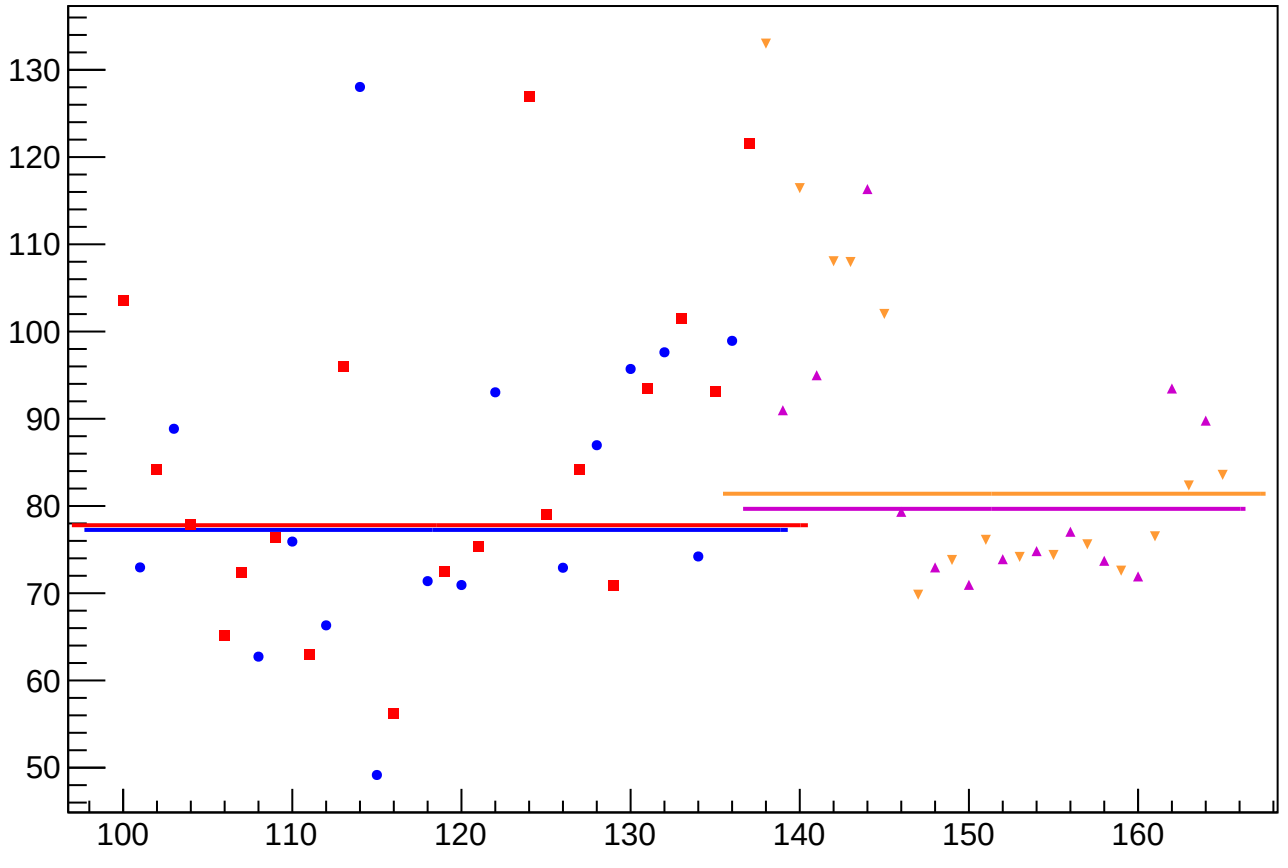
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.698+/-0.014 χ^2/NDF:804804.3/28

Out: 79.937+/-0.013 χ^2/NDF:1126035.0/33

All: 79.322+/-0.010 χ^2/NDF: 1935080.5/62


asym_usr_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
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.003+/-0.025 χ²/NDF:17.5/14
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.008+/-0.025 χ²/NDF:18.6/12
Left: 0.002+/-0.017 χ²/NDF: 36.2/27
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: 0.003+/-0.019 χ²/NDF:36.0/28
Out: 0.003+/-0.019 χ²/NDF:43.1/33
All: 0.003+/-0.013 χ²/NDF: 79.2/62



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.407+/-0.017 χ^2/NDF:712057.7/14

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

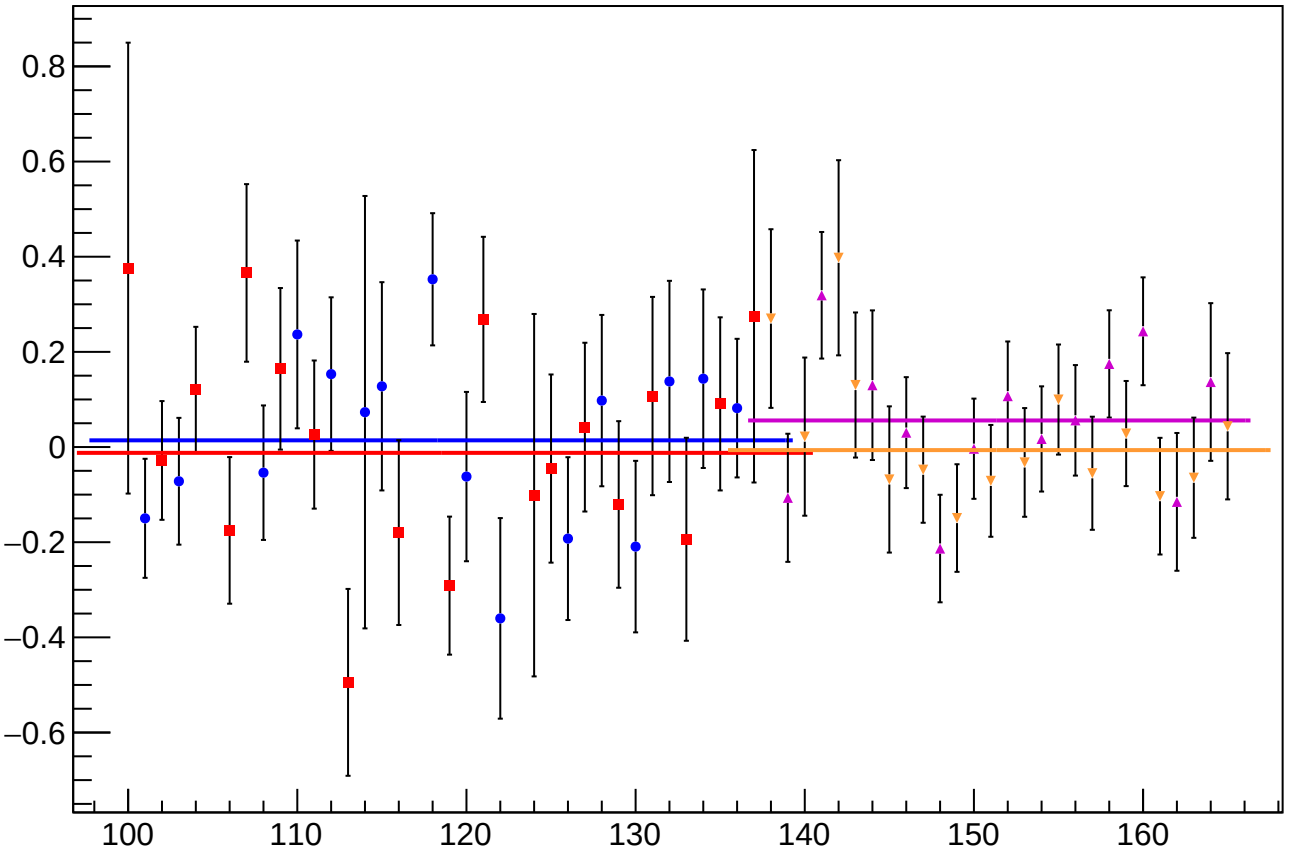
Left: 80.545+/-0.012 χ^2/NDF: 1094799.0/27

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.698+/-0.014 χ^2/NDF:804804.3/28

Out: 79.937+/-0.013 χ^2/NDF:1126035.0/33

All: 79.322+/-0.010 χ^2/NDF: 1935080.5/62



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.034 χ^2/NDF:11.2/14

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.056+/-0.034 χ^2/NDF:17.4/12

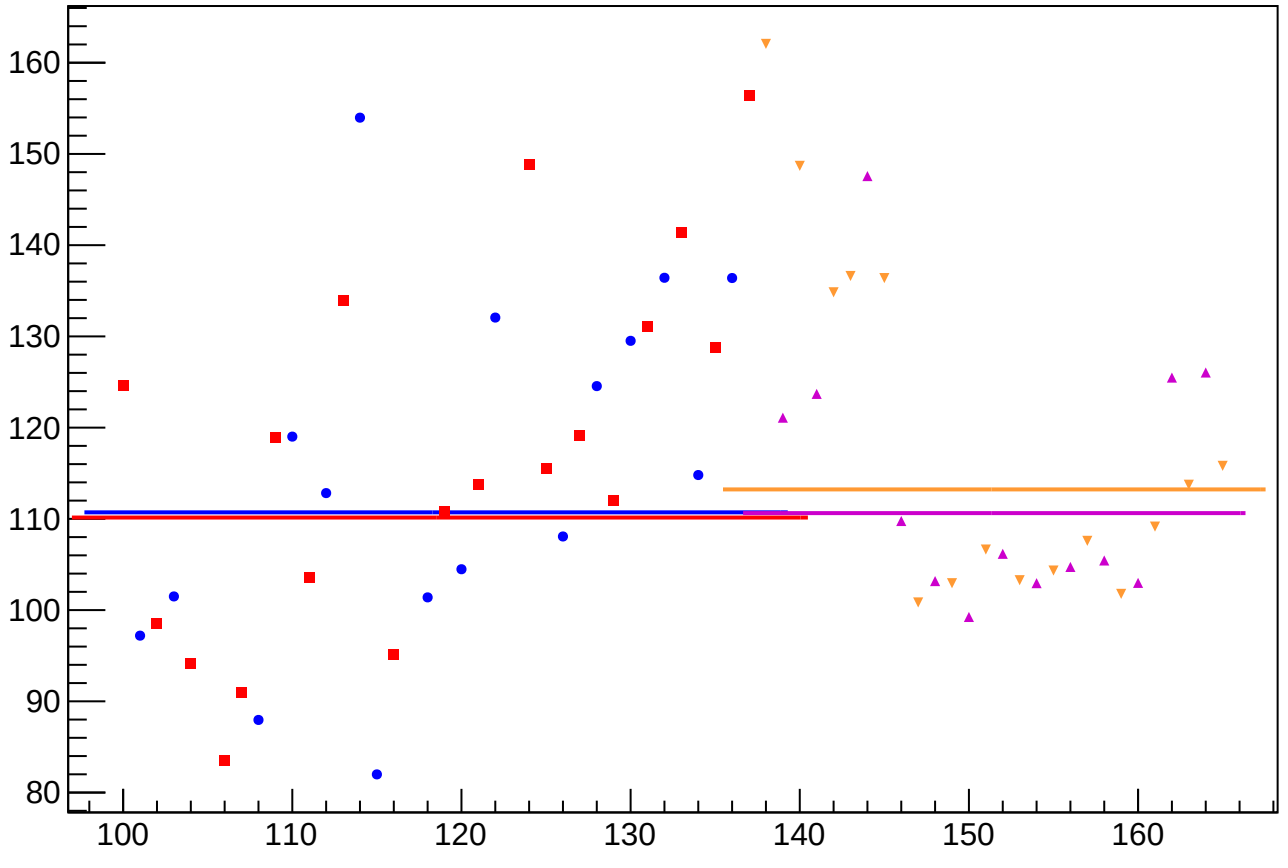
Left: 0.024+/-0.024 χ^2/NDF: 30.3/27

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.039+/-0.026 χ^2/NDF:36.2/28

Out: -0.009+/-0.026 χ^2/NDF:34.9/33

All: 0.015+/-0.019 χ^2/NDF: 72.8/62



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.228+/-0.024 χ^2/NDF:444463.6/14

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.630+/-0.024 χ^2/NDF:243502.3/12

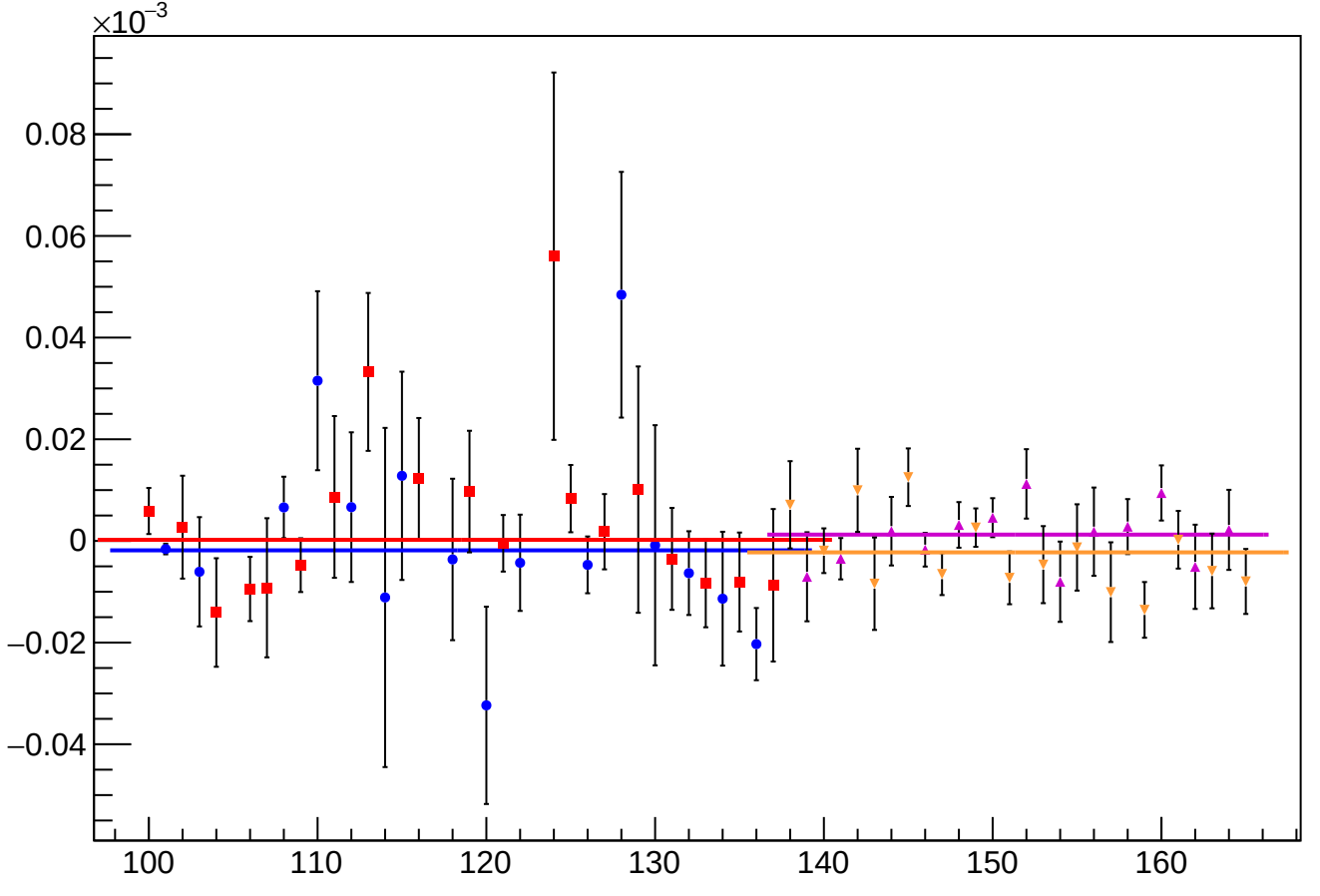
Left: 111.939+/-0.017 χ^2/NDF: 693859.7/27

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 110.663+/-0.019 χ^2/NDF:543479.9/28

Out: 111.996+/-0.018 χ^2/NDF:777878.1/33

All: 111.339+/-0.013 χ^2/NDF: 1323925.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

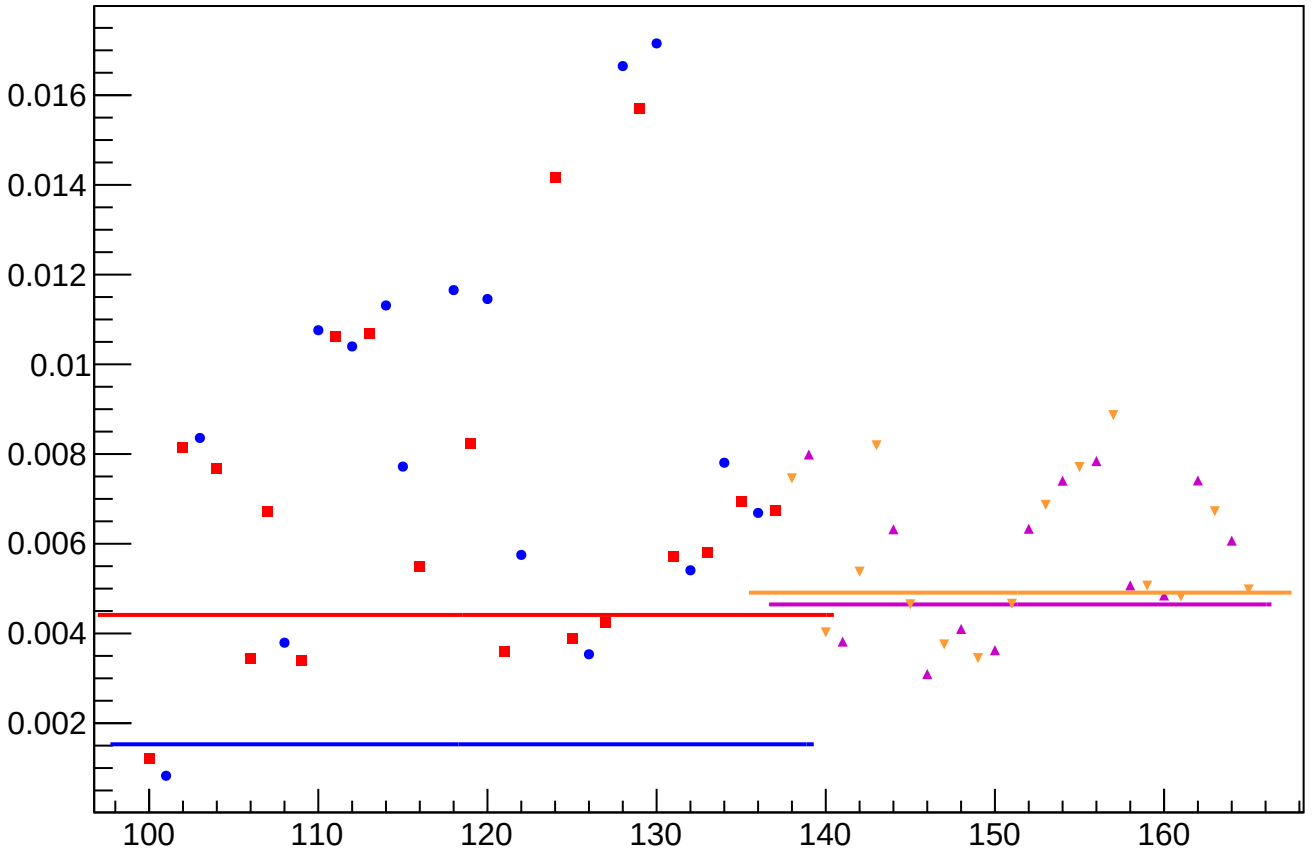
Left: -0.000+/-0.000 χ^2/NDF: 33.8/27

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.9/28

Out: -0.000+/-0.000 χ^2/NDF:41.5/33

All: -0.000+/-0.000 χ^2/NDF: 76.5/62



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1789127.0/14

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2047012.1/12

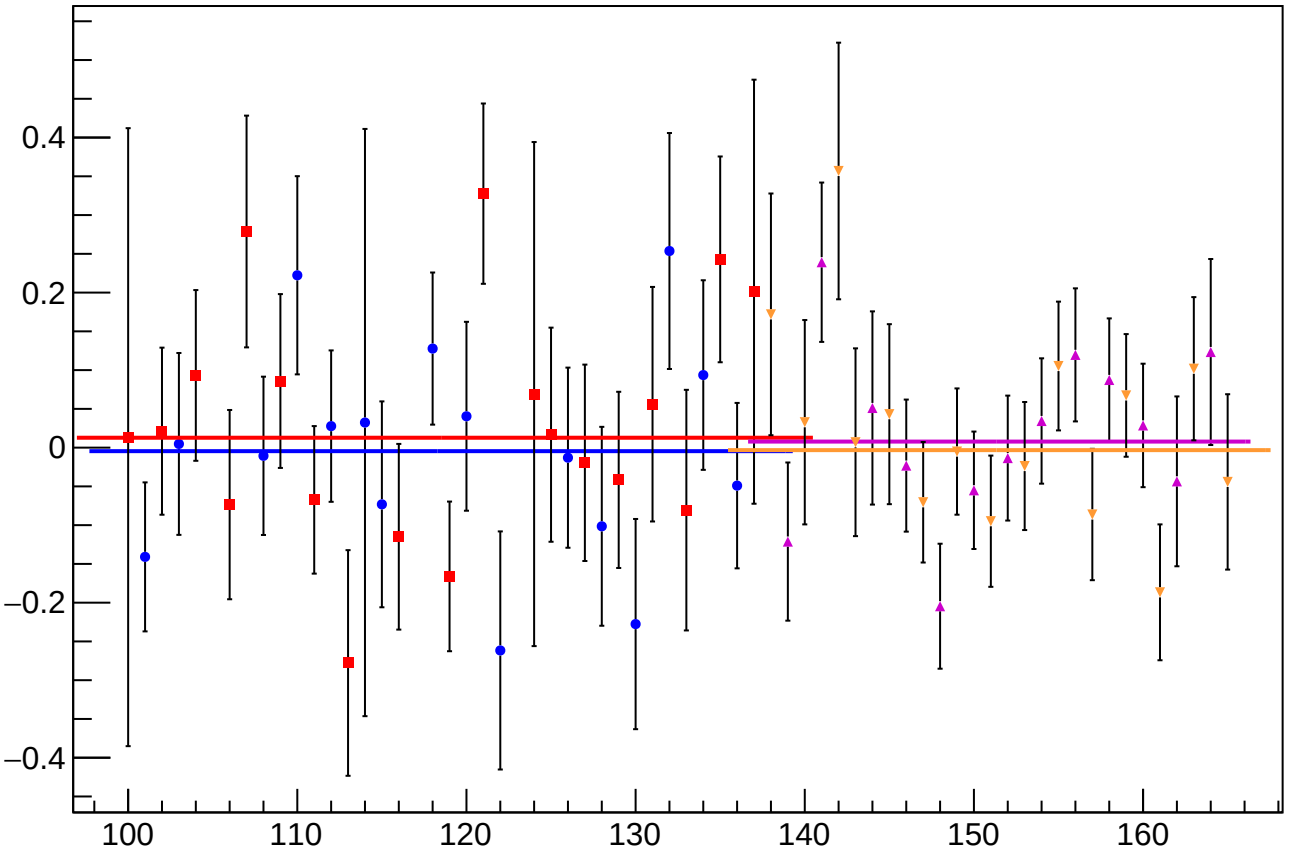
Left: 0.005+/-0.000 χ^2/NDF: 3866987.8/27

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:17440818.9/28

Out: 0.005+/-0.000 χ^2/NDF:5259572.1/33

All: 0.003+/-0.000 χ^2/NDF: 27602069.7/62



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

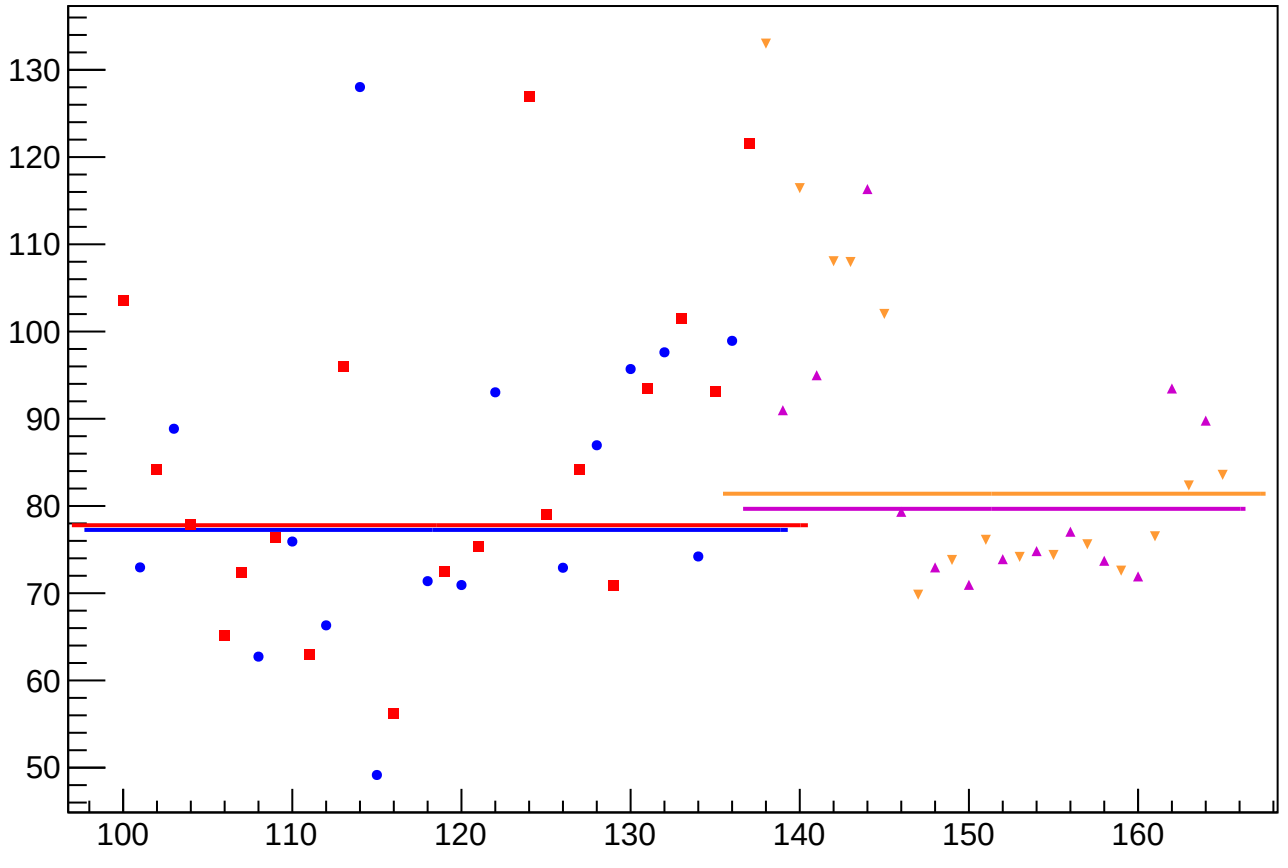
Left: 0.002+/-0.017 χ^2/NDF: 36.2/27

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.003+/-0.019 χ^2/NDF:43.1/33

All: 0.003+/-0.013 χ^2/NDF: 79.2/62



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.407+/-0.017 χ^2/NDF:712055.3/14

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

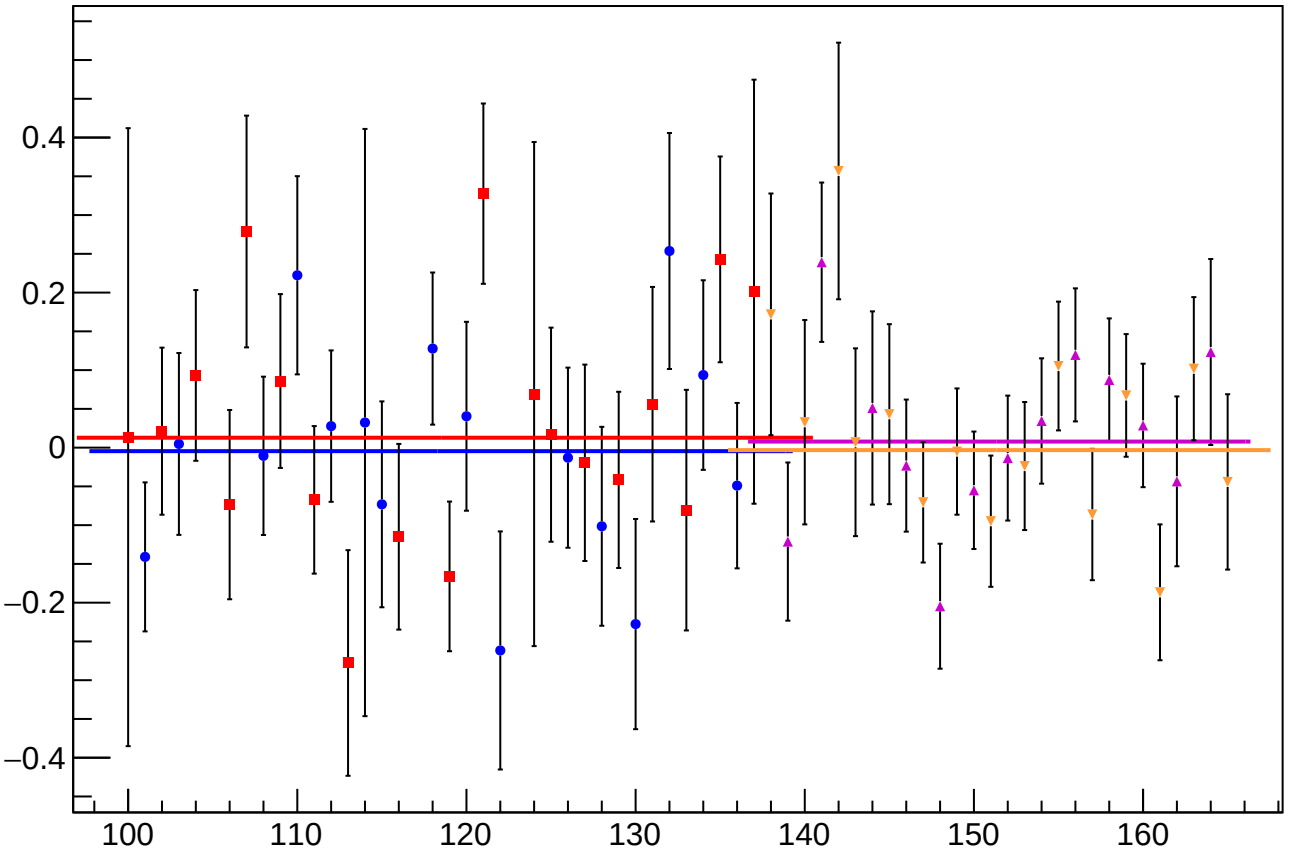
Left: 80.545+/-0.012 χ^2/NDF: 1094802.0/27

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.698+/-0.014 χ^2/NDF:804807.4/28

Out: 79.937+/-0.013 χ^2/NDF:1126049.9/33

All: 79.322+/-0.010 χ^2/NDF: 1935099.1/62



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

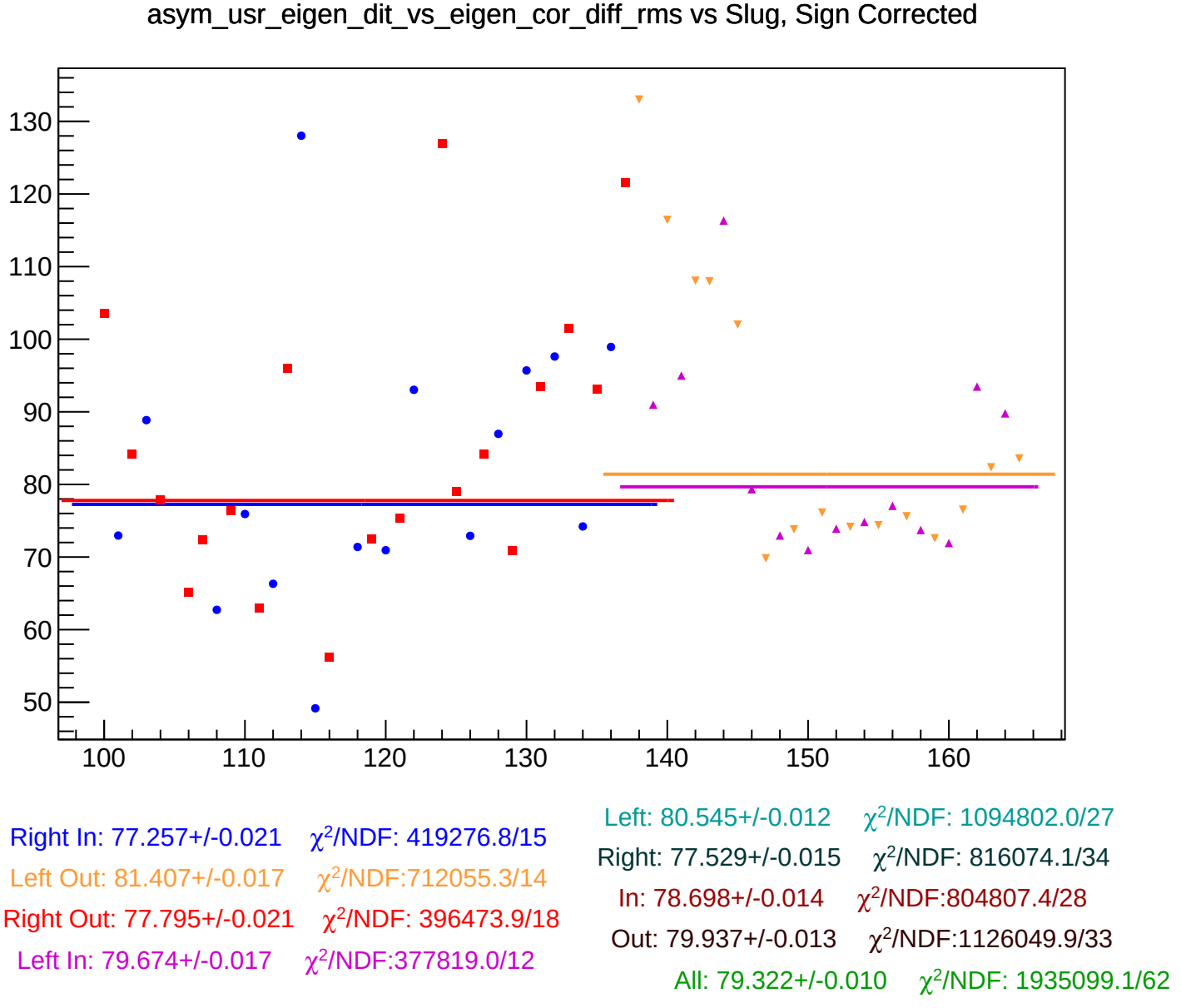
Left: 0.002+/-0.017 χ^2/NDF: 36.2/27

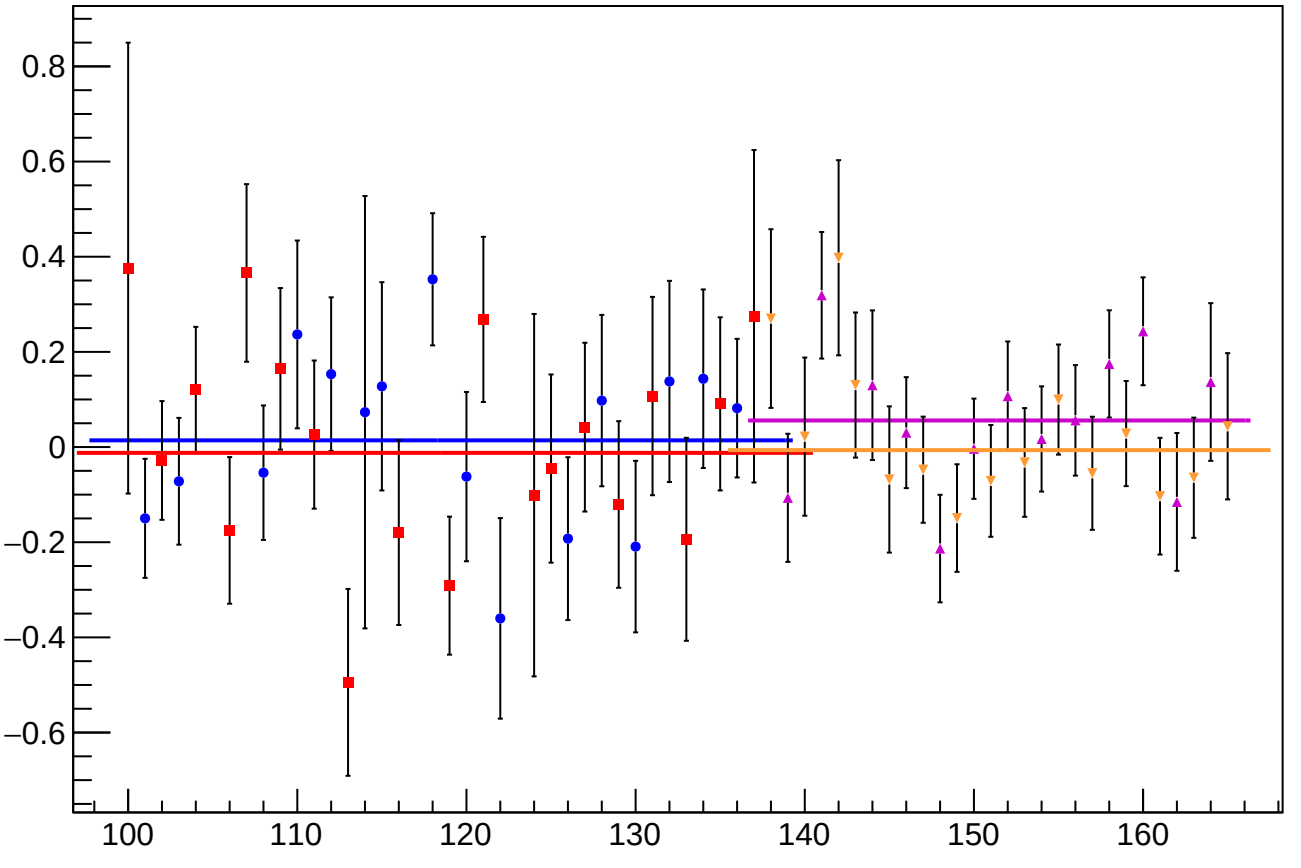
Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.003+/-0.019 χ^2/NDF:43.1/33

All: 0.003+/-0.013 χ^2/NDF: 79.2/62


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
160
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 81.407+/-0.017 χ²/NDF:712055.3/14
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 79.674+/-0.017 χ²/NDF:377819.0/12
Left: 80.545+/-0.012 χ²/NDF: 1094802.0/27
Right: 77.529+/-0.015 χ²/NDF: 816074.1/34
In: 78.698+/-0.014 χ²/NDF:804807.4/28
Out: 79.937+/-0.013 χ²/NDF:1126049.9/33
All: 79.322+/-0.010 χ²/NDF: 1935099.1/62



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.034 χ^2/NDF:11.2/14

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.056+/-0.034 χ^2/NDF:17.4/12

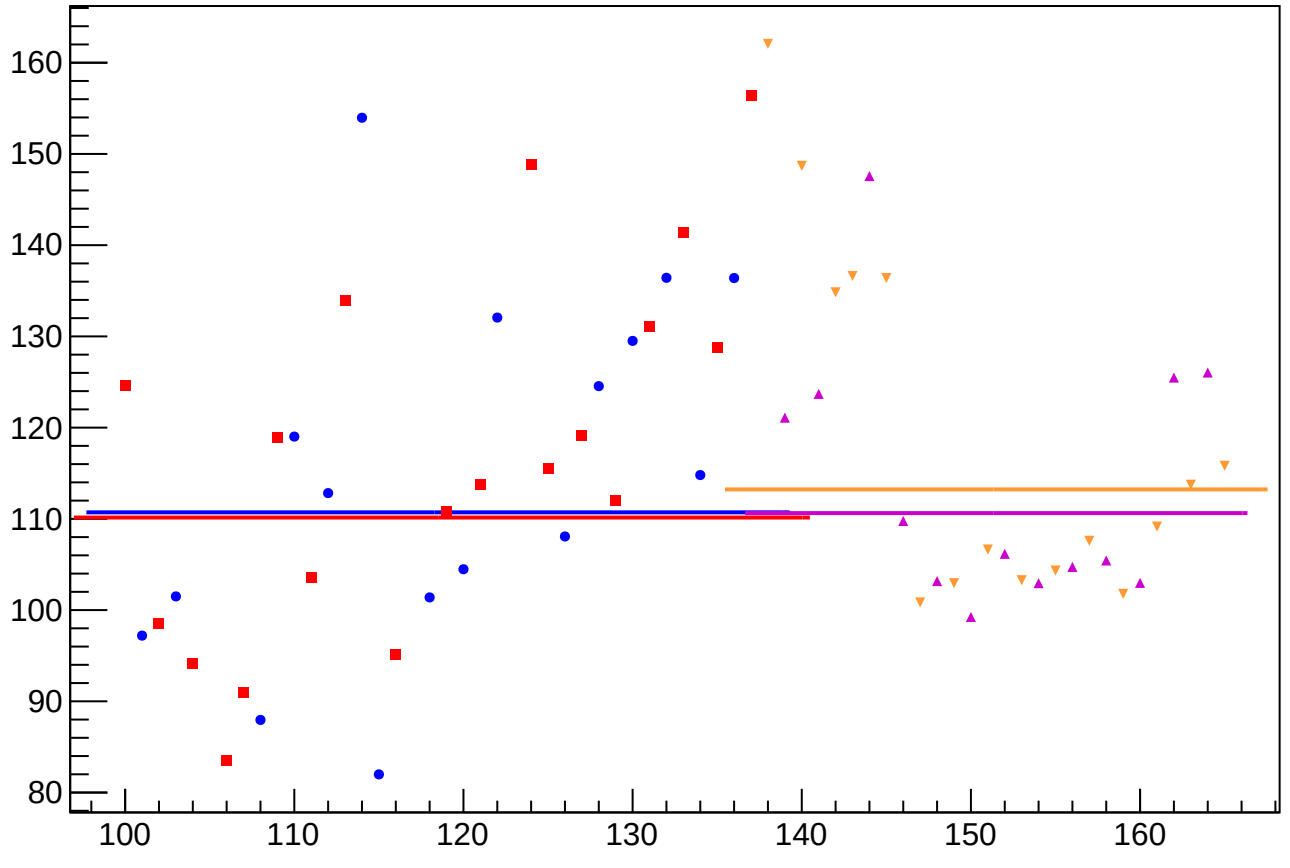
Left: 0.024+/-0.024 χ^2/NDF: 30.3/27

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.039+/-0.026 χ^2/NDF:36.2/28

Out: -0.009+/-0.026 χ^2/NDF:34.9/33

All: 0.015+/-0.019 χ^2/NDF: 72.8/62



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.228+/-0.024 χ^2/NDF:444461.2/14

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.630+/-0.024 χ^2/NDF:243505.4/12

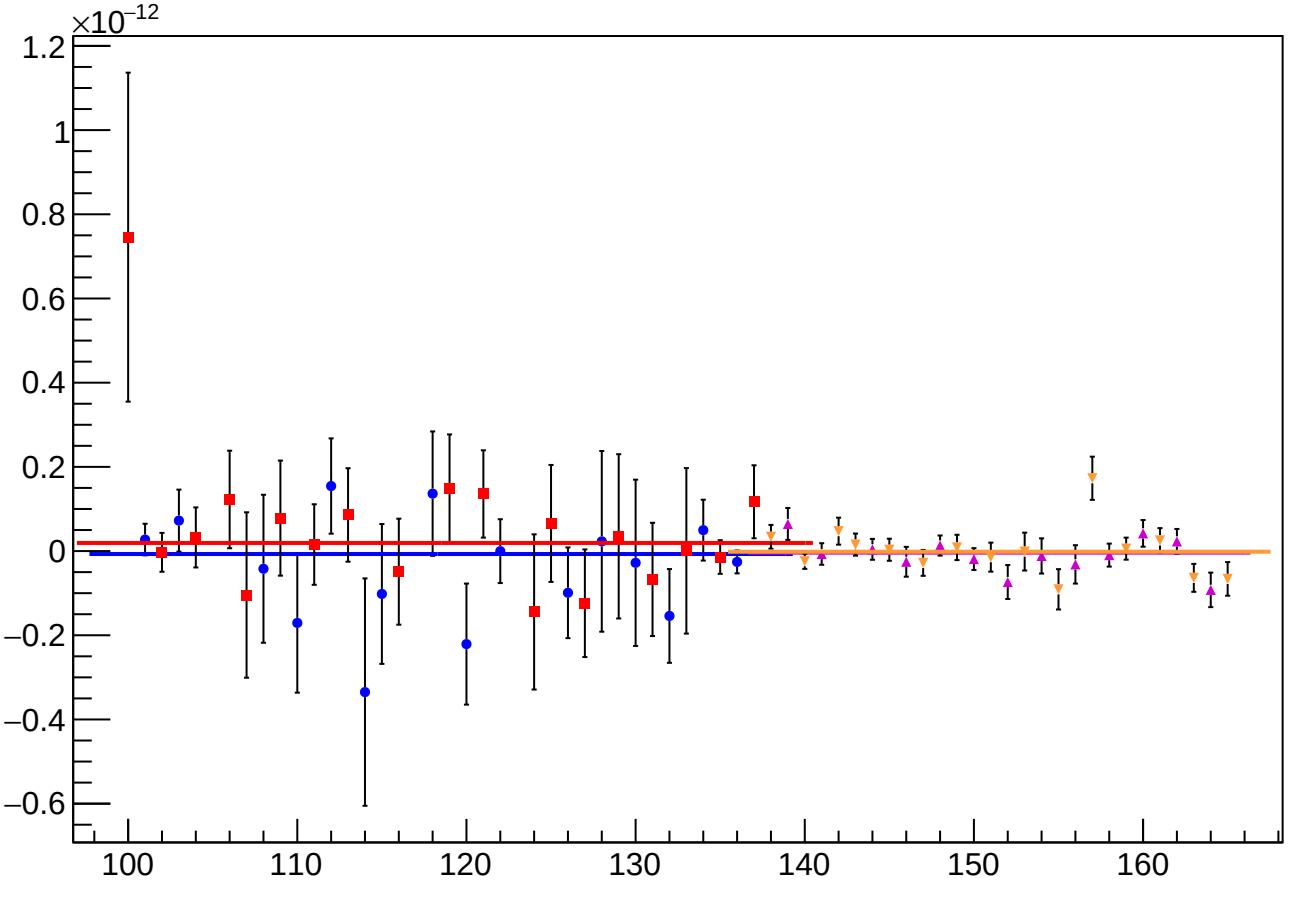
Left: 111.940+/-0.017 χ^2/NDF: 693861.0/27

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 110.663+/-0.019 χ^2/NDF:543458.3/28

Out: 111.996+/-0.018 χ^2/NDF:777851.0/33

All: 111.339+/-0.013 χ^2/NDF: 1323877.4/62



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

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

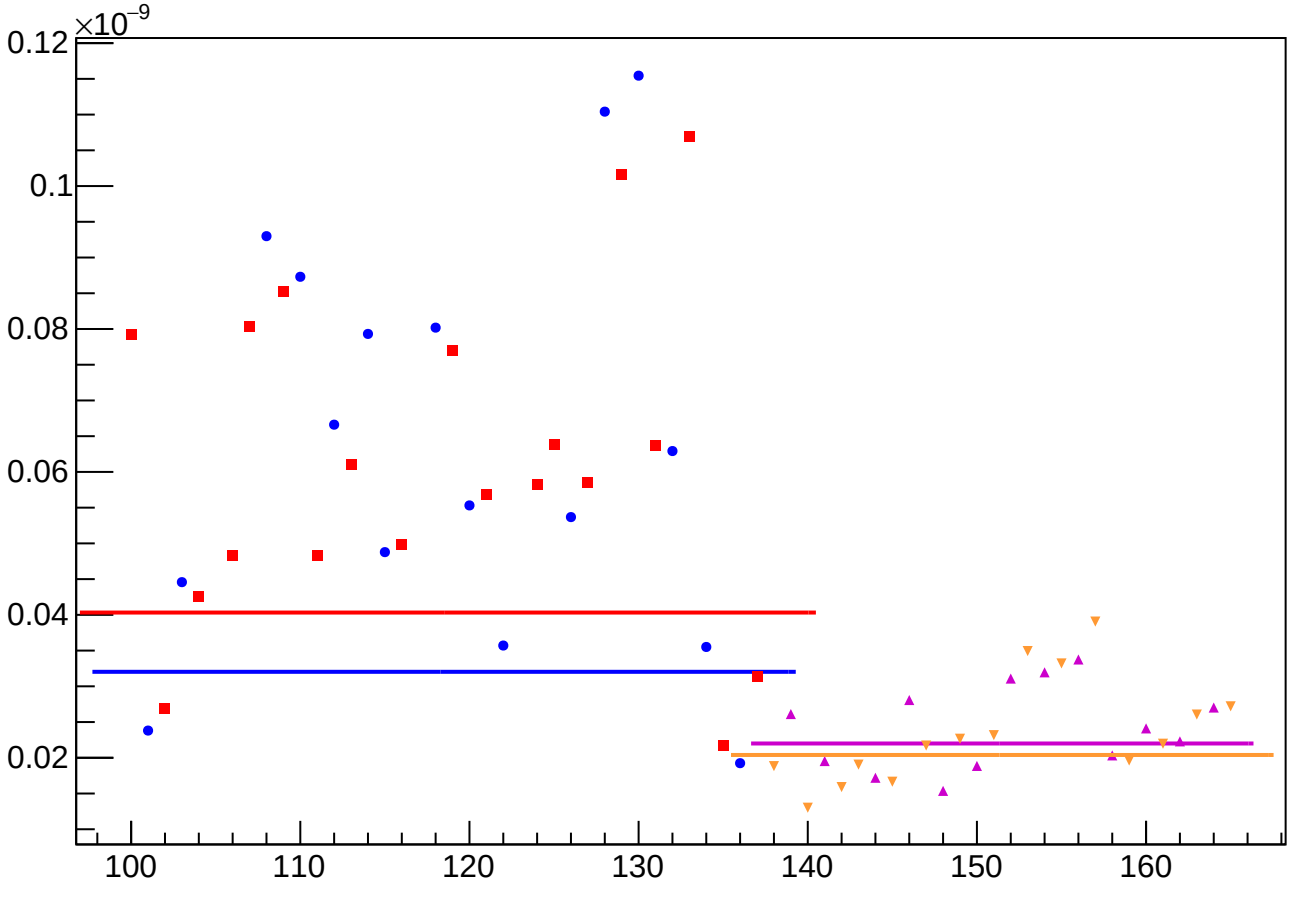
Left: -0.000+/-0.000 χ^2/NDF: 44.6/27

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:29.2/28

Out: 0.000+/-0.000 χ^2/NDF:42.4/33

All: -0.000+/-0.000 χ^2/NDF: 71.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1191047.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:754160.7/12

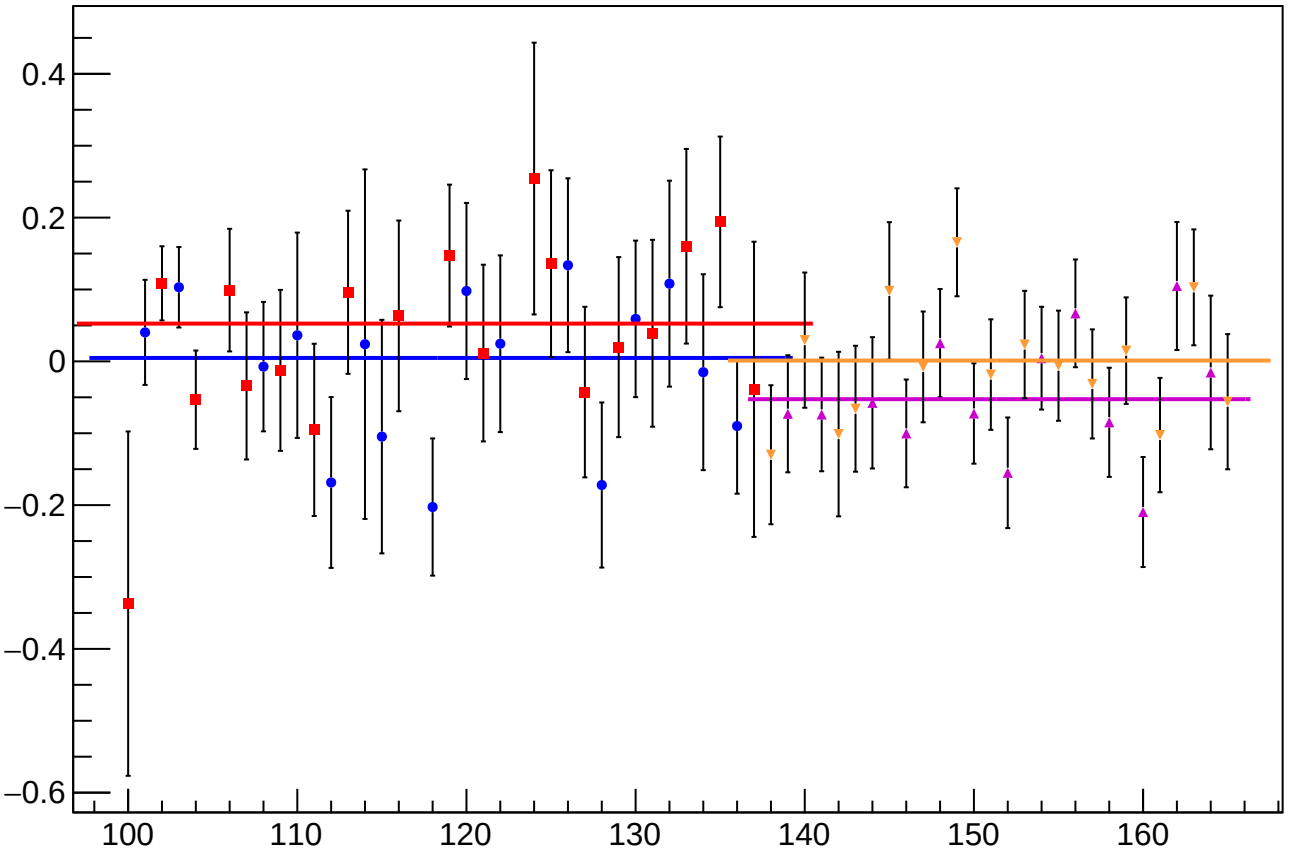
Left: 0.000+/-0.000 χ^2/NDF: 1983892.2/27

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3723595.7/28

Out: 0.000+/-0.000 χ^2/NDF:4626881.6/33

All: 0.000+/-0.000 χ^2/NDF: 8372267.5/62



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.021 χ^2/NDF:13.2/14

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.022 χ^2/NDF:14.3/12

Left: -0.025+/-0.015 χ^2/NDF: 30.6/27

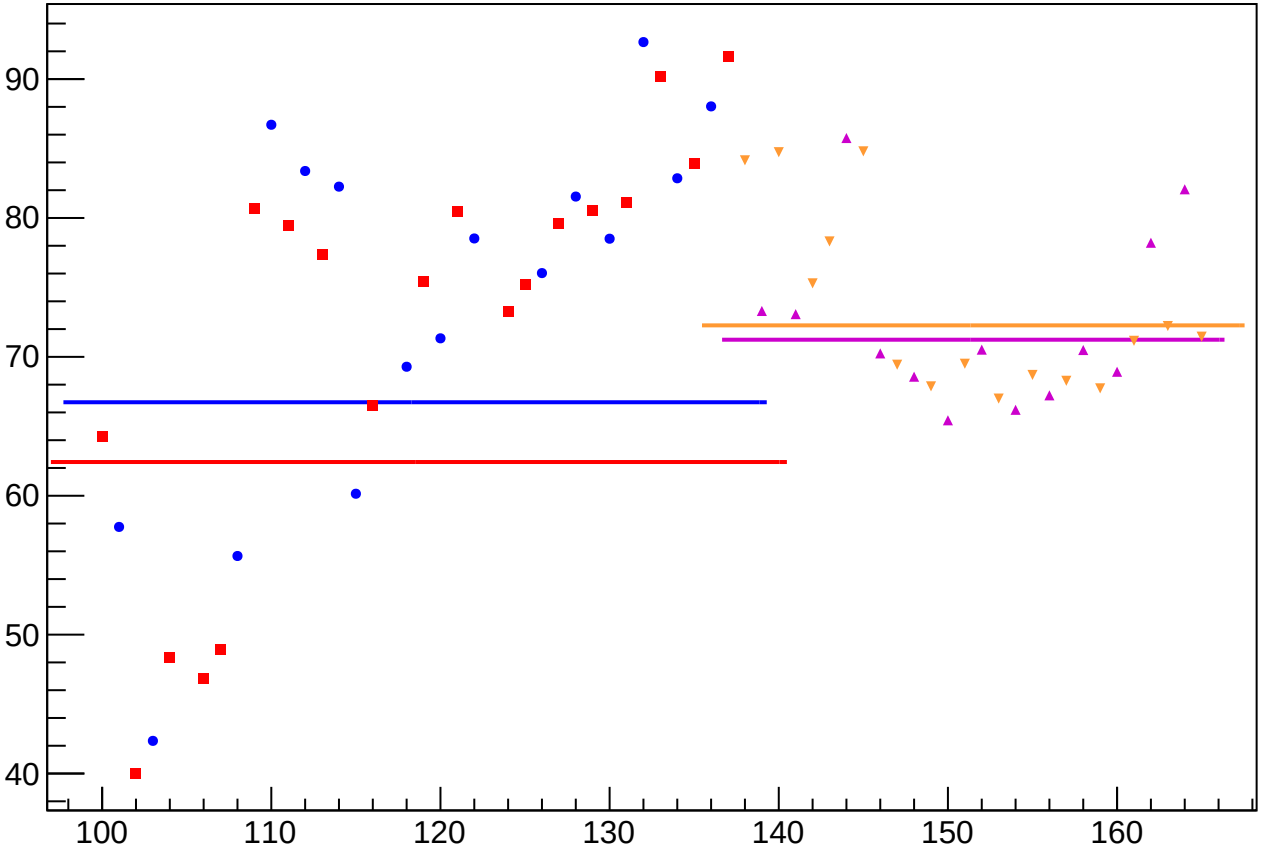
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.017 χ^2/NDF:33.8/28

Out: 0.024+/-0.016 χ^2/NDF:30.6/33

All: -0.001+/-0.012 χ^2/NDF: 69.5/62

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.268+/-0.015 χ^2/NDF:150654.7/14

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.235+/-0.015 χ^2/NDF:120294.5/12

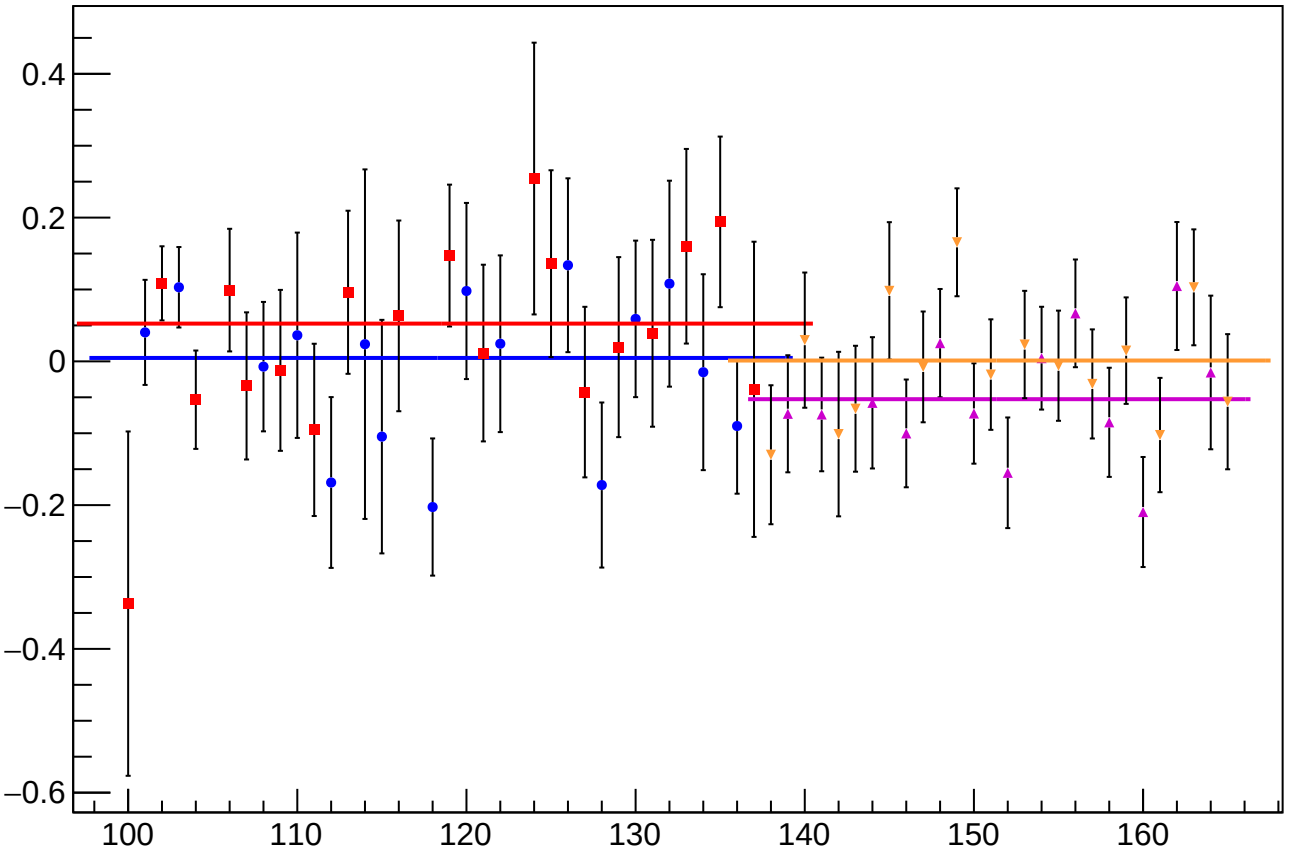
Left: 71.763+/-0.011 χ^2/NDF: 273226.3/27

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.361+/-0.012 χ^2/NDF:972336.8/28

Out: 67.926+/-0.011 χ^2/NDF:1451146.4/33

All: 68.612+/-0.008 χ^2/NDF: 2431175.1/62



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.021 χ^2/NDF:13.2/14

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.022 χ^2/NDF:14.3/12

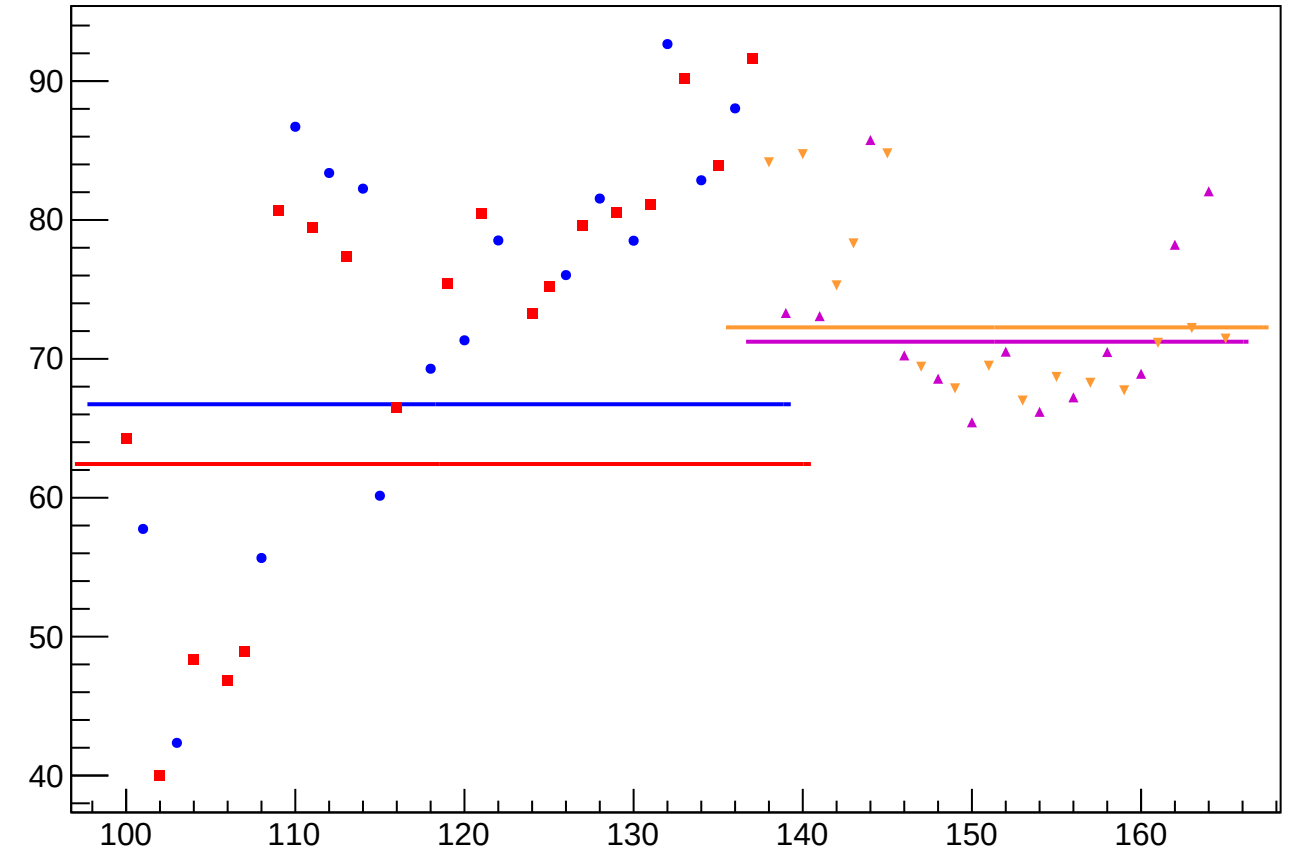
Left: -0.025+/-0.015 χ^2/NDF: 30.6/27

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.017 χ^2/NDF:33.8/28

Out: 0.024+/-0.016 χ^2/NDF:30.6/33

All: -0.001+/-0.012 χ^2/NDF: 69.5/62



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.268+/-0.015 χ^2/NDF:150654.7/14

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.235+/-0.015 χ^2/NDF:120294.5/12

Left: 71.763+/-0.011 χ^2/NDF: 273226.3/27

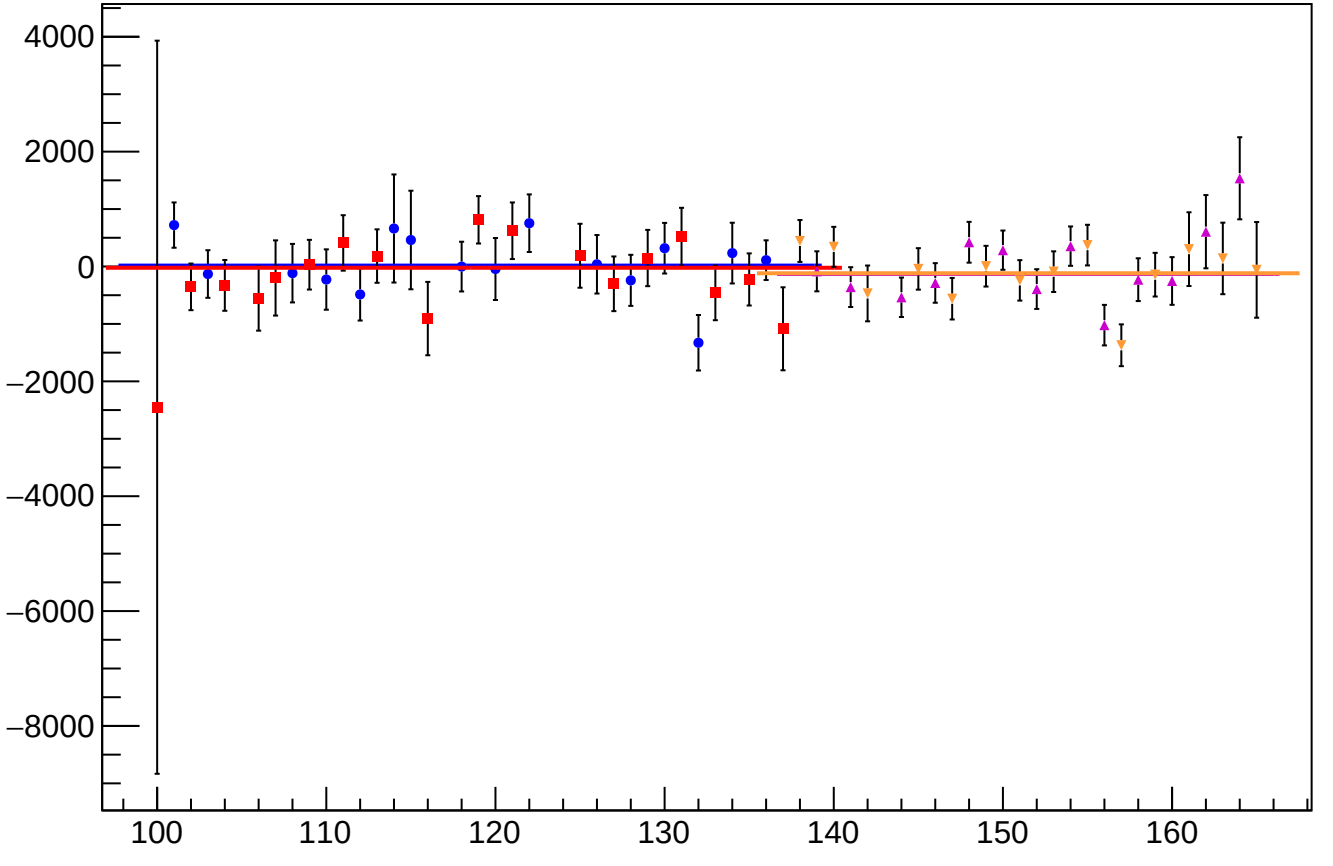
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.361+/-0.012 χ^2/NDF:972336.8/28

Out: 67.926+/-0.011 χ^2/NDF:1451146.4/33

All: 68.612+/-0.008 χ^2/NDF: 2431175.1/62

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -118.053+/-106.479 χ^2/NDF:20.8/13

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -129.396+/-104.107 χ^2/NDF:21.8/12

Left: -123.852+/-74.439 χ^2/NDF: 42.7/26

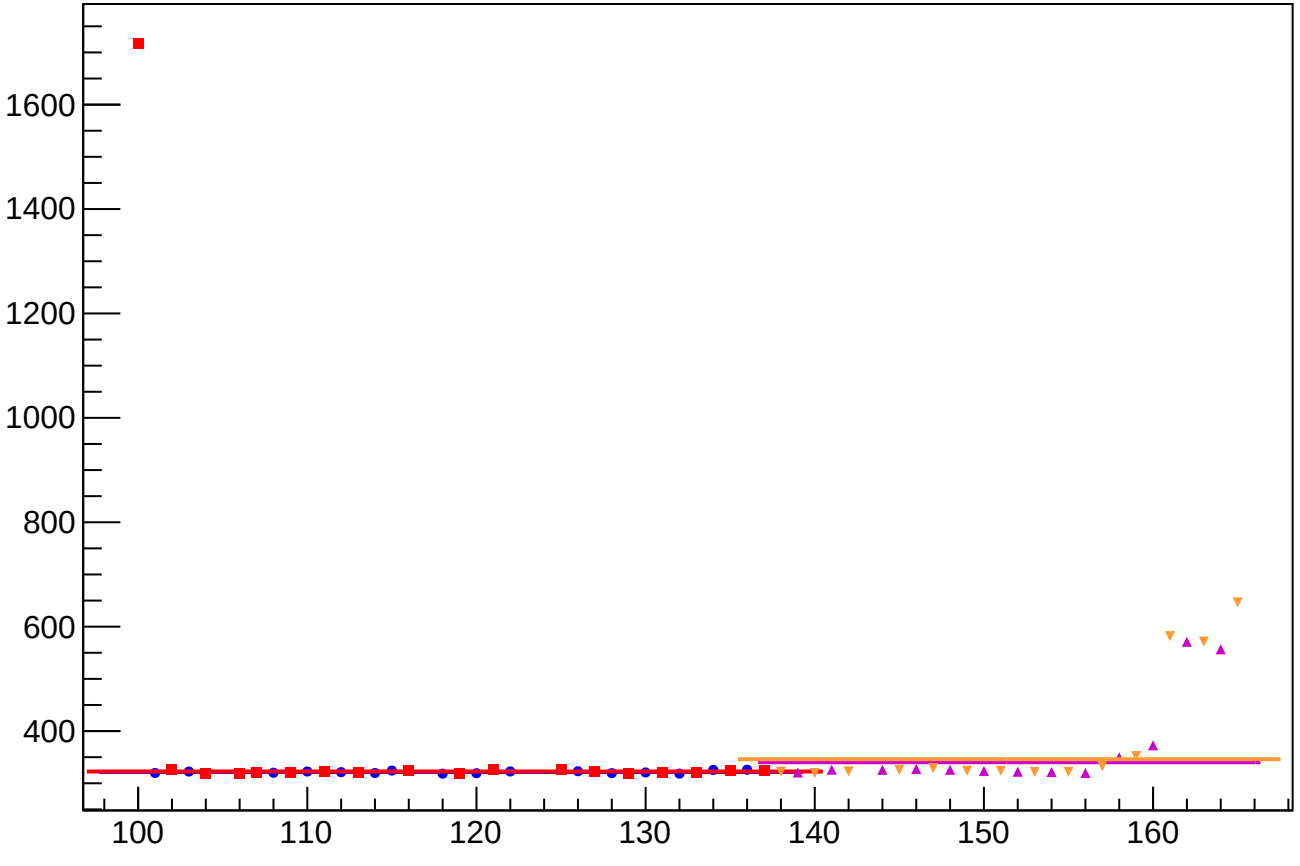
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -66.827+/-78.477 χ^2/NDF:39.2/28

Out: -75.493+/-79.413 χ^2/NDF:37.2/31

All: -71.109+/-55.820 χ^2/NDF: 76.4/60

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 346.112+/-0.075 χ^2/NDF:864254.7/13

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 340.383+/-0.074 χ^2/NDF:501166.5/12

Left: 343.183+/-0.053 χ^2/NDF: 1368382.0/26

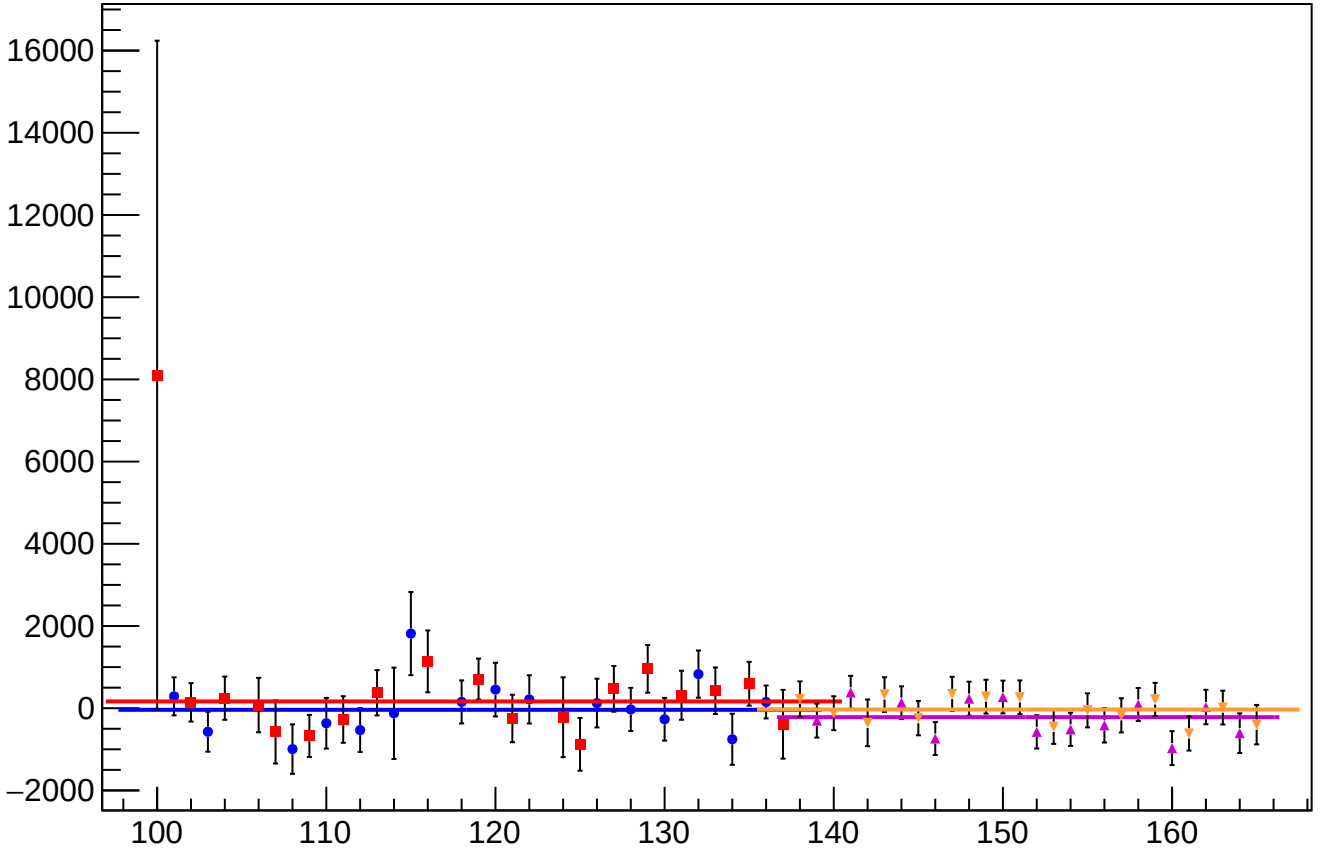
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 332.275+/-0.055 χ^2/NDF:530085.9/28

Out: 335.657+/-0.056 χ^2/NDF:1004596.4/31

All: 333.946+/-0.039 χ^2/NDF: 1536518.3/60

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -32.278+/-109.804 χ^2/NDF:7.7/14

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -217.520+/-114.143 χ^2/NDF:13.9/12

Left: -121.311+/-79.133 χ^2/NDF: 23.0/27

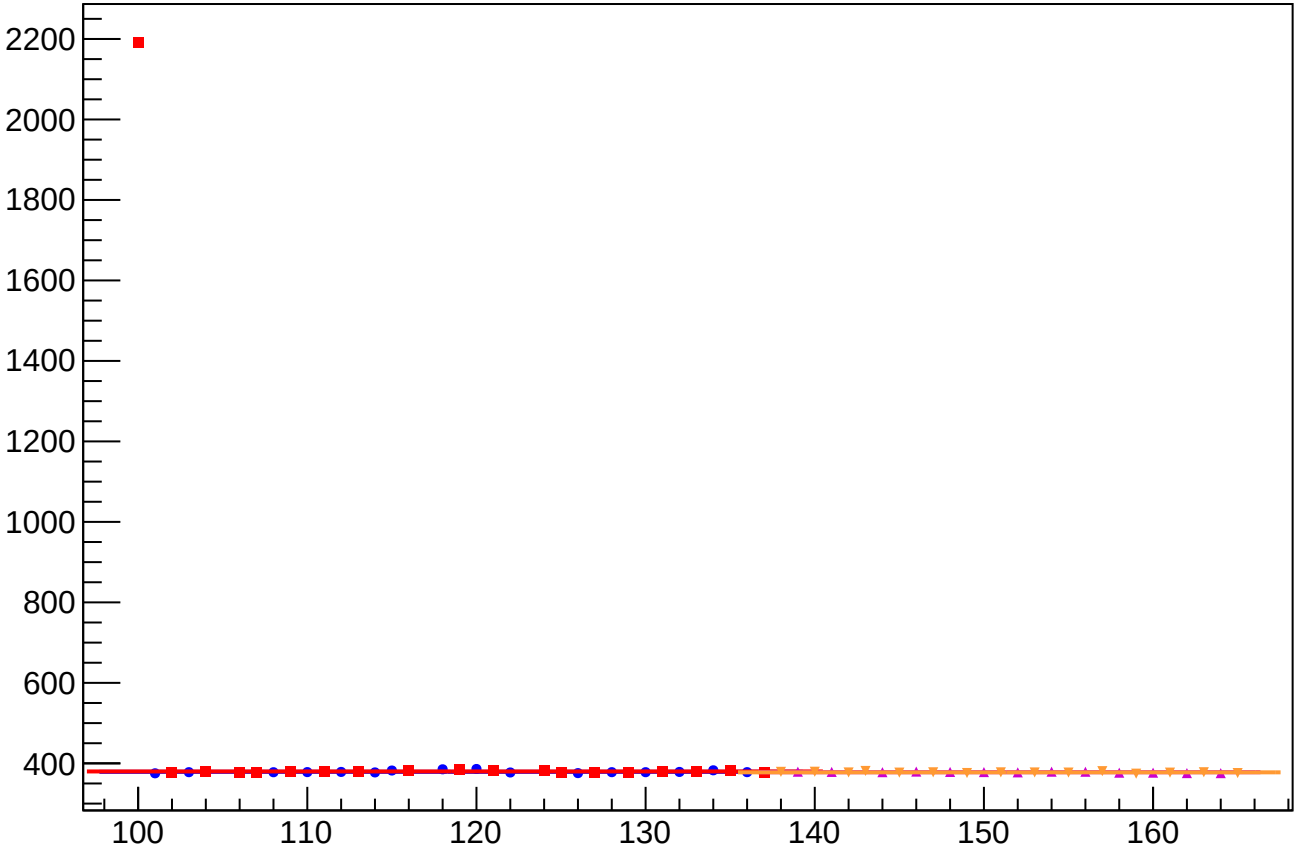
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -146.641+/-88.647 χ^2/NDF:28.6/28

Out: 43.413+/-86.154 χ^2/NDF:24.1/33

All: -48.904+/-61.783 χ^2/NDF: 55.1/62

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.645+/-0.078 χ^2/NDF:484.7/14

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.056+/-0.081 χ^2/NDF:234.8/12

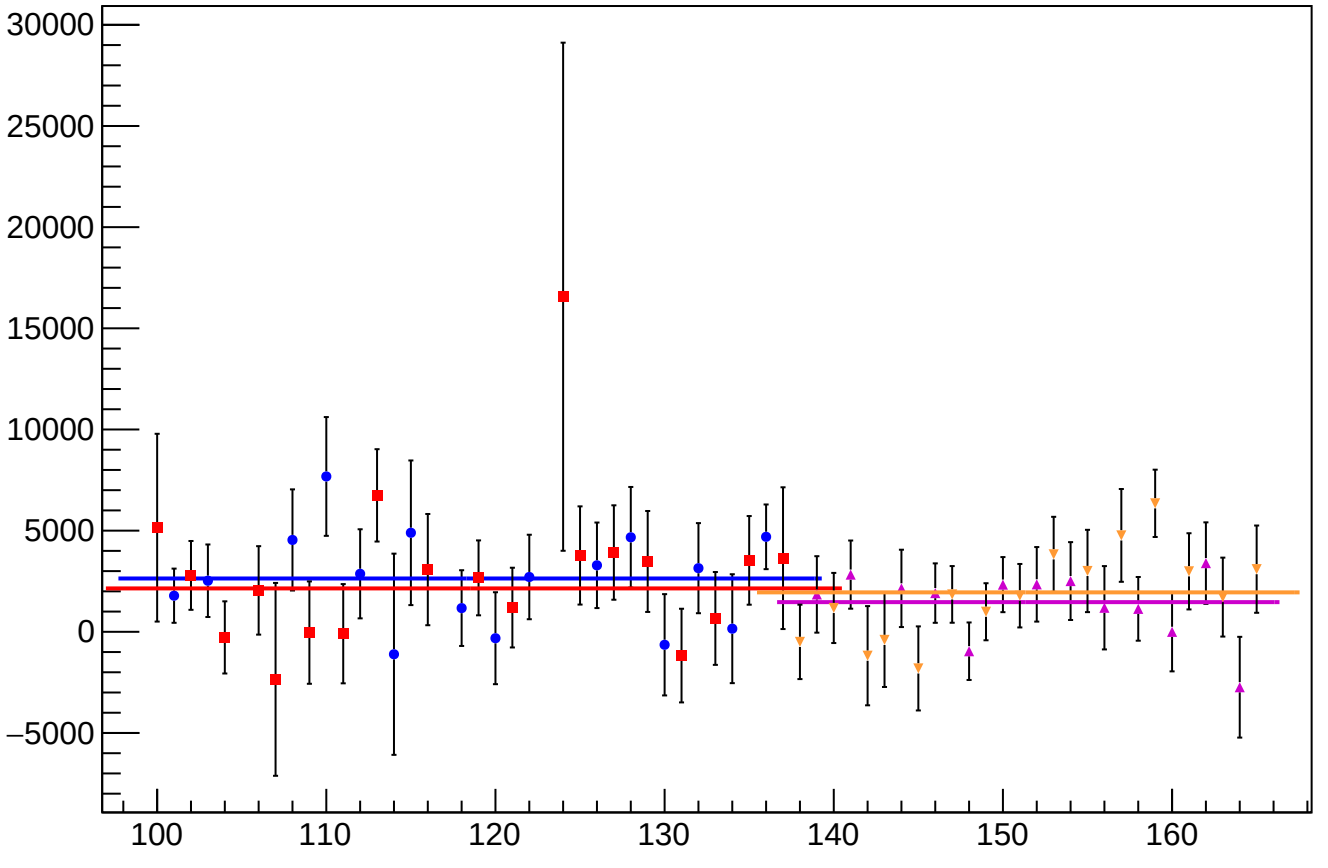
Left: 377.842+/-0.056 χ^2/NDF: 733.0/27

Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.395+/-0.063 χ^2/NDF:1130.5/28

Out: 378.503+/-0.061 χ^2/NDF:100424.2/33

All: 378.450+/-0.044 χ^2/NDF: 101556.1/62



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

Left Out: 1949.195+/-472.755 χ^2/NDF:18.8/14

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1466.491+/-483.488 χ^2/NDF:9.1/12

Left: 1713.260+/-338.019 χ^2/NDF: 28.4/27

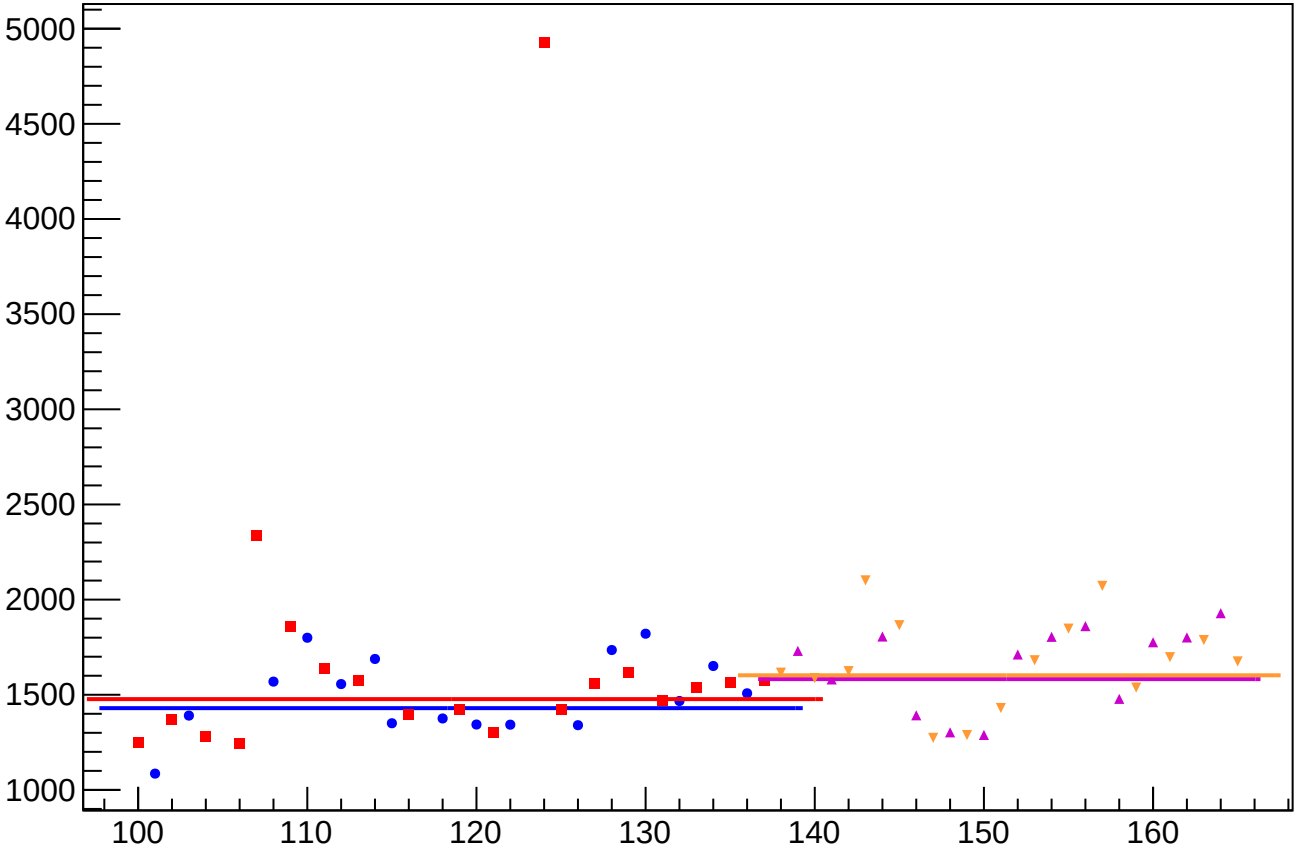
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1988.705+/-359.620 χ^2/NDF:24.0/28

Out: 2032.739+/-357.670 χ^2/NDF:33.9/33

All: 2010.842+/-253.598 χ^2/NDF: 57.9/62

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1602.310+/-0.334 χ^2/NDF:502933.0/14

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

Left: 1592.486+/-0.239 χ^2/NDF: 912000.3/27

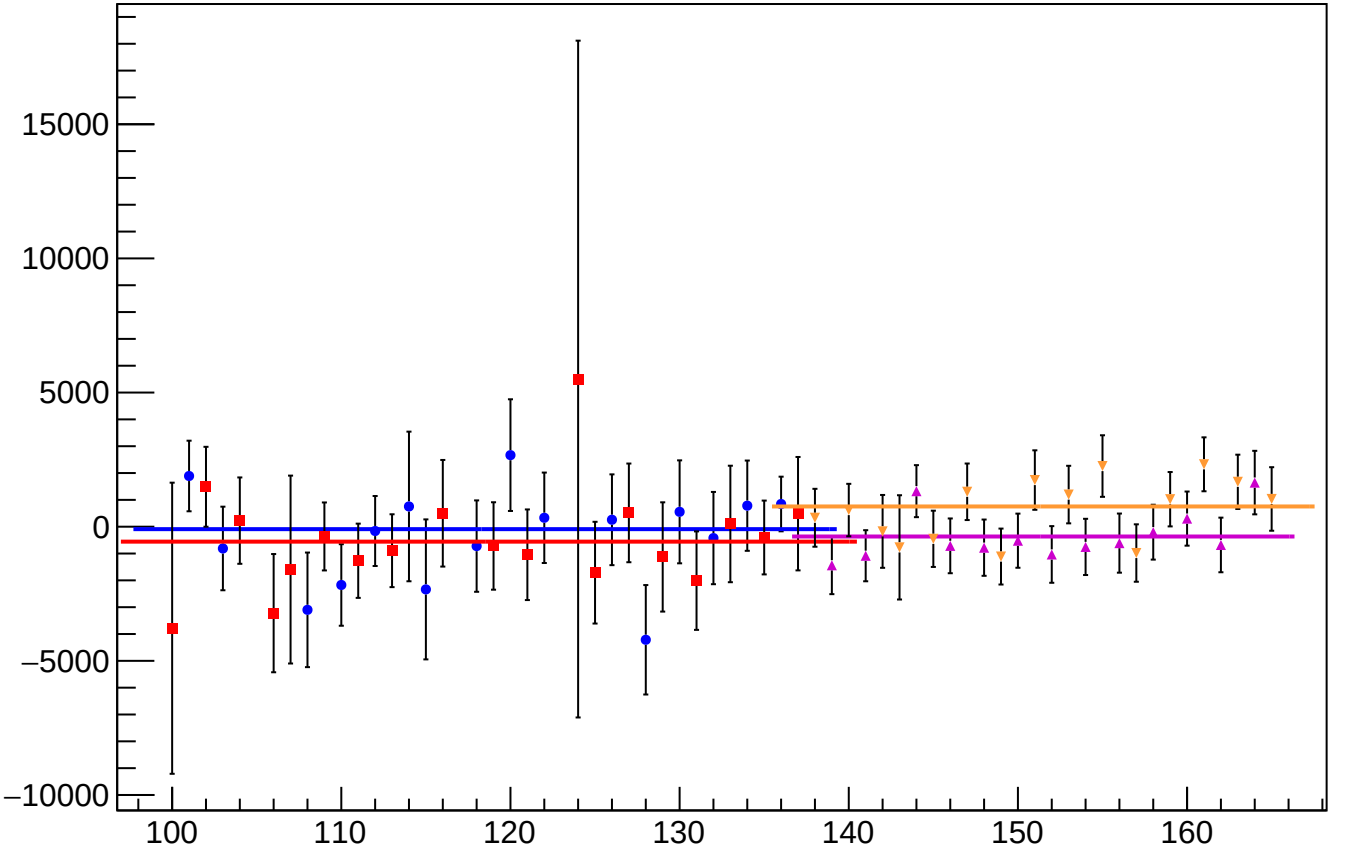
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1514.055+/-0.254 χ^2/NDF:789648.3/28

Out: 1548.780+/-0.253 χ^2/NDF:932330.0/33

All: 1531.512+/-0.179 χ^2/NDF: 1731352.8/62

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 754.100+/-283.814 χ^2/NDF:14.8/14

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -365.405+/-287.103 χ^2/NDF:8.9/12

Left: 200.797+/-201.839 χ^2/NDF: 31.4/27

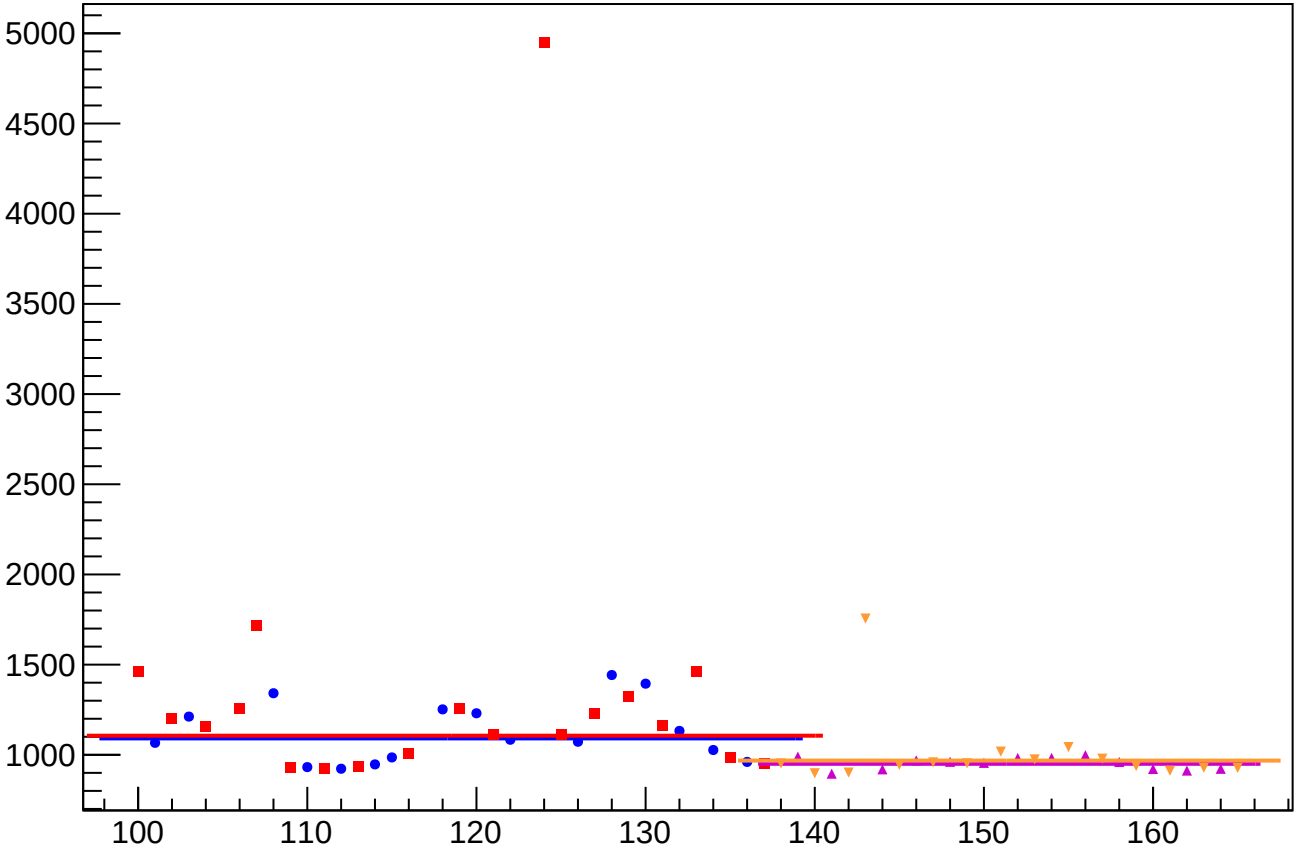
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -275.208+/-235.168 χ^2/NDF:23.8/28

Out: 331.300+/-233.605 χ^2/NDF:28.4/33

All: 30.068+/-165.734 χ^2/NDF: 55.5/62

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 968.095+/-0.201 χ^2/NDF:371933.9/14

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

Left: 959.246+/-0.143 χ^2/NDF: 401499.5/27

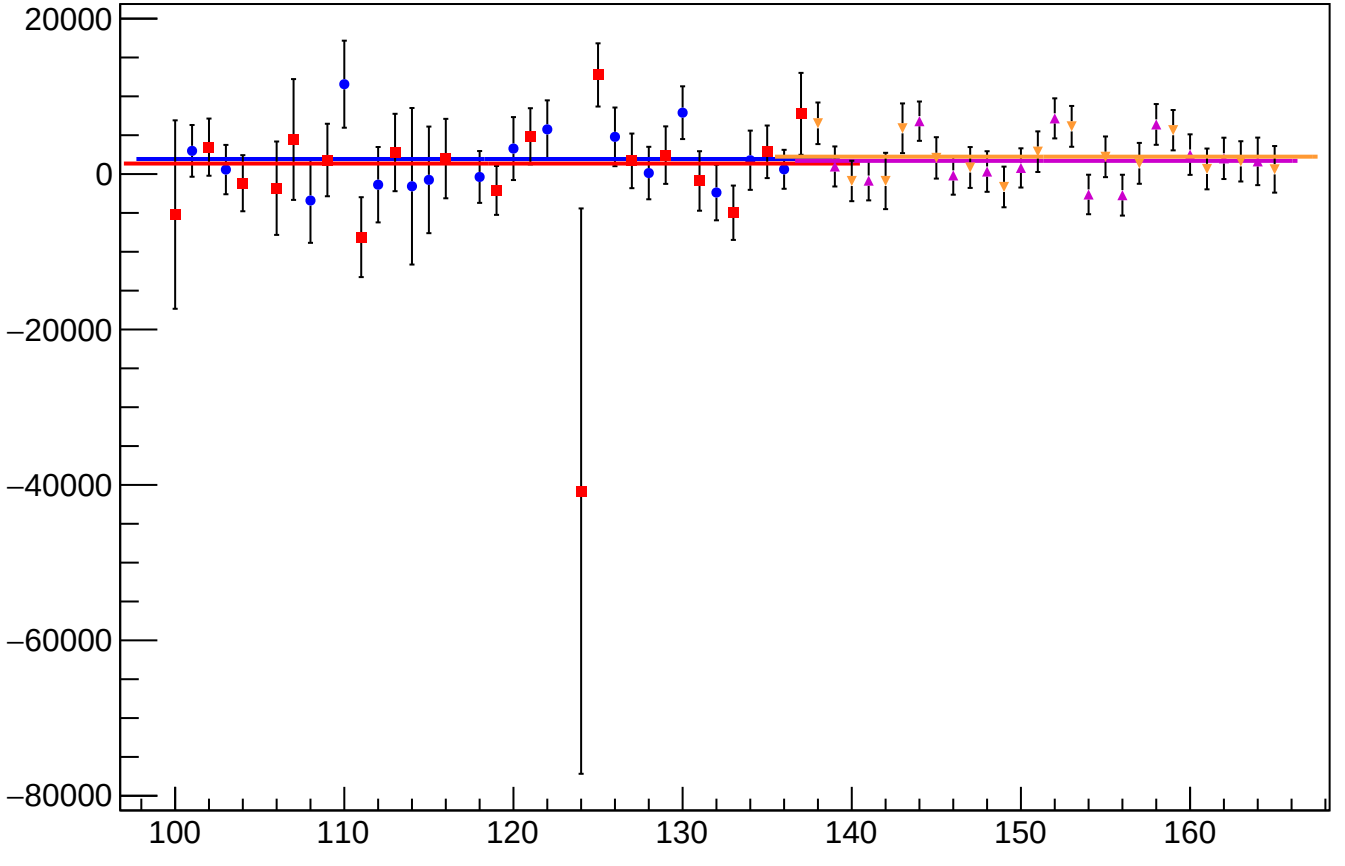
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 996.539+/-0.166 χ^2/NDF:461336.3/28

Out: 1012.586+/-0.165 χ^2/NDF:1038425.1/33

All: 1004.616+/-0.117 χ^2/NDF: 1504448.9/62

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.538+/-702.033 χ^2/NDF:13.4/14

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1698.684+/-722.032 χ^2/NDF:19.6/12

Left: 1976.191+/-503.334 χ^2/NDF: 33.3/27

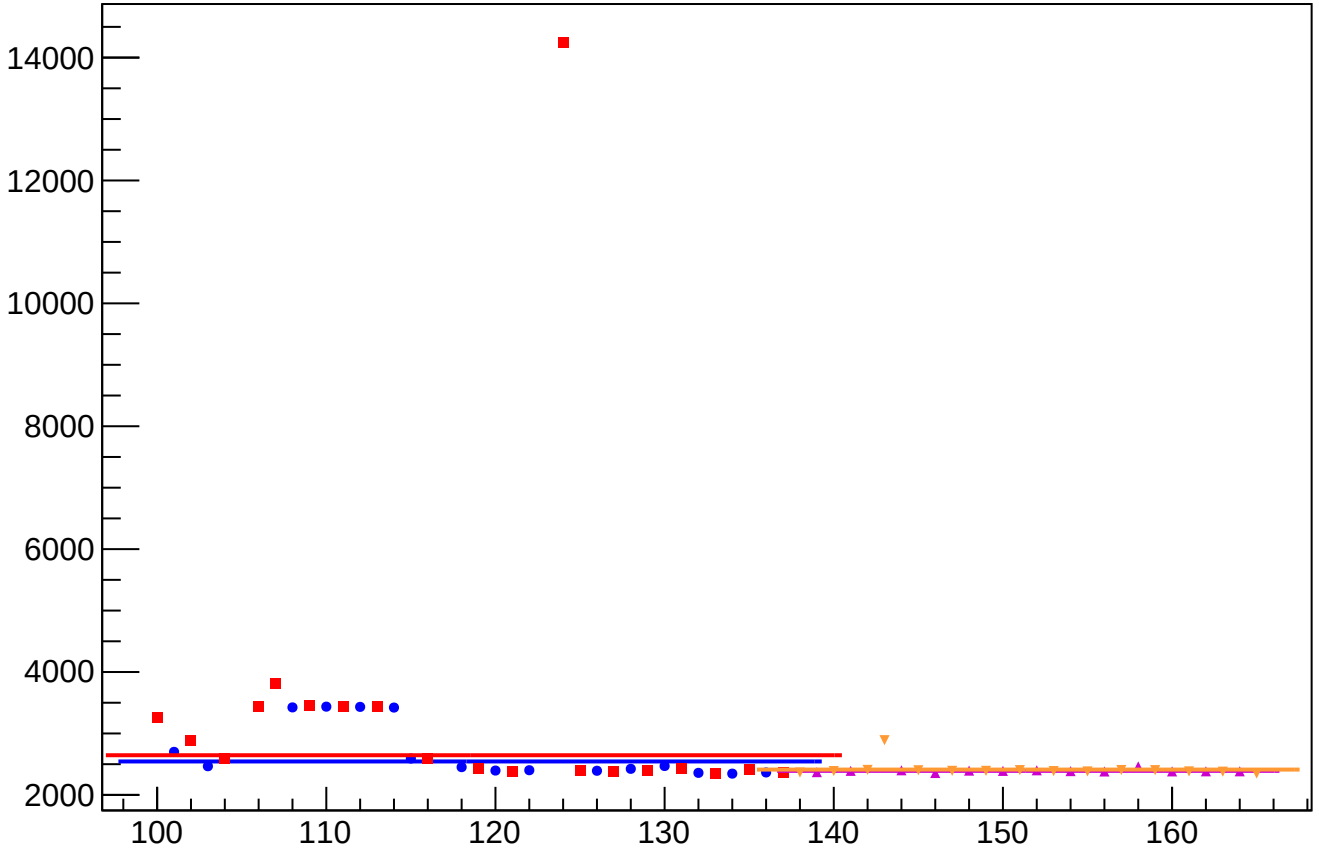
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1786.617+/-575.406 χ^2/NDF:31.9/28

Out: 1940.428+/-571.713 χ^2/NDF:35.7/33

All: 1864.018+/-405.562 χ^2/NDF: 67.7/62

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

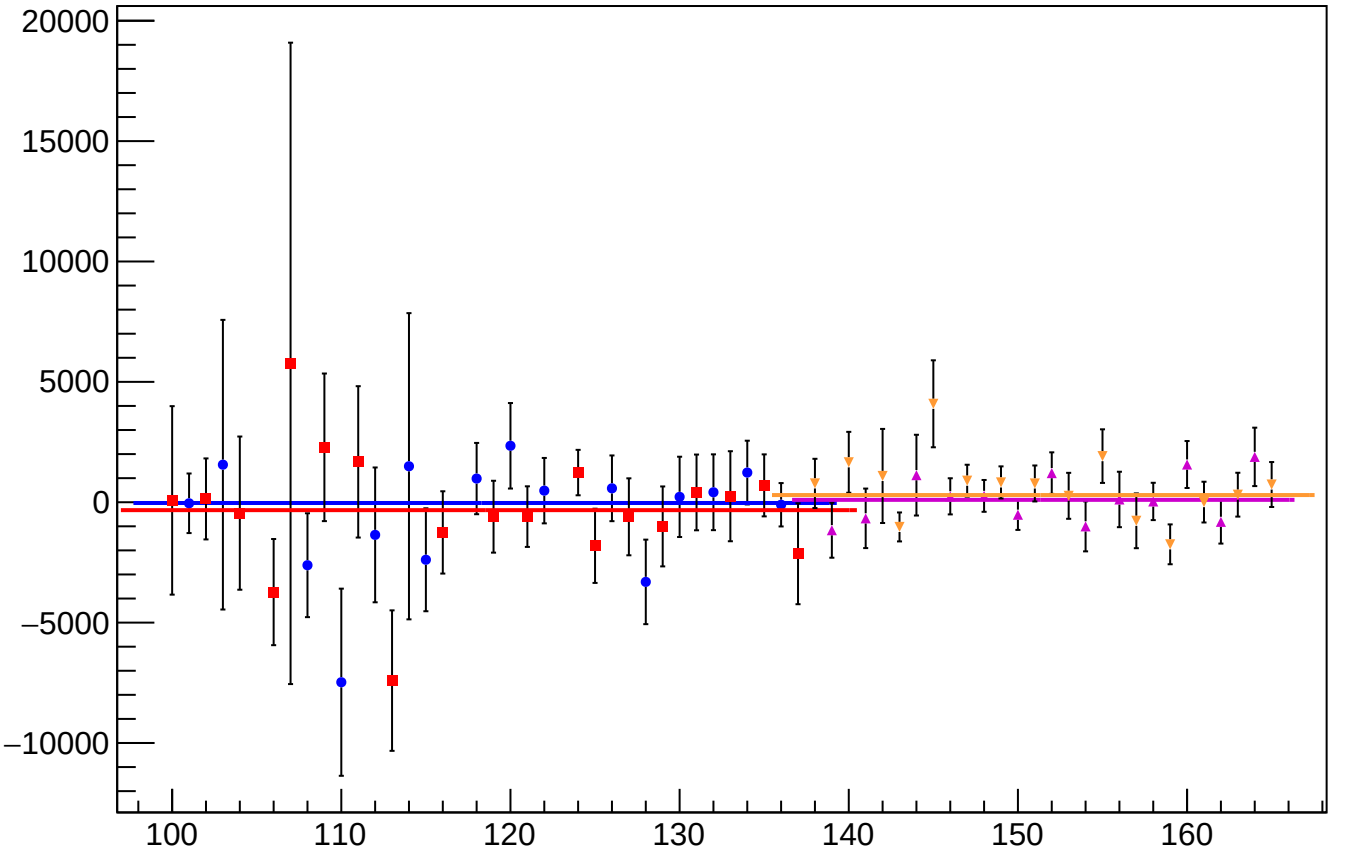
Left: 2402.076+/-0.356 χ^2/NDF: 50887.6/27

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2447.284+/-0.407 χ^2/NDF:260560.8/28

Out: 2490.758+/-0.404 χ^2/NDF:659363.0/33

All: 2469.161+/-0.287 χ^2/NDF: 925668.8/62



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 298.372+/-228.645 χ^2/NDF:22.1/14

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 98.880+/-250.067 χ^2/NDF:11.3/12

Left: 207.535+/-168.743 χ^2/NDF: 33.7/27

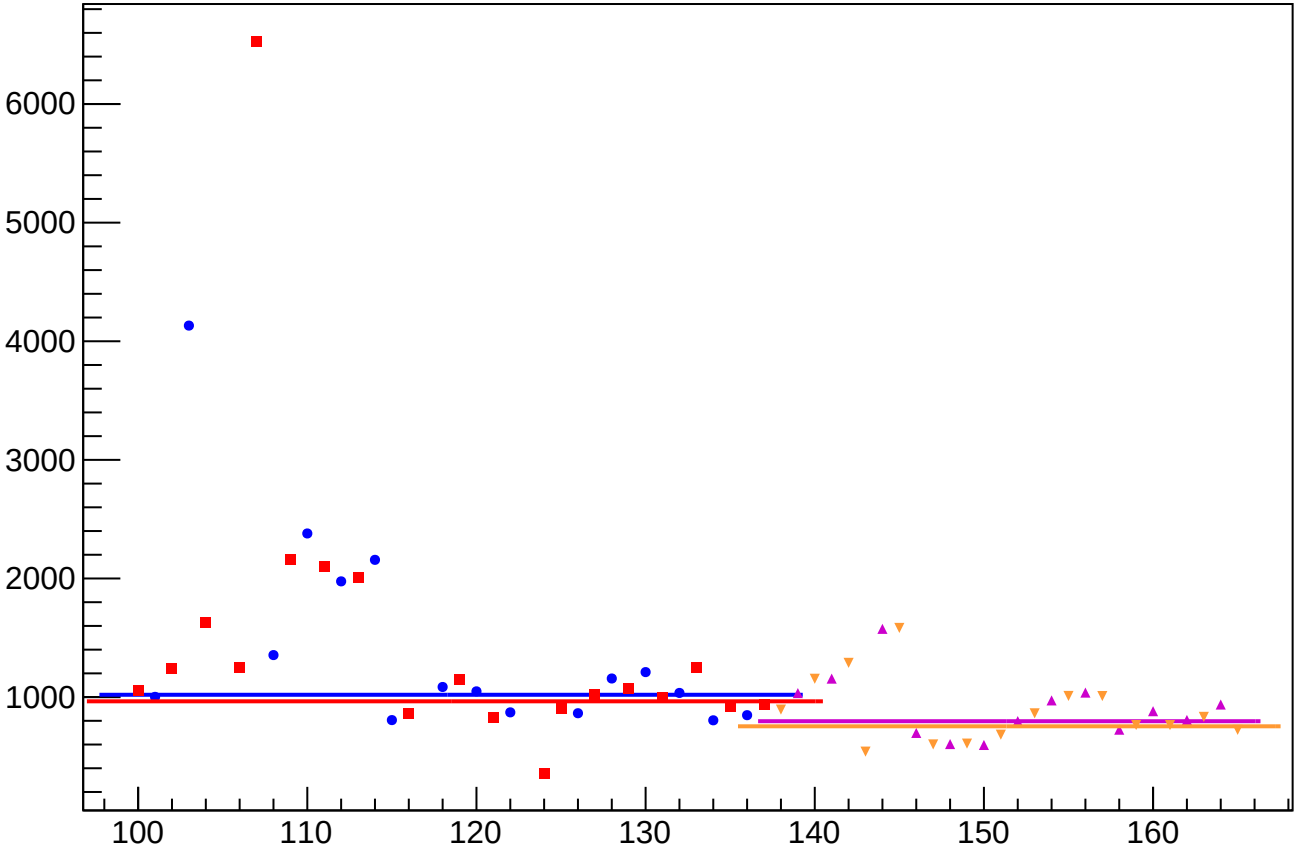
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 63.071+/-212.880 χ^2/NDF:25.1/28

Out: 143.160+/-198.328 χ^2/NDF:39.6/33

All: 105.946+/-145.111 χ^2/NDF: 64.8/62

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 753.730+/-0.162 χ^2/NDF:1533262.4/14

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 796.670+/-0.177 χ^2/NDF:1295363.6/12

Left: 773.282+/-0.119 χ^2/NDF: 2860745.7/27

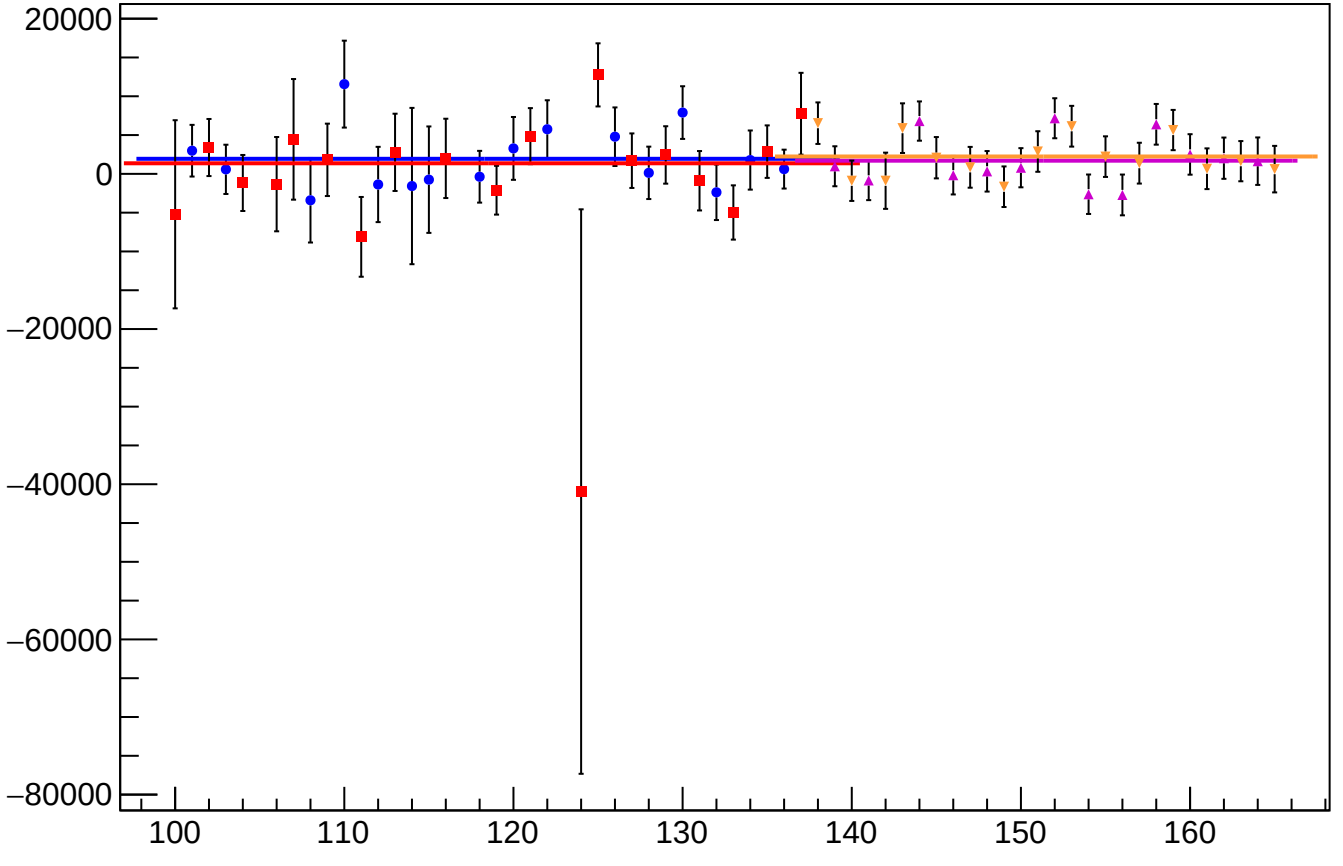
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 858.021+/-0.151 χ^2/NDF:3097388.7/28

Out: 805.888+/-0.140 χ^2/NDF:4262950.2/33

All: 830.112+/-0.103 χ^2/NDF: 7424550.9/62

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.462+/-702.033 χ^2/NDF:13.4/14

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1698.810+/-722.032 χ^2/NDF:19.6/12

Left: 1976.213+/-503.334 χ^2/NDF: 33.3/27

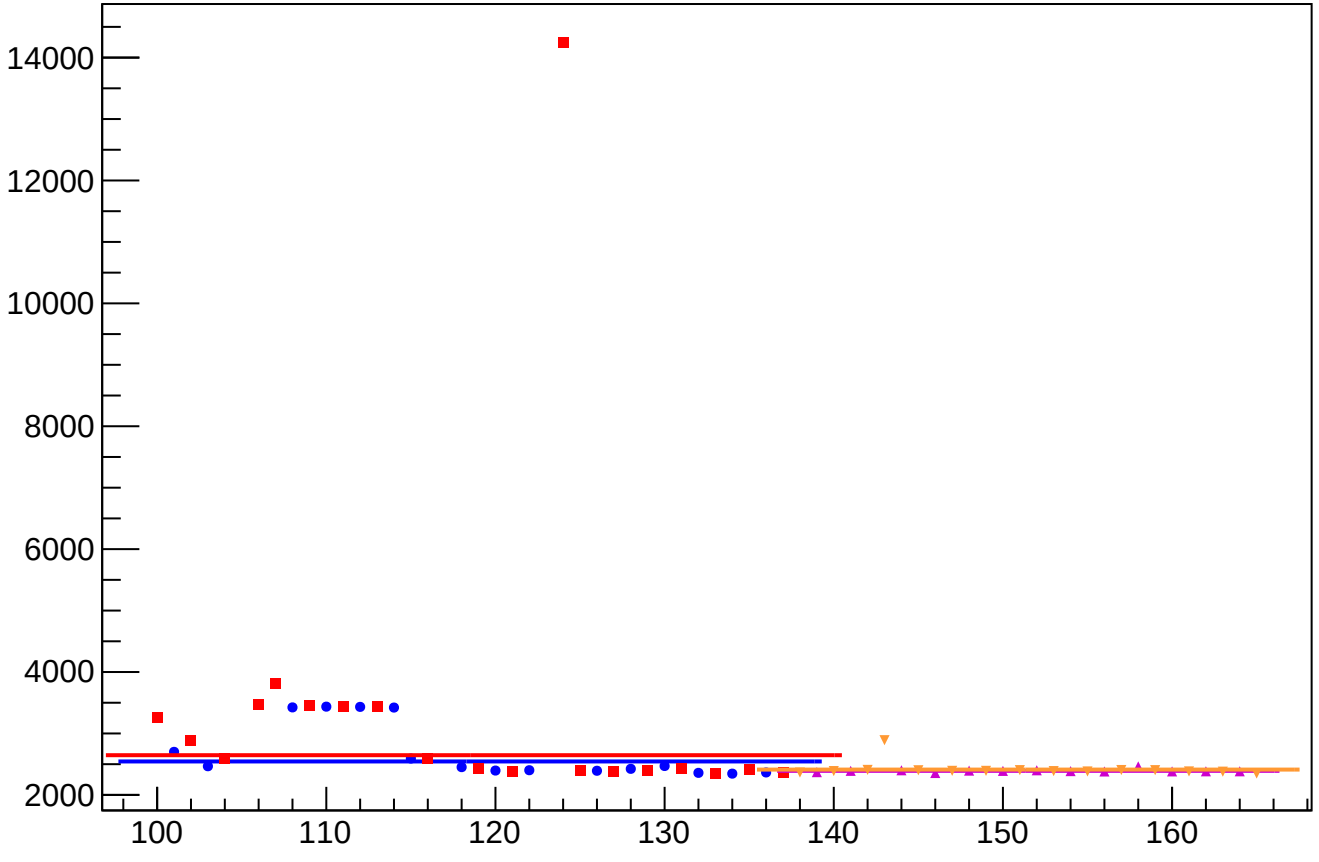
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1786.824+/-575.406 χ^2/NDF:31.9/28

Out: 1943.751+/-571.772 χ^2/NDF:35.6/33

All: 1865.785+/-405.583 χ^2/NDF: 67.6/62

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

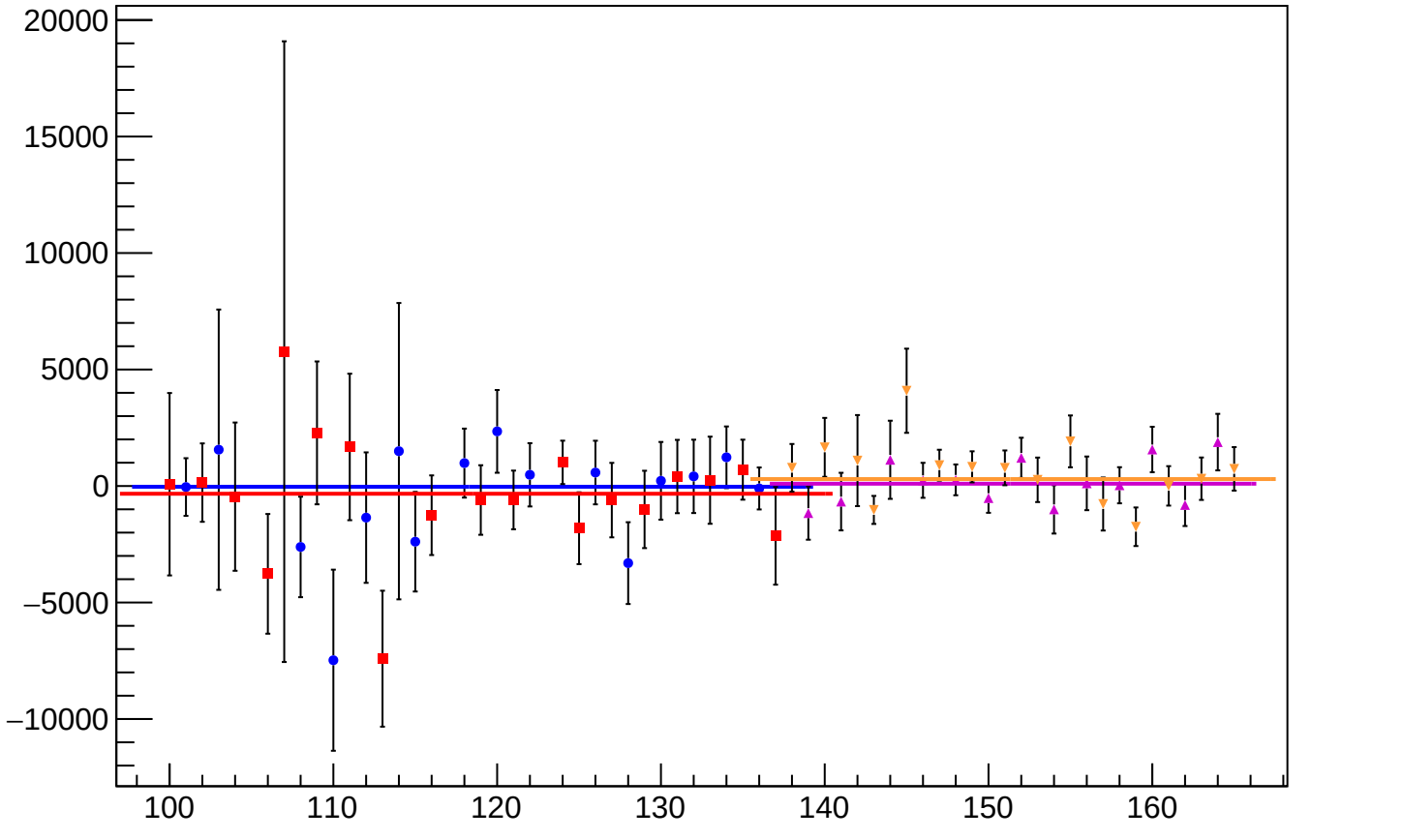
Left: 2402.076+/-0.356 χ^2/NDF: 50887.6/27

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2447.285+/-0.407 χ^2/NDF:260560.8/28

Out: 2490.914+/-0.404 χ^2/NDF:662269.8/33

All: 2469.237+/-0.287 χ^2/NDF: 928616.2/62



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 298.307+/-228.648 χ^2/NDF:22.1/14

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 98.984+/-250.067 χ^2/NDF:11.3/12

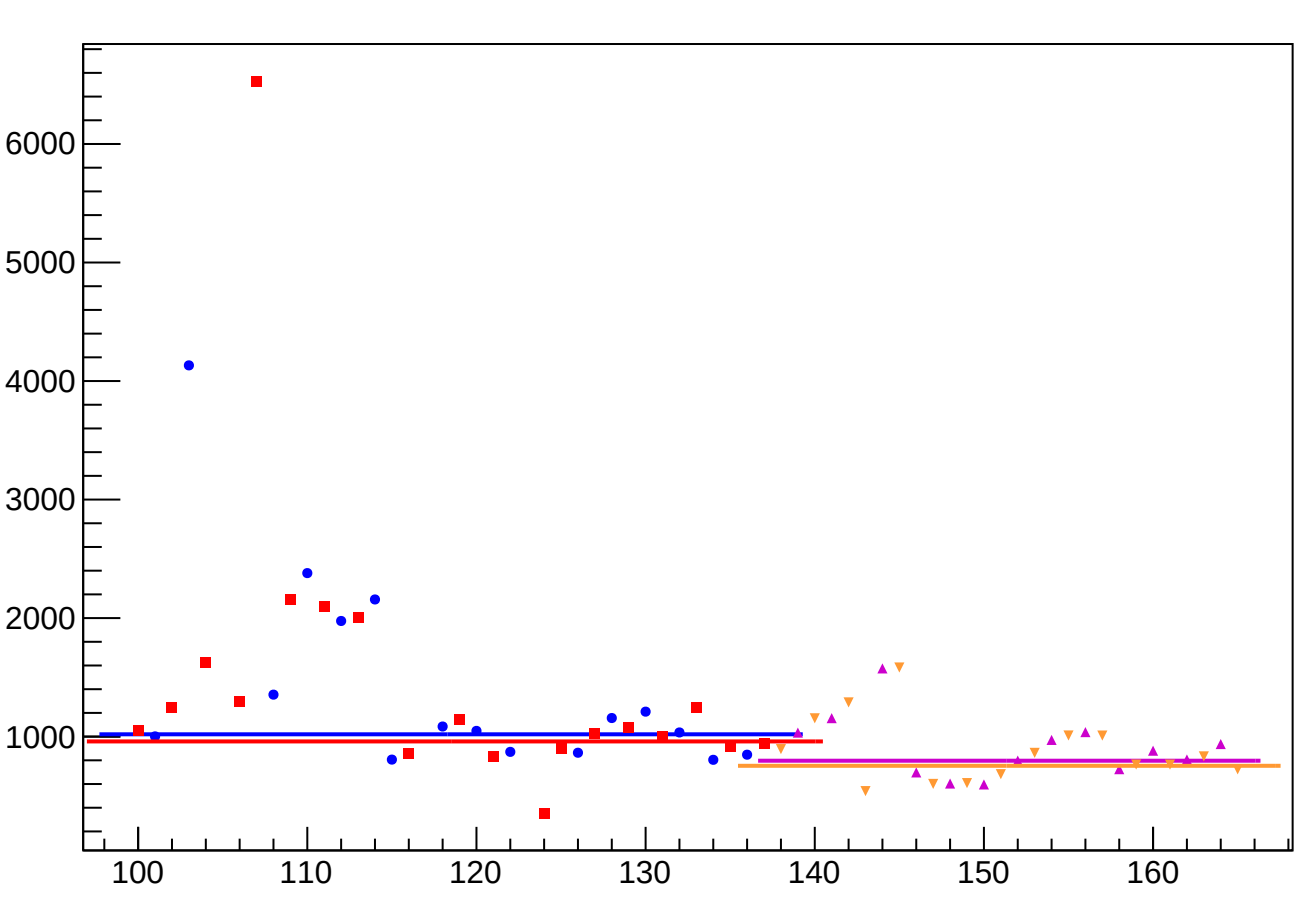
Left: 207.546+/-168.744 χ^2/NDF: 33.7/27

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 63.129+/-212.880 χ^2/NDF:25.1/28

Out: 142.695+/-198.424 χ^2/NDF:38.4/33

All: 105.705+/-145.149 χ^2/NDF: 63.6/62



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 753.741+/-0.162 χ^2/NDF:1533253.5/14

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

Left: 773.289+/-0.119 χ^2/NDF: 2860843.2/27

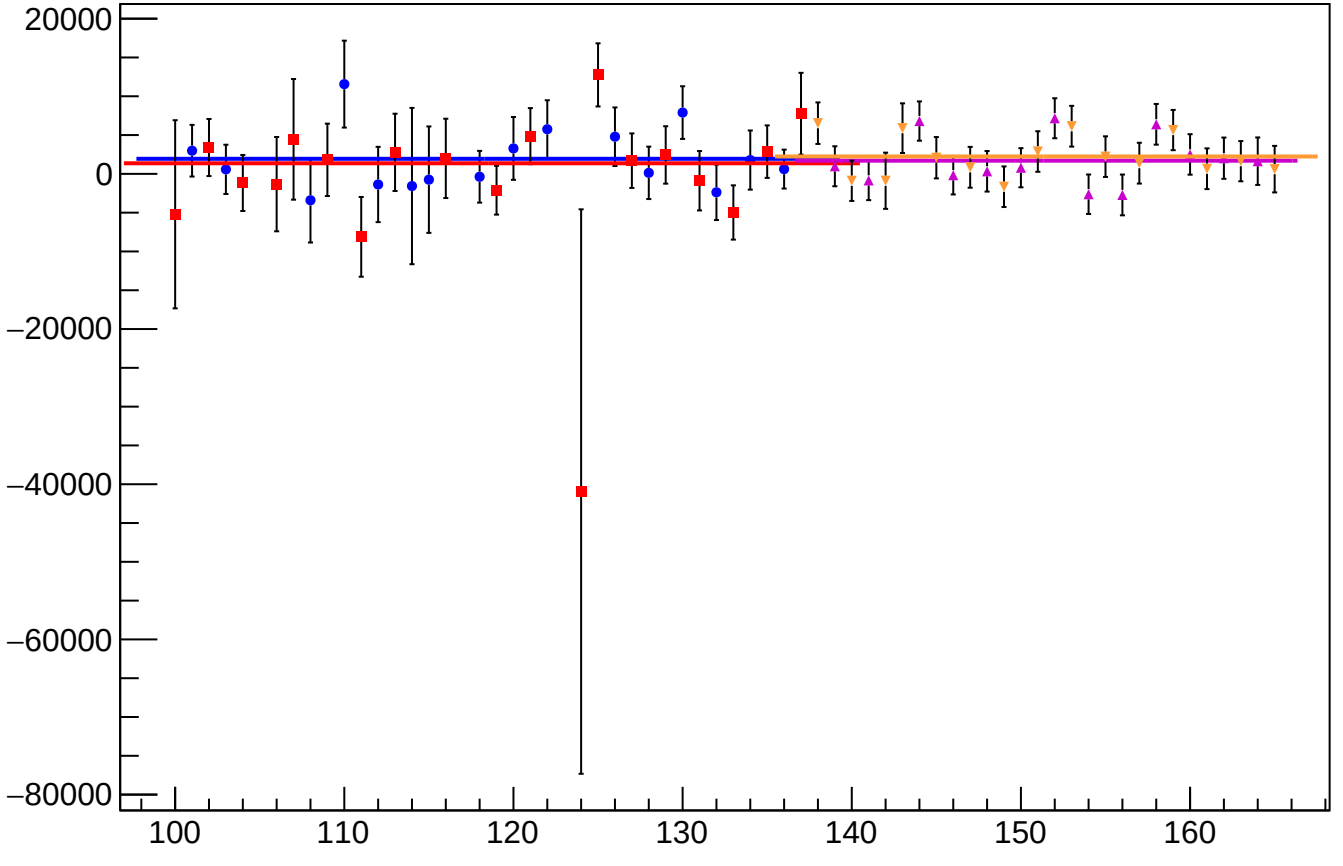
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.020+/-0.151 χ^2/NDF:3097476.9/28

Out: 804.504+/-0.140 χ^2/NDF:4276961.8/33

All: 829.383+/-0.103 χ^2/NDF: 7442072.2/62

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.462+/-702.033 χ^2/NDF:13.4/14

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1698.810+/-722.032 χ^2/NDF:19.6/12

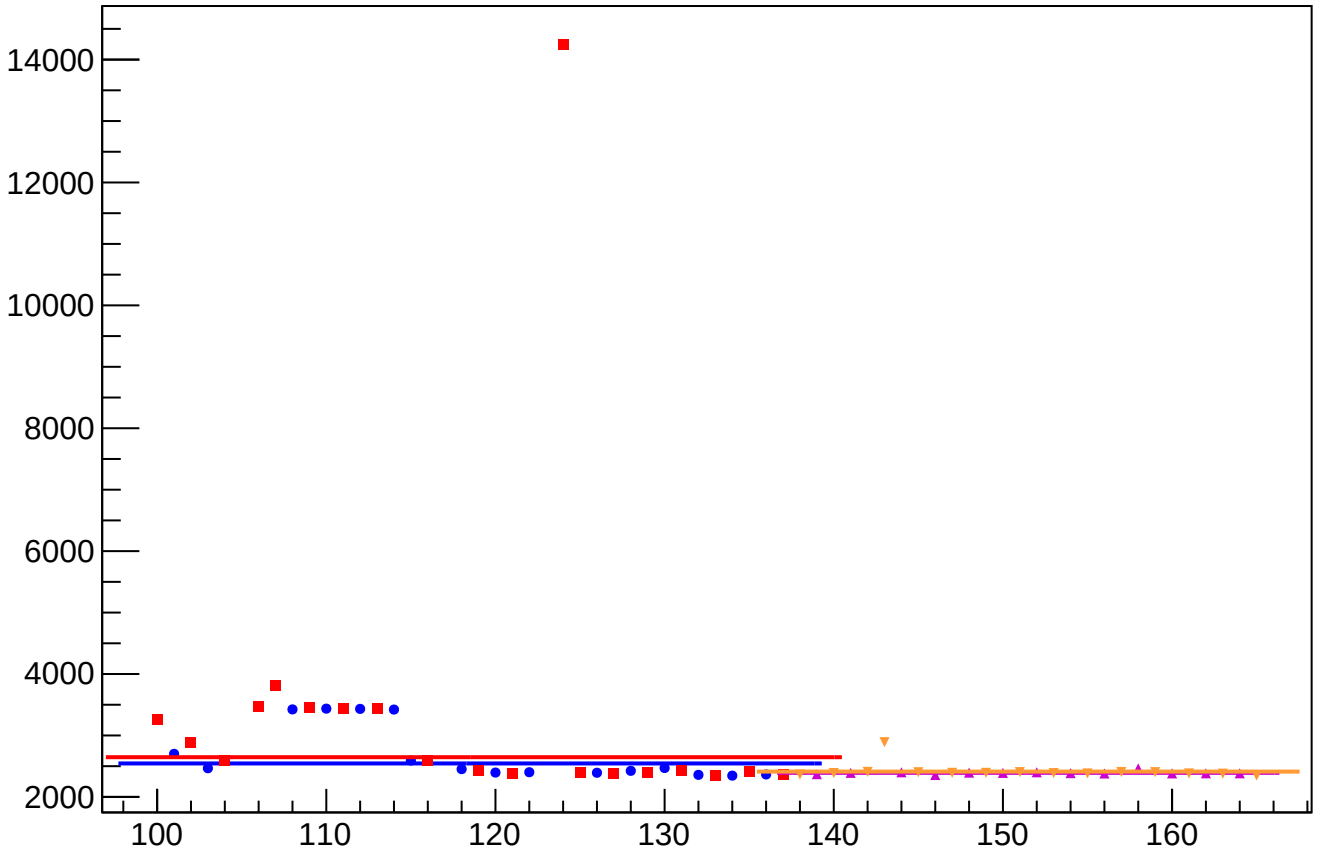
Left: 1976.213+/-503.334 χ^2/NDF: 33.3/27

Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1786.824+/-575.406 χ^2/NDF:31.9/28

Out: 1943.751+/-571.772 χ^2/NDF:35.6/33

All: 1865.785+/-405.583 χ^2/NDF: 67.6/62



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

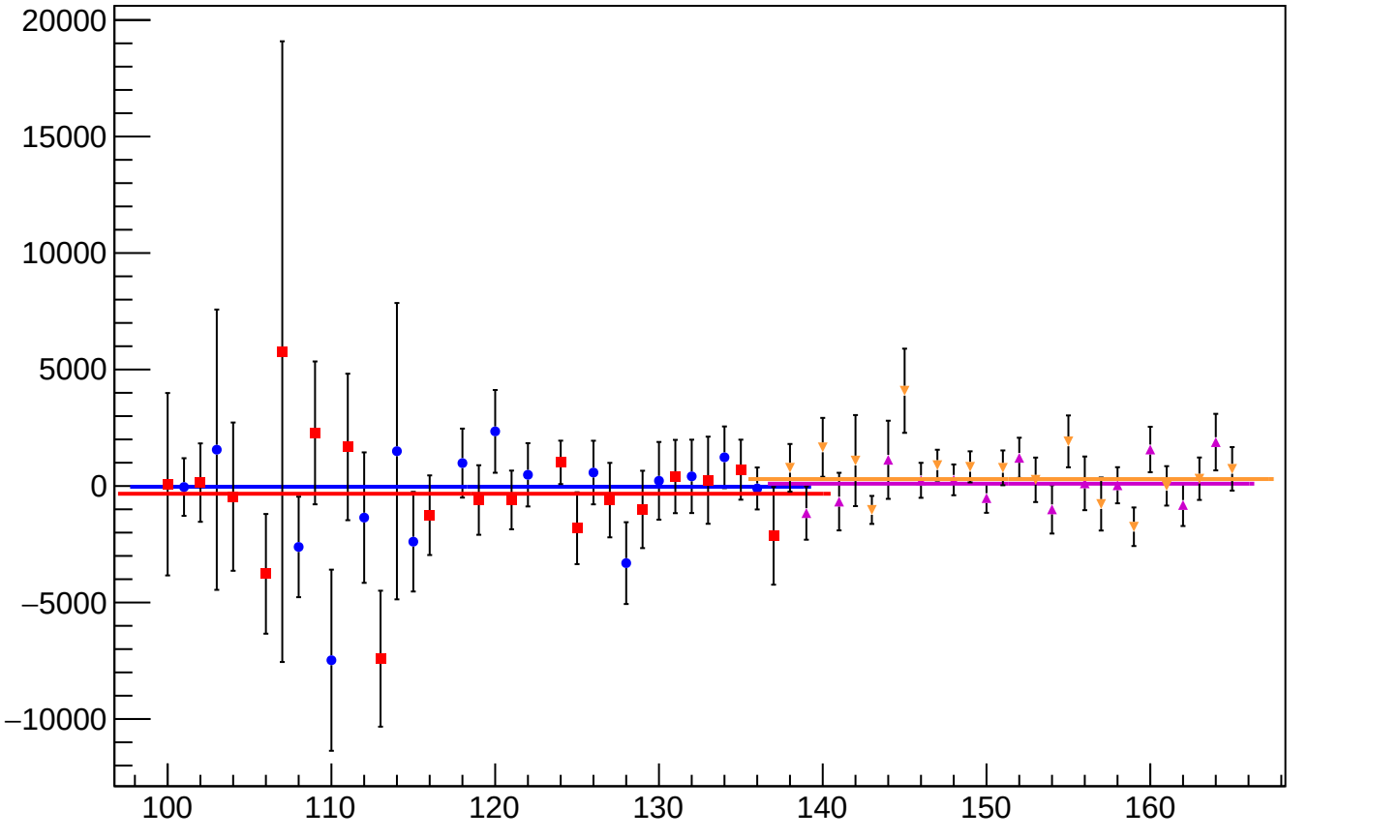
Left: 2402.076+/-0.356 χ^2/NDF: 50887.6/27

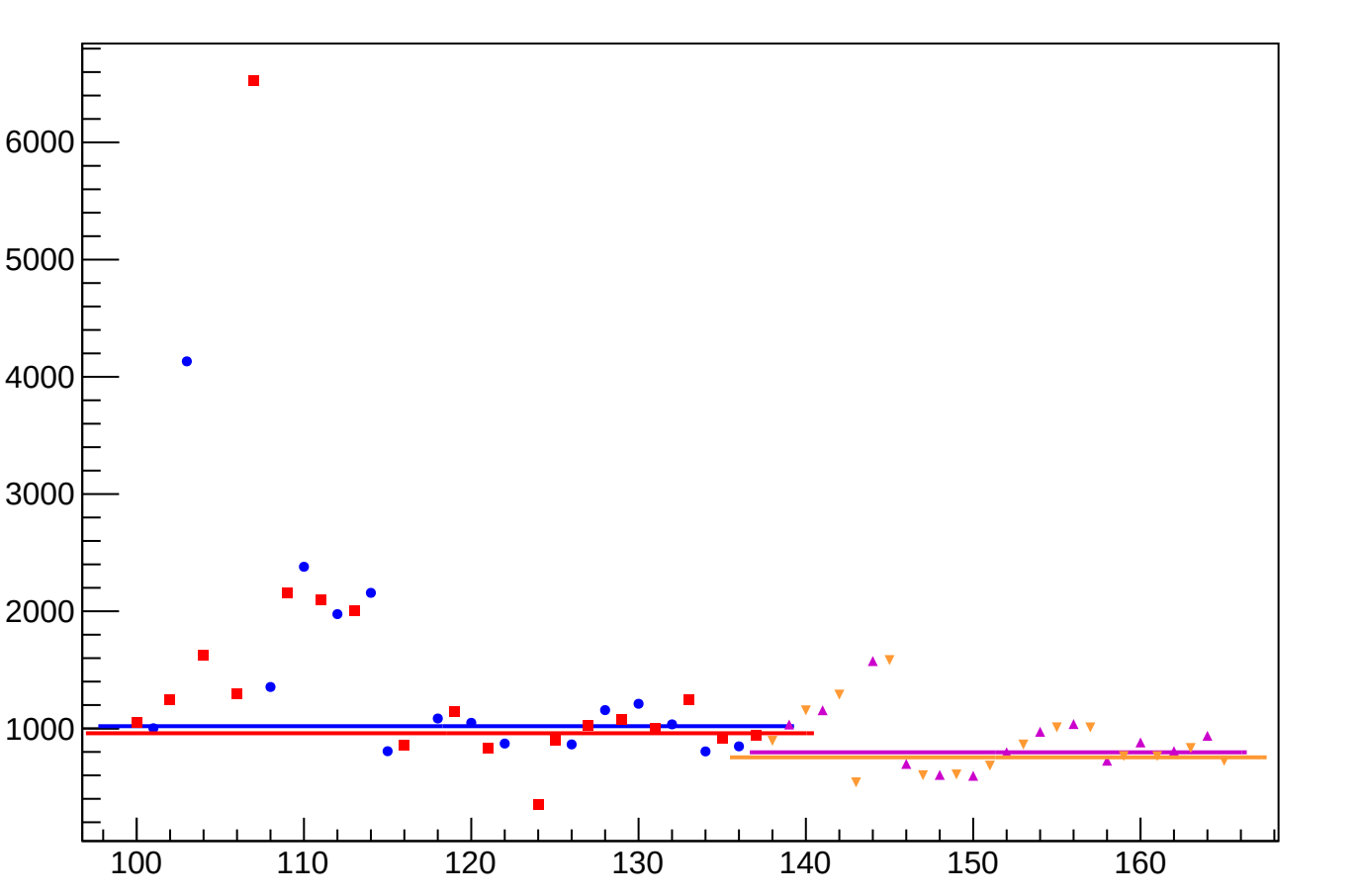
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2447.285+/-0.407 χ^2/NDF:260560.8/28

Out: 2490.914+/-0.404 χ^2/NDF:662269.8/33

All: 2469.237+/-0.287 χ^2/NDF: 928616.2/62


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 298.307+/-228.648 χ²/NDF:22.1/14
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 98.984+/-250.067 χ²/NDF:11.3/12
Left: 207.546+/-168.744 χ²/NDF: 33.7/27
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 63.129+/-212.880 χ²/NDF:25.1/28
Out: 142.695+/-198.424 χ²/NDF:38.4/33
All: 105.705+/-145.149 χ²/NDF: 63.6/62



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 753.741+/-0.162 χ^2/NDF:1533253.5/14

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

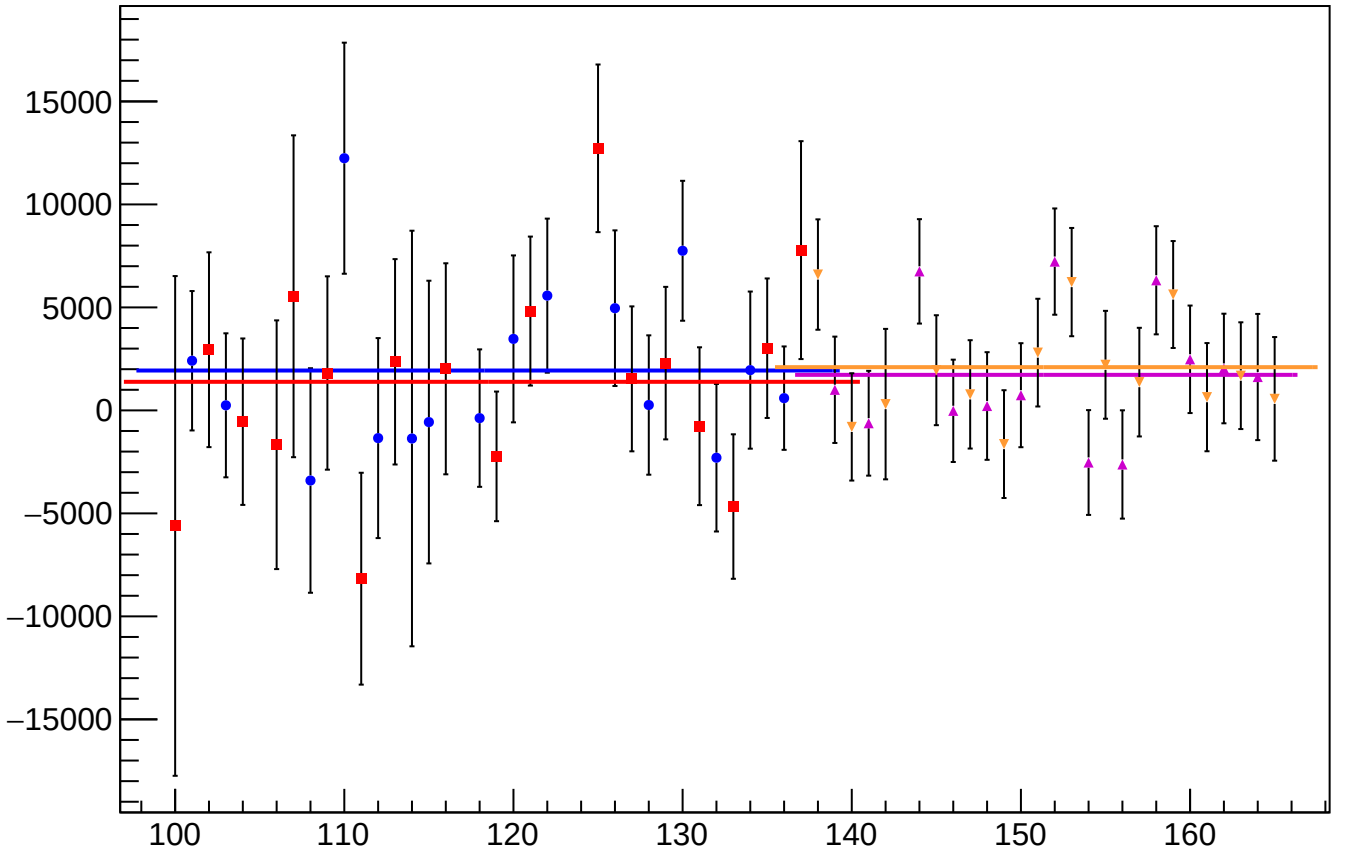
Left: 773.289+/-0.119 χ^2/NDF: 2860843.2/27

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.020+/-0.151 χ^2/NDF:3097476.9/28

Out: 804.504+/-0.140 χ^2/NDF:4276961.8/33

All: 829.383+/-0.103 χ^2/NDF: 7442072.2/62



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2098.731+/-720.473 χ^2/NDF:11.7/13

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1725.398+/-722.711 χ^2/NDF:19.1/12

Left: 1912.644+/-510.241 χ^2/NDF: 30.9/26

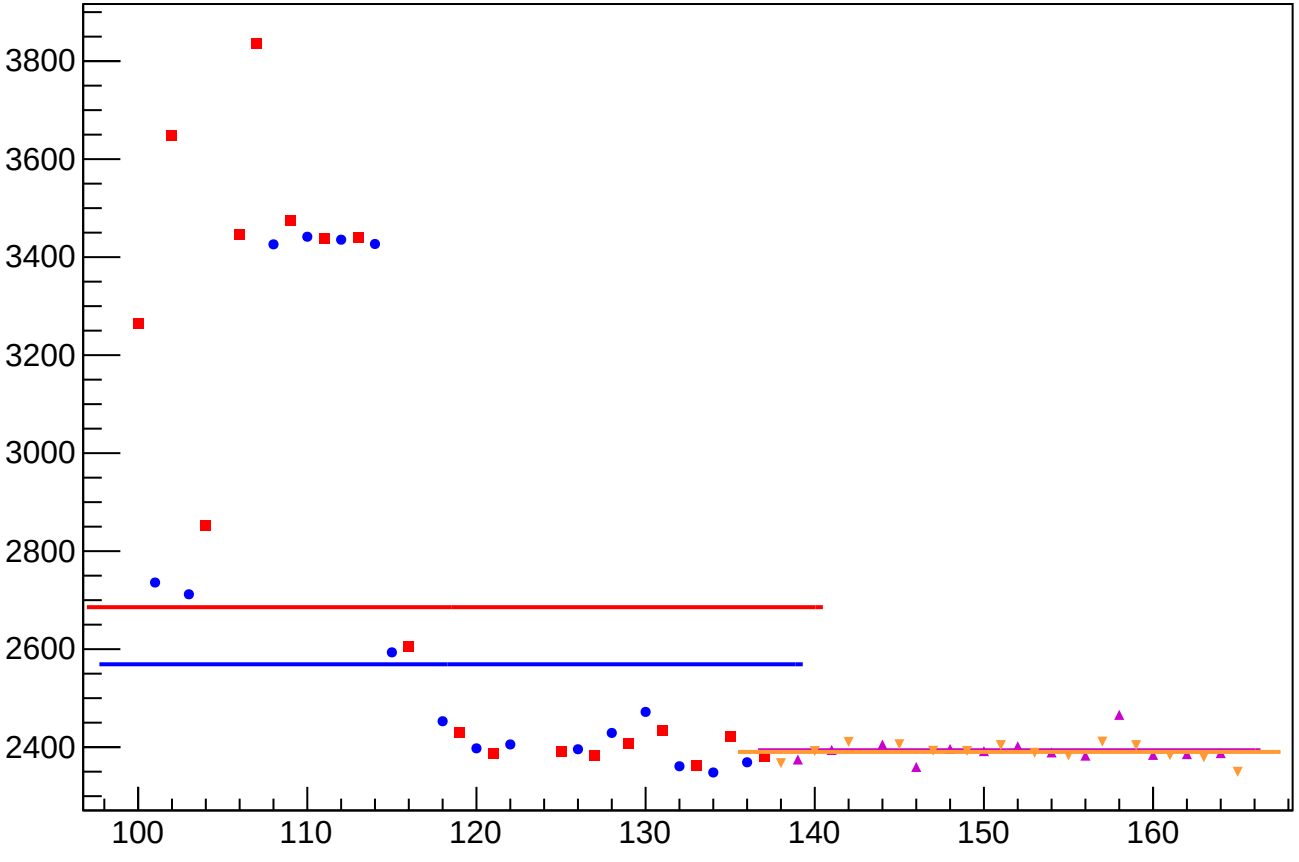
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1801.342+/-577.889 χ^2/NDF:31.5/28

Out: 1858.606+/-586.360 χ^2/NDF:31.7/31

All: 1829.558+/-411.592 χ^2/NDF: 63.2/60

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2390.282+/-0.509 χ^2/NDF:953.0/13

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

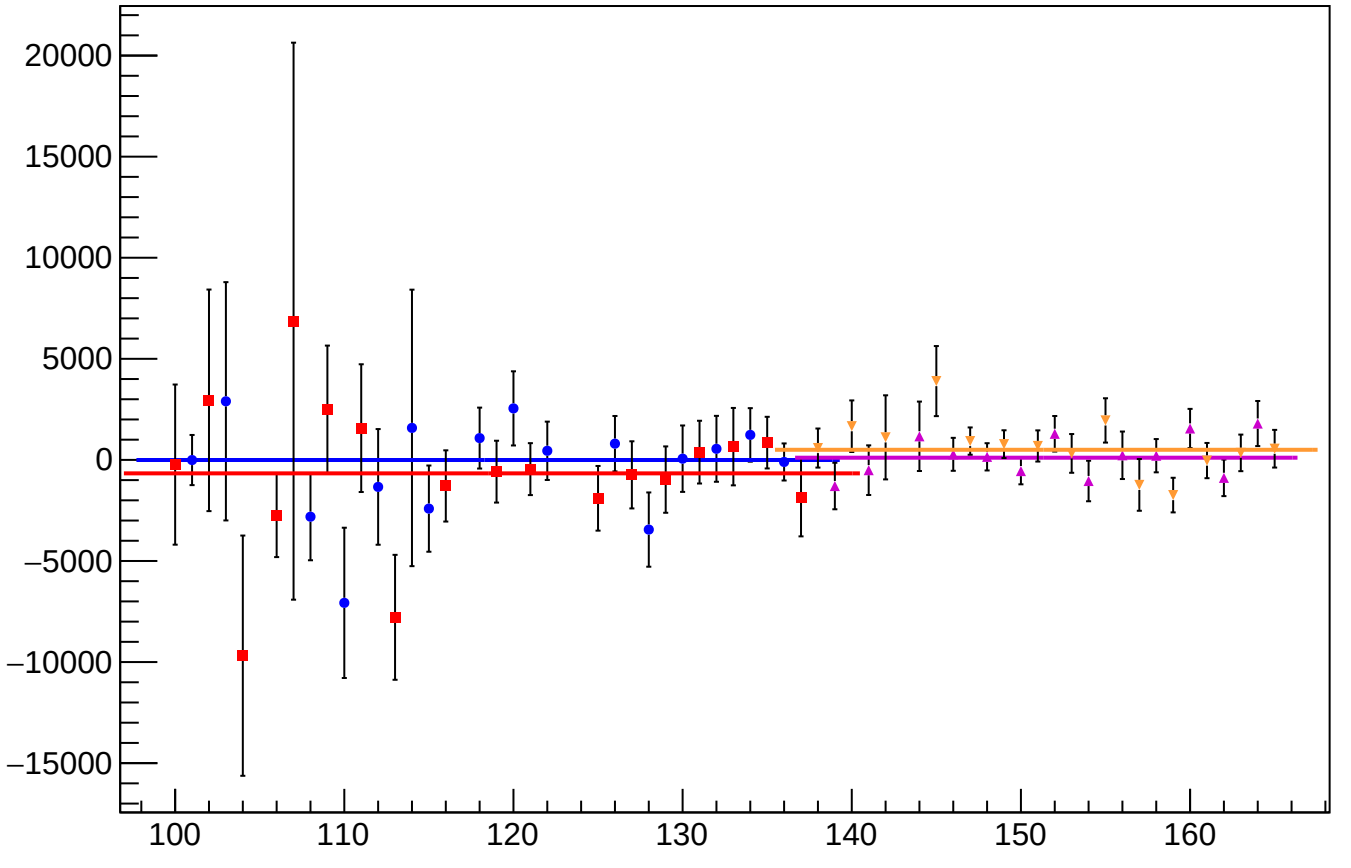
Left: 2391.991+/-0.361 χ^2/NDF: 3131.1/26

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2456.970+/-0.409 χ^2/NDF:274134.6/28

Out: 2490.018+/-0.415 χ^2/NDF:533732.1/31

All: 2473.254+/-0.291 χ^2/NDF: 811089.6/60



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 500.281+/-251.337 χ^2/NDF:16.3/13

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 108.497+/-255.023 χ^2/NDF:12.1/12

Left: 307.241+/-179.011 χ^2/NDF: 29.6/26

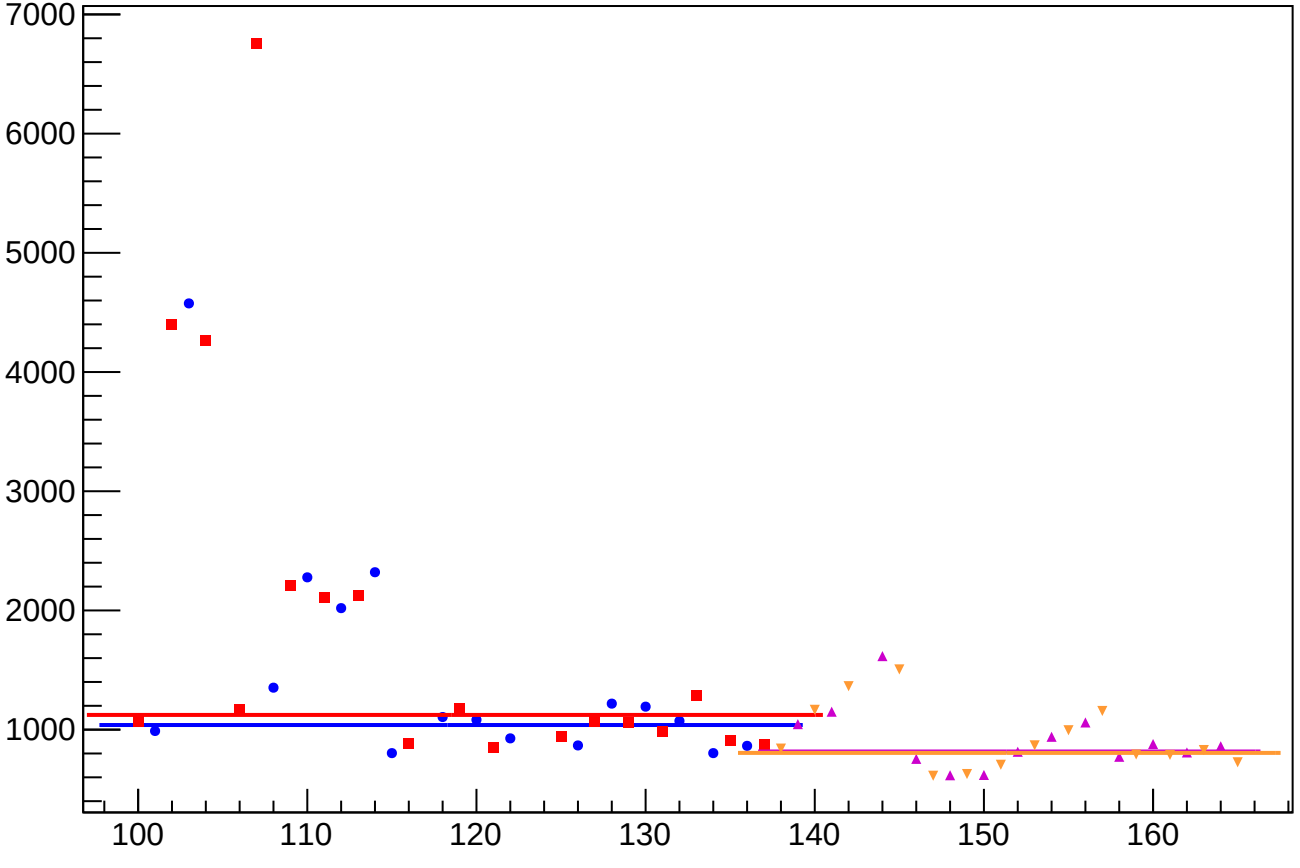
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 77.038+/-216.879 χ^2/NDF:26.6/28

Out: 232.622+/-220.617 χ^2/NDF:35.6/31

All: 153.500+/-154.661 χ^2/NDF: 62.5/60

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 804.933+/-0.178 χ^2/NDF:1199222.2/13

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 816.775+/-0.180 χ^2/NDF:1162138.2/12

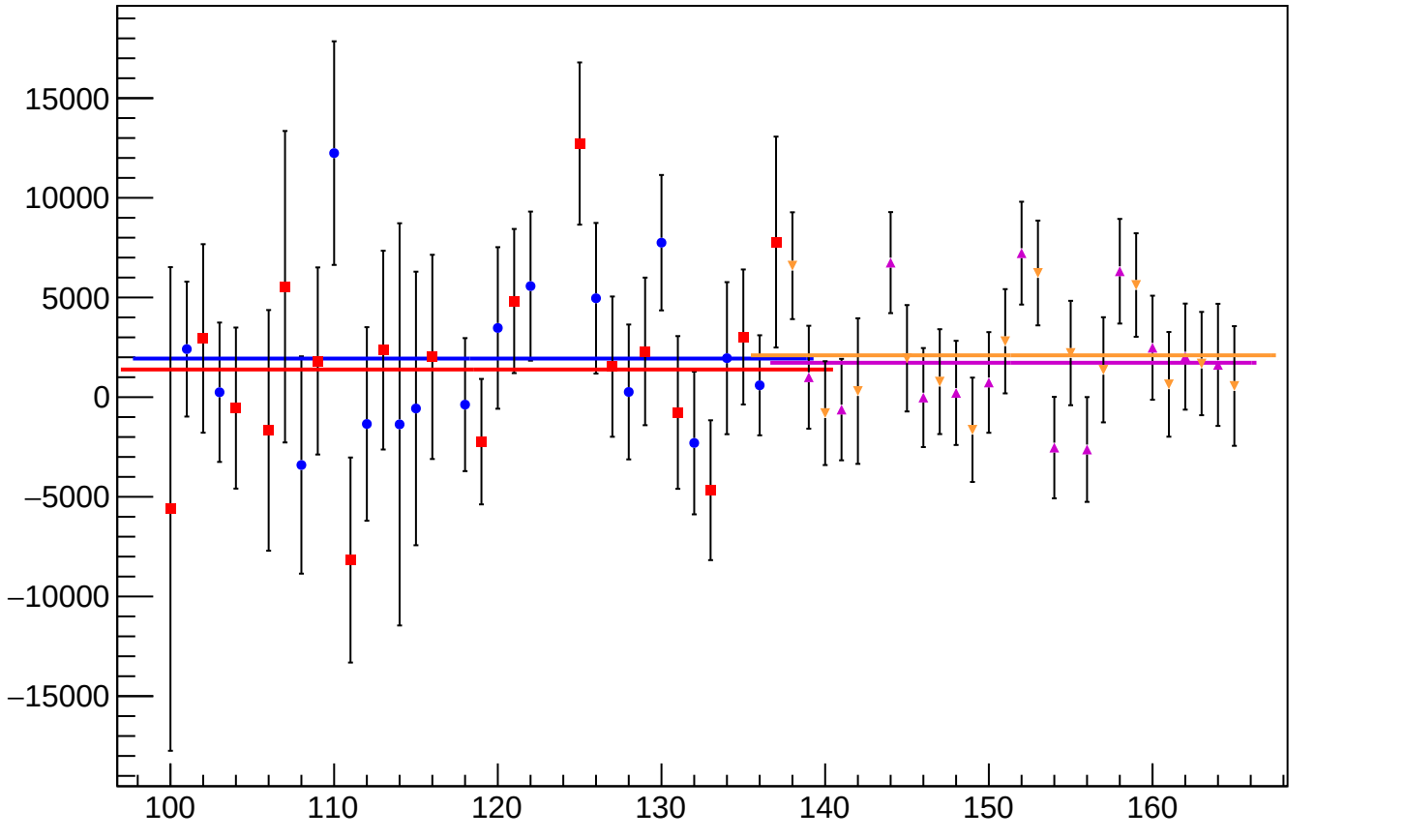
Left: 810.768+/-0.127 χ^2/NDF: 2363548.2/26

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 878.226+/-0.153 χ^2/NDF:3121438.8/28

Out: 878.040+/-0.156 χ^2/NDF:4472039.5/31

All: 878.135+/-0.109 χ^2/NDF: 7593479.0/60



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2098.731+/-720.473 χ^2/NDF:11.7/13

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1725.399+/-722.711 χ^2/NDF:19.1/12

Left: 1912.644+/-510.241 χ^2/NDF: 30.9/26

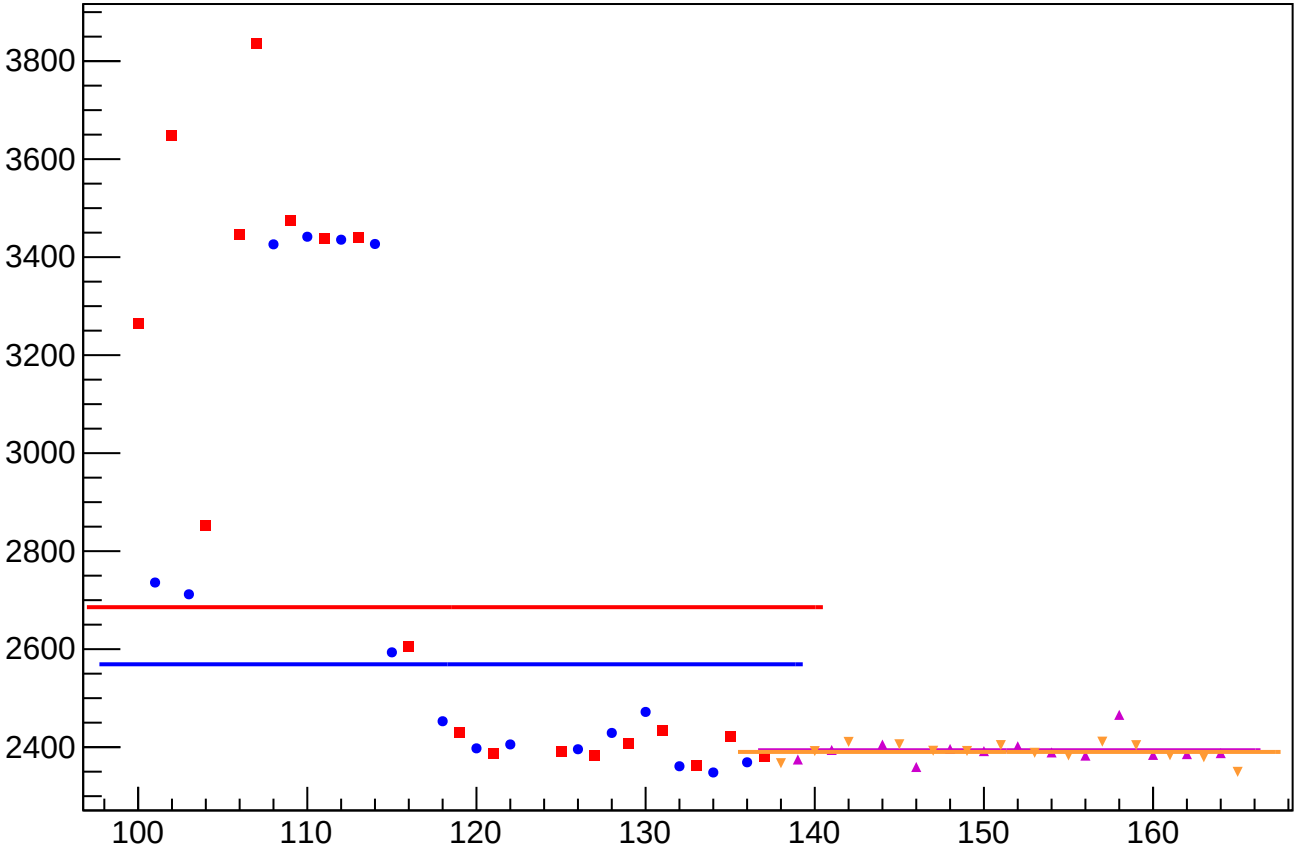
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1801.341+/-577.889 χ^2/NDF:31.5/28

Out: 1858.605+/-586.360 χ^2/NDF:31.7/31

All: 1829.557+/-411.591 χ^2/NDF: 63.2/60

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2390.282+/-0.509 χ^2/NDF:953.0/13

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

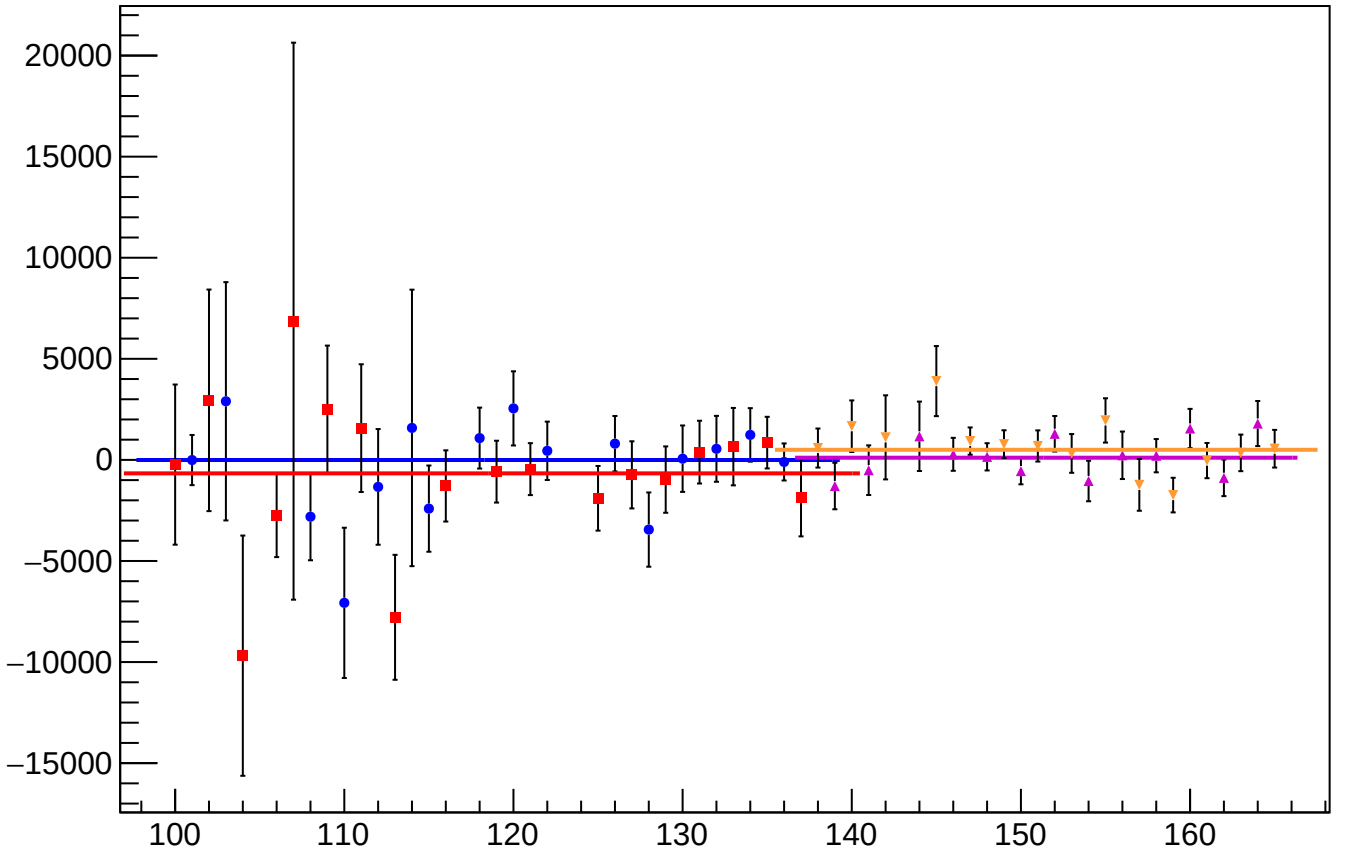
Left: 2391.991+/-0.361 χ^2/NDF: 3131.1/26

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2456.970+/-0.409 χ^2/NDF:274134.2/28

Out: 2490.018+/-0.415 χ^2/NDF:533731.2/31

All: 2473.254+/-0.291 χ^2/NDF: 811088.3/60



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 500.280+/-251.337 χ^2/NDF:16.3/13

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 108.497+/-255.023 χ^2/NDF:12.1/12

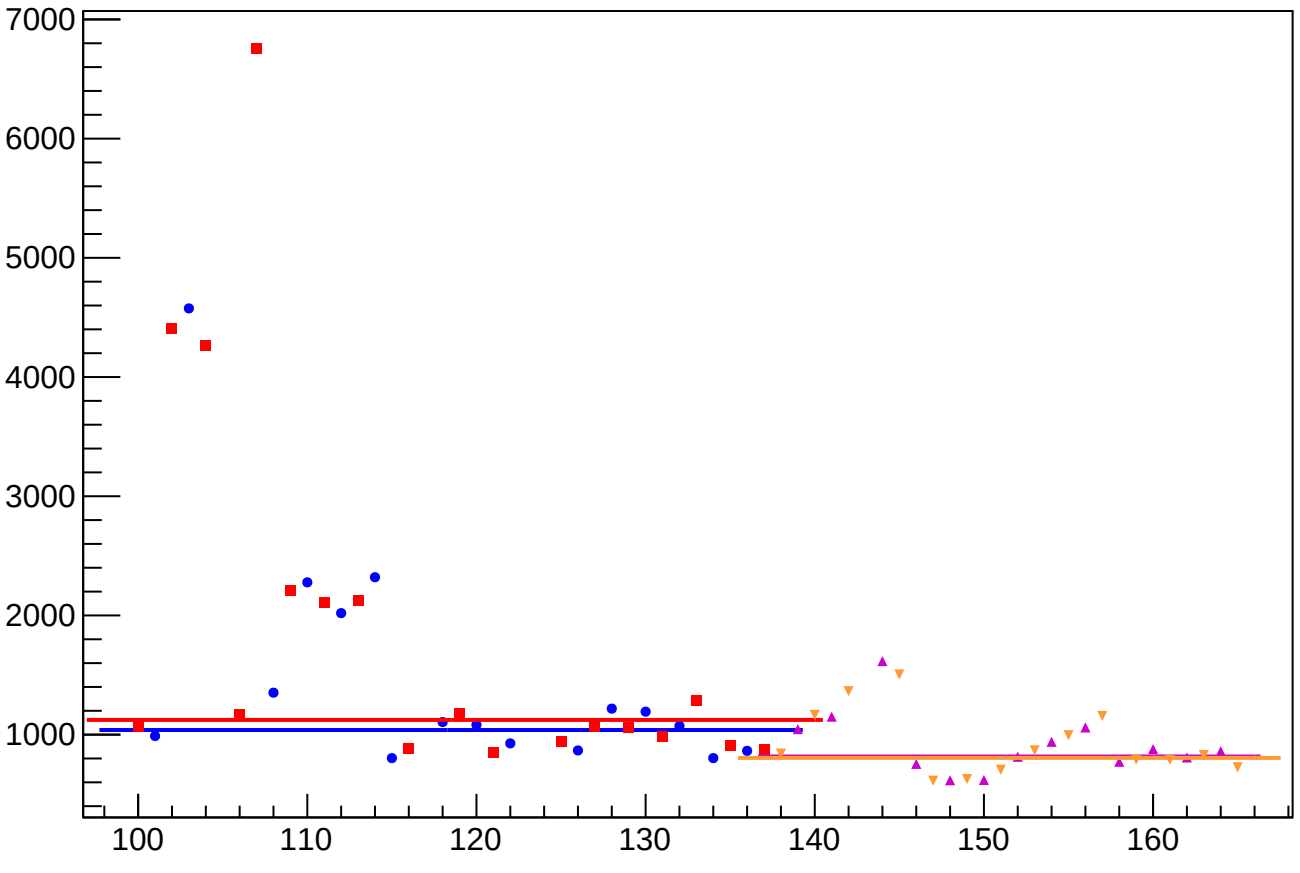
Left: 307.241+/-179.011 χ^2/NDF: 29.6/26

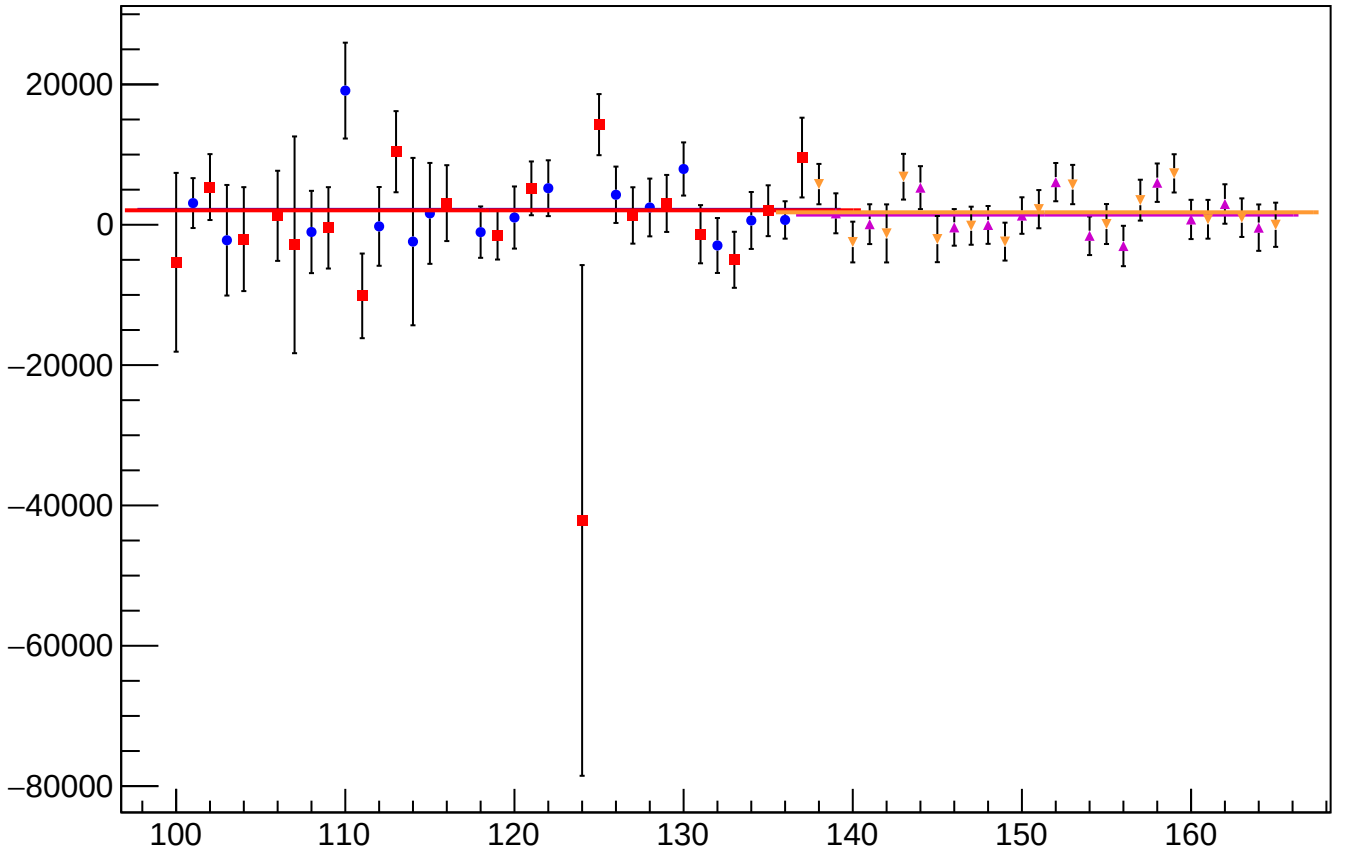
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 77.037+/-216.879 χ^2/NDF:26.6/28

Out: 232.620+/-220.618 χ^2/NDF:35.6/31

All: 153.499+/-154.662 χ^2/NDF: 62.5/60


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 804.934+/-0.178 χ²/NDF:1199218.6/13
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 816.777+/-0.180 χ²/NDF:1162136.3/12
Left: 810.769+/-0.127 χ²/NDF: 2363542.7/26
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 878.227+/-0.153 χ²/NDF:3121426.5/28
Out: 878.042+/-0.156 χ²/NDF:4472025.5/31
All: 878.136+/-0.109 χ²/NDF: 7593452.7/60



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1774.407+/-753.848 χ^2/NDF:18.7/14

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1445.249+/-777.880 χ^2/NDF:12.5/12

Left: 1614.991+/-541.347 χ^2/NDF: 31.3/27

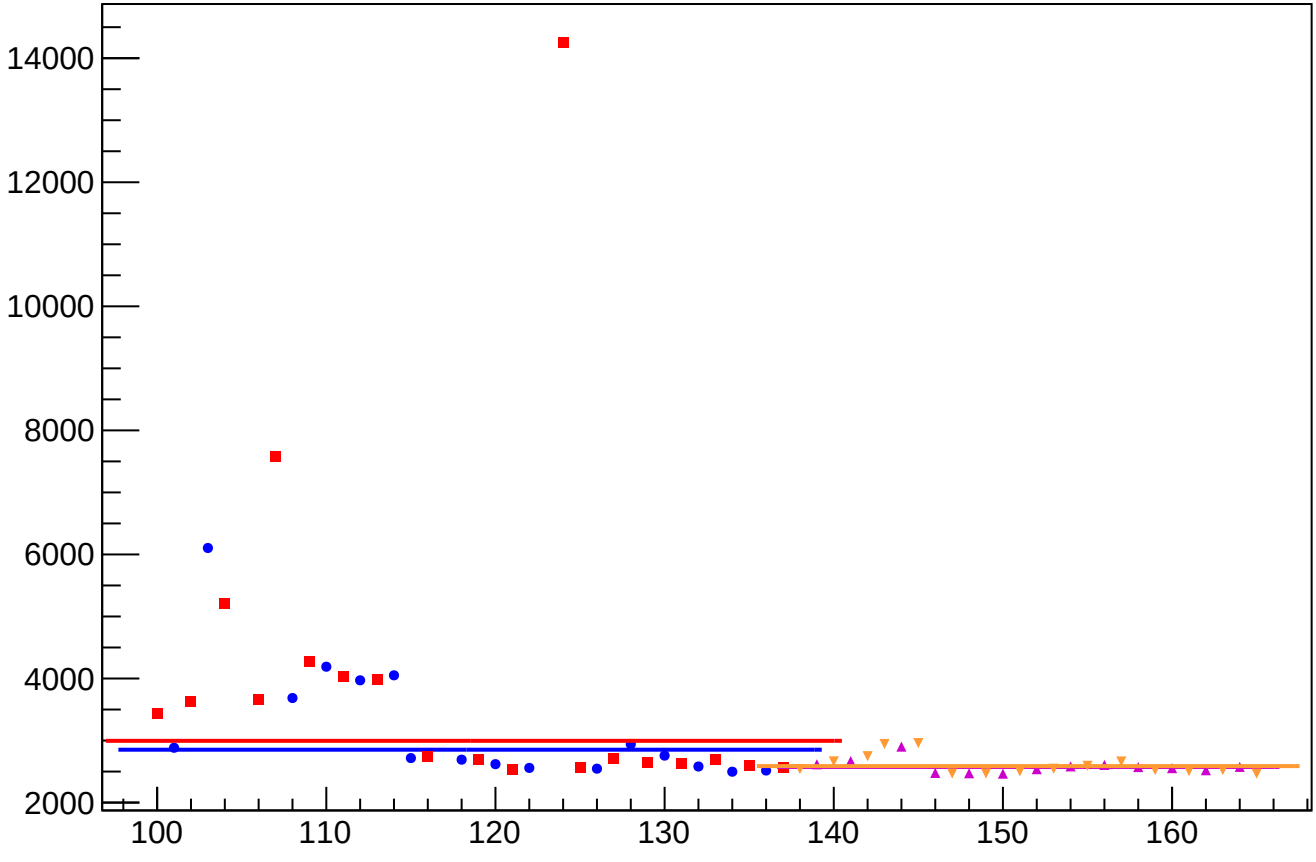
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1675.087+/-632.133 χ^2/NDF:26.1/28

Out: 1861.557+/-628.264 χ^2/NDF:43.0/33

All: 1768.894+/-445.611 χ^2/NDF: 69.2/62

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2588.049+/-0.533 χ^2/NDF:72522.0/14

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2573.771+/-0.550 χ^2/NDF:36059.6/12

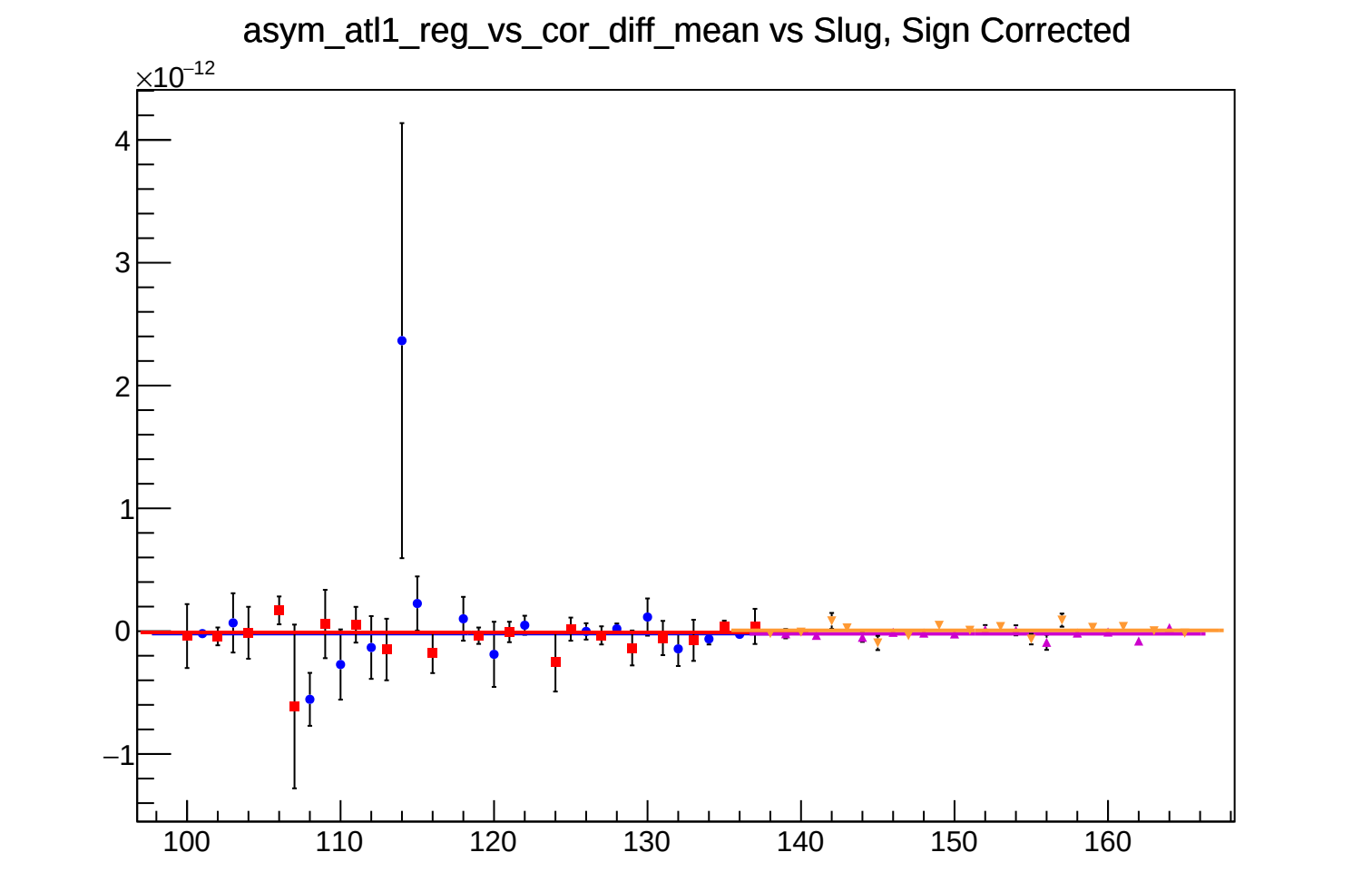
Left: 2581.134+/-0.383 χ^2/NDF: 108929.0/27

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2668.334+/-0.447 χ^2/NDF:771800.7/28

Out: 2712.504+/-0.444 χ^2/NDF:1230166.2/33

All: 2690.555+/-0.315 χ^2/NDF: 2006879.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/12

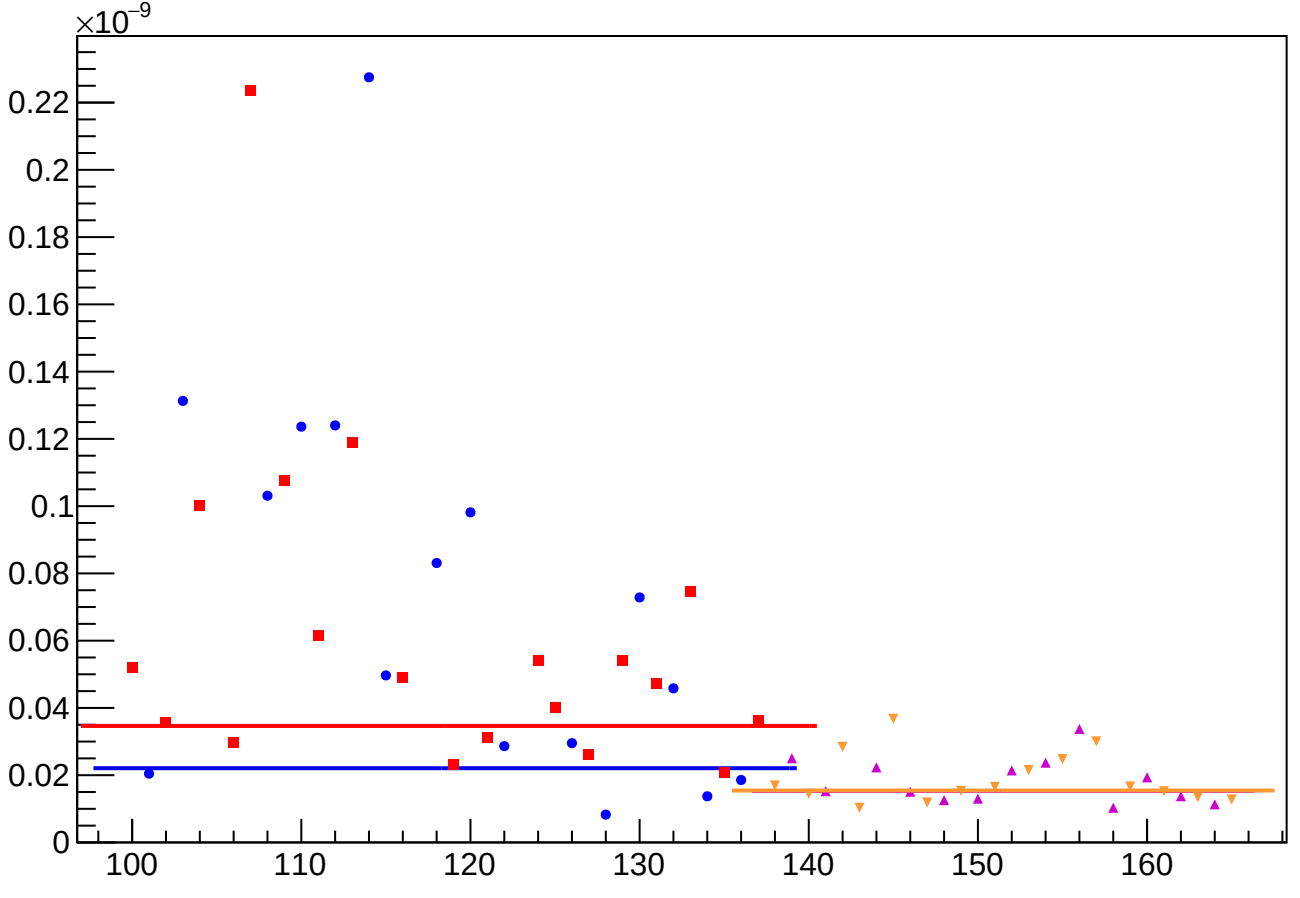
Left: -0.000+/-0.000 χ^2/NDF: 40.3/27

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:27.8/28

Out: 0.000+/-0.000 χ^2/NDF:30.4/33

All: -0.000+/-0.000 χ^2/NDF: 64.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:890567.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:772443.4/12

Left: 0.000+/-0.000 χ^2/NDF: 1663258.2/27

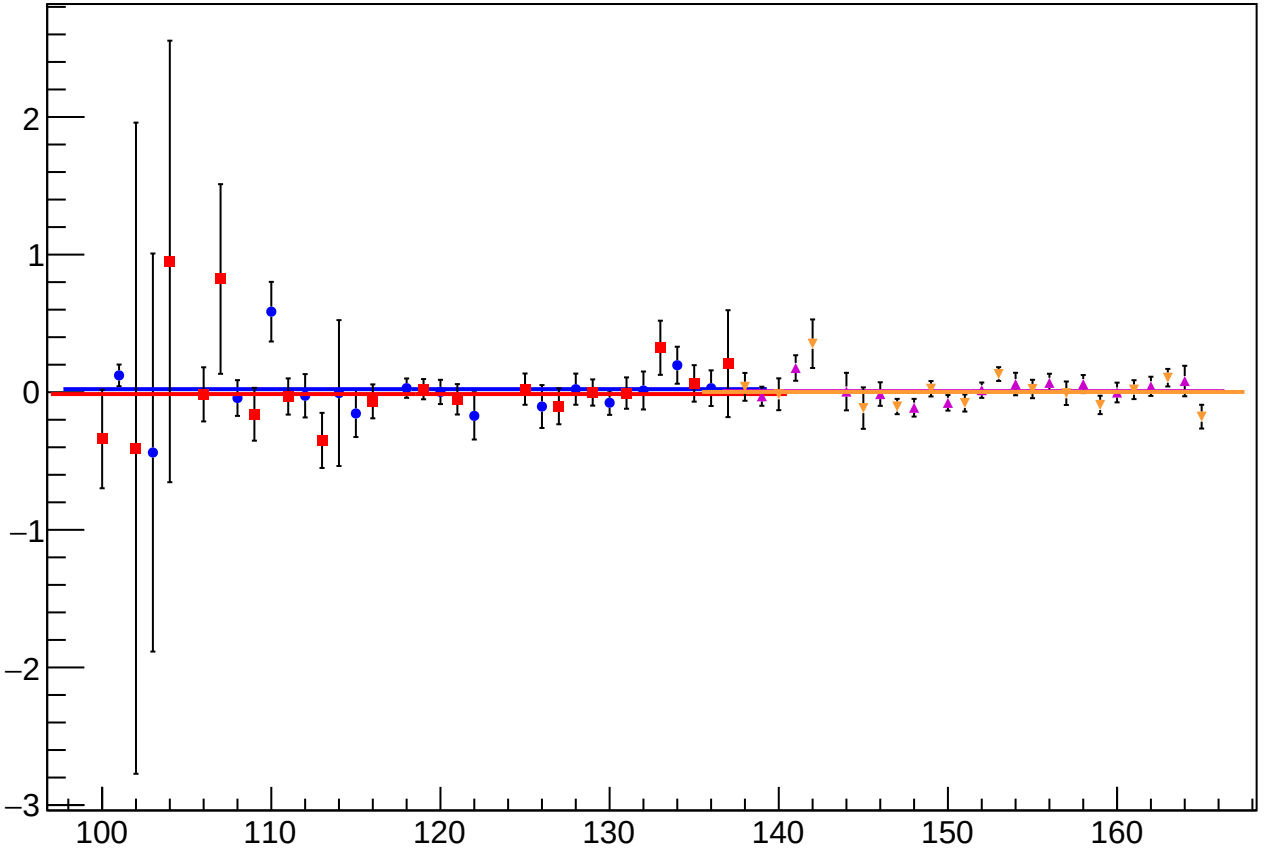
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3371281.2/28

Out: 0.000+/-0.000 χ^2/NDF:3265568.9/33

All: 0.000+/-0.000 χ^2/NDF: 6642118.3/62

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

Left: 0.005+/-0.014 χ^2/NDF: 38.0/26

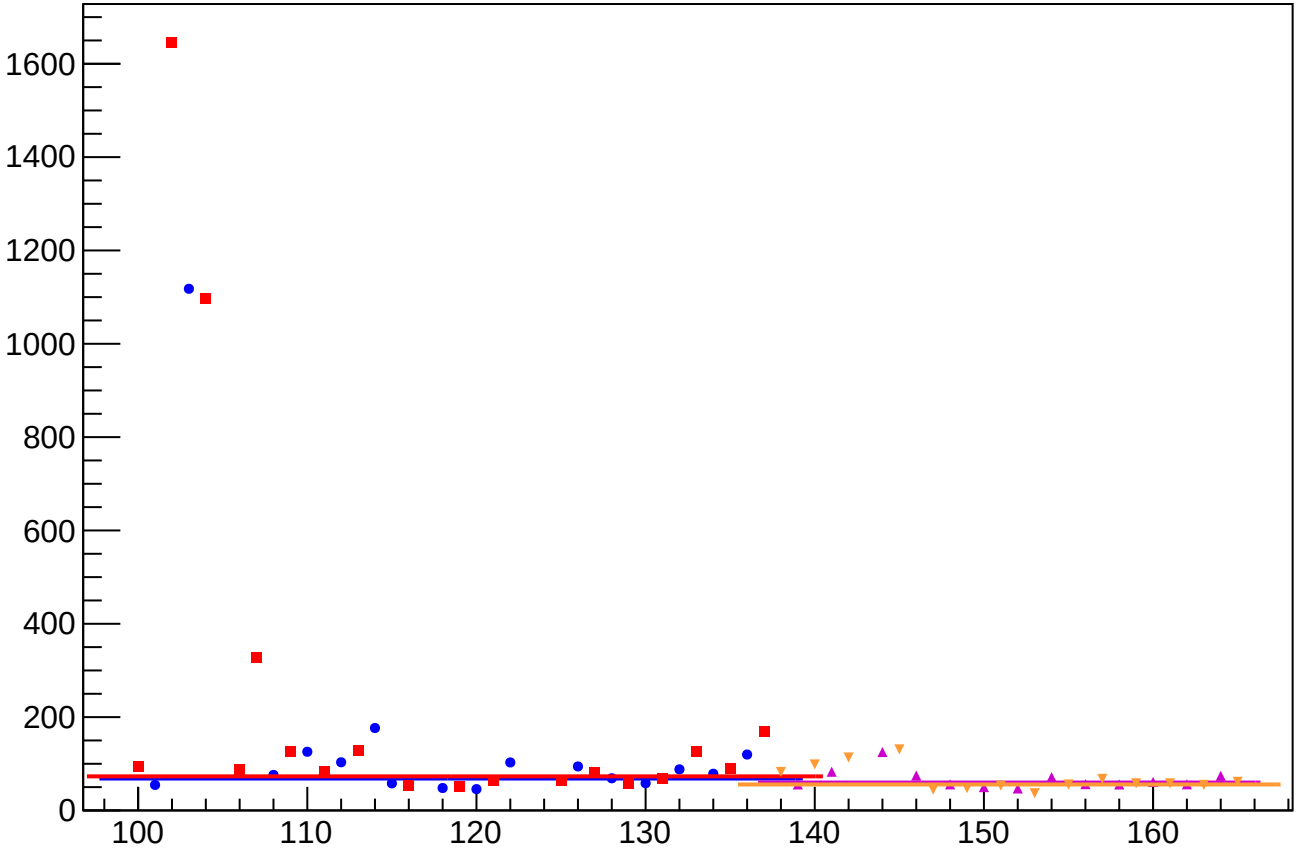
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.005+/-0.012 χ^2/NDF: 64.3/60

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: 55.686+/-0.014 χ^2/NDF:1582546.4/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

Left: 57.652+/-0.010 χ^2/NDF: 2546489.5/26

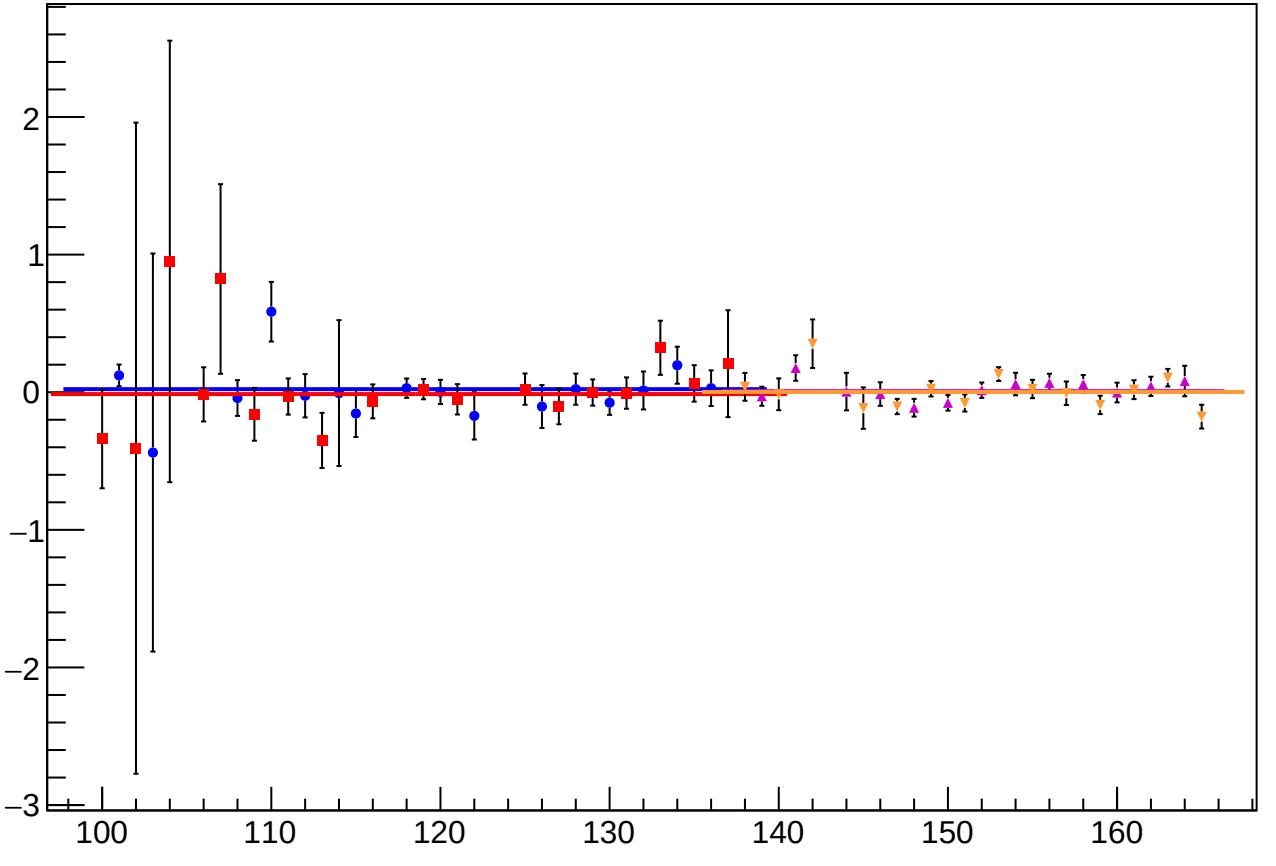
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.454+/-0.012 χ^2/NDF:3311212.0/28

Out: 59.975+/-0.012 χ^2/NDF:4902052.4/31

All: 61.209+/-0.008 χ^2/NDF: 8235394.2/60

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

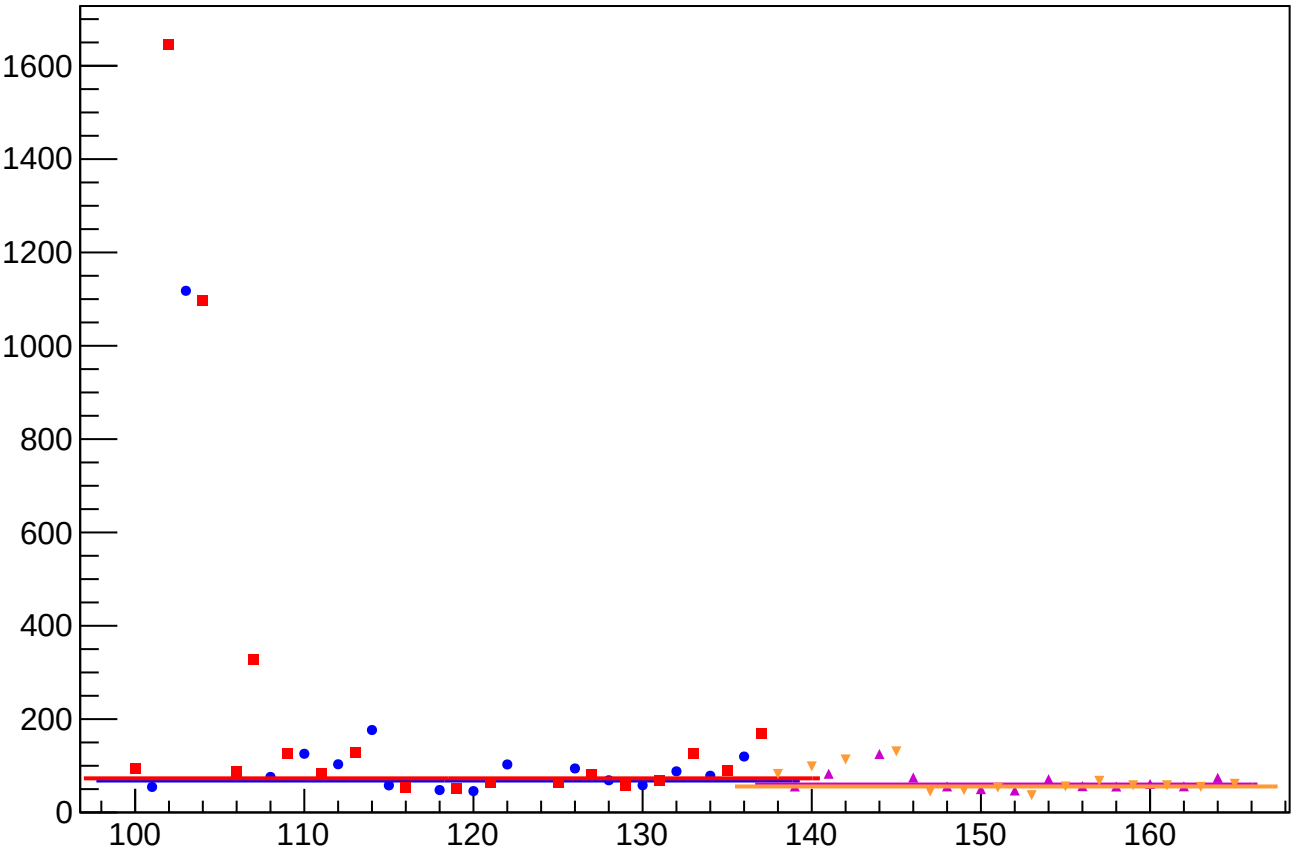
Left: 0.005+/-0.014 χ^2/NDF: 38.0/26

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.005+/-0.012 χ^2/NDF: 64.3/60



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.686+/-0.014 χ^2/NDF:1582546.4/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

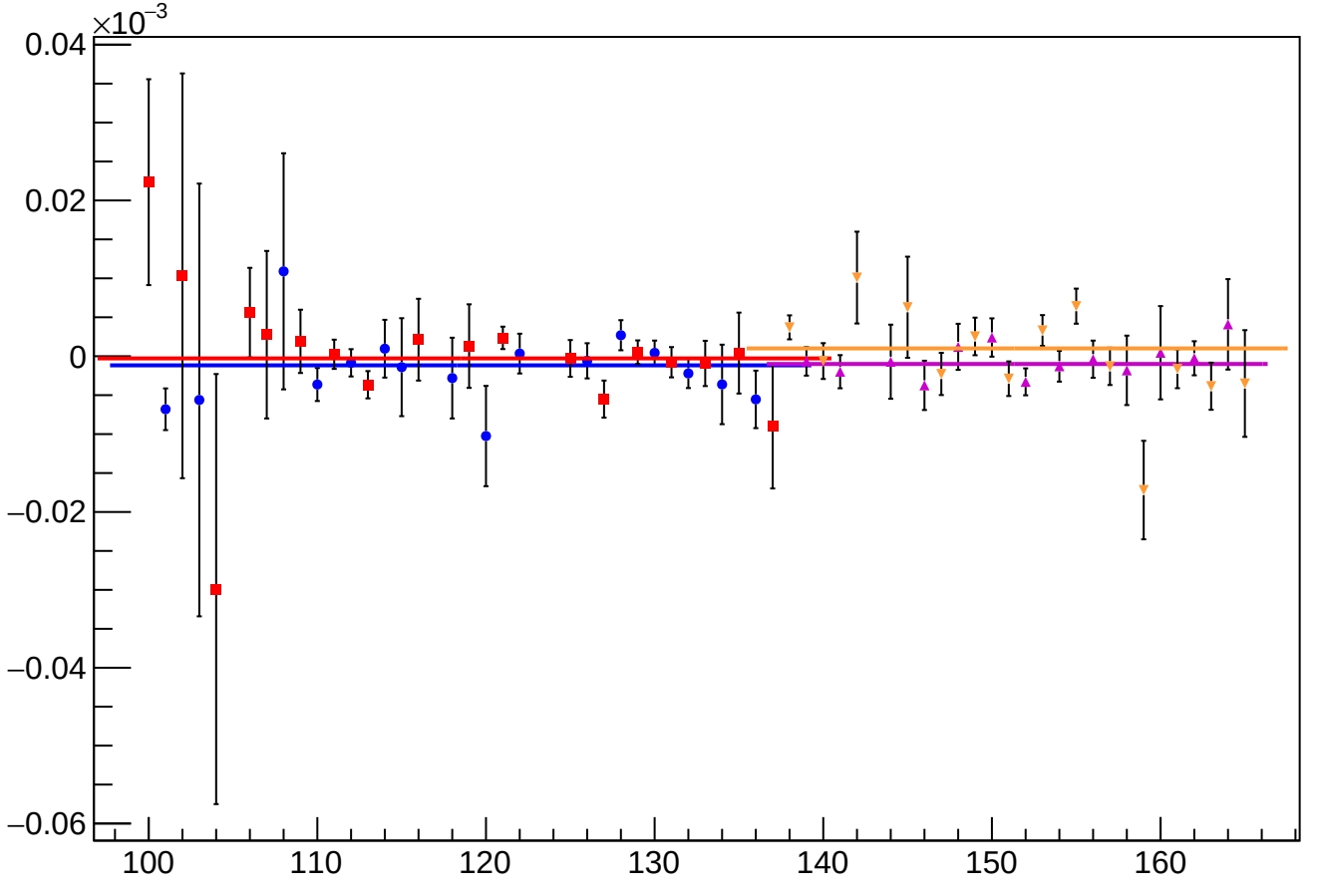
Left: 57.652+/-0.010 χ^2/NDF: 2546489.5/26

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.454+/-0.012 χ^2/NDF:3311212.0/28

Out: 59.975+/-0.012 χ^2/NDF:4902052.4/31

All: 61.209+/-0.008 χ^2/NDF: 8235394.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.3/12

Left: 0.000+/-0.000 χ^2/NDF: 42.5/26

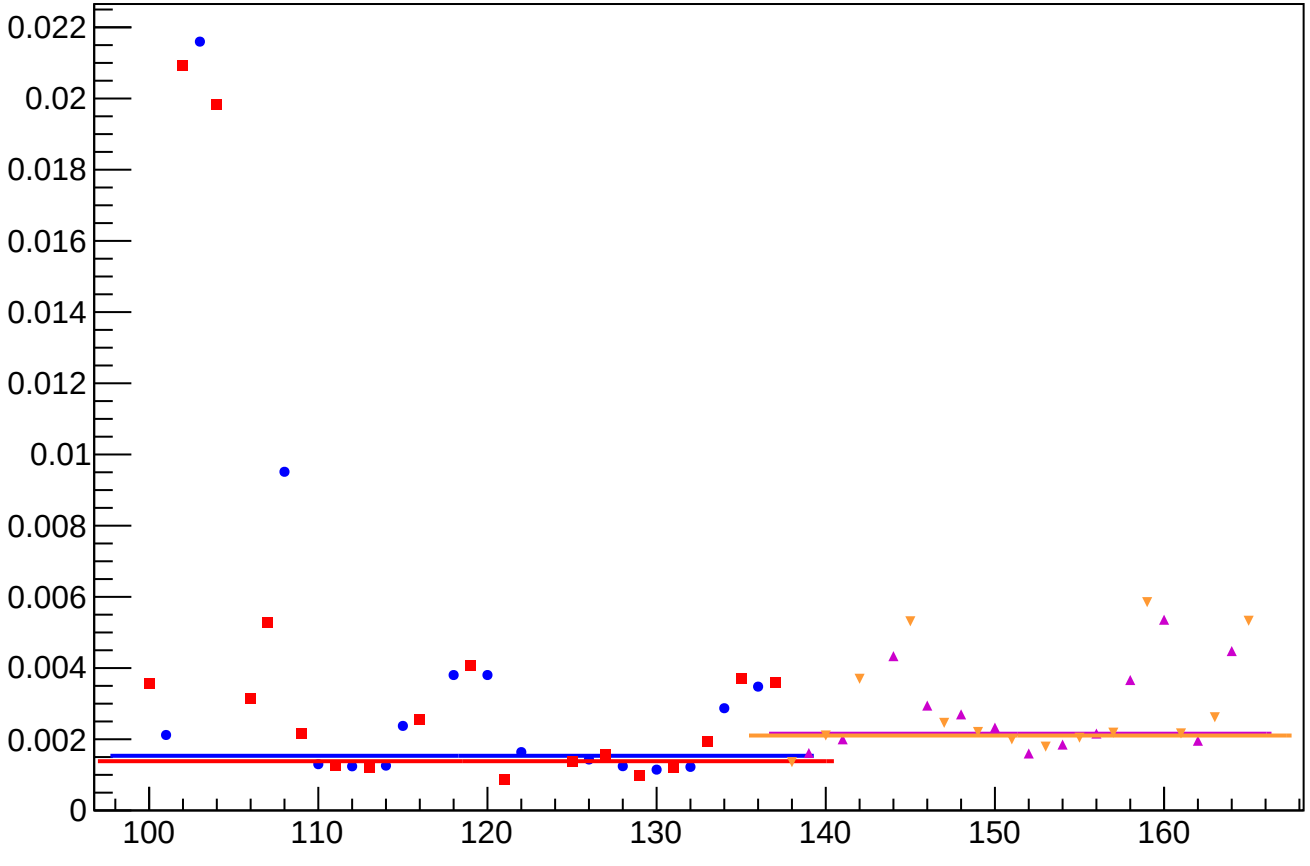
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:22.6/28

Out: 0.000+/-0.000 χ^2/NDF:53.4/31

All: -0.000+/-0.000 χ^2/NDF: 80.4/60

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2406610.2/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2198686.0/12

Left: 0.002+/-0.000 χ^2/NDF: 4610664.0/26

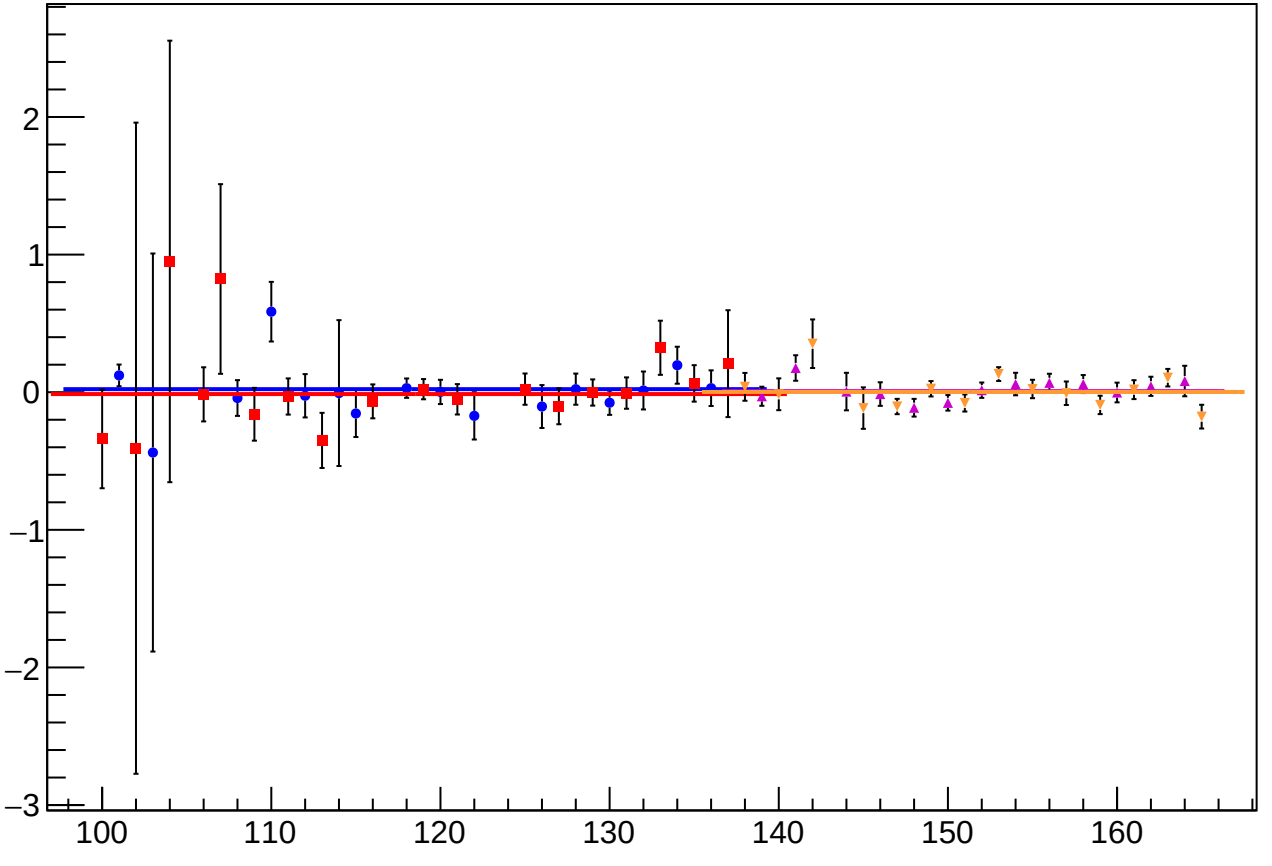
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6395363.7/28

Out: 0.002+/-0.000 χ^2/NDF:7867506.5/31

All: 0.002+/-0.000 χ^2/NDF: 14320182.2/60

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

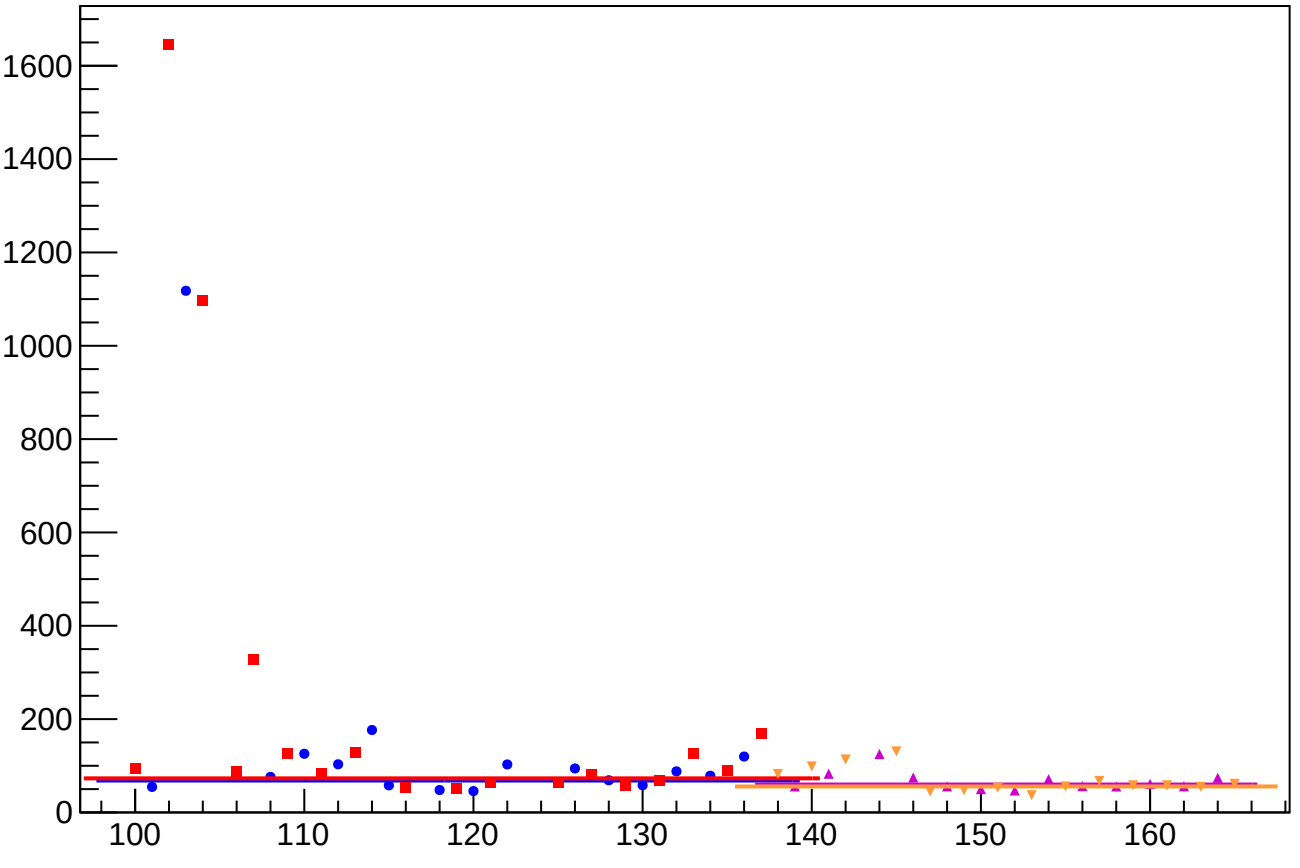
Left: 0.005+/-0.014 χ^2/NDF: 38.0/26

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.005+/-0.012 χ^2/NDF: 64.3/60



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.685+/-0.014 χ^2/NDF:1582620.1/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

Left: 57.652+/-0.010 χ^2/NDF: 2546547.2/26

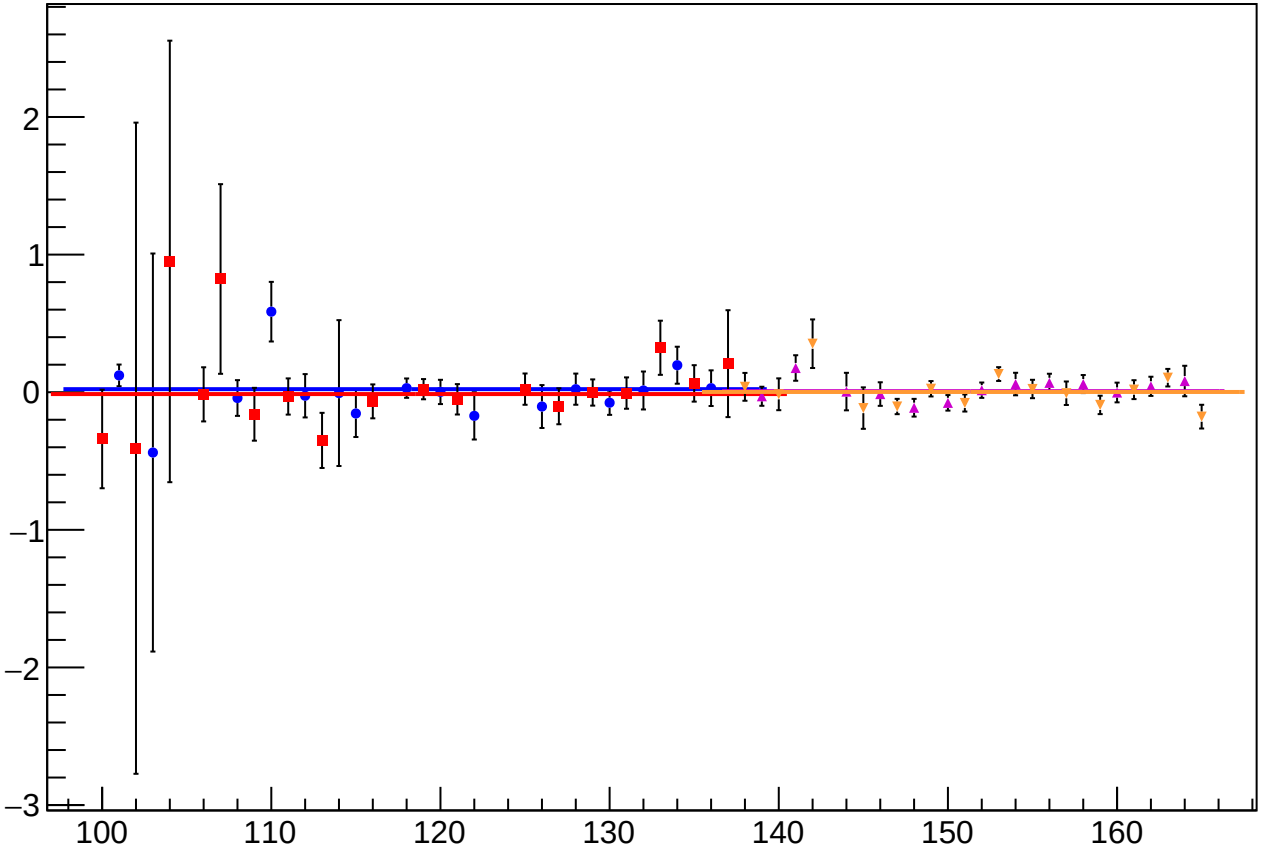
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.454+/-0.012 χ^2/NDF:3311242.7/28

Out: 59.975+/-0.012 χ^2/NDF:4902124.7/31

All: 61.209+/-0.008 χ^2/NDF: 8235499.2/60

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: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

Left: 0.005+/-0.014 χ^2/NDF: 38.0/26

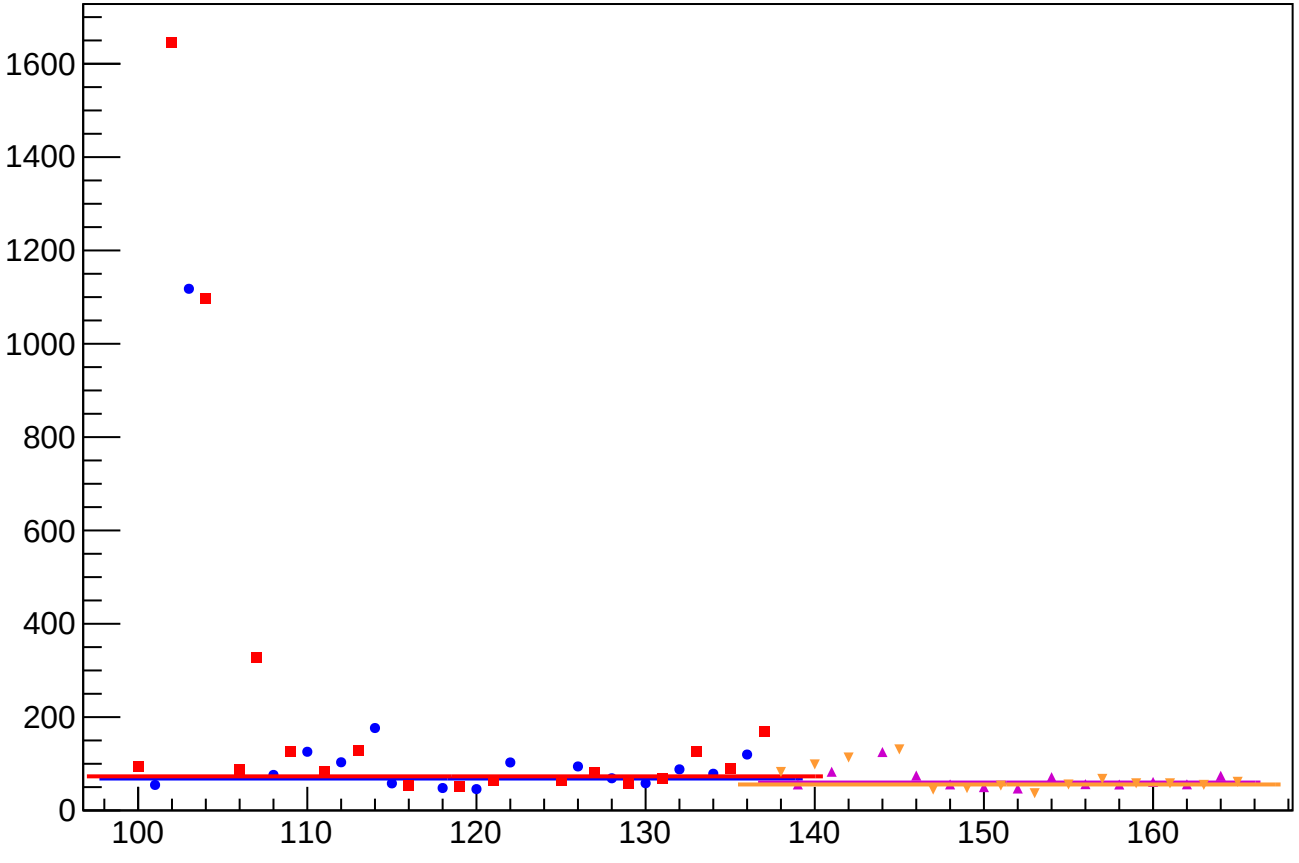
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.005+/-0.012 χ^2/NDF: 64.3/60

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: 55.685+/-0.014 χ^2/NDF:1582620.1/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

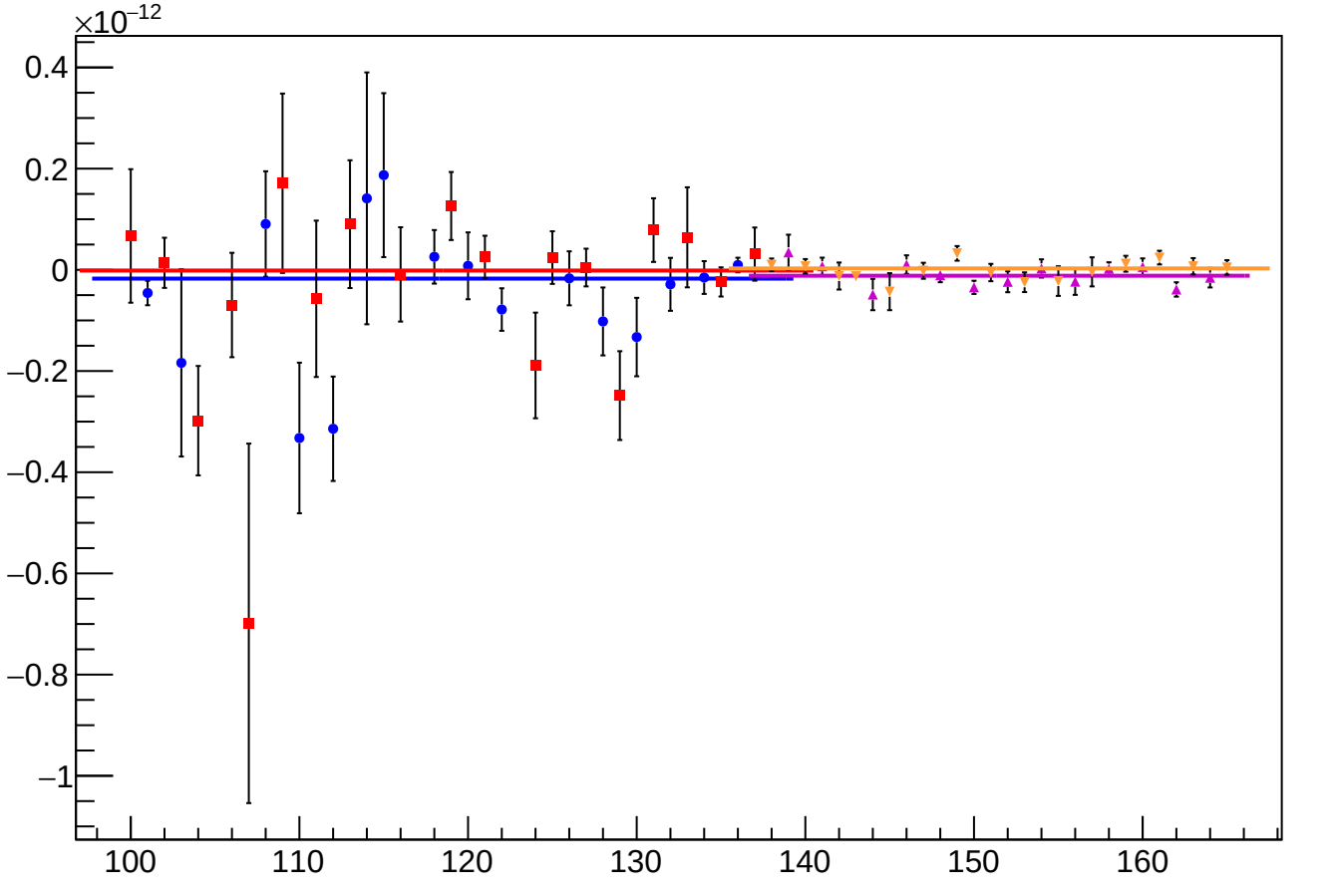
Left: 57.652+/-0.010 χ^2/NDF: 2546547.2/26

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.454+/-0.012 χ^2/NDF:3311242.7/28

Out: 59.975+/-0.012 χ^2/NDF:4902124.7/31

All: 61.209+/-0.008 χ^2/NDF: 8235499.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/12

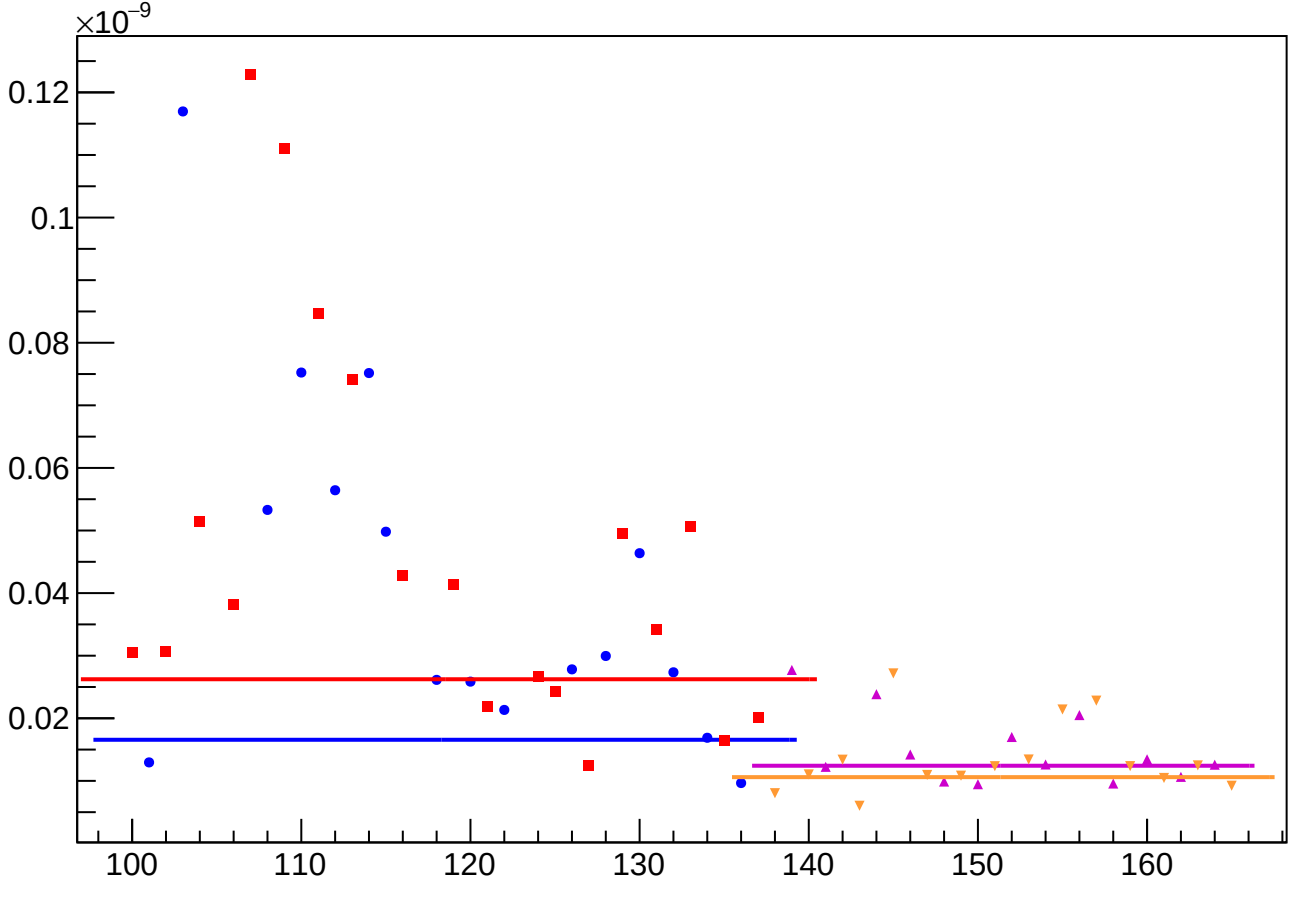
Left: -0.000+/-0.000 χ^2/NDF: 36.5/27

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:44.5/28

Out: 0.000+/-0.000 χ^2/NDF:47.6/33

All: -0.000+/-0.000 χ^2/NDF: 98.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1767401.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1273743.9/12

Left: 0.000+/-0.000 χ^2/NDF: 3208620.5/27

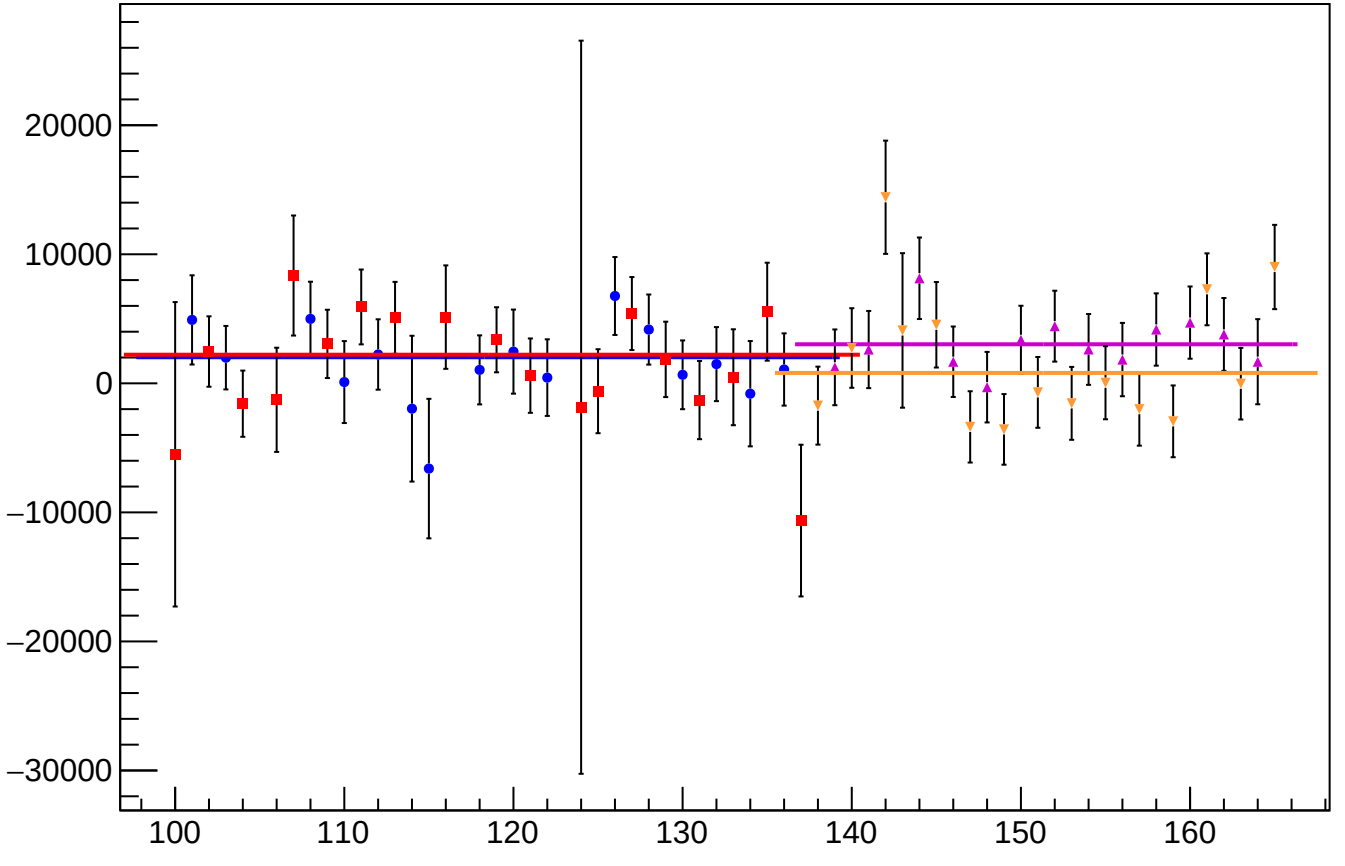
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4377482.6/28

Out: 0.000+/-0.000 χ^2/NDF:6338930.8/33

All: 0.000+/-0.000 χ^2/NDF: 10834768.9/62

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.705+/-780.805 χ^2/NDF:32.8/14

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3026.546+/-790.145 χ^2/NDF:6.0/12

Left: 1903.428+/-555.385 χ^2/NDF: 42.8/27

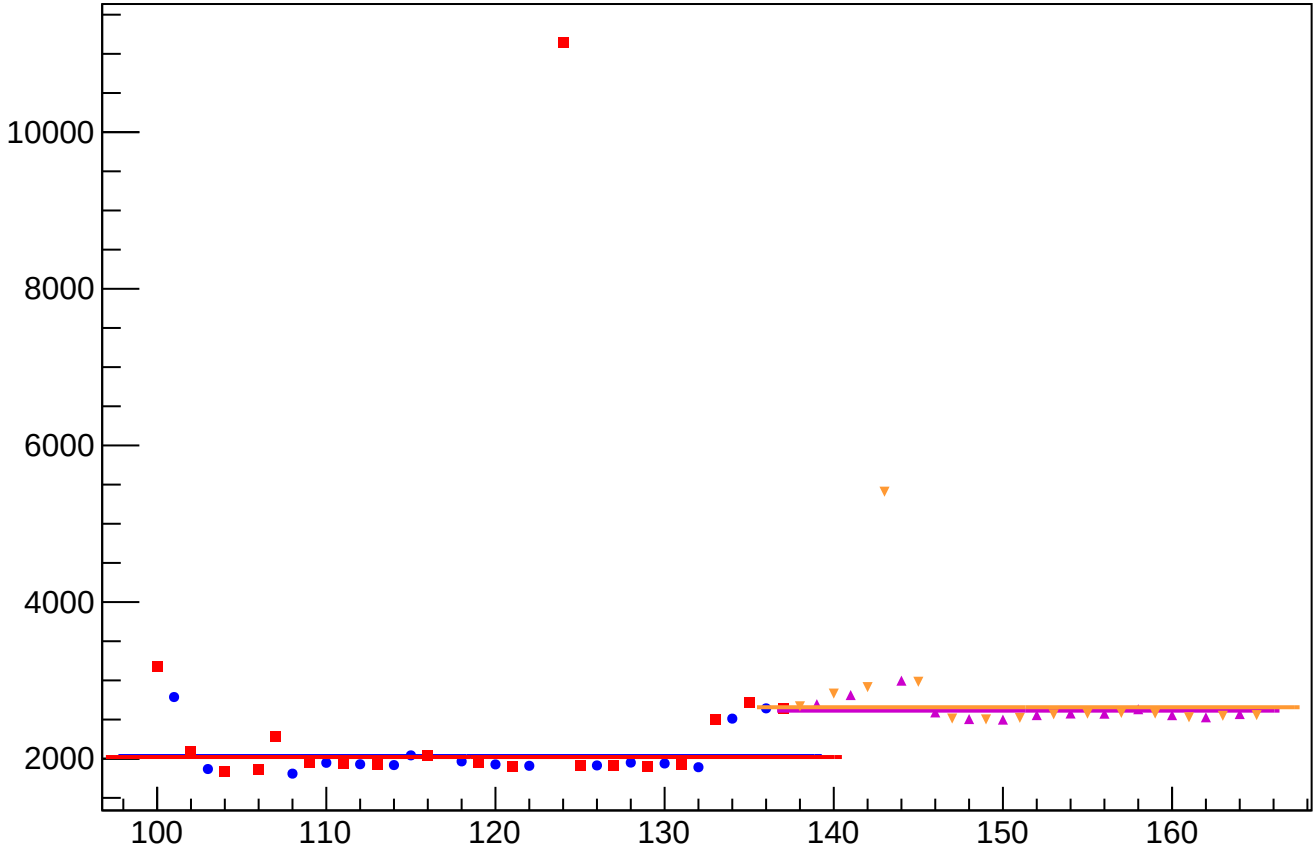
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2507.969+/-549.373 χ^2/NDF:16.4/28

Out: 1534.615+/-543.182 χ^2/NDF:52.6/33

All: 2015.777+/-386.258 χ^2/NDF: 70.7/62

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

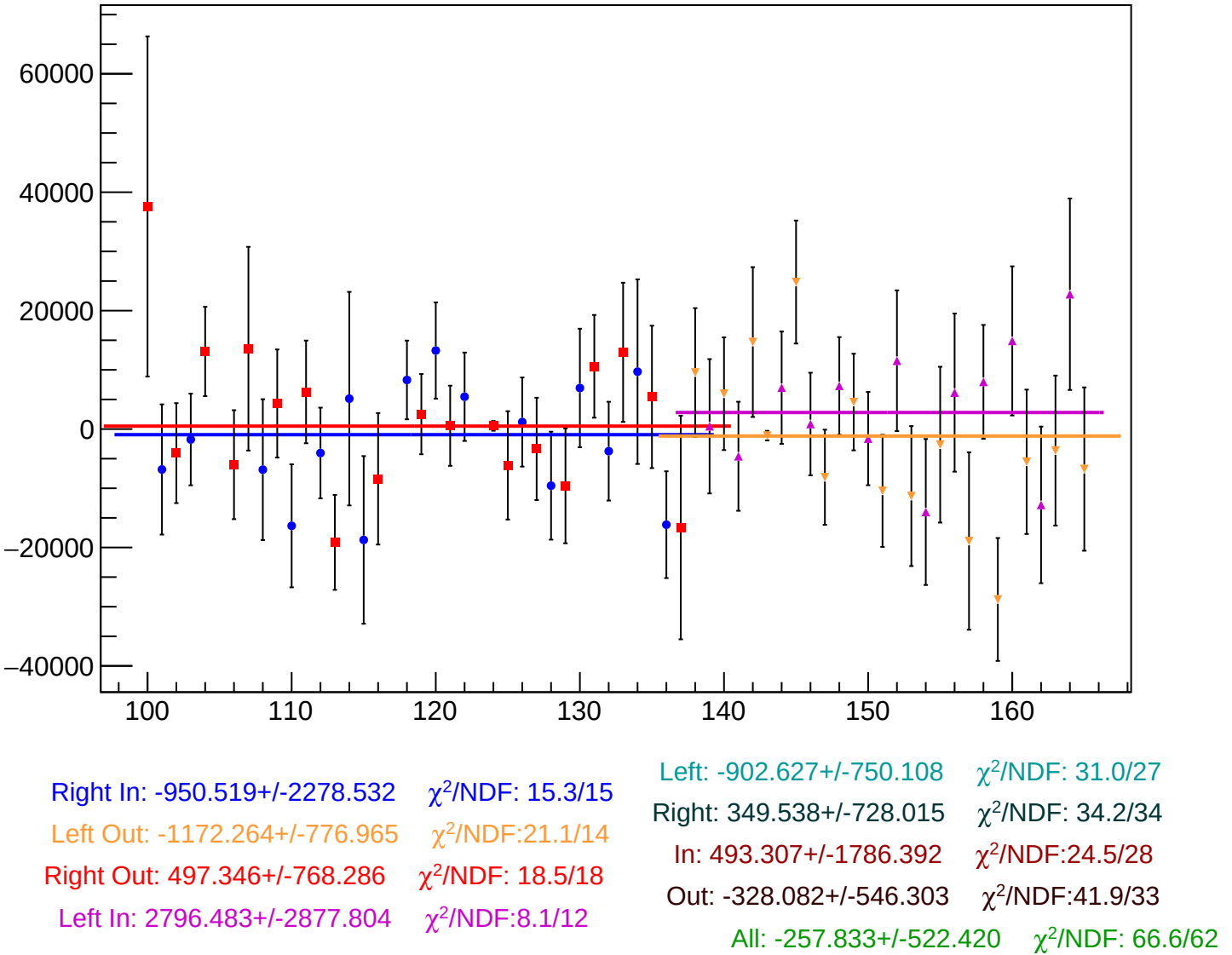
Left: 2635.770+/-0.393 χ^2/NDF: 542486.4/27

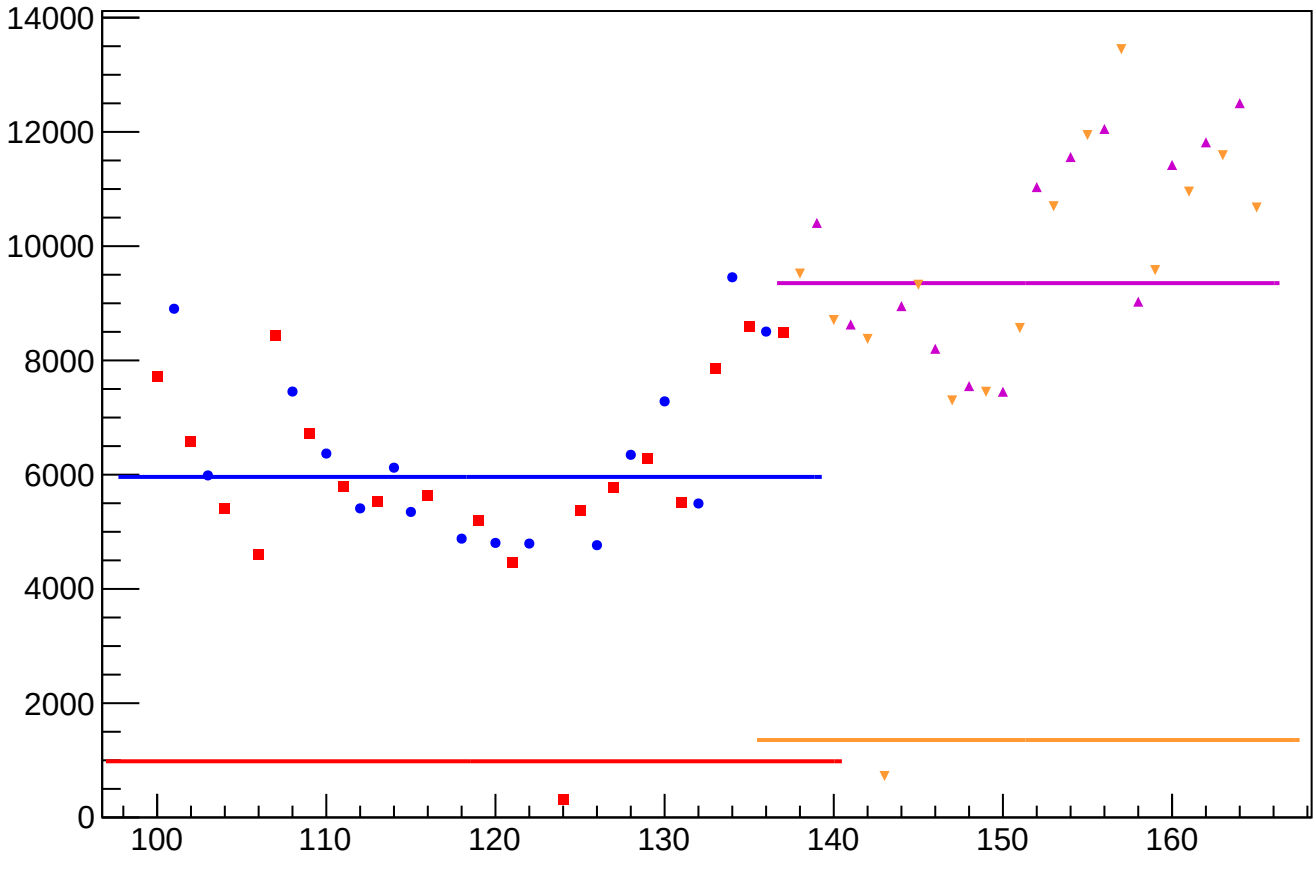
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2314.318+/-0.388 χ^2/NDF:870269.8/28

Out: 2329.232+/-0.384 χ^2/NDF:1562514.7/33

All: 2321.859+/-0.273 χ^2/NDF: 2433529.7/62


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1172.264+/-776.965 χ²/NDF:21.1/14
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2796.483+/-2877.804 χ²/NDF:8.1/12
Left: -902.627+/-750.108 χ²/NDF: 31.0/27
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 493.307+/-1786.392 χ²/NDF:24.5/28
Out: -328.082+/-546.303 χ²/NDF:41.9/33
All: -257.833+/-522.420 χ²/NDF: 66.6/62



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1355.454+/-0.549 χ^2/NDF:17270105.7/14

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9353.015+/-2.035 χ^2/NDF:667877.4/12

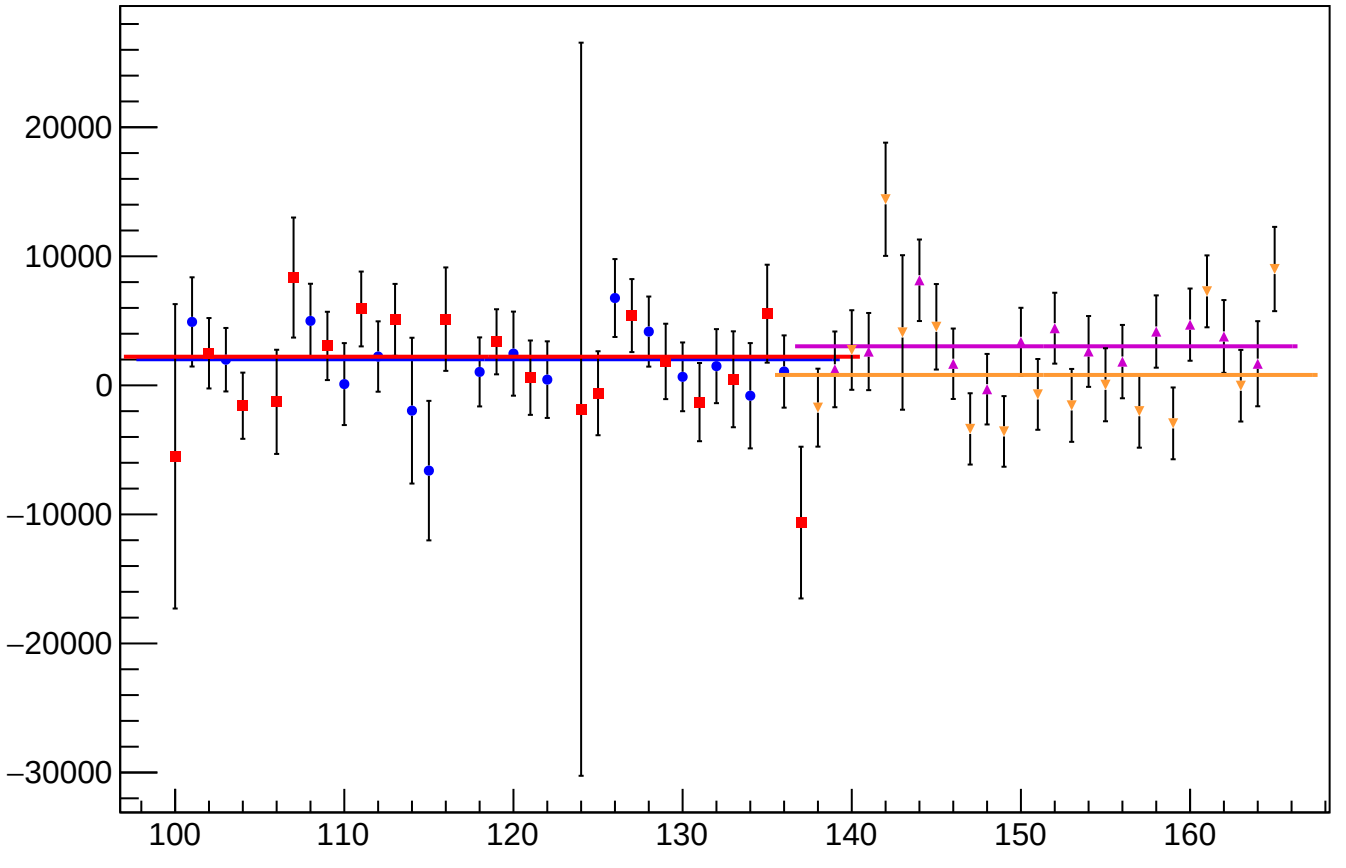
Left: 1898.808+/-0.530 χ^2/NDF: 32334807.7/27

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7267.918+/-1.263 χ^2/NDF:3065260.0/28

Out: 1167.295+/-0.386 χ^2/NDF:28918777.7/33

All: 1689.043+/-0.369 χ^2/NDF: 53314361.8/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.825+/-780.805 χ^2/NDF:32.8/14

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3026.688+/-790.145 χ^2/NDF:6.0/12

Left: 1903.559+/-555.385 χ^2/NDF: 42.8/27

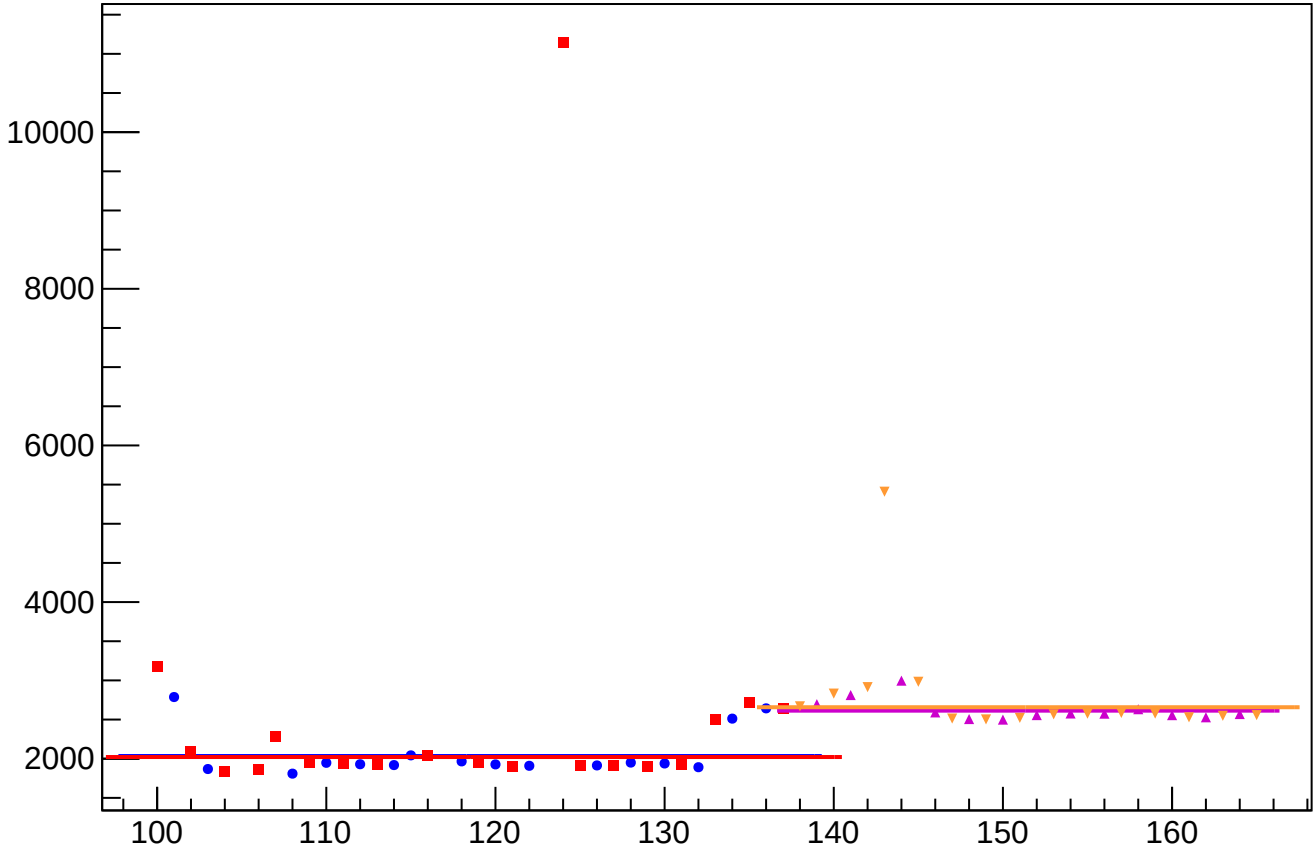
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2508.103+/-549.373 χ^2/NDF:16.4/28

Out: 1535.614+/-543.185 χ^2/NDF:52.7/33

All: 2016.351+/-386.259 χ^2/NDF: 70.7/62

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

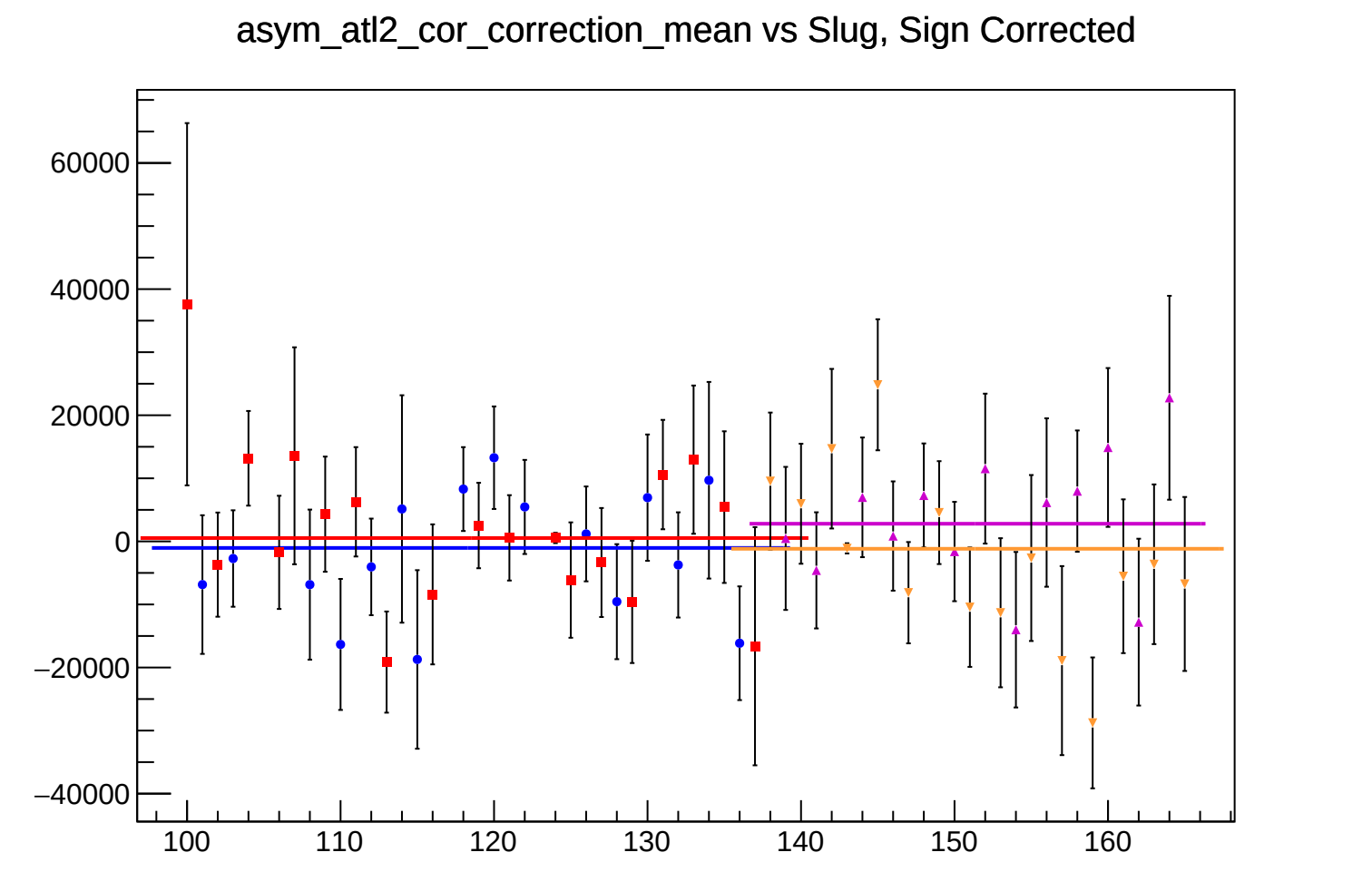
Left: 2635.770+/-0.393 χ^2/NDF: 542486.4/27

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.318+/-0.388 χ^2/NDF:870269.9/28

Out: 2329.246+/-0.384 χ^2/NDF:1562473.4/33

All: 2321.867+/-0.273 χ^2/NDF: 2433490.0/62



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1172.012+/-776.896 χ^2/NDF:21.1/14

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2796.648+/-2877.801 χ^2/NDF:8.1/12

Left: -902.426+/-750.045 χ^2/NDF: 31.0/27

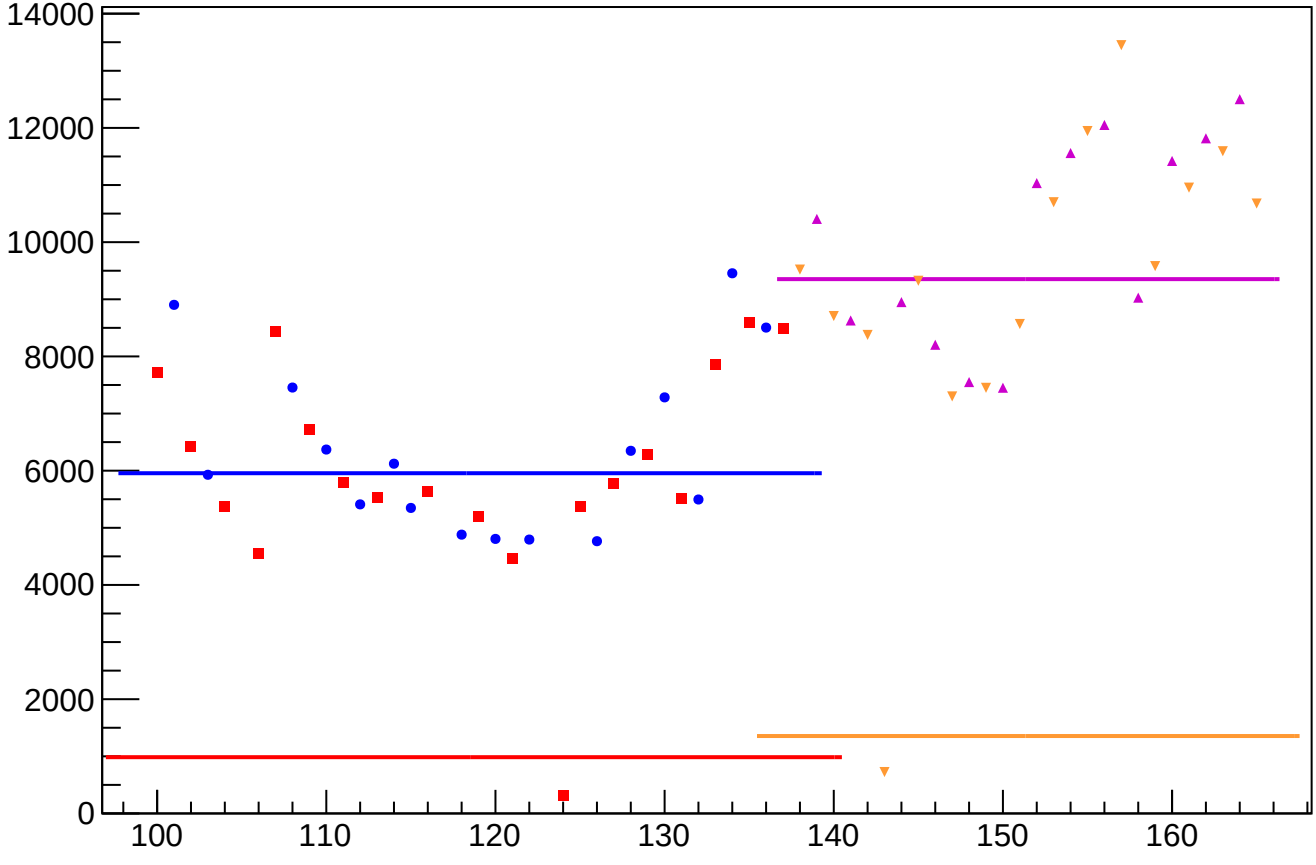
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 437.761+/-1785.257 χ^2/NDF:24.6/28

Out: -310.812+/-546.157 χ^2/NDF:41.6/33

All: -246.749+/-522.264 χ^2/NDF: 66.4/62

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1355.277+/-0.549 χ^2/NDF:17270603.6/14

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

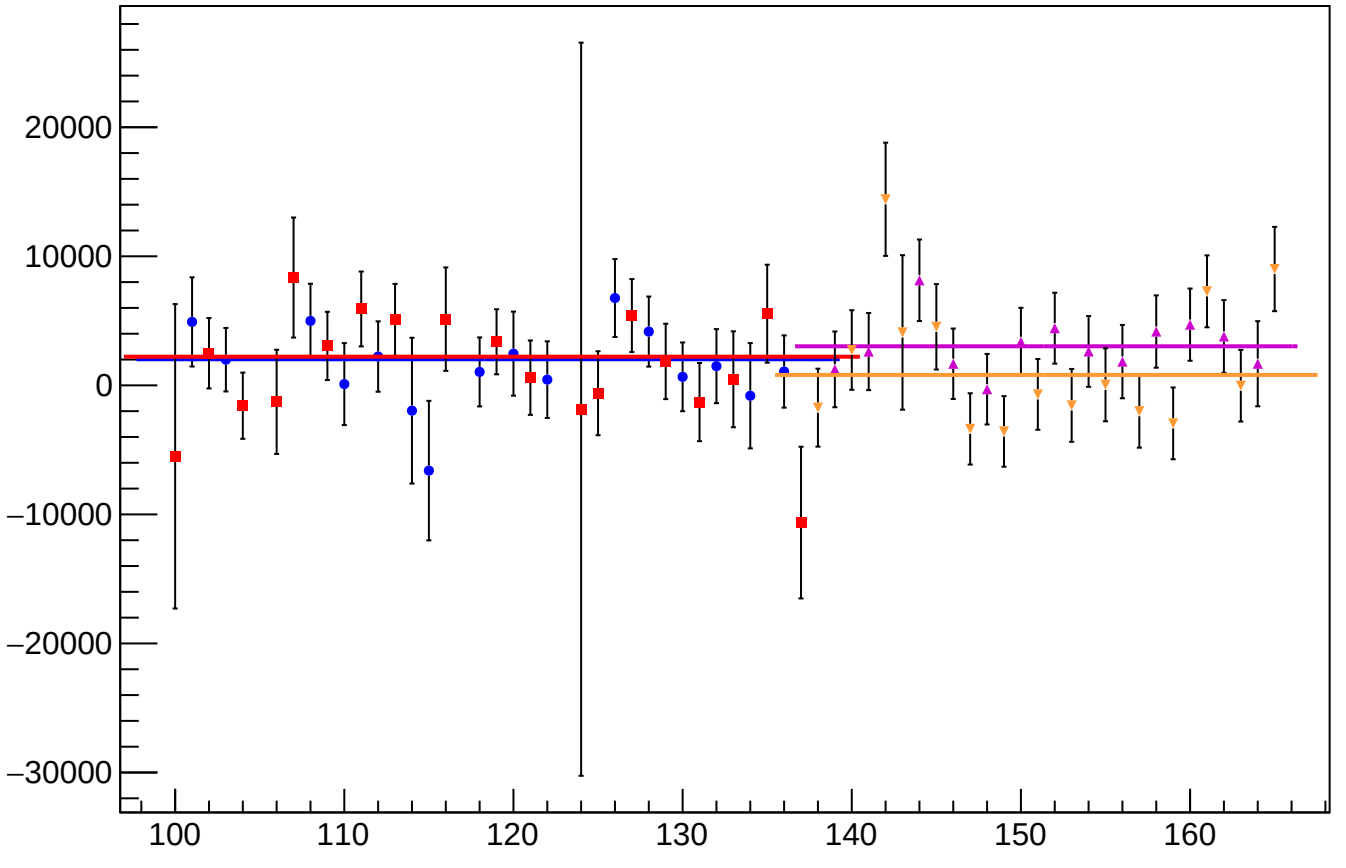
Left: 1898.552+/-0.530 χ^2/NDF: 32336114.0/27

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7263.081+/-1.262 χ^2/NDF:3071699.2/28

Out: 1168.016+/-0.386 χ^2/NDF:28913181.4/33

All: 1689.639+/-0.369 χ^2/NDF: 53302080.0/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.825+/-780.805 χ^2/NDF:32.8/14

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3026.688+/-790.145 χ^2/NDF:6.0/12

Left: 1903.559+/-555.385 χ^2/NDF: 42.8/27

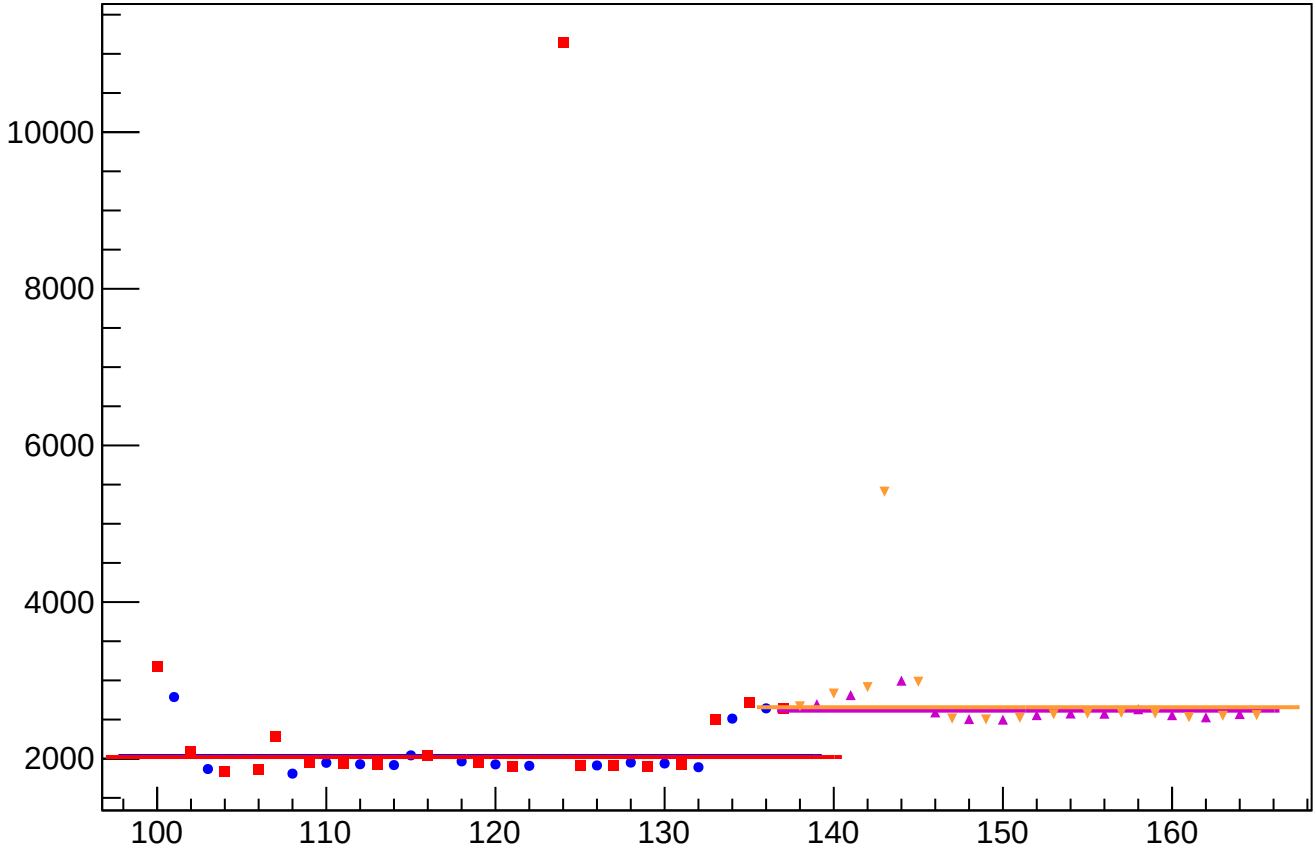
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2508.103+/-549.373 χ^2/NDF:16.4/28

Out: 1535.614+/-543.185 χ^2/NDF:52.7/33

All: 2016.351+/-386.259 χ^2/NDF: 70.7/62

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

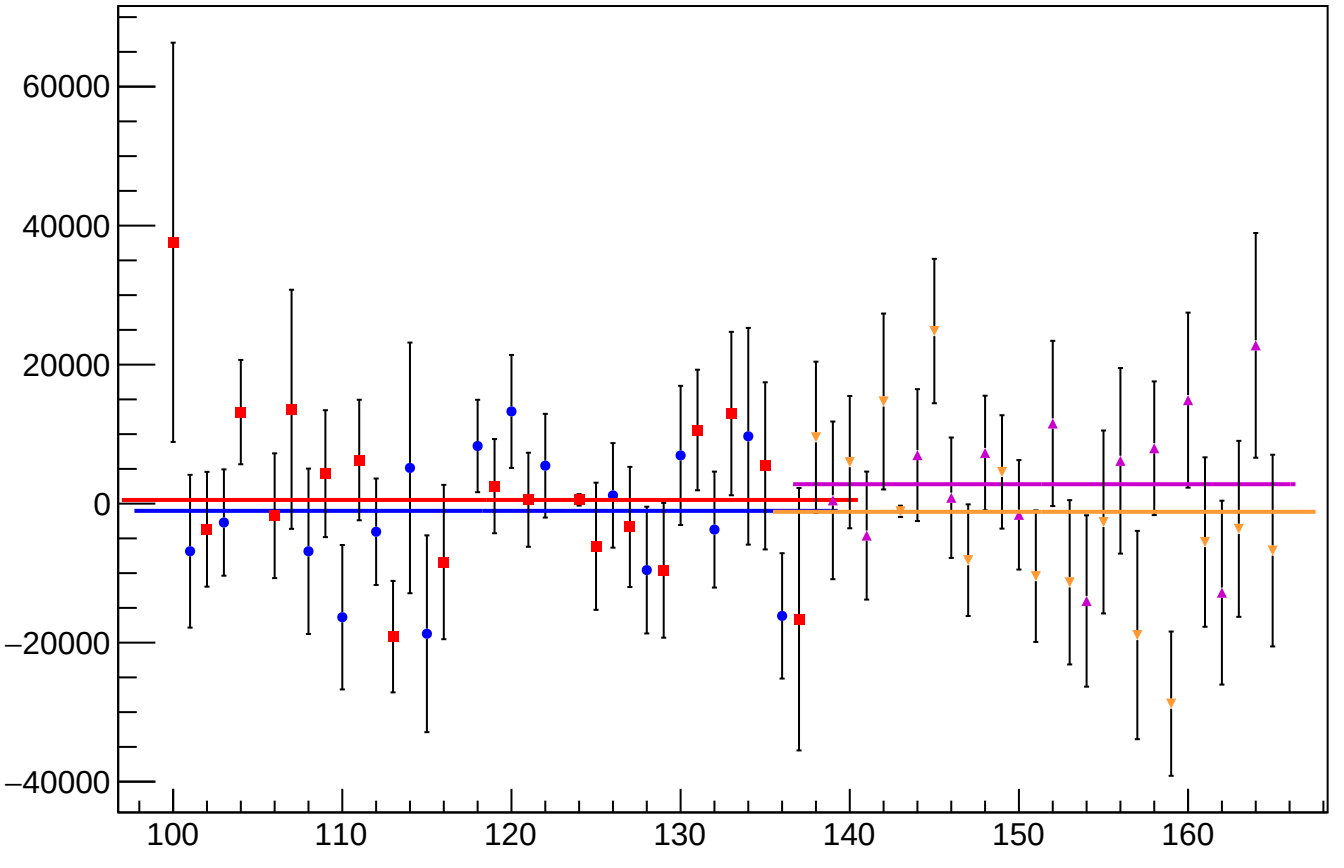
Left: 2635.770+/-0.393 χ^2/NDF: 542486.4/27

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.318+/-0.388 χ^2/NDF:870269.9/28

Out: 2329.246+/-0.384 χ^2/NDF:1562473.4/33

All: 2321.867+/-0.273 χ^2/NDF: 2433490.0/62



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1172.012+/-776.896 χ^2/NDF:21.1/14

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2796.648+/-2877.801 χ^2/NDF:8.1/12

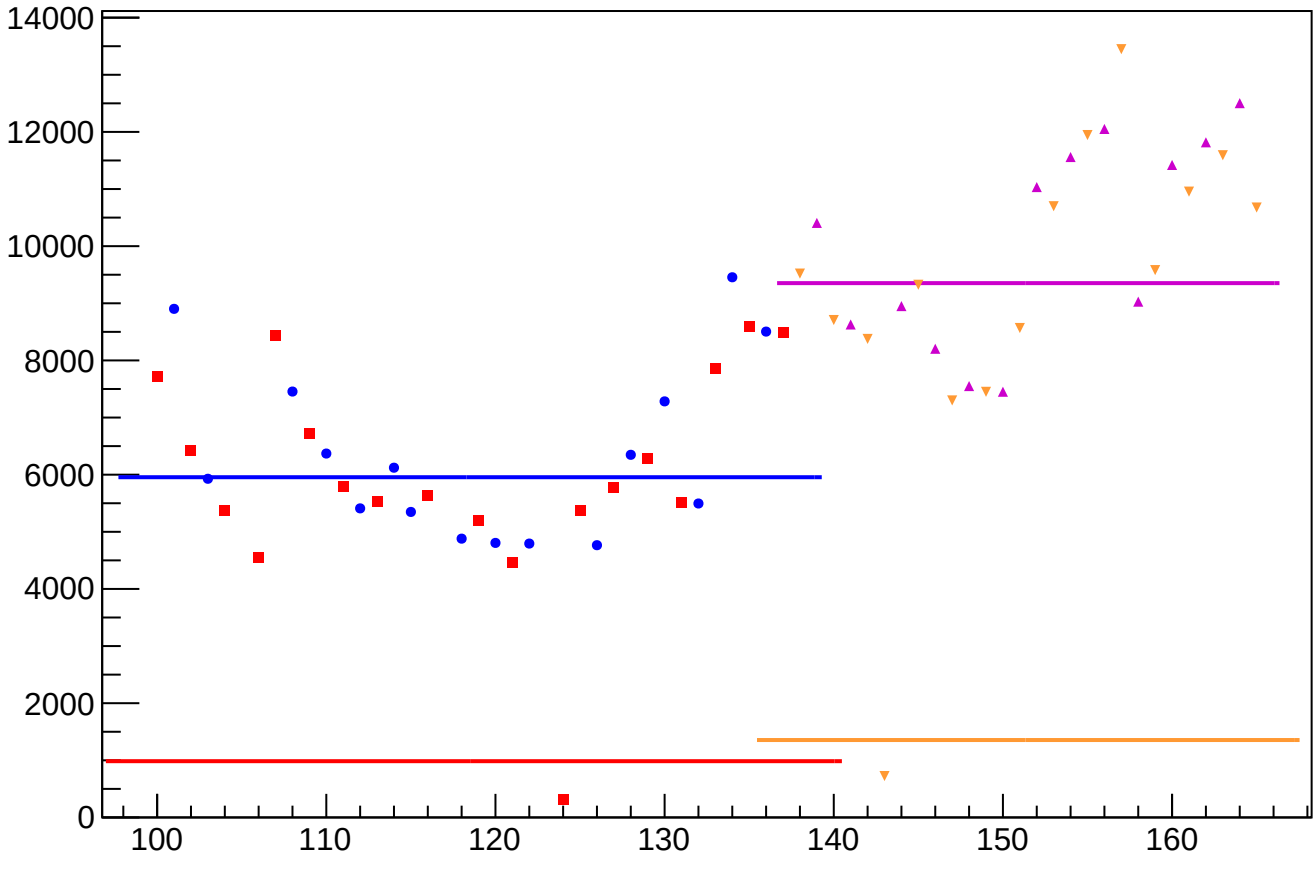
Left: -902.426+/-750.045 χ^2/NDF: 31.0/27

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 437.761+/-1785.257 χ^2/NDF:24.6/28

Out: -310.812+/-546.157 χ^2/NDF:41.6/33

All: -246.749+/-522.264 χ^2/NDF: 66.4/62



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1355.277+/-0.549 χ^2/NDF:17270603.6/14

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

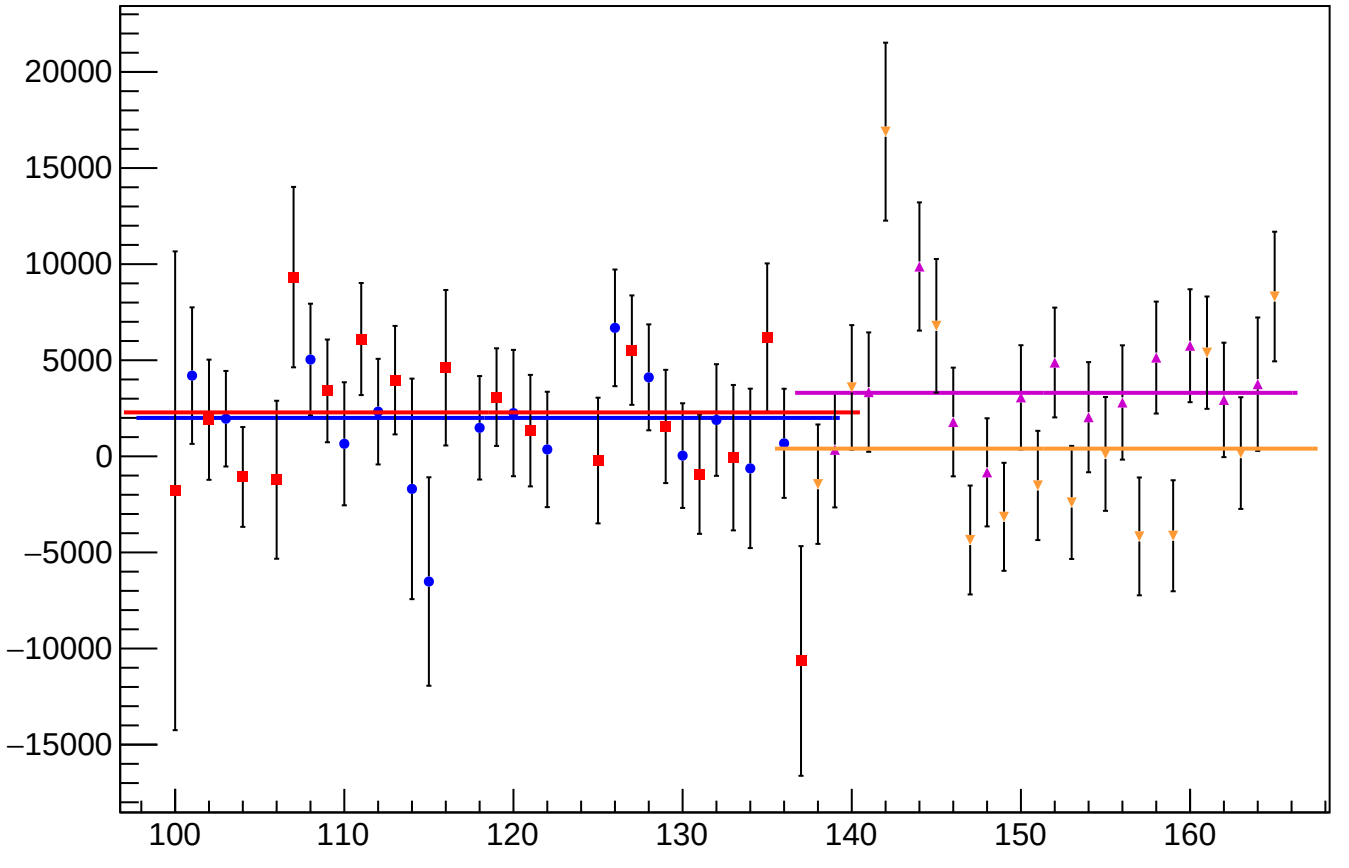
Left: 1898.552+/-0.530 χ^2/NDF: 32336114.0/27

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7263.081+/-1.262 χ^2/NDF:3071699.2/28

Out: 1168.016+/-0.386 χ^2/NDF:28913181.4/33

All: 1689.639+/-0.369 χ^2/NDF: 53302080.0/6



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 400.882+/-821.351 χ^2/NDF:36.3/13

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3303.988+/-822.323 χ^2/NDF:9.0/12

Left: 1850.719+/-581.126 χ^2/NDF: 51.5/26

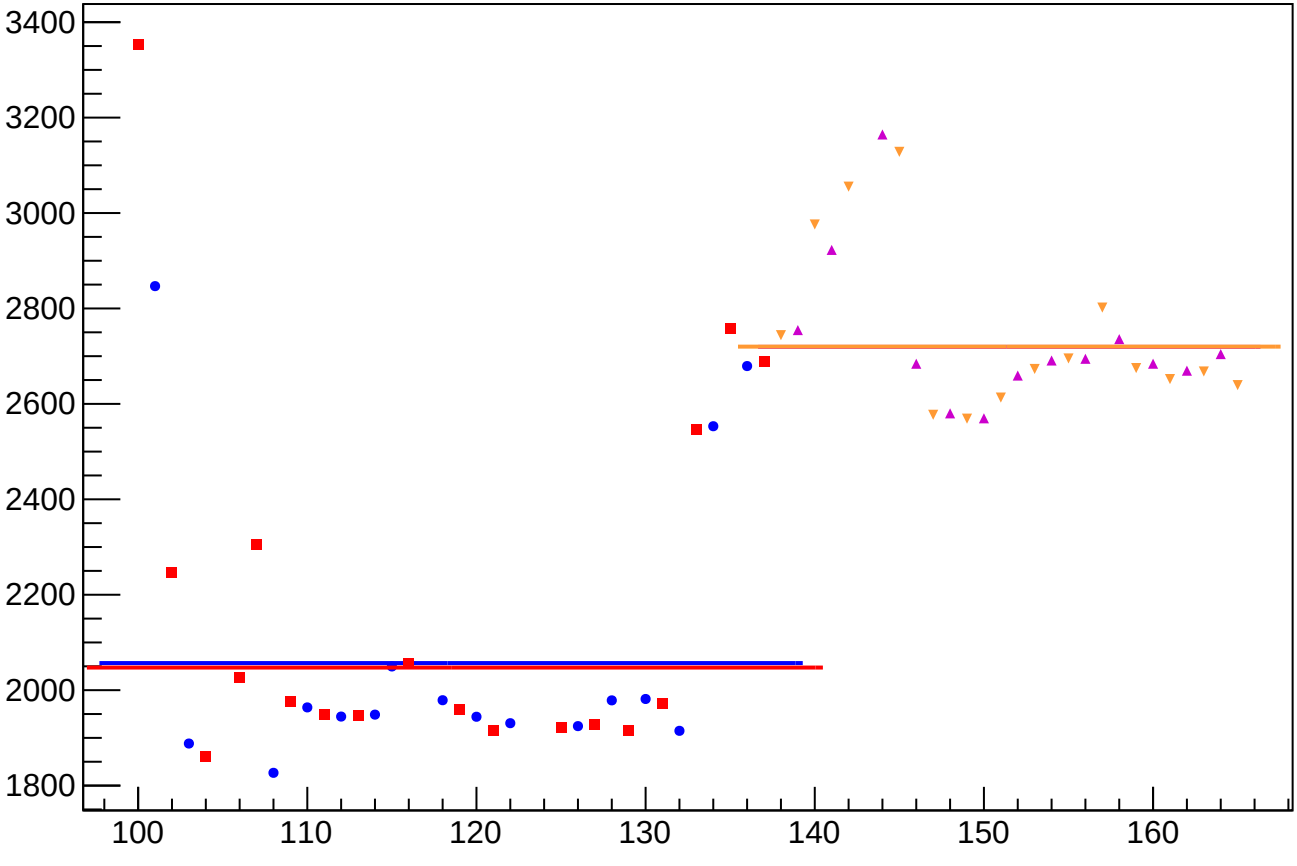
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2611.751+/-563.431 χ^2/NDF:19.3/28

Out: 1402.573+/-562.253 χ^2/NDF:55.7/31

All: 2005.896+/-397.989 χ^2/NDF: 77.3/60

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2720.008+/-0.581 χ^2/NDF:69757.0/13

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2719.441+/-0.581 χ^2/NDF:57940.2/12

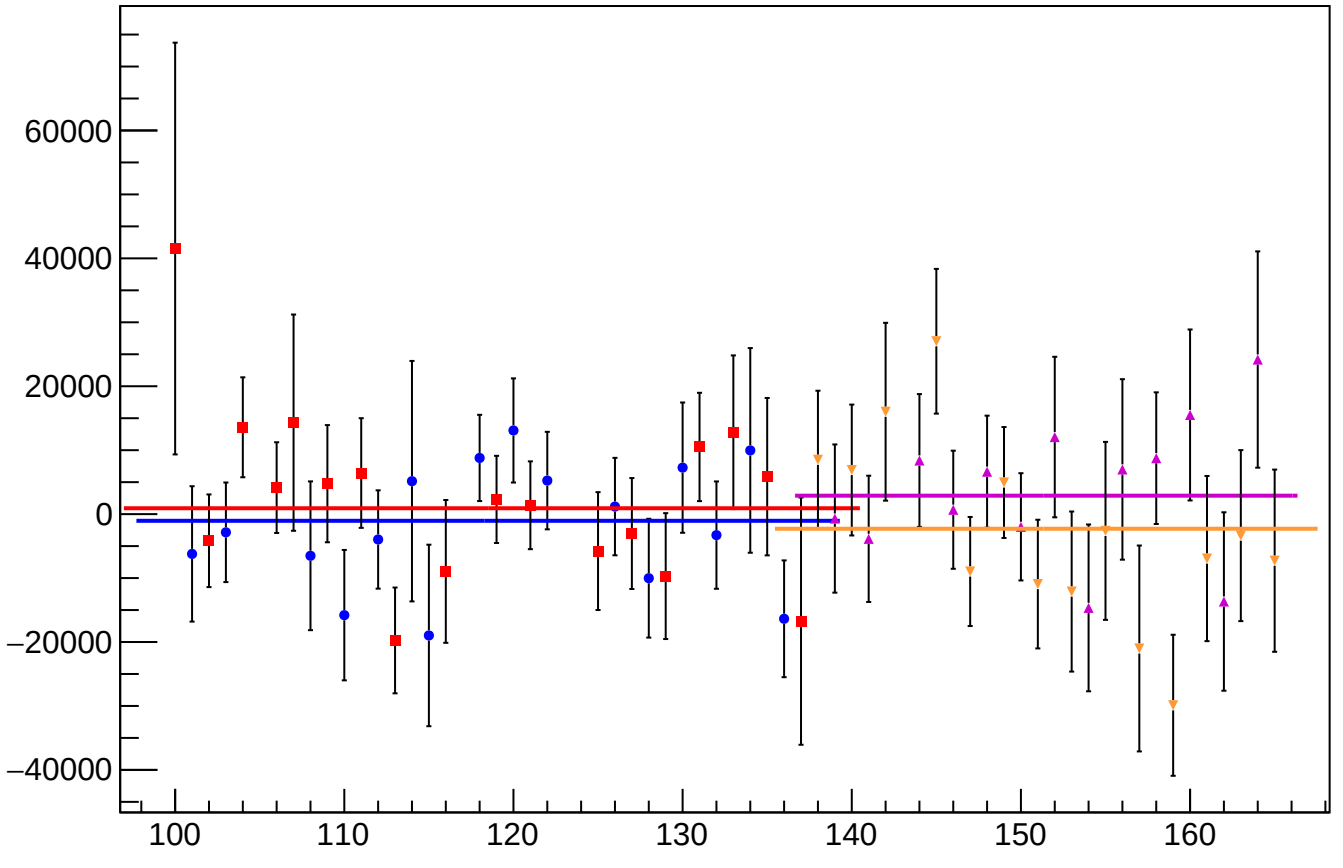
Left: 2719.725+/-0.411 χ^2/NDF: 127697.7/26

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2367.880+/-0.398 χ^2/NDF:1017406.3/28

Out: 2362.081+/-0.397 χ^2/NDF:980002.4/31

All: 2364.972+/-0.281 χ^2/NDF: 1997515.0/60



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2283.755+/-3040.681 χ^2/NDF:20.8/13

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2886.485+/-3059.022 χ^2/NDF:8.1/12

Left: 285.818+/-2156.542 χ^2/NDF: 30.3/26

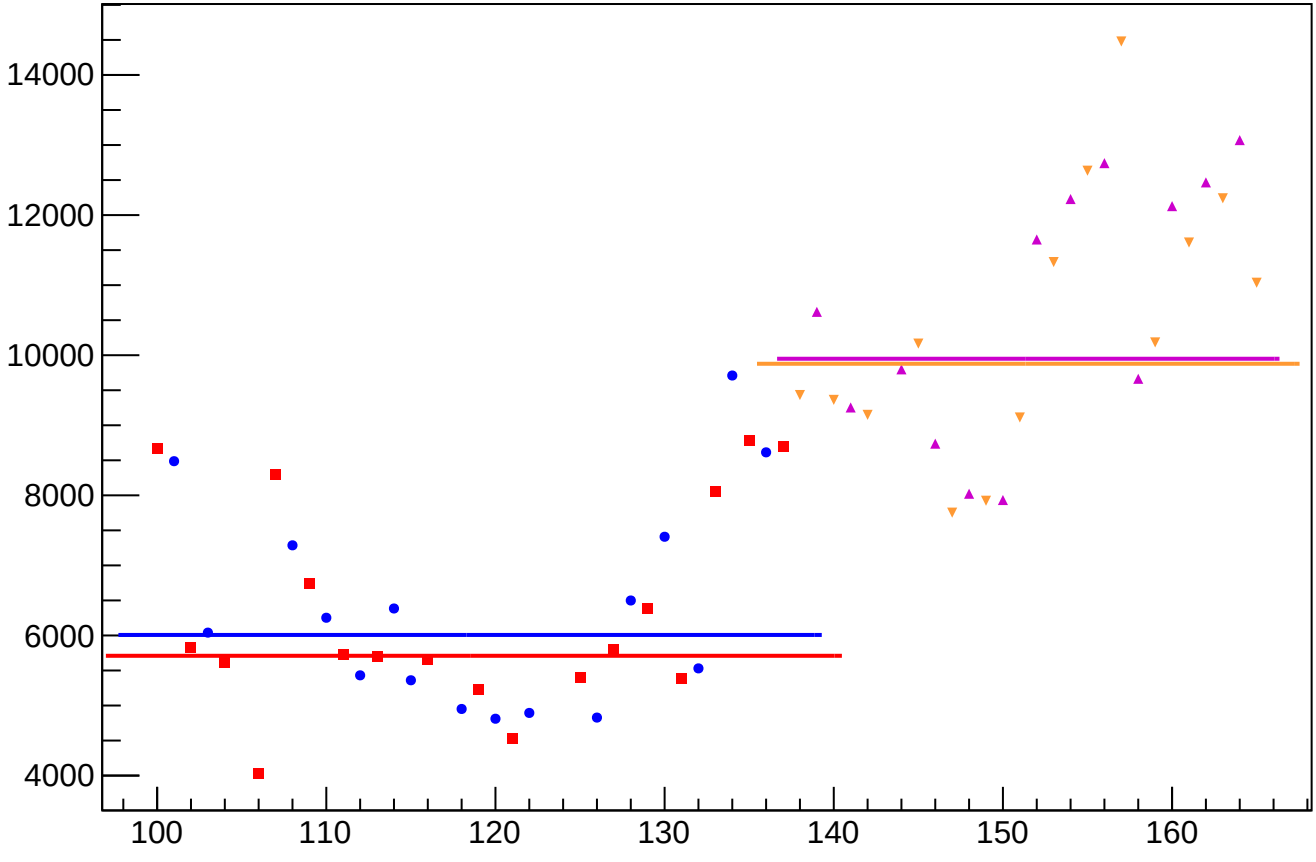
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 372.193+/-1835.587 χ^2/NDF:24.4/28

Out: -148.679+/-1755.978 χ^2/NDF:39.9/31

All: 100.217+/-1268.875 χ^2/NDF: 64.4/60

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9877.919+/-2.150 χ^2/NDF:634278.0/13

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9949.631+/-2.163 χ^2/NDF:627819.3/12

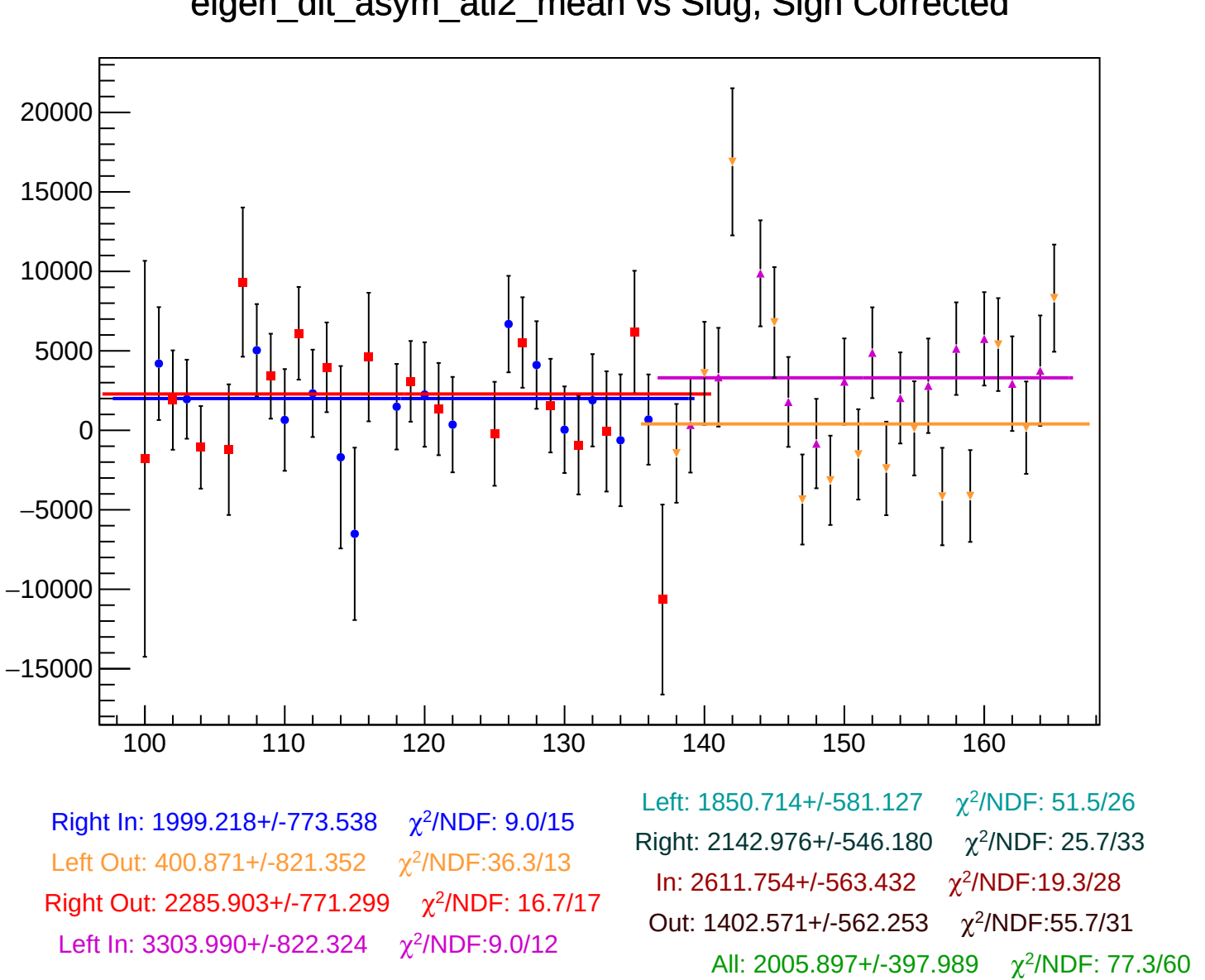
Left: 9913.559+/-1.525 χ^2/NDF: 1262650.2/26

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

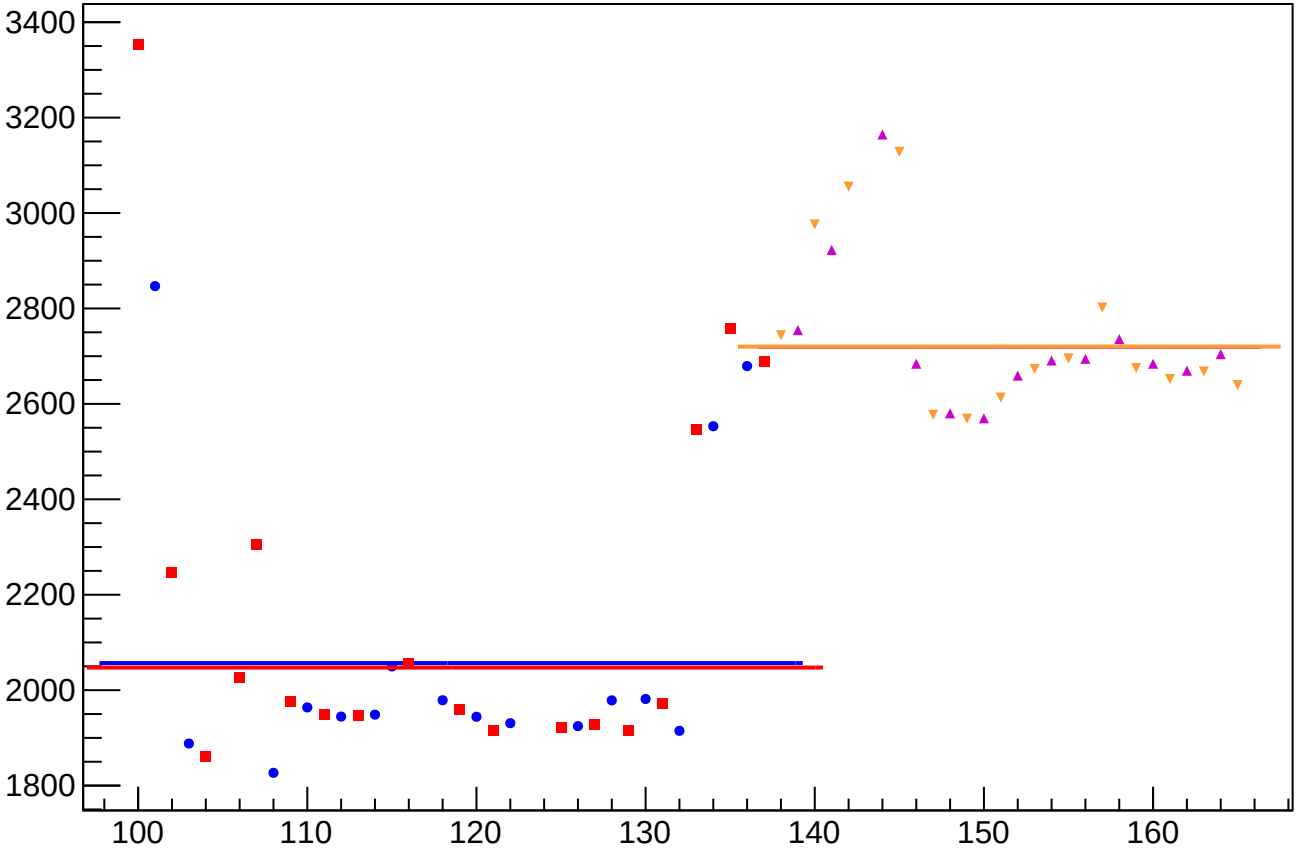
In: 7426.888+/-1.298 χ^2/NDF:3407394.1/28

Out: 7099.938+/-1.242 χ^2/NDF:3674853.1/31

All: 7256.170+/-0.897 χ^2/NDF: 7115378.9/60


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 400.871+/-821.352 χ²/NDF:36.3/13
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3303.990+/-822.324 χ²/NDF:9.0/12
Left: 1850.714+/-581.127 χ²/NDF: 51.5/26
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2611.754+/-563.432 χ²/NDF:19.3/28
Out: 1402.571+/-562.253 χ²/NDF:55.7/31
All: 2005.897+/-397.989 χ²/NDF: 77.3/60

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2720.011+/-0.581 χ^2/NDF:69758.2/13

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2719.444+/-0.581 χ^2/NDF:57940.7/12

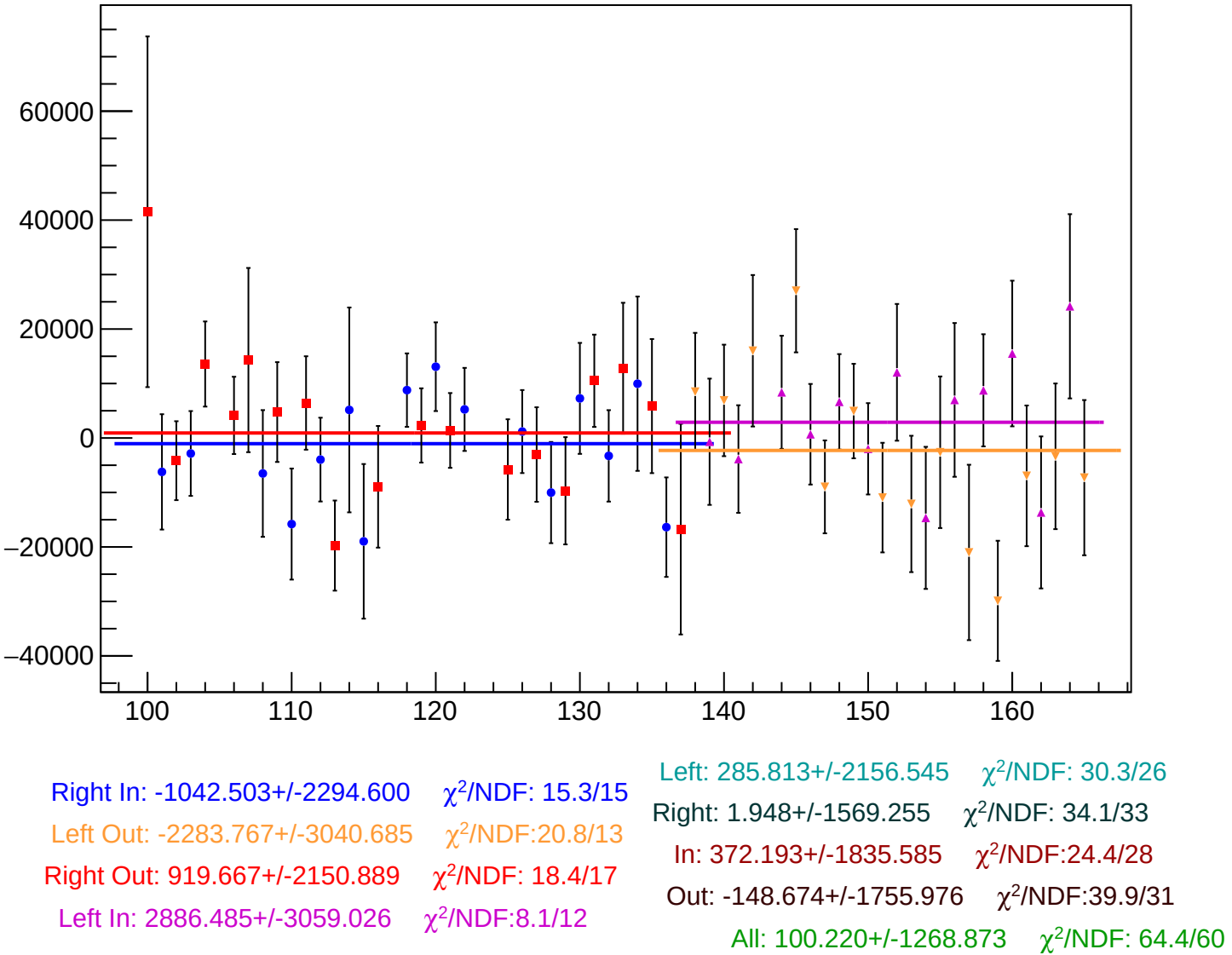
Left: 2719.728+/-0.411 χ^2/NDF: 127699.4/26

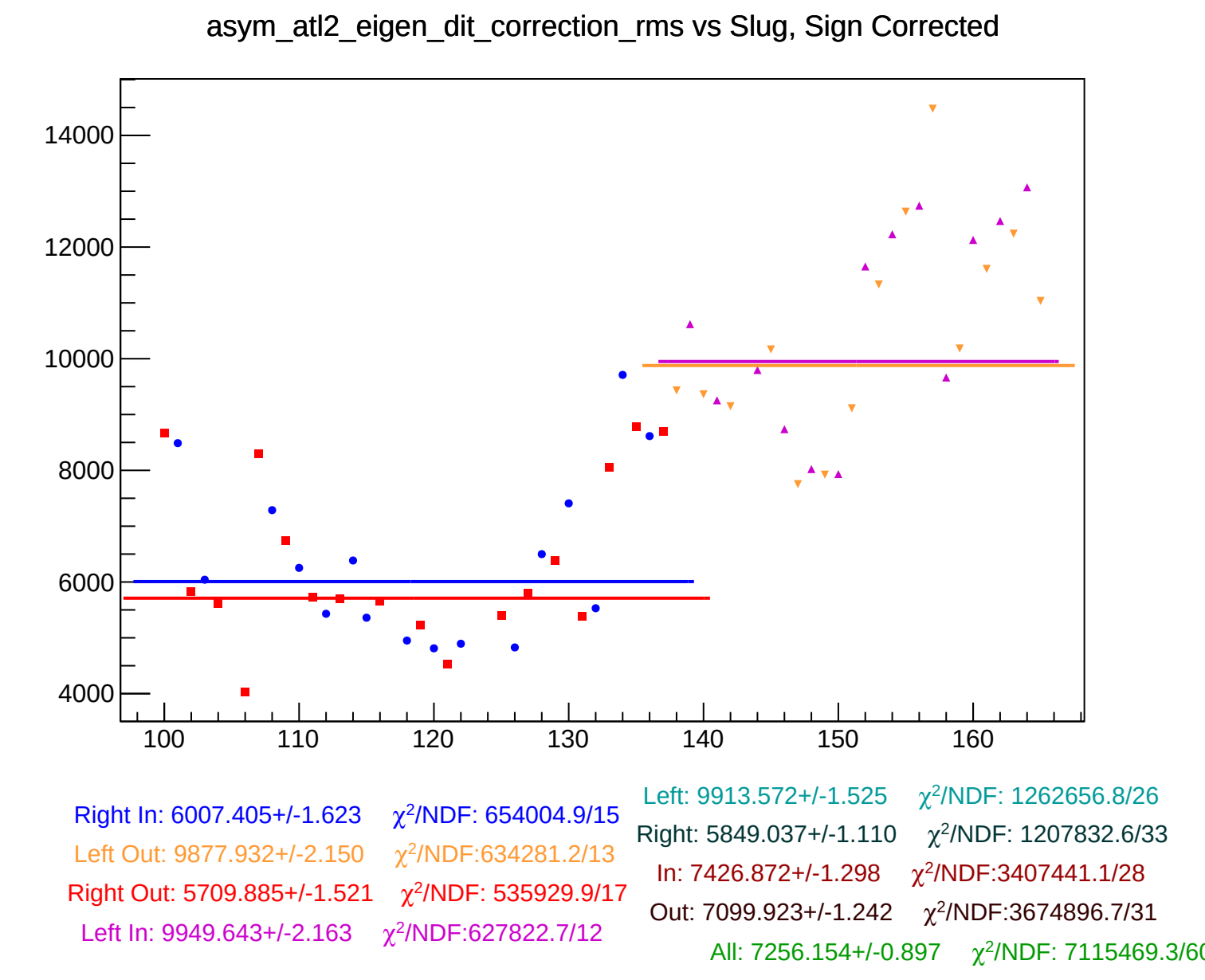
Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2367.881+/-0.398 χ^2/NDF:1017412.1/28

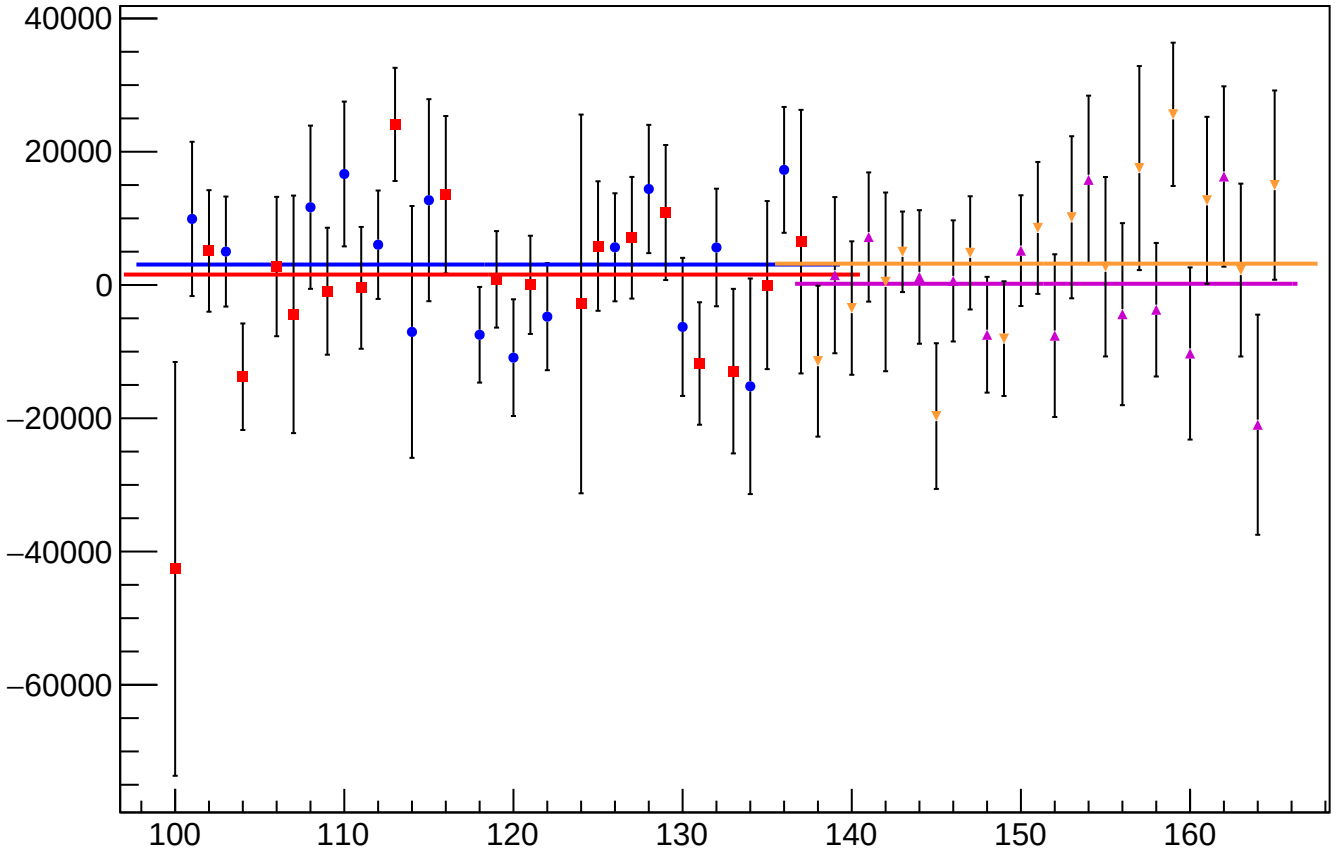
Out: 2362.082+/-0.397 χ^2/NDF:980009.9/31

All: 2364.973+/-0.281 χ^2/NDF: 1997528.3/60


asym_atl2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1042.503+/-2294.600 χ²/NDF: 15.3/15
Left Out: -2283.767+/-3040.685 χ²/NDF:20.8/13
Right Out: 919.667+/-2150.889 χ²/NDF: 18.4/17
Left In: 2886.485+/-3059.026 χ²/NDF:8.1/12
Left: 285.813+/-2156.545 χ²/NDF: 30.3/26
Right: 1.948+/-1569.255 χ²/NDF: 34.1/33
In: 372.193+/-1835.585 χ²/NDF:24.4/28
Out: -148.674+/-1755.976 χ²/NDF:39.9/31
All: 100.220+/-1268.873 χ²/NDF: 64.4/60


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9877.932+/-2.150 χ²/NDF:634281.2/13
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9949.643+/-2.163 χ²/NDF:627822.7/12
Left: 9913.572+/-1.525 χ²/NDF: 1262656.8/26
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7426.872+/-1.298 χ²/NDF:3407441.1/28
Out: 7099.923+/-1.242 χ²/NDF:3674896.7/31
All: 7256.154+/-0.897 χ²/NDF: 7115469.3/60

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 3200.016+/-2681.287 χ^2/NDF:15.5/14

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 185.816+/-3000.099 χ^2/NDF:7.6/12

Left: 1861.527+/-1999.203 χ^2/NDF: 23.6/27

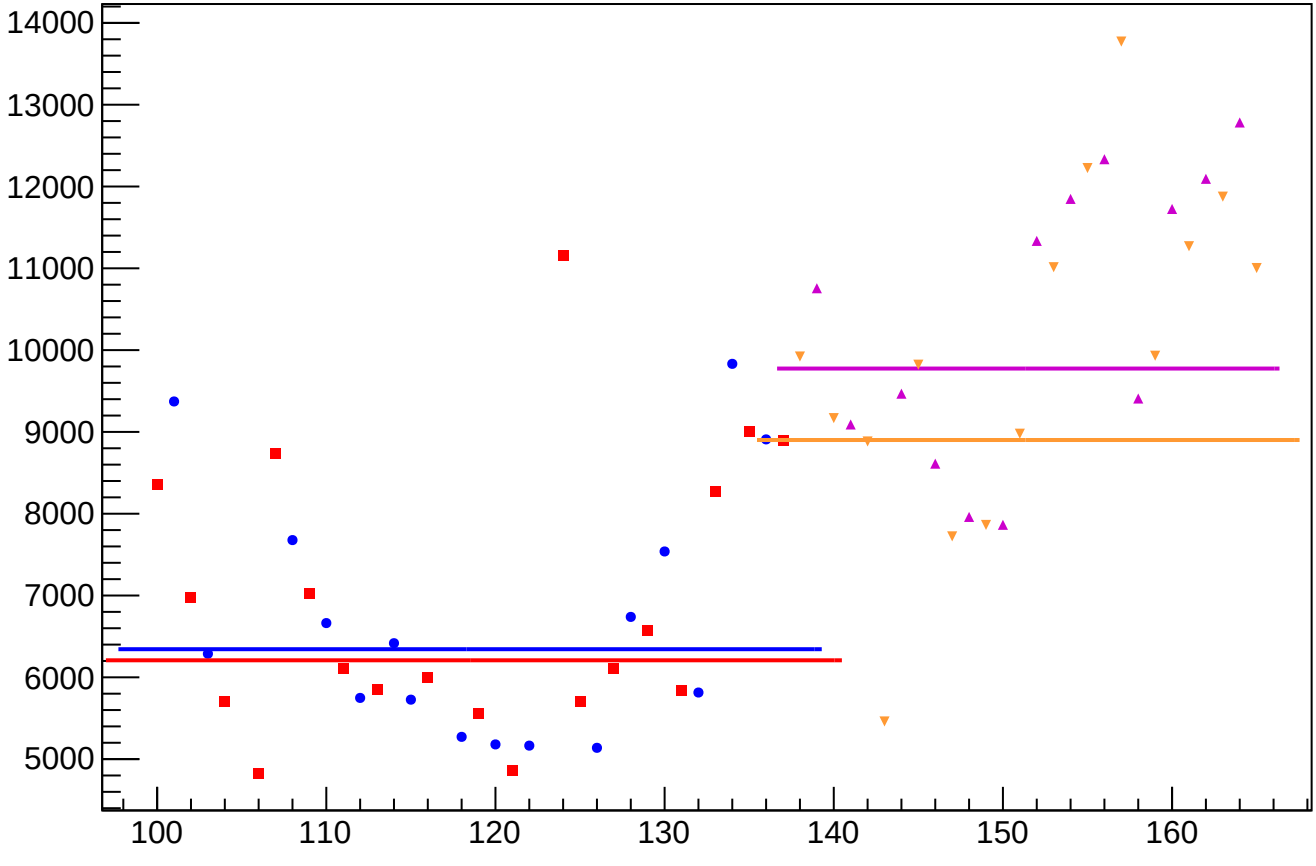
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1932.866+/-1883.926 χ^2/NDF:23.0/28

Out: 2271.664+/-1761.262 χ^2/NDF:34.9/33

All: 2113.653+/-1286.581 χ^2/NDF: 57.9/62

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8901.073+/-1.896 χ^2/NDF:1371299.9/14

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9774.636+/-2.121 χ^2/NDF:581489.3/12

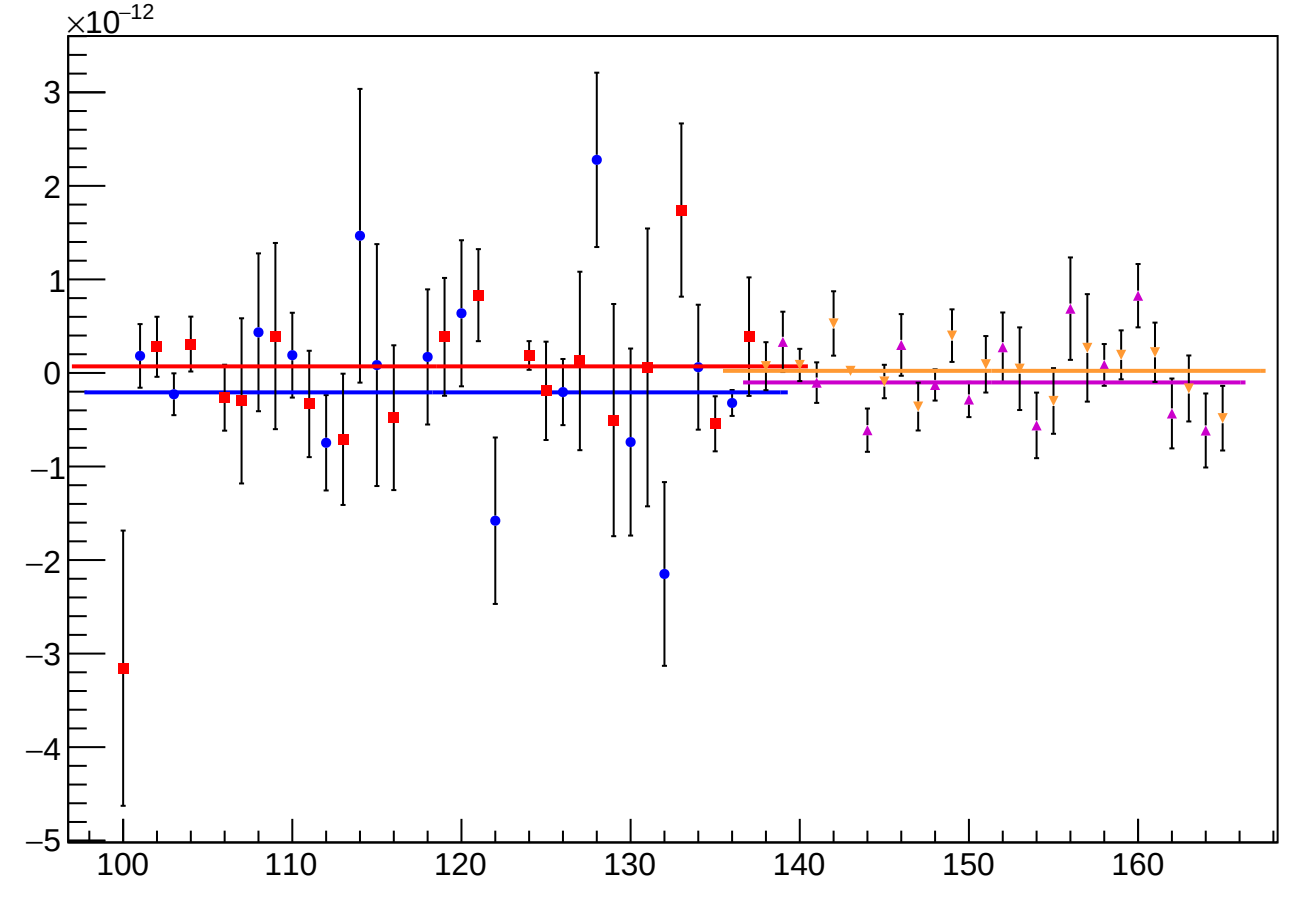
Left: 9288.988+/-1.414 χ^2/NDF: 2047059.3/27

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7696.666+/-1.332 χ^2/NDF:2786887.4/28

Out: 7370.061+/-1.245 χ^2/NDF:2990115.8/33

All: 7522.386+/-0.910 χ^2/NDF: 5809078.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/12

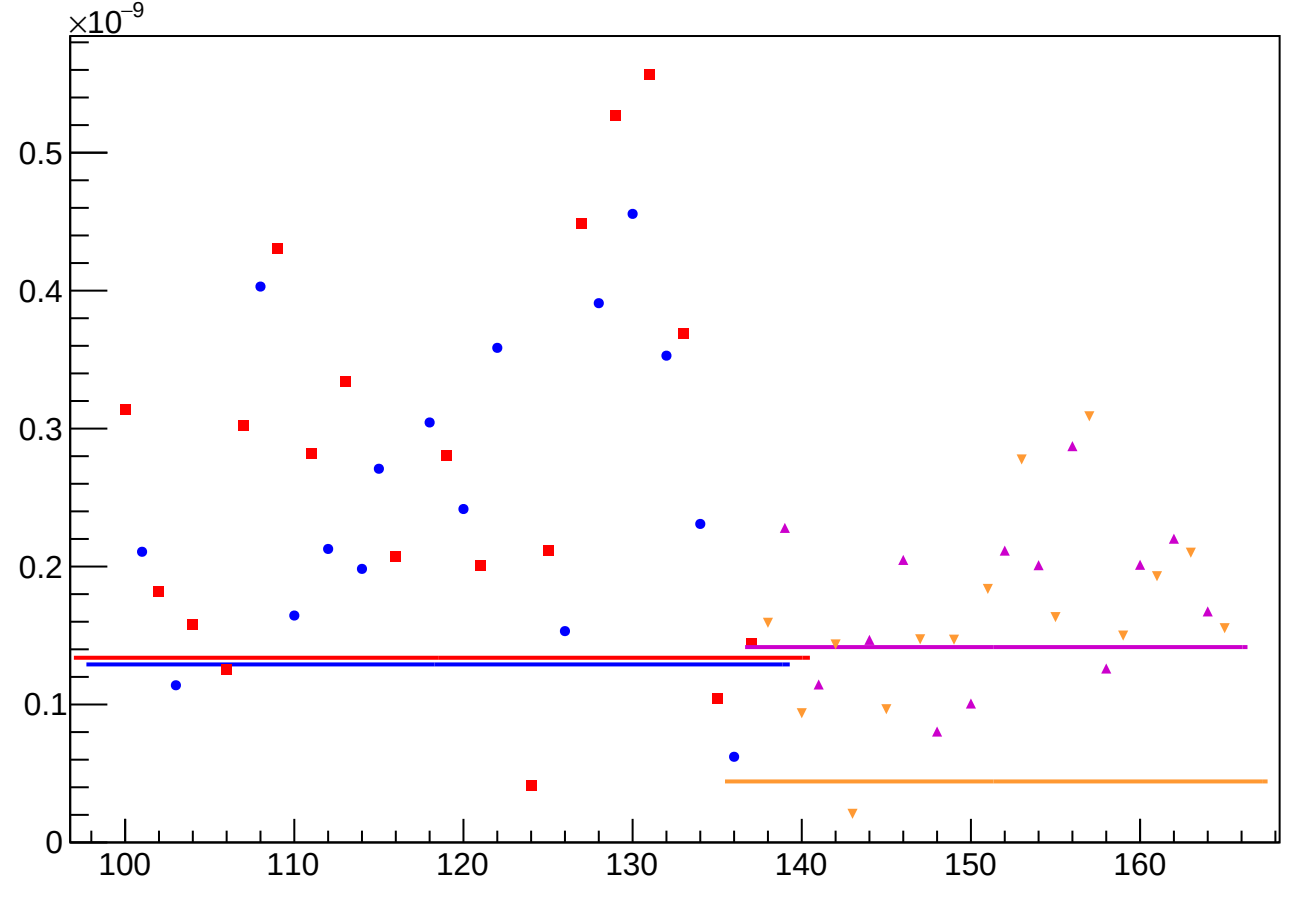
Left: 0.000+/-0.000 χ^2/NDF: 38.1/27

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:46.3/28

Out: 0.000+/-0.000 χ^2/NDF:32.2/33

All: -0.000+/-0.000 χ^2/NDF: 85.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5424574.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1051411.5/12

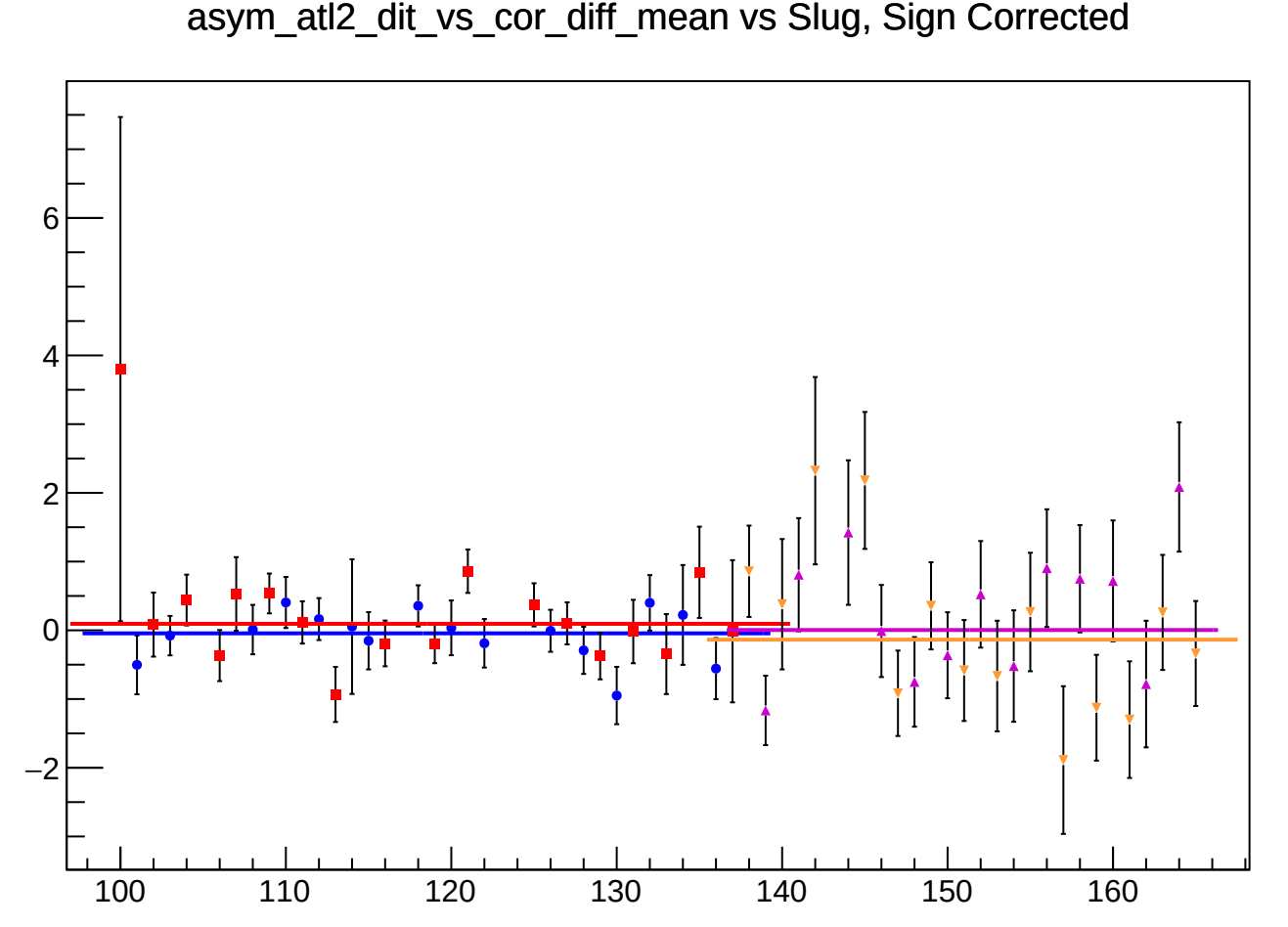
Left: 0.000+/-0.000 χ^2/NDF: 9411407.0/27

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2793509.3/28

Out: 0.000+/-0.000 χ^2/NDF:9306840.1/33

All: 0.000+/-0.000 χ^2/NDF: 15338624.5/62



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

Left: -0.064+/-0.149 χ^2/NDF: 40.1/26

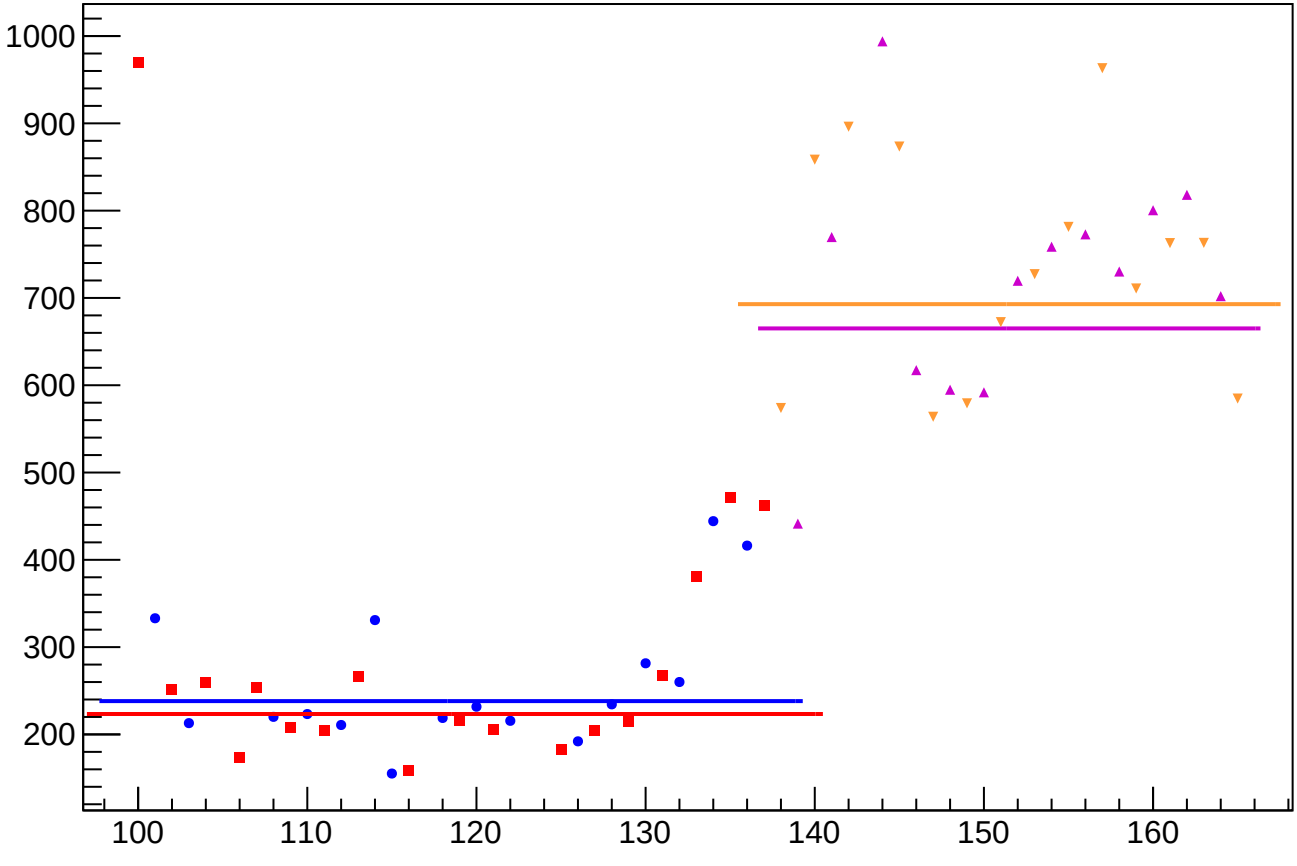
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.060+/-0.083 χ^2/NDF:47.1/31

All: 0.013+/-0.060 χ^2/NDF: 79.9/60

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 692.888+/-0.151 χ^2/NDF:607029.1/13

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

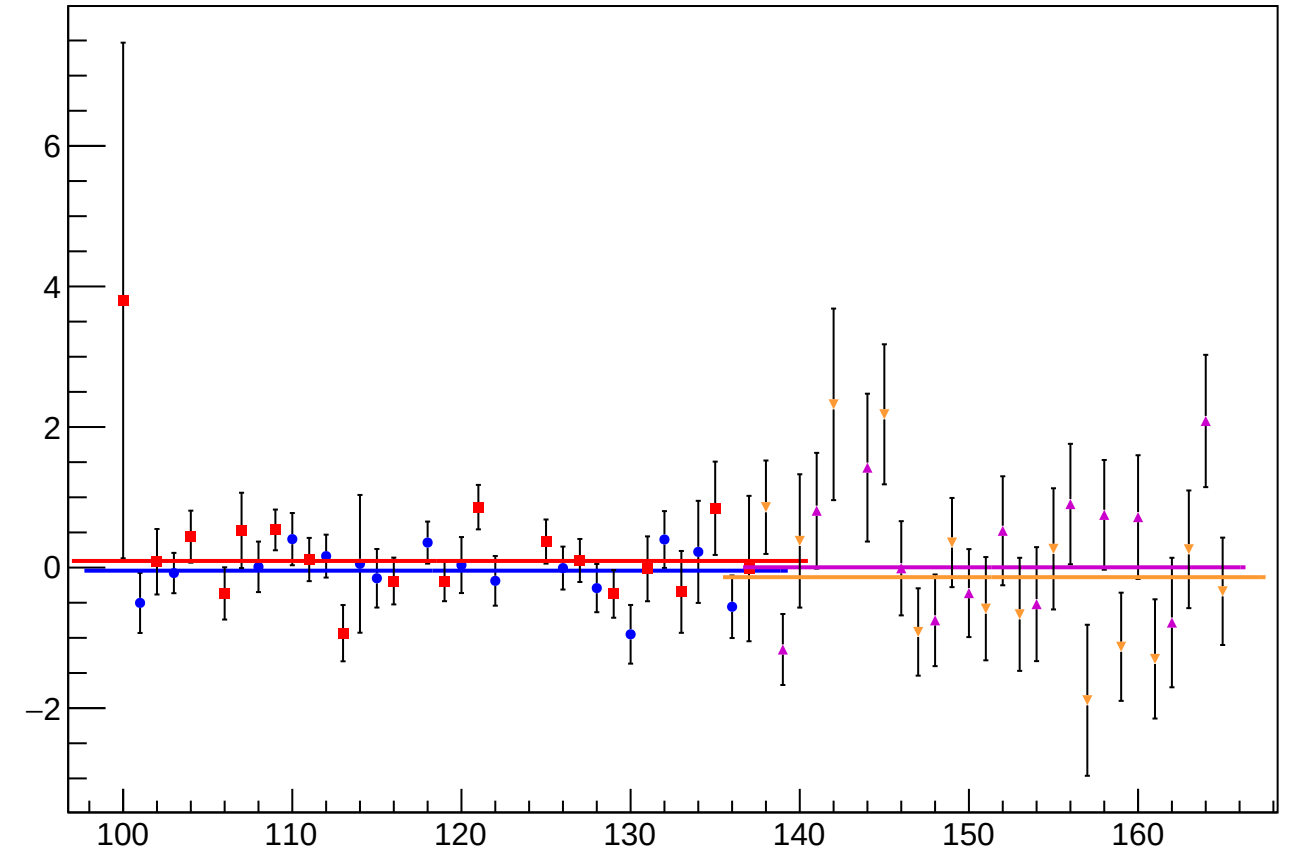
Left: 678.554+/-0.105 χ^2/NDF: 1492760.1/26

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 310.570+/-0.060 χ^2/NDF:8702106.1/28

Out: 293.949+/-0.059 χ^2/NDF:9643084.9/31

All: 302.015+/-0.042 χ^2/NDF: 18384114.9/60



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

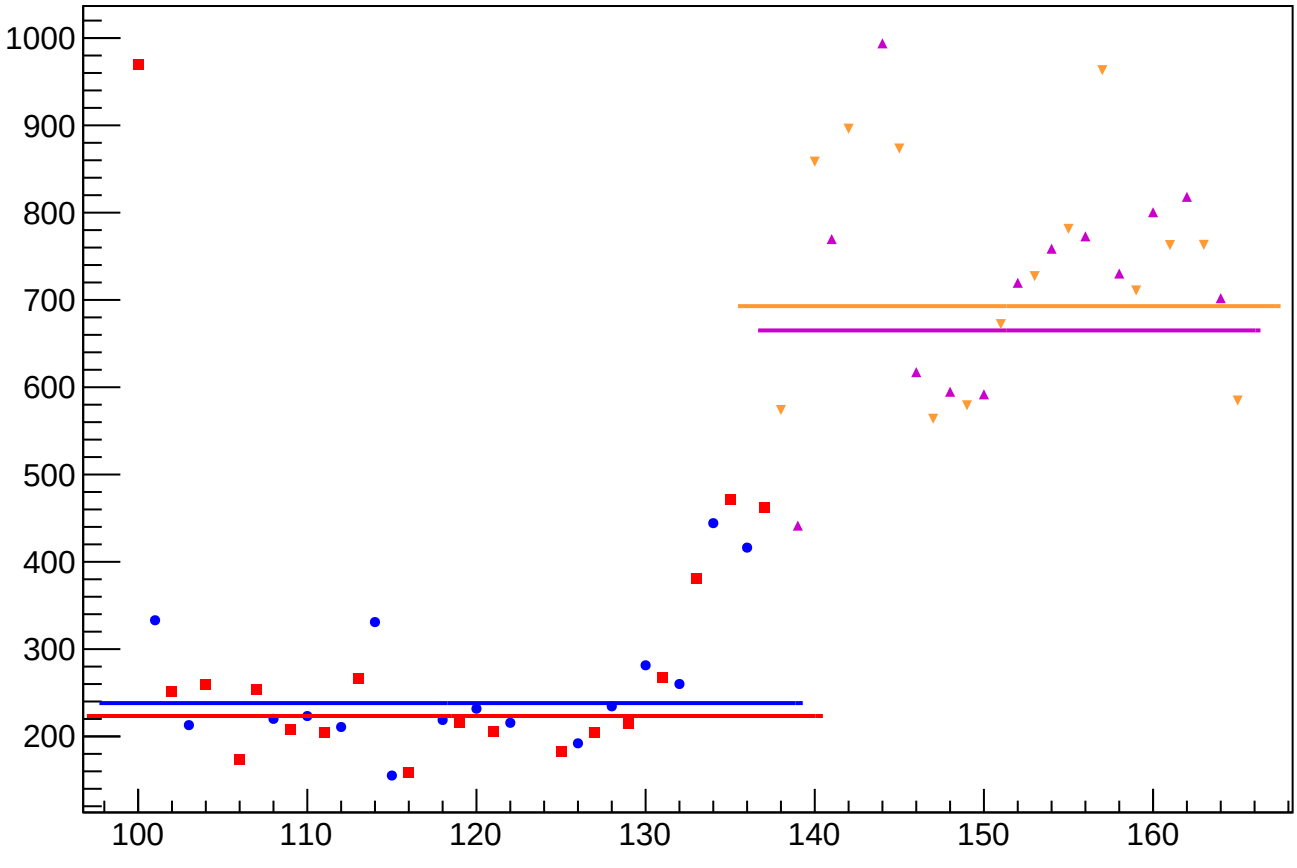
Left: -0.064+/-0.149 χ^2/NDF: 40.1/26

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.060+/-0.083 χ^2/NDF:47.1/31

All: 0.013+/-0.060 χ^2/NDF: 79.9/60


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
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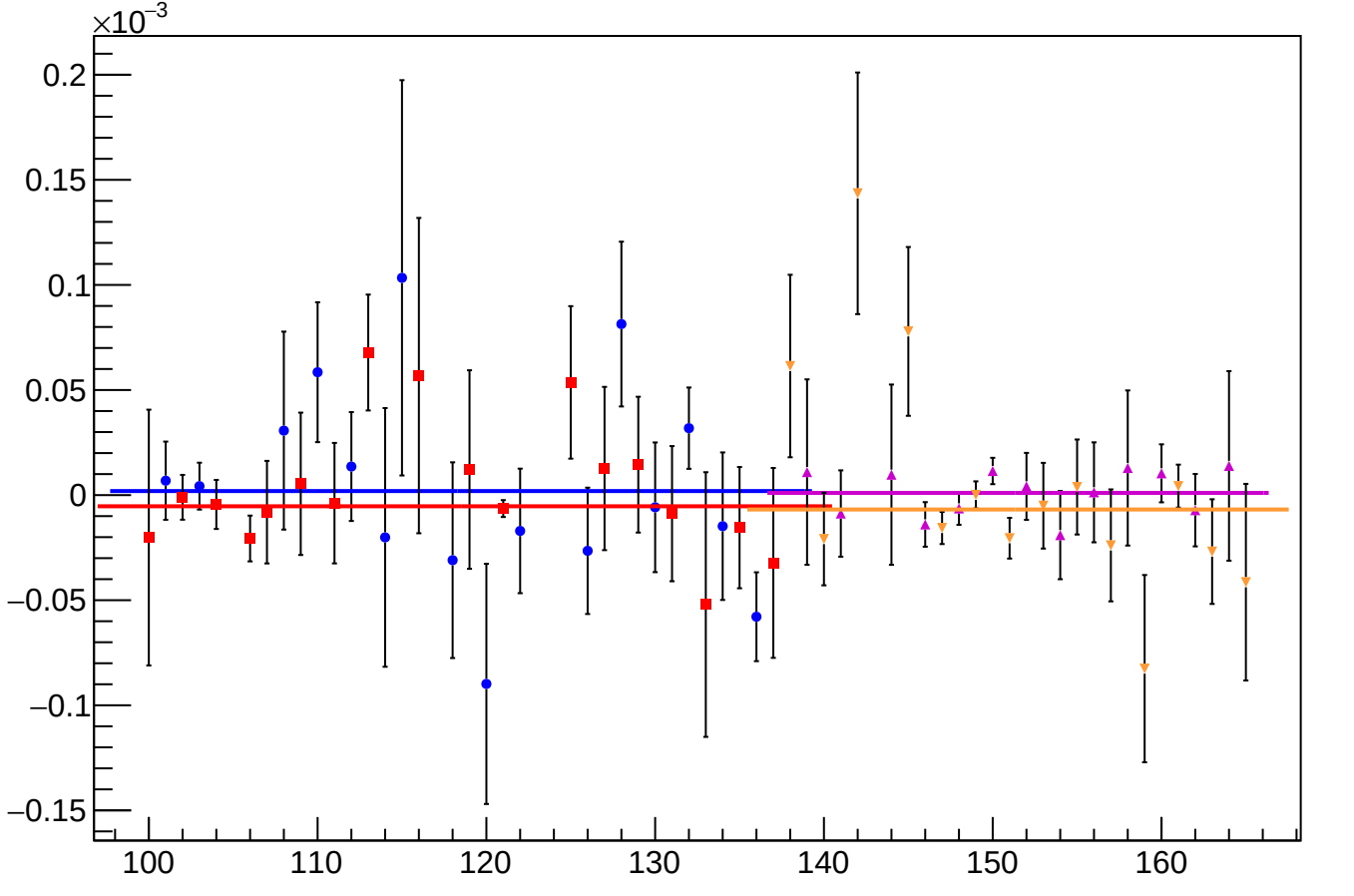
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 238.165+/-0.066 χ²/NDF: 807205.2/15
Left Out: 692.888+/-0.151 χ²/NDF:607029.1/13
Right Out: 223.388+/-0.064 χ²/NDF: 862425.5/17
Left In: 665.080+/-0.147 χ²/NDF:868335.8/12
Left: 678.554+/-0.105 χ²/NDF: 1492760.1/26
Right: 230.474+/-0.046 χ²/NDF: 1695464.7/33
In: 310.570+/-0.060 χ²/NDF:8702106.1/28
Out: 293.949+/-0.059 χ²/NDF:9643084.9/31
All: 302.015+/-0.042 χ²/NDF: 18384114.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/13

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

Left In: 0.000+/-0.000 χ^2/NDF:7.8/12

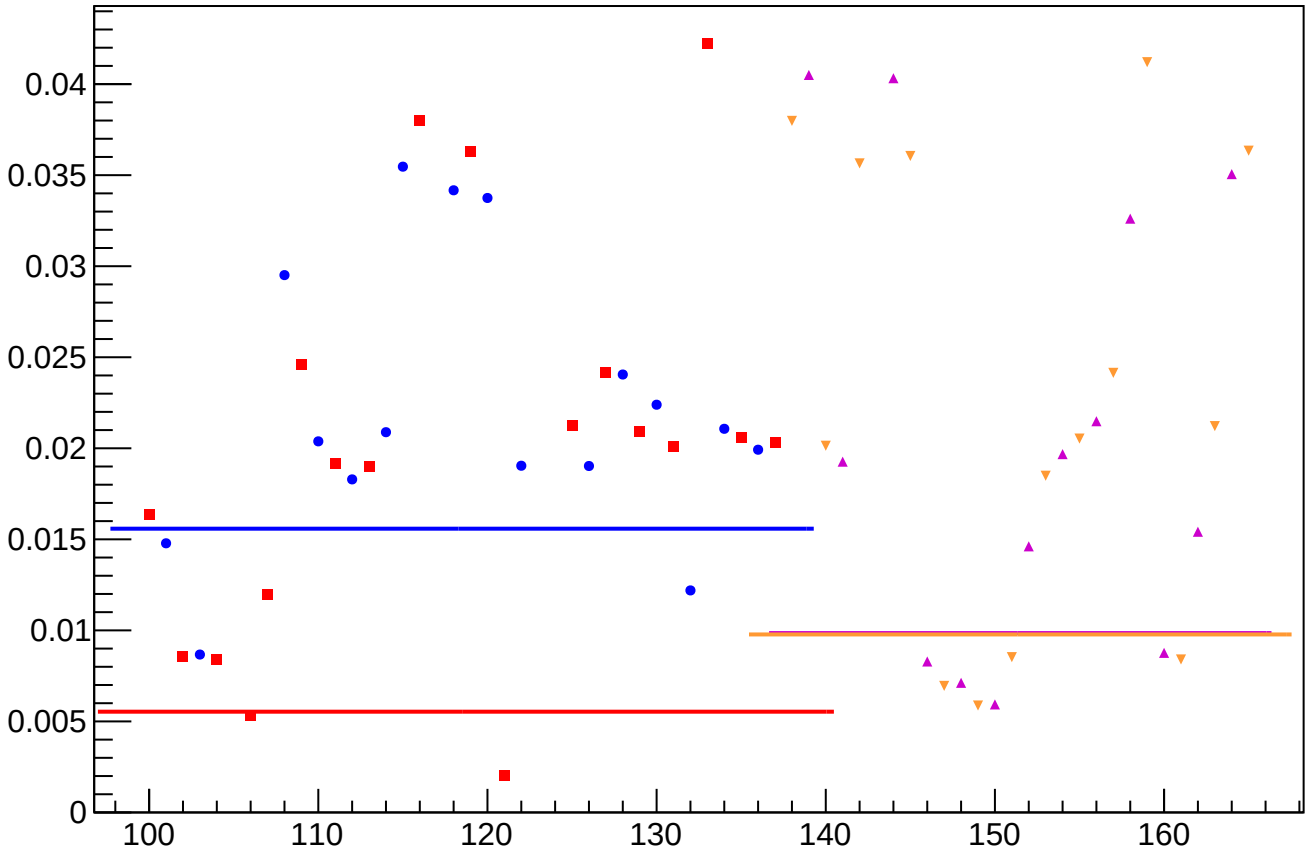
Left: -0.000+/-0.000 χ^2/NDF: 34.6/26

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.9/28

Out: -0.000+/-0.000 χ^2/NDF:39.2/31

All: -0.000+/-0.000 χ^2/NDF: 74.3/60



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:7091701.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:6168358.5/12

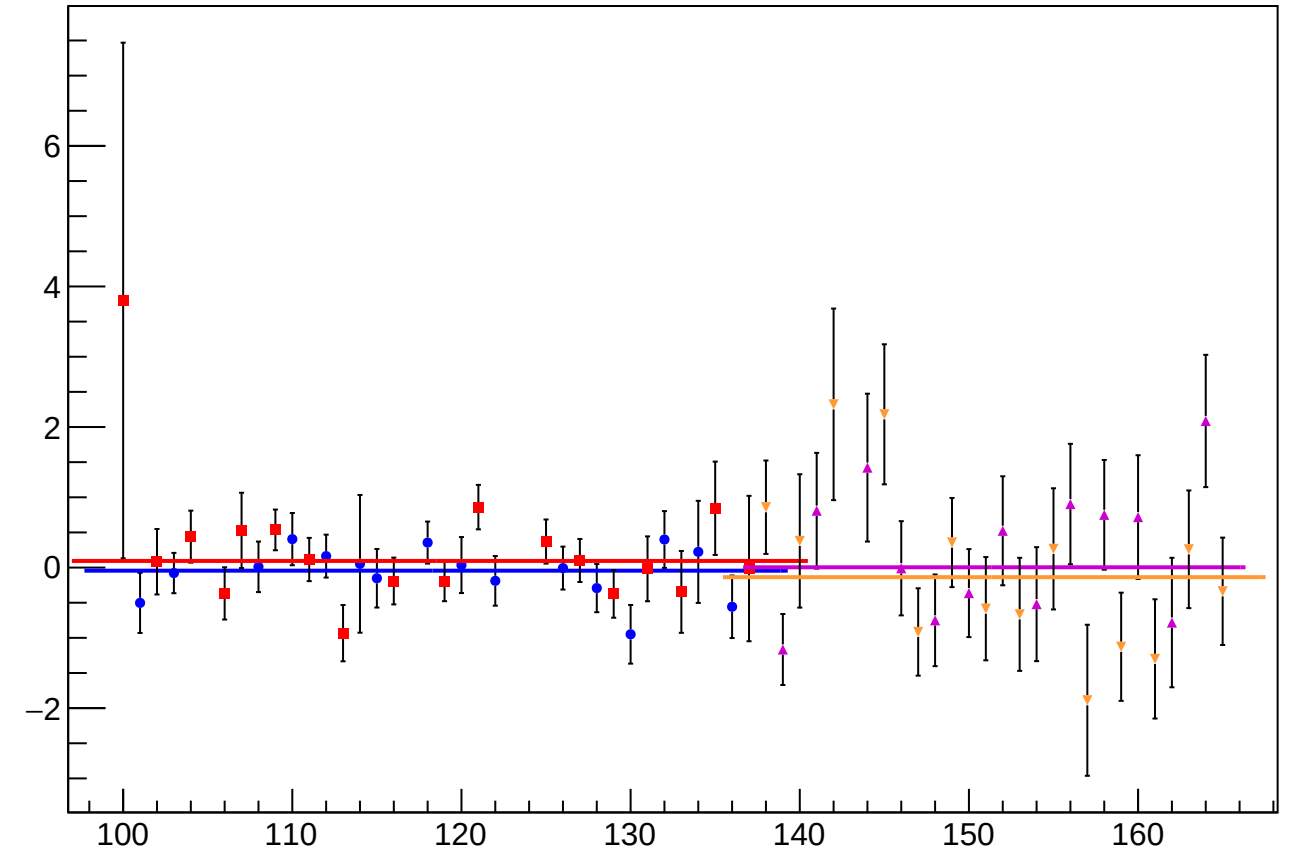
Left: 0.010+/-0.000 χ^2/NDF: 13260471.4/26

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:9448461.2/28

Out: 0.007+/-0.000 χ^2/NDF:16555021.1/31

All: 0.009+/-0.000 χ^2/NDF: 27937936.6/60



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

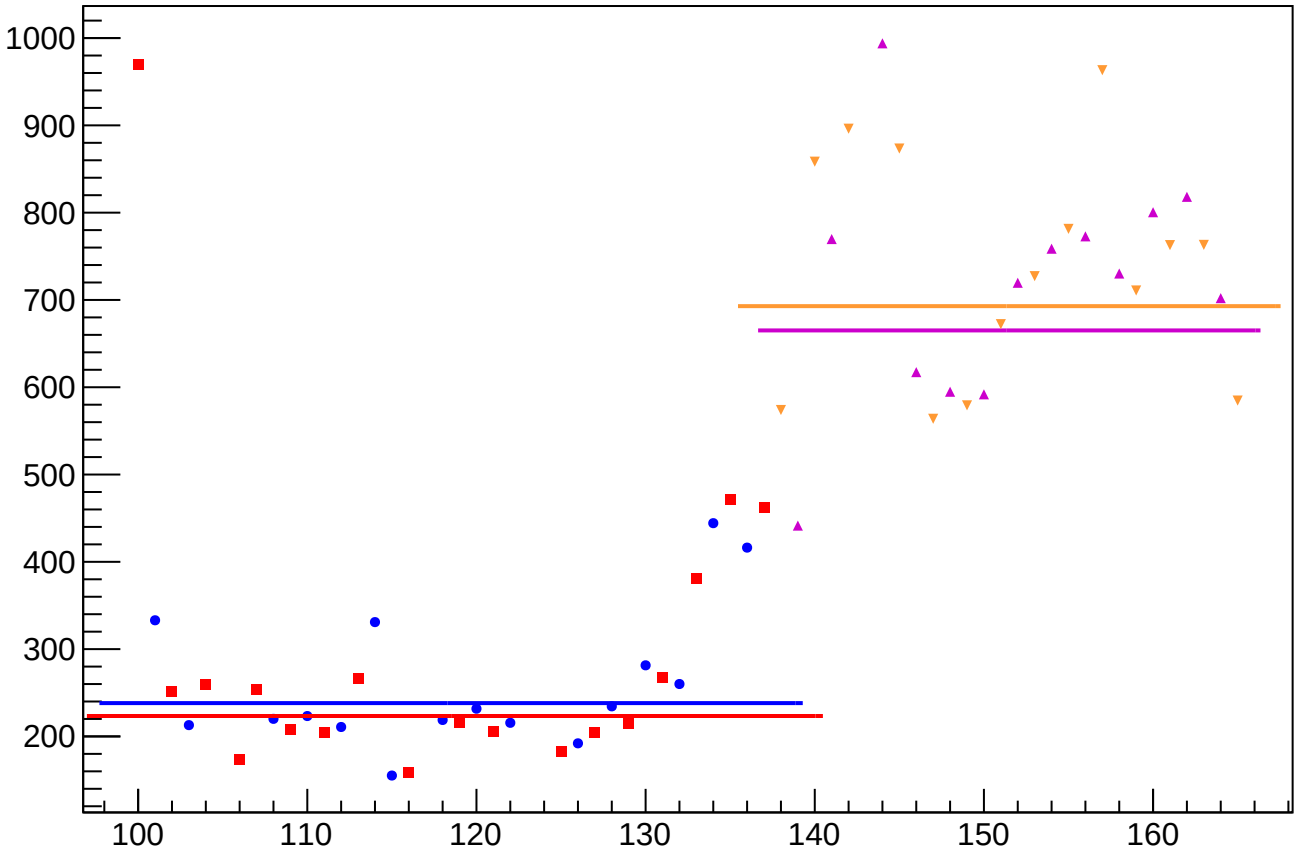
Left: -0.064+/-0.149 χ^2/NDF: 40.1/26

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.060+/-0.083 χ^2/NDF:47.2/31

All: 0.013+/-0.060 χ^2/NDF: 79.9/60



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 692.897+/-0.151 χ^2/NDF:607065.6/13

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 665.090+/-0.147 χ^2/NDF:868325.5/12

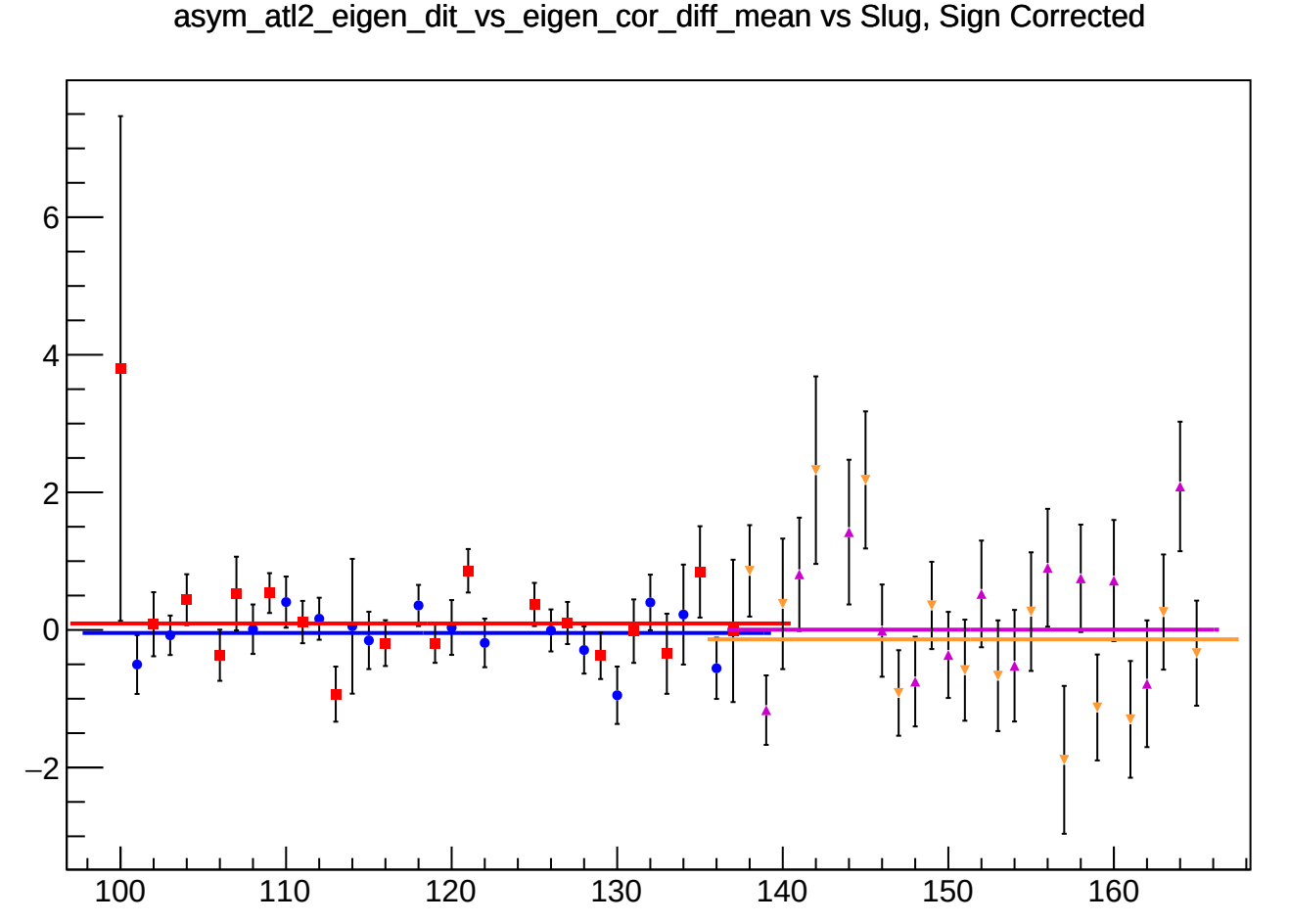
Left: 678.563+/-0.105 χ^2/NDF: 1492784.1/26

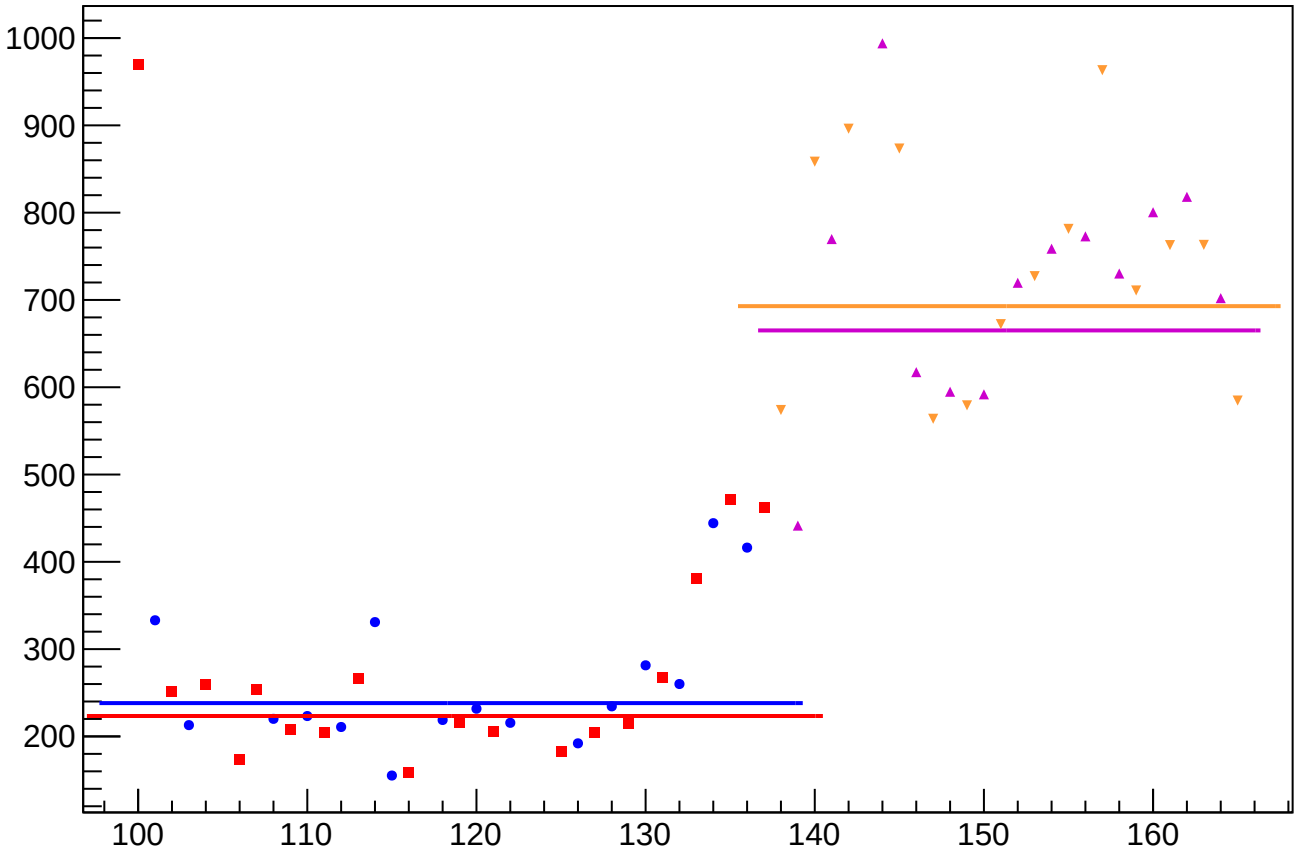
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 310.570+/-0.060 χ^2/NDF:8702195.8/28

Out: 293.951+/-0.059 χ^2/NDF:9643124.2/31

All: 302.016+/-0.042 χ^2/NDF: 18384240.1/60


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.137+/-0.214 χ²/NDF:20.9/13
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: 0.004+/-0.208 χ²/NDF:19.0/12
Left: -0.064+/-0.149 χ²/NDF: 40.1/26
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.036+/-0.085 χ²/NDF:32.1/28
Out: 0.060+/-0.083 χ²/NDF:47.2/31
All: 0.013+/-0.060 χ²/NDF: 79.9/60



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 692.897+/-0.151 χ^2/NDF:607065.6/13

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 665.090+/-0.147 χ^2/NDF:868325.5/12

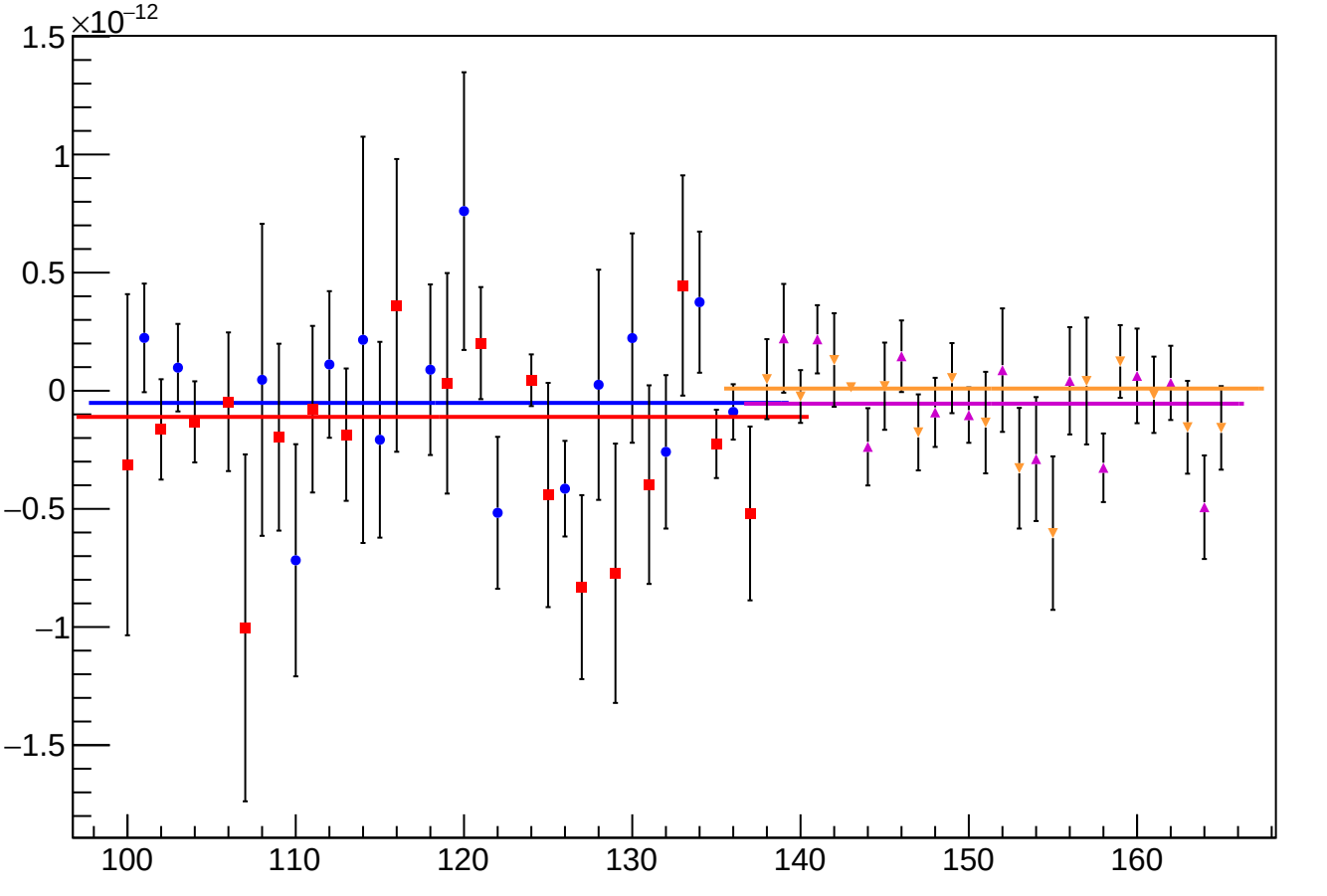
Left: 678.563+/-0.105 χ^2/NDF: 1492784.1/26

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 310.570+/-0.060 χ^2/NDF:8702195.8/28

Out: 293.951+/-0.059 χ^2/NDF:9643124.2/31

All: 302.016+/-0.042 χ^2/NDF: 18384240.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/12

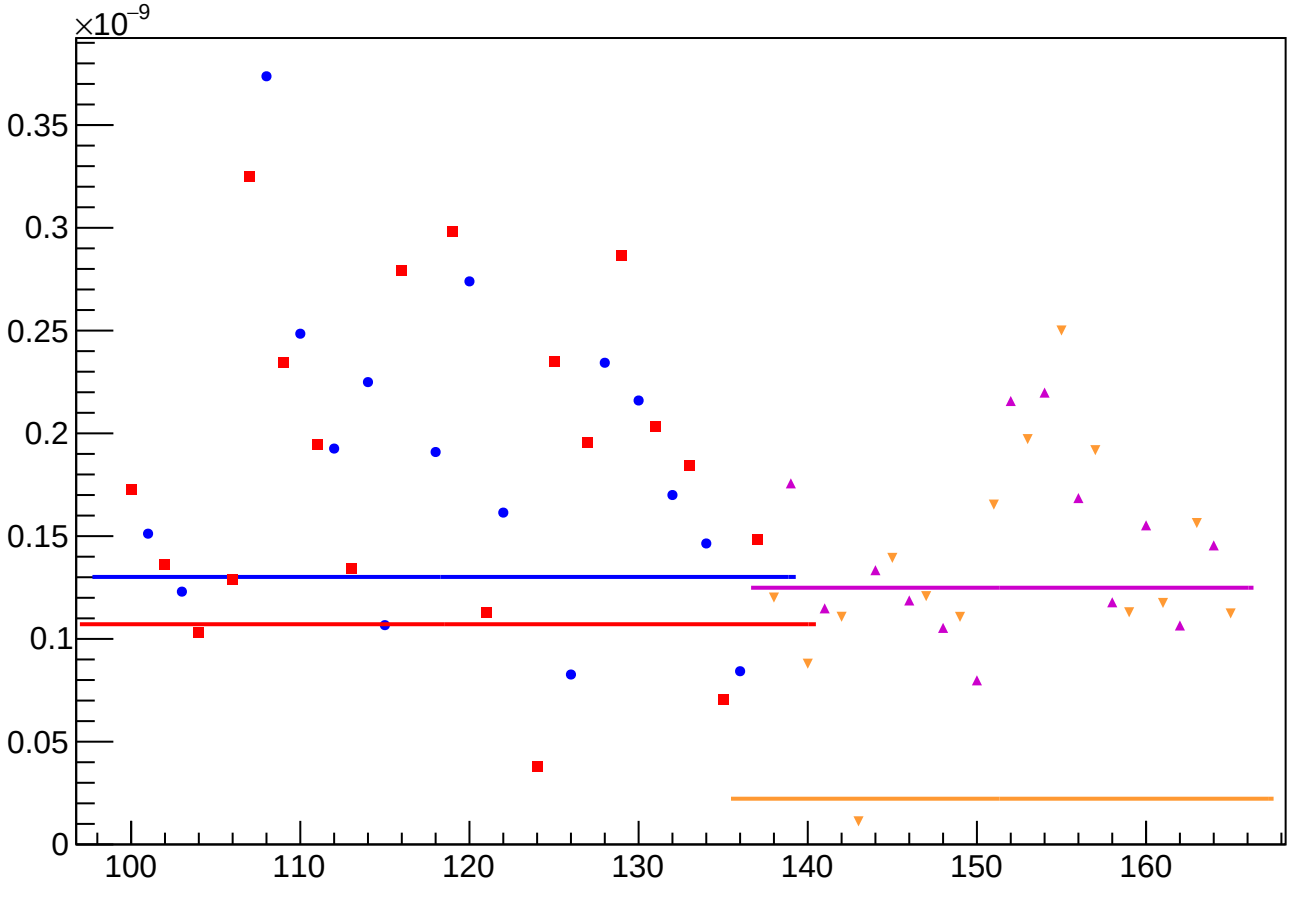
Left: 0.000+/-0.000 χ^2/NDF: 29.3/27

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:32.5/28

Out: 0.000+/-0.000 χ^2/NDF:29.2/33

All: -0.000+/-0.000 χ^2/NDF: 63.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11495452.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1119962.9/12

Left: 0.000+/-0.000 χ^2/NDF: 21253877.4/27

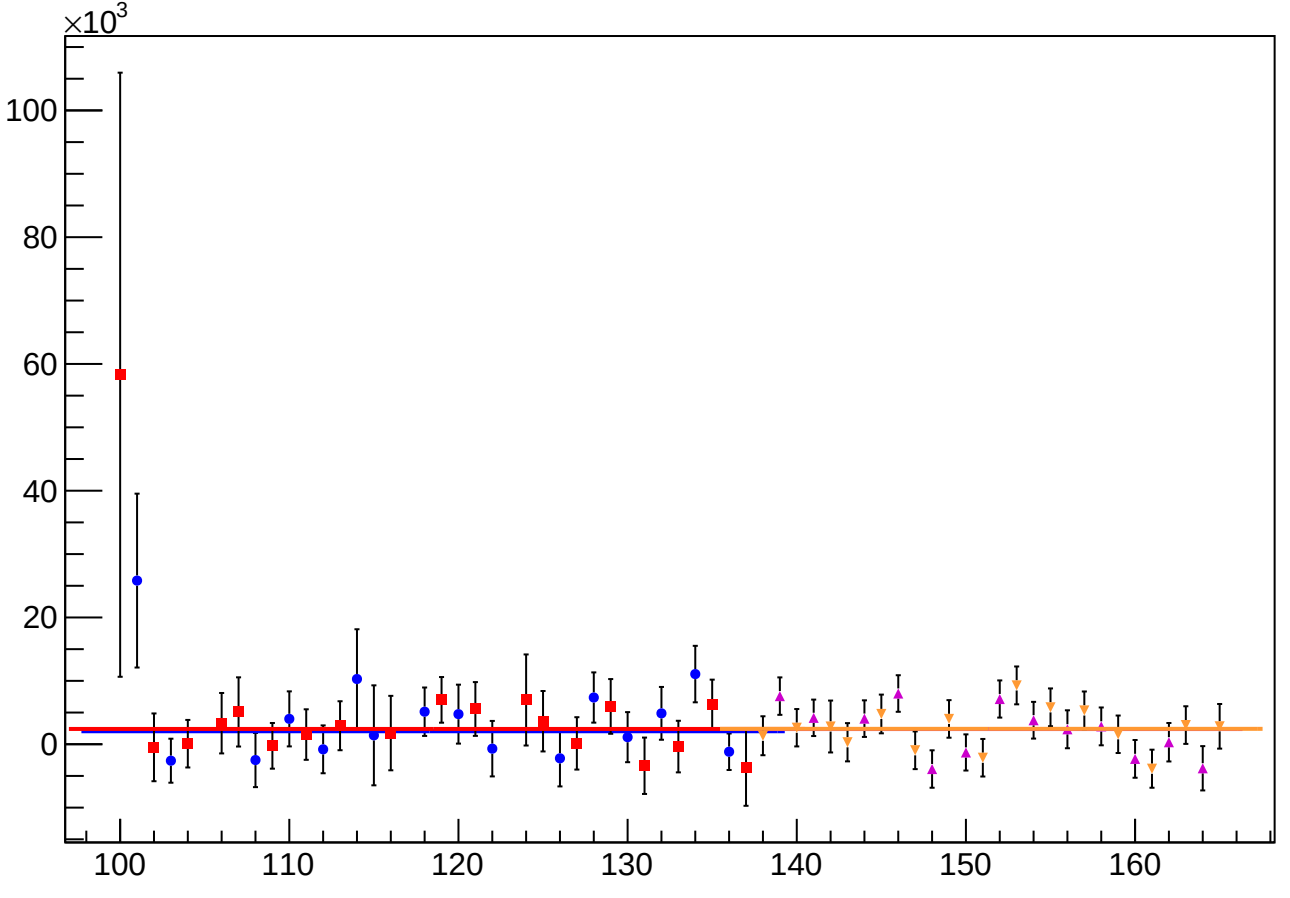
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2462378.7/28

Out: 0.000+/-0.000 χ^2/NDF:18047835.6/33

All: 0.000+/-0.000 χ^2/NDF: 32166490.2/62

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2428.977+/-792.015 χ^2/NDF:17.2/14

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2396.925+/-823.141 χ^2/NDF:22.8/12

Left: 2413.569+/-570.726 χ^2/NDF: 40.0/27

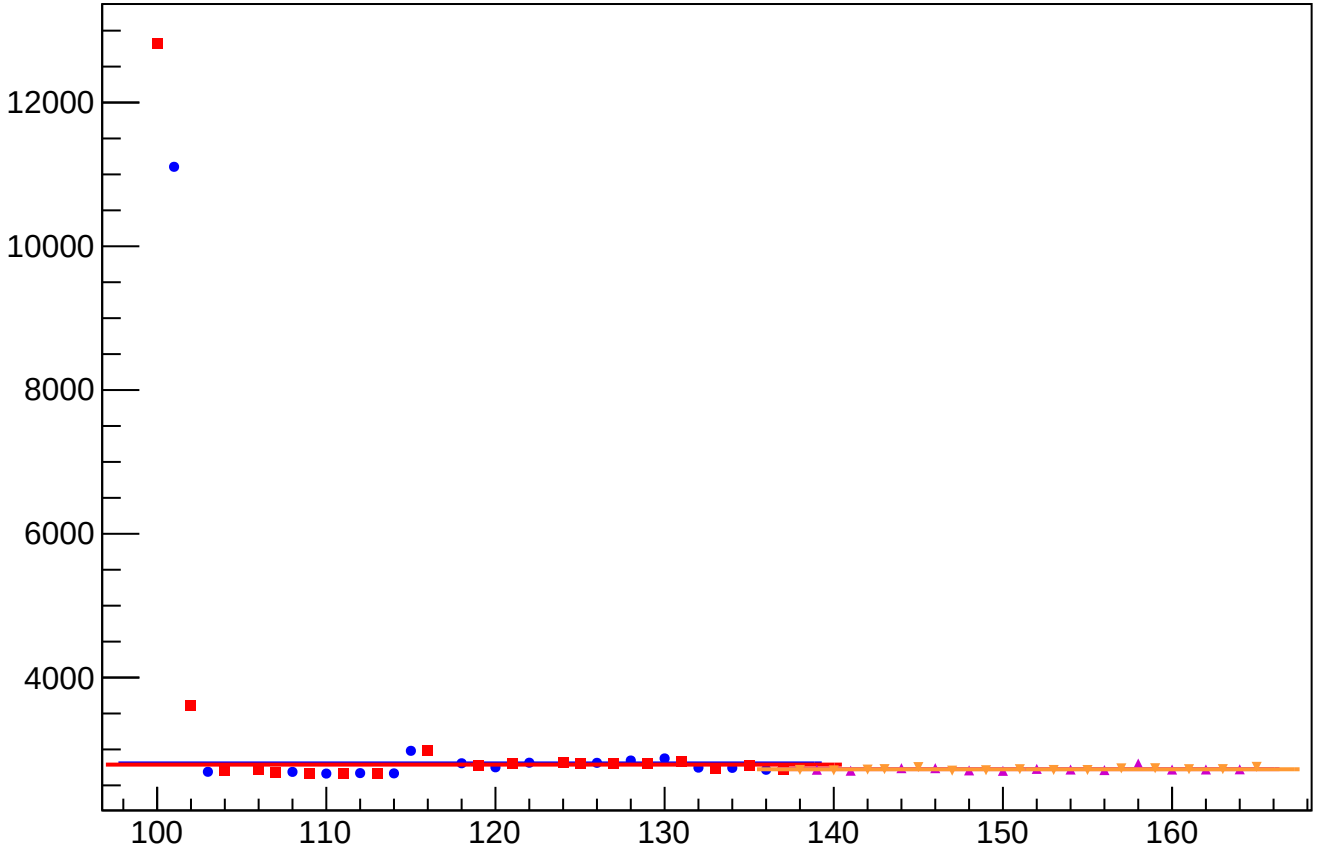
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2267.816+/-652.512 χ^2/NDF:40.6/28

Out: 2422.658+/-629.089 χ^2/NDF:28.0/33

All: 2348.066+/-452.887 χ^2/NDF: 68.6/62

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

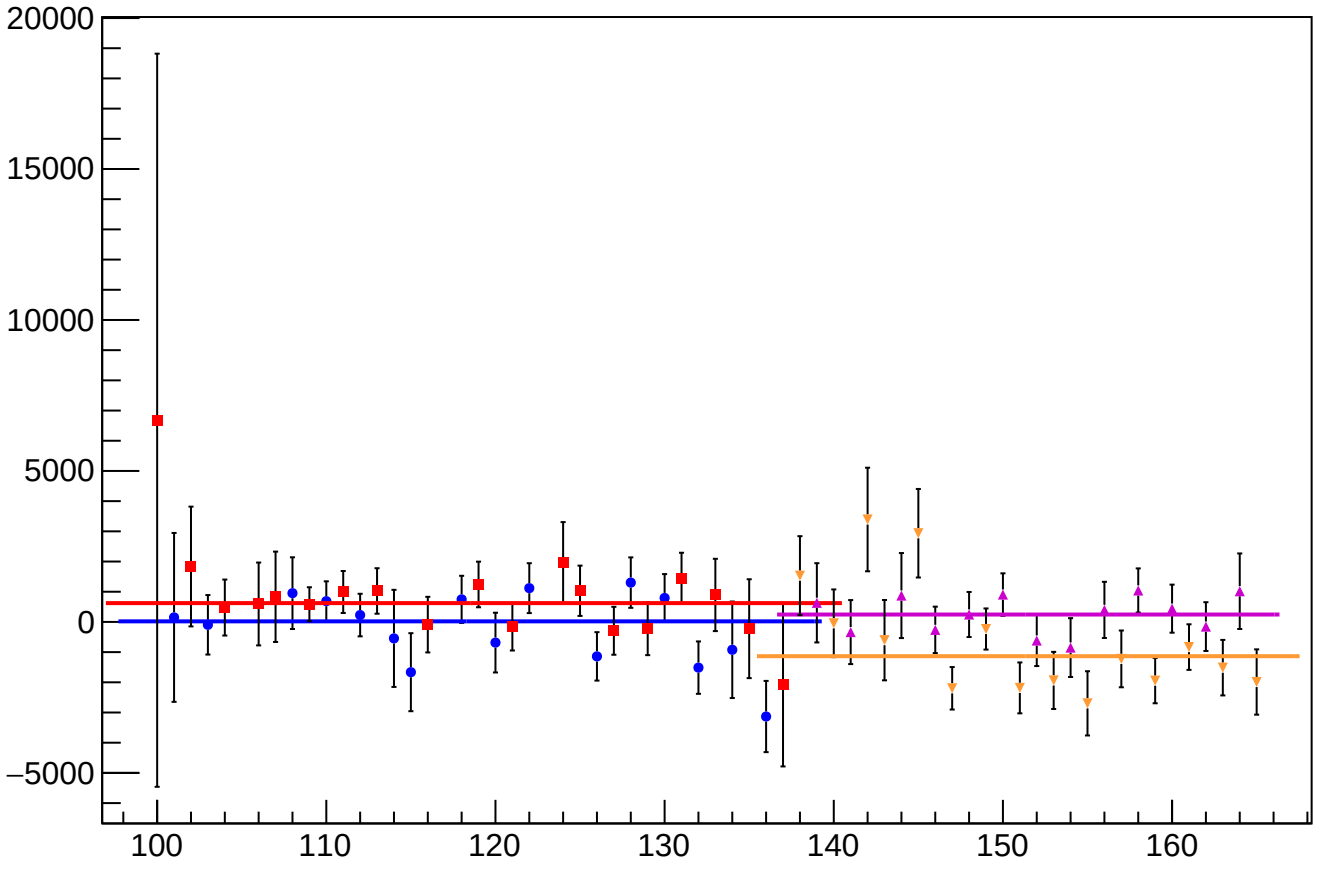
Left: 2725.158+/-0.404 χ^2/NDF: 2552.6/27

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2755.772+/-0.461 χ^2/NDF:754933.6/28

Out: 2747.933+/-0.445 χ^2/NDF:152646.4/33

All: 2751.709+/-0.320 χ^2/NDF: 907729.6/62



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1135.275+/-242.204 χ^2/NDF:30.5/14

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 244.879+/-244.581 χ^2/NDF:6.1/12

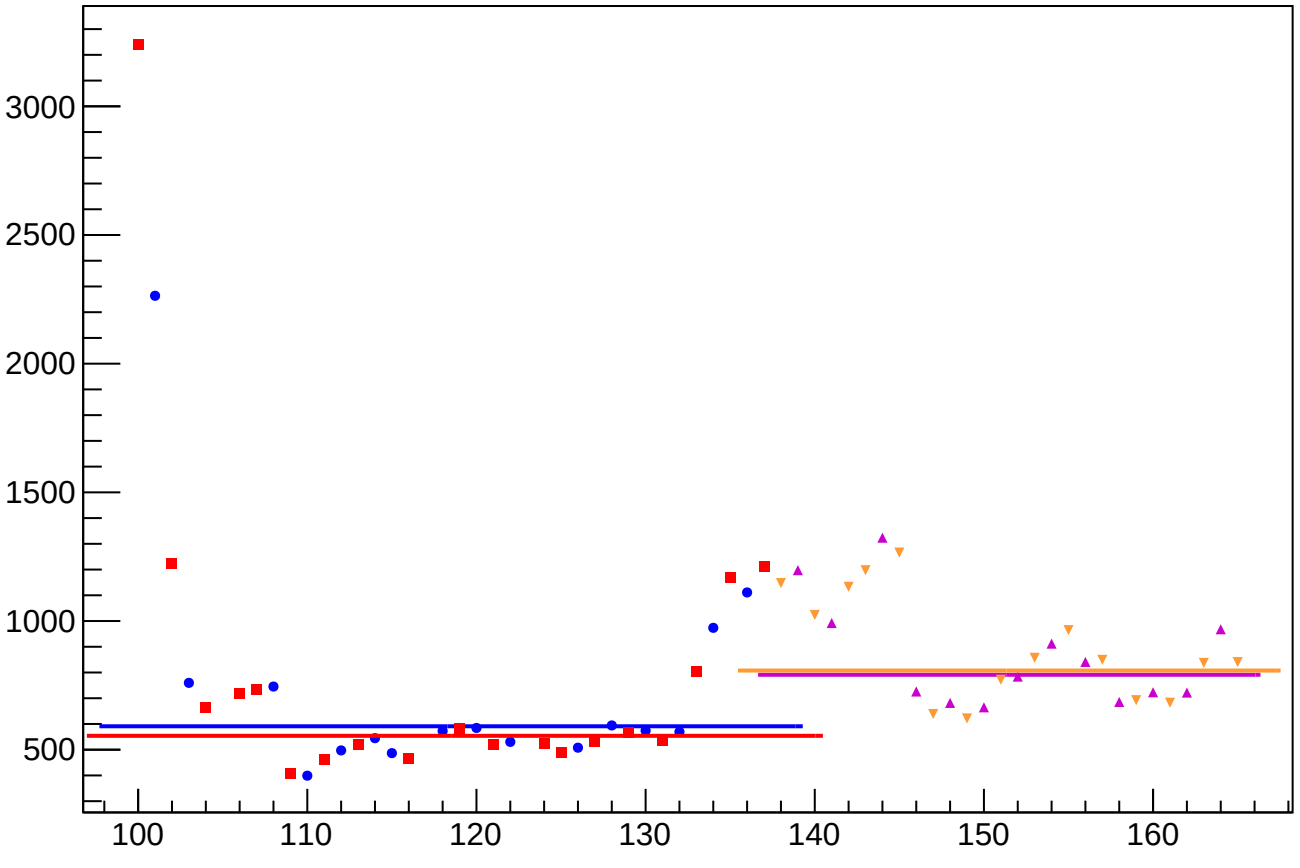
Left: -451.939+/-172.098 χ^2/NDF: 52.7/27

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 126.689+/-168.885 χ^2/NDF:29.3/28

Out: -155.645+/-161.185 χ^2/NDF:69.2/33

All: -21.061+/-116.602 χ^2/NDF: 100.0/62



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 807.604+/-0.171 χ^2/NDF:1075644.1/14

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 791.146+/-0.173 χ^2/NDF:819959.2/12

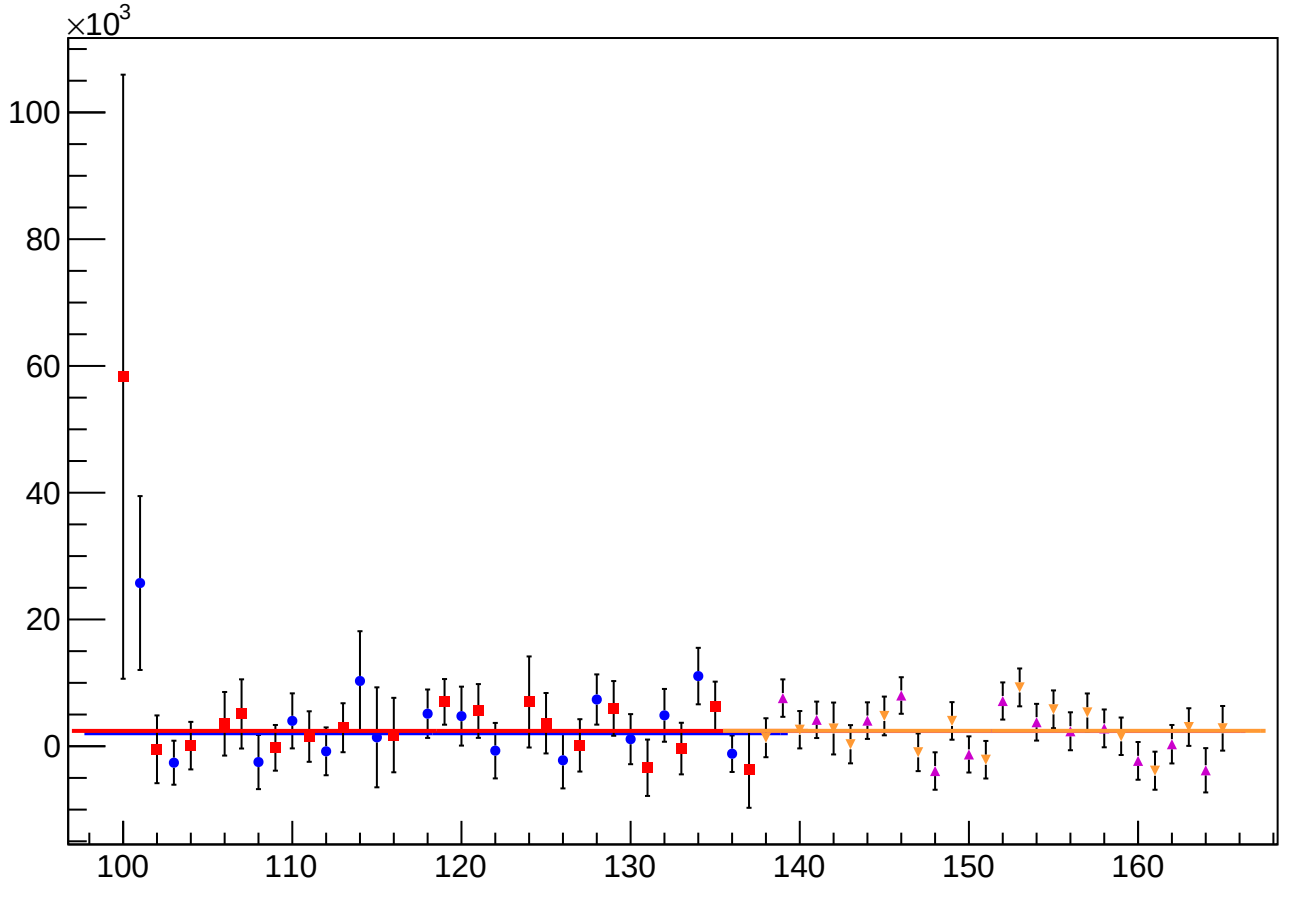
Left: 799.455+/-0.122 χ^2/NDF: 1900175.5/27

Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 686.450+/-0.119 χ^2/NDF:3088058.1/28

Out: 666.306+/-0.114 χ^2/NDF:3414334.7/33

All: 675.908+/-0.082 χ^2/NDF: 6517283.9/62



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2429.016+/-792.015 χ^2/NDF:17.2/14

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2396.984+/-823.141 χ^2/NDF:22.8/12

Left: 2413.617+/-570.726 χ^2/NDF: 40.0/27

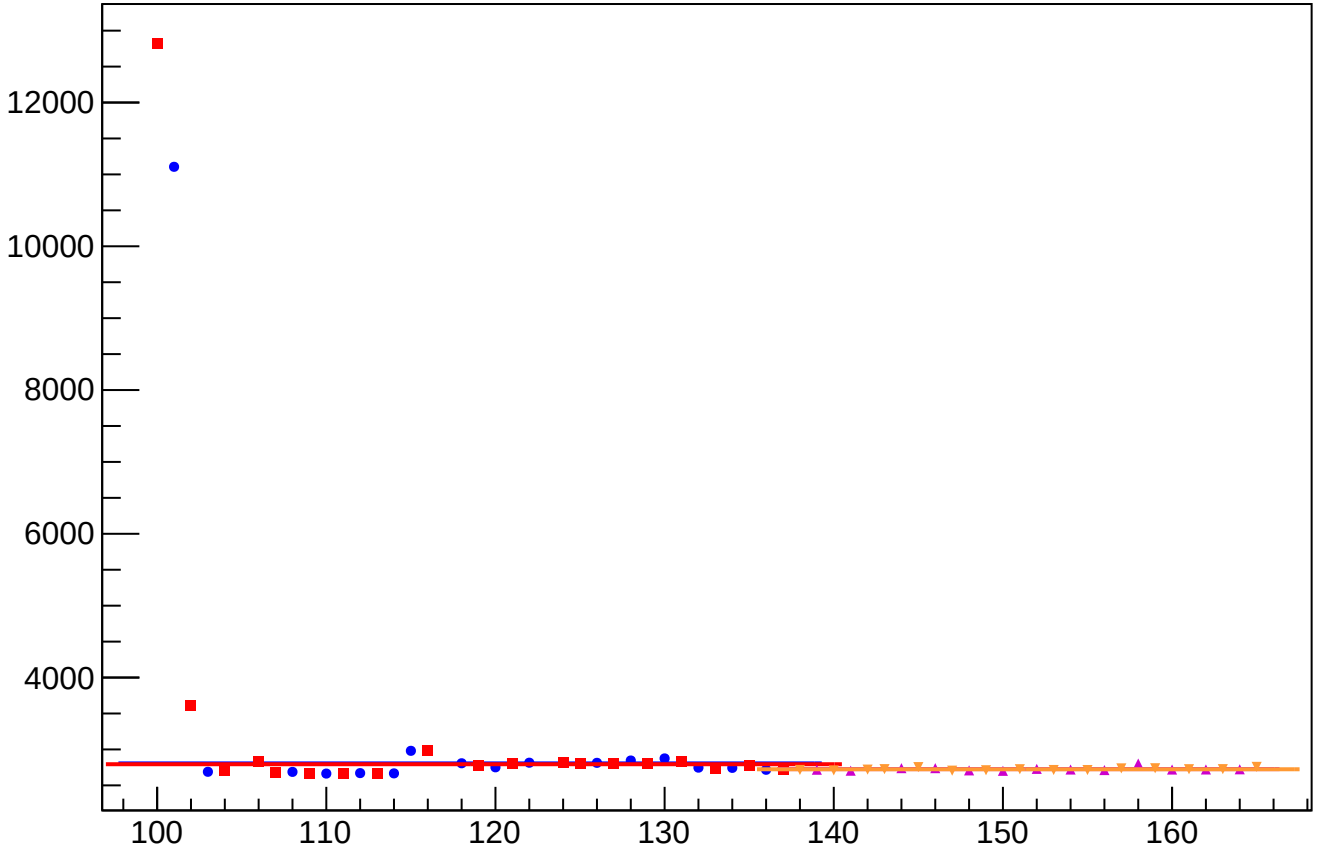
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2267.554+/-652.512 χ^2/NDF:40.6/28

Out: 2424.929+/-629.623 χ^2/NDF:28.0/33

All: 2349.050+/-453.086 χ^2/NDF: 68.6/62

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

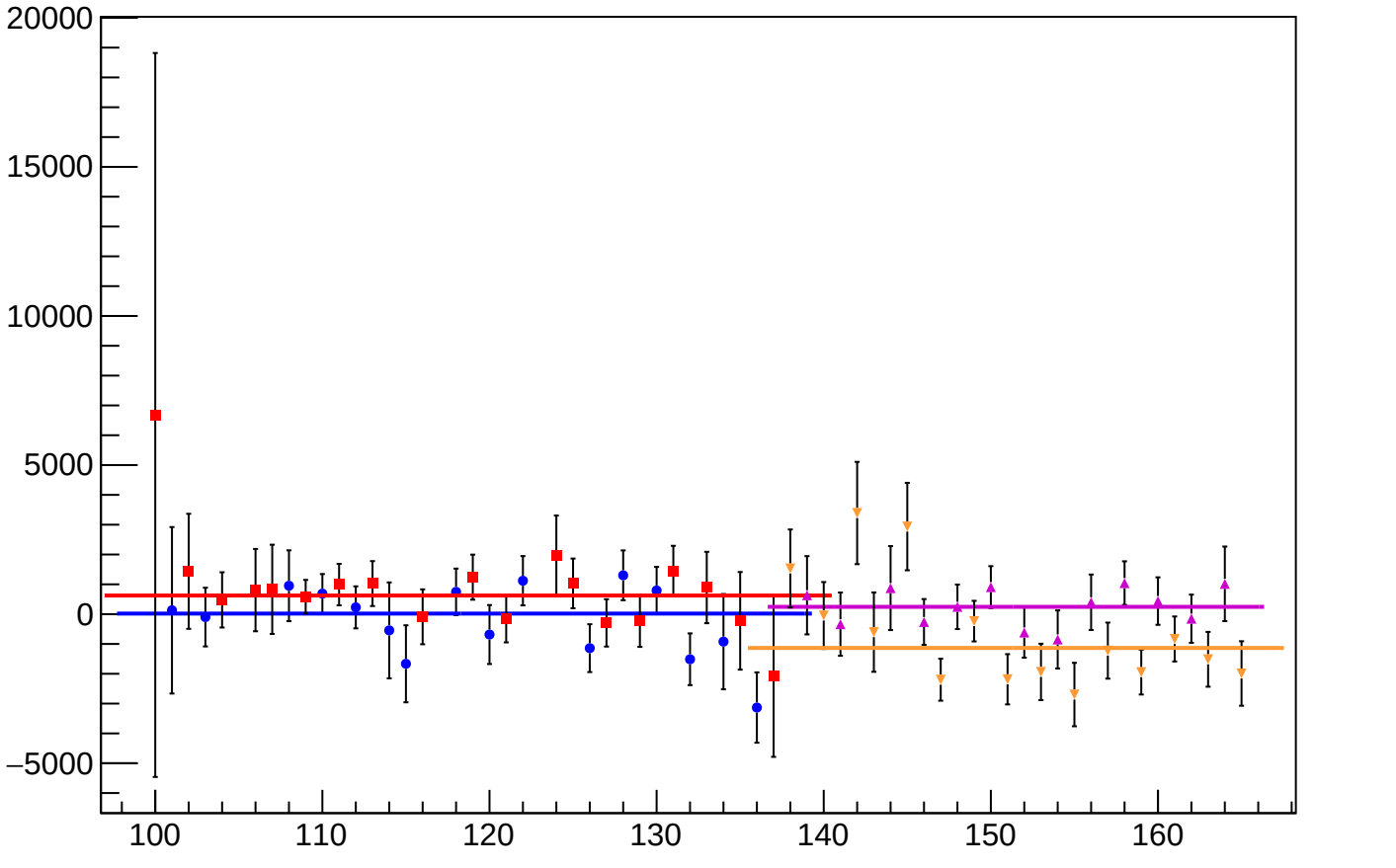
Left: 2725.158+/-0.404 χ^2/NDF: 2552.6/27

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2755.772+/-0.461 χ^2/NDF:754932.7/28

Out: 2749.828+/-0.445 χ^2/NDF:153223.2/33

All: 2752.694+/-0.320 χ^2/NDF: 908241.8/62



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1135.163+/-242.203 χ^2/NDF:30.5/14

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 244.999+/-244.580 χ^2/NDF:6.1/12

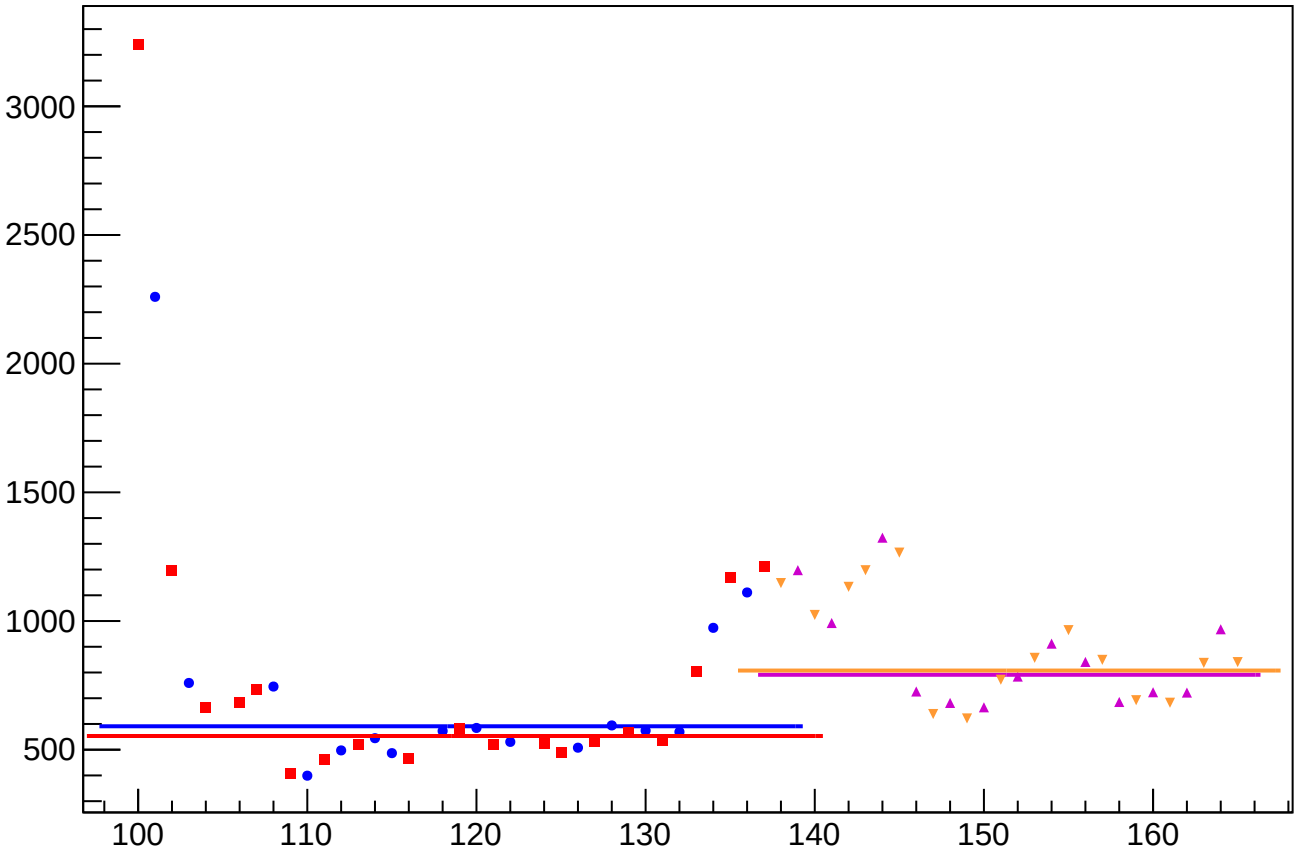
Left: -451.821+/-172.098 χ^2/NDF: 52.7/27

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 126.719+/-168.880 χ^2/NDF:29.3/28

Out: -154.792+/-161.165 χ^2/NDF:69.0/33

All: -20.613+/-116.593 χ^2/NDF: 99.8/62



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 807.601+/-0.171 χ^2/NDF:1075658.2/14

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

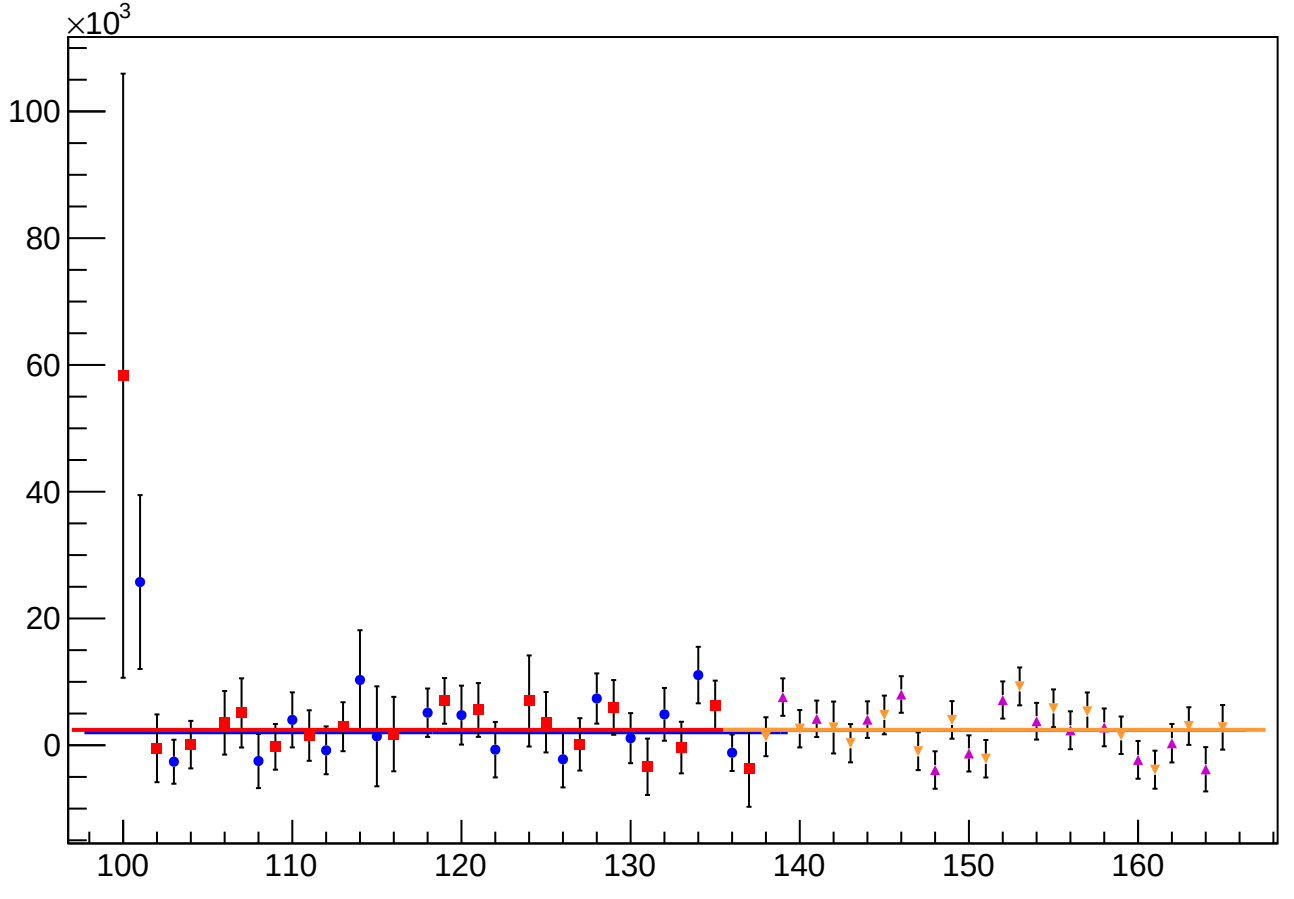
Left: 799.452+/-0.122 χ^2/NDF: 1900171.4/27

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 686.443+/-0.119 χ^2/NDF:3087029.3/28

Out: 665.861+/-0.114 χ^2/NDF:3406520.5/33

All: 675.671+/-0.082 χ^2/NDF: 6509097.5/62



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2429.016+/-792.015 χ^2/NDF:17.2/14

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2396.984+/-823.141 χ^2/NDF:22.8/12

Left: 2413.617+/-570.726 χ^2/NDF: 40.0/27

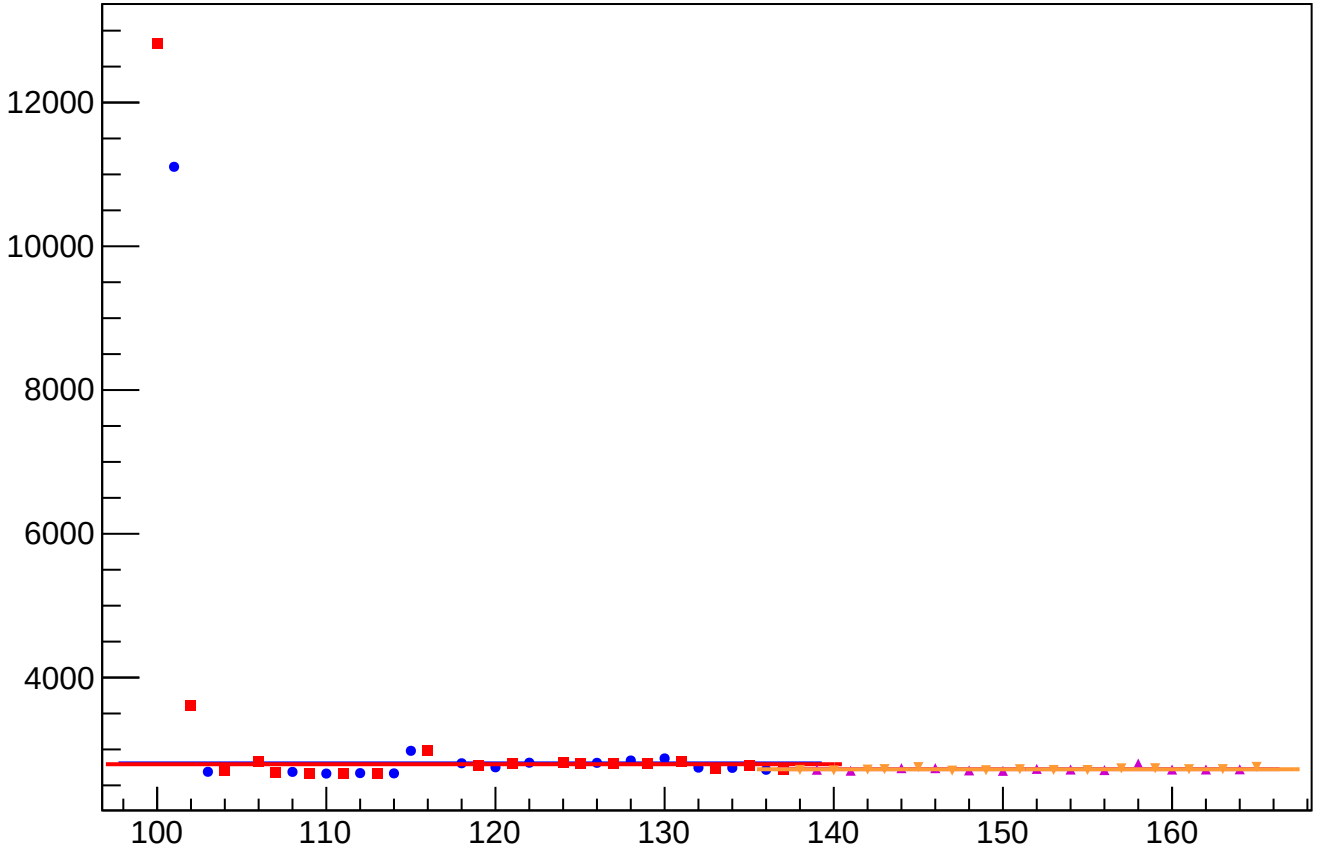
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2267.554+/-652.512 χ^2/NDF:40.6/28

Out: 2424.929+/-629.623 χ^2/NDF:28.0/33

All: 2349.050+/-453.086 χ^2/NDF: 68.6/62

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

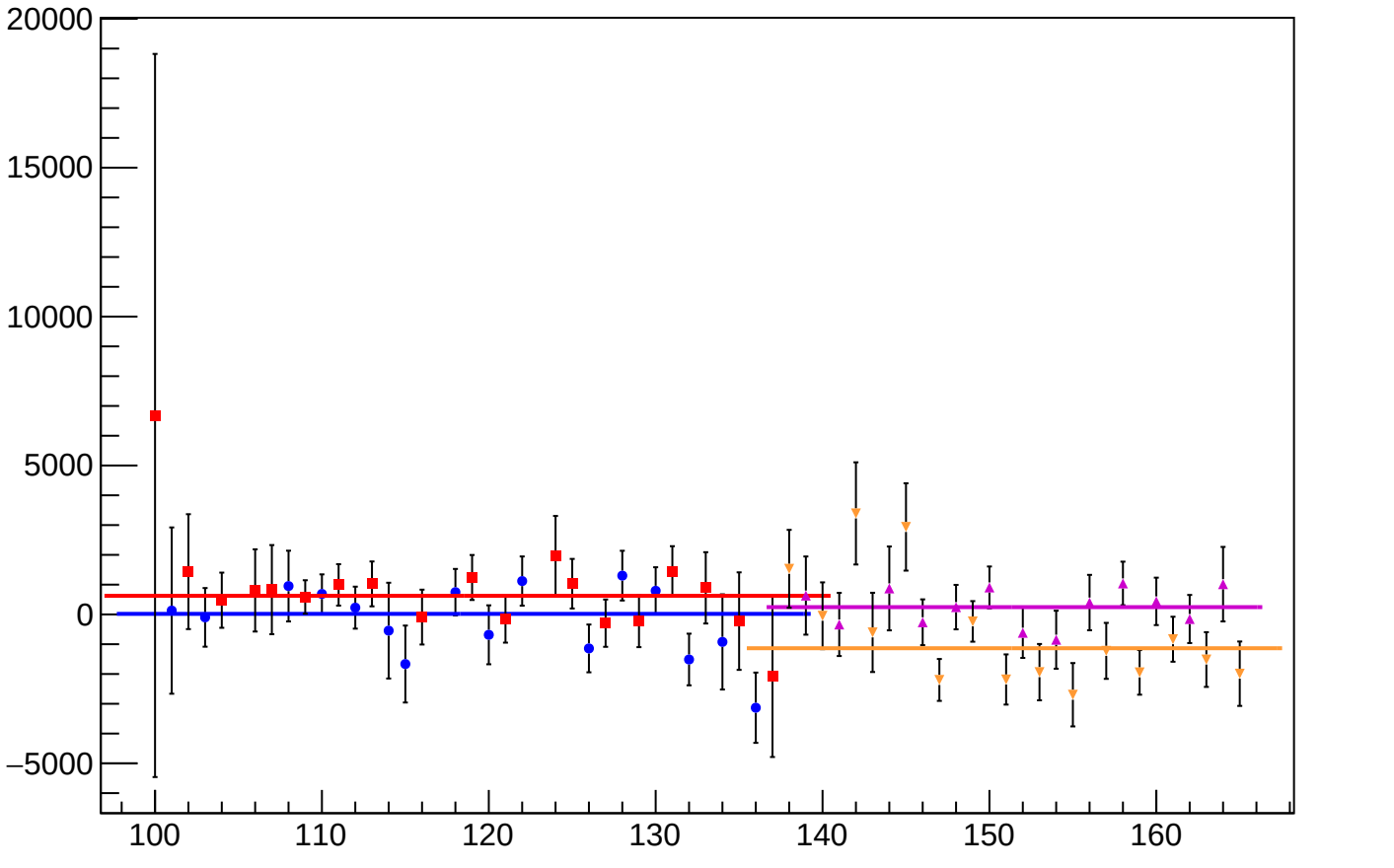
Left: 2725.158+/-0.404 χ^2/NDF: 2552.6/27

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2755.772+/-0.461 χ^2/NDF:754932.7/28

Out: 2749.828+/-0.445 χ^2/NDF:153223.2/33

All: 2752.694+/-0.320 χ^2/NDF: 908241.8/62



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1135.163+/-242.203 χ^2/NDF:30.5/14

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 244.999+/-244.580 χ^2/NDF:6.1/12

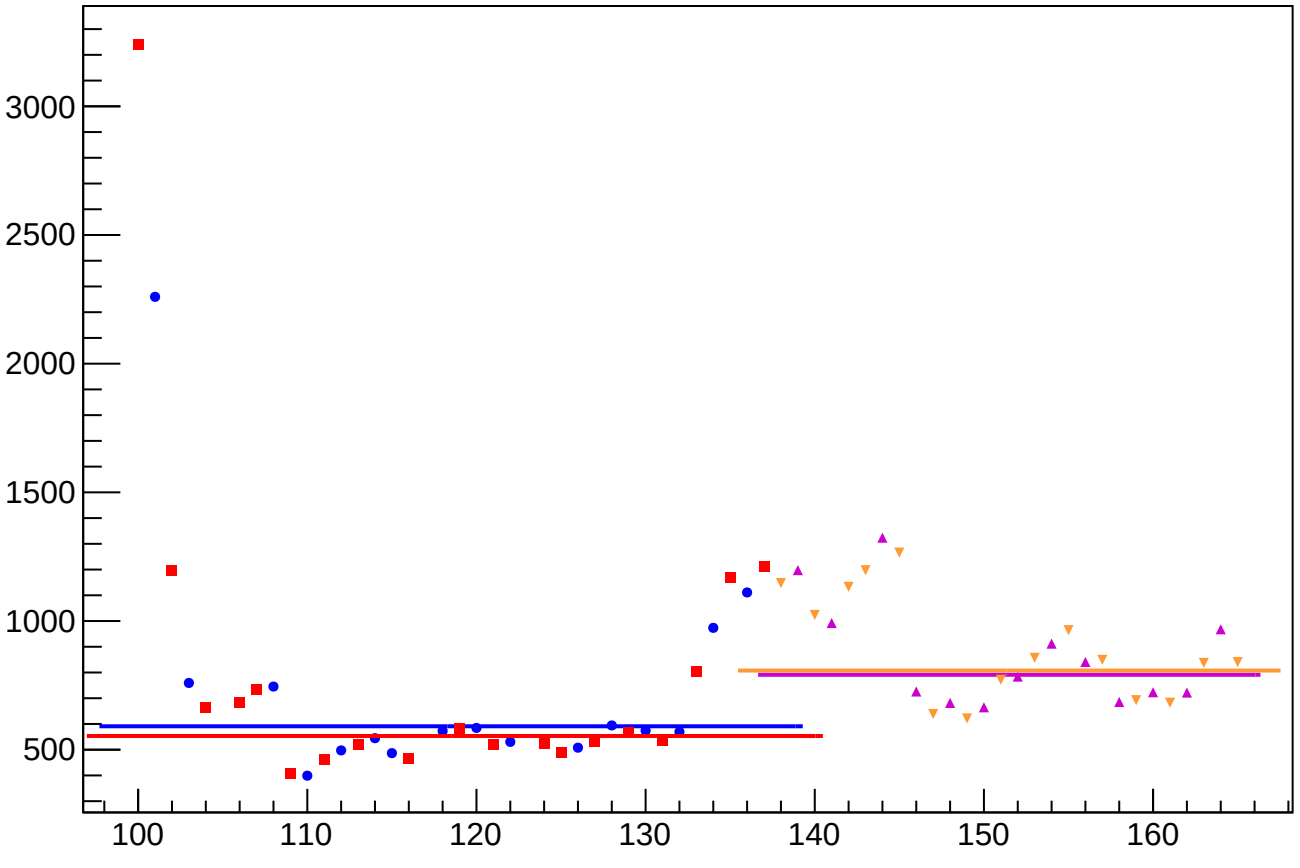
Left: -451.821+/-172.098 χ^2/NDF: 52.7/27

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 126.719+/-168.880 χ^2/NDF:29.3/28

Out: -154.792+/-161.165 χ^2/NDF:69.0/33

All: -20.613+/-116.593 χ^2/NDF: 99.8/62



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 807.601+/-0.171 χ^2/NDF:1075658.2/14

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

Left: 799.452+/-0.122 χ^2/NDF: 1900171.4/27

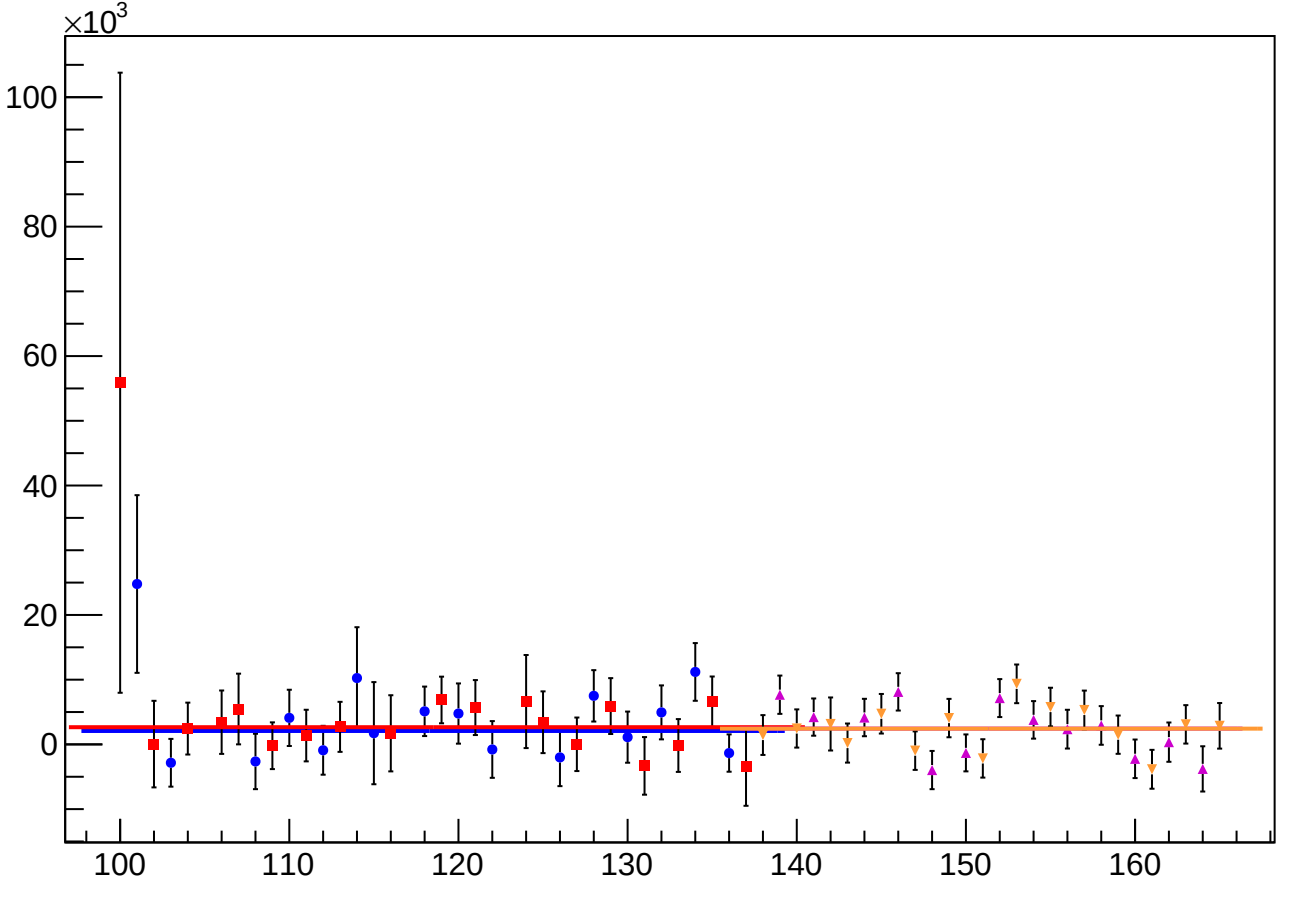
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 686.443+/-0.119 χ^2/NDF:3087029.3/28

Out: 665.861+/-0.114 χ^2/NDF:3406520.5/33

All: 675.671+/-0.082 χ^2/NDF: 6509097.5/62

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2433.733+/-792.570 χ^2/NDF:17.3/14

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2437.945+/-823.635 χ^2/NDF:23.1/12

Left: 2435.758+/-571.098 χ^2/NDF: 40.4/27

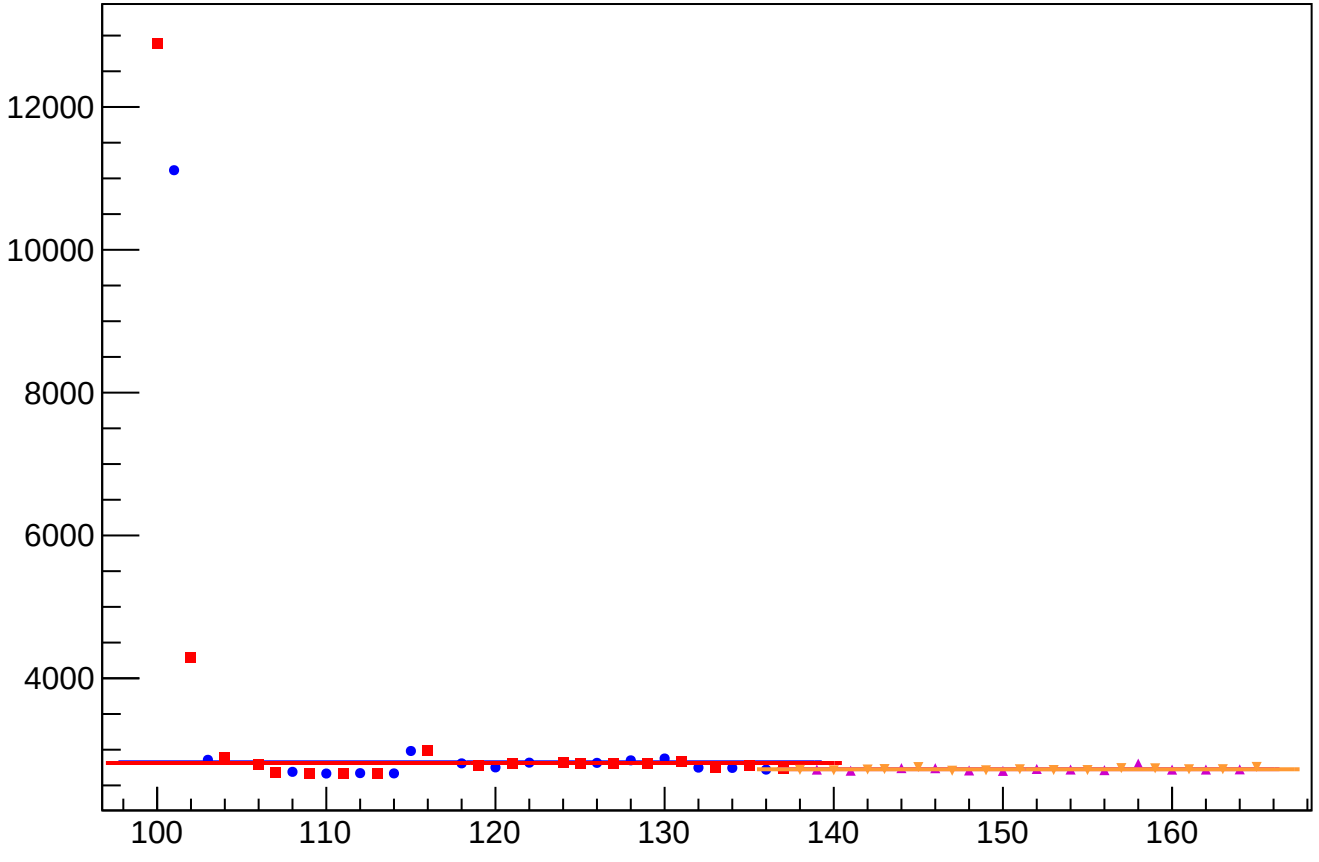
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2303.953+/-654.288 χ^2/NDF:41.0/28

Out: 2514.893+/-632.558 χ^2/NDF:27.3/33

All: 2412.984+/-454.774 χ^2/NDF: 68.4/62

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2725.915+/-0.560 χ^2/NDF:733.7/14

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

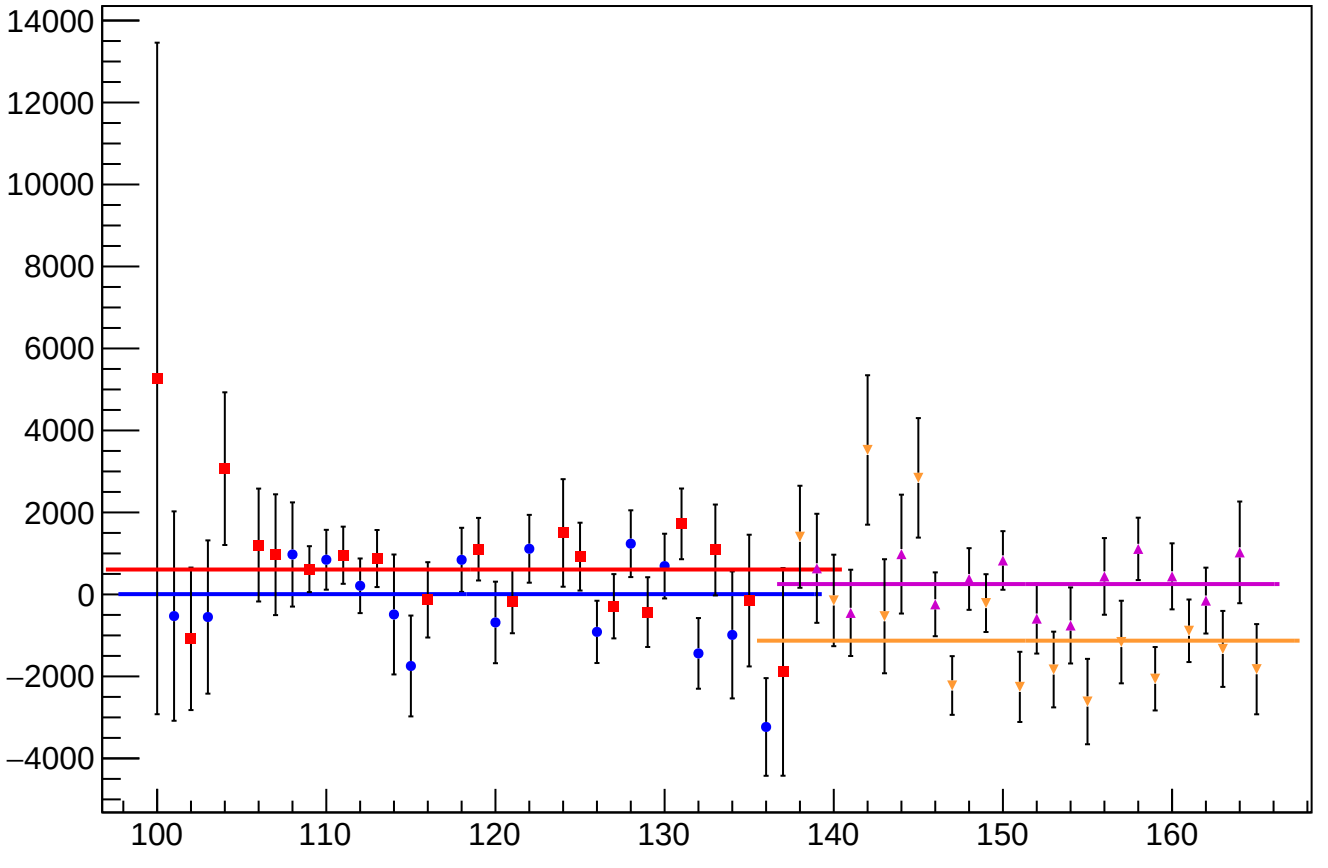
Left: 2726.928+/-0.404 χ^2/NDF: 2594.9/27

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

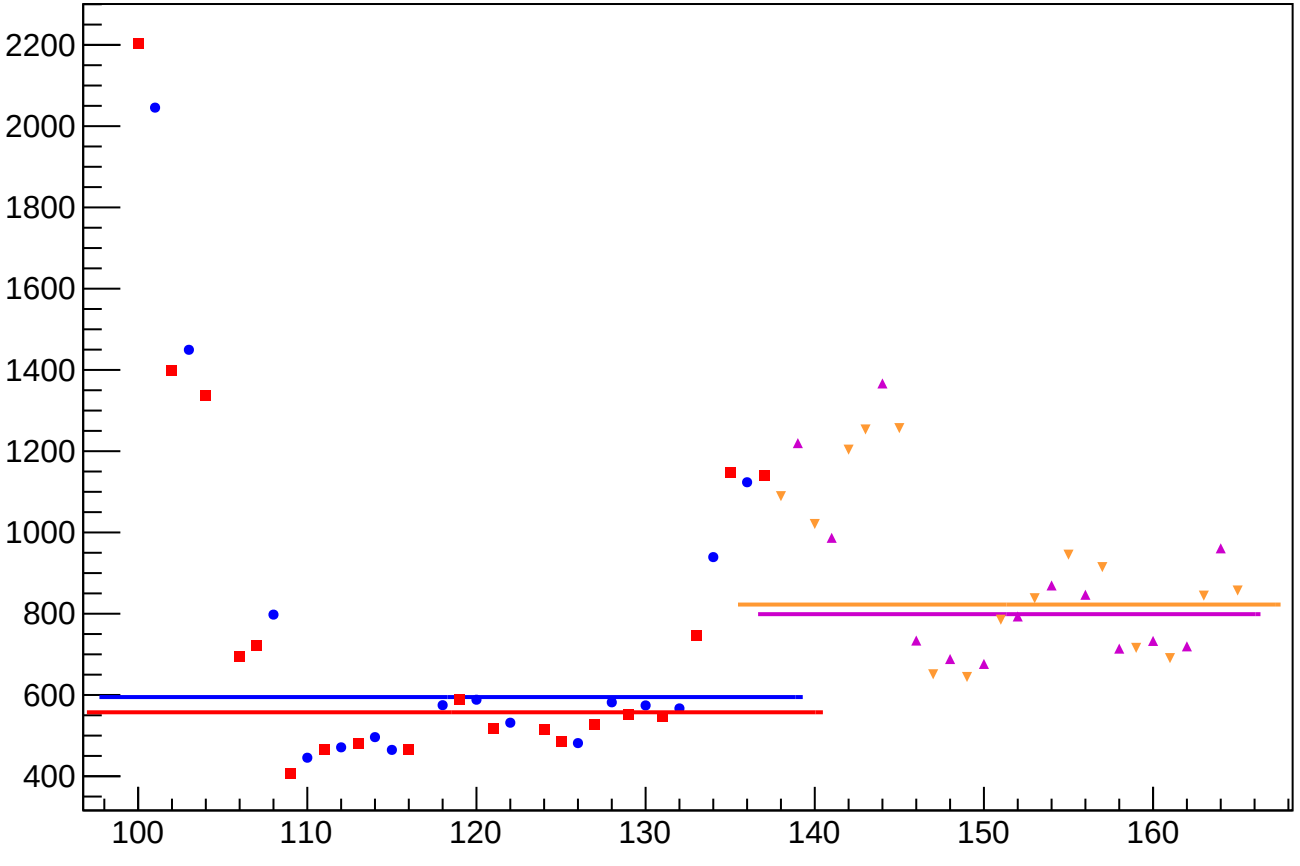
In: 2763.229+/-0.463 χ^2/NDF:755675.6/28

Out: 2757.827+/-0.447 χ^2/NDF:210177.1/33

All: 2760.437+/-0.322 χ^2/NDF: 965923.2/62


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
Right In: 7.048+/-237.455 χ²/NDF: 22.8/15
Left Out: -1128.108+/-246.016 χ²/NDF:29.4/14
Right Out: 607.647+/-217.093 χ²/NDF: 12.2/18
Left In: 252.560+/-246.454 χ²/NDF:6.0/12
Left: -439.004+/-174.114 χ²/NDF: 51.2/27
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 125.240+/-170.999 χ²/NDF:29.4/28
Out: -152.250+/-162.778 χ²/NDF:69.5/33
All: -20.335+/-117.901 χ²/NDF: 100.3/62

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 822.564+/-0.174 χ^2/NDF:1004310.1/14

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 798.898+/-0.174 χ^2/NDF:795222.6/12

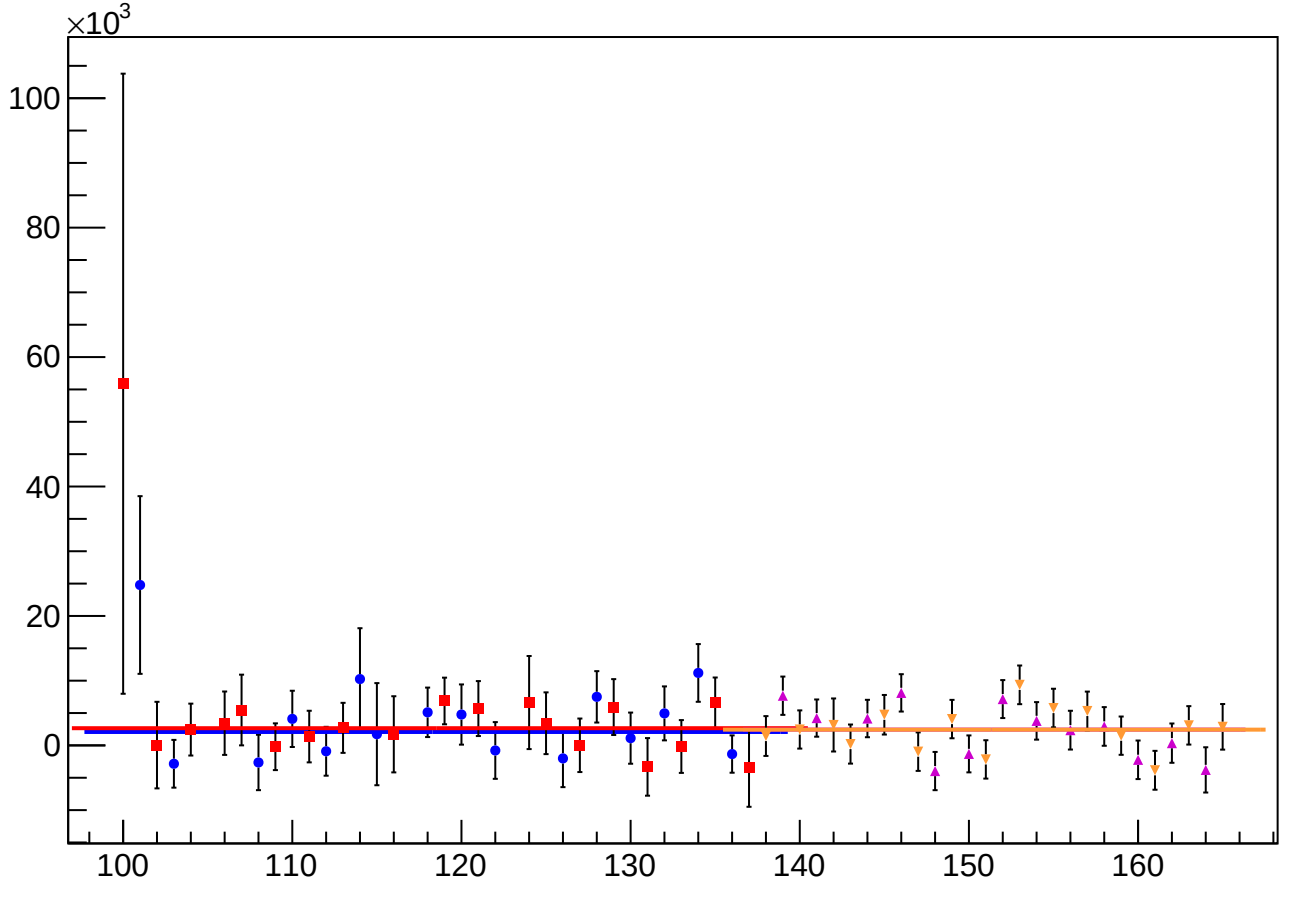
Left: 810.752+/-0.123 χ^2/NDF: 1808770.3/27

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 693.085+/-0.121 χ^2/NDF:3358786.3/28

Out: 673.485+/-0.115 χ^2/NDF:3941918.6/33

All: 682.802+/-0.083 χ^2/NDF: 7314489.5/62



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2433.734+/-792.570 χ^2/NDF:17.3/14

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2437.945+/-823.635 χ^2/NDF:23.1/12

Left: 2435.759+/-571.098 χ^2/NDF: 40.4/27

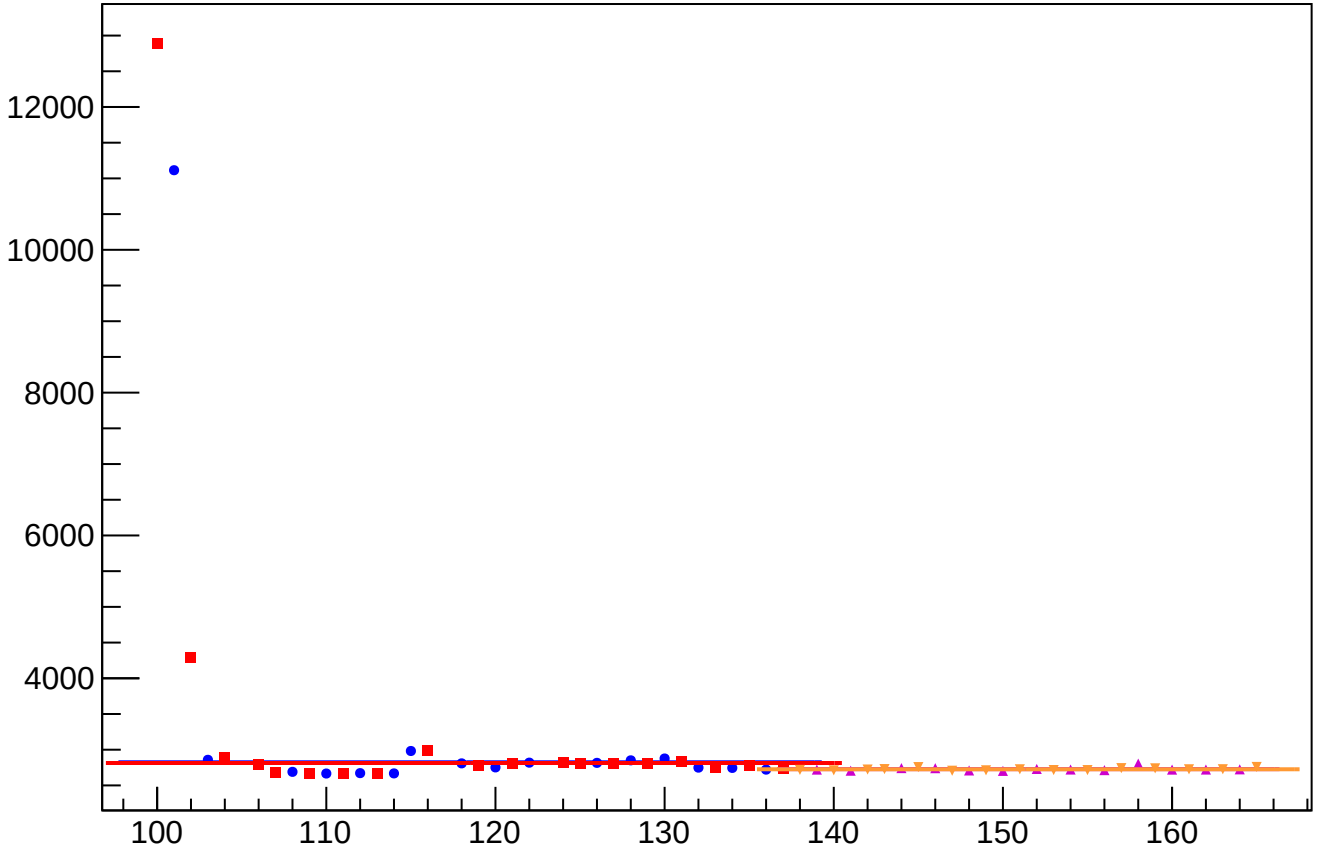
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2303.953+/-654.288 χ^2/NDF:41.0/28

Out: 2514.893+/-632.558 χ^2/NDF:27.3/33

All: 2412.984+/-454.774 χ^2/NDF: 68.4/62

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2725.915+/-0.560 χ^2/NDF:733.7/14

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

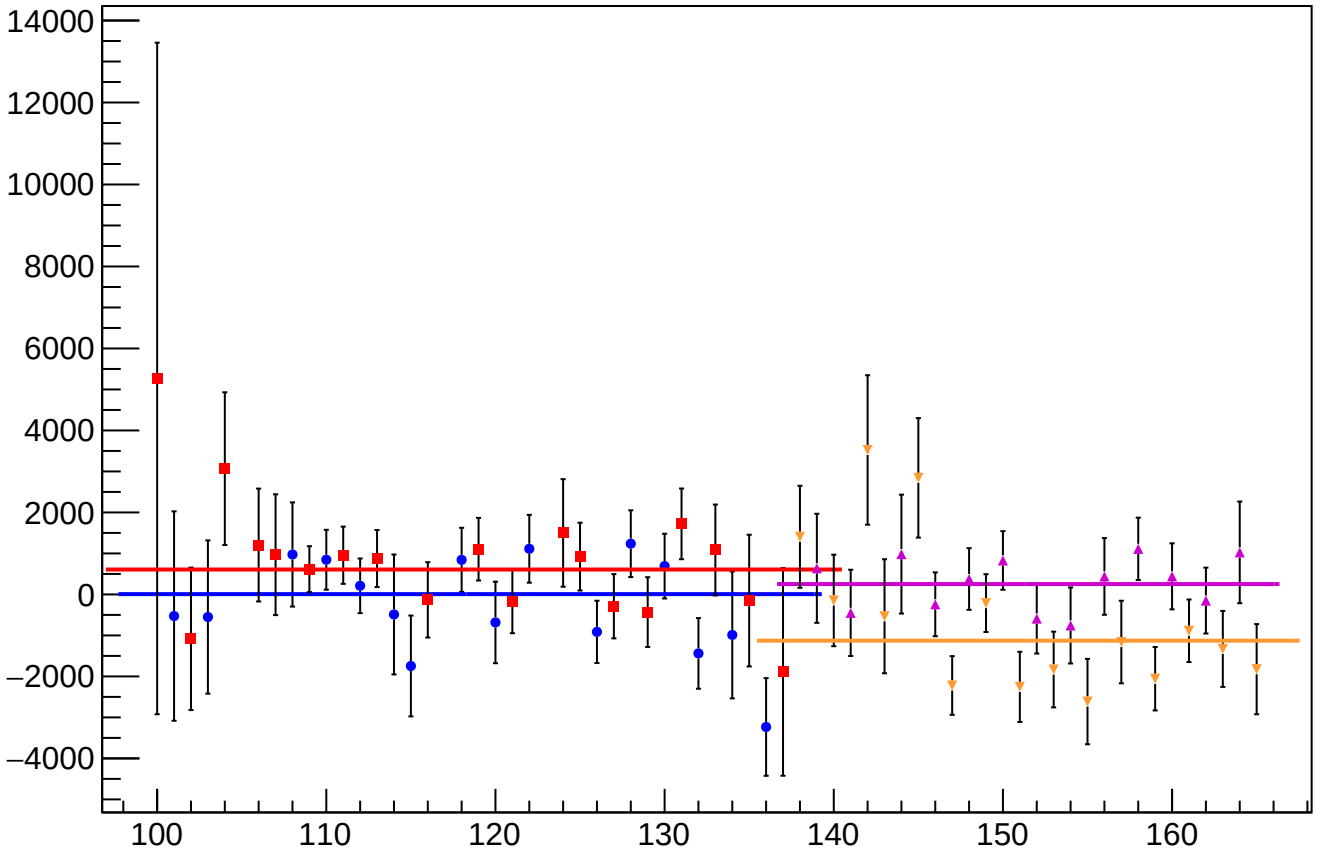
Left: 2726.928+/-0.404 χ^2/NDF: 2594.9/27

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.229+/-0.463 χ^2/NDF:755675.6/28

Out: 2757.827+/-0.447 χ^2/NDF:210176.9/33

All: 2760.437+/-0.322 χ^2/NDF: 965922.9/62



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1128.109+/-246.016 χ^2/NDF:29.4/14

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 252.560+/-246.454 χ^2/NDF:6.0/12

Left: -439.004+/-174.114 χ^2/NDF: 51.2/27

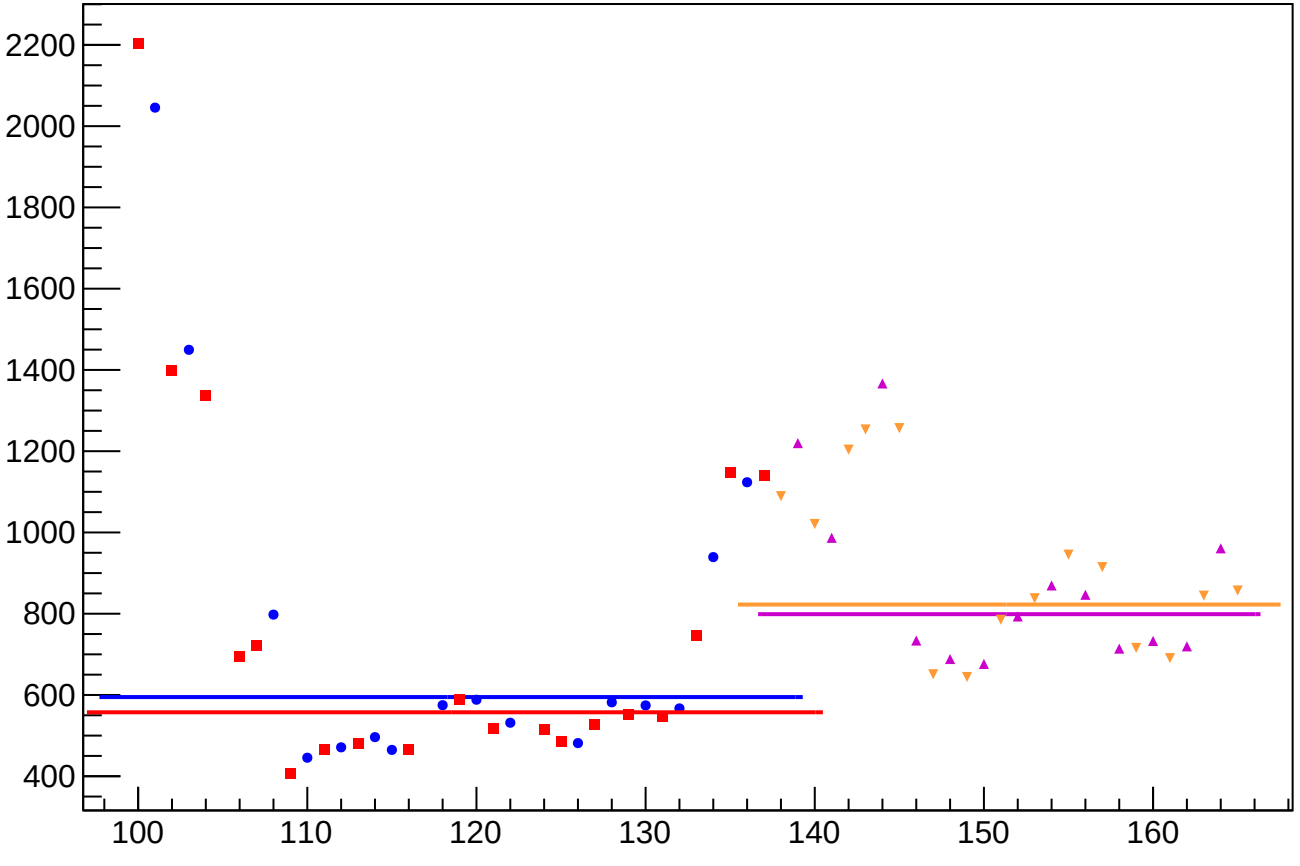
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 125.240+/-170.999 χ^2/NDF:29.4/28

Out: -152.250+/-162.778 χ^2/NDF:69.5/33

All: -20.335+/-117.901 χ^2/NDF: 100.3/62

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 822.564+/-0.174 χ^2/NDF:1004312.1/14

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 798.898+/-0.174 χ^2/NDF:795224.7/12

Left: 810.752+/-0.123 χ^2/NDF: 1808774.6/27

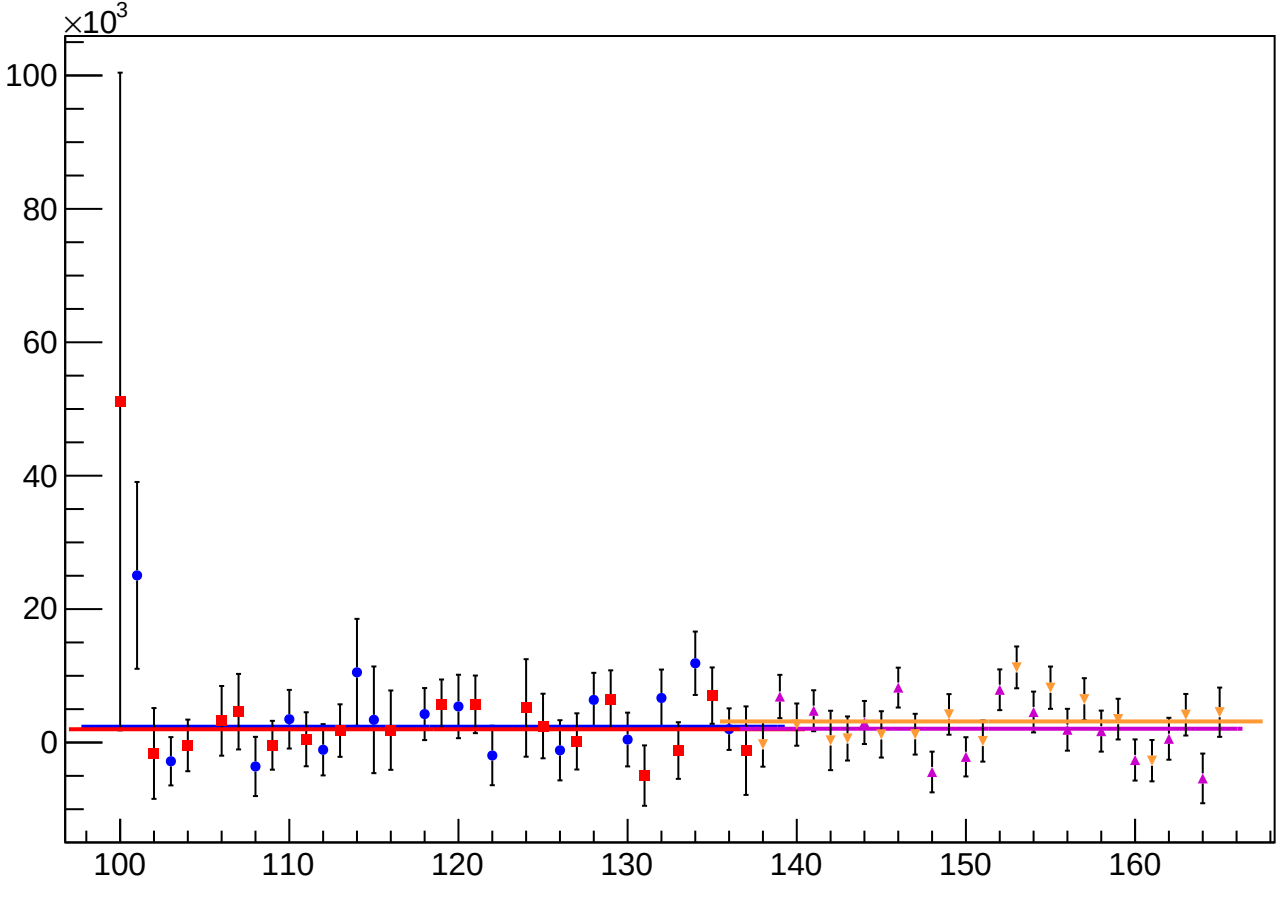
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 693.085+/-0.121 χ^2/NDF:3358778.5/28

Out: 673.485+/-0.115 χ^2/NDF:3941916.2/33

All: 682.802+/-0.083 χ^2/NDF: 7314479.5/62

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3160.218+/-838.015 χ^2/NDF:18.0/14

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2064.437+/-866.524 χ^2/NDF:24.8/12

Left: 2630.649+/-602.393 χ^2/NDF: 43.6/27

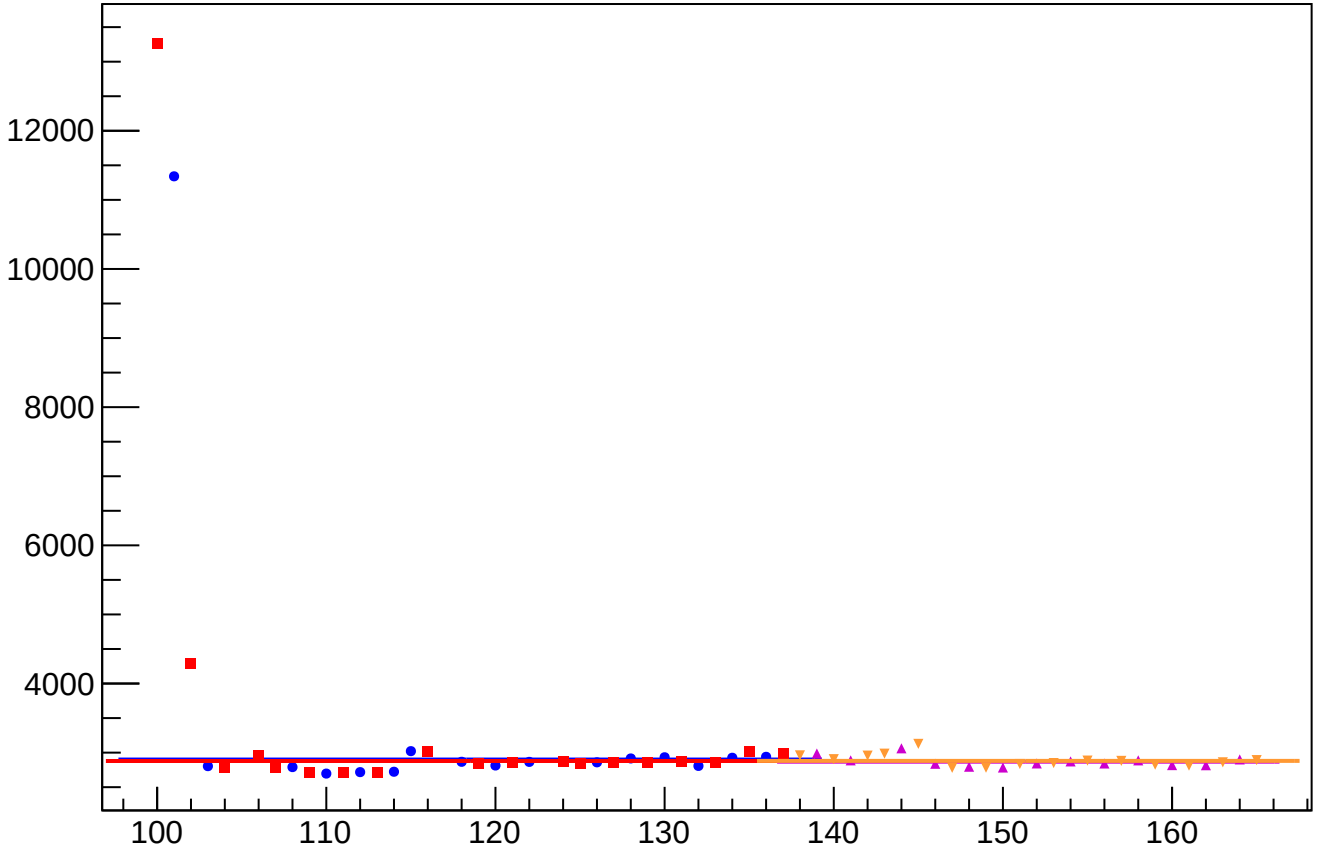
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2179.559+/-682.152 χ^2/NDF:41.7/28

Out: 2716.925+/-660.994 χ^2/NDF:29.0/33

All: 2456.705+/-474.697 χ^2/NDF: 71.0/62

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.547+/-0.593 χ^2/NDF:20530.7/14

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2868.988+/-0.613 χ^2/NDF:14462.4/12

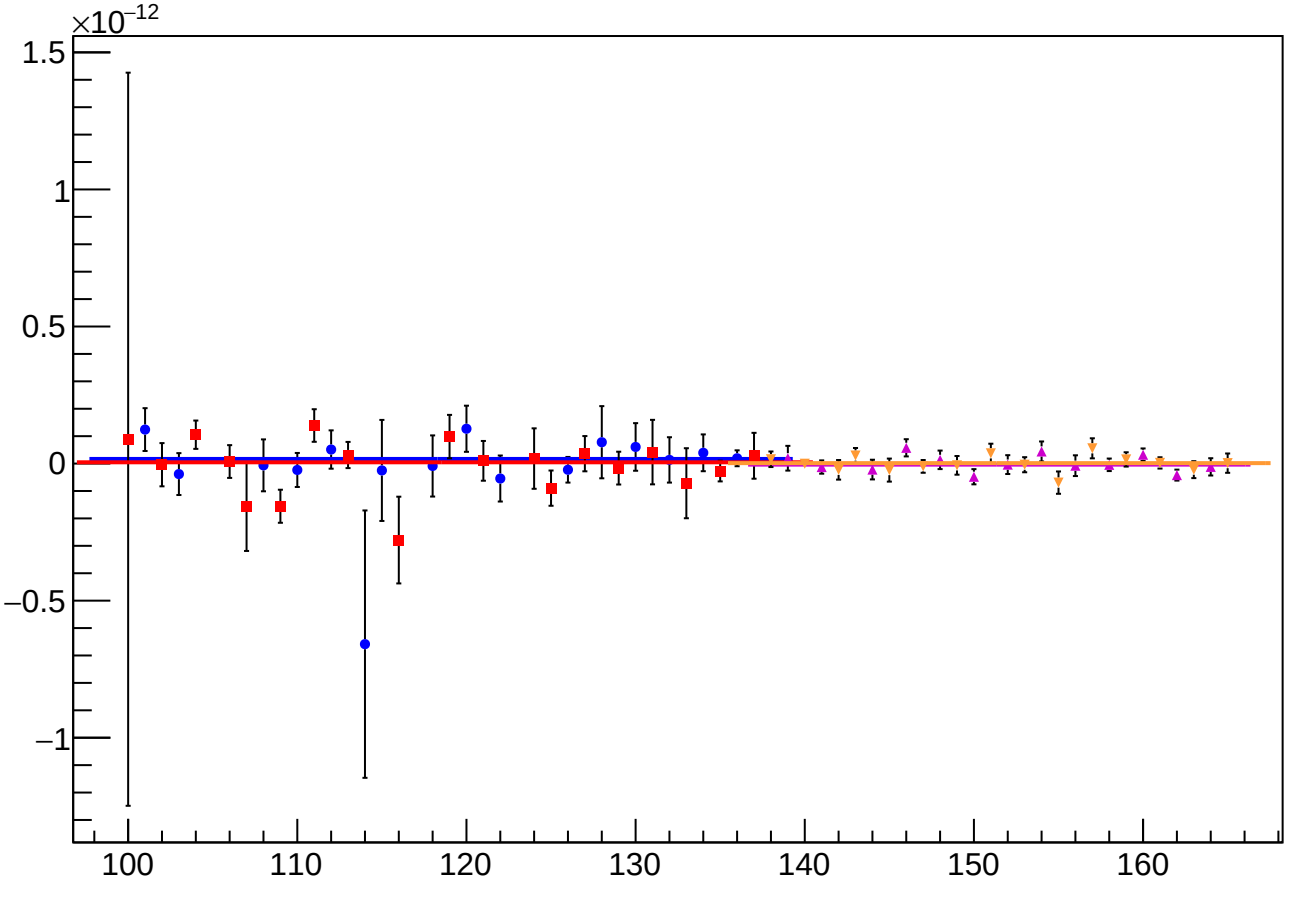
Left: 2874.960+/-0.426 χ^2/NDF: 35177.1/27

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.715+/-0.482 χ^2/NDF:757243.9/28

Out: 2879.946+/-0.467 χ^2/NDF:213815.9/33

All: 2880.318+/-0.336 χ^2/NDF: 971061.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/12

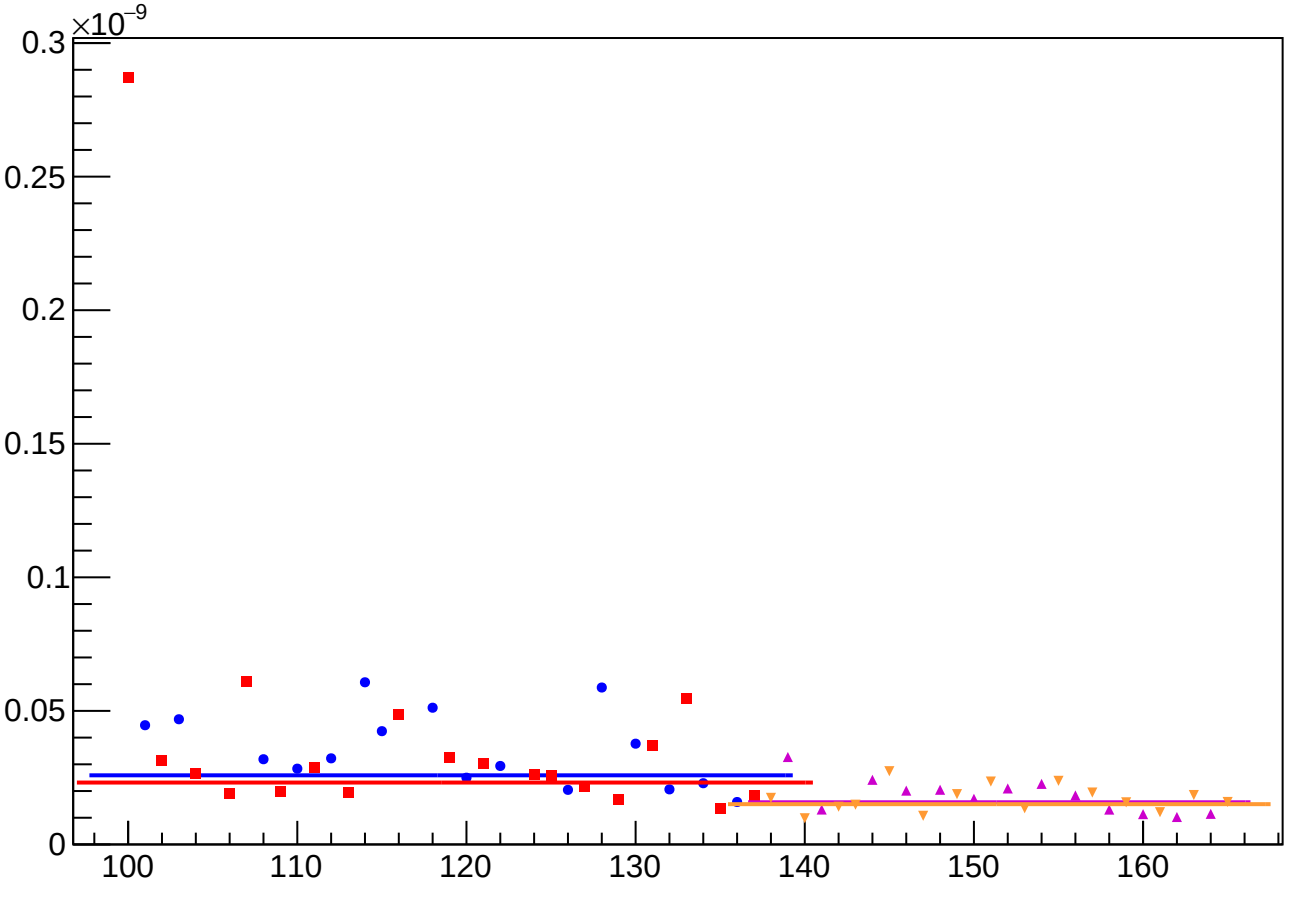
Left: -0.000+/-0.000 χ^2/NDF: 25.1/27

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:25.4/28

Out: 0.000+/-0.000 χ^2/NDF:35.3/33

All: 0.000+/-0.000 χ^2/NDF: 60.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:759017.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:917742.6/12

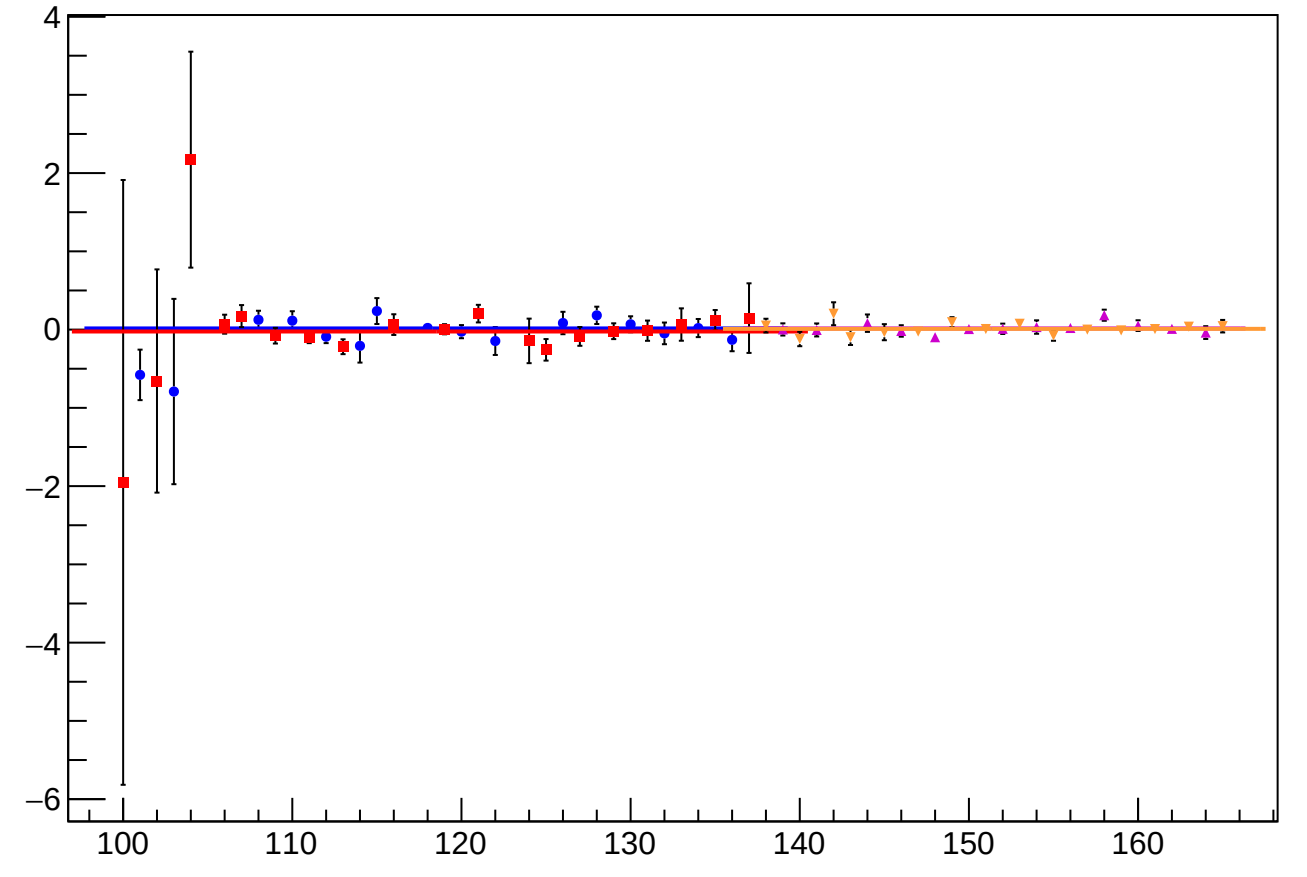
Left: 0.000+/-0.000 χ^2/NDF: 1685313.0/27

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2368637.8/28

Out: 0.000+/-0.000 χ^2/NDF:1884929.0/33

All: 0.000+/-0.000 χ^2/NDF: 4278876.6/62



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

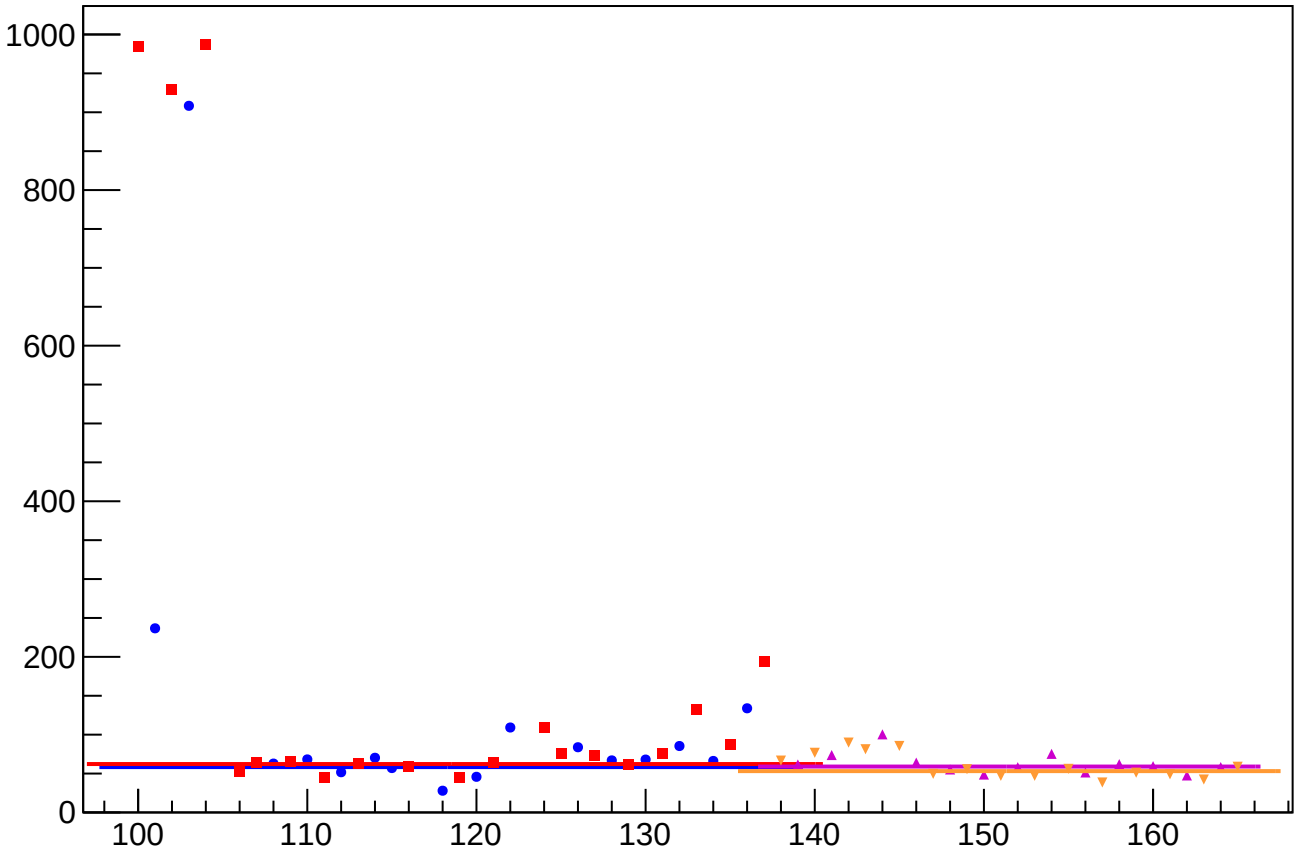
Left: 0.012+/-0.013 χ^2/NDF: 21.0/27

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.000+/-0.015 χ^2/NDF:32.6/33

All: 0.007+/-0.011 χ^2/NDF: 58.3/62



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.134+/-0.013 χ^2/NDF:946652.4/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

Left: 55.784+/-0.009 χ^2/NDF: 1655993.7/27

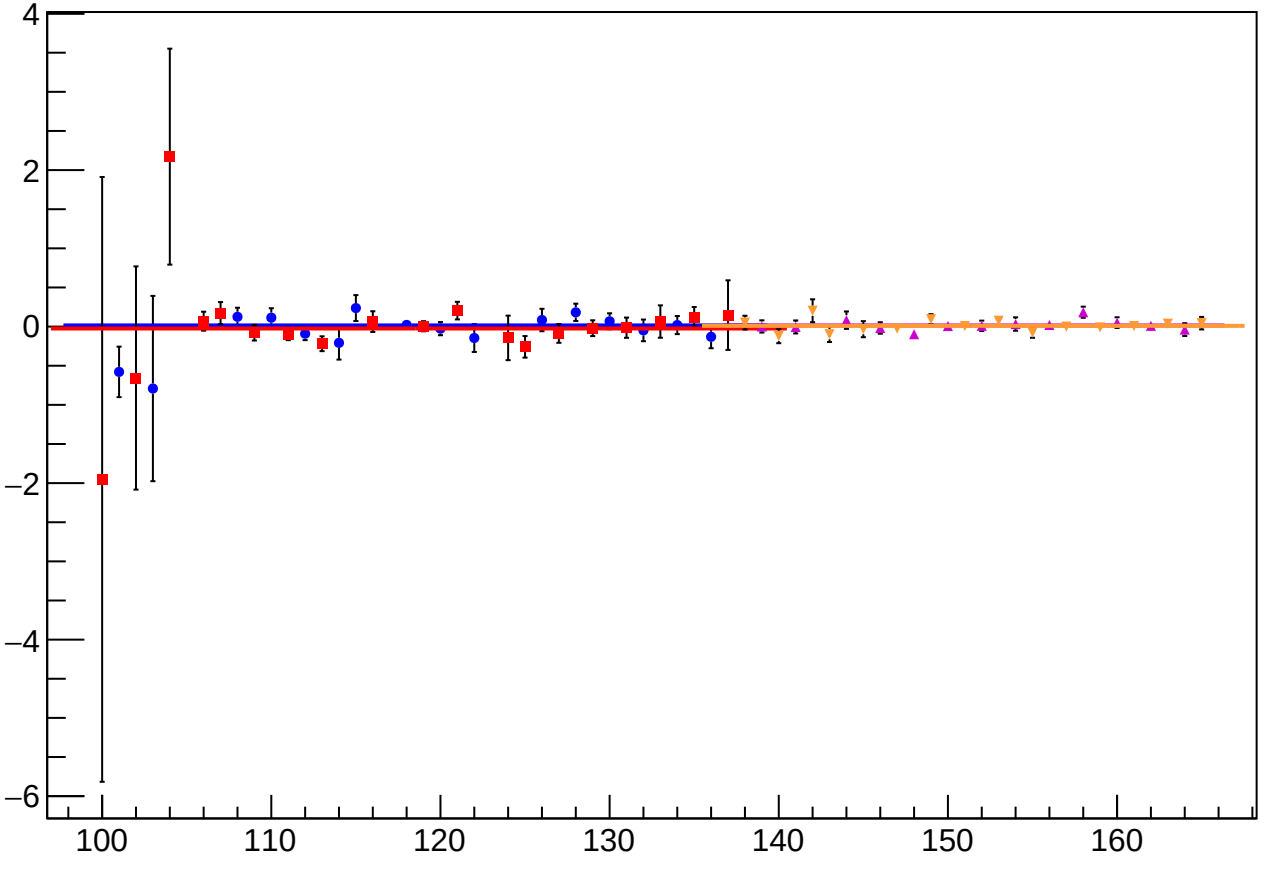
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.771+/-0.011 χ^2/NDF:3871554.8/28

Out: 55.732+/-0.011 χ^2/NDF:3724384.9/33

All: 57.153+/-0.008 χ^2/NDF: 7634471.9/62

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

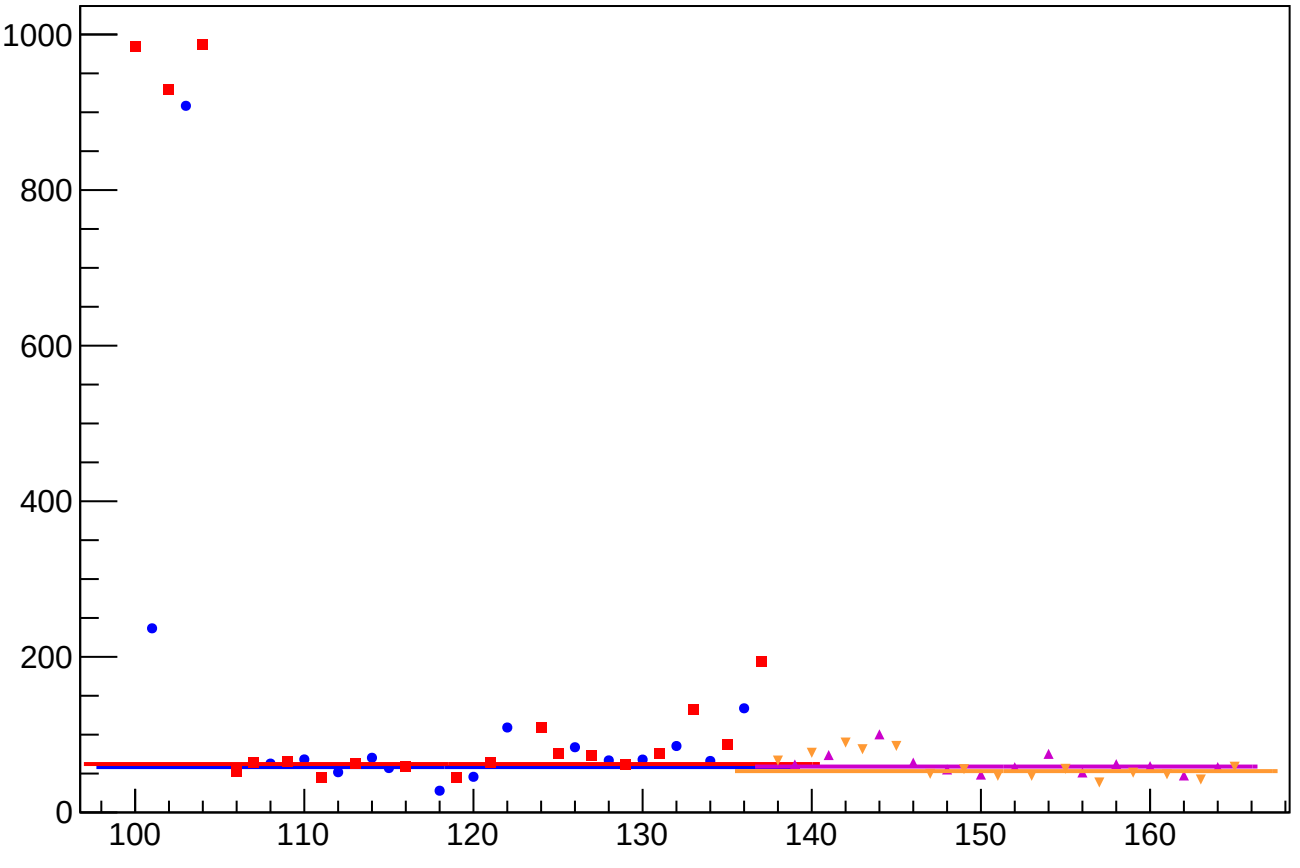
Left: 0.012+/-0.013 χ^2/NDF: 21.0/27

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.000+/-0.015 χ^2/NDF:32.6/33

All: 0.007+/-0.011 χ^2/NDF: 58.3/62



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.134+/-0.013 χ^2/NDF:946652.4/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

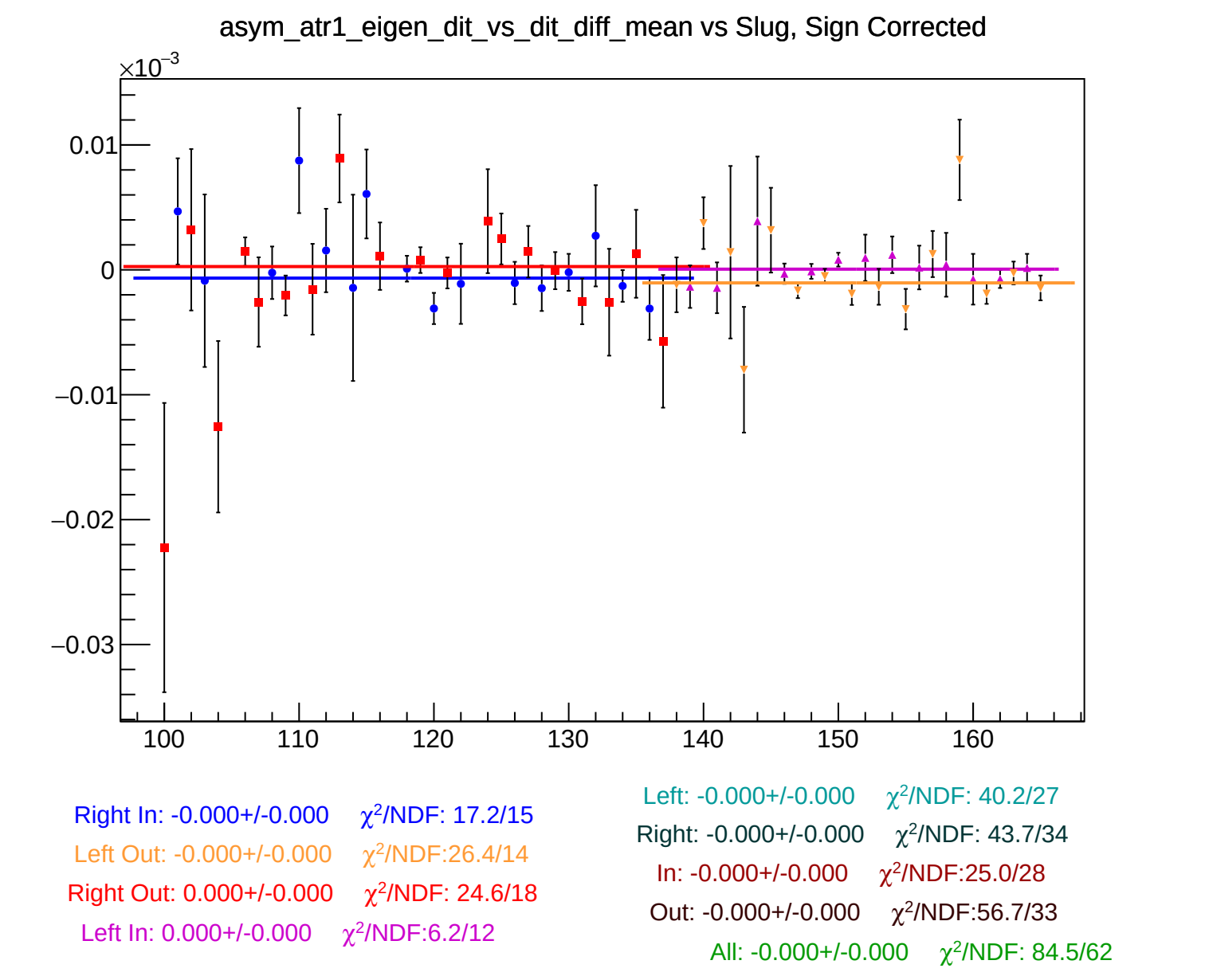
Left: 55.784+/-0.009 χ^2/NDF: 1655993.7/27

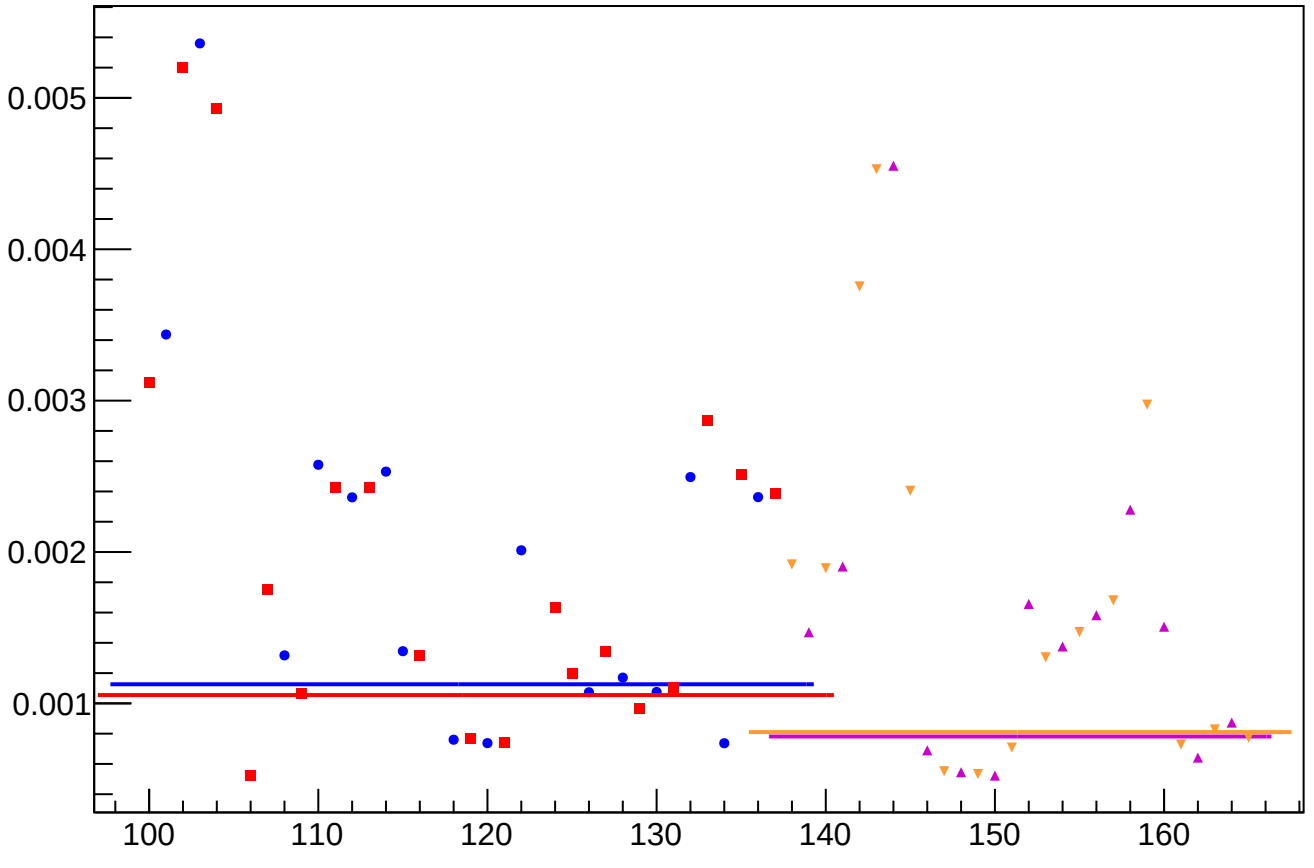
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.771+/-0.011 χ^2/NDF:3871554.8/28

Out: 55.732+/-0.011 χ^2/NDF:3724384.9/33

All: 57.153+/-0.008 χ^2/NDF: 7634471.9/62


asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:26.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 24.6/18
Left In: 0.000+/-0.000 χ²/NDF:6.2/12
Left: -0.000+/-0.000 χ²/NDF: 40.2/27
Right: -0.000+/-0.000 χ²/NDF: 43.7/34
In: -0.000+/-0.000 χ²/NDF:25.0/28
Out: -0.000+/-0.000 χ²/NDF:56.7/33
All: -0.000+/-0.000 χ²/NDF: 84.5/62



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5732584.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5002338.3/12

Left: 0.001+/-0.000 χ^2/NDF: 10745474.1/27

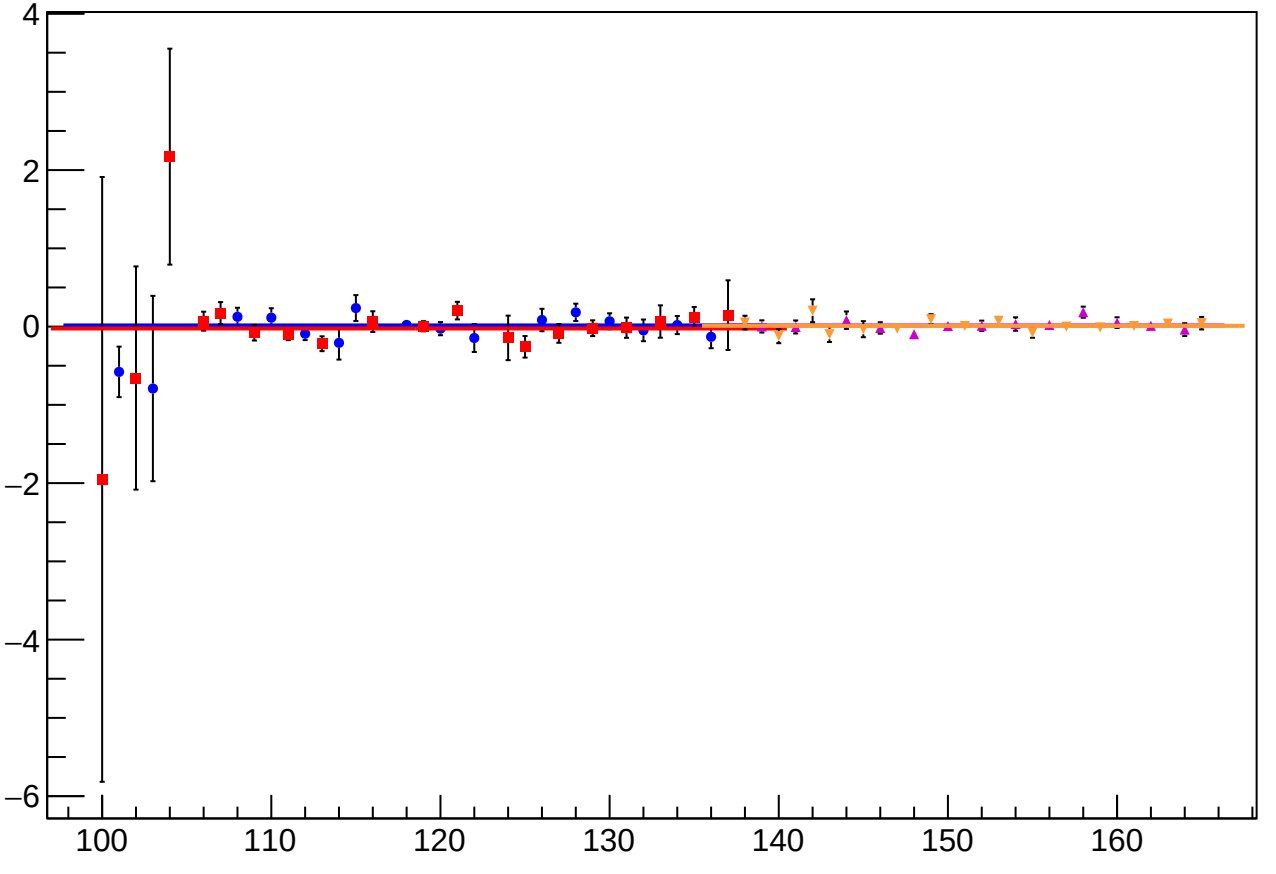
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9198249.7/28

Out: 0.001+/-0.000 χ^2/NDF:9985070.6/33

All: 0.001+/-0.000 χ^2/NDF: 19184681.2/62

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

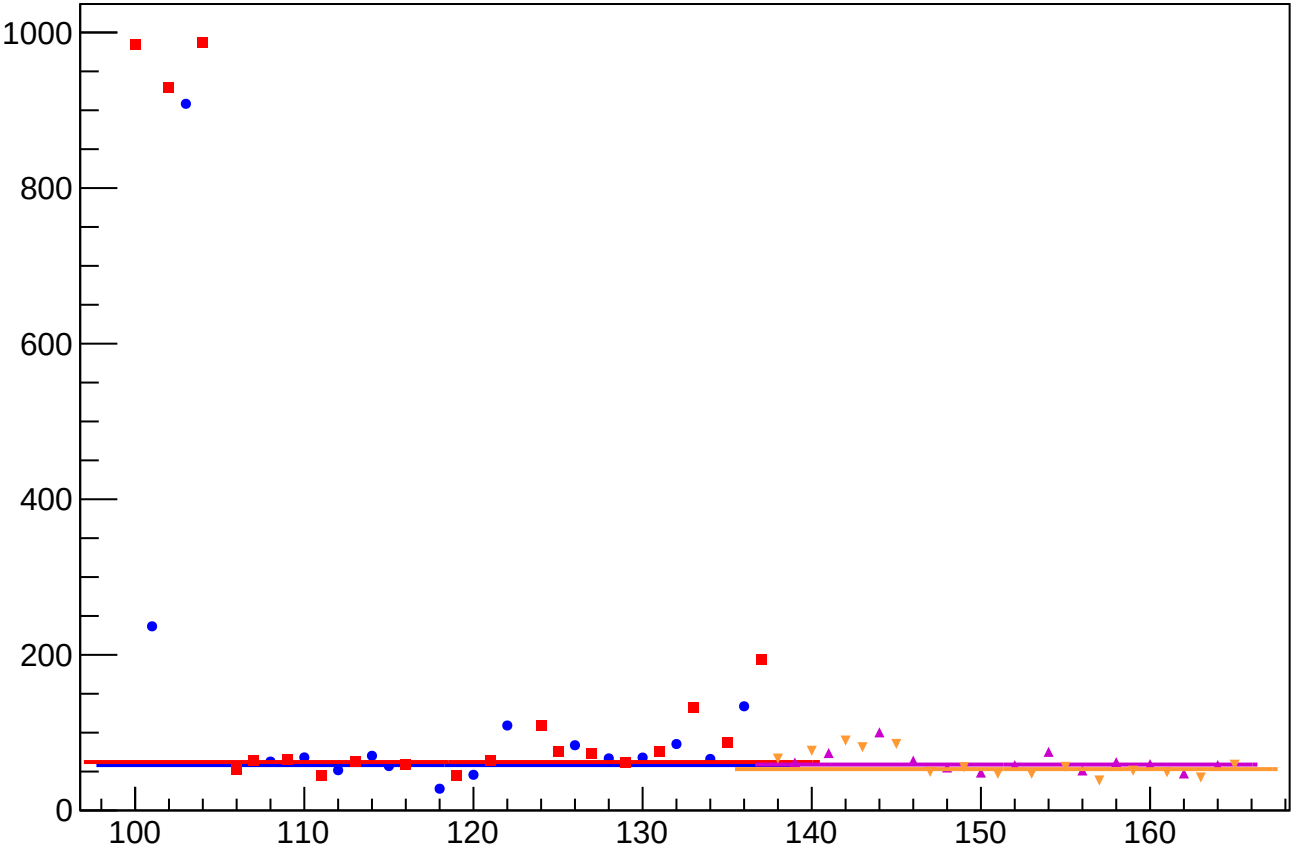
Left: 0.012+/-0.013 χ^2/NDF: 21.0/27

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.000+/-0.015 χ^2/NDF:32.6/33

All: 0.007+/-0.011 χ^2/NDF: 58.3/62



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.133+/-0.013 χ^2/NDF:946704.2/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

Left: 55.783+/-0.009 χ^2/NDF: 1656092.5/27

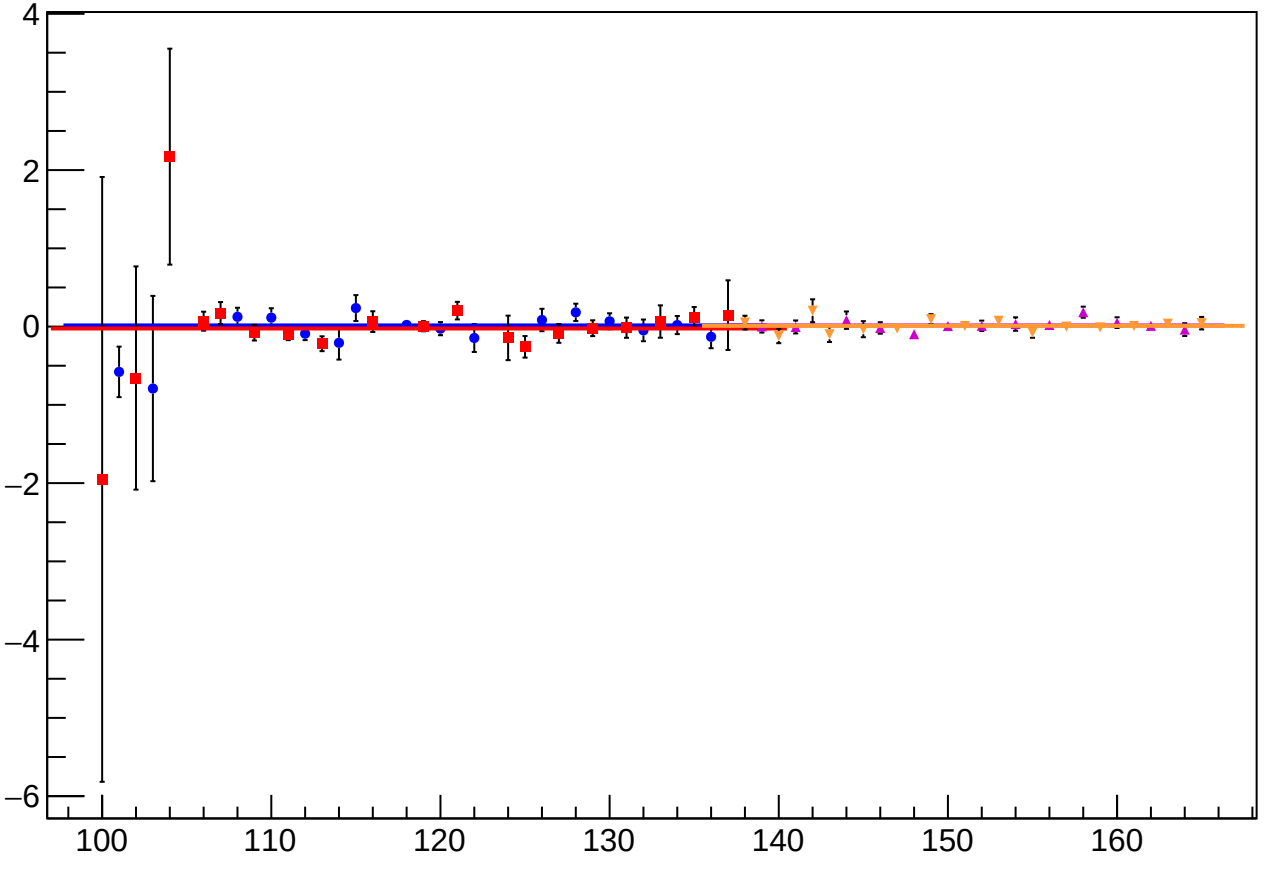
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.770+/-0.011 χ^2/NDF:3871659.9/28

Out: 55.731+/-0.011 χ^2/NDF:3724447.6/33

All: 57.153+/-0.008 χ^2/NDF: 7634647.1/62

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

Left: 0.012+/-0.013 χ^2/NDF: 21.0/27

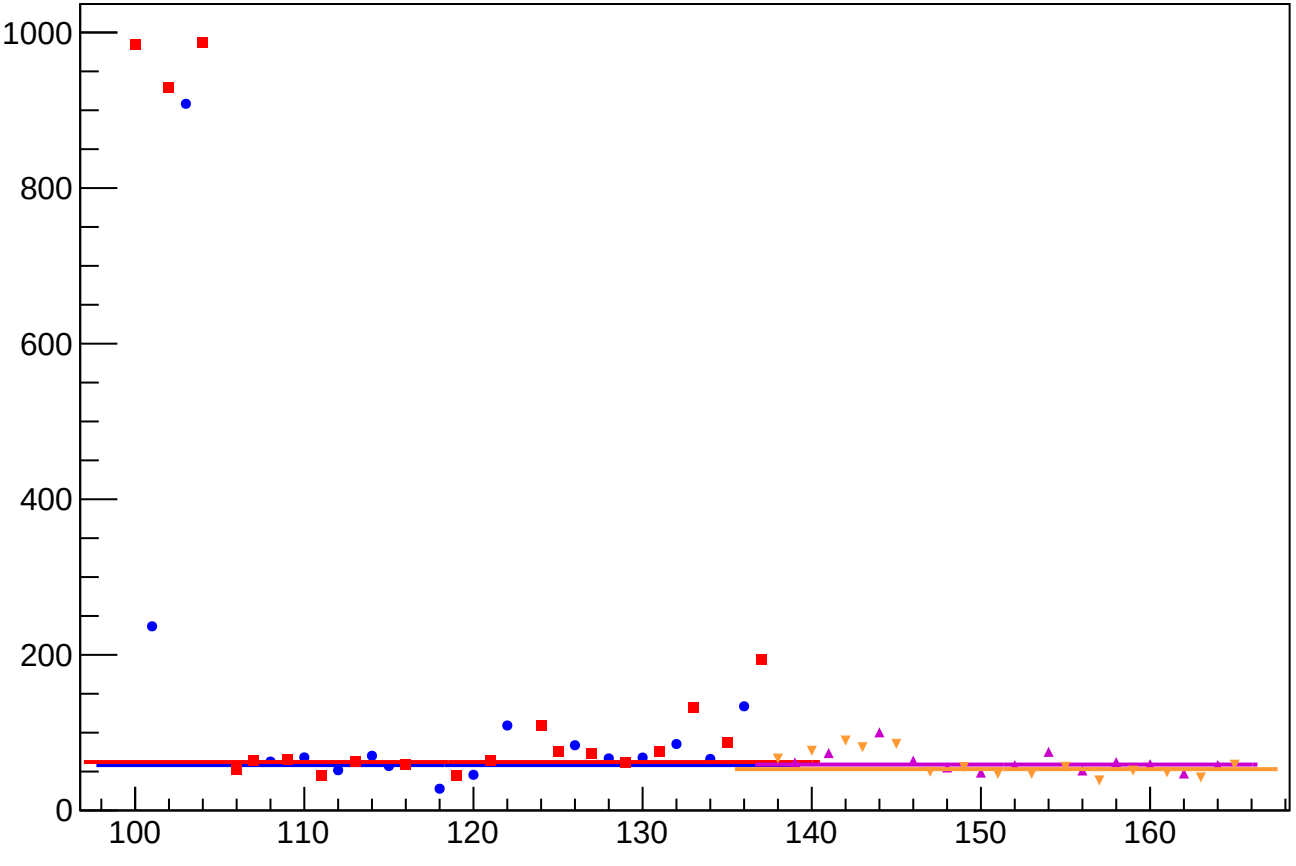
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.000+/-0.015 χ^2/NDF:32.6/33

All: 0.007+/-0.011 χ^2/NDF: 58.3/62

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.133+/-0.013 χ^2/NDF:946704.2/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

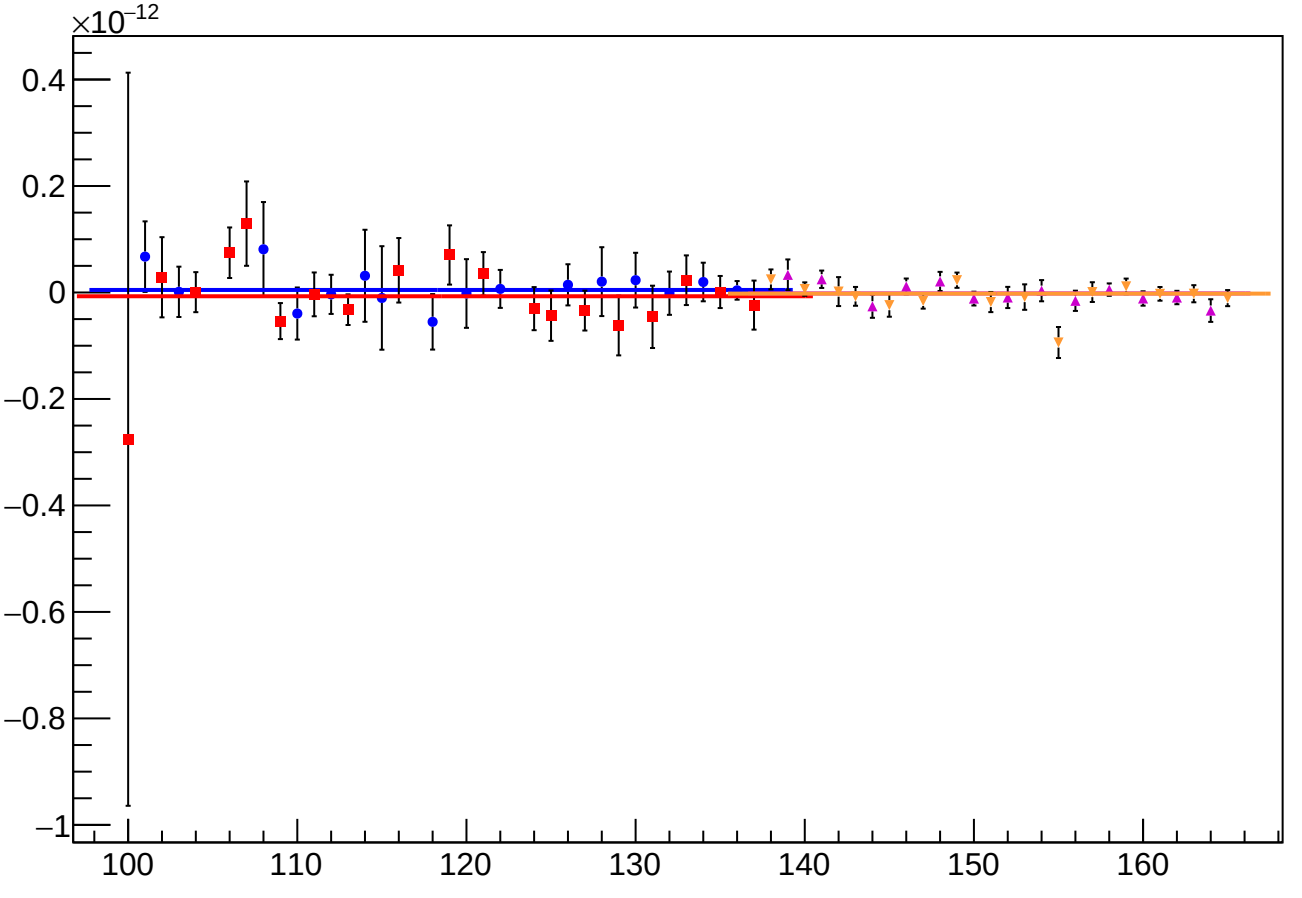
Left: 55.783+/-0.009 χ^2/NDF: 1656092.5/27

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.770+/-0.011 χ^2/NDF:3871659.9/28

Out: 55.731+/-0.011 χ^2/NDF:3724447.6/33

All: 57.153+/-0.008 χ^2/NDF: 7634647.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/12

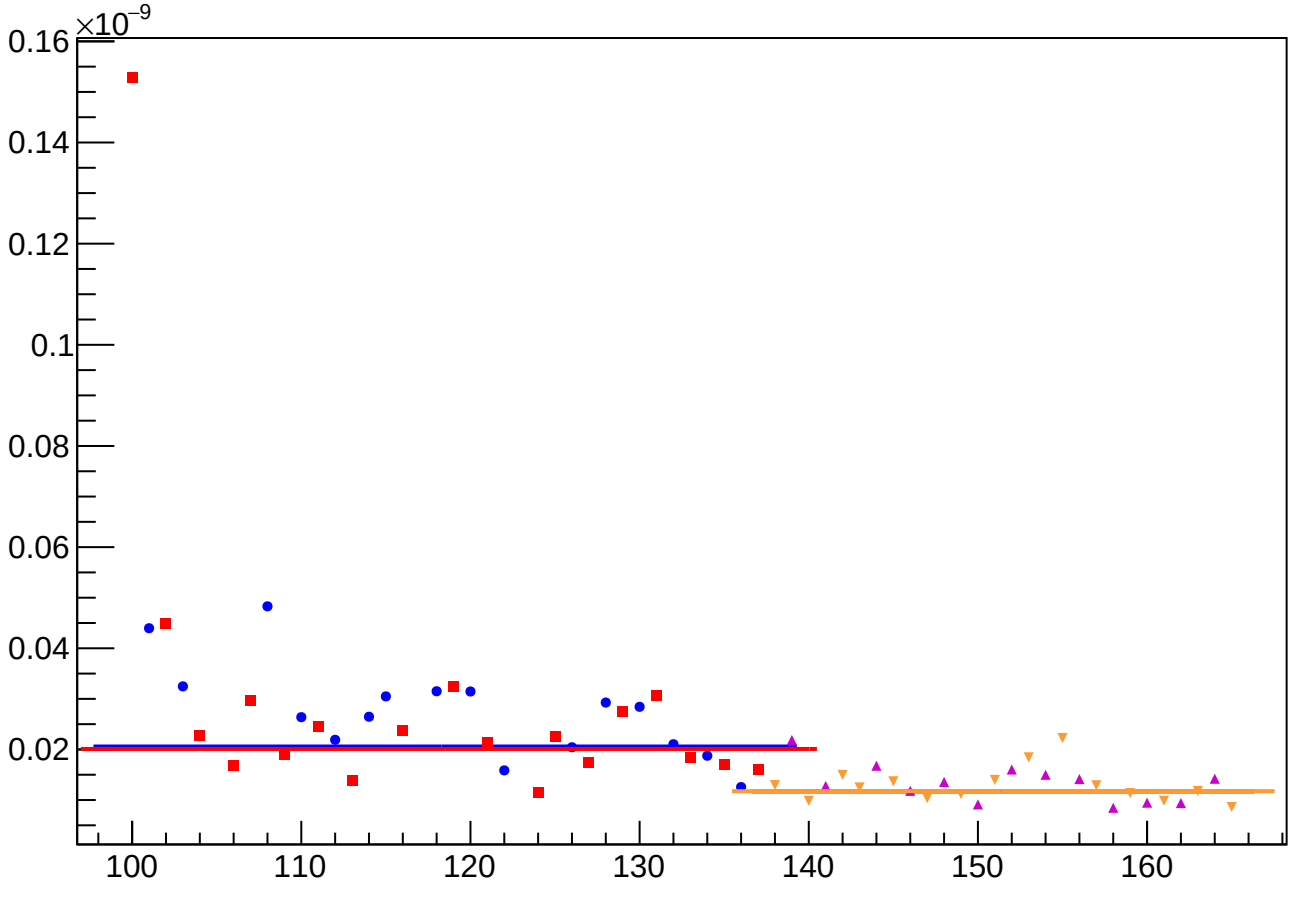
Left: -0.000+/-0.000 χ^2/NDF: 32.1/27

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:17.3/28

Out: -0.000+/-0.000 χ^2/NDF:35.8/33

All: -0.000+/-0.000 χ^2/NDF: 53.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:704799.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:951276.0/12

Left: 0.000+/-0.000 χ^2/NDF: 1656264.4/27

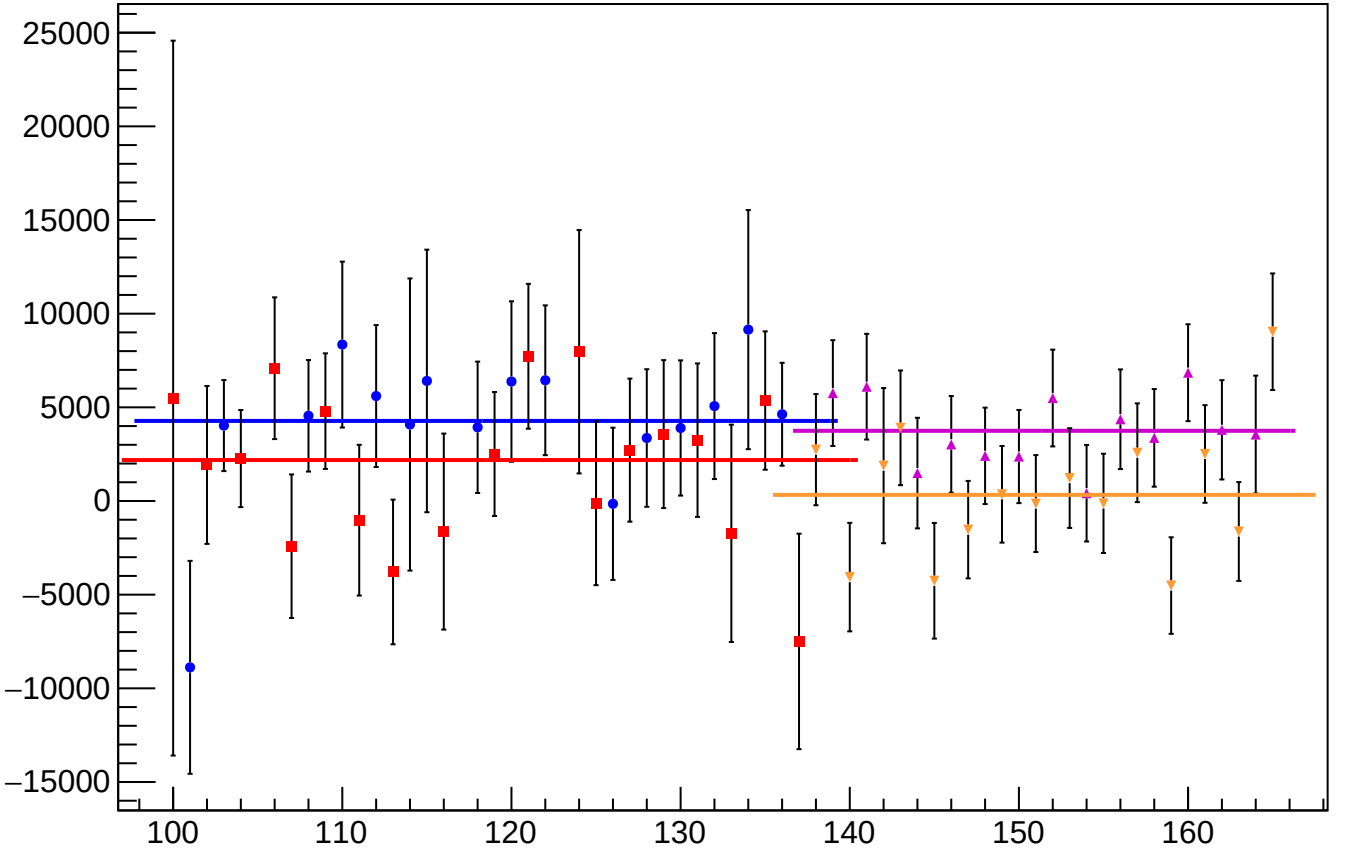
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3533808.8/28

Out: 0.000+/-0.000 χ^2/NDF:2666936.1/33

All: 0.000+/-0.000 χ^2/NDF: 6201010.6/62

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 327.122+/-721.219 χ^2/NDF:20.7/14

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3747.074+/-743.107 χ^2/NDF:6.1/12

Left: 1985.989+/-517.544 χ^2/NDF: 37.7/27

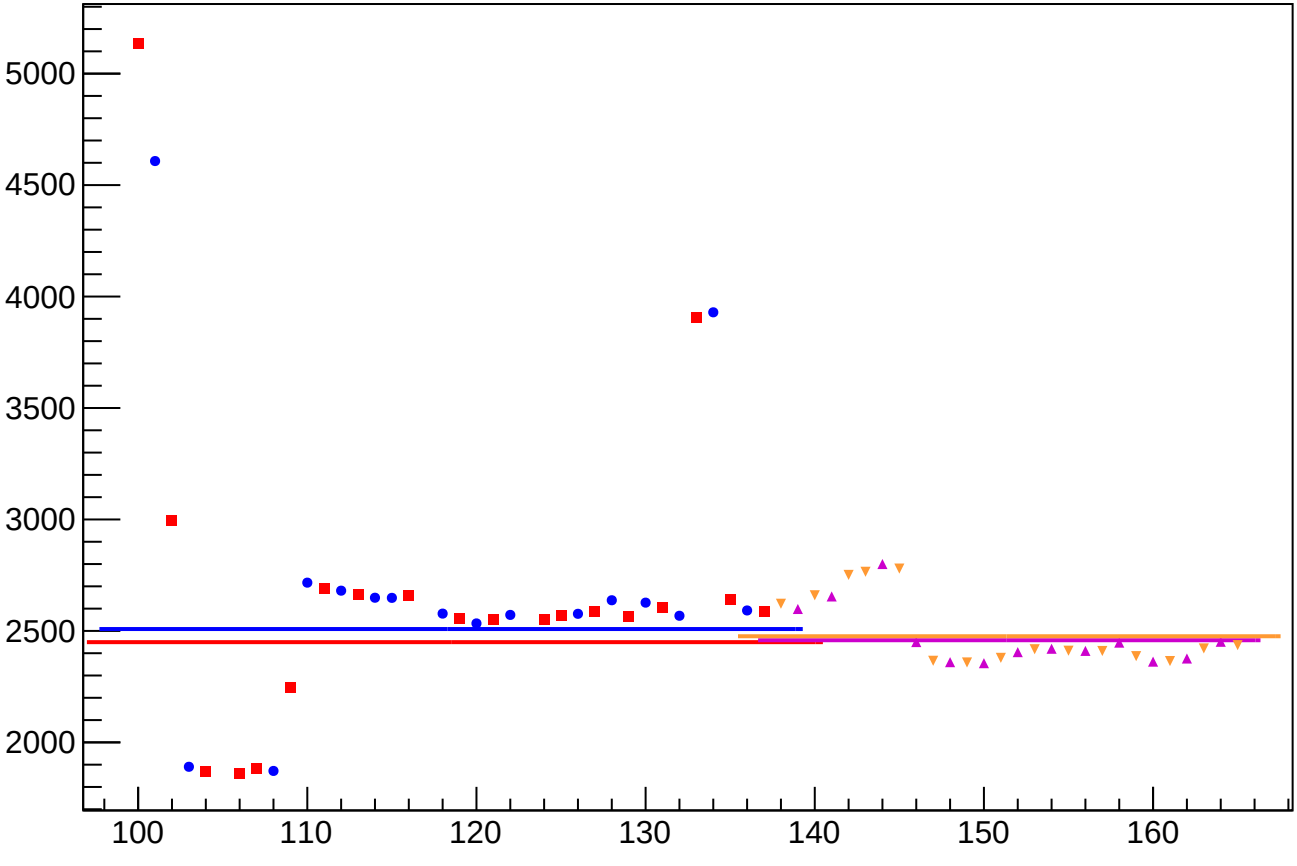
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3946.734+/-585.768 χ^2/NDF:15.2/28

Out: 1032.772+/-568.092 χ^2/NDF:38.0/33

All: 2445.123+/-407.807 χ^2/NDF: 65.9/62

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.6/12

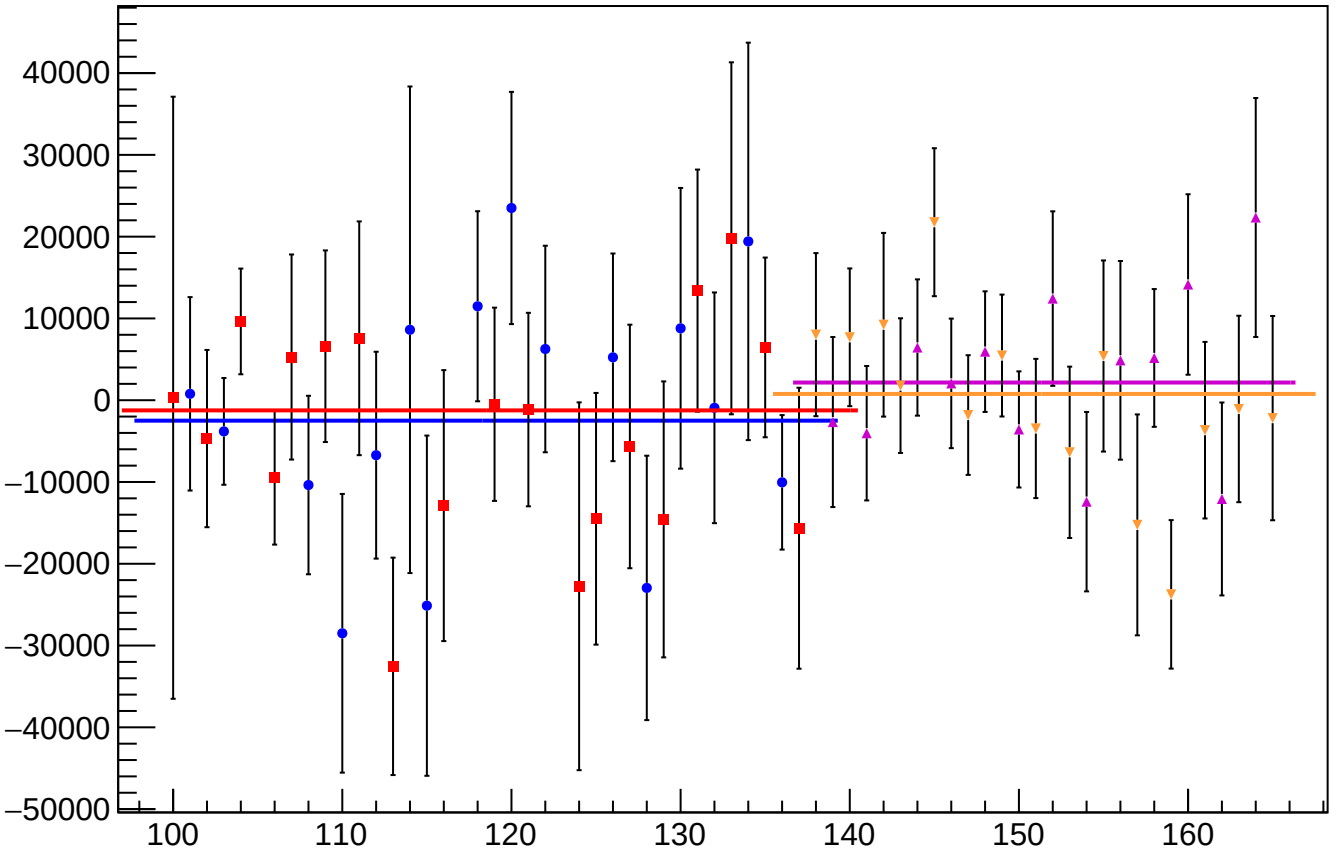
Left: 2467.432+/-0.366 χ^2/NDF: 135159.5/27

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2477.255+/-0.414 χ^2/NDF:669533.2/28

Out: 2466.047+/-0.402 χ^2/NDF:518004.9/33

All: 2471.479+/-0.288 χ^2/NDF: 1187915.4/62



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 766.561+/-2452.393 χ^2/NDF:17.5/14

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2161.531+/-2576.346 χ^2/NDF:9.4/12

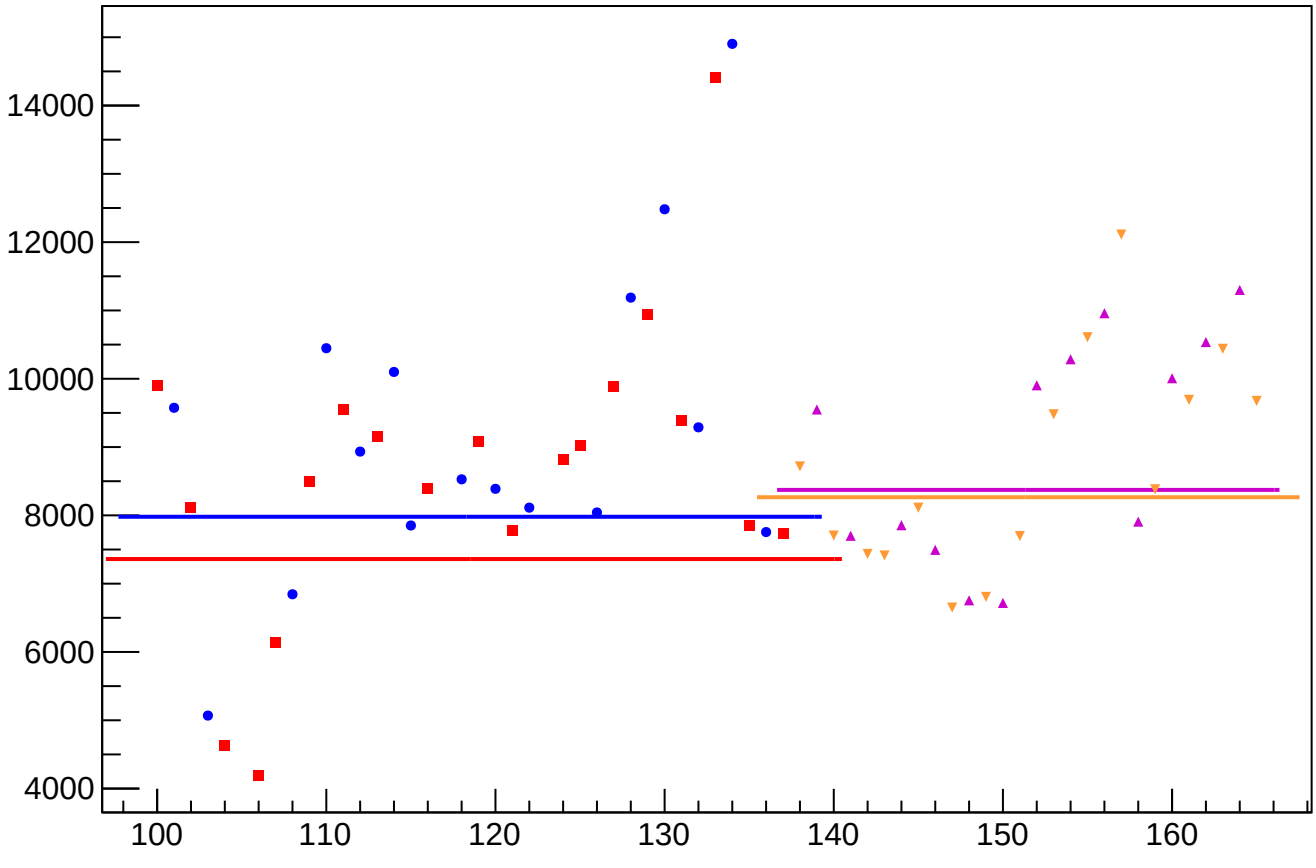
Left: 1429.682+/-1776.308 χ^2/NDF: 27.0/27

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: 239.081+/-1974.977 χ^2/NDF:24.5/28

Out: -88.004+/-1859.678 χ^2/NDF:34.4/33

All: 65.713+/-1353.918 χ^2/NDF: 58.9/62



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8265.627+/-1.734 χ^2/NDF:631814.5/14

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8372.852+/-1.822 χ^2/NDF:666308.7/12

Left: 8316.598+/-1.256 χ^2/NDF: 1299940.7/27

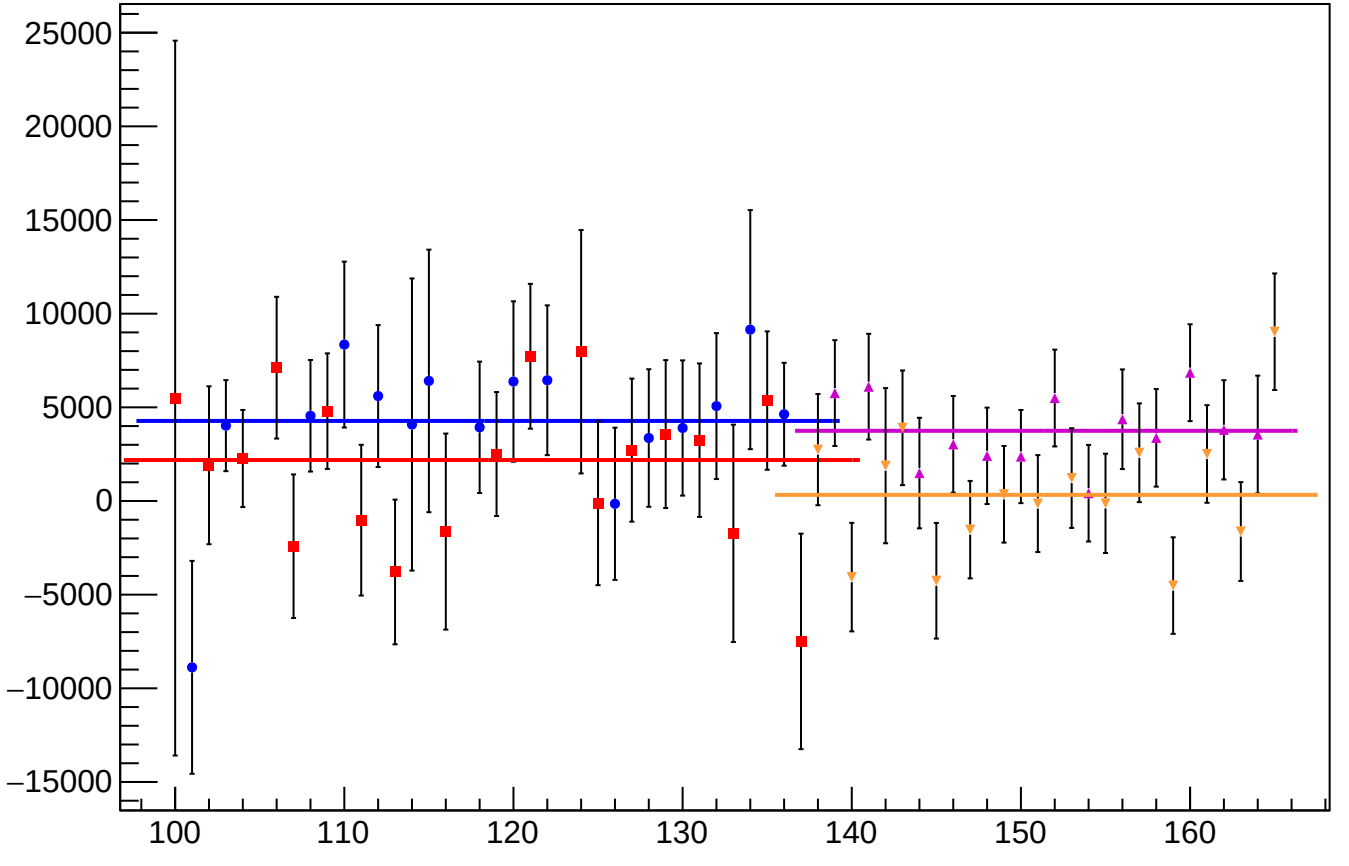
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8210.647+/-1.397 χ^2/NDF:1608618.2/28

Out: 7881.084+/-1.315 χ^2/NDF:2033537.9/33

All: 8035.965+/-0.957 χ^2/NDF: 3671674.4/62

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 326.881+/-721.219 χ^2/NDF:20.7/14

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3747.073+/-743.107 χ^2/NDF:6.1/12

Left: 1985.865+/-517.544 χ^2/NDF: 37.7/27

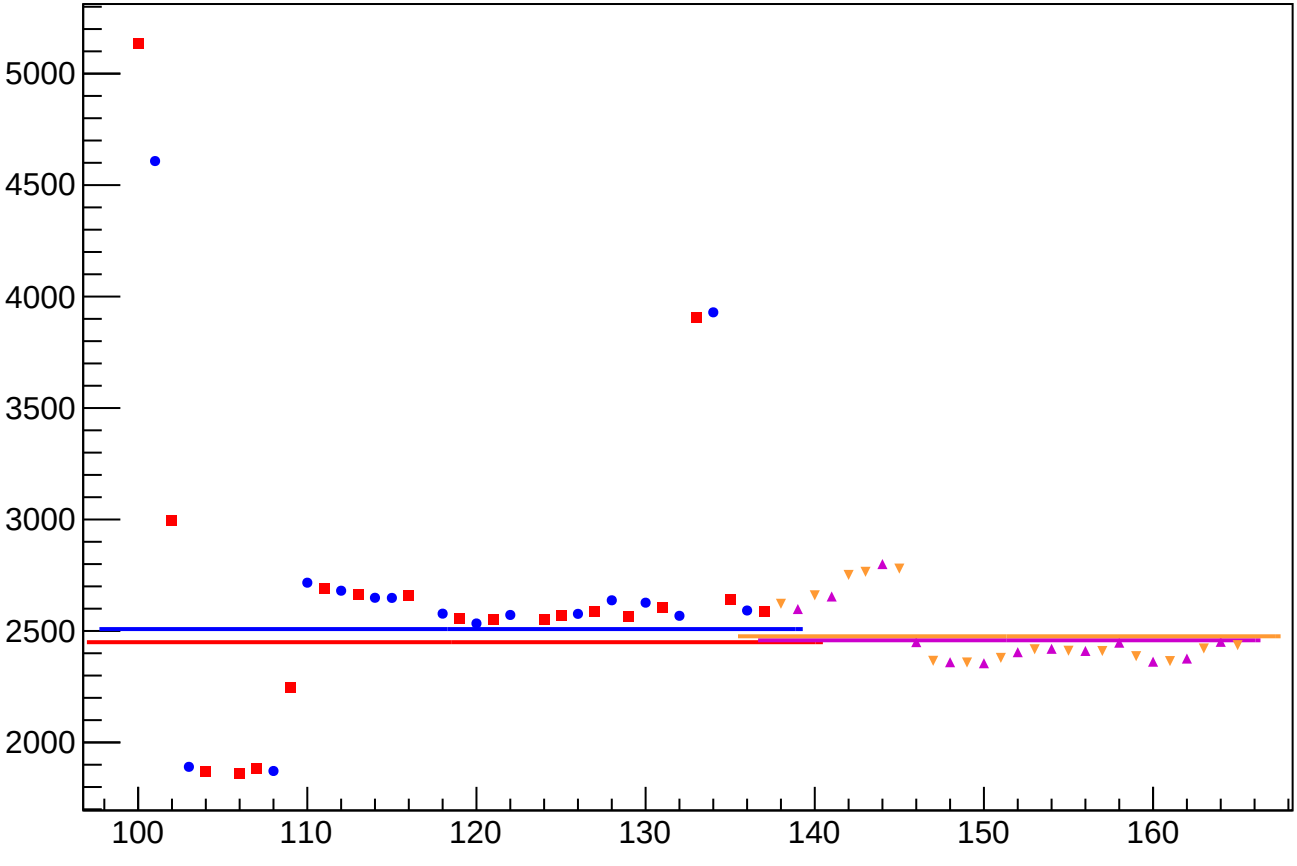
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3946.548+/-585.768 χ^2/NDF:15.2/28

Out: 1032.852+/-568.093 χ^2/NDF:38.1/33

All: 2445.078+/-407.808 χ^2/NDF: 66.0/62

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

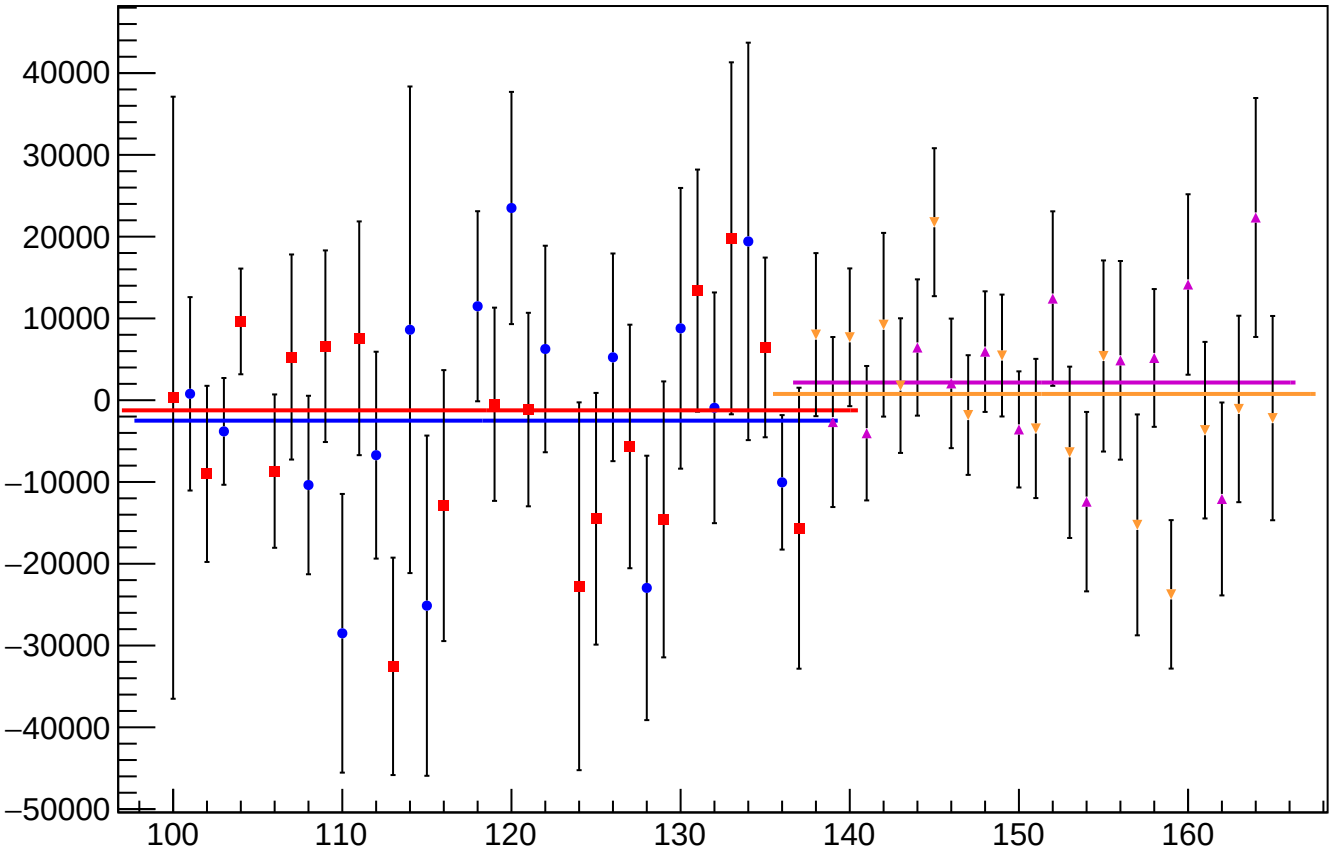
Left: 2467.432+/-0.366 χ^2/NDF: 135159.5/27

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2477.255+/-0.414 χ^2/NDF:669531.2/28

Out: 2466.057+/-0.402 χ^2/NDF:517948.6/33

All: 2471.484+/-0.288 χ^2/NDF: 1187856.4/62



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 766.554+/-2452.389 χ^2/NDF:17.5/14

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2161.654+/-2576.347 χ^2/NDF:9.4/12

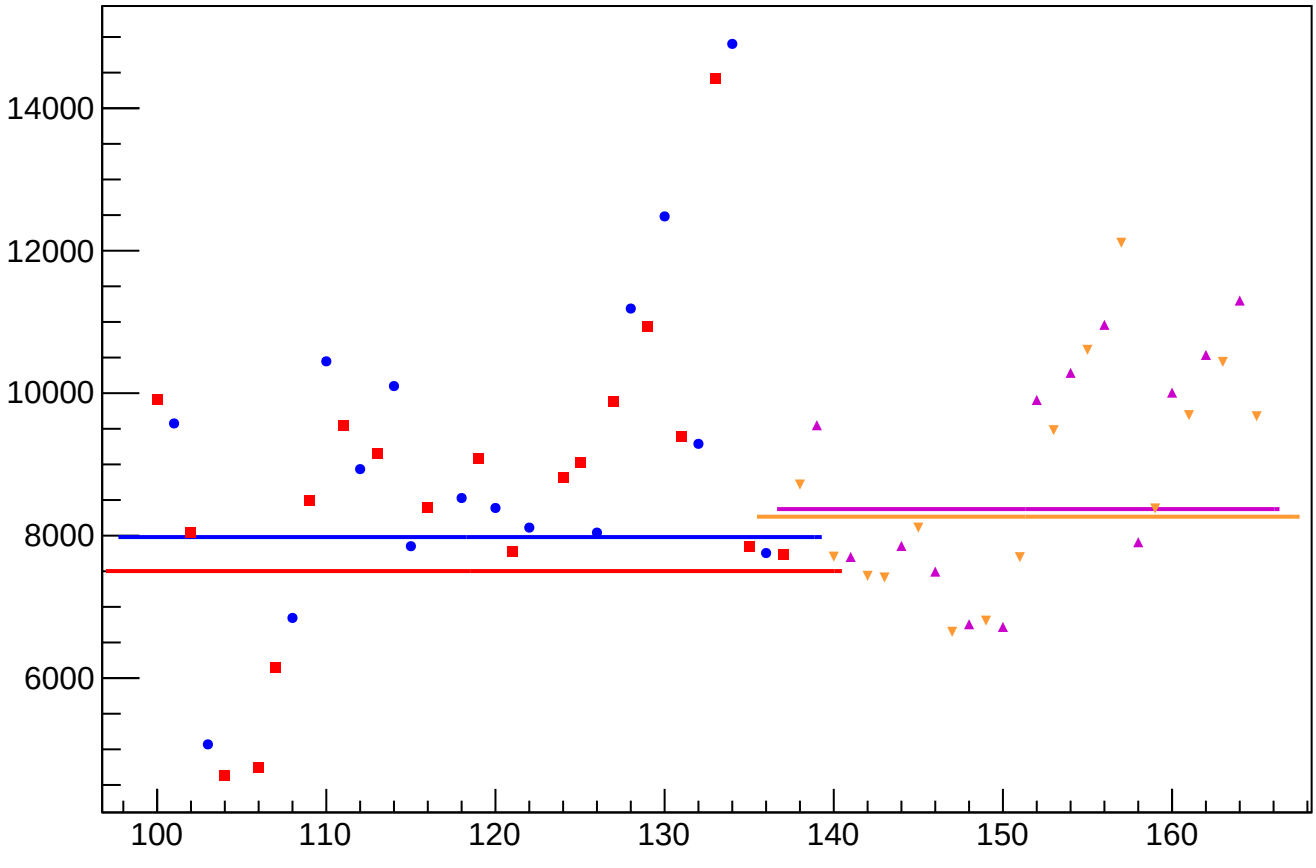
Left: 1429.736+/-1776.307 χ^2/NDF: 27.0/27

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 239.310+/-1975.001 χ^2/NDF:24.5/28

Out: -72.242+/-1870.821 χ^2/NDF:34.4/33

All: 75.100+/-1358.207 χ^2/NDF: 58.9/62



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8265.613+/-1.734 χ^2/NDF:631820.0/14

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8372.852+/-1.822 χ^2/NDF:666311.4/12

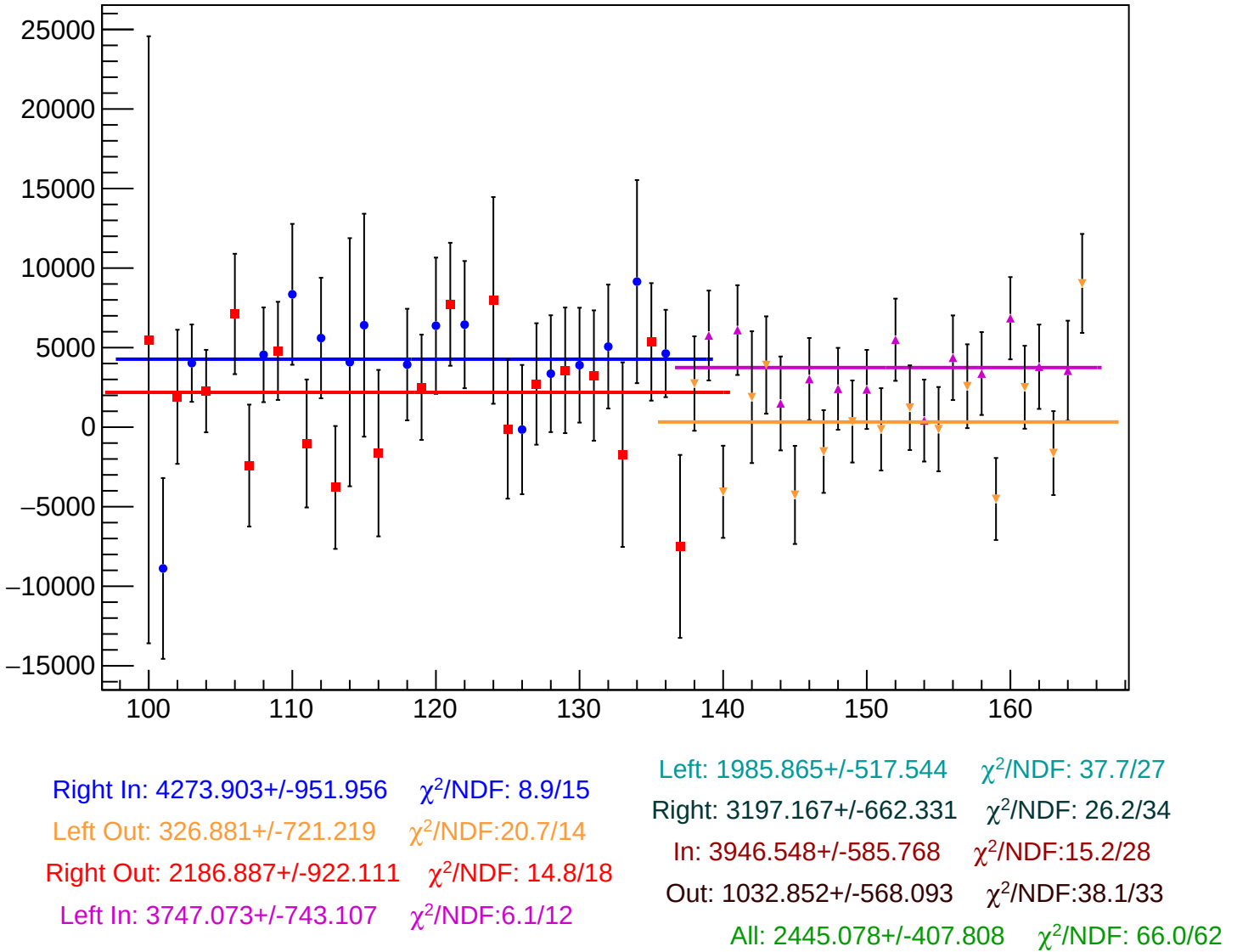
Left: 8316.590+/-1.256 χ^2/NDF: 1299949.3/27

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

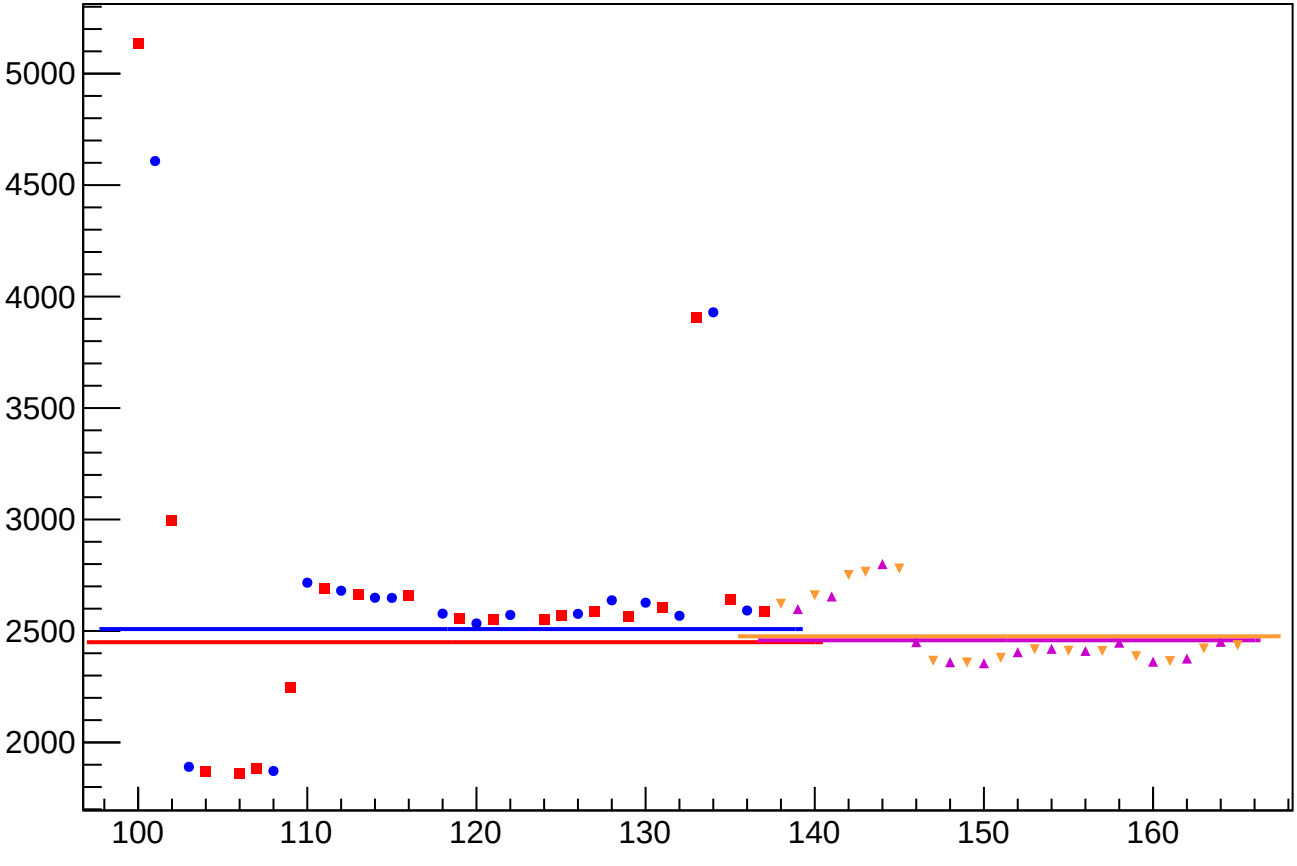
In: 8210.786+/-1.397 χ^2/NDF:1608290.1/28

Out: 7946.671+/-1.323 χ^2/NDF:1848261.7/33

All: 8071.579+/-0.960 χ^2/NDF: 3475403.4/62


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: 326.881+/-721.219 χ²/NDF:20.7/14
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3747.073+/-743.107 χ²/NDF:6.1/12
Left: 1985.865+/-517.544 χ²/NDF: 37.7/27
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 3946.548+/-585.768 χ²/NDF:15.2/28
Out: 1032.852+/-568.093 χ²/NDF:38.1/33
All: 2445.078+/-407.808 χ²/NDF: 66.0/62

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

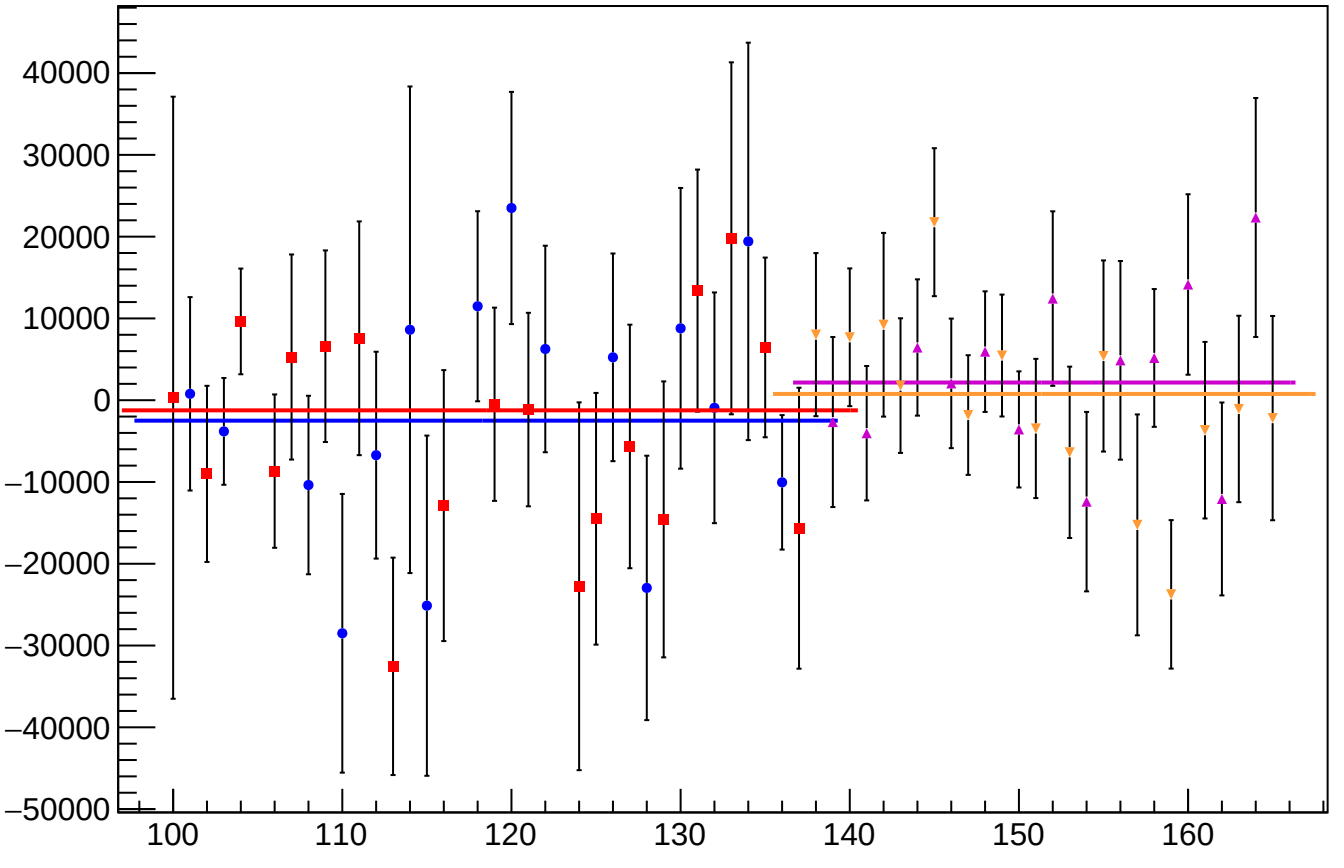
Left: 2467.432+/-0.366 χ^2/NDF: 135159.5/27

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2477.255+/-0.414 χ^2/NDF:669531.2/28

Out: 2466.057+/-0.402 χ^2/NDF:517948.6/33

All: 2471.484+/-0.288 χ^2/NDF: 1187856.4/62



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 766.554+/-2452.389 χ^2/NDF:17.5/14

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2161.654+/-2576.347 χ^2/NDF:9.4/12

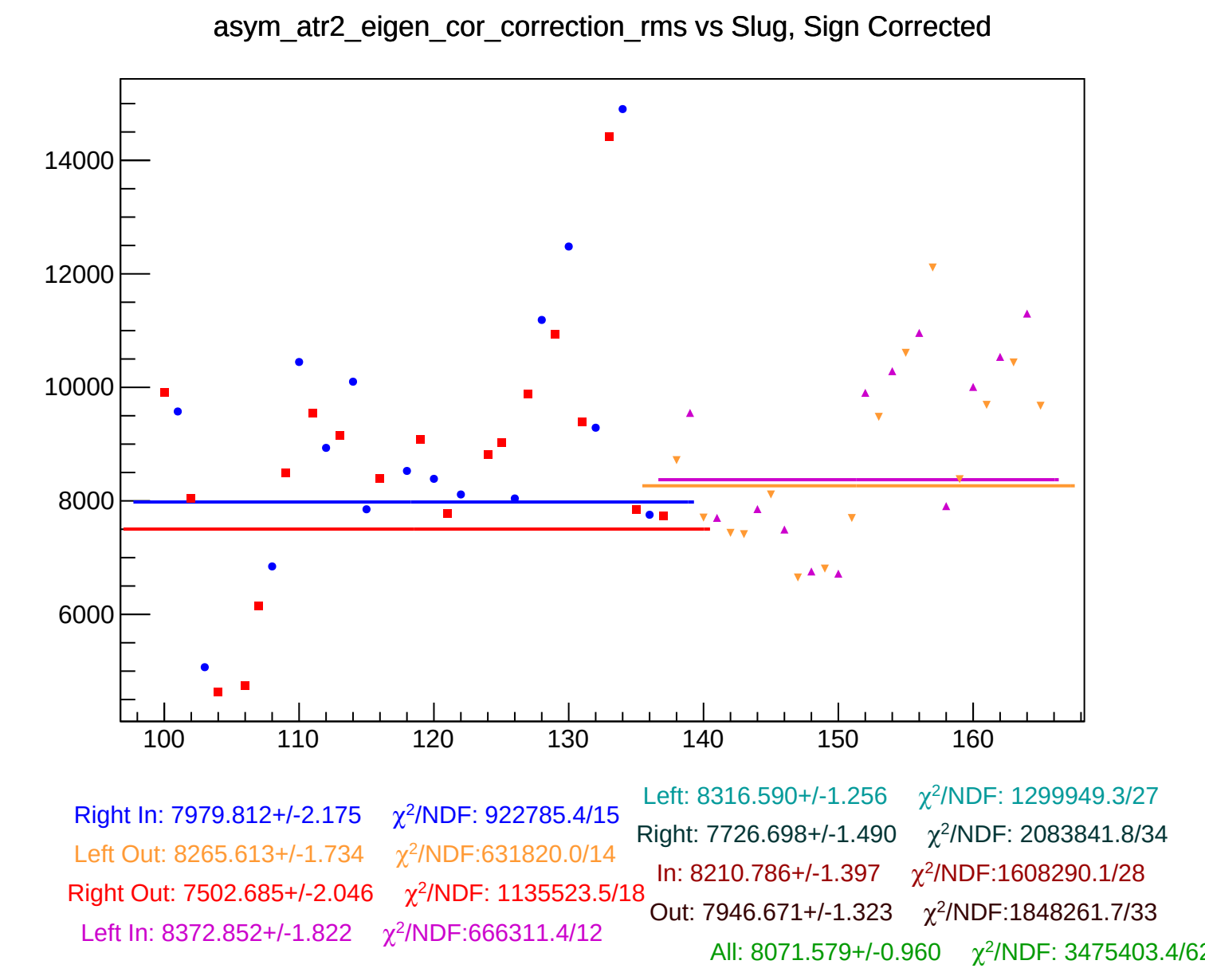
Left: 1429.736+/-1776.307 χ^2/NDF: 27.0/27

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

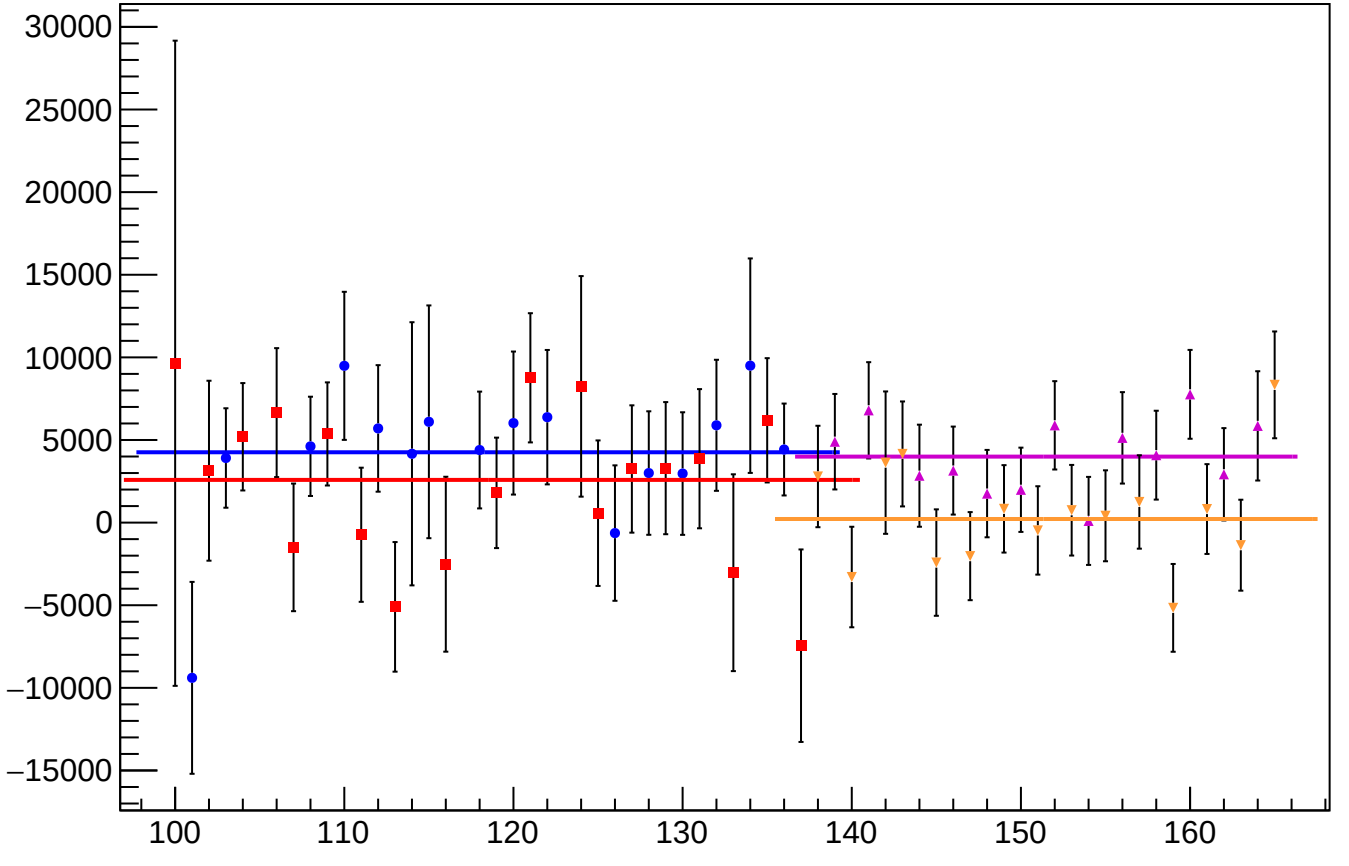
In: 239.310+/-1975.001 χ^2/NDF:24.5/28

Out: -72.242+/-1870.821 χ^2/NDF:34.4/33

All: 75.100+/-1358.207 χ^2/NDF: 58.9/62


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8265.613+/-1.734 χ²/NDF:631820.0/14
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8372.852+/-1.822 χ²/NDF:666311.4/12
Left: 8316.590+/-1.256 χ²/NDF: 1299949.3/27
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8210.786+/-1.397 χ²/NDF:1608290.1/28
Out: 7946.671+/-1.323 χ²/NDF:1848261.7/33
All: 8071.579+/-0.960 χ²/NDF: 3475403.4/62

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 218.934+/-749.096 χ^2/NDF:16.7/14

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3994.375+/-769.727 χ^2/NDF:7.8/12

Left: 2055.378+/-536.836 χ^2/NDF: 36.9/27

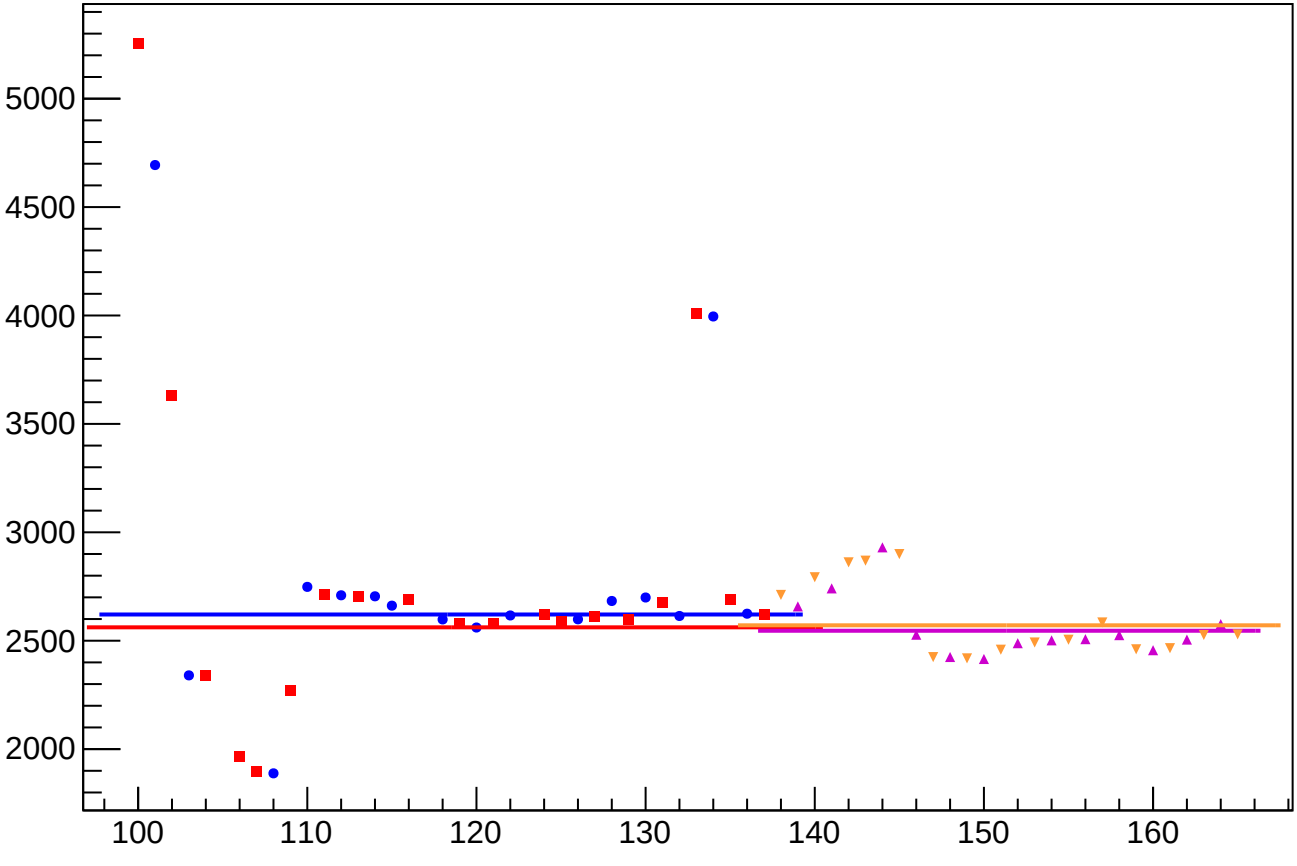
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4093.244+/-607.792 χ^2/NDF:17.9/28

Out: 1107.274+/-591.975 χ^2/NDF:38.0/33

All: 2560.901+/-424.071 χ^2/NDF: 68.4/62

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2571.066+/-0.530 χ^2/NDF:88777.5/14

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2545.930+/-0.544 χ^2/NDF:57336.6/12

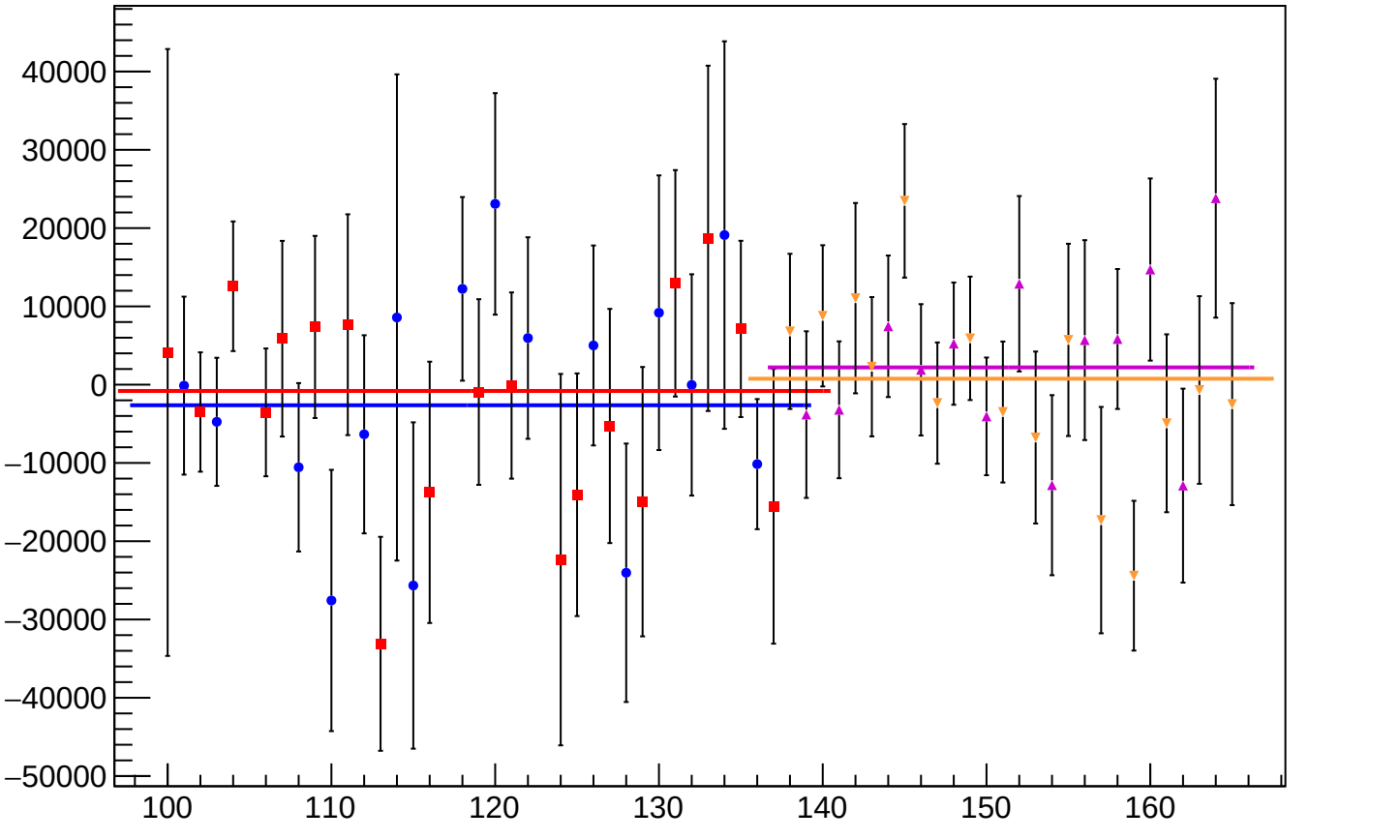
Left: 2558.840+/-0.380 χ^2/NDF: 147209.5/27

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2574.180+/-0.430 χ^2/NDF:550406.1/28

Out: 2567.554+/-0.418 χ^2/NDF:467154.1/33

All: 2570.779+/-0.300 χ^2/NDF: 1017682.2/62



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 757.899+/-2593.245 χ^2/NDF:17.5/14

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 2203.669+/-2723.445 χ^2/NDF:9.4/12

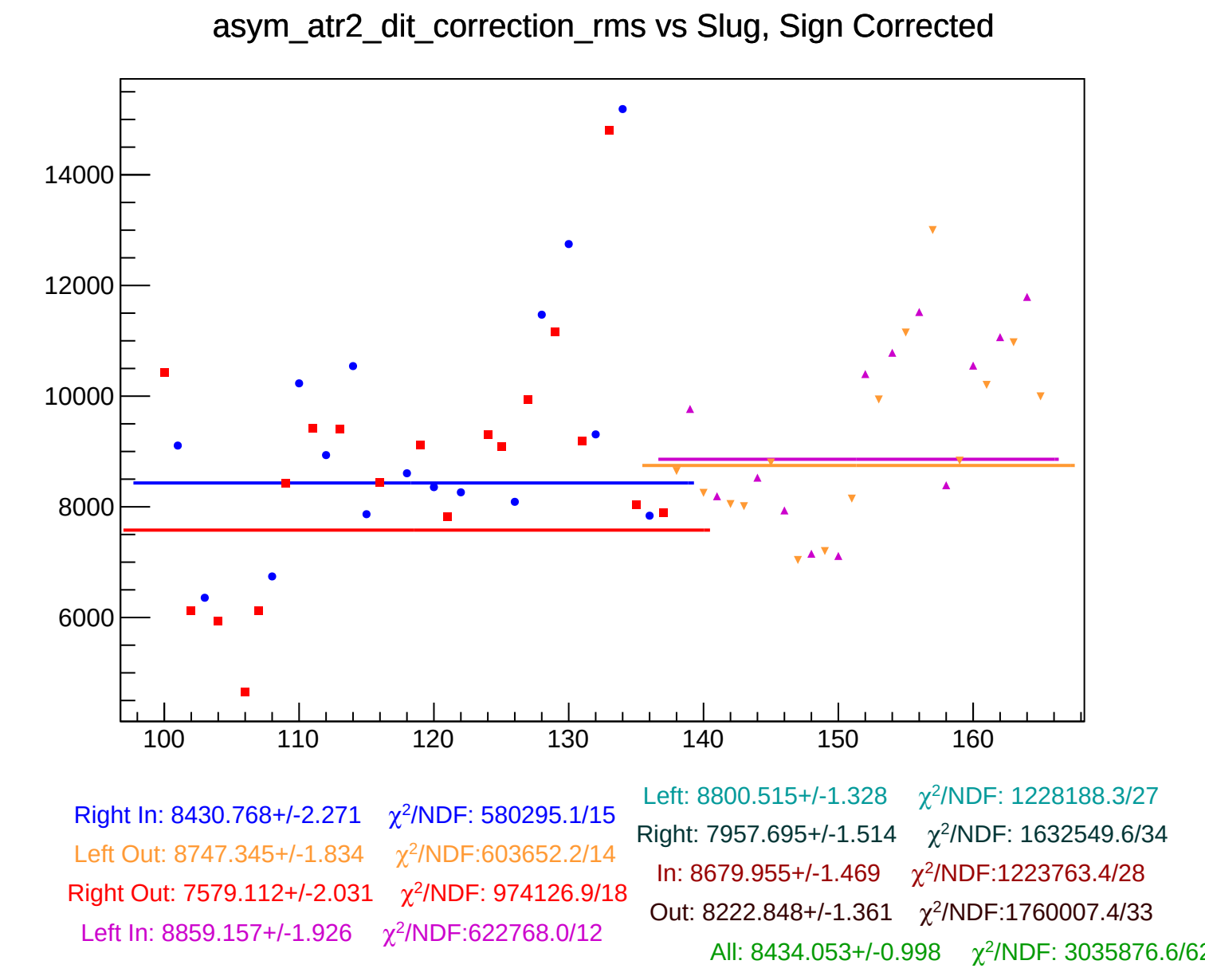
Left: 1445.400+/-1878.044 χ^2/NDF: 27.1/27

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

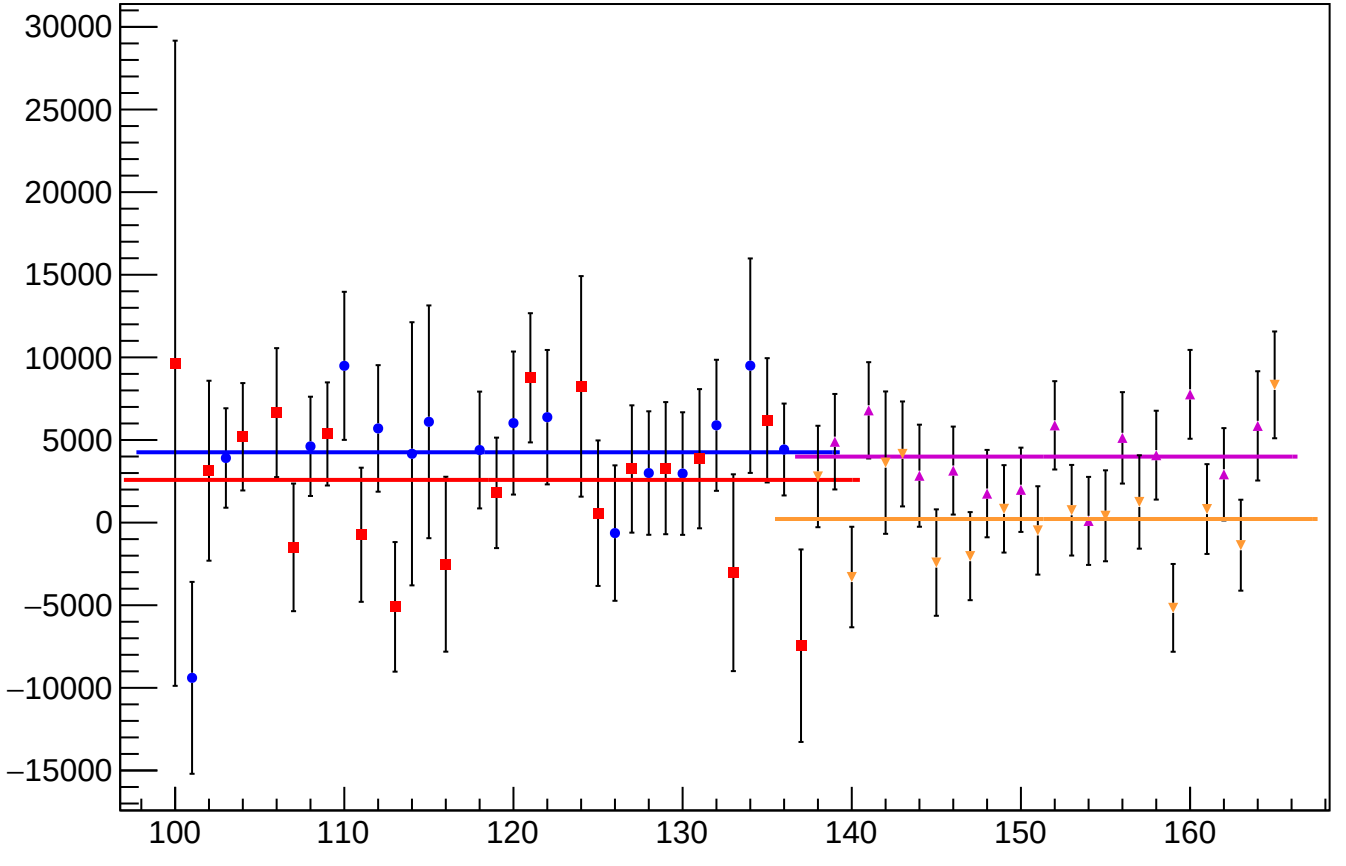
In: 180.857+/-2077.121 χ^2/NDF:24.5/28

Out: 57.162+/-1925.008 χ^2/NDF:33.1/33

All: 114.315+/-1411.903 χ^2/NDF: 57.6/62


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8747.345+/-1.834 χ²/NDF:603652.2/14
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8859.157+/-1.926 χ²/NDF:622768.0/12
Left: 8800.515+/-1.328 χ²/NDF: 1228188.3/27
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8679.955+/-1.469 χ²/NDF:1223763.4/28
Out: 8222.848+/-1.361 χ²/NDF:1760007.4/33
All: 8434.053+/-0.998 χ²/NDF: 3035876.6/62

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 218.912+/-749.096 χ^2/NDF:16.7/14

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3994.379+/-769.728 χ^2/NDF:7.8/12

Left: 2055.369+/-536.837 χ^2/NDF: 36.9/27

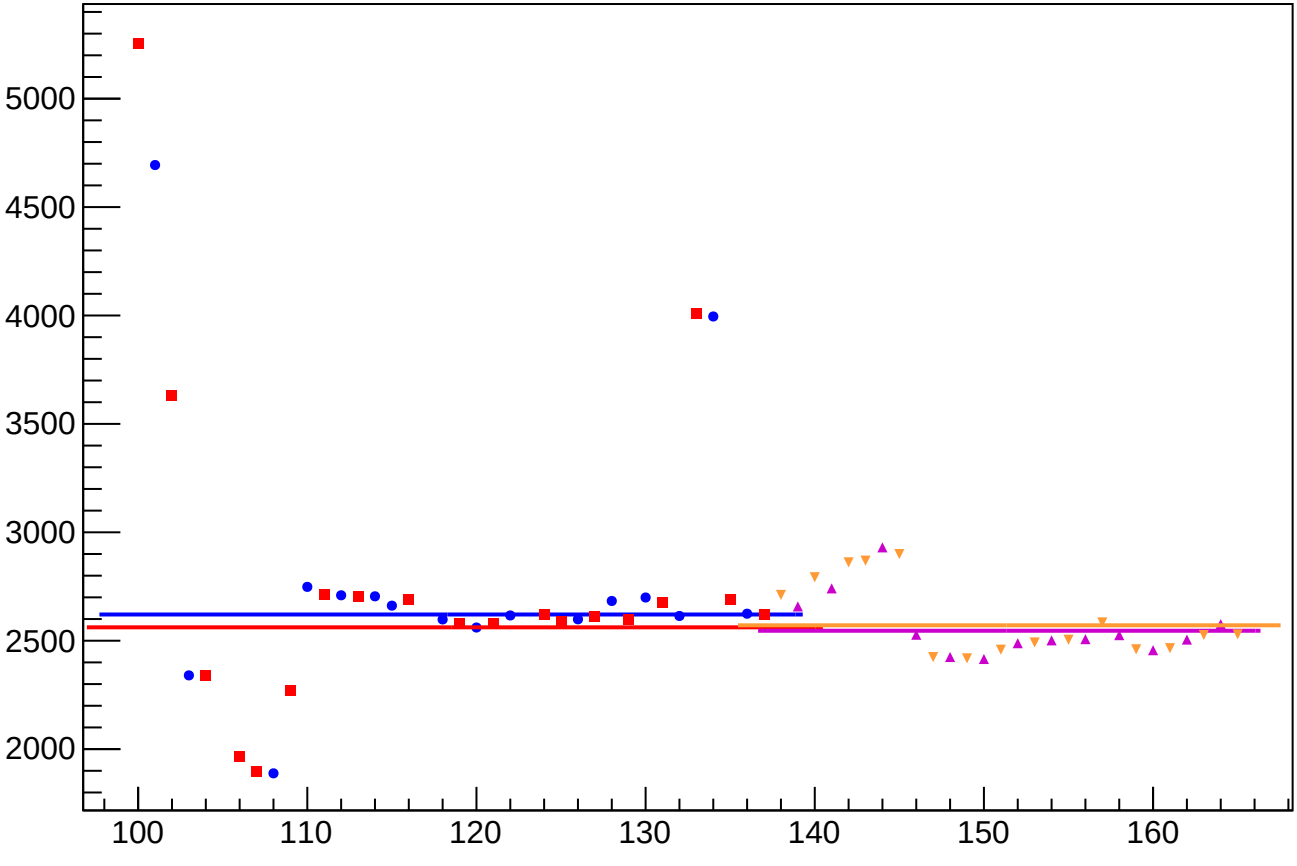
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4093.250+/-607.793 χ^2/NDF:17.9/28

Out: 1107.265+/-591.976 χ^2/NDF:38.0/33

All: 2560.899+/-424.072 χ^2/NDF: 68.4/62

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2571.069+/-0.530 χ^2/NDF:88777.3/14

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2545.933+/-0.544 χ^2/NDF:57336.3/12

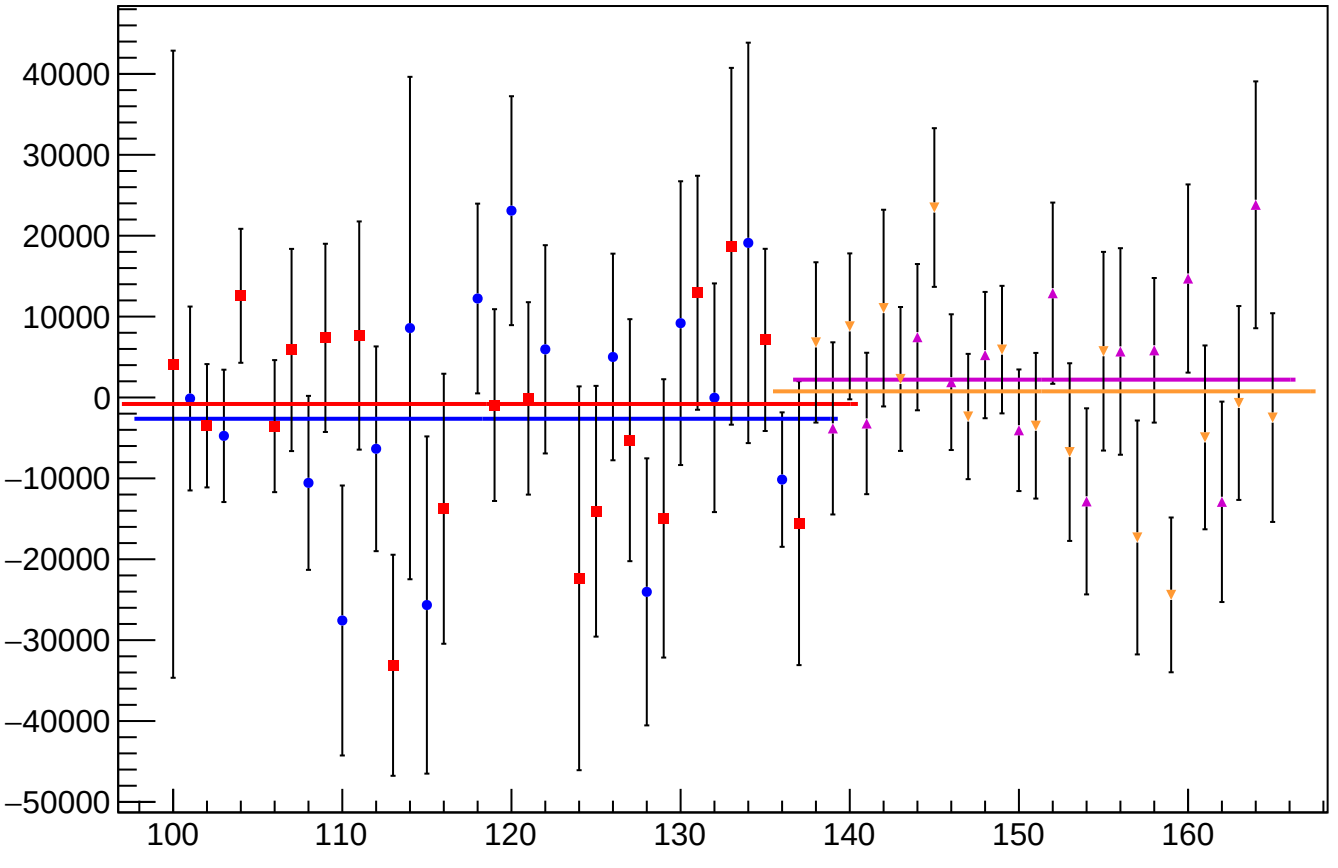
Left: 2558.842+/-0.380 χ^2/NDF: 147208.9/27

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2574.182+/-0.430 χ^2/NDF:550405.4/28

Out: 2567.555+/-0.418 χ^2/NDF:467153.3/33

All: 2570.780+/-0.300 χ^2/NDF: 1017680.7/62



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 757.891+/-2593.249 χ^2/NDF:17.5/14

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 2203.664+/-2723.450 χ^2/NDF:9.4/12

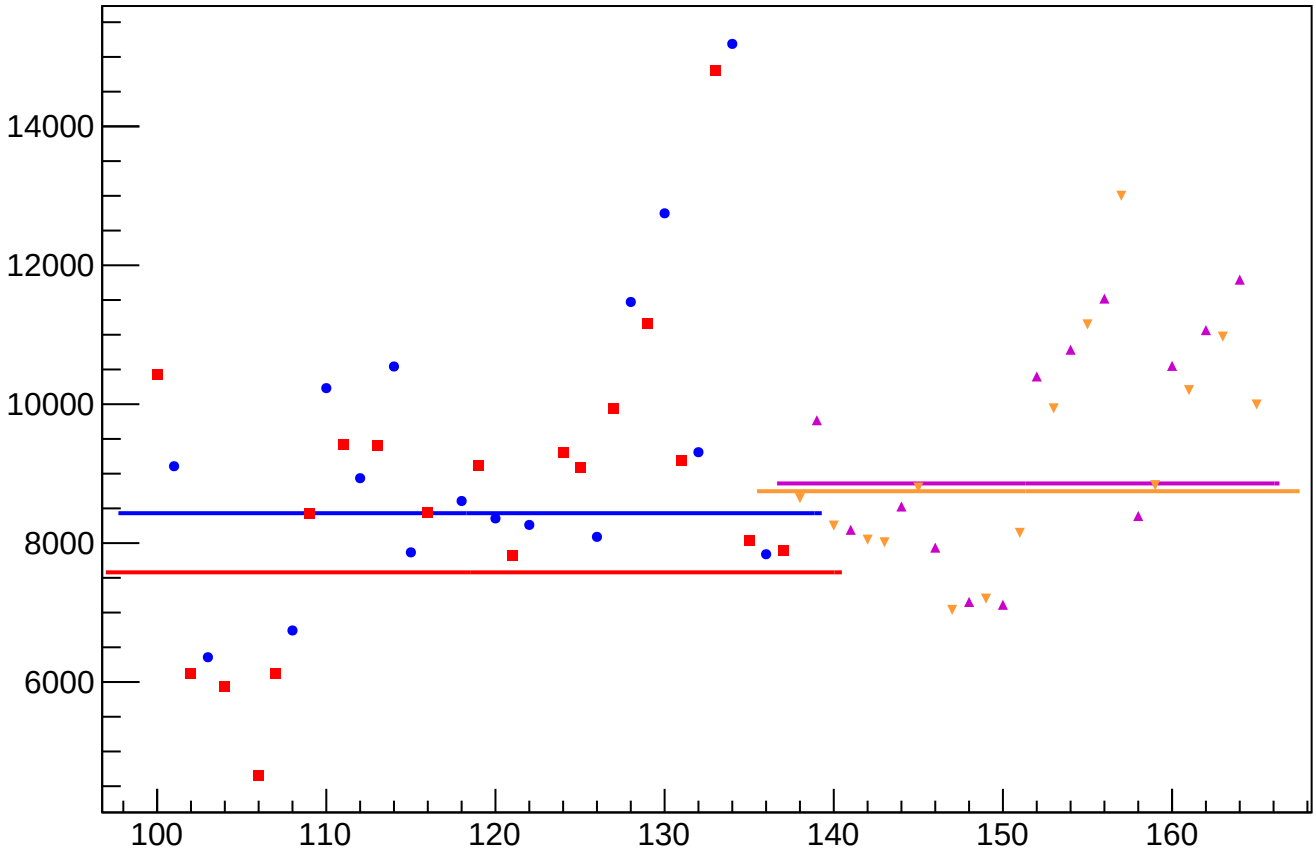
Left: 1445.393+/-1878.047 χ^2/NDF: 27.1/27

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 180.862+/-2077.121 χ^2/NDF:24.5/28

Out: 57.157+/-1925.009 χ^2/NDF:33.1/33

All: 114.314+/-1411.903 χ^2/NDF: 57.6/62



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8747.359+/-1.834 χ^2/NDF:603652.9/14

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8859.171+/-1.926 χ^2/NDF:622768.1/12

Left: 8800.528+/-1.328 χ^2/NDF: 1228189.0/27

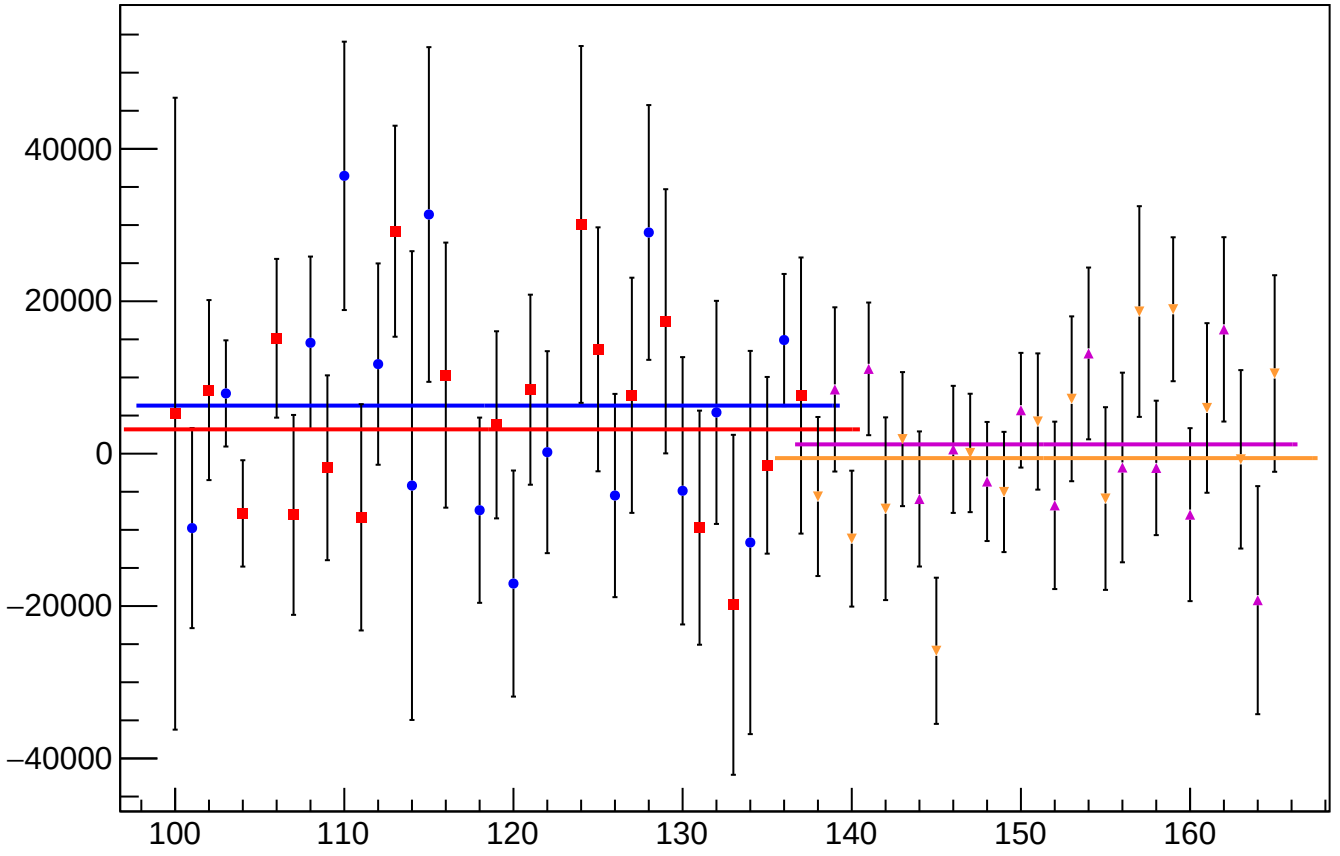
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8679.958+/-1.469 χ^2/NDF:1223760.0/28

Out: 8222.848+/-1.361 χ^2/NDF:1760012.4/33

All: 8434.054+/-0.998 χ^2/NDF: 3035878.8/62

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -584.901+/-2573.712 χ^2/NDF:17.6/14

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1219.826+/-2697.141 χ^2/NDF:9.1/12

Left: 275.224+/-1861.996 χ^2/NDF: 26.9/27

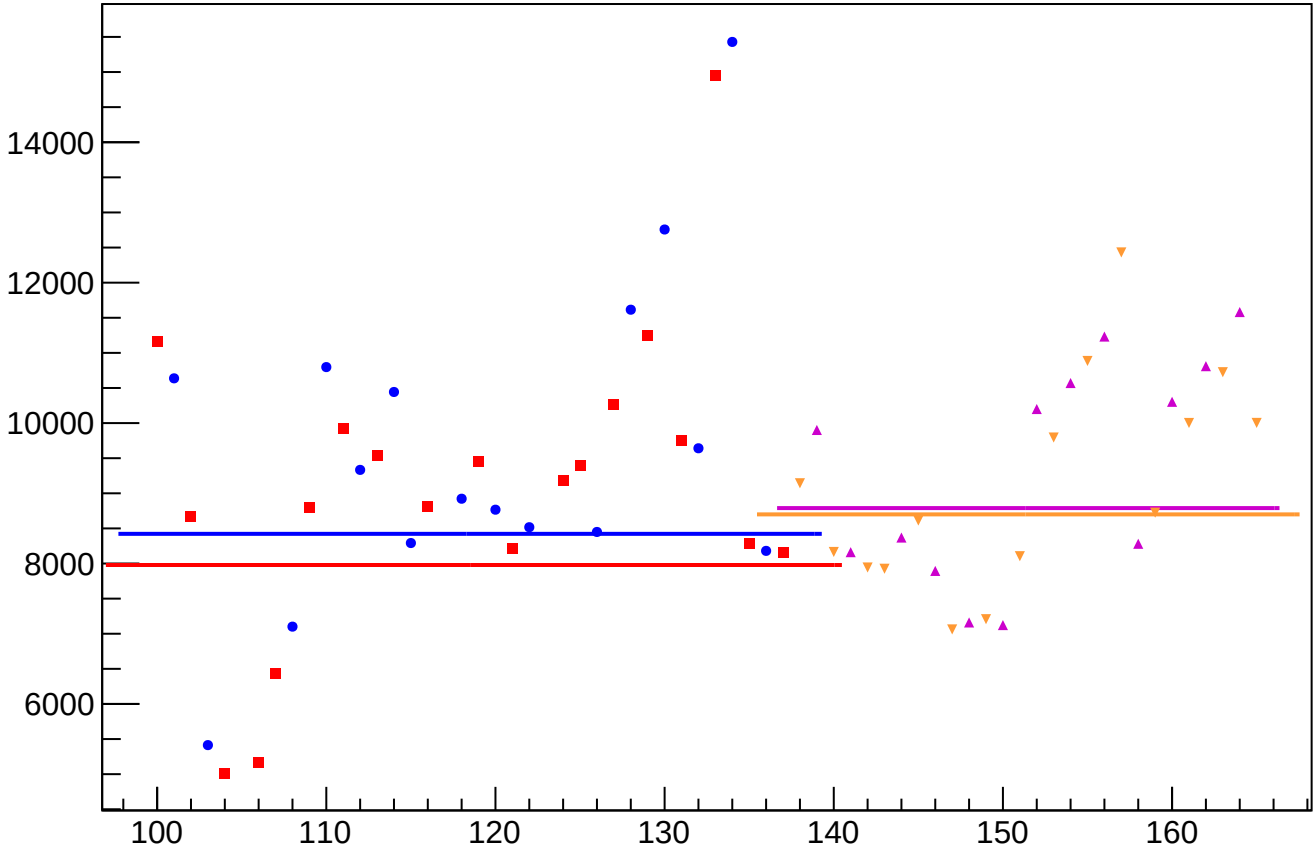
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3302.366+/-2072.822 χ^2/NDF:25.6/28

Out: 973.687+/-1971.953 χ^2/NDF:32.4/33

All: 2079.990+/-1428.711 χ^2/NDF: 58.7/62

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8699.792+/-1.820 χ^2/NDF:544027.0/14

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8789.464+/-1.907 χ^2/NDF:571767.5/12

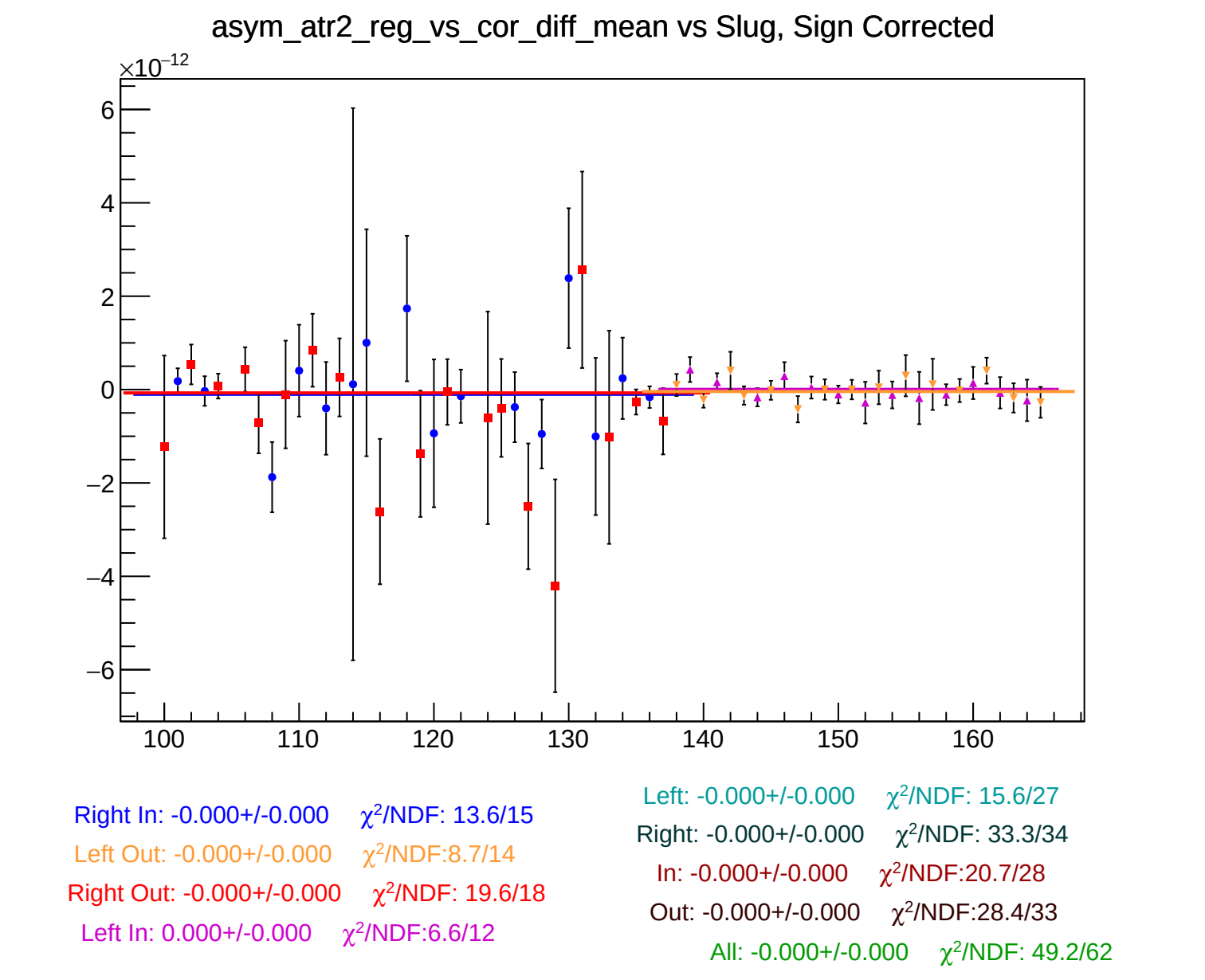
Left: 8742.529+/-1.317 χ^2/NDF: 1116951.6/27

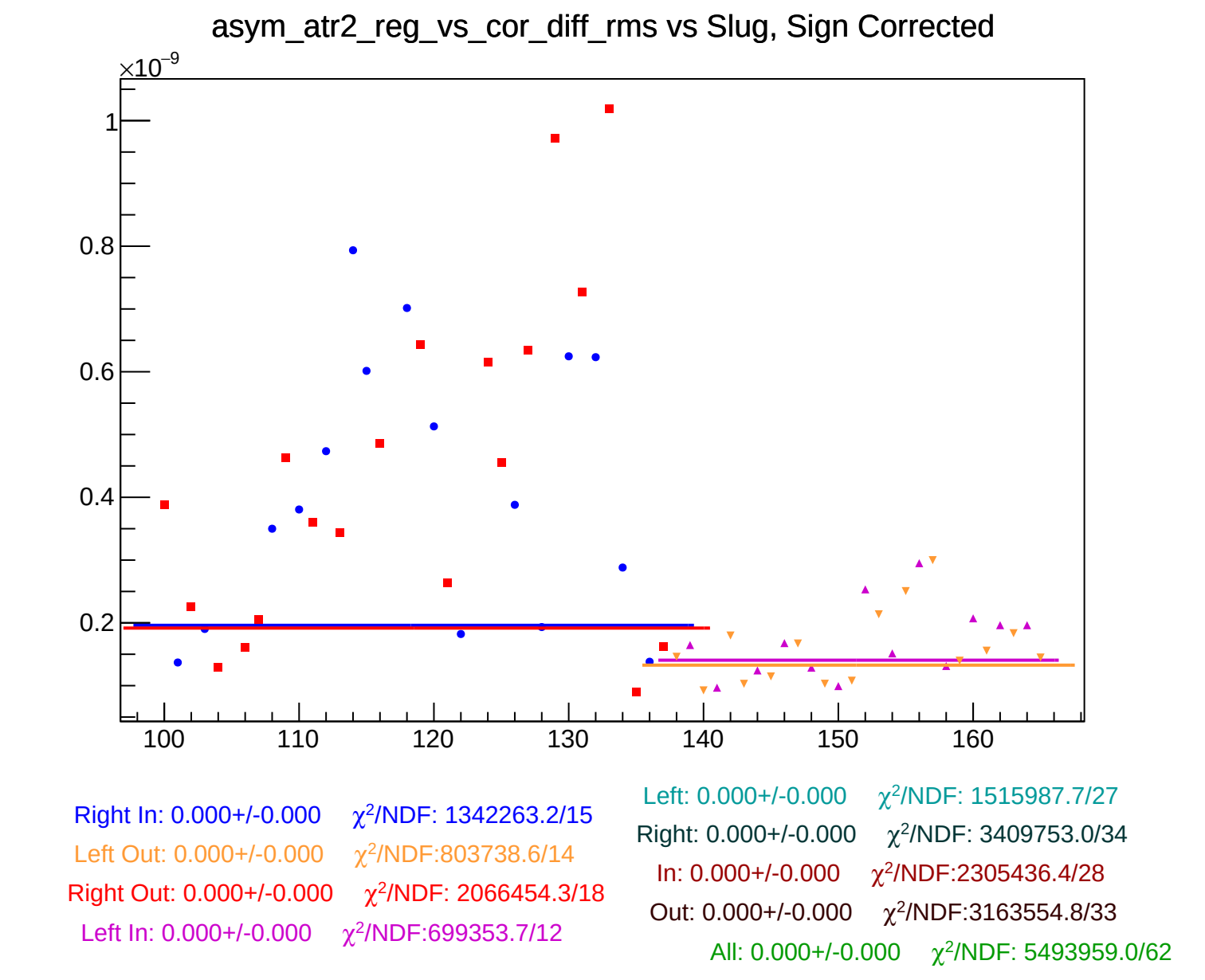
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

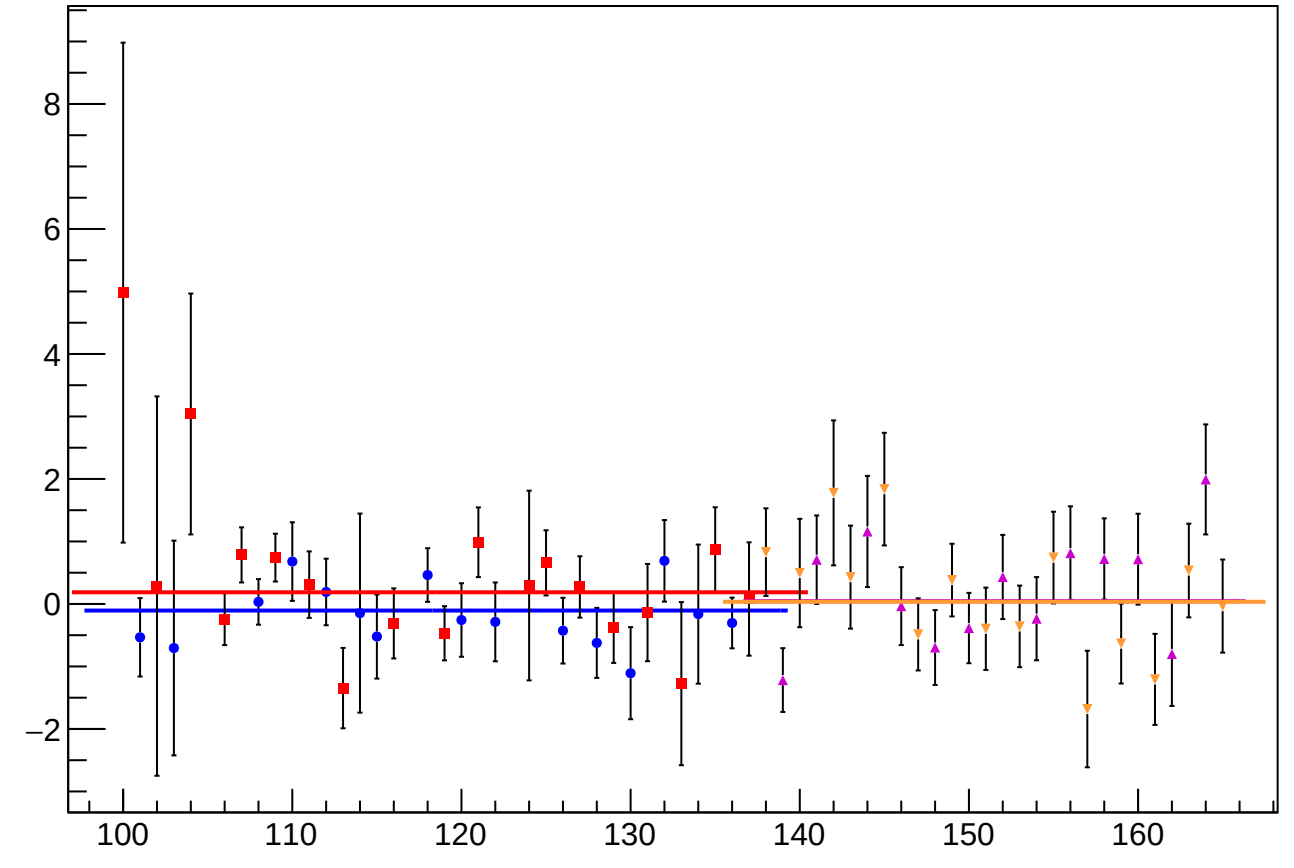
In: 8639.330+/-1.466 χ^2/NDF:1468739.4/28

Out: 8402.131+/-1.394 χ^2/NDF:1624826.2/33

All: 8514.818+/-1.010 χ^2/NDF: 3107313.3/62


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:8.7/14
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:6.6/12
Left: -0.000+/-0.000 χ²/NDF: 15.6/27
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: -0.000+/-0.000 χ²/NDF:20.7/28
Out: -0.000+/-0.000 χ²/NDF:28.4/33
All: -0.000+/-0.000 χ²/NDF: 49.2/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:803738.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:699353.7/12
Left: 0.000+/-0.000 χ²/NDF: 1515987.7/27
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2305436.4/28
Out: 0.000+/-0.000 χ²/NDF:3163554.8/33
All: 0.000+/-0.000 χ²/NDF: 5493959.0/62



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

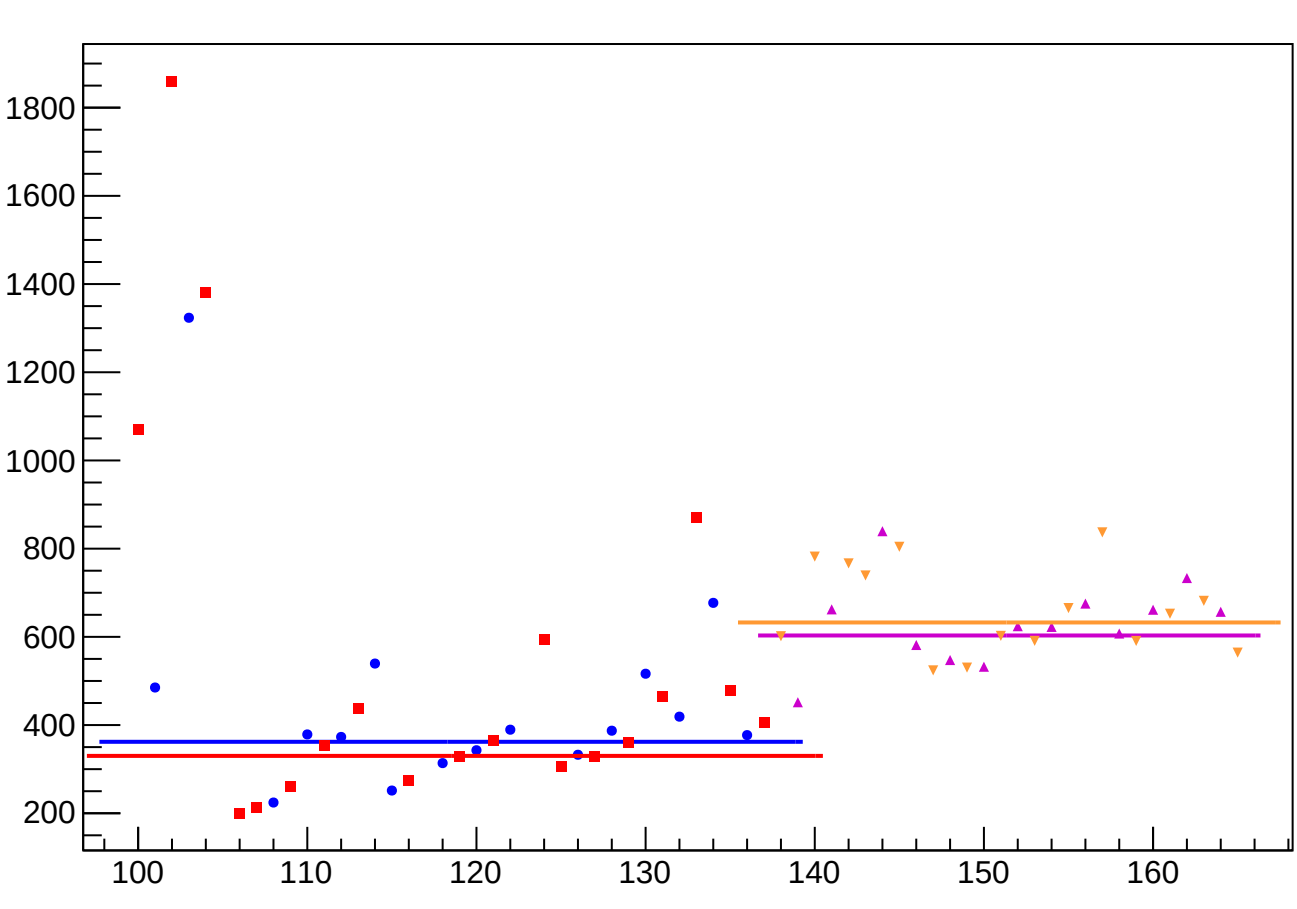
Left: 0.040+/-0.132 χ^2/NDF: 38.9/27

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.045+/-0.080 χ^2/NDF: 74.6/62



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.633+/-0.133 χ^2/NDF:476785.3/14

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

Left: 617.746+/-0.093 χ^2/NDF: 976017.4/27

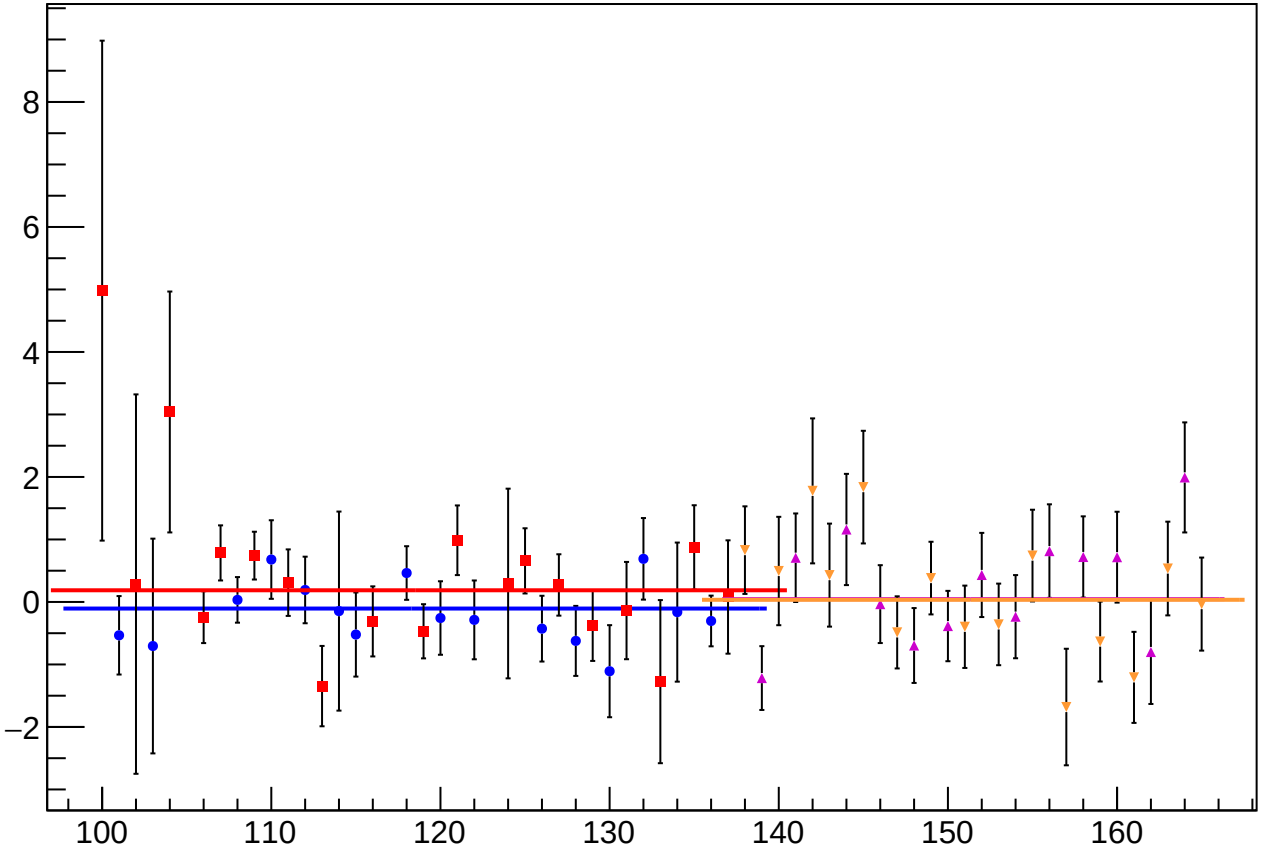
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.822+/-0.081 χ^2/NDF:3942694.1/28

Out: 435.573+/-0.078 χ^2/NDF:6103805.8/33

All: 443.941+/-0.056 χ^2/NDF: 10069976.0/62

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

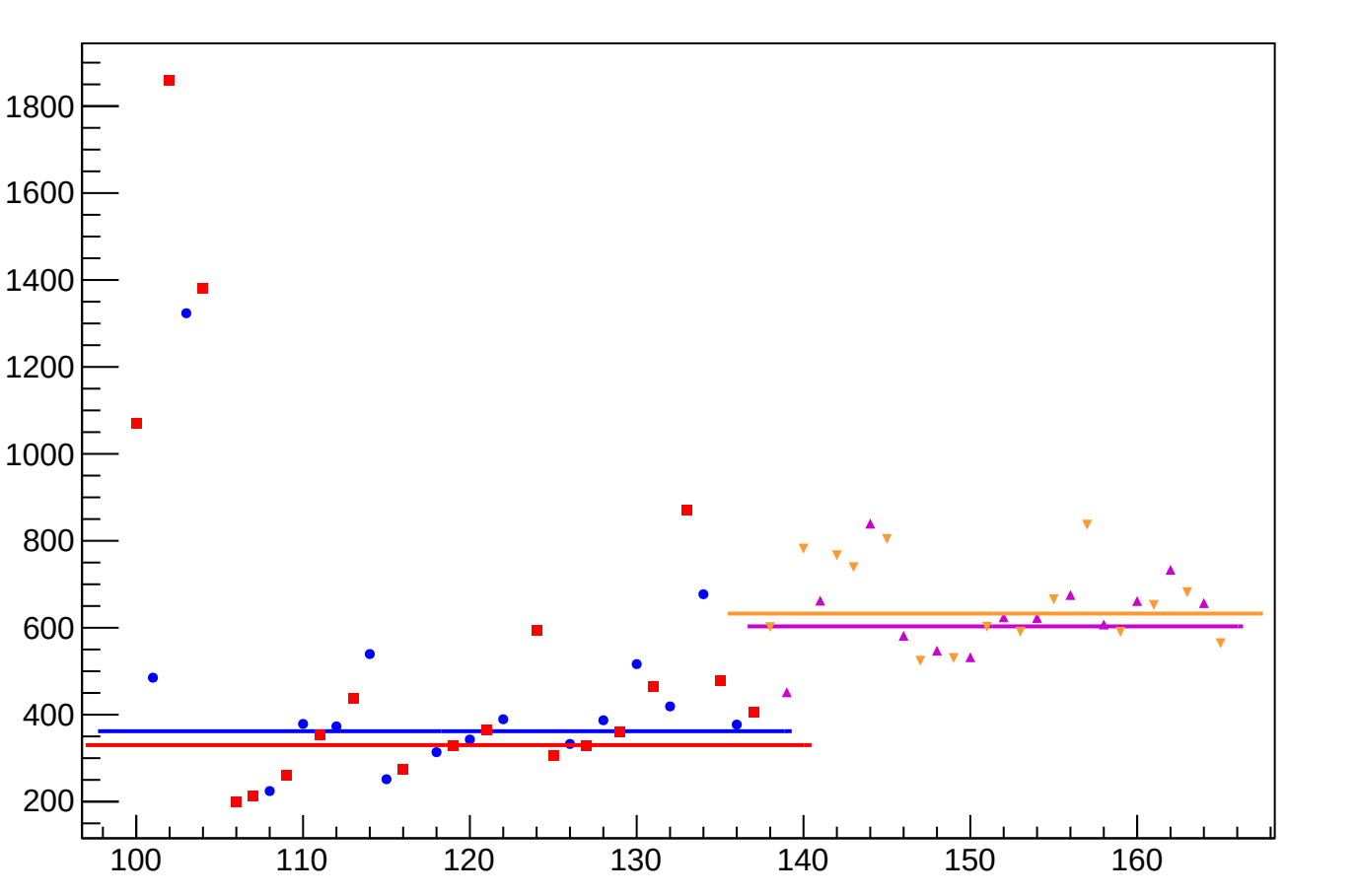
Left: 0.040+/-0.132 χ^2/NDF: 38.9/27

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.045+/-0.080 χ^2/NDF: 74.6/62



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.633+/-0.133 χ^2/NDF:476785.3/14

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

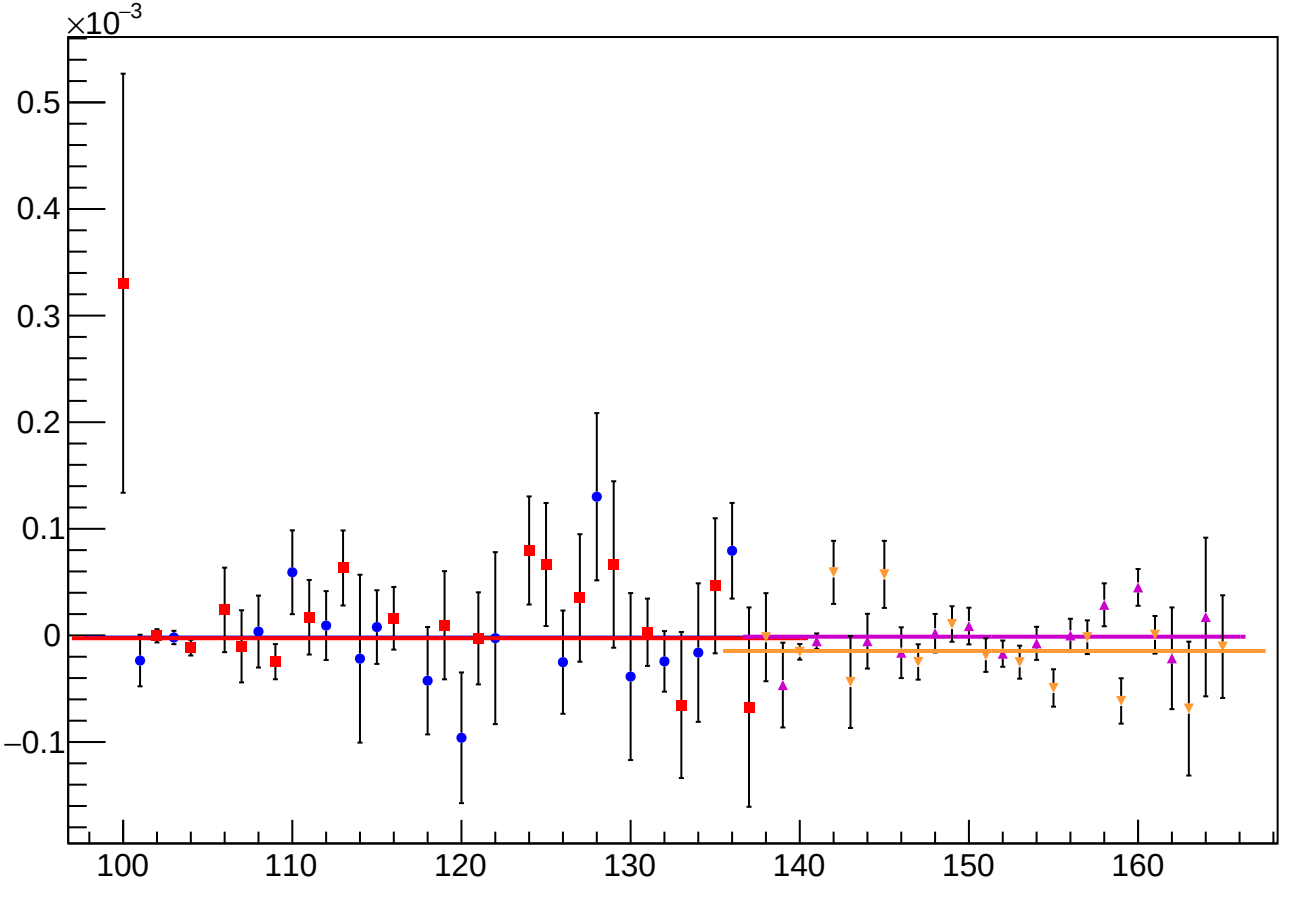
Left: 617.746+/-0.093 χ^2/NDF: 976017.4/27

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.822+/-0.081 χ^2/NDF:3942694.1/28

Out: 435.573+/-0.078 χ^2/NDF:6103805.8/33

All: 443.941+/-0.056 χ^2/NDF: 10069976.0/62



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

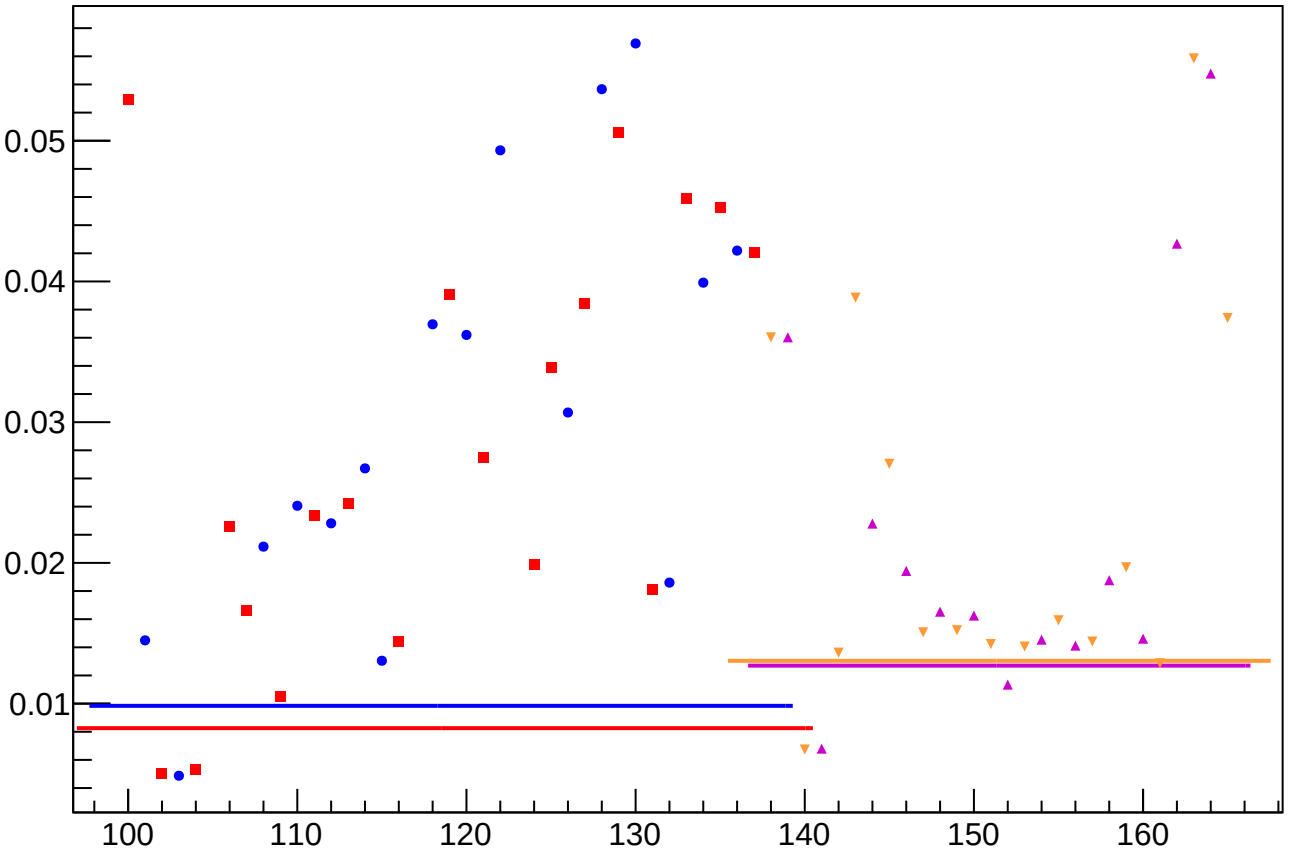
Left: -0.000+/-0.000 χ^2/NDF: 44.6/27

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:27.7/28

Out: -0.000+/-0.000 χ^2/NDF:48.1/33

All: -0.000+/-0.000 χ^2/NDF: 78.0/62



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:4991865.9/14

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4364376.6/12

Left: 0.013+/-0.000 χ^2/NDF: 9362140.4/27

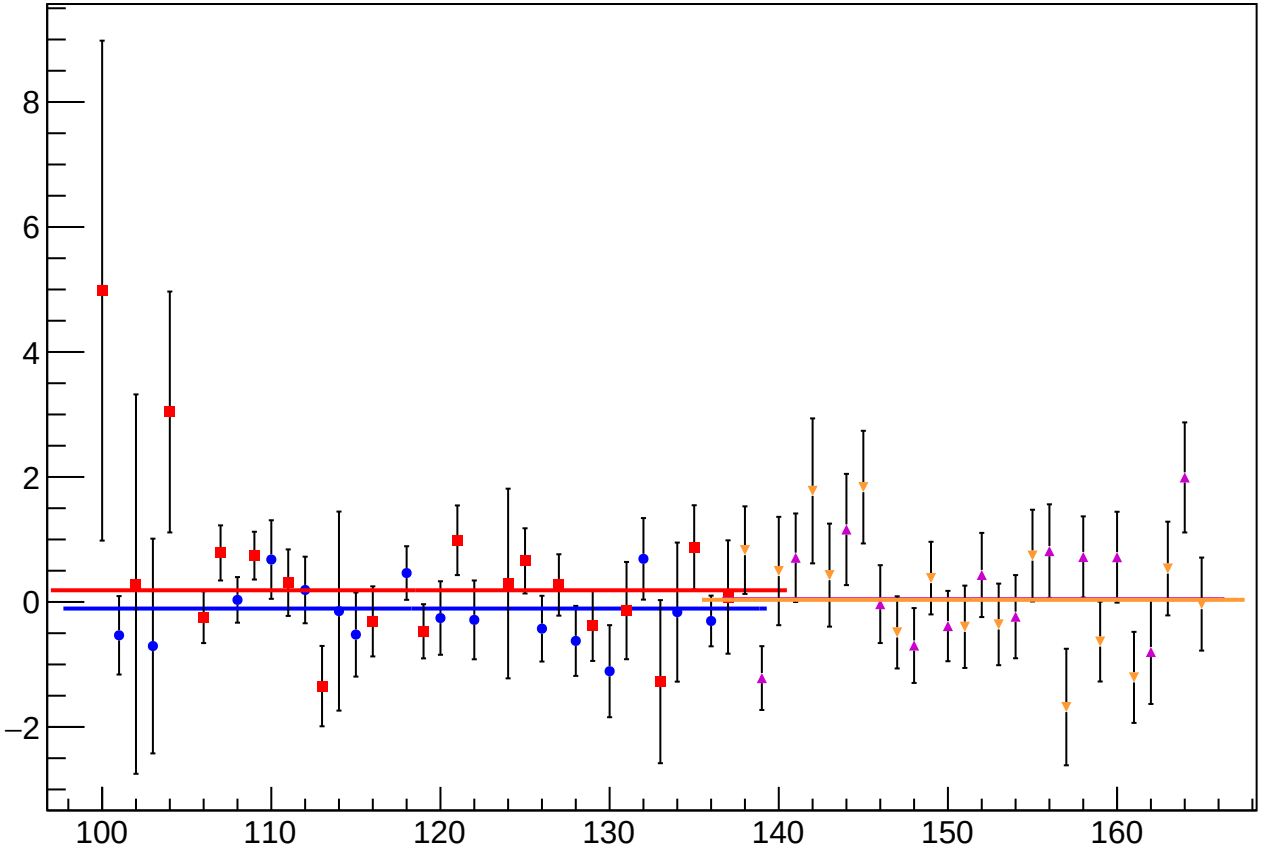
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:11750582.0/28

Out: 0.011+/-0.000 χ^2/NDF:12950628.1/33

All: 0.011+/-0.000 χ^2/NDF: 24800000.5/62

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

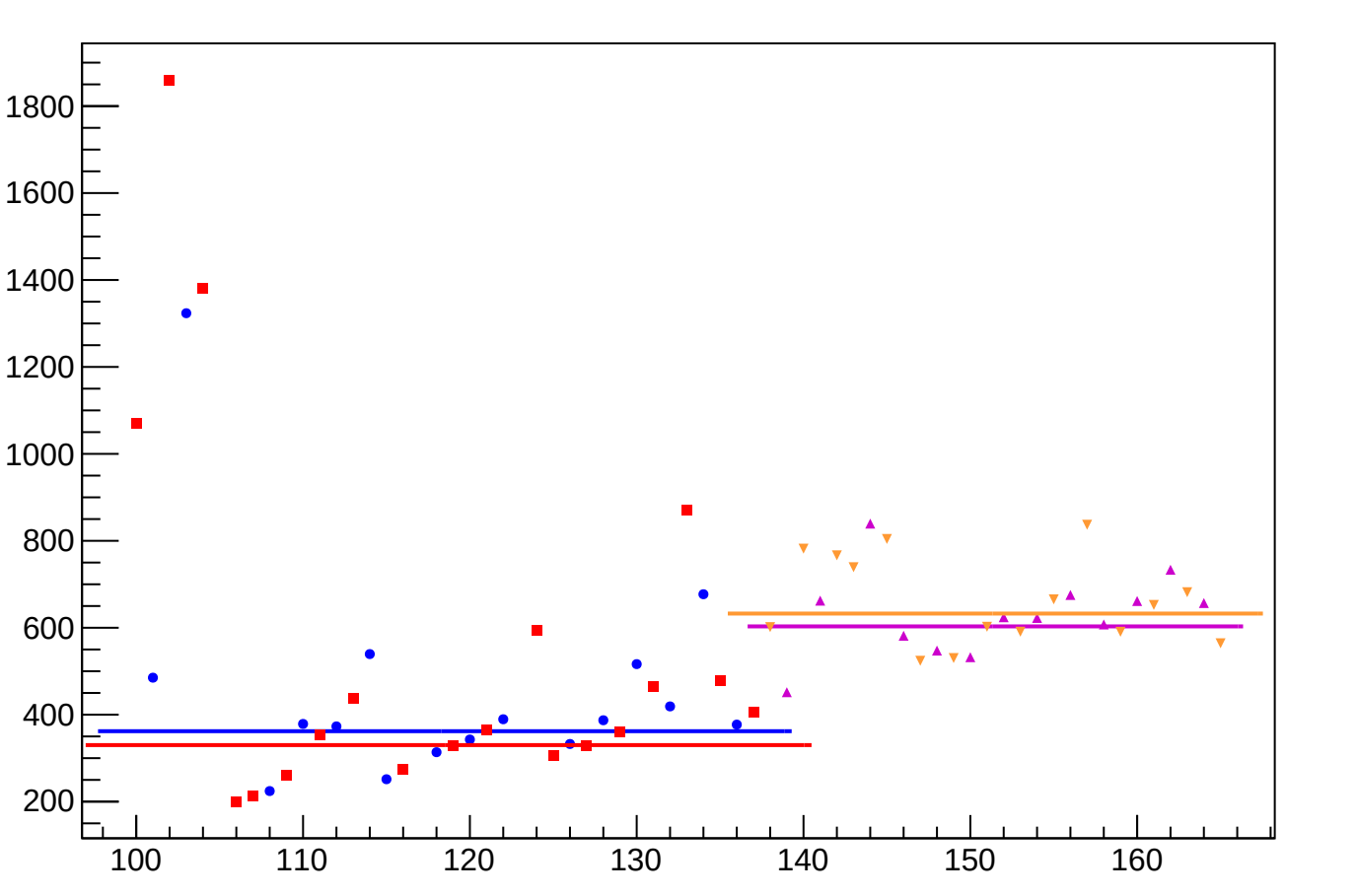
Left: 0.040+/-0.132 χ^2/NDF: 38.9/27

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.045+/-0.080 χ^2/NDF: 74.6/62



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.643+/-0.133 χ^2/NDF:476769.6/14

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

Left: 617.756+/-0.093 χ^2/NDF: 975993.9/27

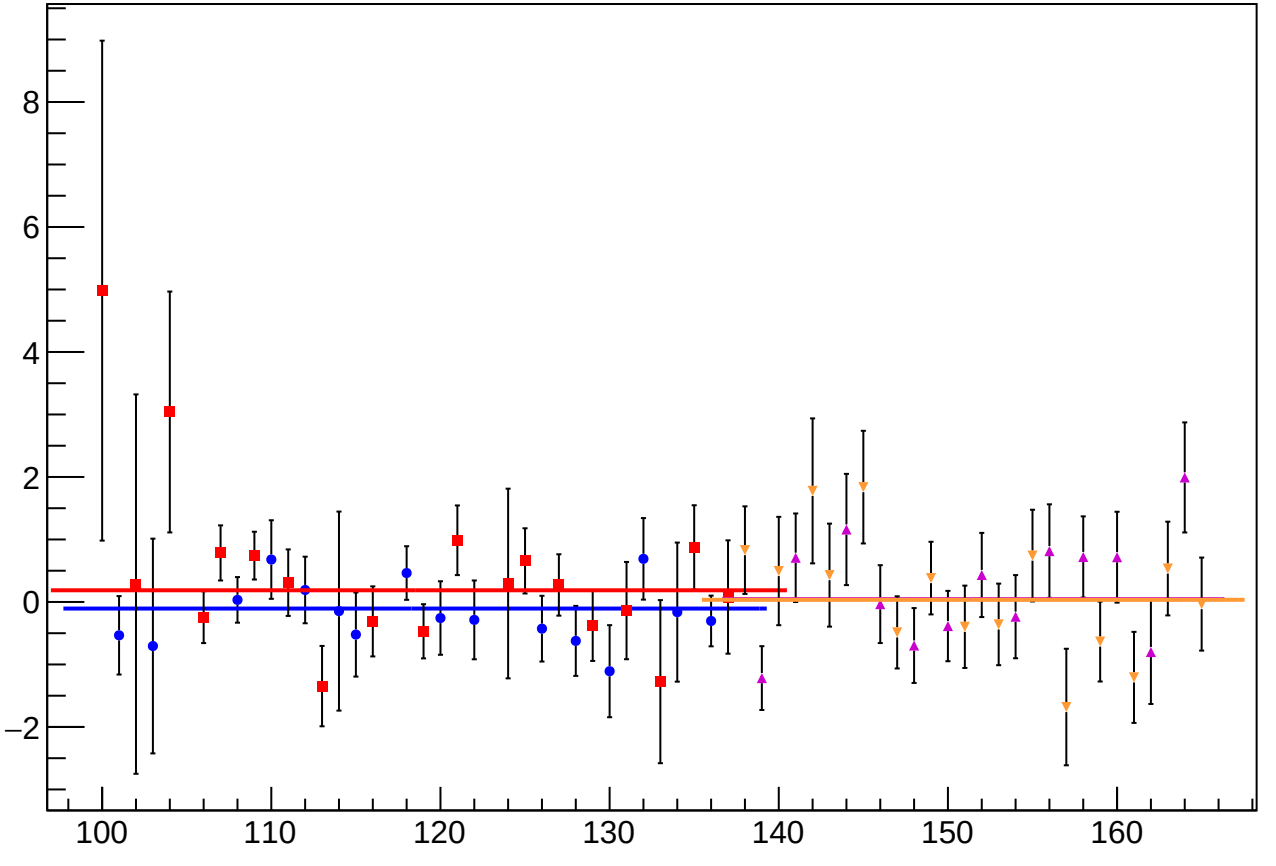
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.821+/-0.081 χ^2/NDF:3942865.7/28

Out: 435.573+/-0.078 χ^2/NDF:6103987.6/33

All: 443.941+/-0.056 χ^2/NDF: 10070327.2/62

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

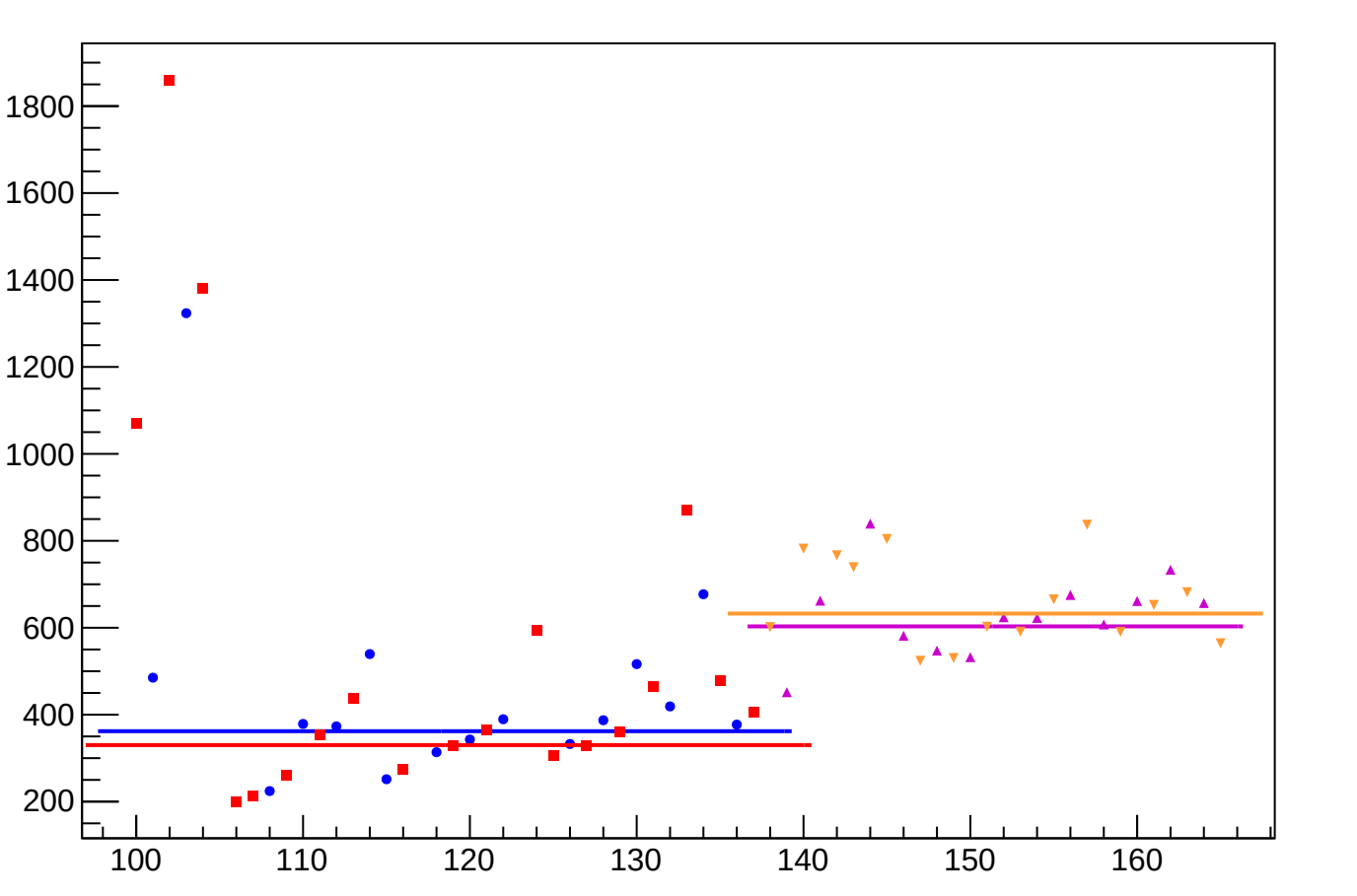
Left: 0.040+/-0.132 χ^2/NDF: 38.9/27

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.045+/-0.080 χ^2/NDF: 74.6/62



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.643+/-0.133 χ^2/NDF:476769.6/14

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

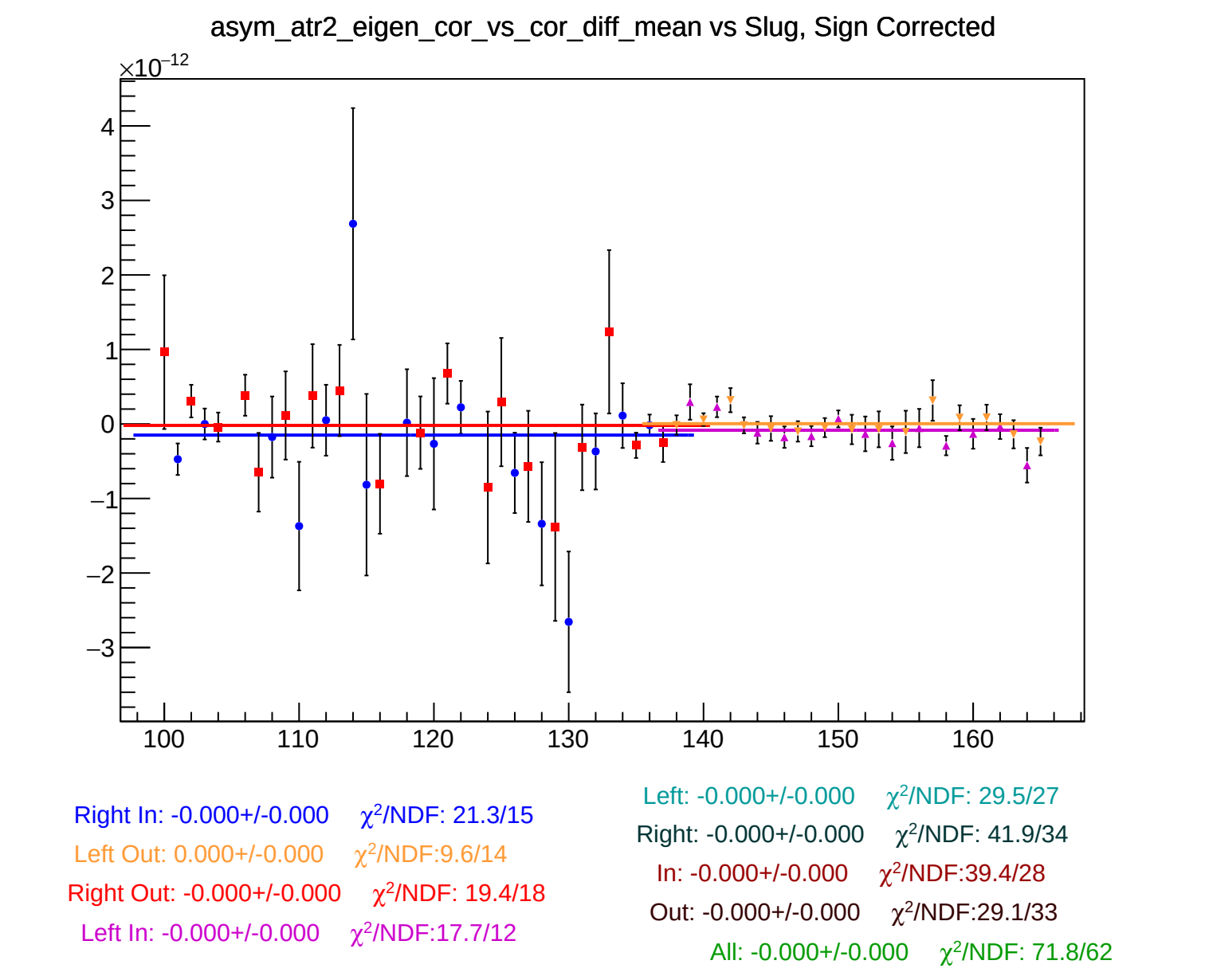
Left: 617.756+/-0.093 χ^2/NDF: 975993.9/27

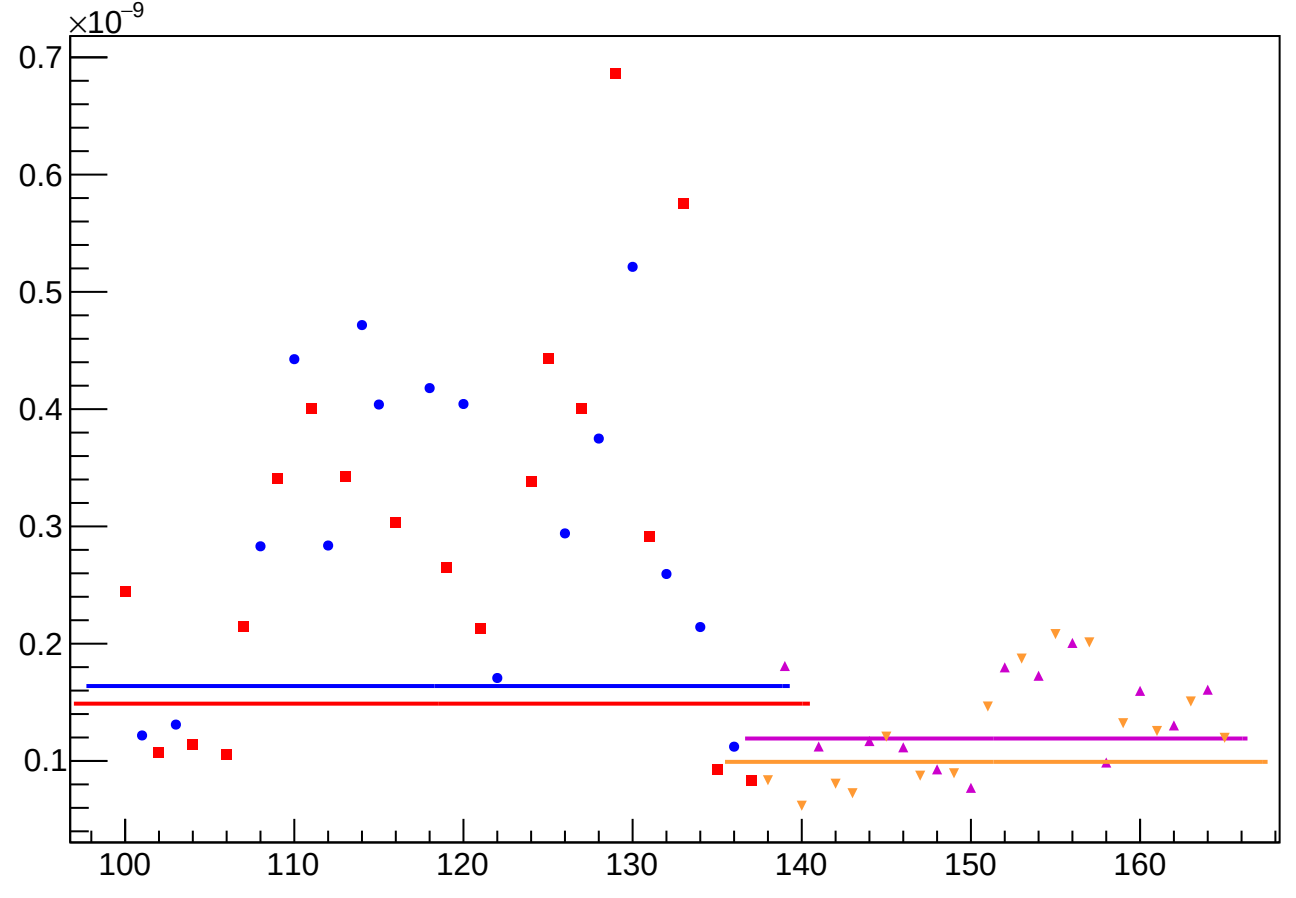
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.821+/-0.081 χ^2/NDF:3942865.7/28

Out: 435.573+/-0.078 χ^2/NDF:6103987.6/33

All: 443.941+/-0.056 χ^2/NDF: 10070327.2/62


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
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:17.7/12
Left: -0.000+/-0.000 χ²/NDF: 29.5/27
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:39.4/28
Out: -0.000+/-0.000 χ²/NDF:29.1/33
All: -0.000+/-0.000 χ²/NDF: 71.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1879587.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1151289.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3254838.6/27

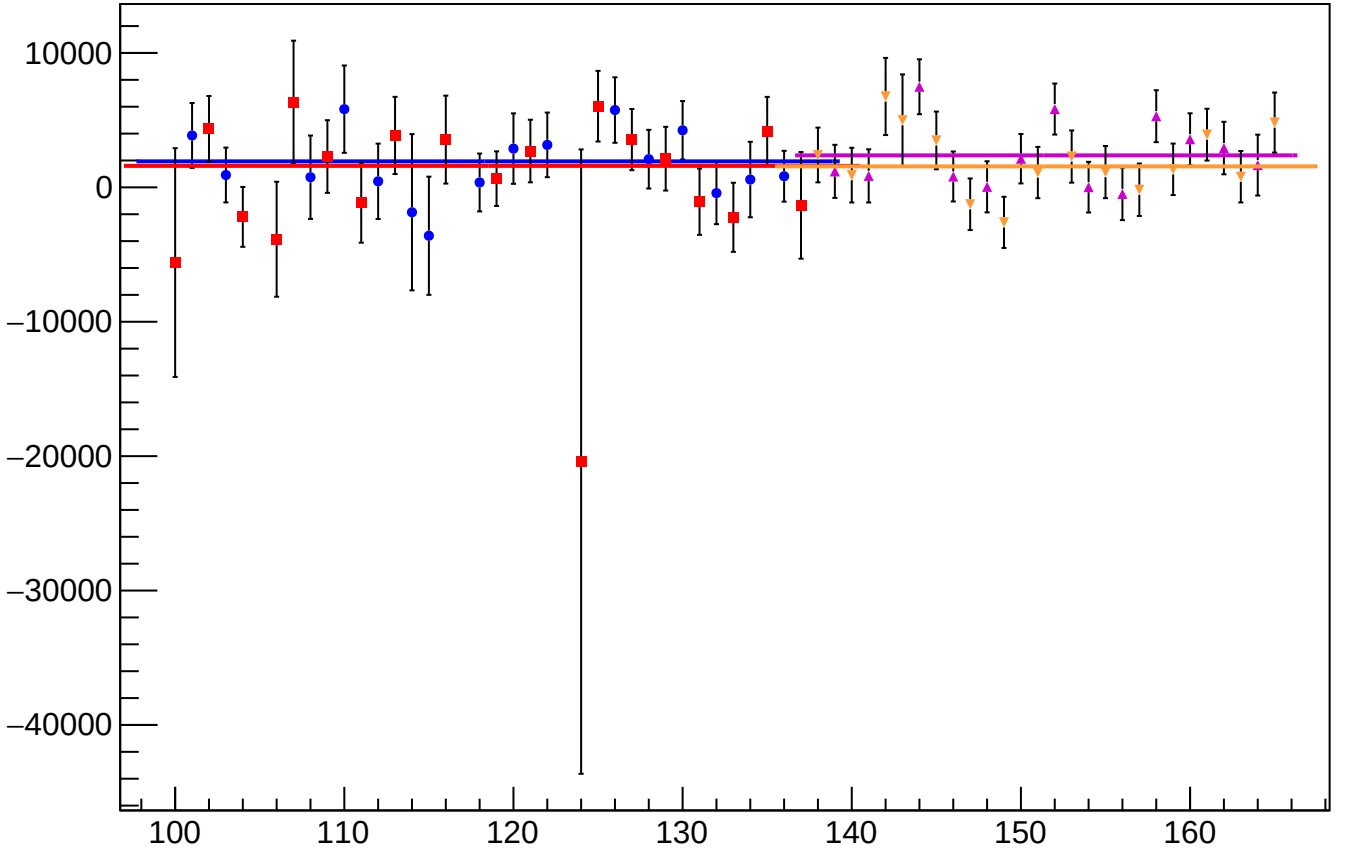
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3577019.6/28

Out: 0.000+/-0.000 χ^2/NDF:5307156.4/33

All: 0.000+/-0.000 χ^2/NDF: 9182725.1/62

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.662+/-531.613 χ^2/NDF:17.2/14

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2379.934+/-539.926 χ^2/NDF:19.3/12

Left: 1963.435+/-378.812 χ^2/NDF: 37.7/27

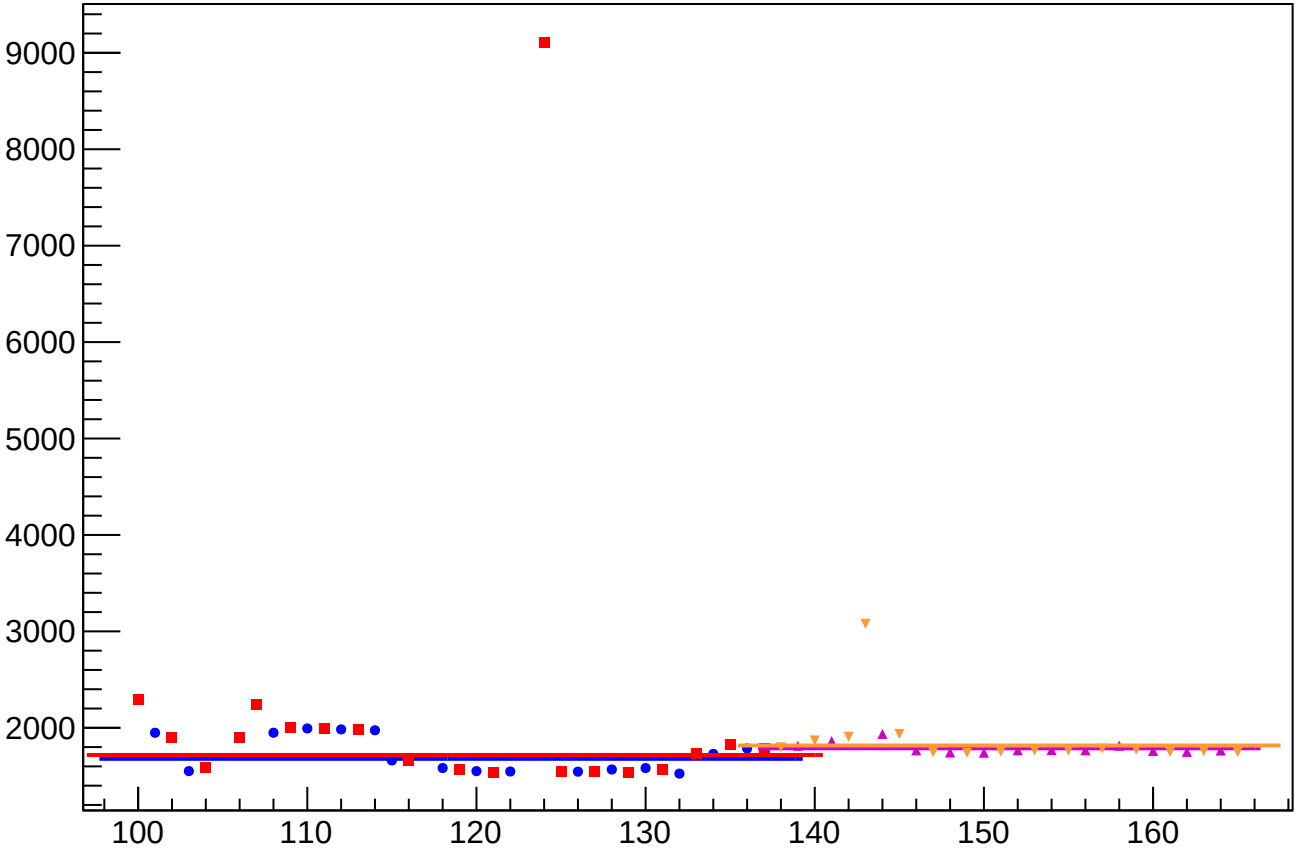
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2190.682+/-409.379 χ^2/NDF:30.5/28

Out: 1575.234+/-409.511 χ^2/NDF:36.6/33

All: 1883.057+/-289.521 χ^2/NDF: 68.2/62

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

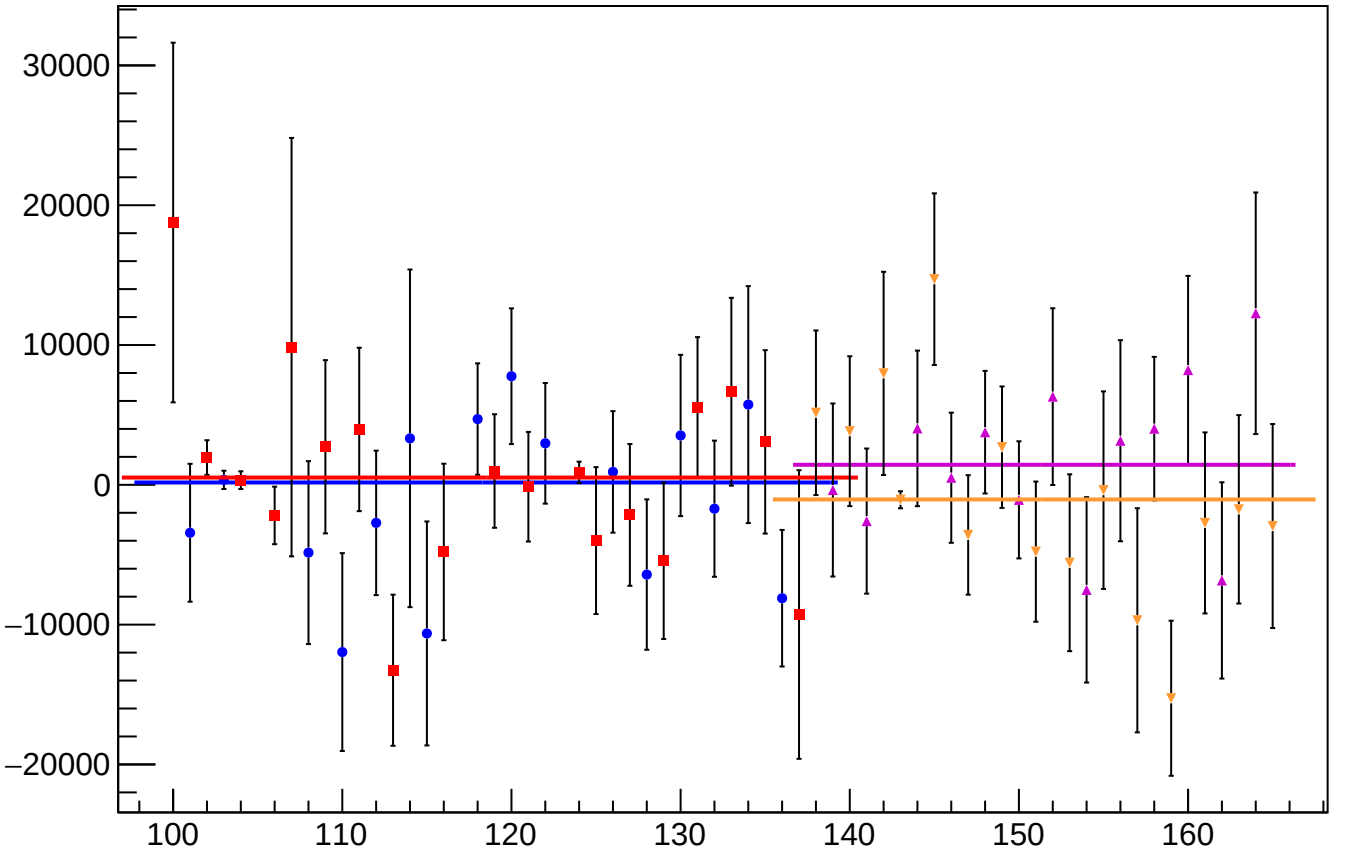
Left: 1802.227+/-0.268 χ^2/NDF: 324396.1/27

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1741.152+/-0.289 χ^2/NDF:194909.3/28

Out: 1776.382+/-0.289 χ^2/NDF:713718.1/33

All: 1758.795+/-0.205 χ^2/NDF: 916045.1/62



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1047.002+/-568.109 χ^2/NDF:20.1/14

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1432.698+/-1559.031 χ^2/NDF:8.3/12

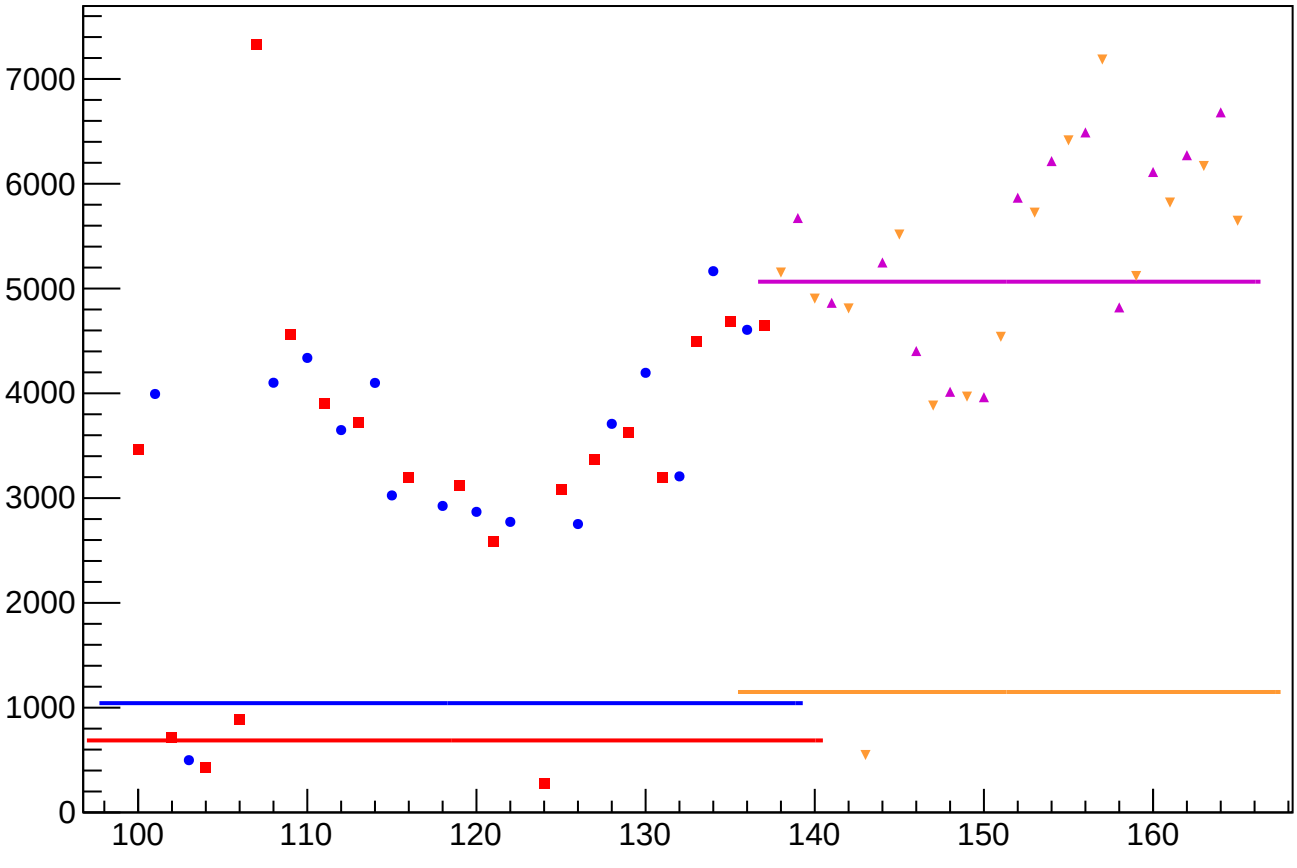
Left: -756.329+/-533.775 χ^2/NDF: 30.6/27

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 327.438+/-553.121 χ^2/NDF:24.7/28

Out: -41.225+/-340.199 χ^2/NDF:43.5/33

All: 59.960+/-289.776 χ^2/NDF: 68.6/62



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1149.633+/-0.402 χ^2/NDF:15165792.2/14

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5065.305+/-1.102 χ^2/NDF:671106.5/12

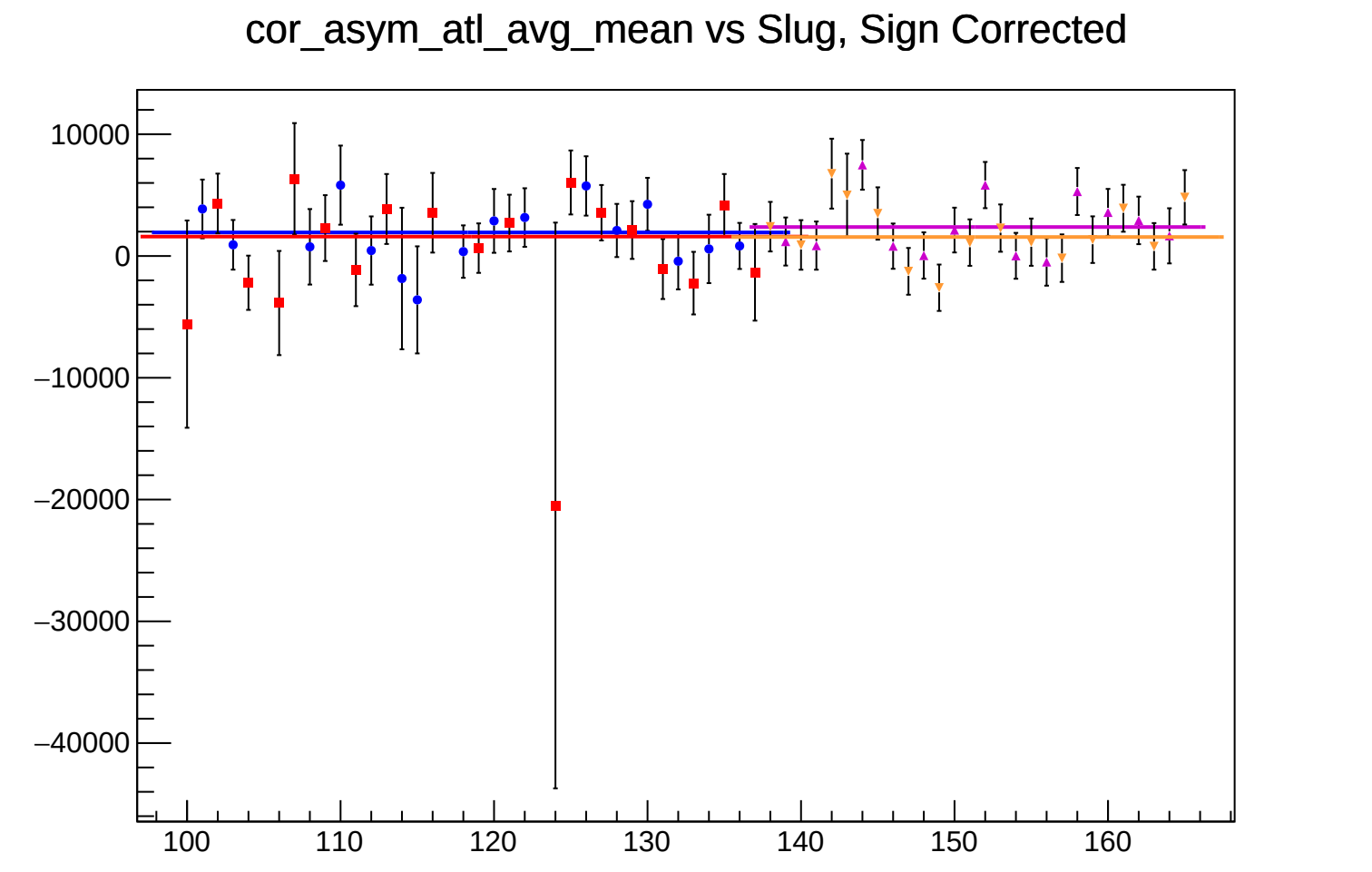
Left: 1608.632+/-0.377 χ^2/NDF: 26974326.2/27

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1549.400+/-0.391 χ^2/NDF:20419434.5/28

Out: 853.109+/-0.241 χ^2/NDF:24646802.8/33

All: 1044.215+/-0.205 χ^2/NDF: 47365722.9/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.678+/-531.613 χ^2/NDF:17.2/14

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2380.070+/-539.926 χ^2/NDF:19.3/12

Left: 1963.510+/-378.812 χ^2/NDF: 37.7/27

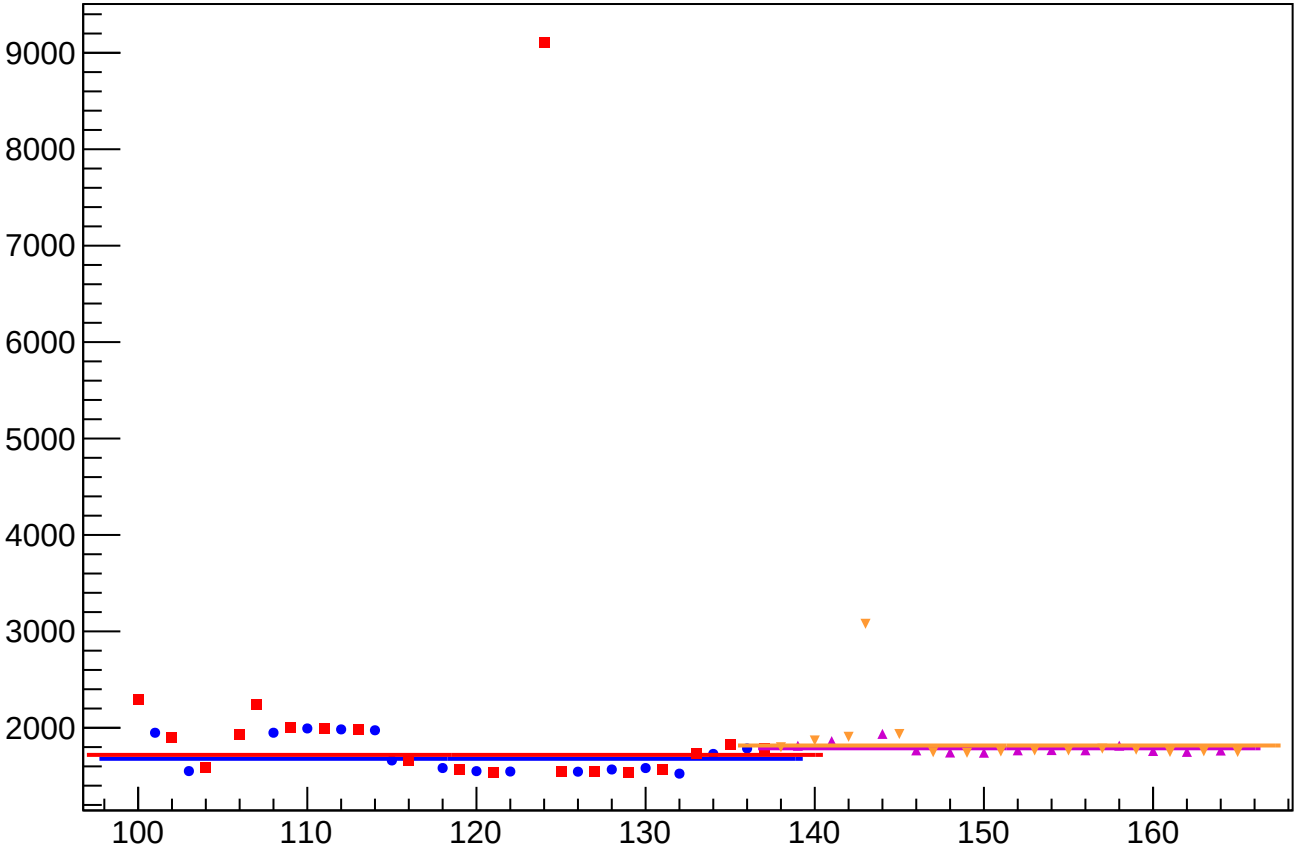
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2190.810+/-409.379 χ^2/NDF:30.5/28

Out: 1574.252+/-409.512 χ^2/NDF:36.6/33

All: 1882.631+/-289.522 χ^2/NDF: 68.2/62

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

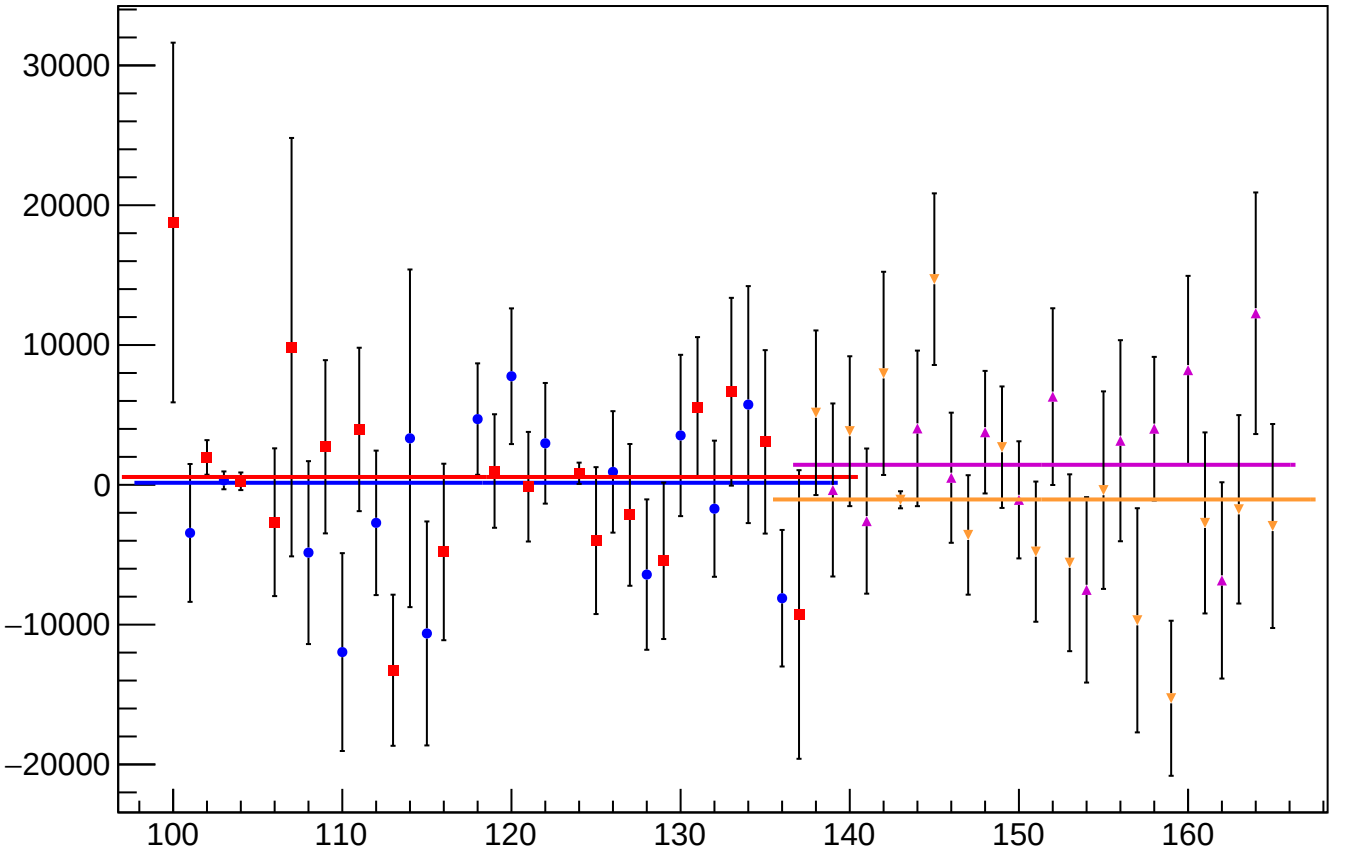
Left: 1802.227+/-0.268 χ^2/NDF: 324396.1/27

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.152+/-0.289 χ^2/NDF:194909.5/28

Out: 1776.746+/-0.289 χ^2/NDF:714972.8/33

All: 1758.974+/-0.205 χ^2/NDF: 917452.7/62



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1046.649+/-568.089 χ^2/NDF:20.1/14

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1432.840+/-1559.030 χ^2/NDF:8.3/12

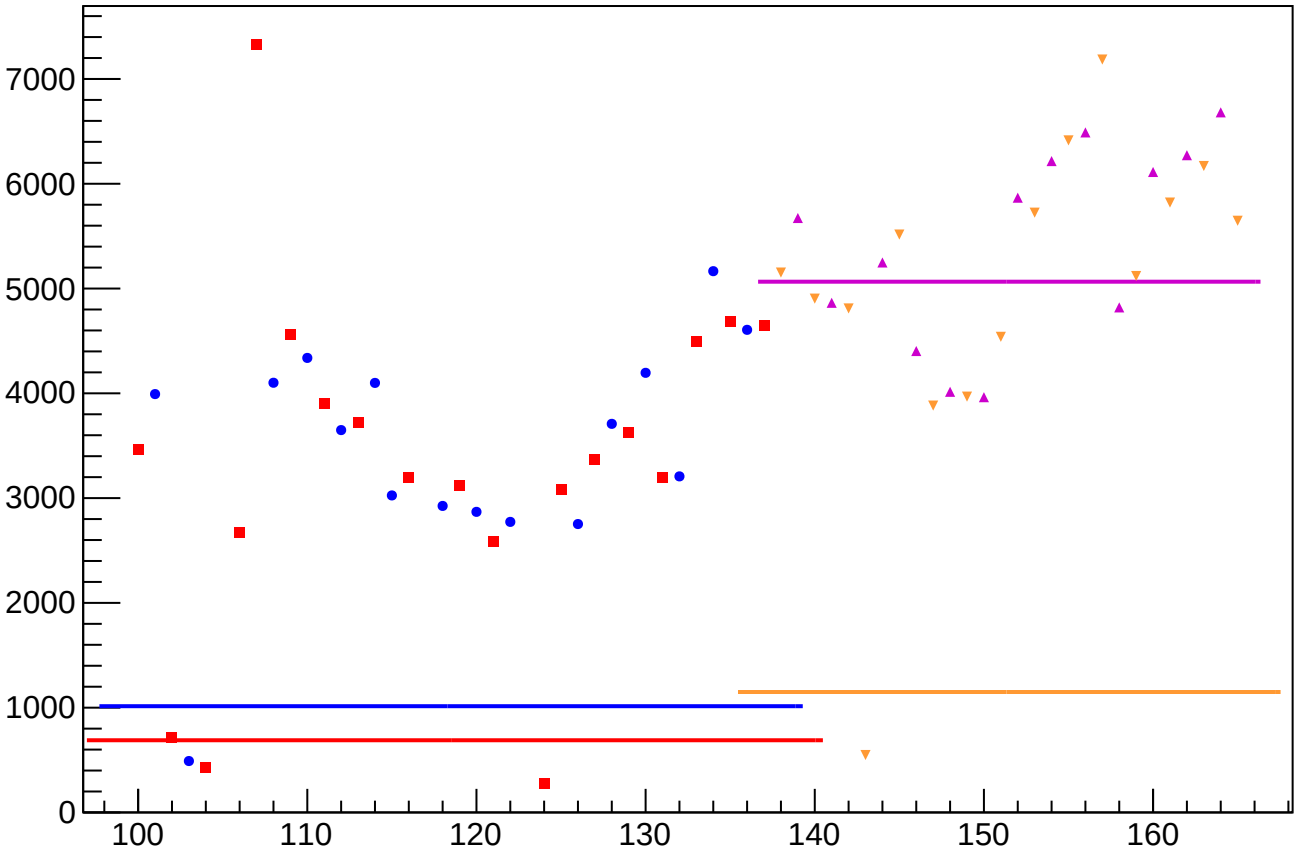
Left: -756.019+/-533.758 χ^2/NDF: 30.6/27

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 302.626+/-543.070 χ^2/NDF:24.7/28

Out: -25.366+/-343.172 χ^2/NDF:42.4/33

All: 68.231+/-290.105 χ^2/NDF: 67.4/62



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1149.571+/-0.402 χ^2/NDF:15166100.9/14

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

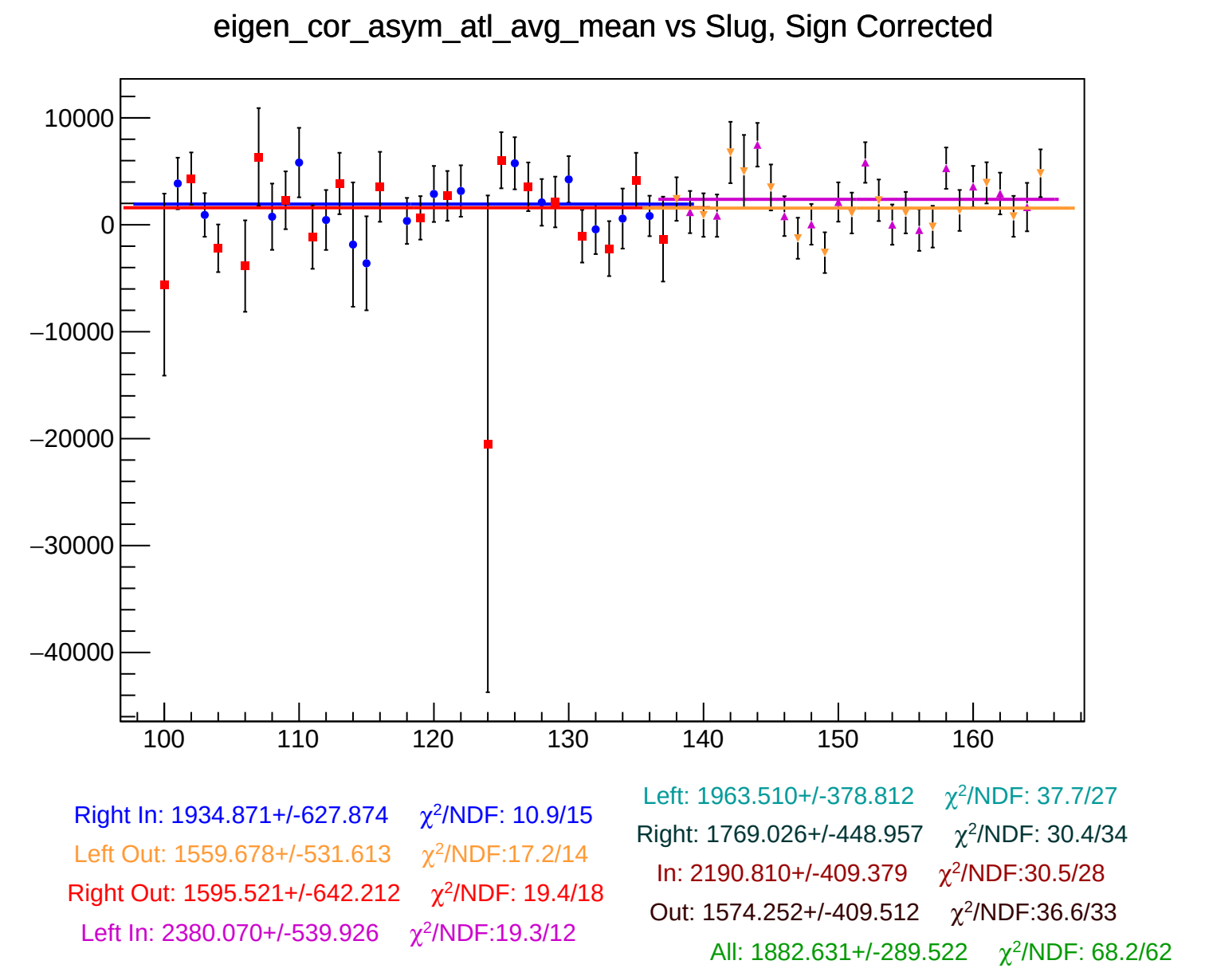
Left: 1608.548+/-0.377 χ^2/NDF: 26975083.2/27

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

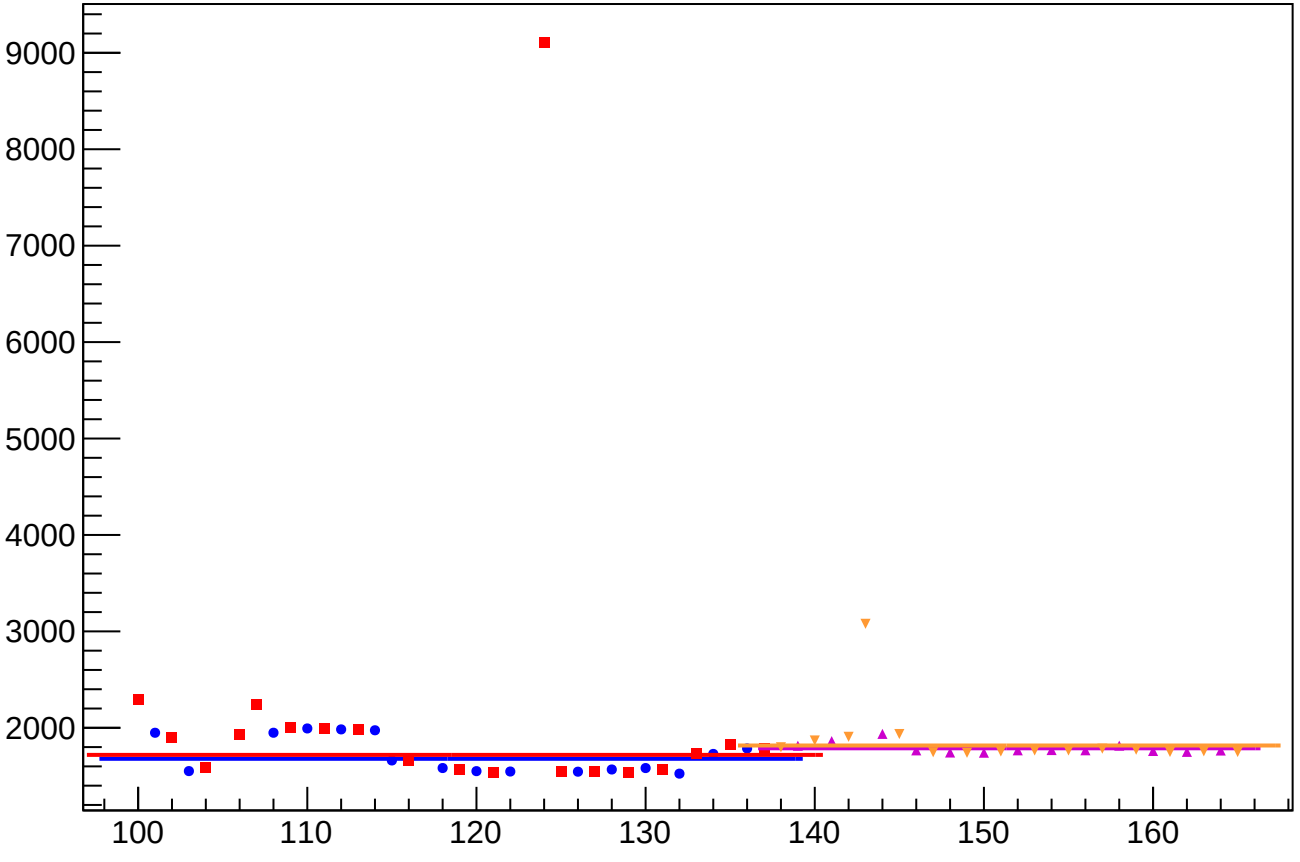
In: 1505.667+/-0.384 χ^2/NDF:20760307.0/28

Out: 857.104+/-0.243 χ^2/NDF:24911144.5/33

All: 1042.179+/-0.205 χ^2/NDF: 47709940.0/6


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 1559.678+/-531.613 χ²/NDF:17.2/14
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2380.070+/-539.926 χ²/NDF:19.3/12
Left: 1963.510+/-378.812 χ²/NDF: 37.7/27
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2190.810+/-409.379 χ²/NDF:30.5/28
Out: 1574.252+/-409.512 χ²/NDF:36.6/33
All: 1882.631+/-289.522 χ²/NDF: 68.2/62

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

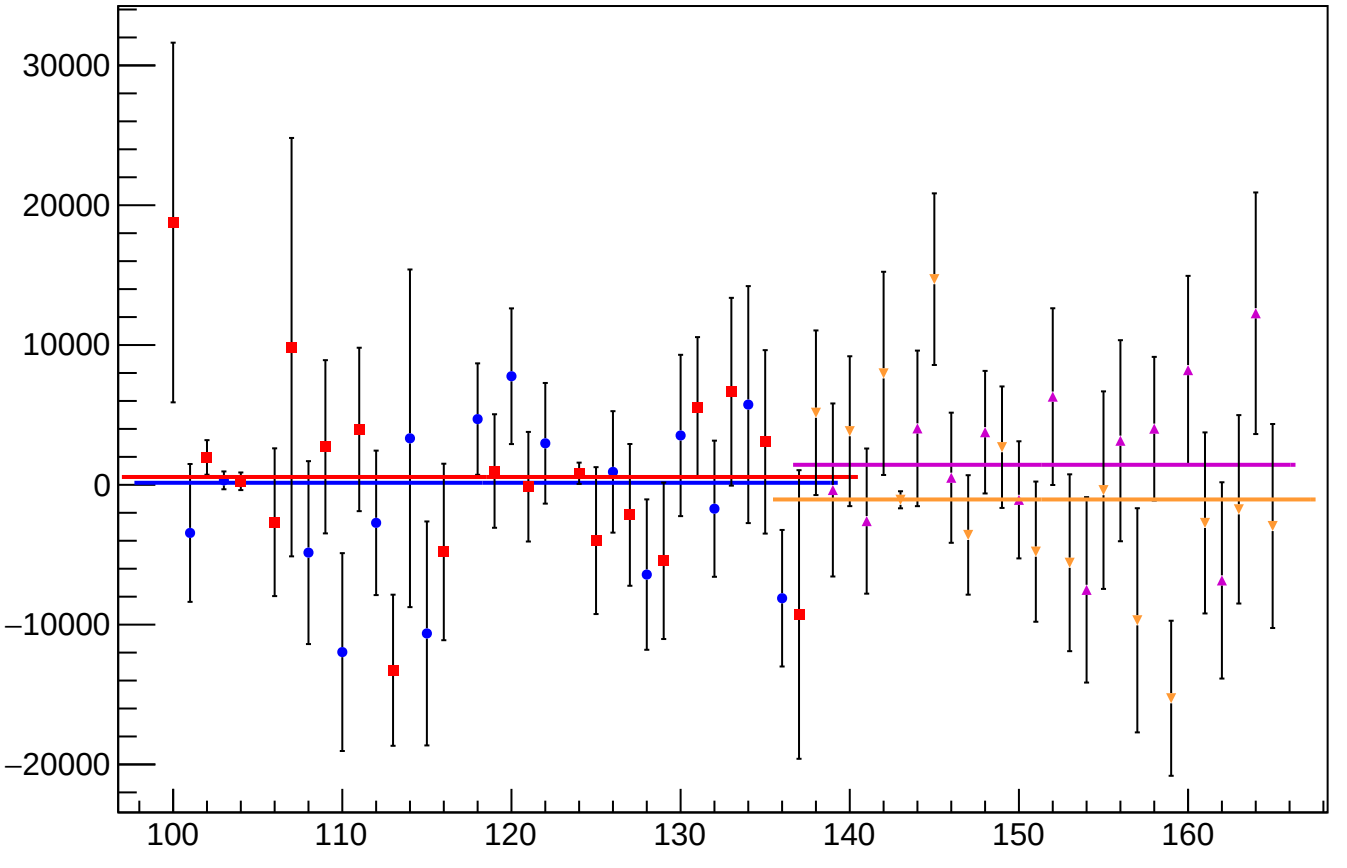
Left: 1802.227+/-0.268 χ^2/NDF: 324396.1/27

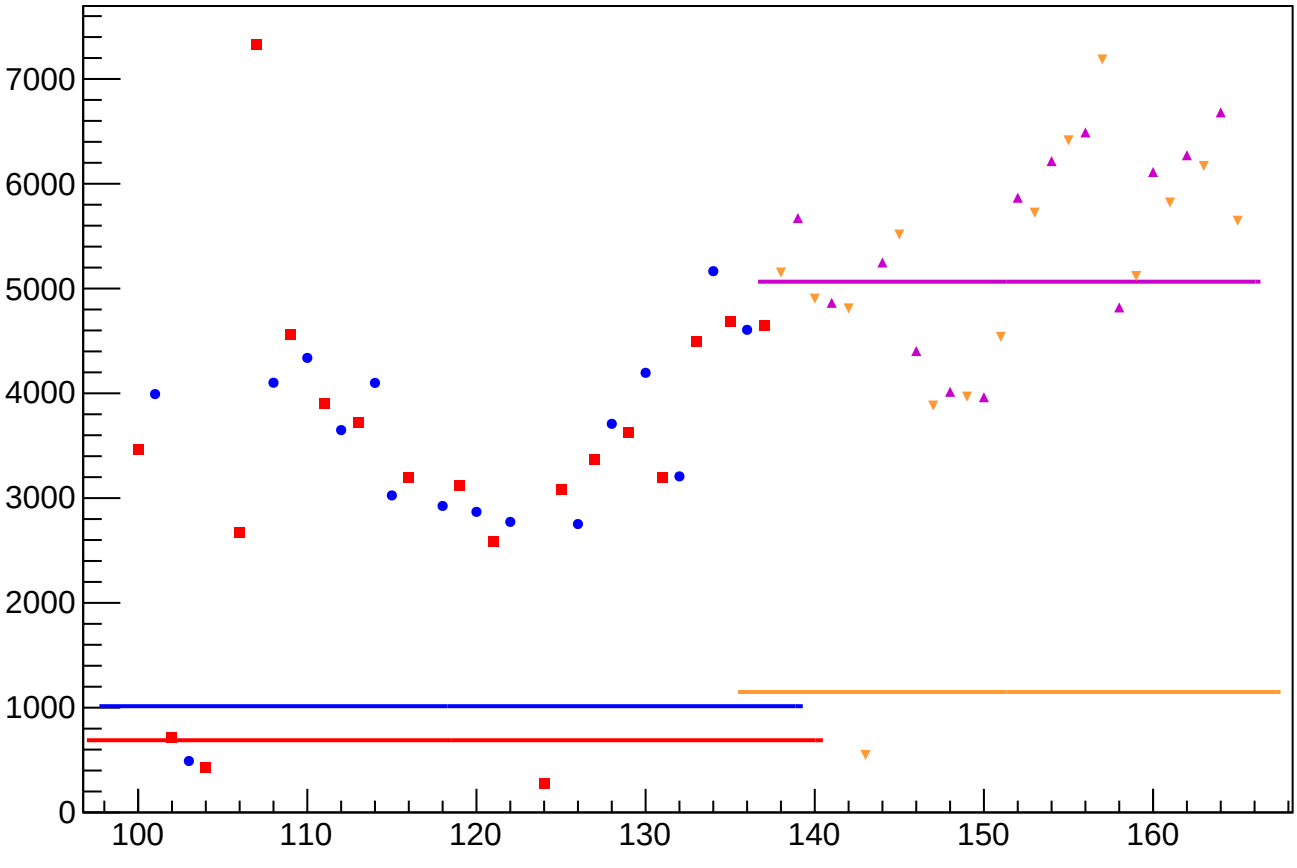
Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.152+/-0.289 χ^2/NDF:194909.5/28

Out: 1776.746+/-0.289 χ^2/NDF:714972.8/33

All: 1758.974+/-0.205 χ^2/NDF: 917452.7/62


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: -1046.649+/-568.089 χ²/NDF:20.1/14
Right Out: 561.454+/-430.621 χ²/NDF: 17.2/18
Left In: 1432.840+/-1559.030 χ²/NDF:8.3/12
Left: -756.019+/-533.758 χ²/NDF: 30.6/27
Right: 413.806+/-345.609 χ²/NDF: 33.3/34
In: 302.626+/-543.070 χ²/NDF:24.7/28
Out: -25.366+/-343.172 χ²/NDF:42.4/33
All: 68.231+/-290.105 χ²/NDF: 67.4/62



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1149.571+/-0.402 χ^2/NDF:15166100.9/14

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

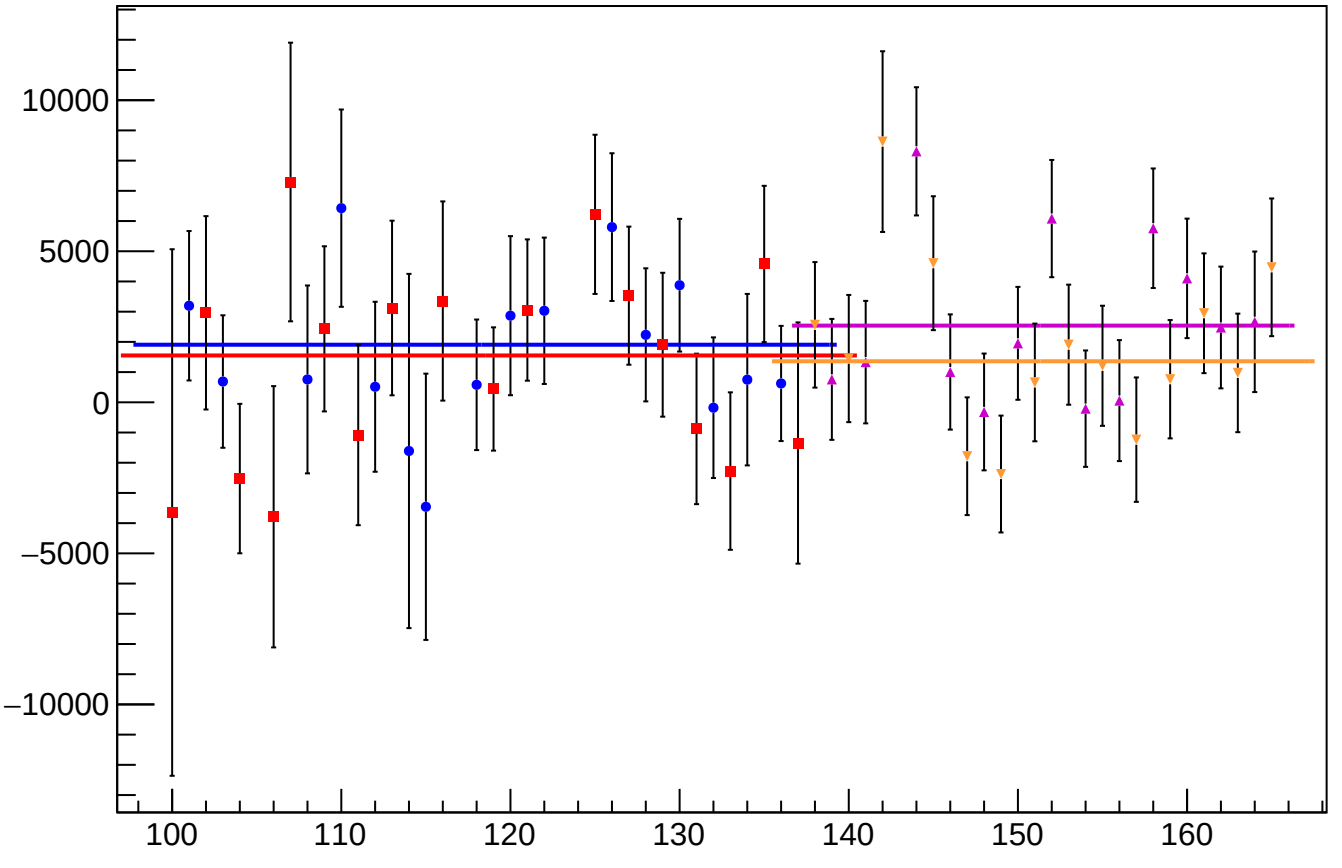
Left: 1608.548+/-0.377 χ^2/NDF: 26975083.2/27

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1505.667+/-0.384 χ^2/NDF:20760307.0/28

Out: 857.104+/-0.243 χ^2/NDF:24911144.5/33

All: 1042.179+/-0.205 χ^2/NDF: 47709940.0/6



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1358.653+/-552.432 χ^2/NDF:19.2/13

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2538.770+/-552.982 χ^2/NDF:21.7/12

Left: 1948.124+/-390.823 χ^2/NDF: 43.1/26

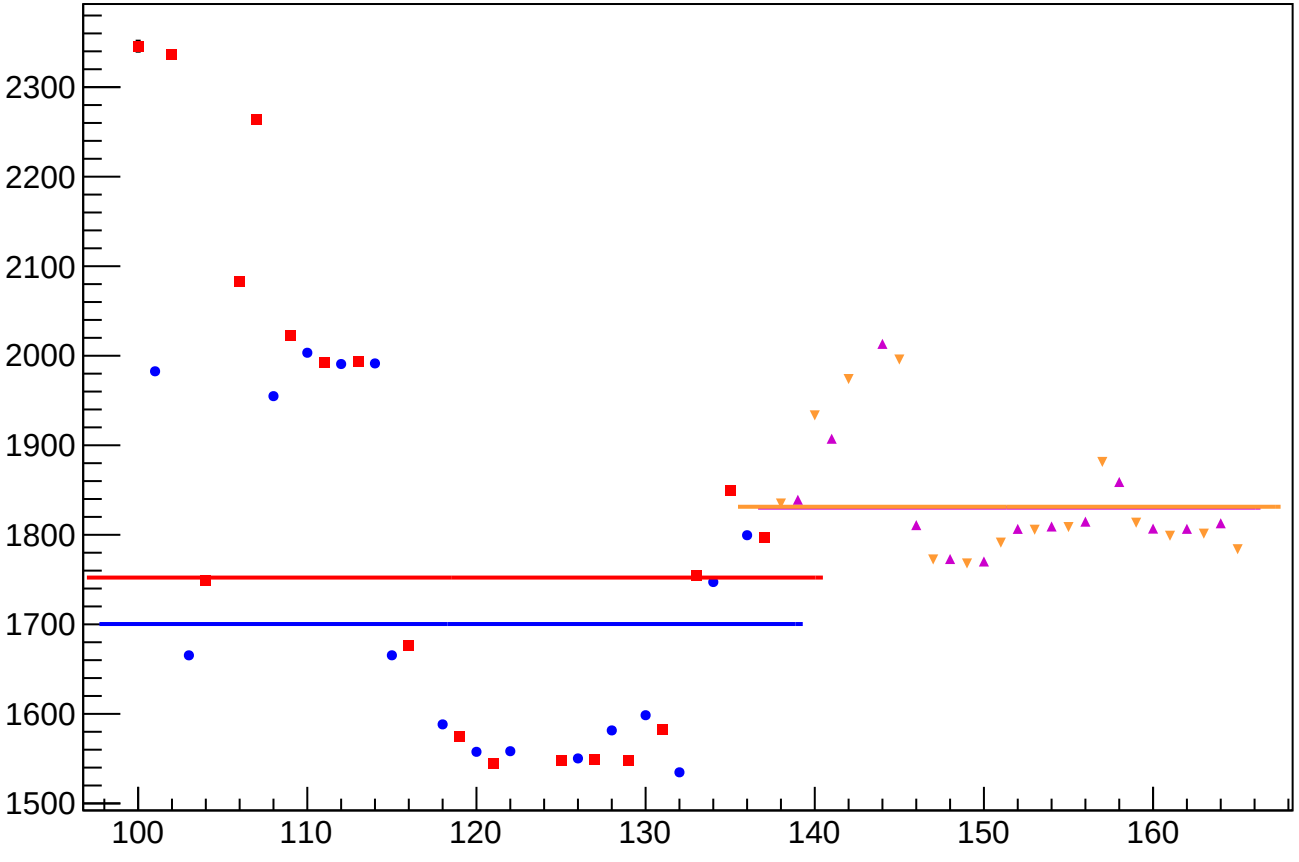
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2266.652+/-417.426 χ^2/NDF:32.4/28

Out: 1437.740+/-423.900 χ^2/NDF:36.7/31

All: 1858.574+/-297.427 χ^2/NDF: 71.0/60

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1831.334+/-0.391 χ^2/NDF:28894.7/13

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1830.367+/-0.391 χ^2/NDF:23573.3/12

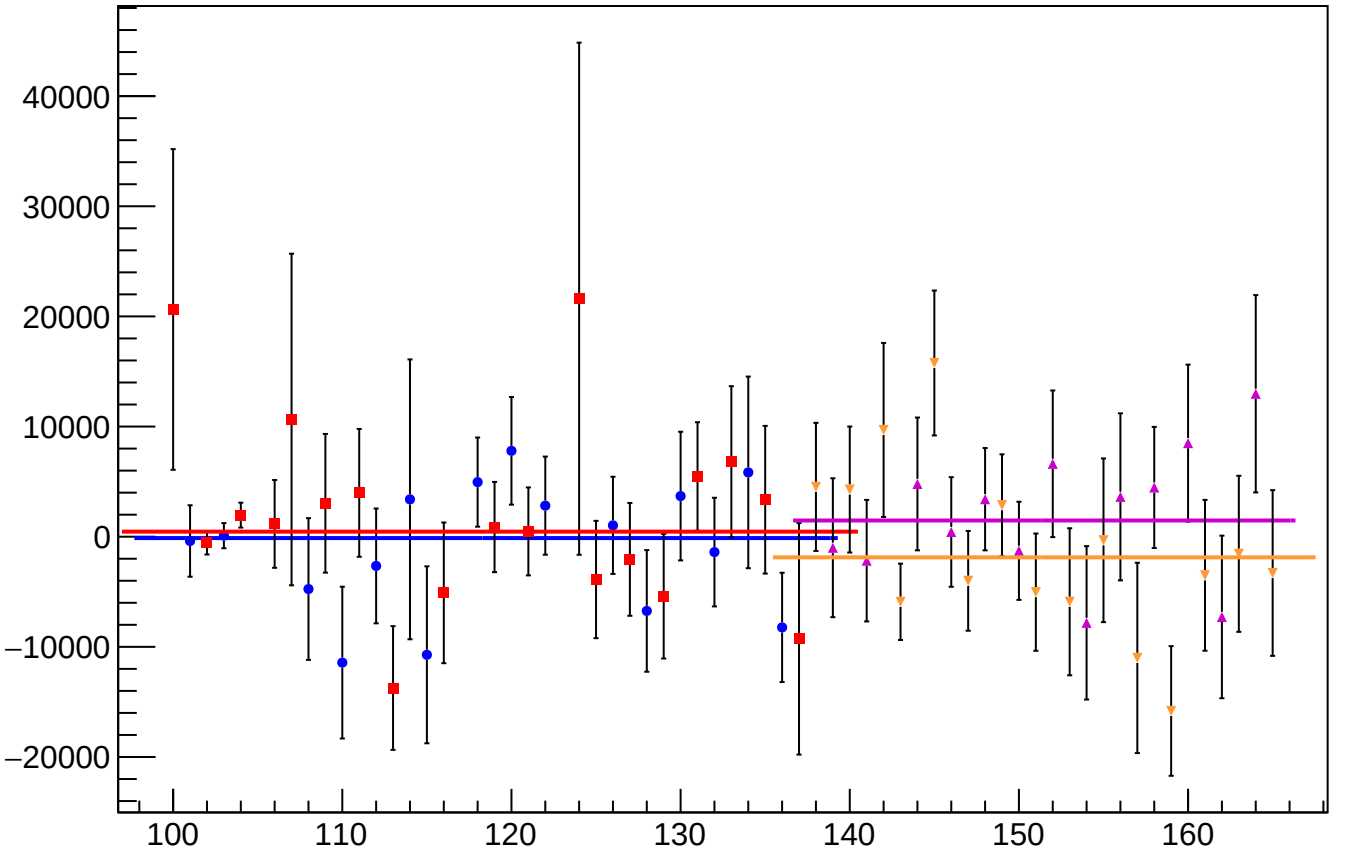
Left: 1830.851+/-0.276 χ^2/NDF: 52471.0/26

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1774.439+/-0.295 χ^2/NDF:206549.3/28

Out: 1798.723+/-0.299 χ^2/NDF:293751.6/31

All: 1786.405+/-0.210 χ^2/NDF: 503636.4/60



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1874.811+/-1481.963 χ^2/NDF:21.9/14

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1471.949+/-1651.013 χ^2/NDF:8.3/12

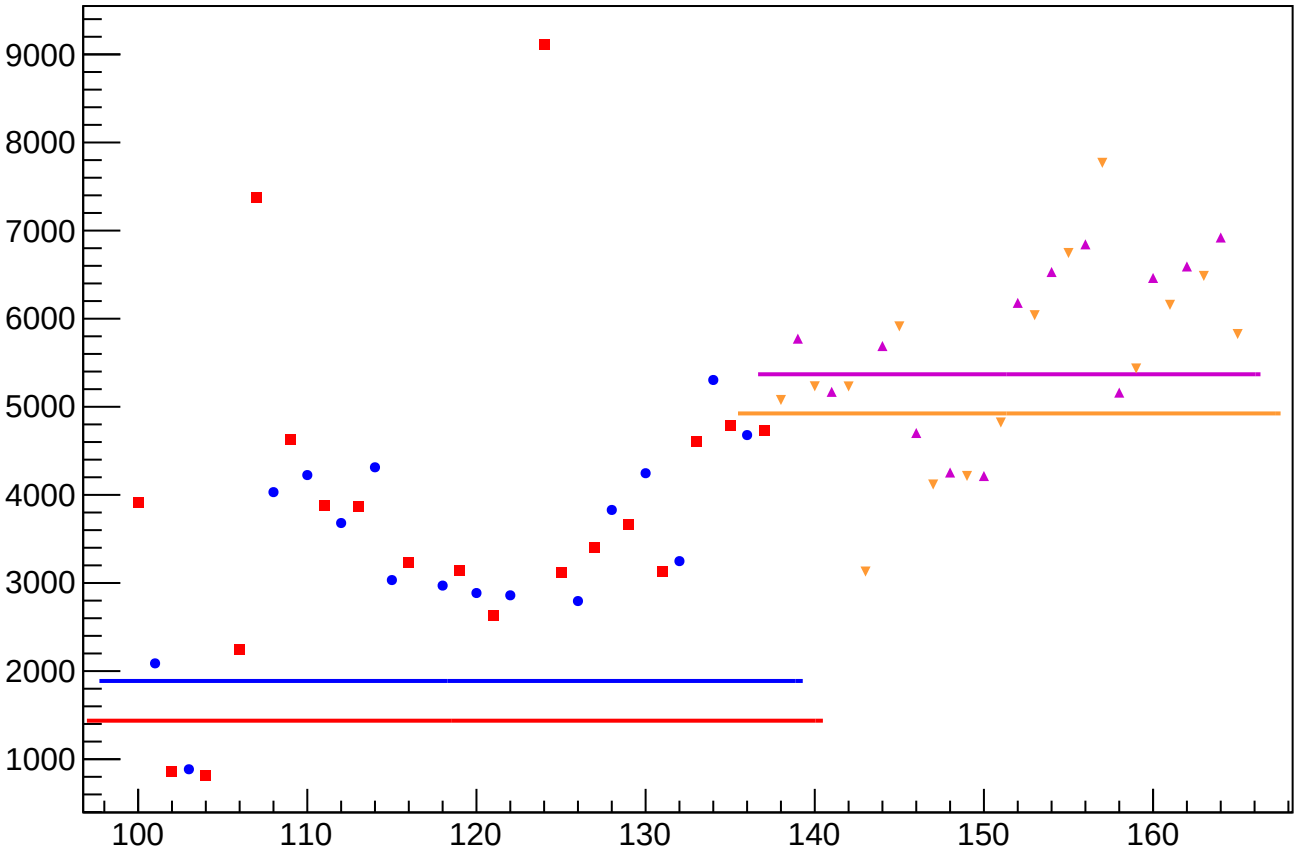
Left: -381.492+/-1102.845 χ^2/NDF: 32.5/27

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 220.226+/-768.046 χ^2/NDF:24.1/28

Out: 54.279+/-617.410 χ^2/NDF:42.5/33

All: 119.420+/-481.206 χ^2/NDF: 66.6/62



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4924.595+/-1.048 χ^2/NDF:1301985.6/14

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5369.112+/-1.167 χ^2/NDF:627963.3/12

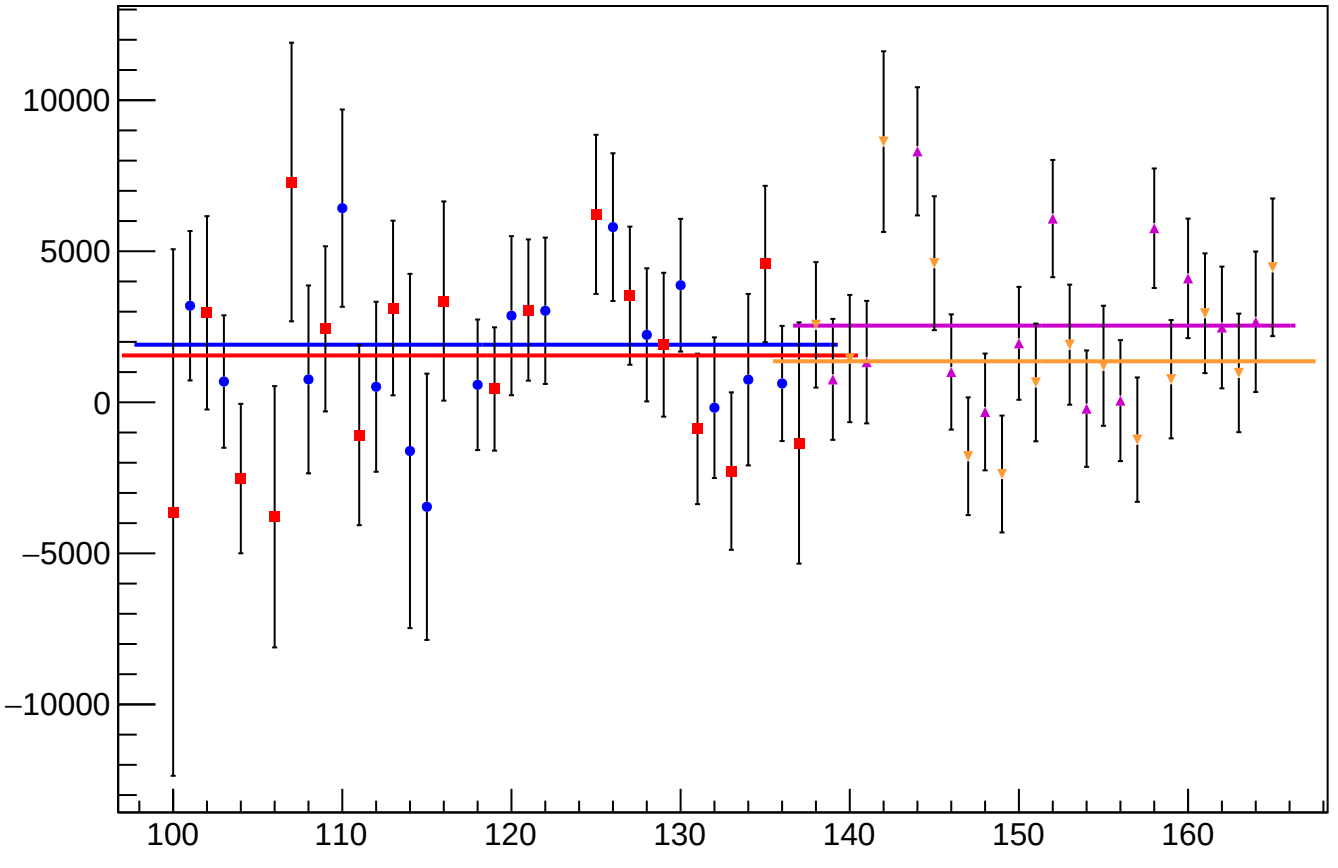
Left: 5122.938+/-0.780 χ^2/NDF: 2010238.9/27

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2641.340+/-0.543 χ^2/NDF:12020809.8/28

Out: 2042.427+/-0.437 χ^2/NDF:16419676.1/33

All: 2277.526+/-0.340 χ^2/NDF: 29179235.4/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1358.648+/-552.433 χ^2/NDF:19.2/13

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2538.771+/-552.983 χ^2/NDF:21.7/12

Left: 1948.122+/-390.823 χ^2/NDF: 43.1/26

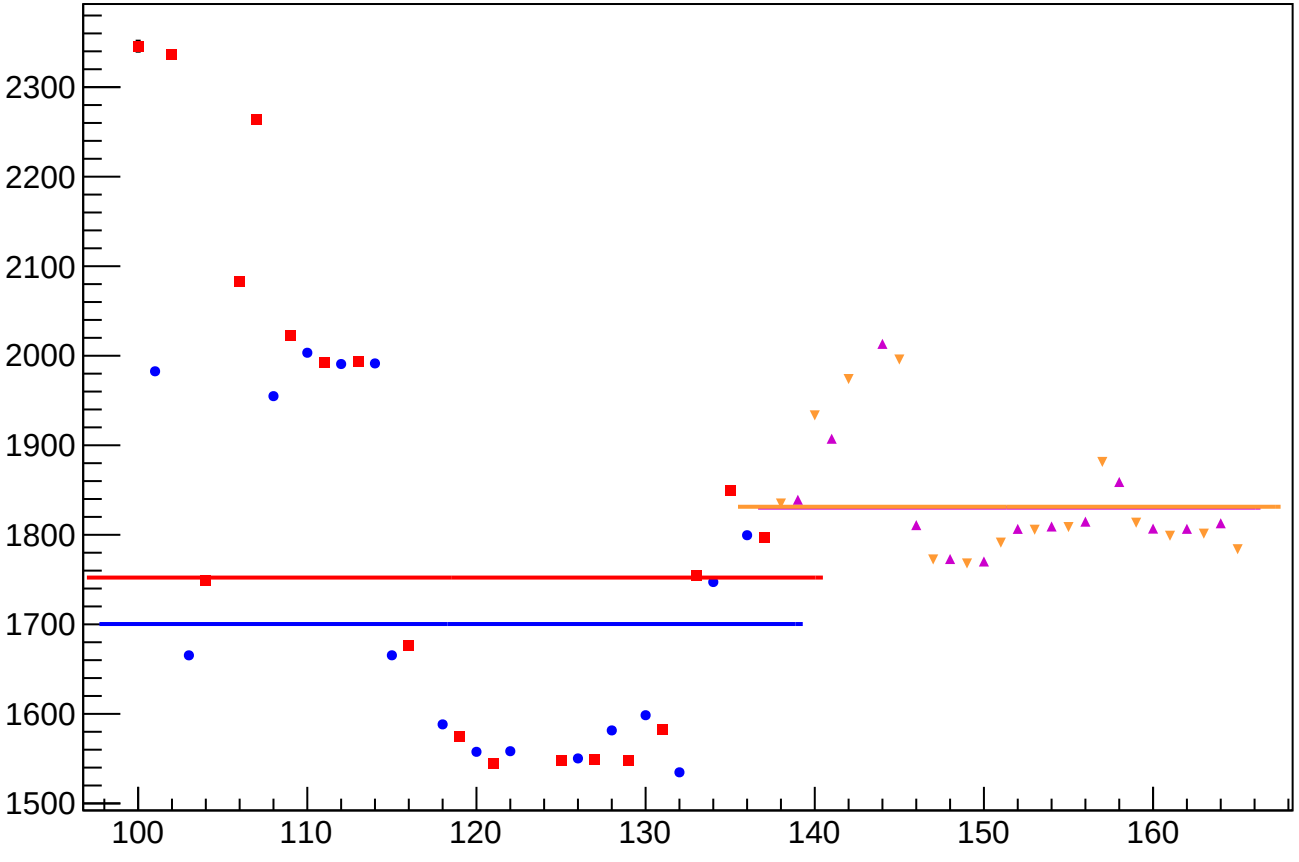
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2266.652+/-417.426 χ^2/NDF:32.4/28

Out: 1437.736+/-423.900 χ^2/NDF:36.7/31

All: 1858.572+/-297.427 χ^2/NDF: 71.0/60

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1831.336+/-0.391 χ^2/NDF:28895.2/13

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1830.368+/-0.391 χ^2/NDF:23573.5/12

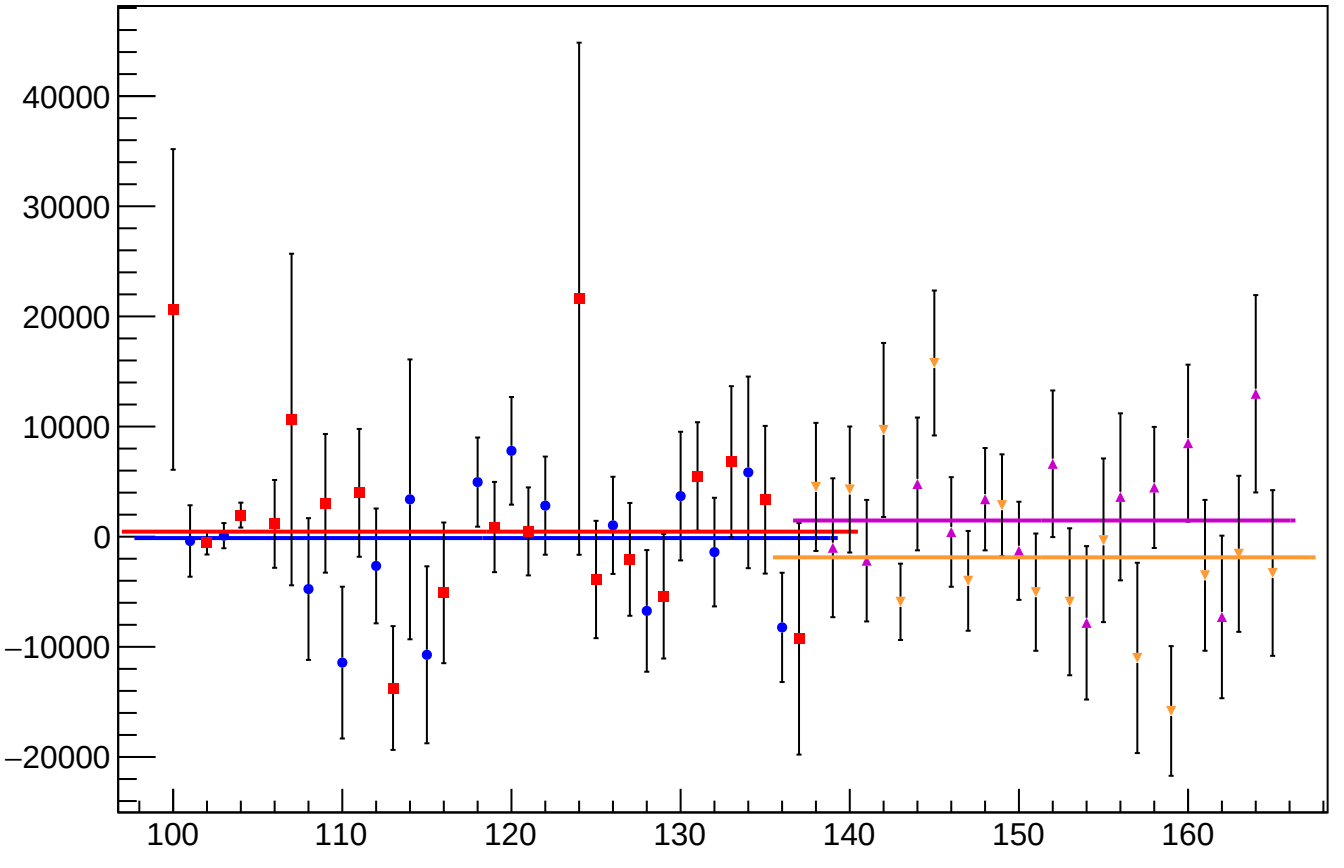
Left: 1830.852+/-0.276 χ^2/NDF: 52471.8/26

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1774.440+/-0.295 χ^2/NDF:206550.9/28

Out: 1798.723+/-0.299 χ^2/NDF:293752.4/31

All: 1786.406+/-0.210 χ^2/NDF: 503638.8/60



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1874.818+/-1481.965 χ^2/NDF:21.9/14

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1471.949+/-1651.015 χ^2/NDF:8.3/12

Left: -381.496+/-1102.846 χ^2/NDF: 32.5/27

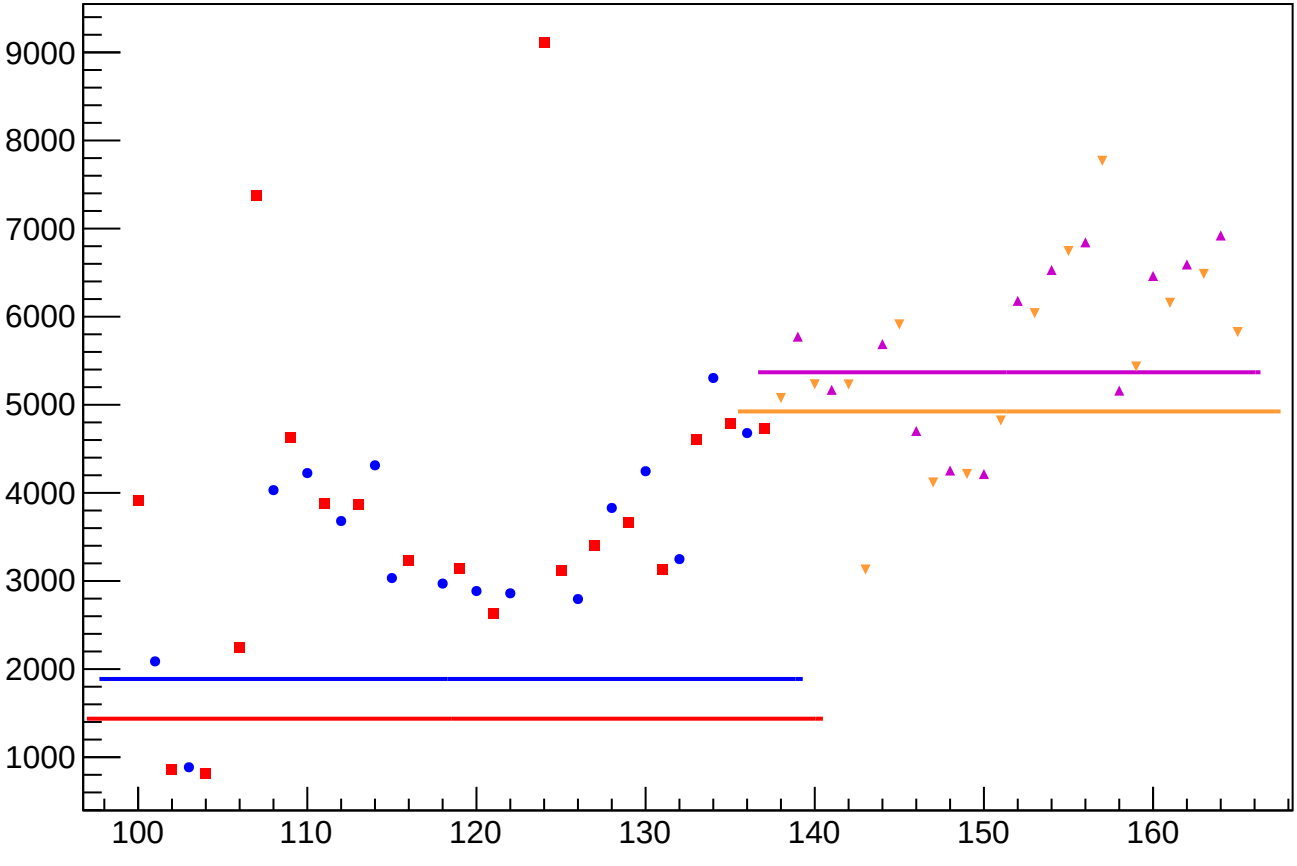
Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 220.225+/-768.042 χ^2/NDF:24.1/28

Out: 54.283+/-617.406 χ^2/NDF:42.5/33

All: 119.422+/-481.203 χ^2/NDF: 66.6/62

asym_atl_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4924.599+/-1.048 χ^2/NDF:1301993.4/14

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5369.119+/-1.167 χ^2/NDF:627966.9/12

Left: 5122.943+/-0.780 χ^2/NDF: 2010250.7/27

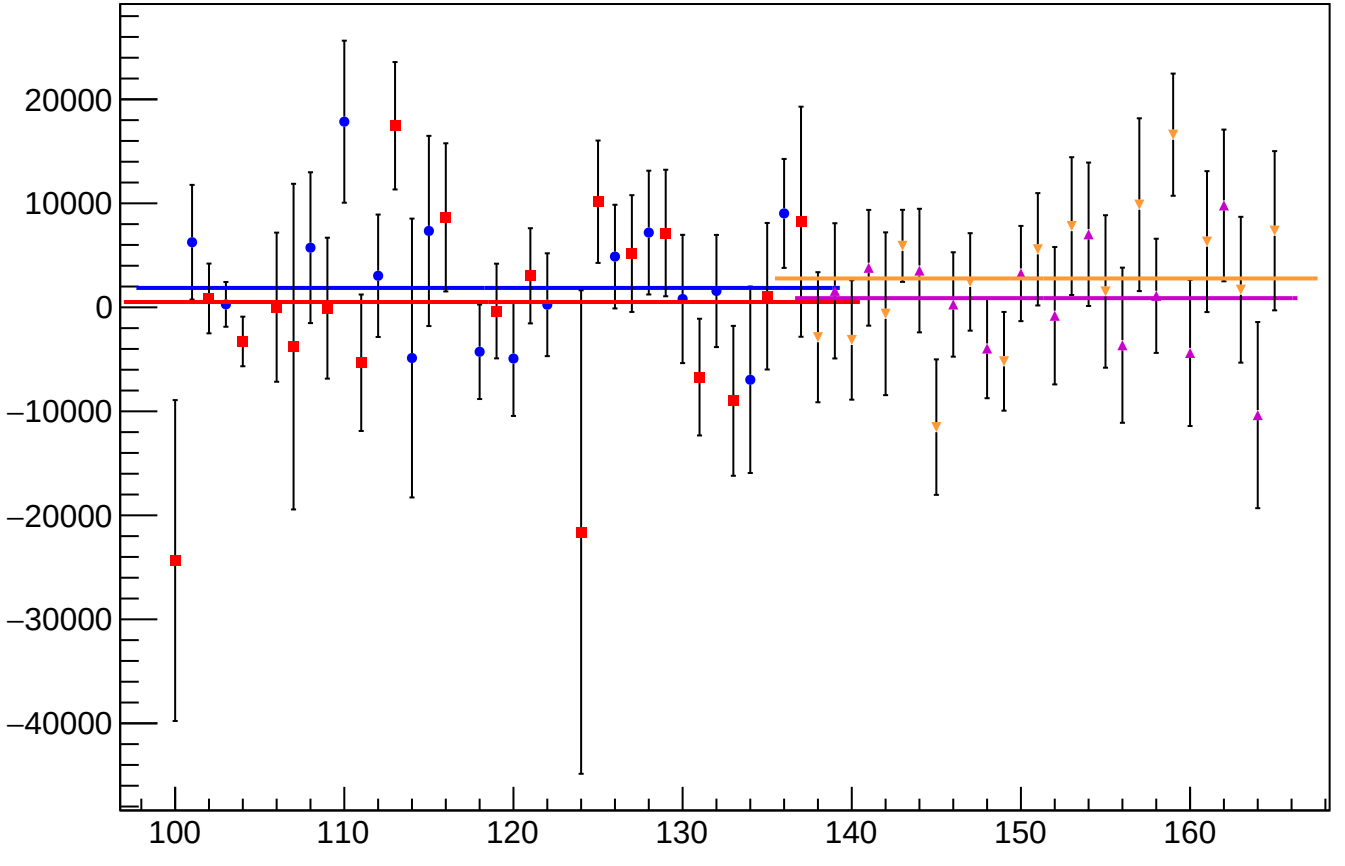
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2641.319+/-0.543 χ^2/NDF:12020948.3/28

Out: 2042.408+/-0.437 χ^2/NDF:16419821.4/33

All: 2277.506+/-0.340 χ^2/NDF: 29179522.6/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2778.694+/-1495.114 χ^2/NDF:18.3/14

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 882.917+/-1661.962 χ^2/NDF:6.7/12

Left: 1930.717+/-1111.526 χ^2/NDF: 25.7/27

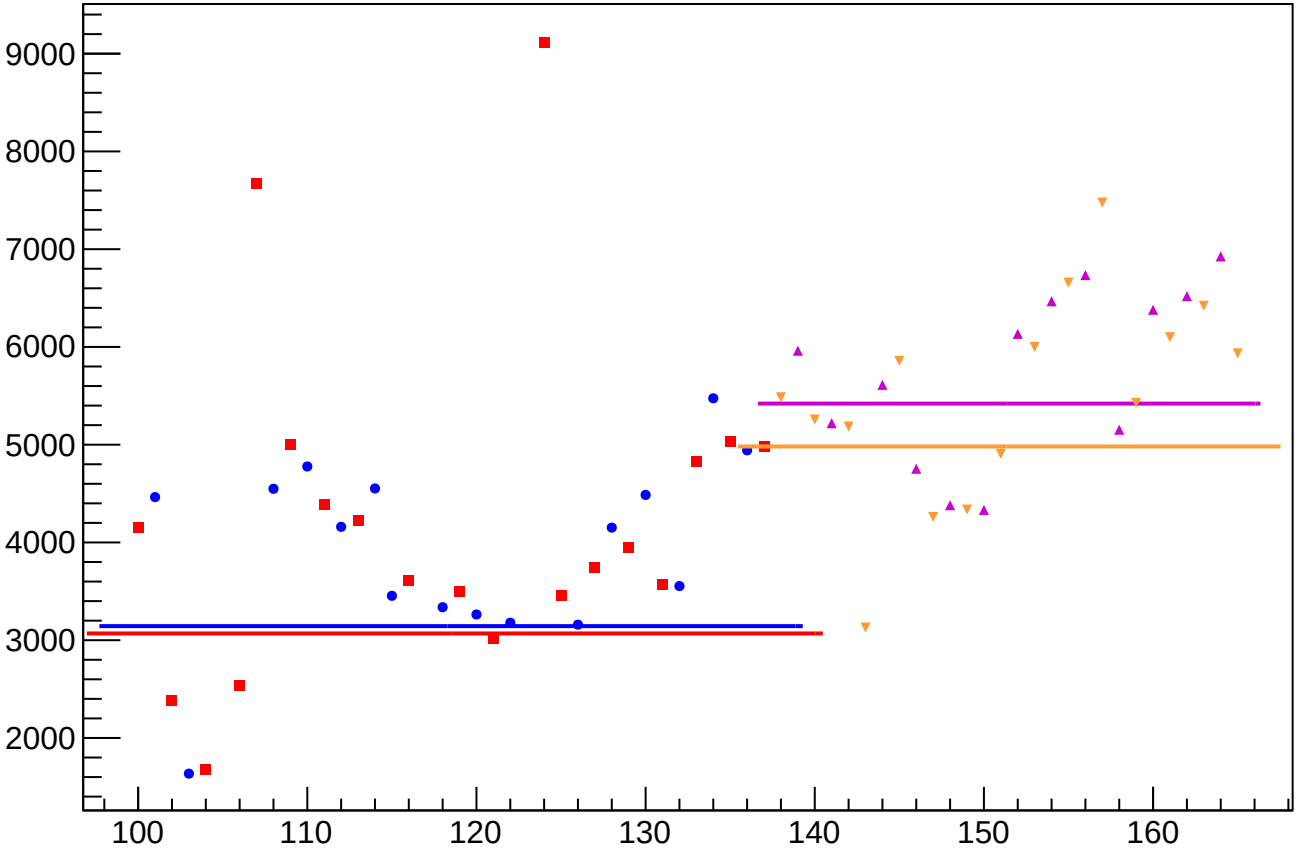
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1507.872+/-1003.652 χ^2/NDF:20.7/28

Out: 1437.396+/-955.143 χ^2/NDF:44.4/33

All: 1470.890+/-691.902 χ^2/NDF: 65.0/62

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4981.801+/-1.057 χ^2/NDF:1224433.5/14

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5420.520+/-1.175 χ^2/NDF:536760.3/12

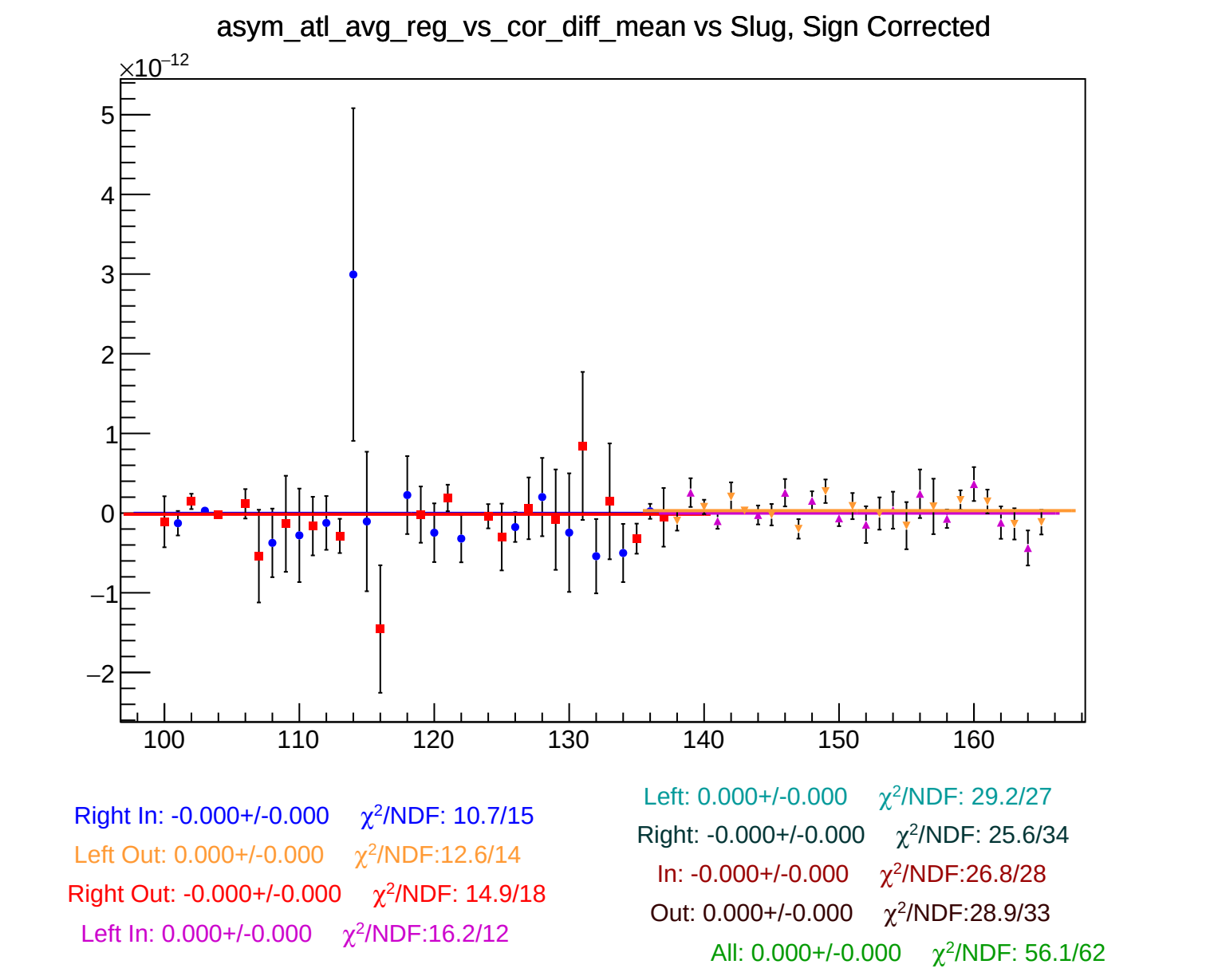
Left: 5178.039+/-0.786 χ^2/NDF: 1838222.1/27

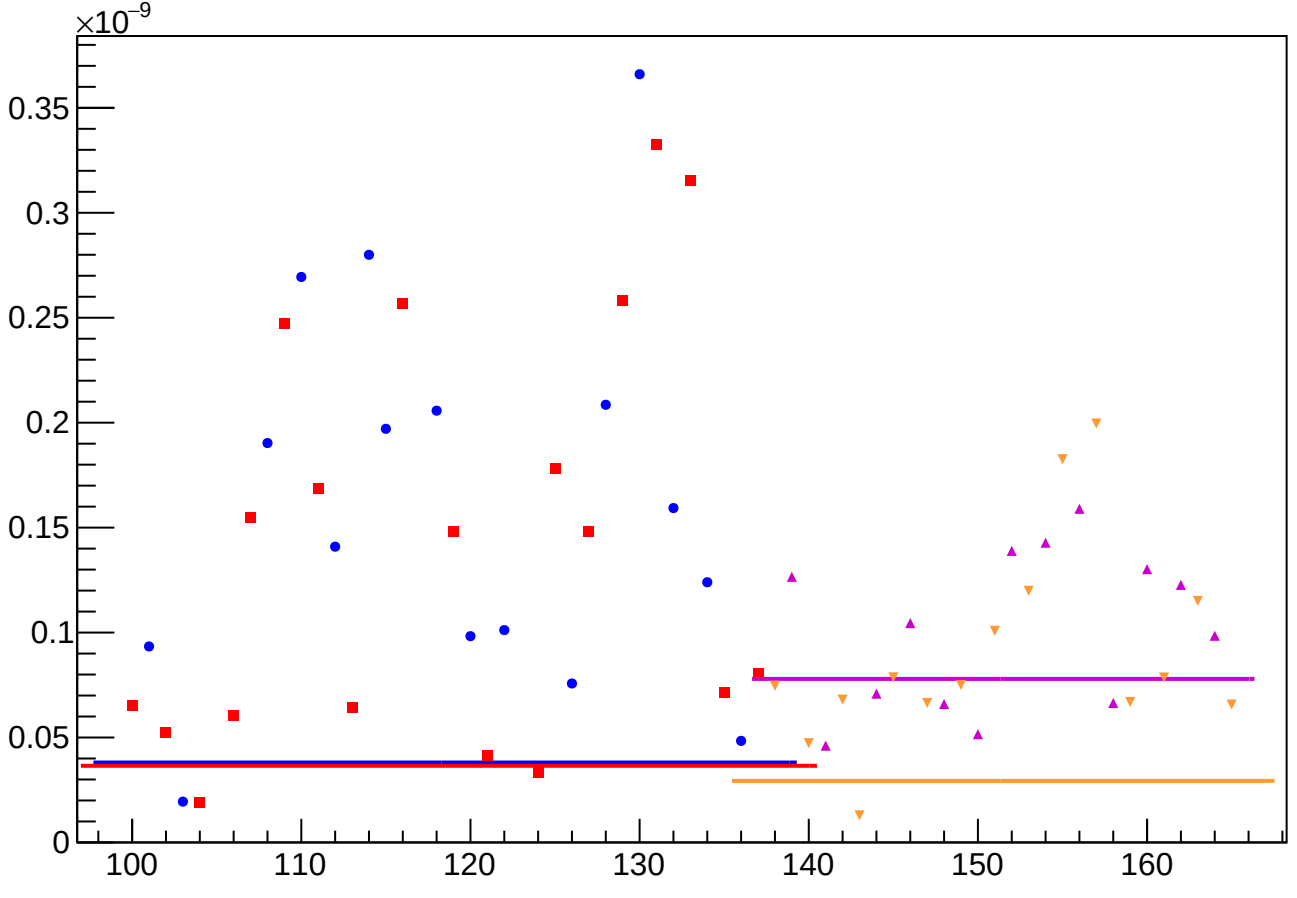
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3974.309+/-0.710 χ^2/NDF:4803672.7/28

Out: 3835.242+/-0.669 χ^2/NDF:5068197.9/33

All: 3900.685+/-0.487 χ^2/NDF: 9892199.1/62


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:12.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.2/12
Left: 0.000+/-0.000 χ²/NDF: 29.2/27
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:26.8/28
Out: 0.000+/-0.000 χ²/NDF:28.9/33
All: 0.000+/-0.000 χ²/NDF: 56.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4767796.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1270787.4/12

Left: 0.000+/-0.000 χ^2/NDF: 8335769.0/27

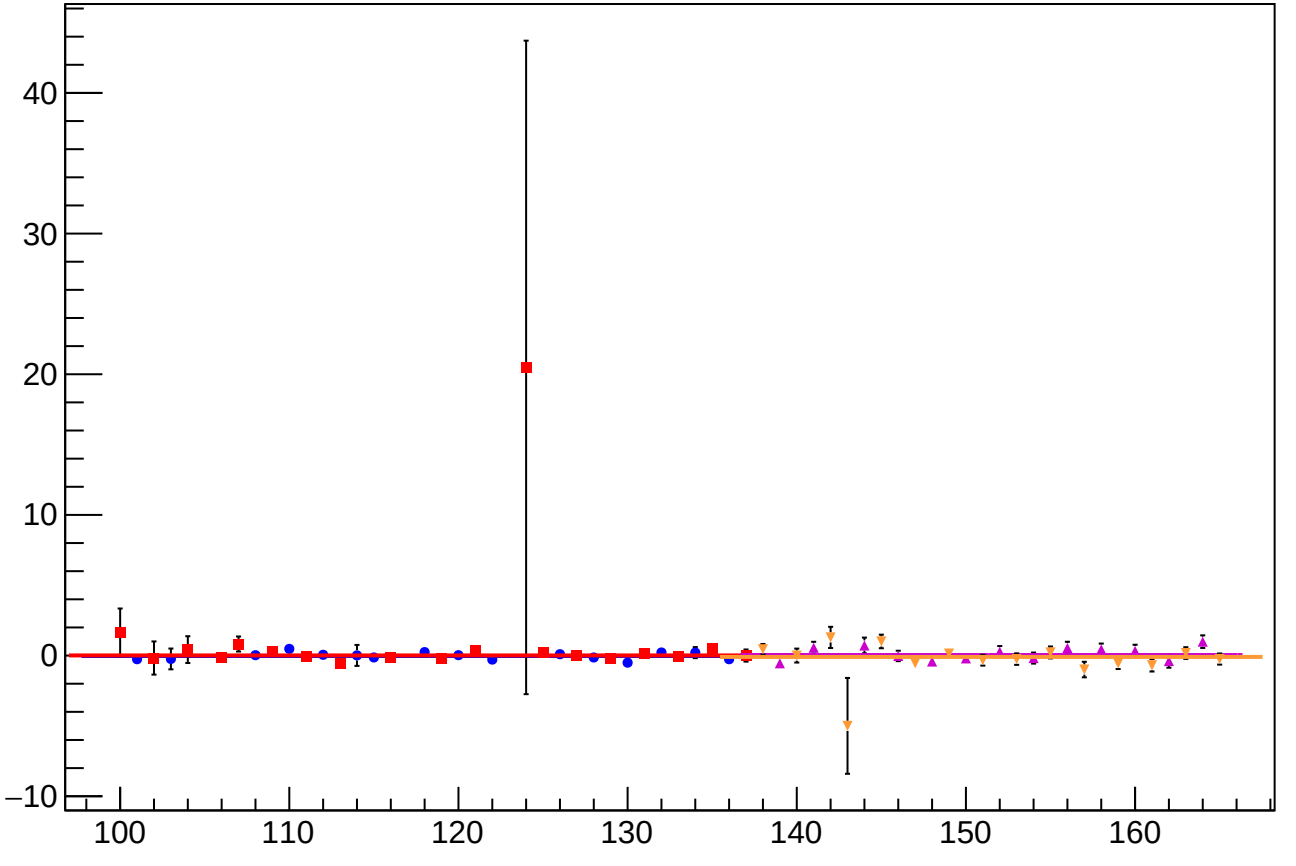
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5289961.2/28

Out: 0.000+/-0.000 χ^2/NDF:7522262.0/33

All: 0.000+/-0.000 χ^2/NDF: 13915563.0/62

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: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.027+/-0.078 χ^2/NDF: 41.9/27

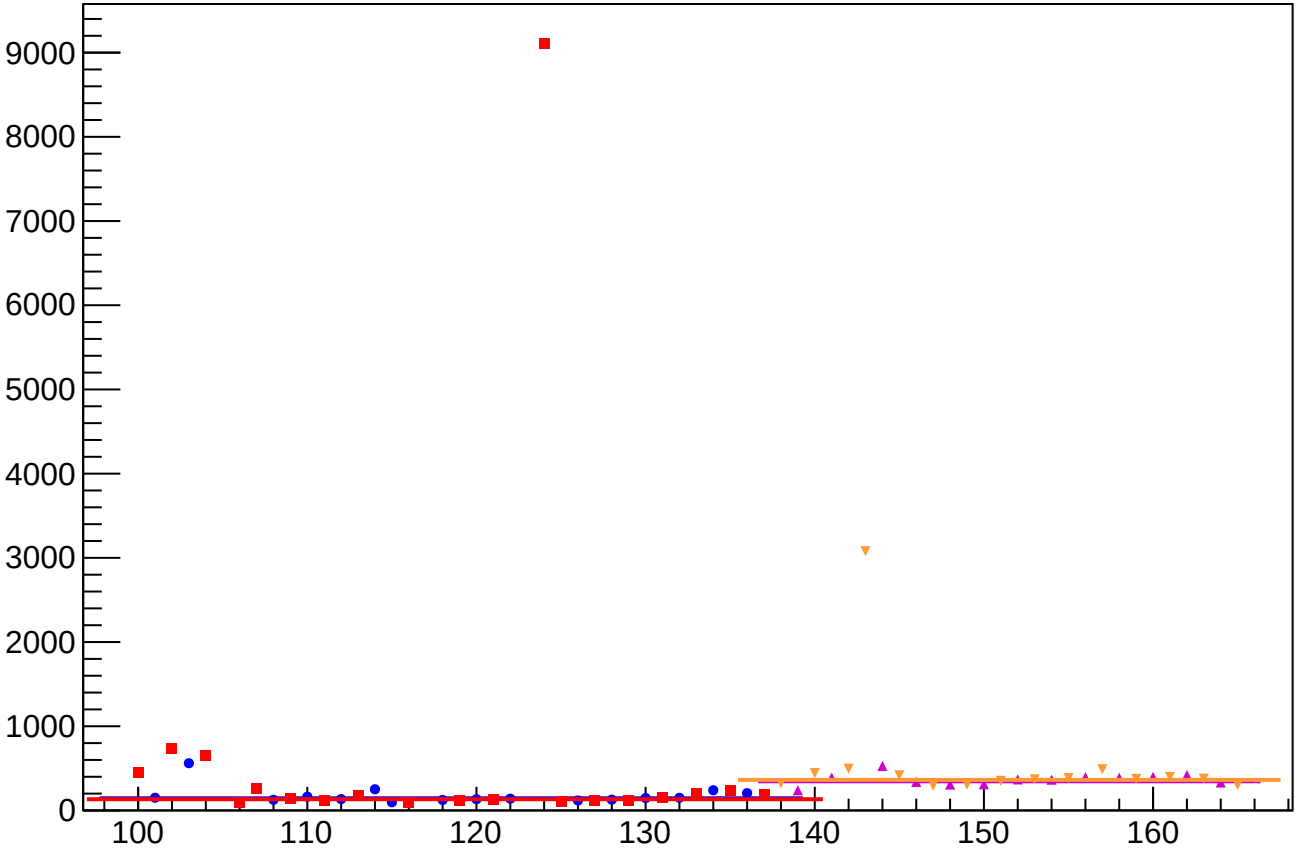
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.012+/-0.036 χ^2/NDF: 81.3/62

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: 363.105+/-0.079 χ^2/NDF:1755342.6/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

Left: 354.320+/-0.055 χ^2/NDF: 2507031.0/27

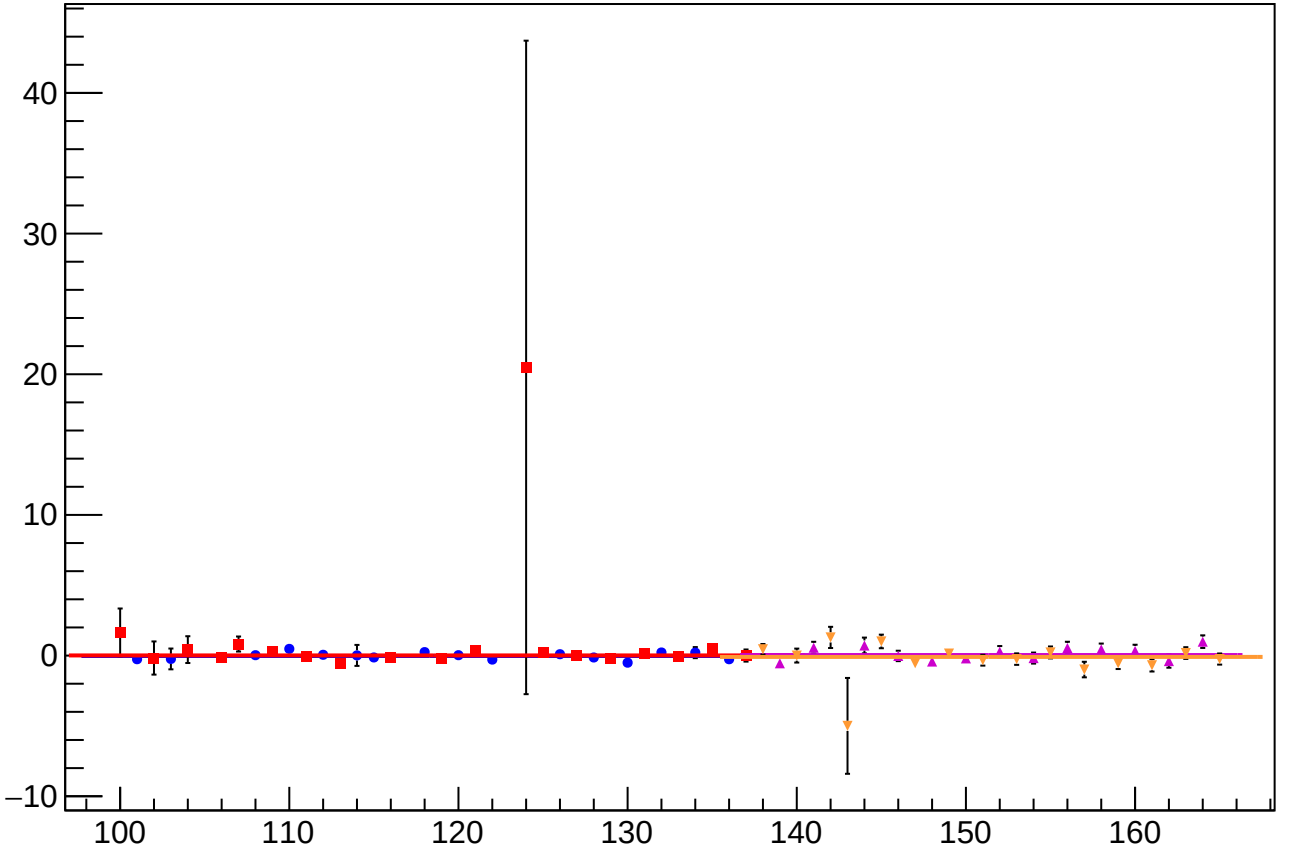
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 189.315+/-0.036 χ^2/NDF:7290500.9/28

Out: 180.255+/-0.036 χ^2/NDF:10741727.8/33

All: 184.735+/-0.025 χ^2/NDF: 18064178.2/62

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.027+/-0.078 χ^2/NDF: 41.9/27

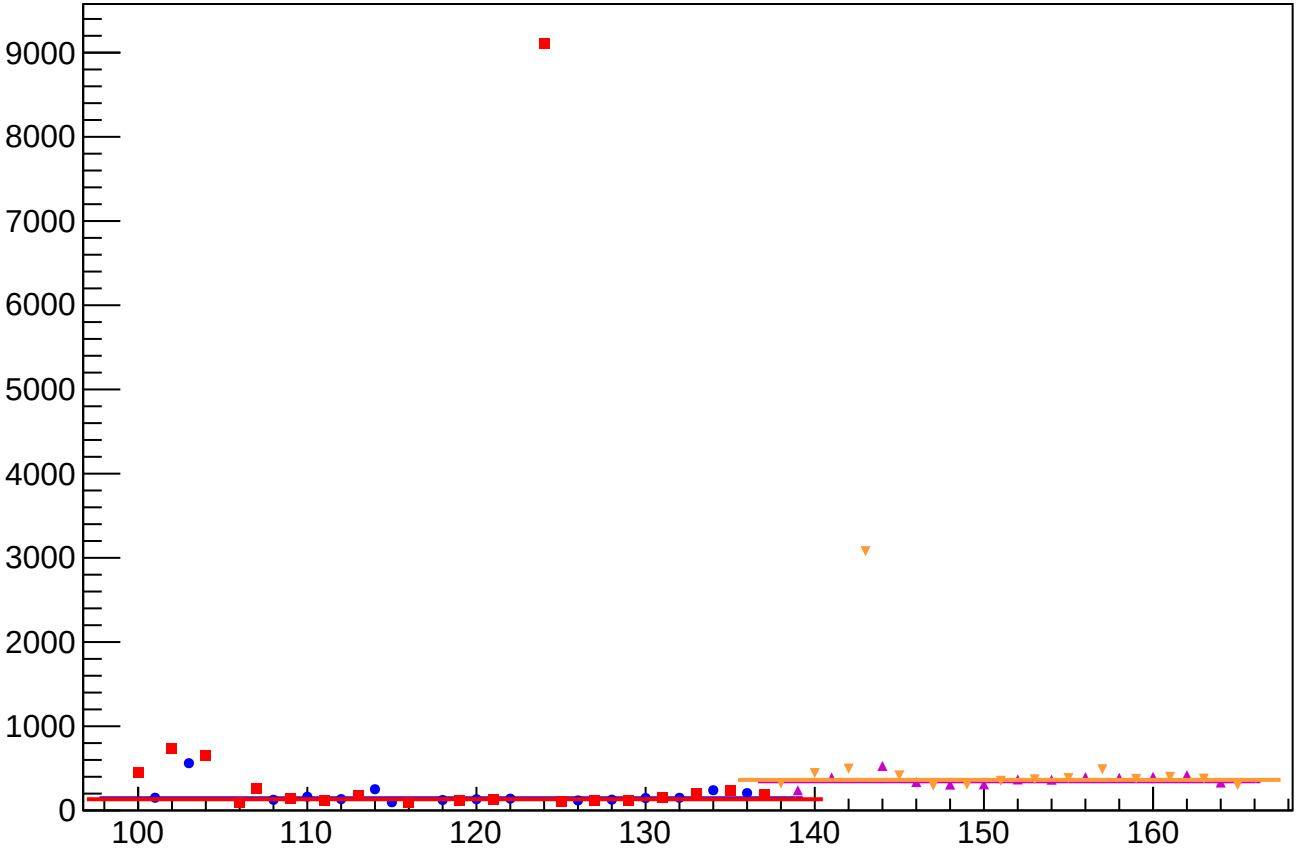
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.012+/-0.036 χ^2/NDF: 81.3/62

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: 363.105+/-0.079 χ^2/NDF:1755342.6/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

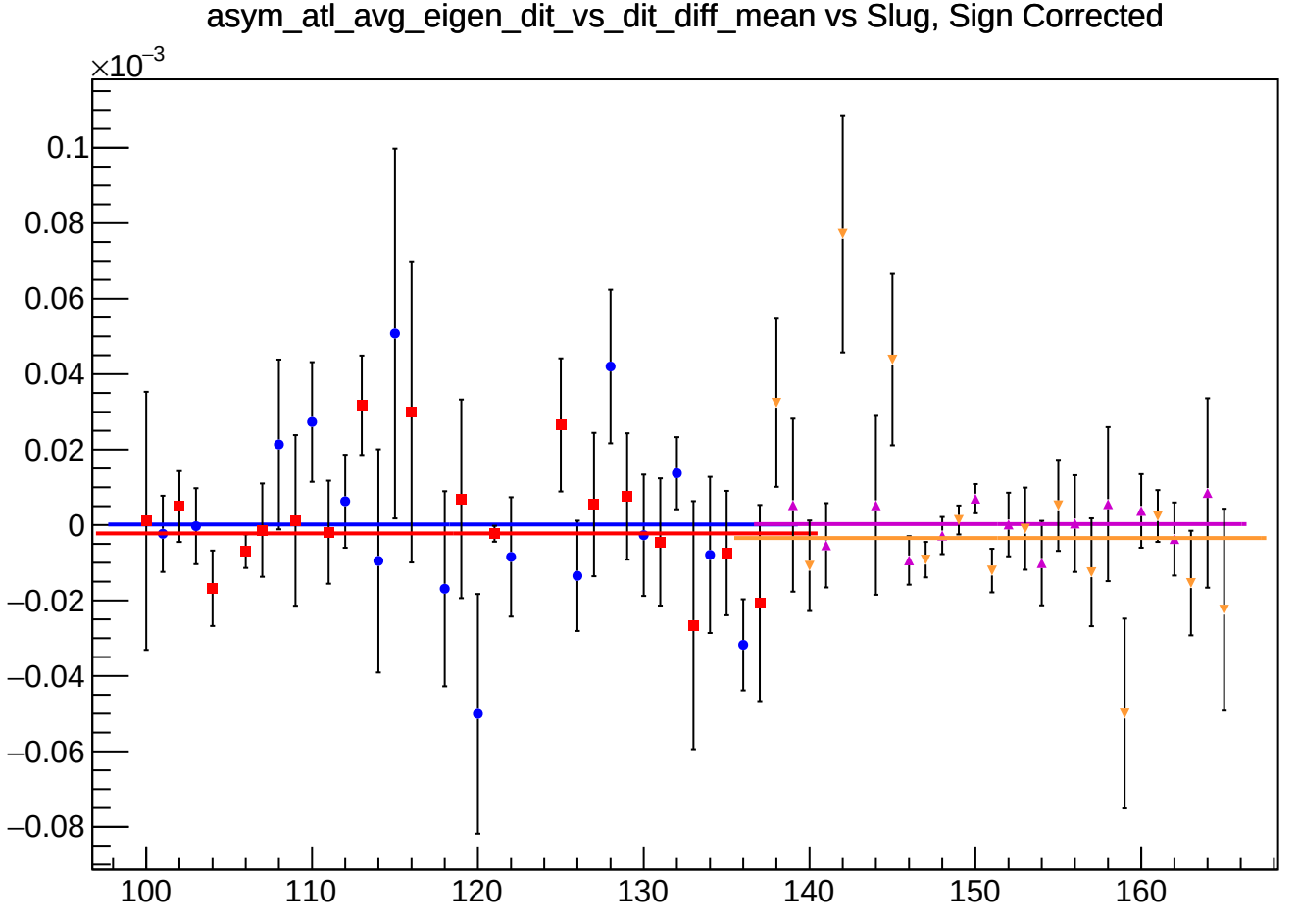
Left: 354.320+/-0.055 χ^2/NDF: 2507031.0/27

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 189.315+/-0.036 χ^2/NDF:7290500.9/28

Out: 180.255+/-0.036 χ^2/NDF:10741727.8/33

All: 184.735+/-0.025 χ^2/NDF: 18064178.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/12

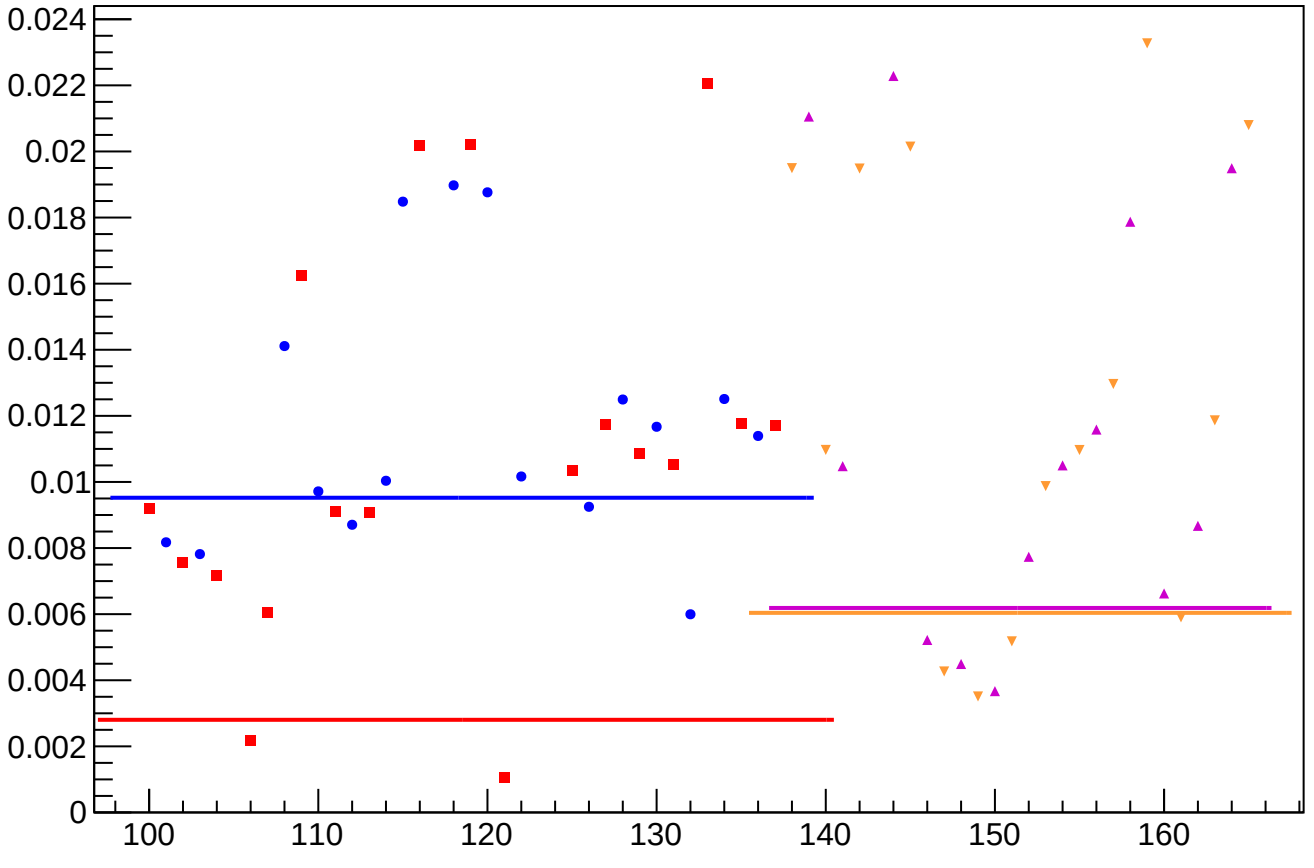
Left: -0.000+/-0.000 χ^2/NDF: 34.2/26

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:30.1/28

Out: -0.000+/-0.000 χ^2/NDF:41.3/31

All: -0.000+/-0.000 χ^2/NDF: 72.9/60



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:6353263.7/13

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5255705.9/12

Left: 0.006+/-0.000 χ^2/NDF: 11613379.6/26

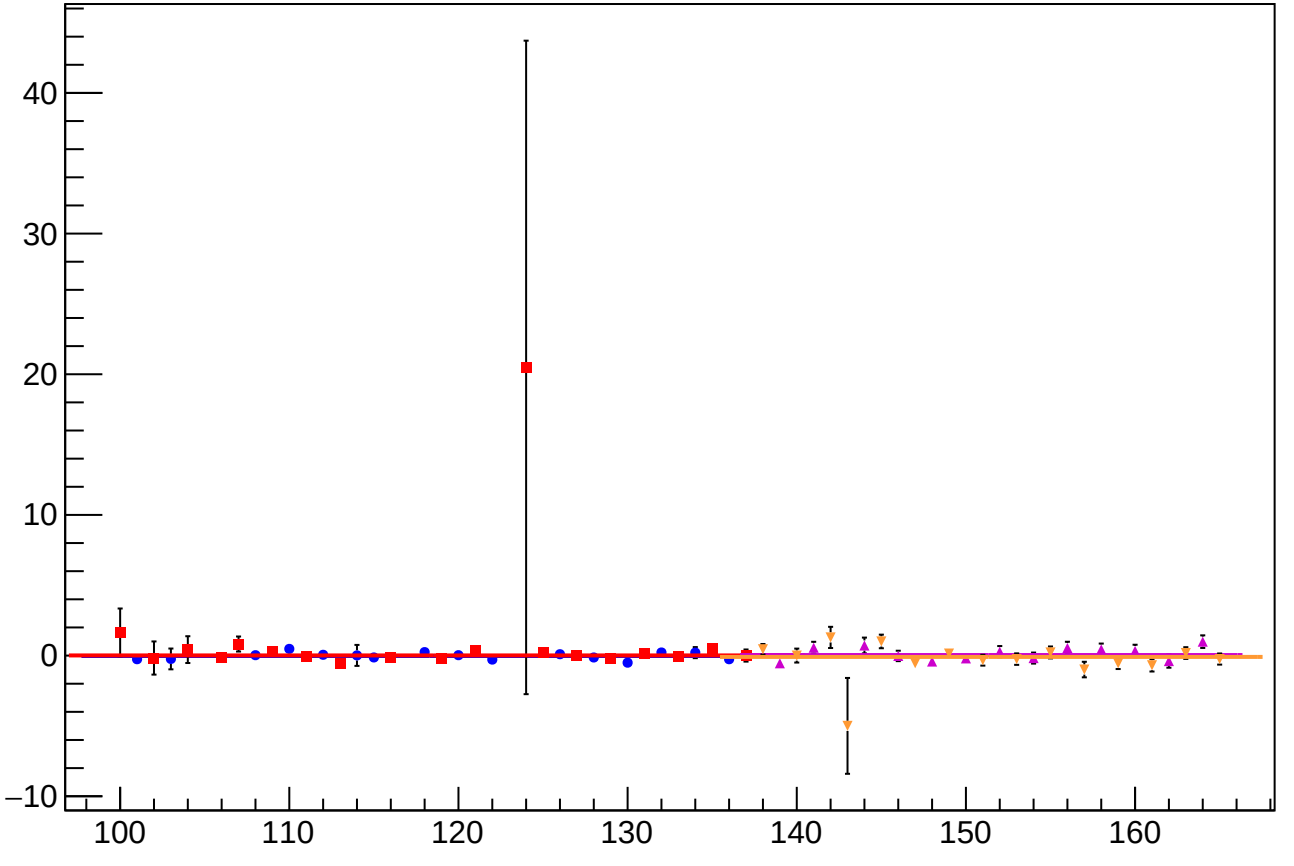
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:7553143.0/28

Out: 0.004+/-0.000 χ^2/NDF:17591807.6/31

All: 0.005+/-0.000 χ^2/NDF: 28487194.6/60

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.027+/-0.078 χ^2/NDF: 41.9/27

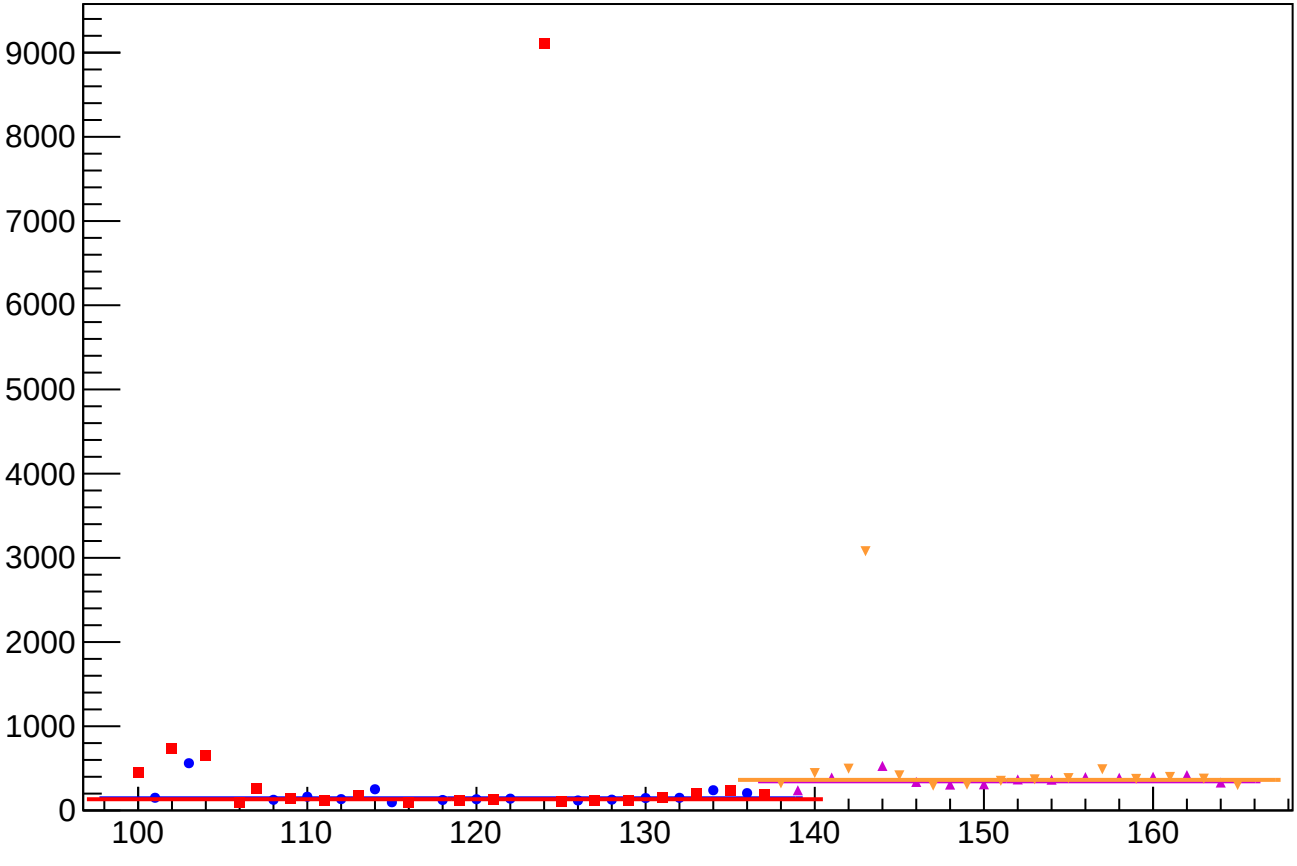
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.012+/-0.036 χ^2/NDF: 81.3/62

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: 363.110+/-0.079 χ^2/NDF:1755365.4/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

Left: 354.325+/-0.055 χ^2/NDF: 2507046.9/27

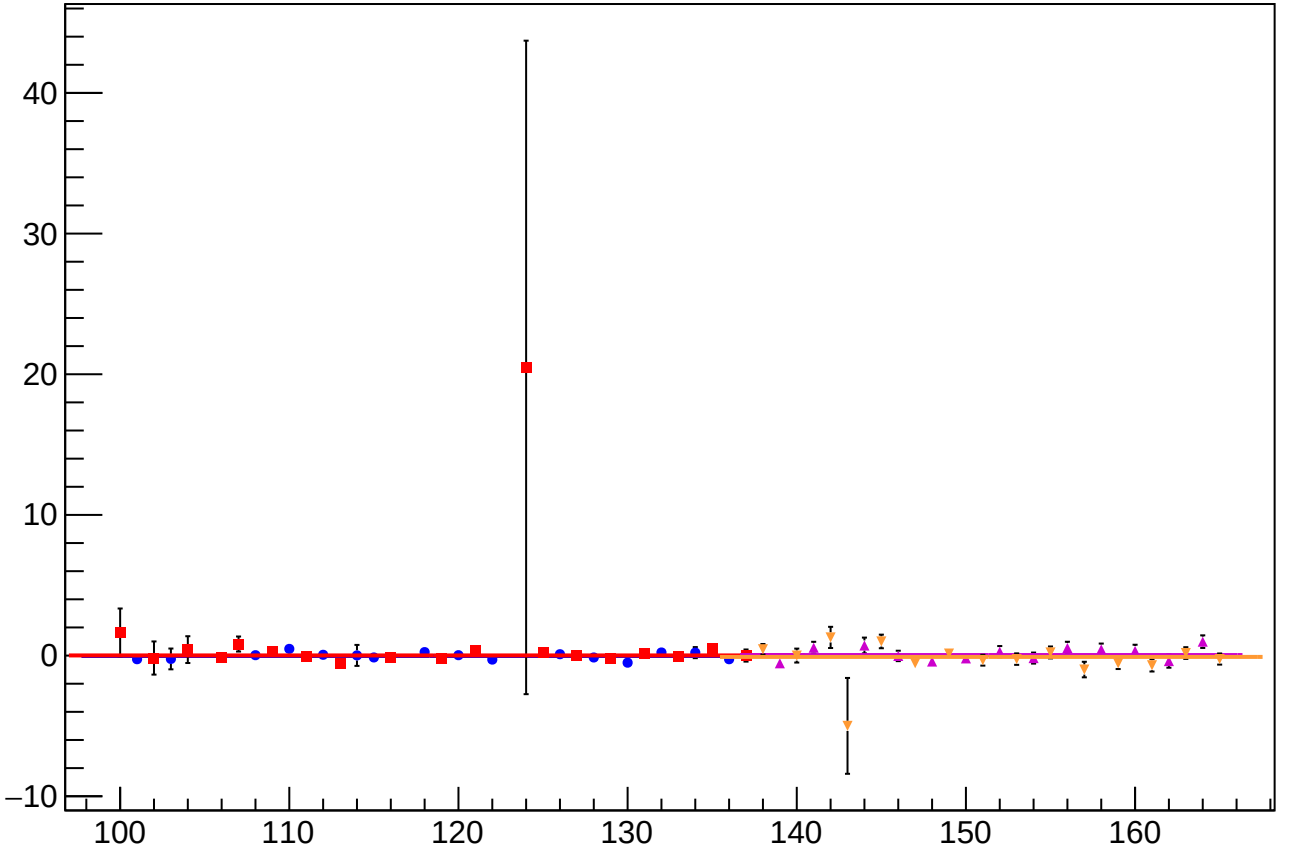
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 189.314+/-0.036 χ^2/NDF:7290782.7/28

Out: 180.254+/-0.036 χ^2/NDF:10741918.2/33

All: 184.733+/-0.025 χ^2/NDF: 18064646.0/62

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: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.027+/-0.078 χ^2/NDF: 41.9/27

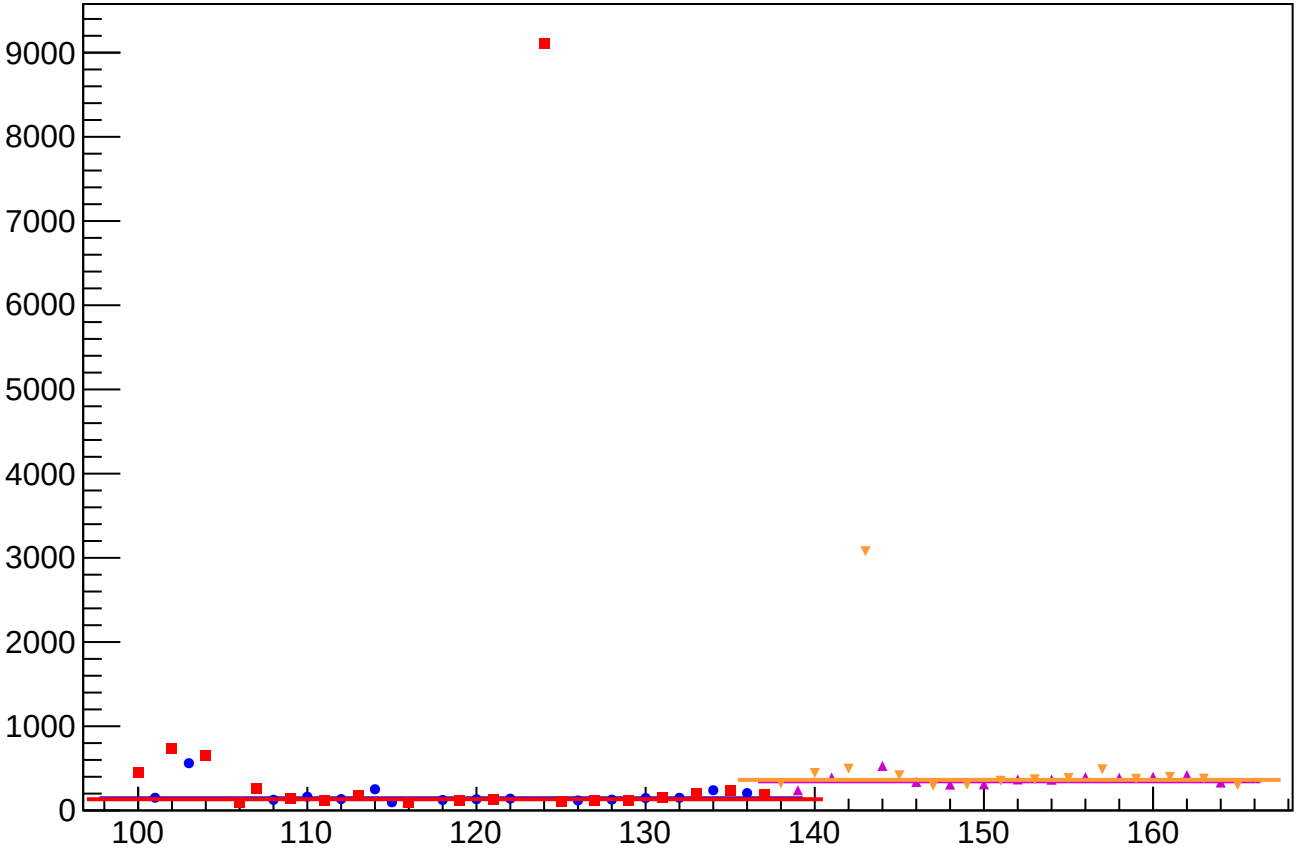
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.012+/-0.036 χ^2/NDF: 81.3/62

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: 363.110+/-0.079 χ^2/NDF:1755365.4/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

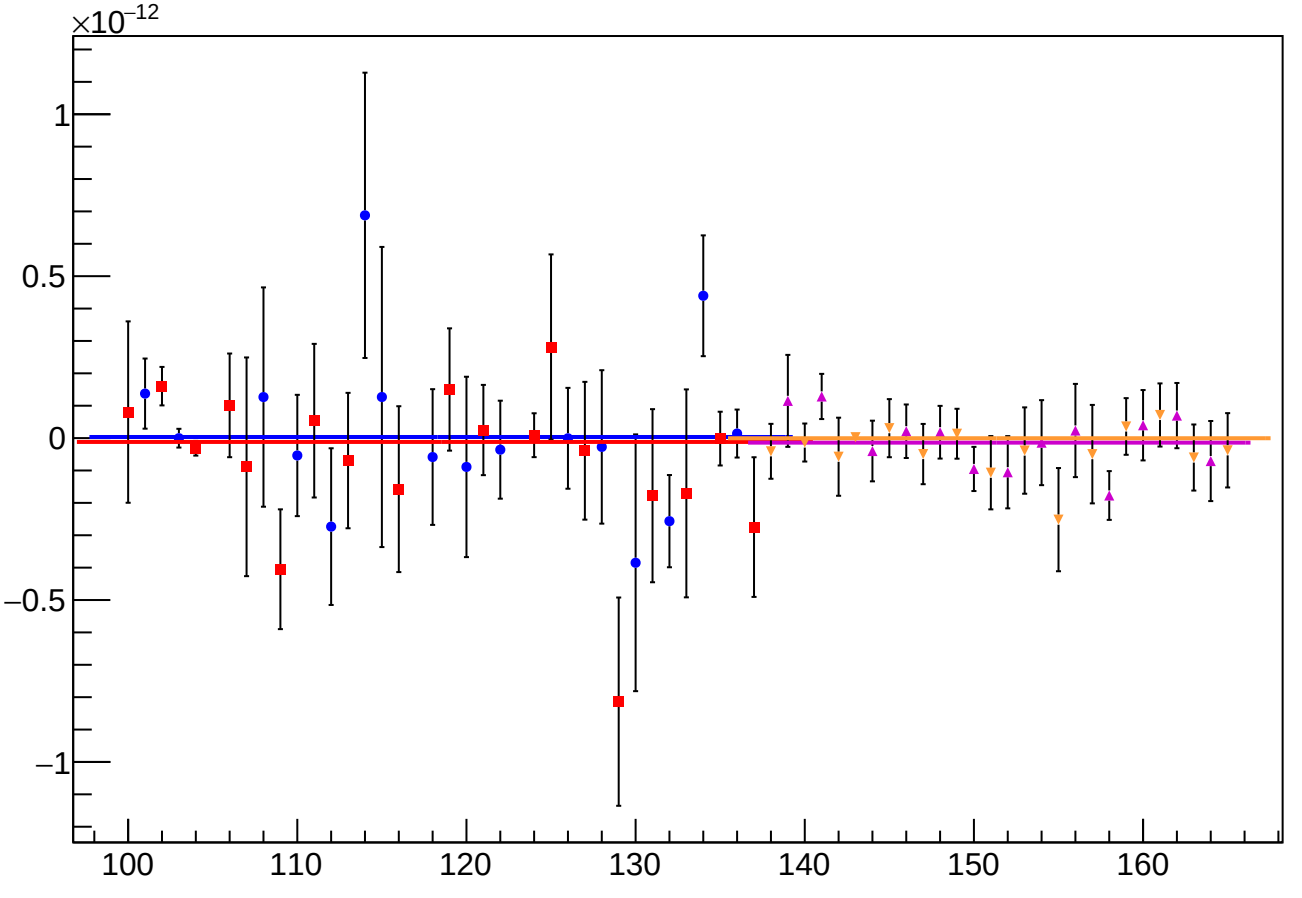
Left: 354.325+/-0.055 χ^2/NDF: 2507046.9/27

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 189.314+/-0.036 χ^2/NDF:7290782.7/28

Out: 180.254+/-0.036 χ^2/NDF:10741918.2/33

All: 184.733+/-0.025 χ^2/NDF: 18064646.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/12

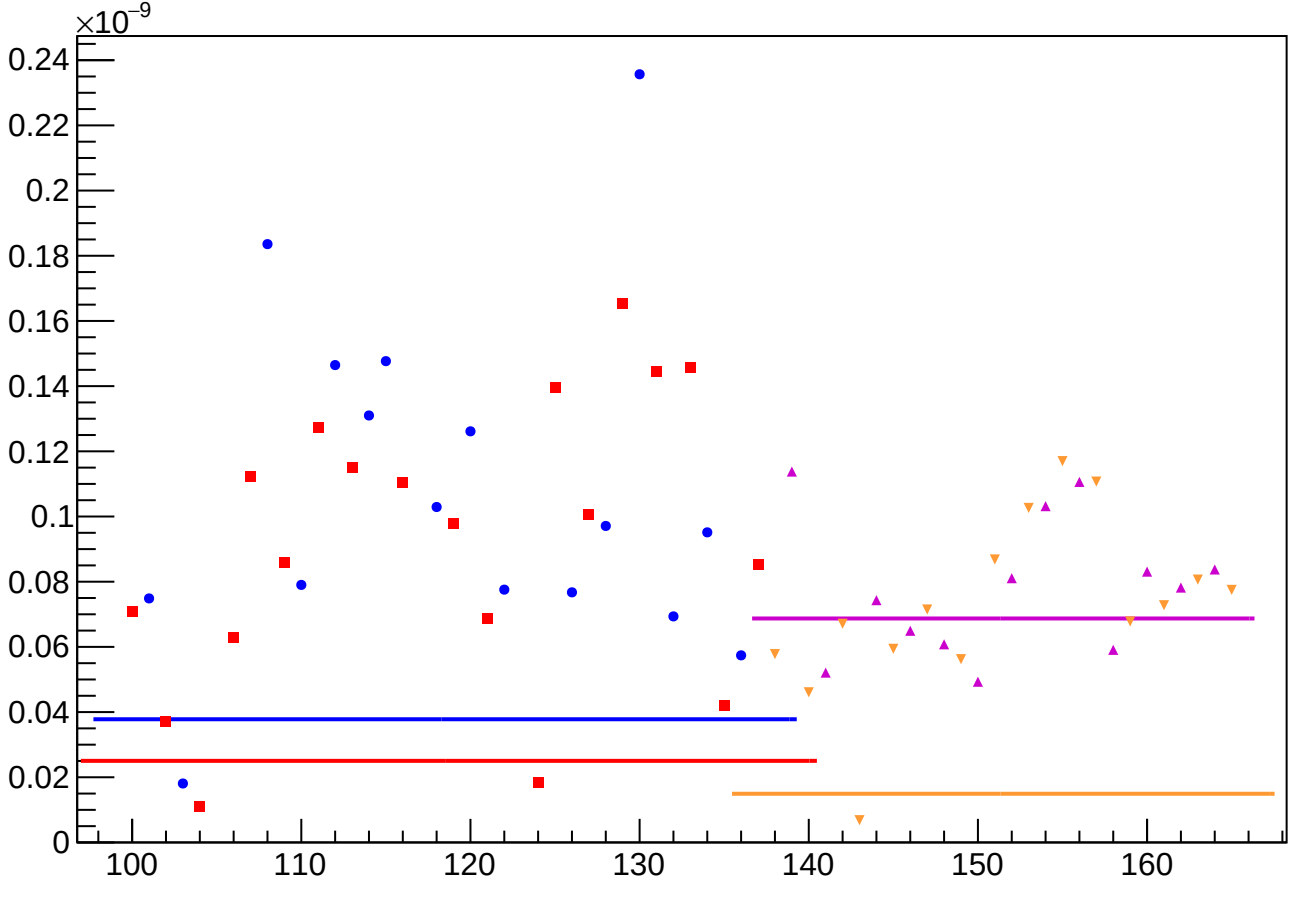
Left: -0.000+/-0.000 χ^2/NDF: 19.4/27

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.3/28

Out: -0.000+/-0.000 χ^2/NDF:31.2/33

All: -0.000+/-0.000 χ^2/NDF: 60.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10700793.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:953861.9/12

Left: 0.000+/-0.000 χ^2/NDF: 19294792.1/27

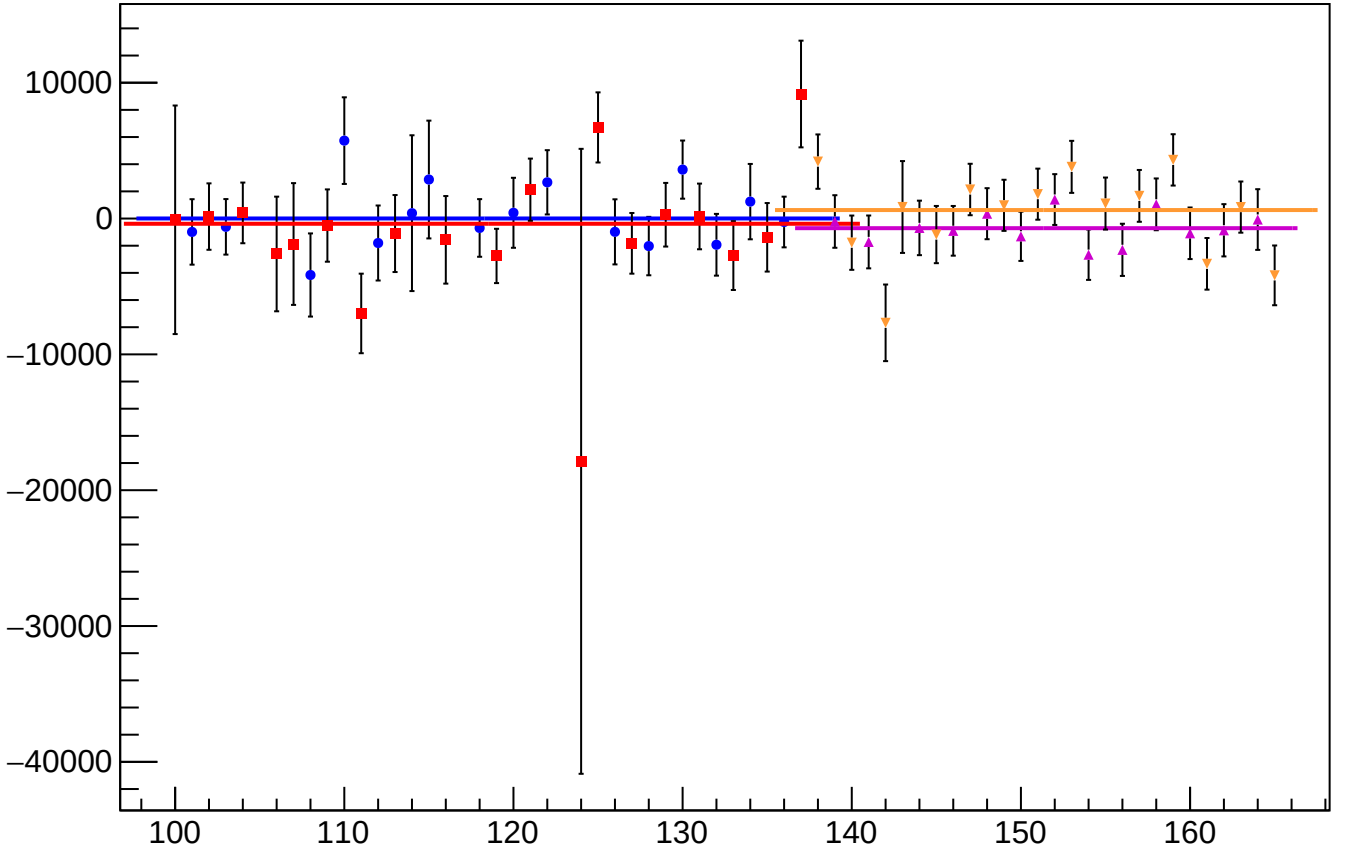
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:6435661.1/28

Out: 0.000+/-0.000 χ^2/NDF:15875747.3/33

All: 0.000+/-0.000 χ^2/NDF: 28811506.9/62

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.578+/-523.540 χ^2/NDF:31.2/14

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -709.751+/-531.742 χ^2/NDF:4.8/12

Left: -32.217+/-373.065 χ^2/NDF: 39.2/27

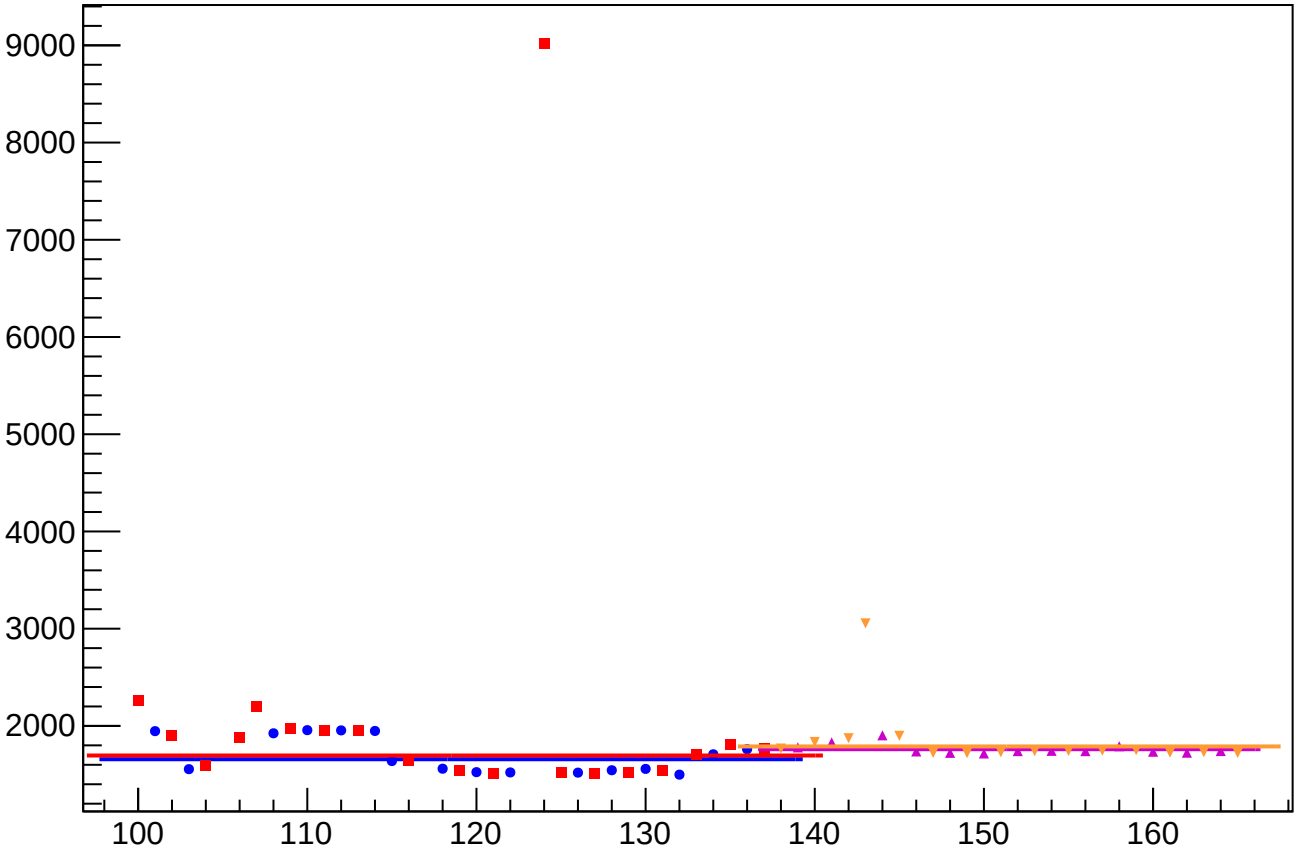
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -407.040+/-403.601 χ^2/NDF:18.0/28

Out: 215.114+/-403.609 χ^2/NDF:56.7/33

All: -95.969+/-285.392 χ^2/NDF: 75.9/62

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

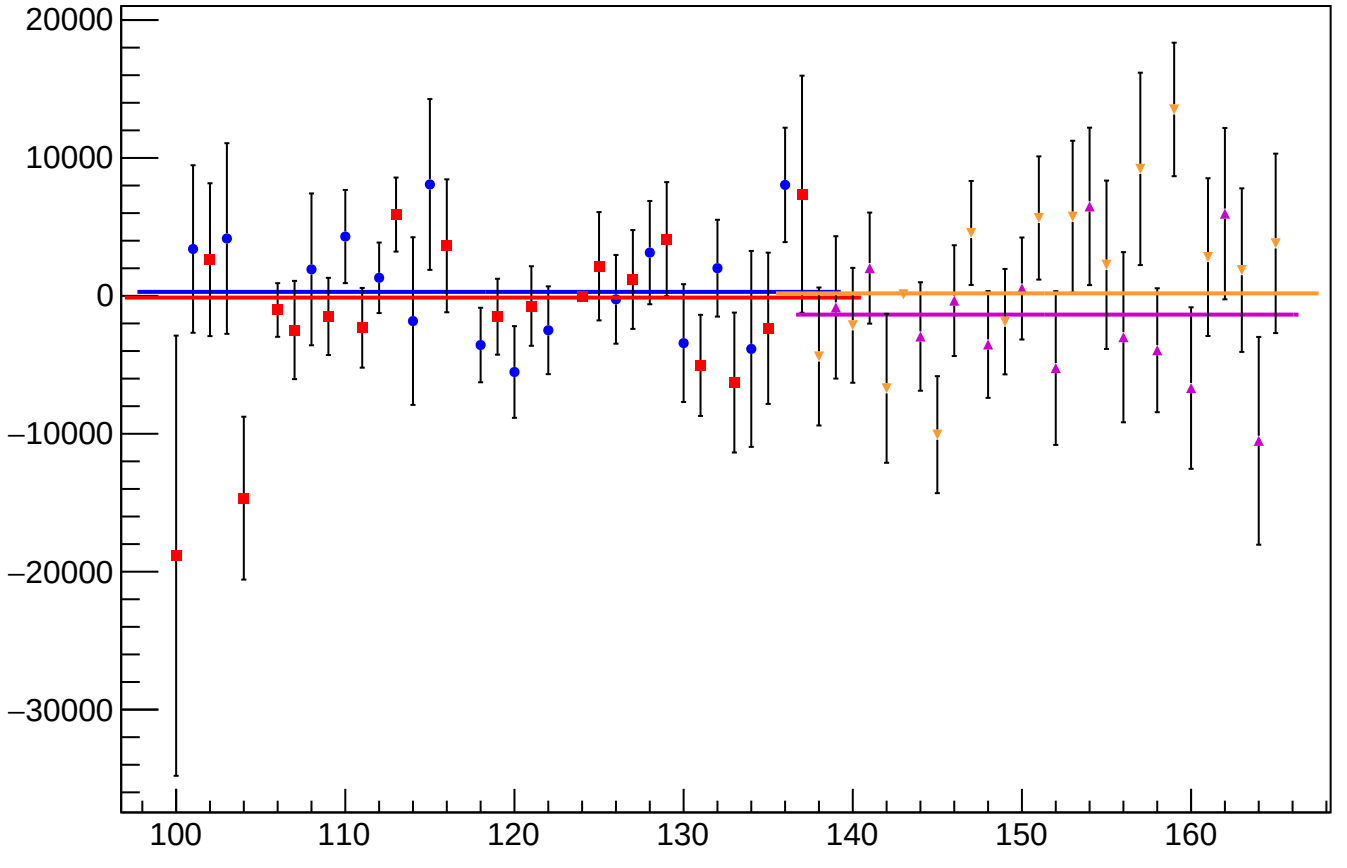
Left: 1774.921+/-0.264 χ^2/NDF: 326721.9/27

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1716.683+/-0.285 χ^2/NDF:193513.0/28

Out: 1750.858+/-0.285 χ^2/NDF:718442.7/33

All: 1733.802+/-0.202 χ^2/NDF: 919138.7/62



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 180.593+/-350.840 χ^2/NDF:22.8/14

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1358.912+/-1316.429 χ^2/NDF:8.0/12

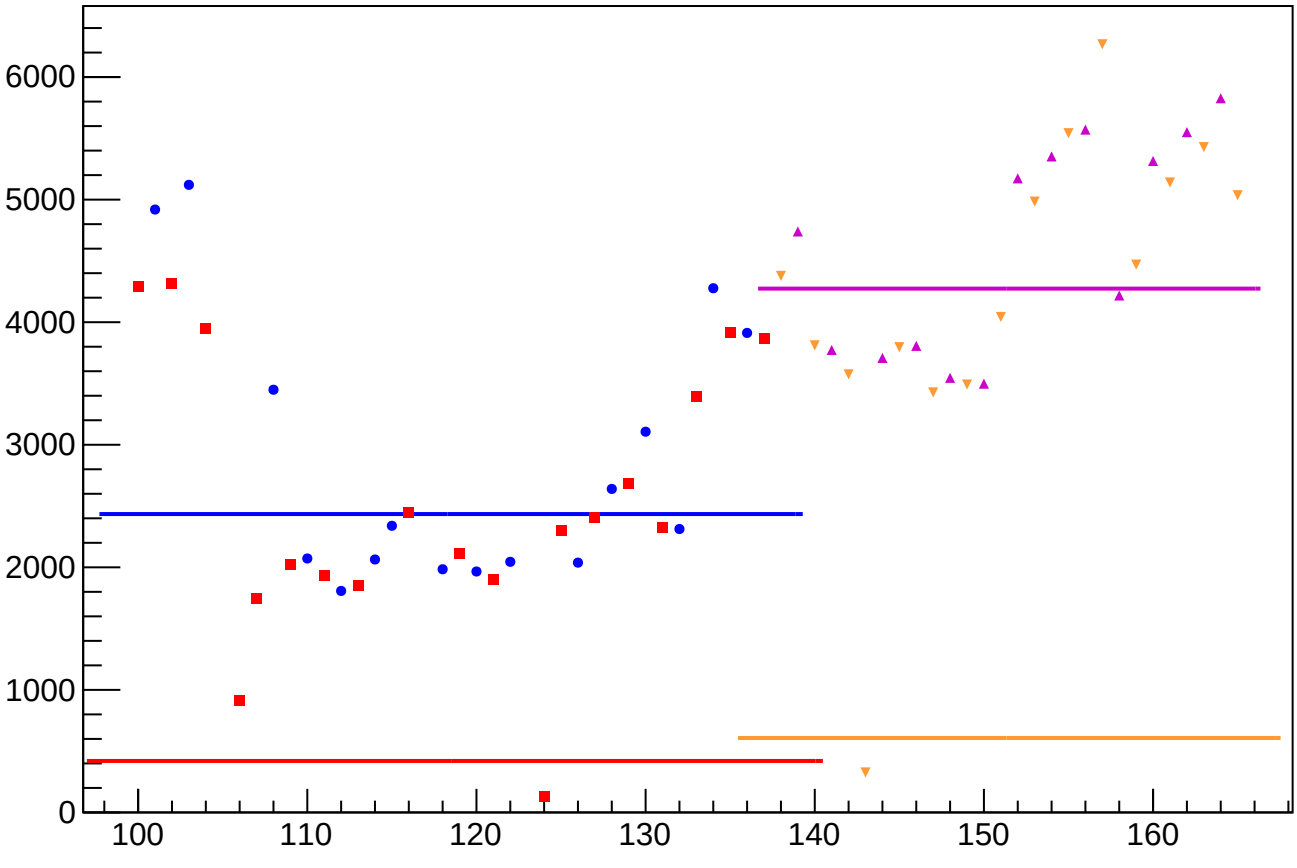
Left: 78.498+/-339.007 χ^2/NDF: 32.0/27

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -283.772+/-776.223 χ^2/NDF:24.2/28

Out: 15.211+/-237.913 χ^2/NDF:44.0/33

All: -10.464+/-227.468 χ^2/NDF: 68.4/62



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 607.706+/-0.248 χ^2/NDF:17347204.2/14

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4274.085+/-0.931 χ^2/NDF:719247.8/12

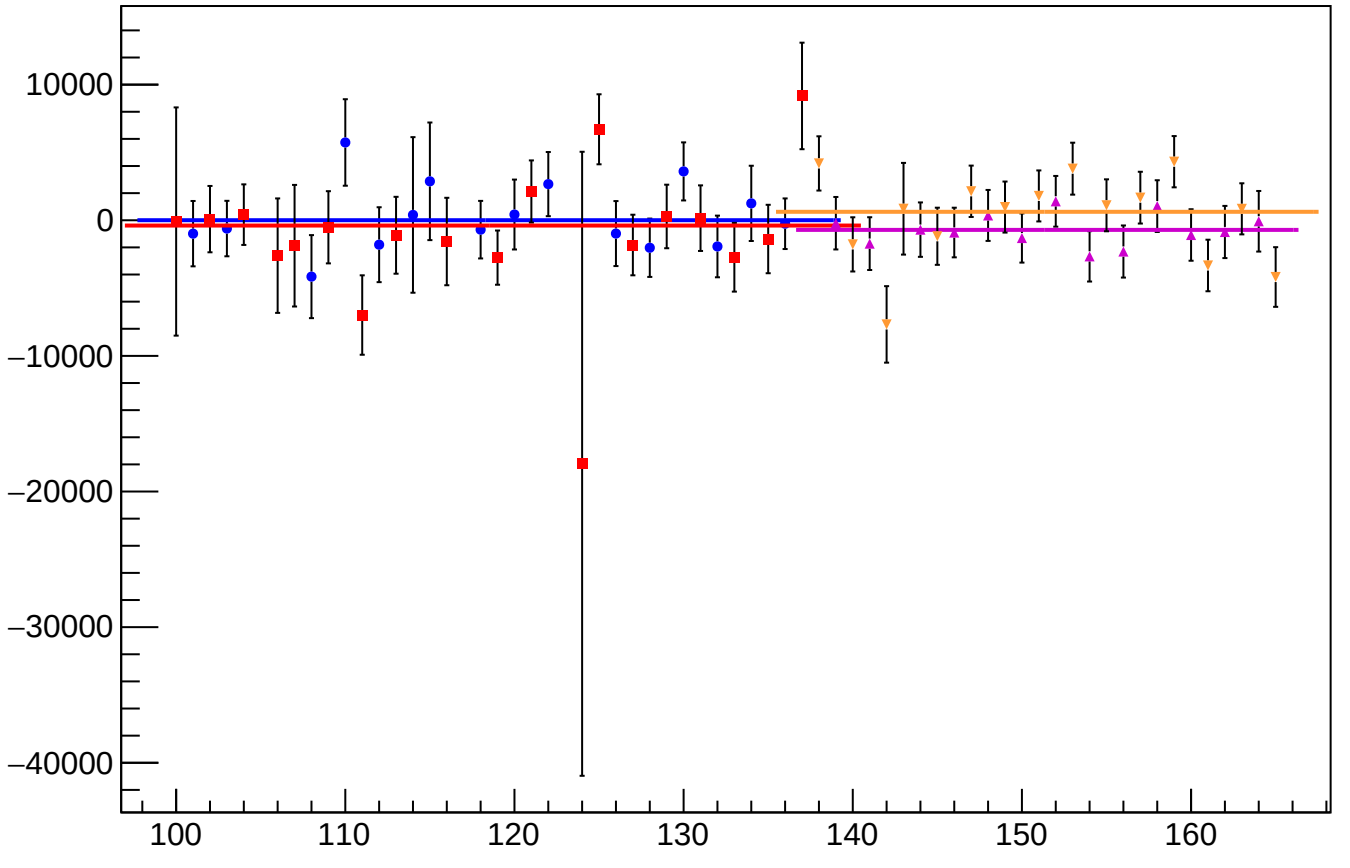
Left: 850.848+/-0.240 χ^2/NDF: 32551138.1/27

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3074.144+/-0.549 χ^2/NDF:4724341.0/28

Out: 506.475+/-0.168 χ^2/NDF:28719446.2/33

All: 726.975+/-0.161 χ^2/NDF: 53448893.6/62



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.470+/-523.540 χ^2/NDF:31.2/14

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -709.762+/-531.742 χ^2/NDF:4.8/12

Left: -32.277+/-373.065 χ^2/NDF: 39.2/27

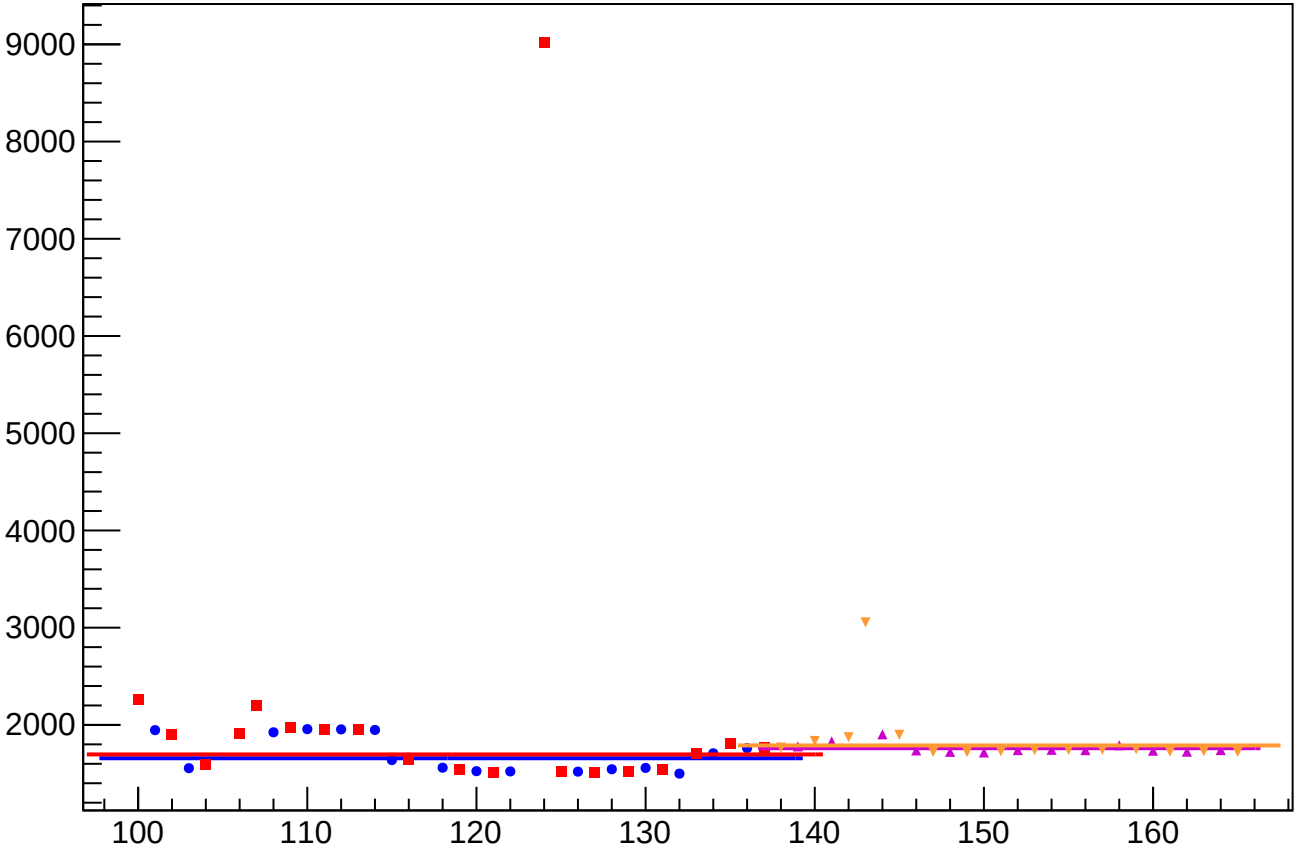
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -407.079+/-403.601 χ^2/NDF:18.0/28

Out: 213.312+/-403.611 χ^2/NDF:56.7/33

All: -96.891+/-285.393 χ^2/NDF: 75.9/62

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

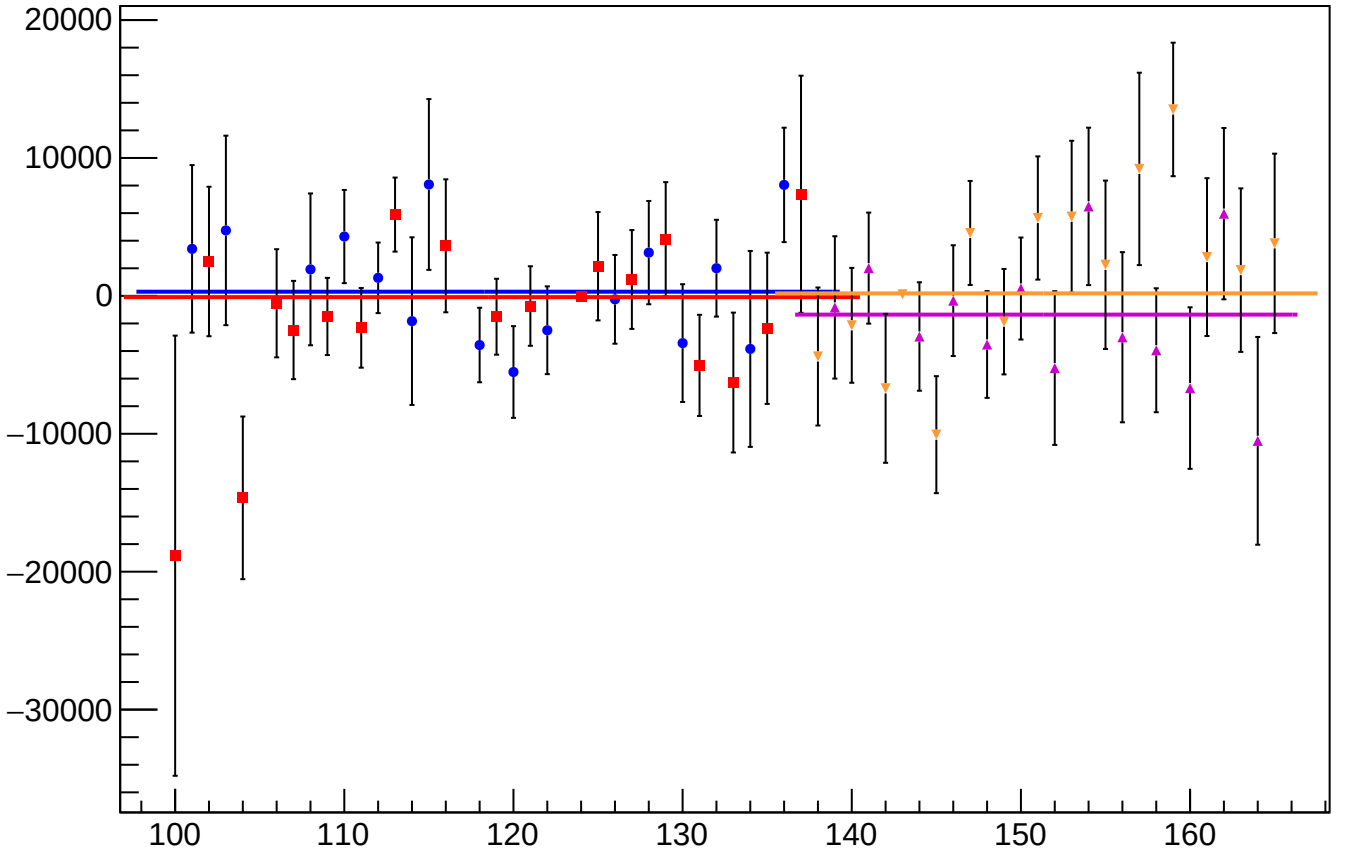
Left: 1774.921+/-0.264 χ^2/NDF: 326721.9/27

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.683+/-0.285 χ^2/NDF:193513.1/28

Out: 1751.203+/-0.285 χ^2/NDF:719747.8/33

All: 1733.972+/-0.202 χ^2/NDF: 920588.4/62



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 181.022+/-350.814 χ^2/NDF:22.8/14

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1358.939+/-1316.428 χ^2/NDF:8.0/12

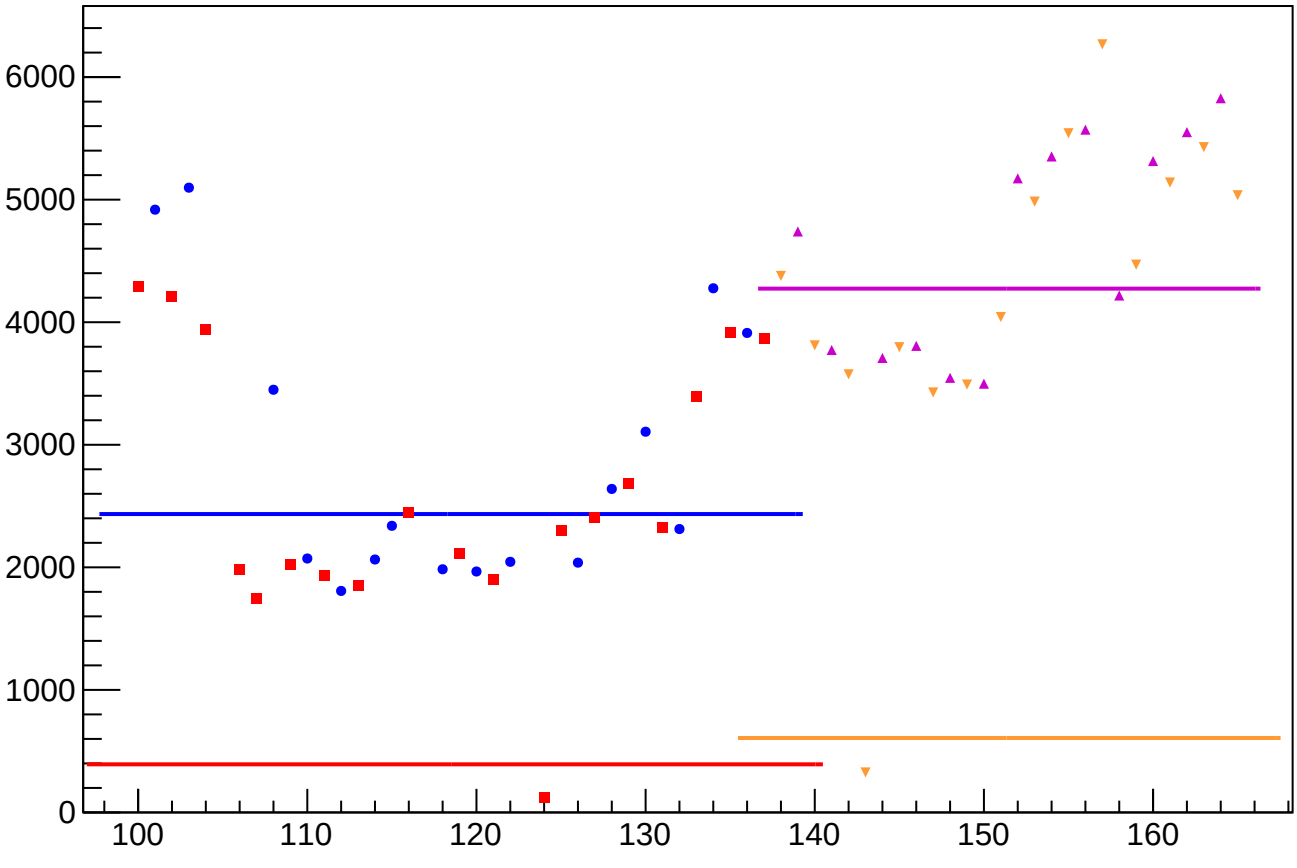
Left: 78.910+/-338.984 χ^2/NDF: 32.0/27

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -275.485+/-776.160 χ^2/NDF:24.3/28

Out: 30.057+/-234.692 χ^2/NDF:43.7/33

All: 4.461+/-224.647 χ^2/NDF: 68.2/62



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 607.638+/-0.248 χ^2/NDF:17347623.9/14

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

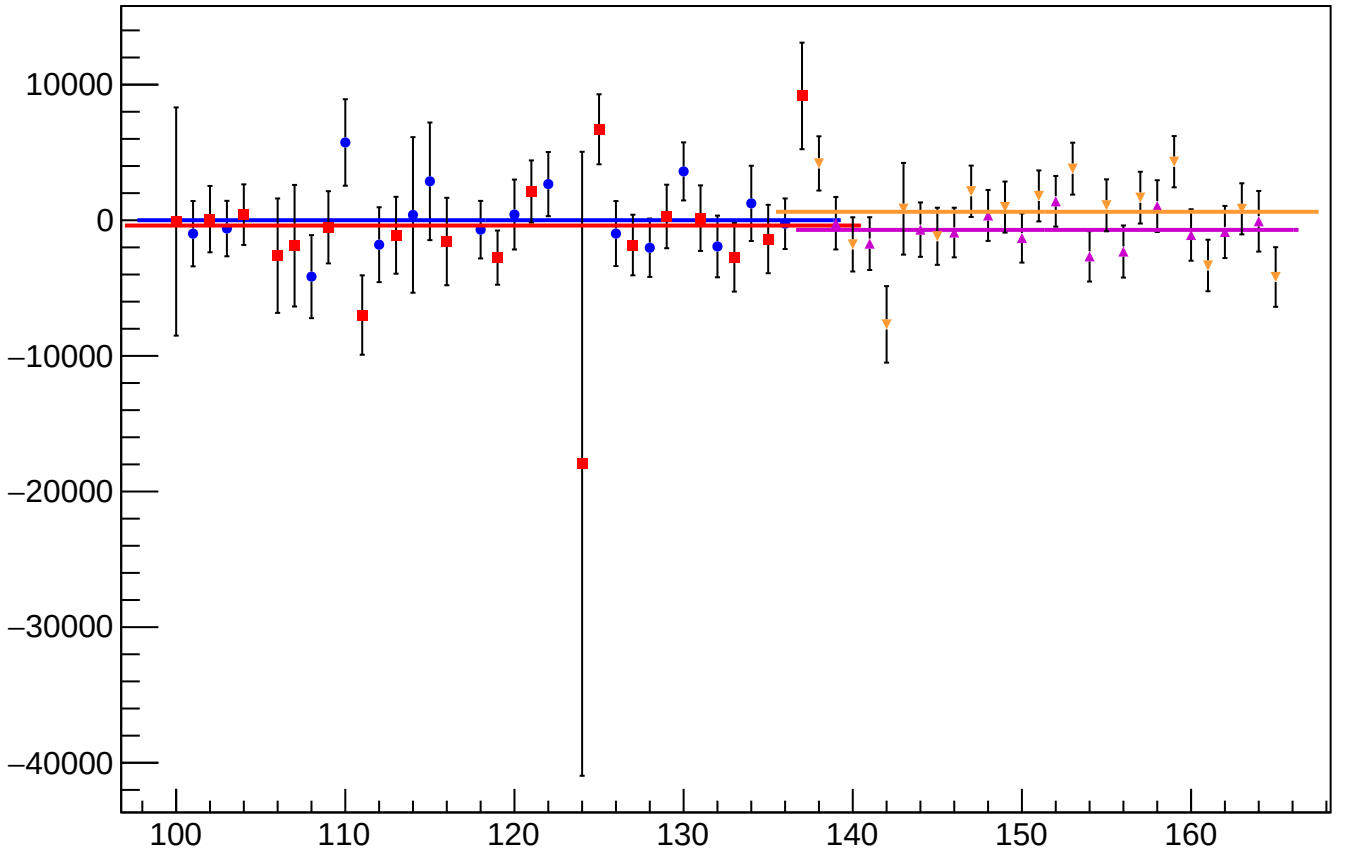
Left: 850.751+/-0.240 χ^2/NDF: 32552228.2/27

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3074.149+/-0.549 χ^2/NDF:4722393.7/28

Out: 488.877+/-0.166 χ^2/NDF:29170521.3/33

All: 705.451+/-0.159 χ^2/NDF: 54223201.4/62



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.470+/-523.540 χ^2/NDF:31.2/14

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -709.762+/-531.742 χ^2/NDF:4.8/12

Left: -32.277+/-373.065 χ^2/NDF: 39.2/27

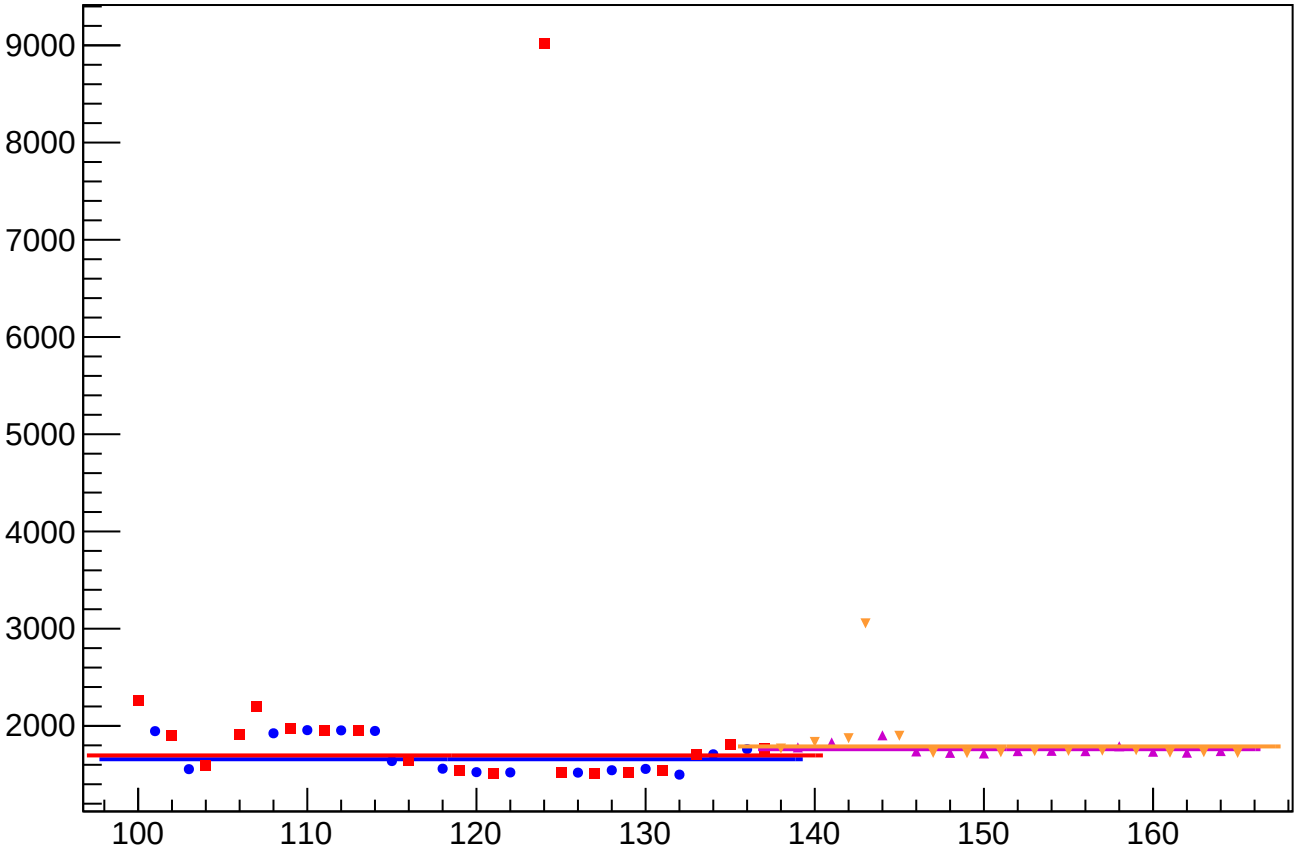
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -407.079+/-403.601 χ^2/NDF:18.0/28

Out: 213.312+/-403.611 χ^2/NDF:56.7/33

All: -96.891+/-285.393 χ^2/NDF: 75.9/62

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

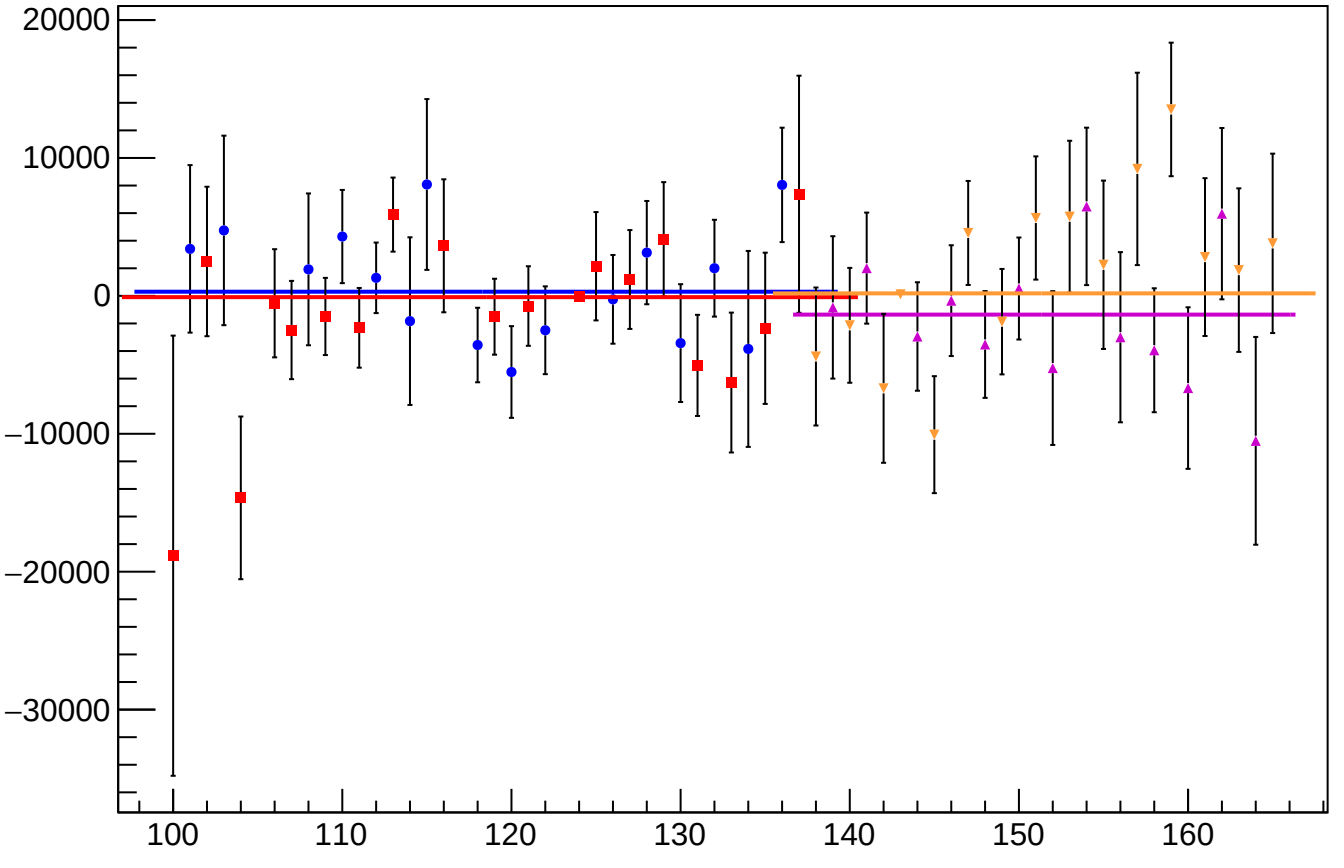
Left: 1774.921+/-0.264 χ^2/NDF: 326721.9/27

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.683+/-0.285 χ^2/NDF:193513.1/28

Out: 1751.203+/-0.285 χ^2/NDF:719747.8/33

All: 1733.972+/-0.202 χ^2/NDF: 920588.4/62



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 181.022+/-350.814 χ^2/NDF:22.8/14

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1358.939+/-1316.428 χ^2/NDF:8.0/12

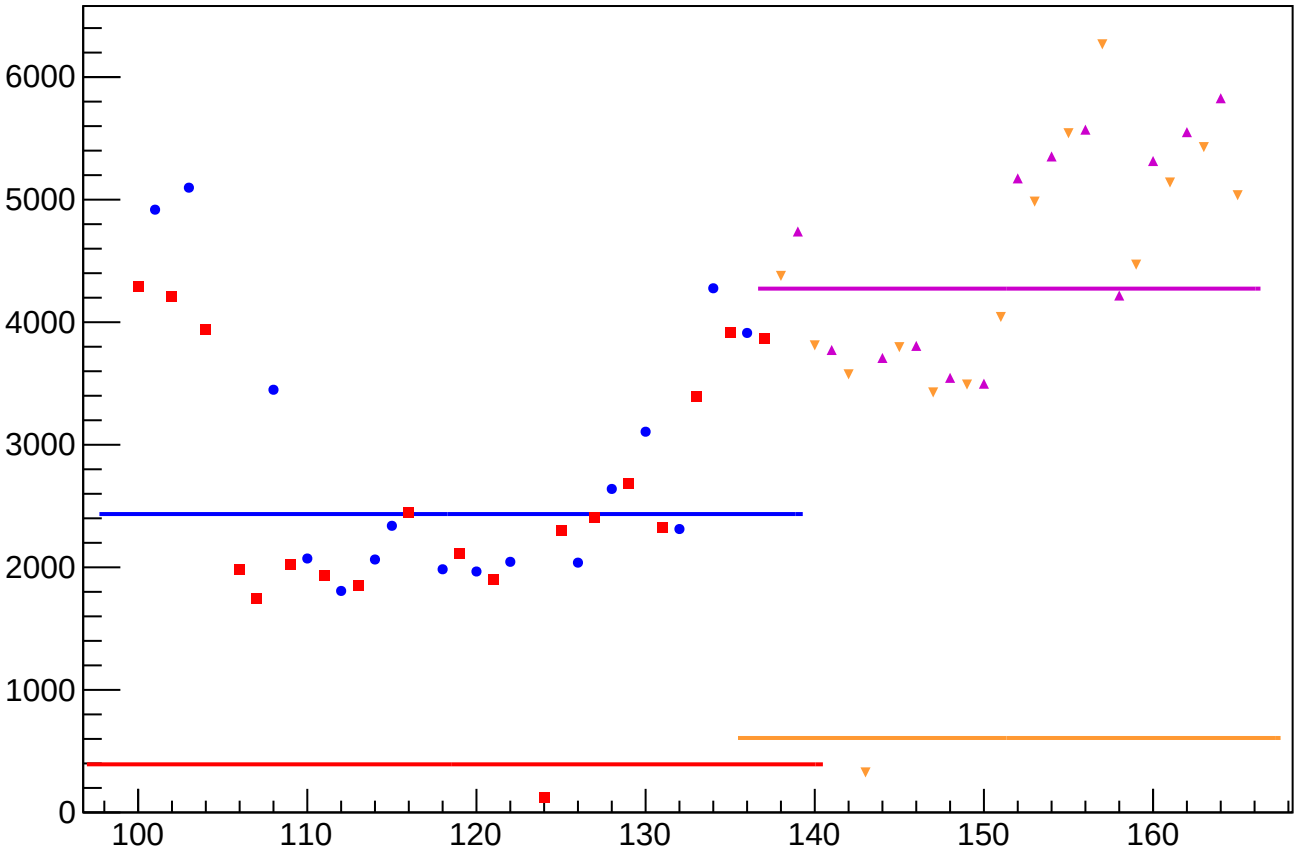
Left: 78.910+/-338.984 χ^2/NDF: 32.0/27

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -275.485+/-776.160 χ^2/NDF:24.3/28

Out: 30.057+/-234.692 χ^2/NDF:43.7/33

All: 4.461+/-224.647 χ^2/NDF: 68.2/62



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 607.638+/-0.248 χ^2/NDF:17347623.9/14

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

Left: 850.751+/-0.240 χ^2/NDF: 32552228.2/27

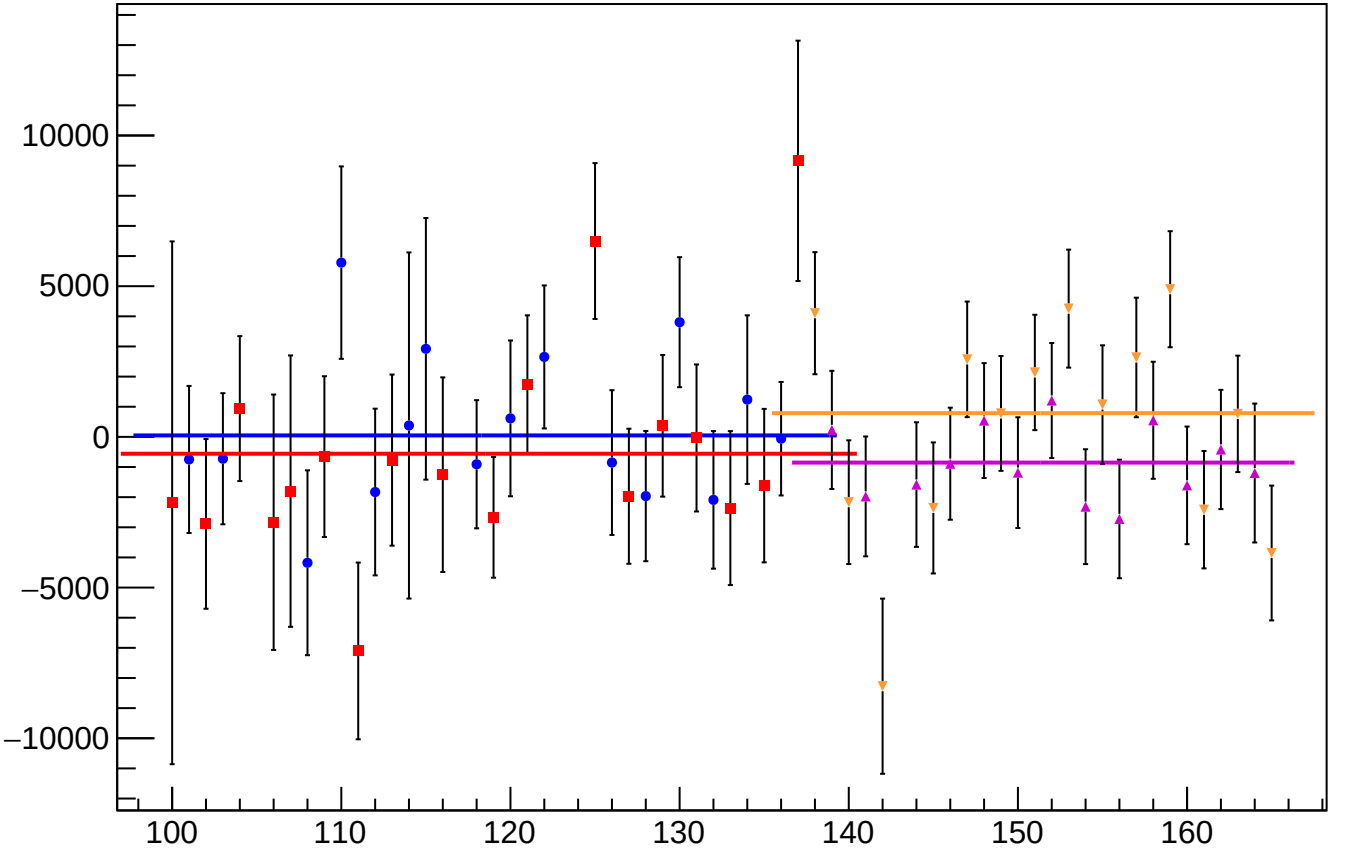
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3074.149+/-0.549 χ^2/NDF:4722393.7/28

Out: 488.877+/-0.166 χ^2/NDF:29170521.3/33

All: 705.451+/-0.159 χ^2/NDF: 54223201.4/62

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 787.201+/-541.814 χ^2/NDF:33.5/13

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -852.692+/-543.303 χ^2/NDF:4.7/12

Left: -30.496+/-383.646 χ^2/NDF: 42.8/26

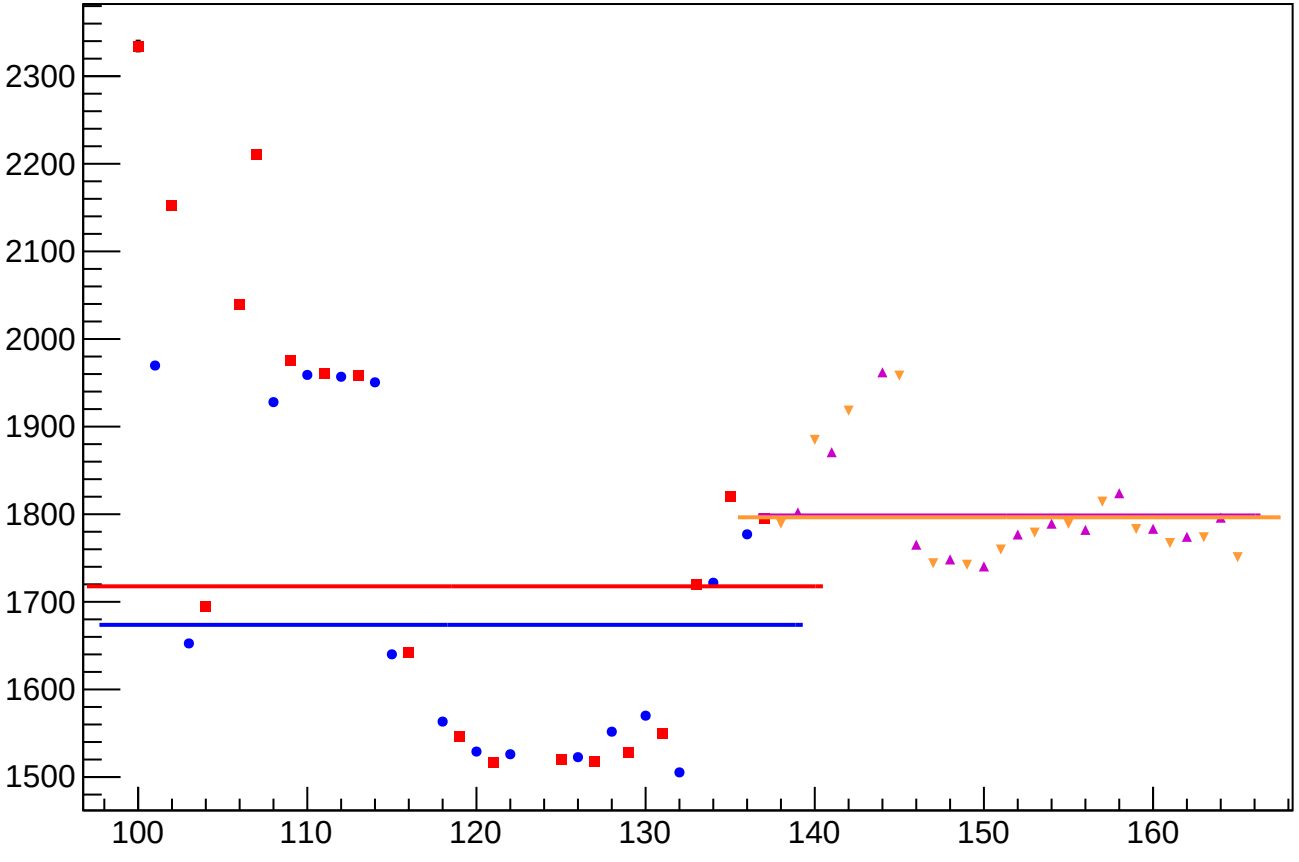
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -465.693+/-410.361 χ^2/NDF:18.7/28

Out: 230.313+/-414.943 χ^2/NDF:59.4/31

All: -121.554+/-291.775 χ^2/NDF: 79.5/60

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1796.498+/-0.383 χ^2/NDF:24179.5/13

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1798.585+/-0.384 χ^2/NDF:20382.6/12

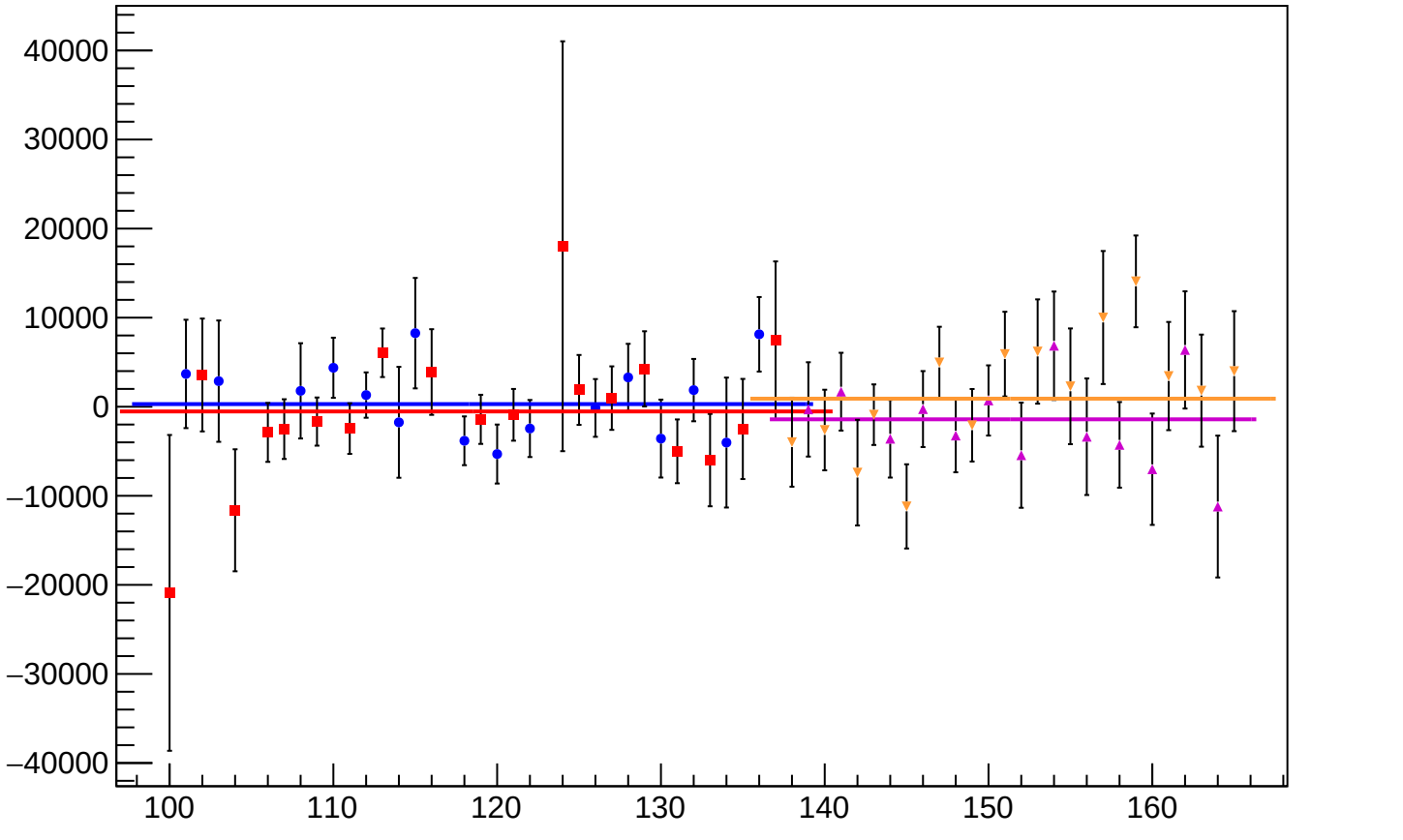
Left: 1797.538+/-0.271 χ^2/NDF: 44577.0/26

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

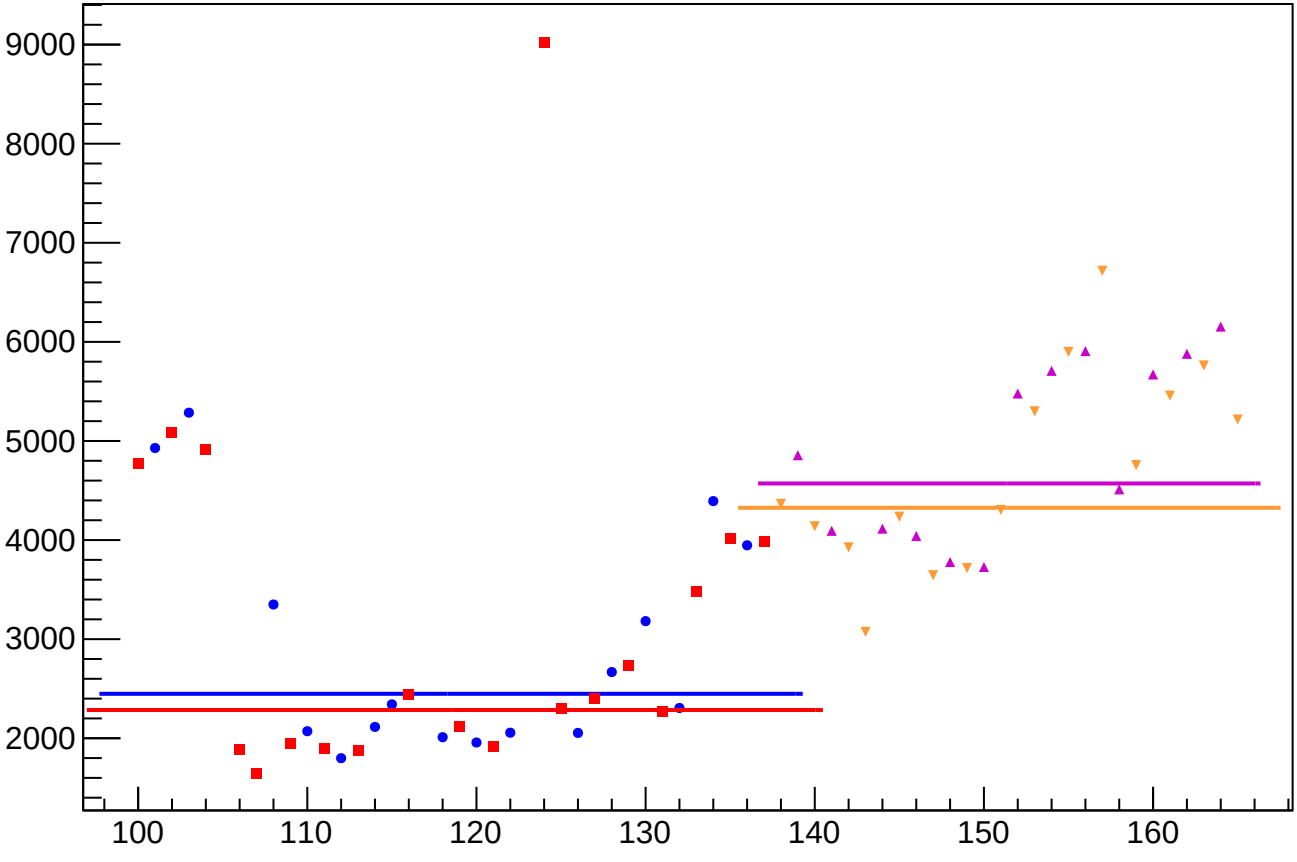
In: 1744.958+/-0.290 χ^2/NDF:206622.9/28

Out: 1763.833+/-0.293 χ^2/NDF:269354.4/31

All: 1754.299+/-0.206 χ^2/NDF: 478071.4/60


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
Right In: 296.517+/-964.677 χ²/NDF: 15.3/15
Left Out: 904.410+/-1292.878 χ²/NDF:22.3/14
Right Out: -531.007+/-883.969 χ²/NDF: 18.8/18
Left In: -1413.547+/-1406.536 χ²/NDF:7.8/12
Left: -157.145+/-951.852 χ²/NDF: 31.6/27
Right: -153.305+/-651.728 χ²/NDF: 34.4/34
In: -250.551+/-795.546 χ²/NDF:24.1/28
Out: -73.744+/-729.712 χ²/NDF:41.9/33
All: -154.530+/-537.755 χ²/NDF: 66.0/62

asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4325.861+/-0.914 χ^2/NDF:986984.9/14

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4571.049+/-0.995 χ^2/NDF:668660.0/12

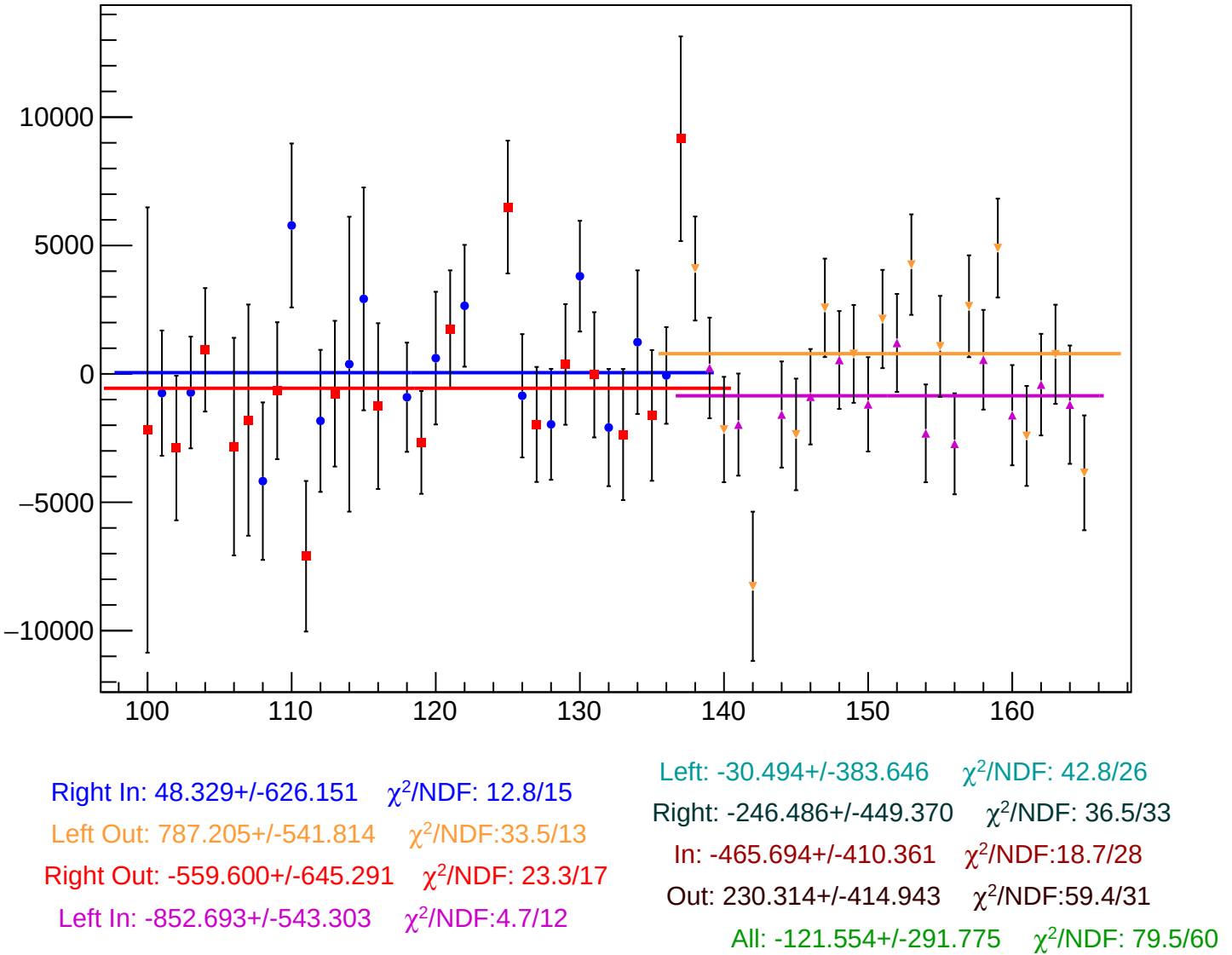
Left: 4438.150+/-0.673 χ^2/NDF: 1688586.8/27

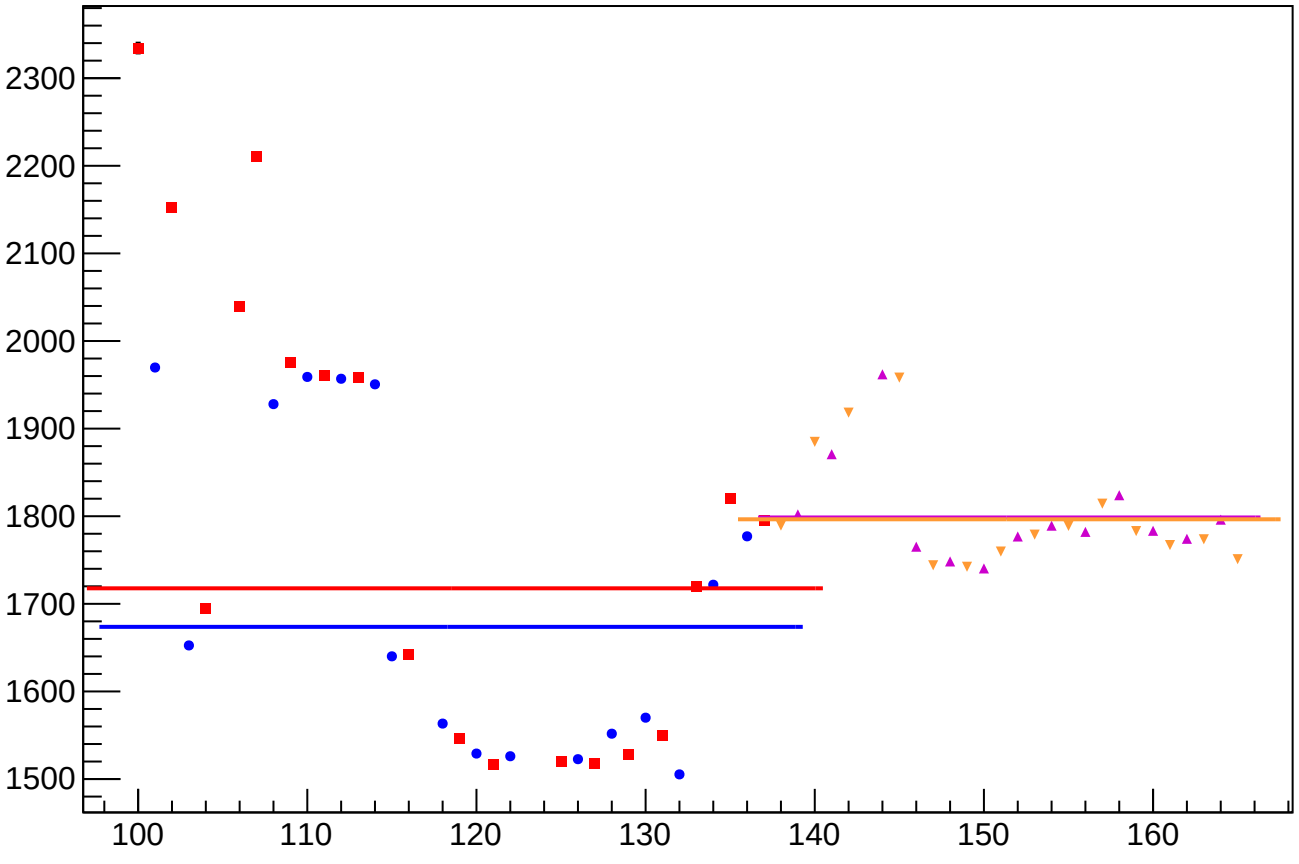
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3127.592+/-0.563 χ^2/NDF:5283447.7/28

Out: 2935.182+/-0.516 χ^2/NDF:5931579.7/33

All: 3023.098+/-0.380 χ^2/NDF: 11278563.4/6


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 787.205+/-541.814 χ²/NDF:33.5/13
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -852.693+/-543.303 χ²/NDF:4.7/12
Left: -30.494+/-383.646 χ²/NDF: 42.8/26
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -465.694+/-410.361 χ²/NDF:18.7/28
Out: 230.314+/-414.943 χ²/NDF:59.4/31
All: -121.554+/-291.775 χ²/NDF: 79.5/60



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1796.499+/-0.383 χ^2/NDF:24180.0/13

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1798.586+/-0.384 χ^2/NDF:20382.8/12

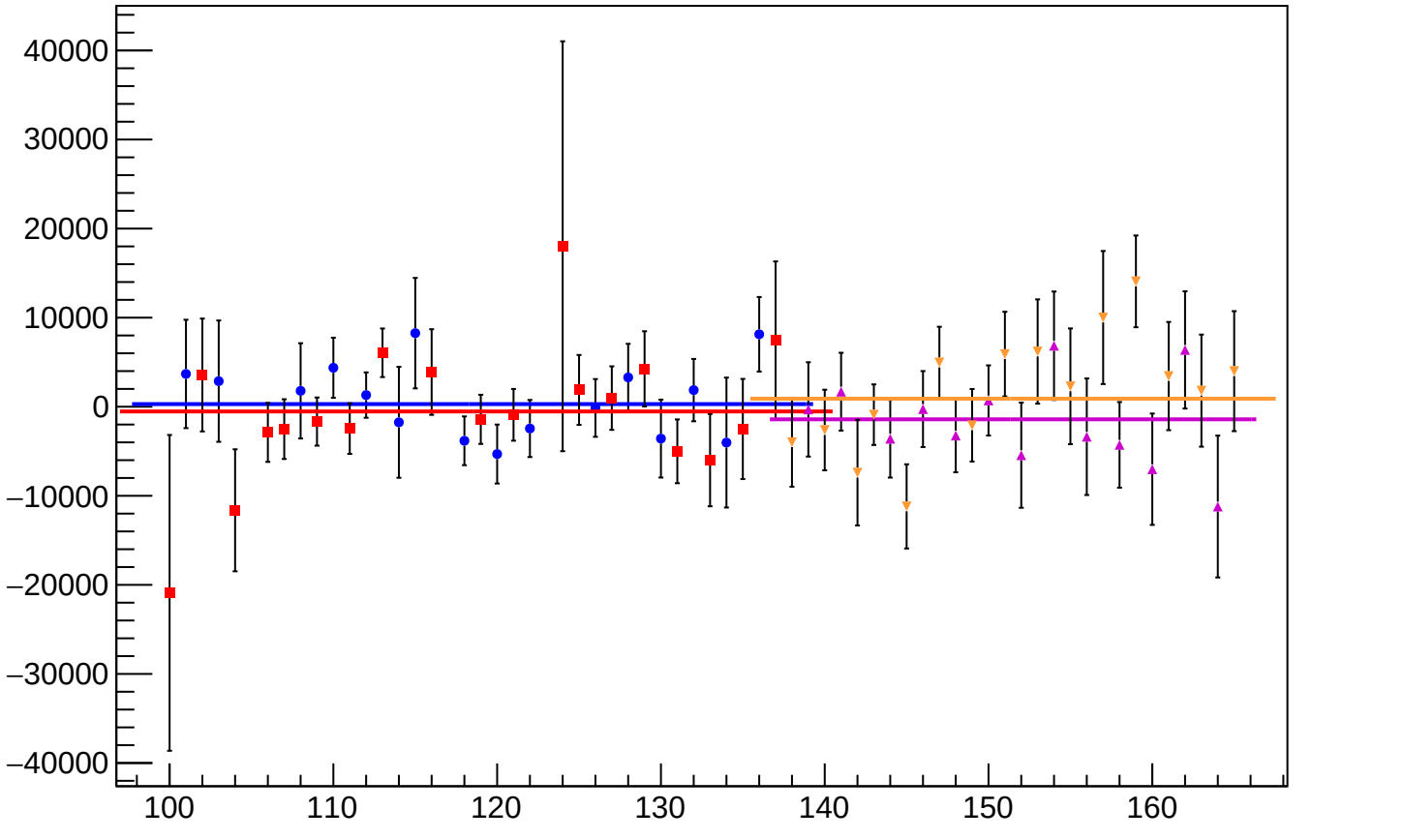
Left: 1797.539+/-0.271 χ^2/NDF: 44577.6/26

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1744.958+/-0.290 χ^2/NDF:206624.0/28

Out: 1763.833+/-0.293 χ^2/NDF:269354.6/31

All: 1754.300+/-0.206 χ^2/NDF: 478072.8/60



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 904.415+/-1292.880 χ^2/NDF:22.3/14

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1413.548+/-1406.538 χ^2/NDF:7.8/12

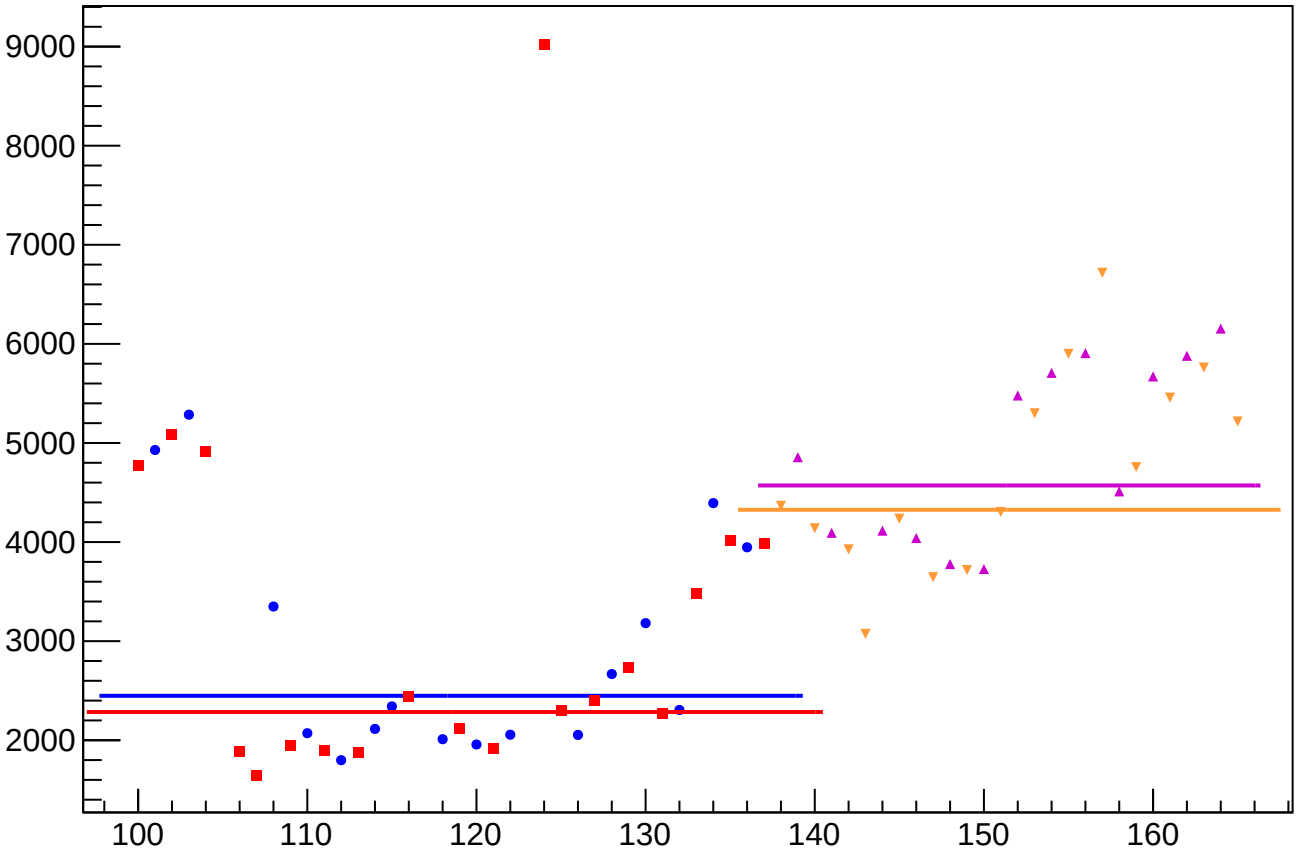
Left: -157.142+/-951.853 χ^2/NDF: 31.6/27

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -250.551+/-795.544 χ^2/NDF:24.1/28

Out: -73.747+/-729.711 χ^2/NDF:41.9/33

All: -154.532+/-537.754 χ^2/NDF: 66.0/62



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4325.866+/-0.914 χ^2/NDF:986989.4/14

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4571.054+/-0.995 χ^2/NDF:668662.7/12

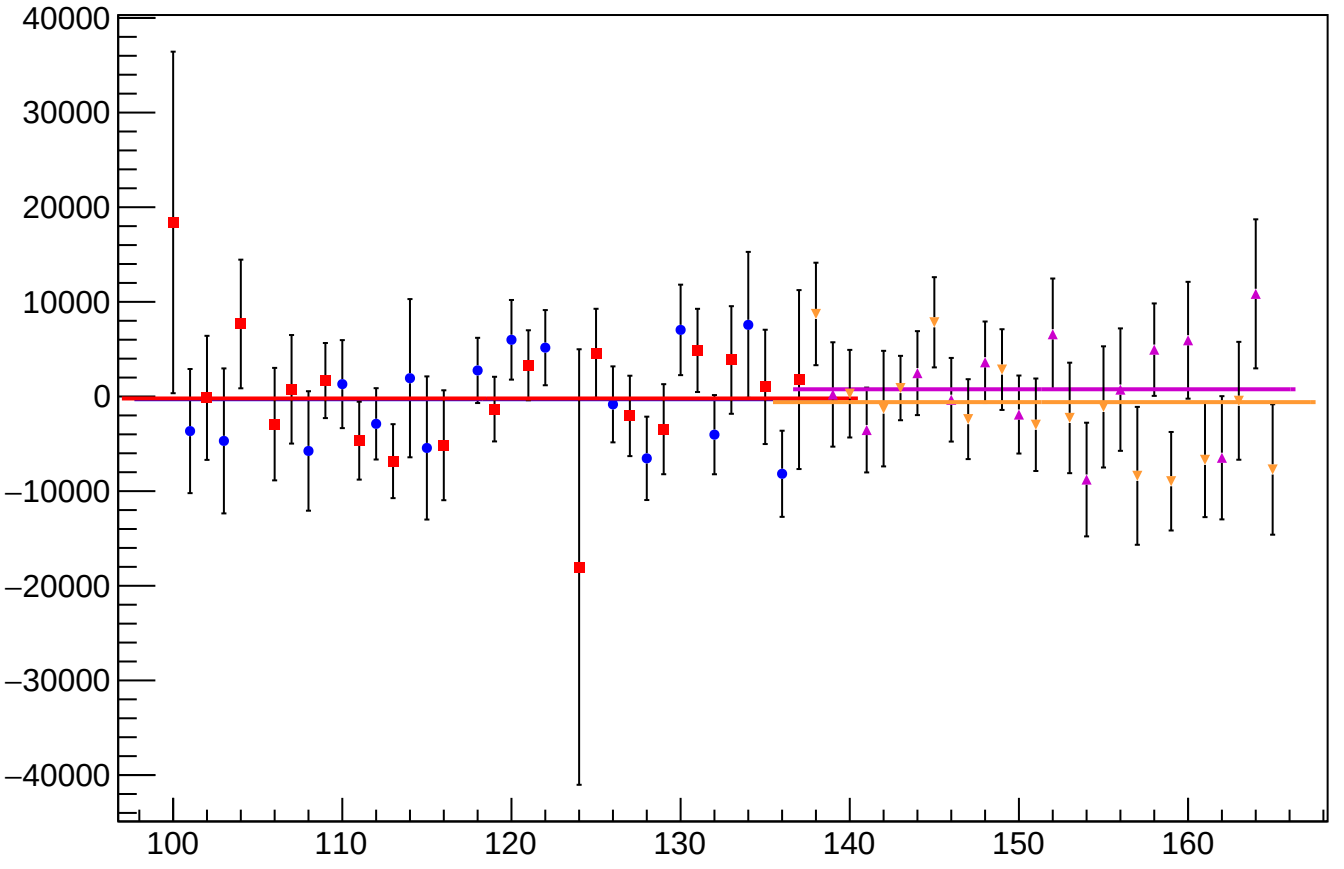
Left: 4438.155+/-0.673 χ^2/NDF: 1688594.2/27

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3127.582+/-0.563 χ^2/NDF:5283513.2/28

Out: 2935.174+/-0.516 χ^2/NDF:5931639.1/33

All: 3023.088+/-0.380 χ^2/NDF: 11278687.3/6



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -595.153+/-1319.100 χ^2/NDF:13.3/14

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 763.946+/-1434.681 χ^2/NDF:9.8/12

Left: 27.453+/-971.038 χ^2/NDF: 23.6/27

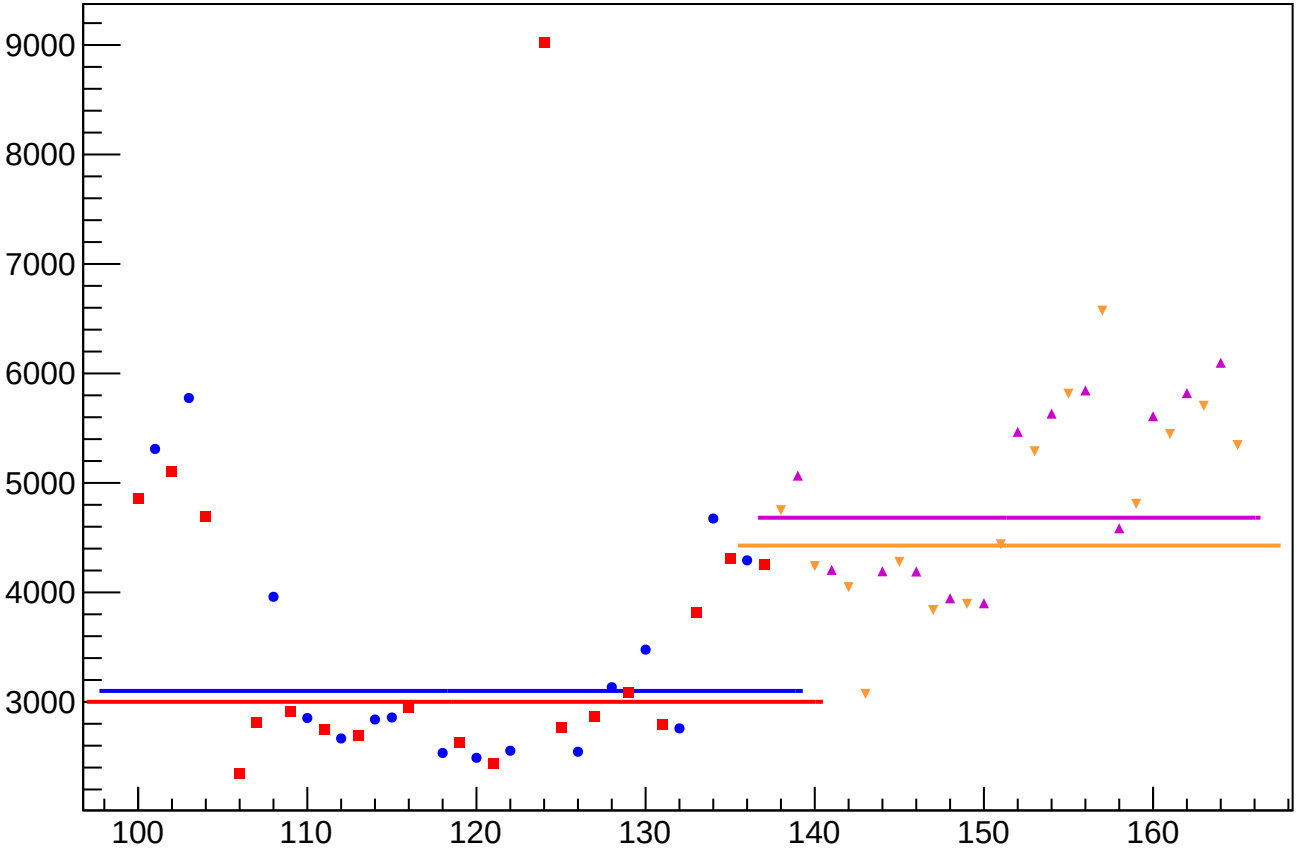
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 144.306+/-919.263 χ^2/NDF:26.7/28

Out: -376.637+/-868.433 χ^2/NDF:26.2/33

All: -130.966+/-631.280 χ^2/NDF: 53.1/62

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4428.037+/-0.933 χ^2/NDF:905274.9/14

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4682.325+/-1.014 χ^2/NDF:533586.2/12

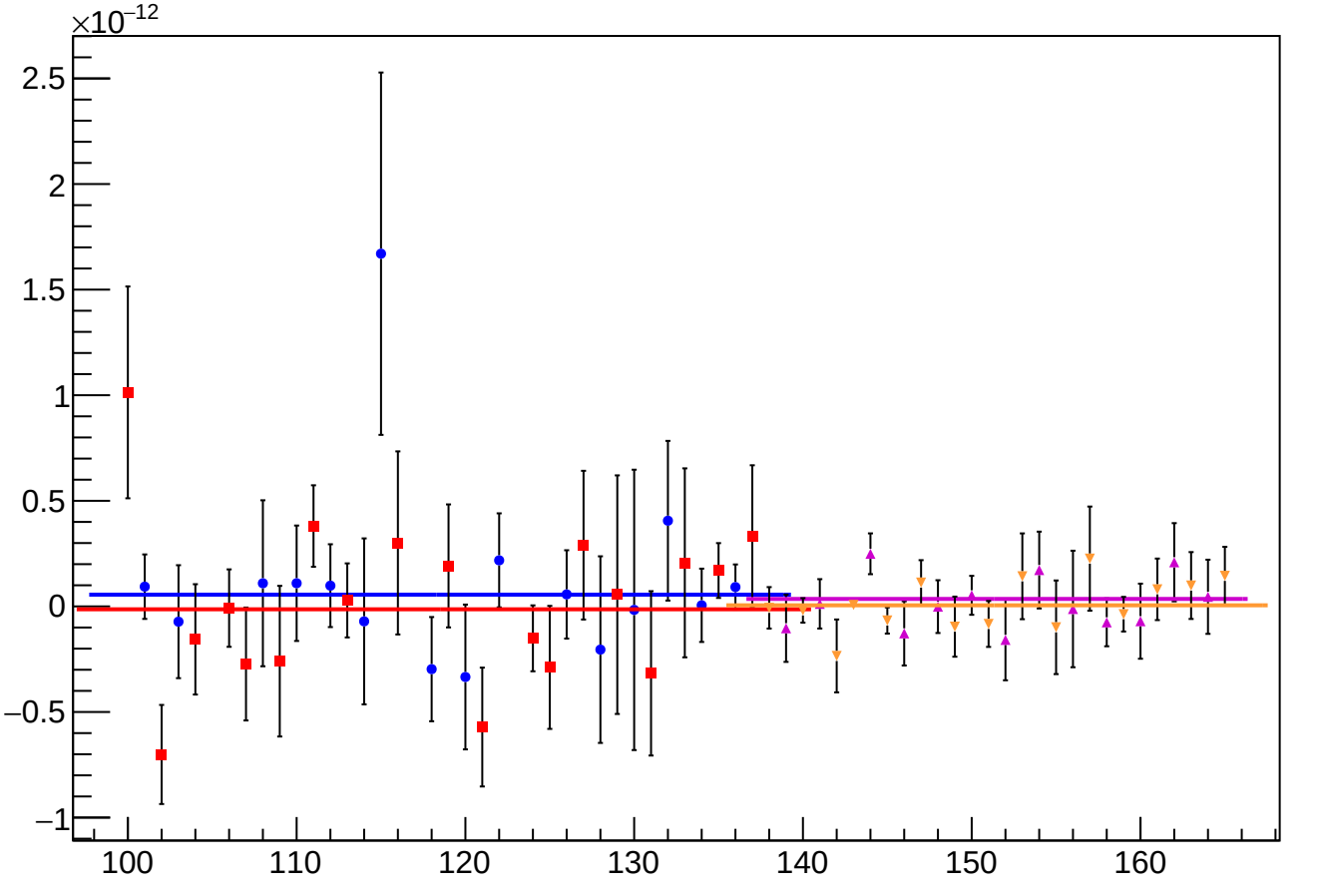
Left: 4544.527+/-0.687 χ^2/NDF: 1472909.0/27

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3749.706+/-0.650 χ^2/NDF:2931035.5/28

Out: 3609.867+/-0.609 χ^2/NDF:3054113.6/33

All: 3675.274+/-0.445 χ^2/NDF: 6009783.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/12

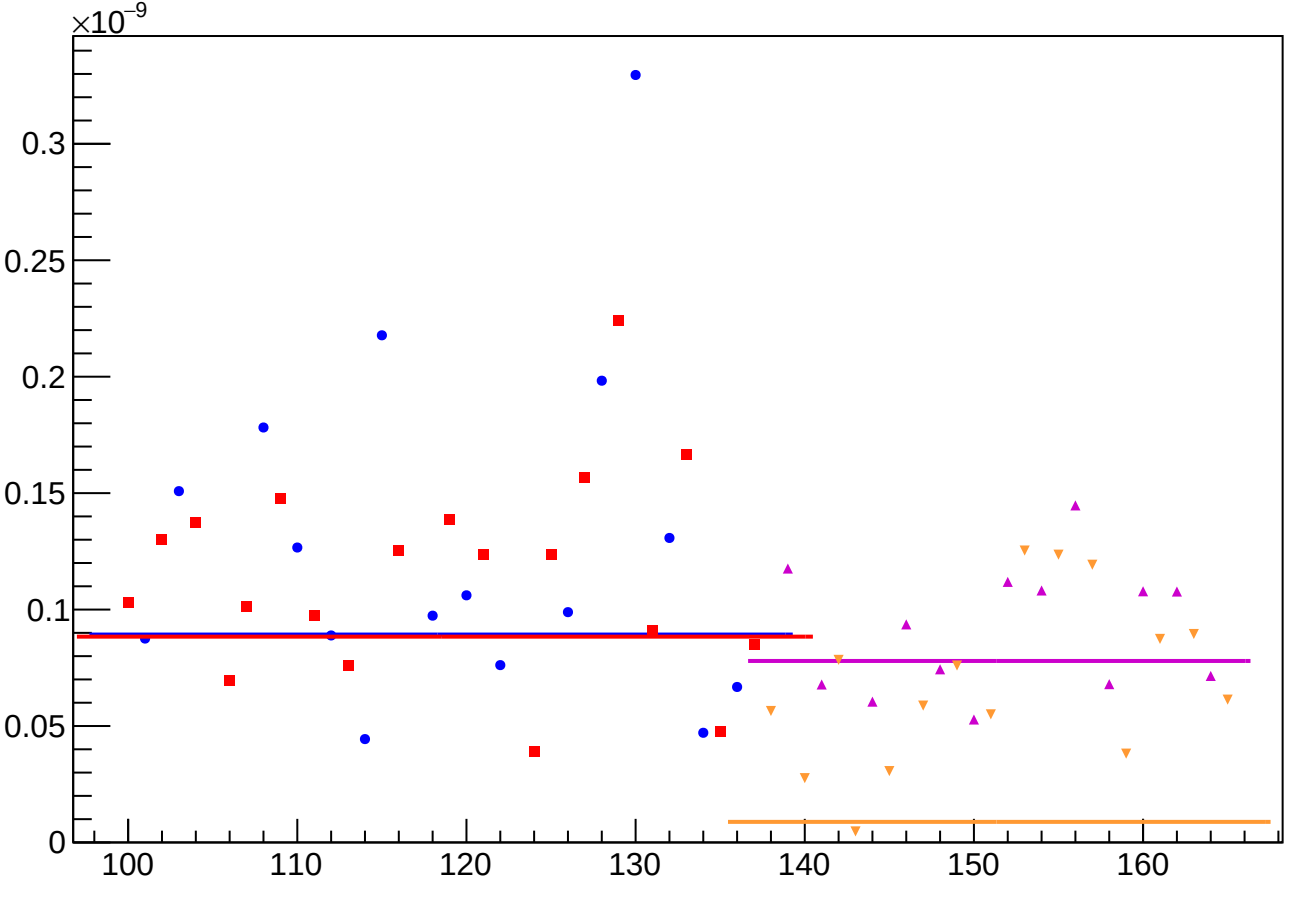
Left: 0.000+/-0.000 χ^2/NDF: 20.5/27

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:20.2/28

Out: 0.000+/-0.000 χ^2/NDF:39.2/33

All: 0.000+/-0.000 χ^2/NDF: 60.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6164808.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:738459.3/12

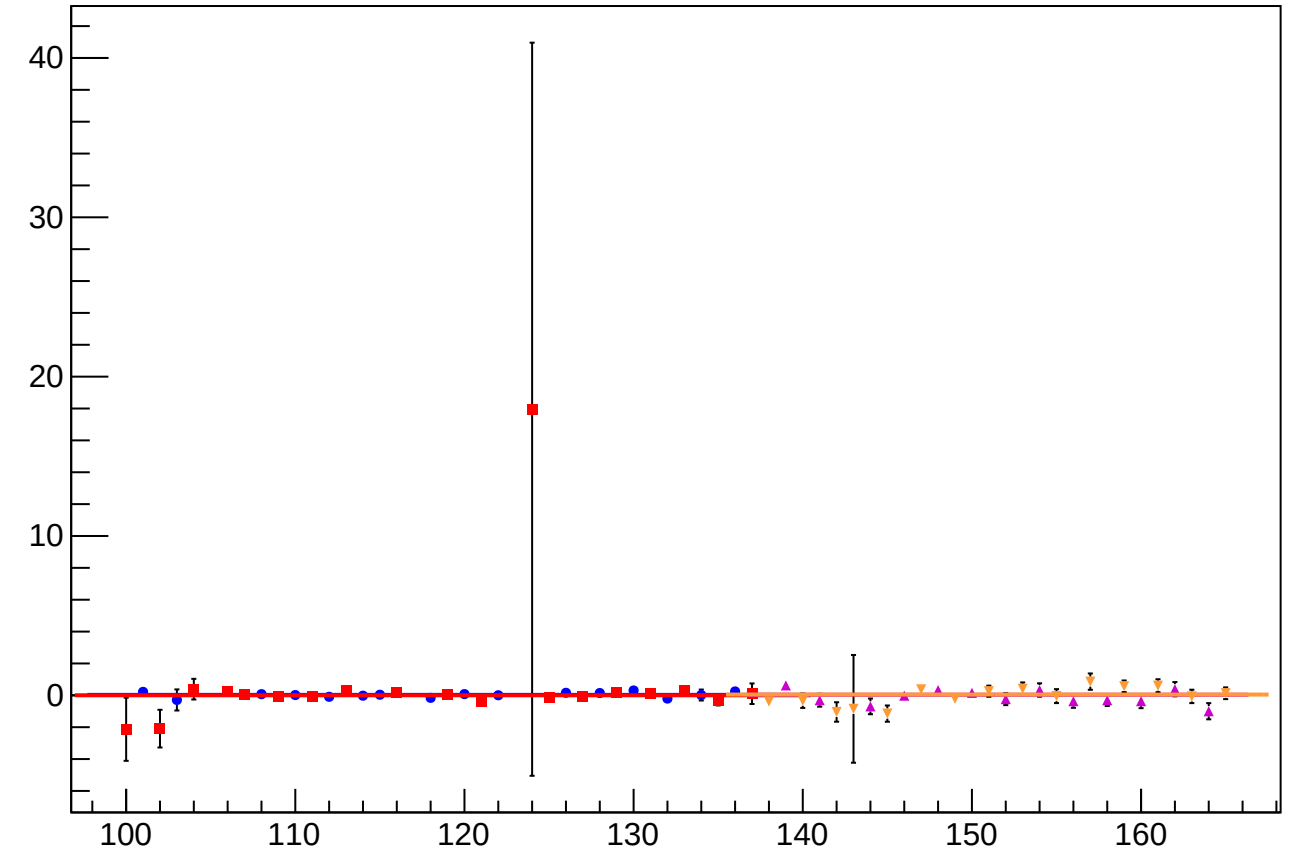
Left: 0.000+/-0.000 χ^2/NDF: 13145650.5/27

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1743385.2/28

Out: 0.000+/-0.000 χ^2/NDF:11153945.4/33

All: 0.000+/-0.000 χ^2/NDF: 22265006.4/62



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

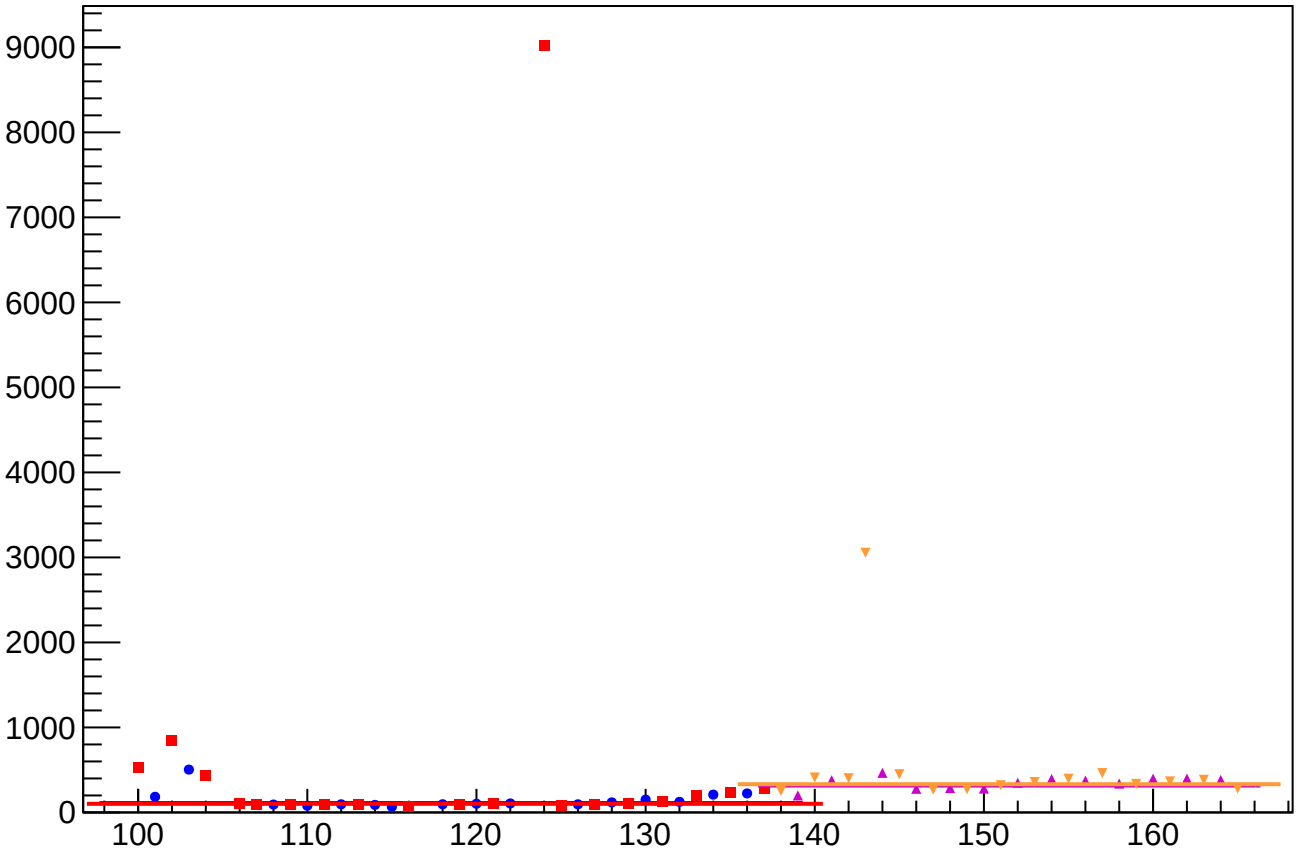
Left: 0.041+/-0.071 χ^2/NDF: 40.4/27

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.019+/-0.029 χ^2/NDF: 71.9/62



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 332.185+/-0.072 χ^2/NDF:2072522.0/14

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

Left: 324.132+/-0.050 χ^2/NDF: 3206953.9/27

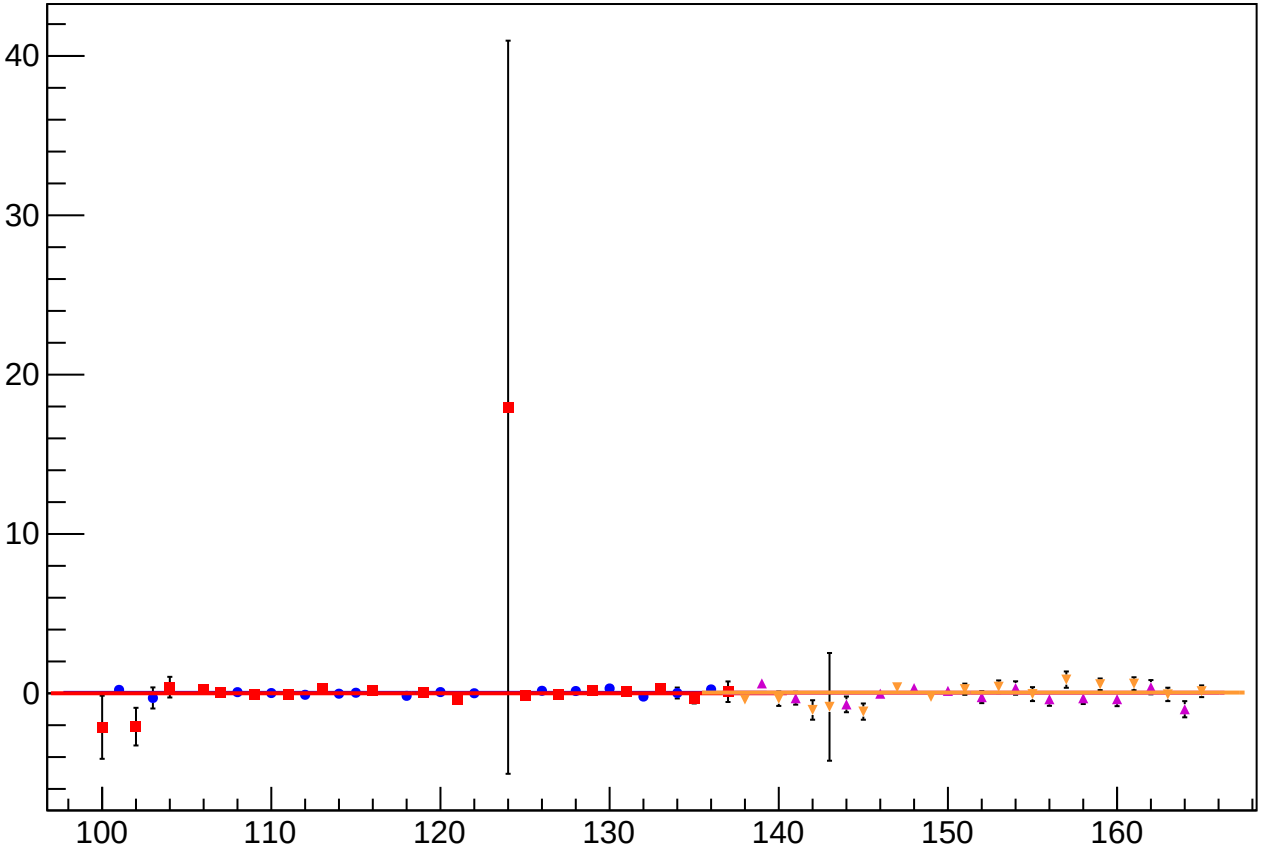
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 145.529+/-0.029 χ^2/NDF:10193846.3/28

Out: 137.082+/-0.028 χ^2/NDF:13290147.3/33

All: 141.170+/-0.020 χ^2/NDF: 23527334.5/62

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: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.041+/-0.071 χ^2/NDF: 40.4/27

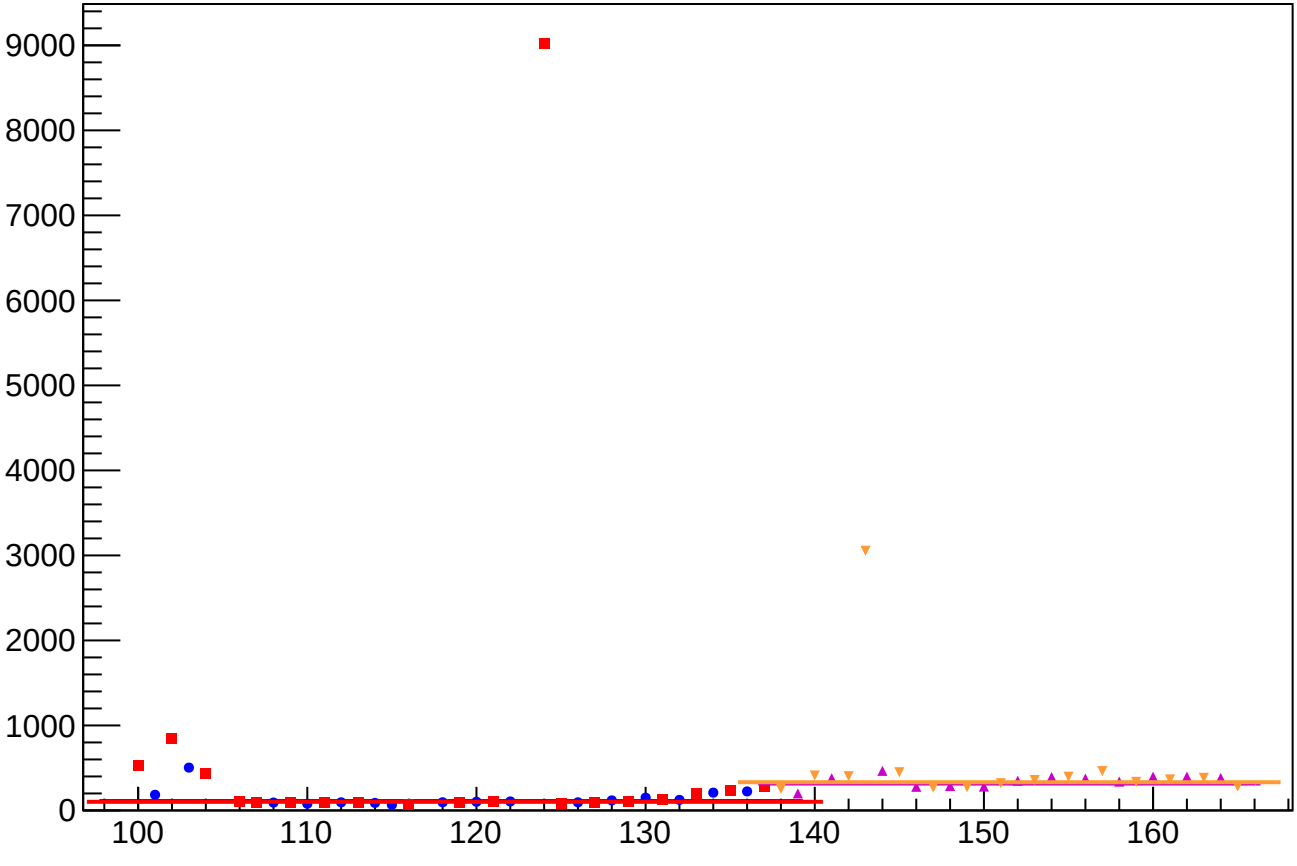
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.019+/-0.029 χ^2/NDF: 71.9/62

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 332.185+/-0.072 χ^2/NDF:2072522.0/14

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

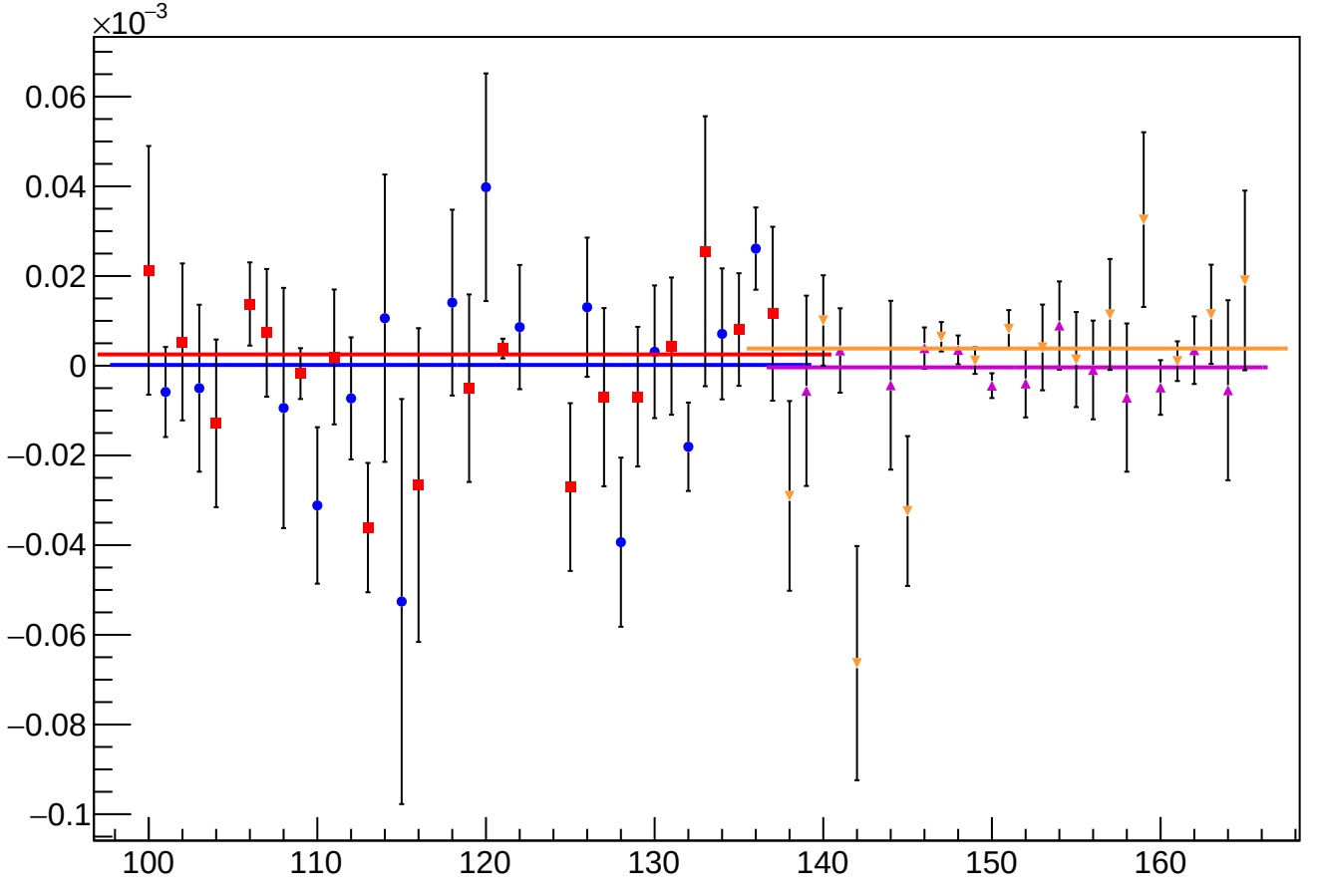
Left: 324.132+/-0.050 χ^2/NDF: 3206953.9/27

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 145.529+/-0.029 χ^2/NDF:10193846.3/28

Out: 137.082+/-0.028 χ^2/NDF:13290147.3/33

All: 141.170+/-0.020 χ^2/NDF: 23527334.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/12

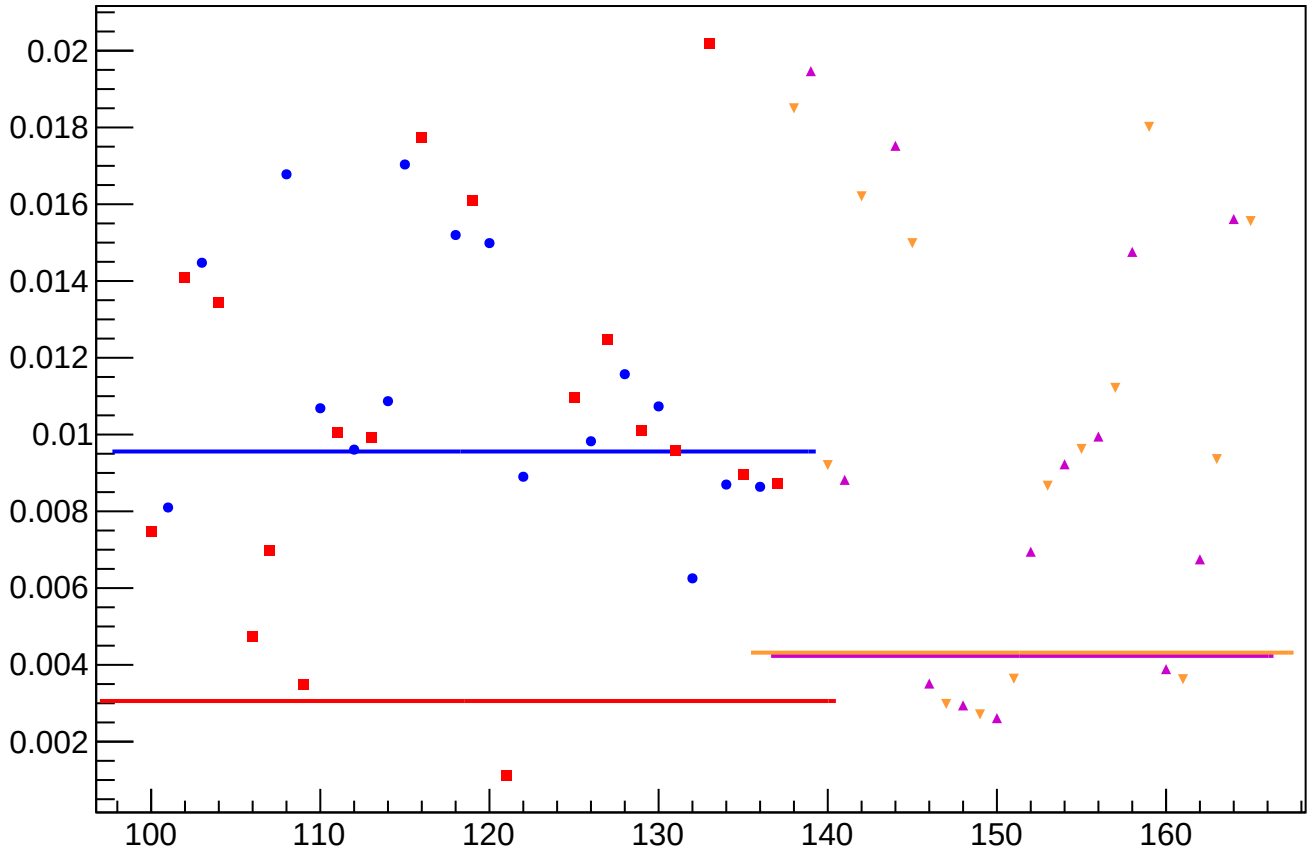
Left: 0.000+/-0.000 χ^2/NDF: 31.6/26

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:32.6/28

Out: 0.000+/-0.000 χ^2/NDF:37.4/31

All: 0.000+/-0.000 χ^2/NDF: 73.3/60



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:7192653.3/13

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:6558623.1/12

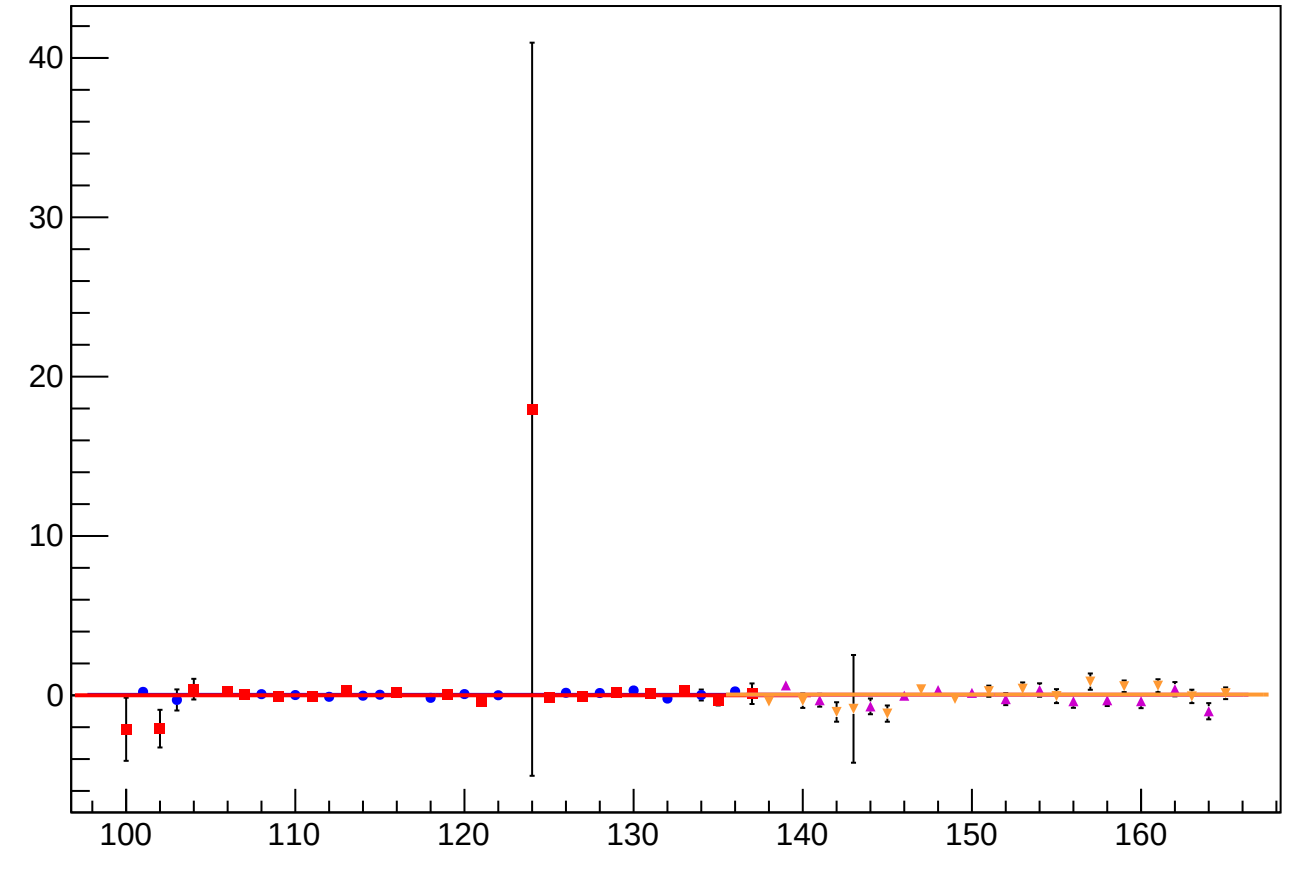
Left: 0.004+/-0.000 χ^2/NDF: 13753986.3/26

Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10909053.8/28

Out: 0.004+/-0.000 χ^2/NDF:15841051.0/31

All: 0.004+/-0.000 χ^2/NDF: 27699577.5/60



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.041+/-0.071 χ^2/NDF: 40.4/27

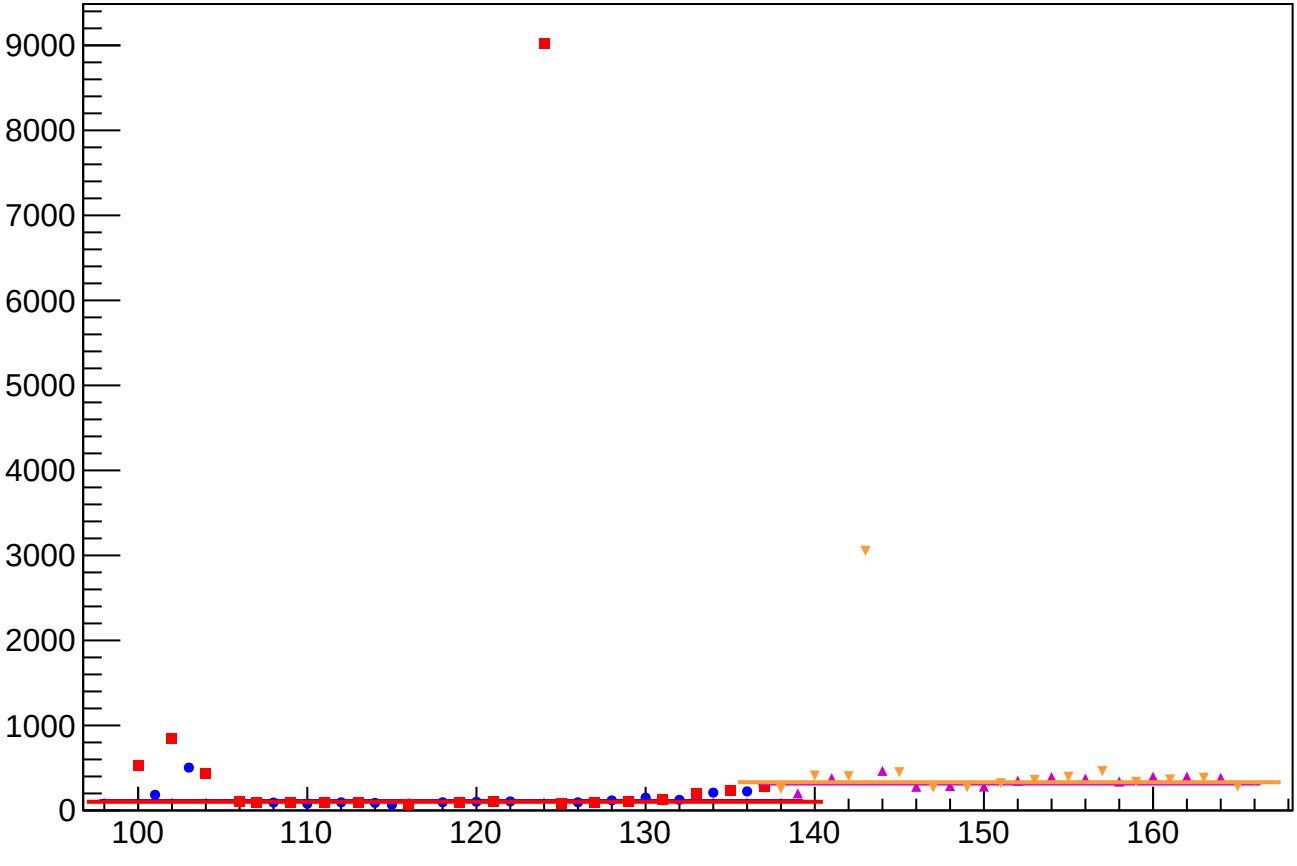
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.019+/-0.029 χ^2/NDF: 71.9/62

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 332.189+/-0.072 χ^2/NDF:2072558.1/14

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

Left: 324.136+/-0.050 χ^2/NDF: 3206968.0/27

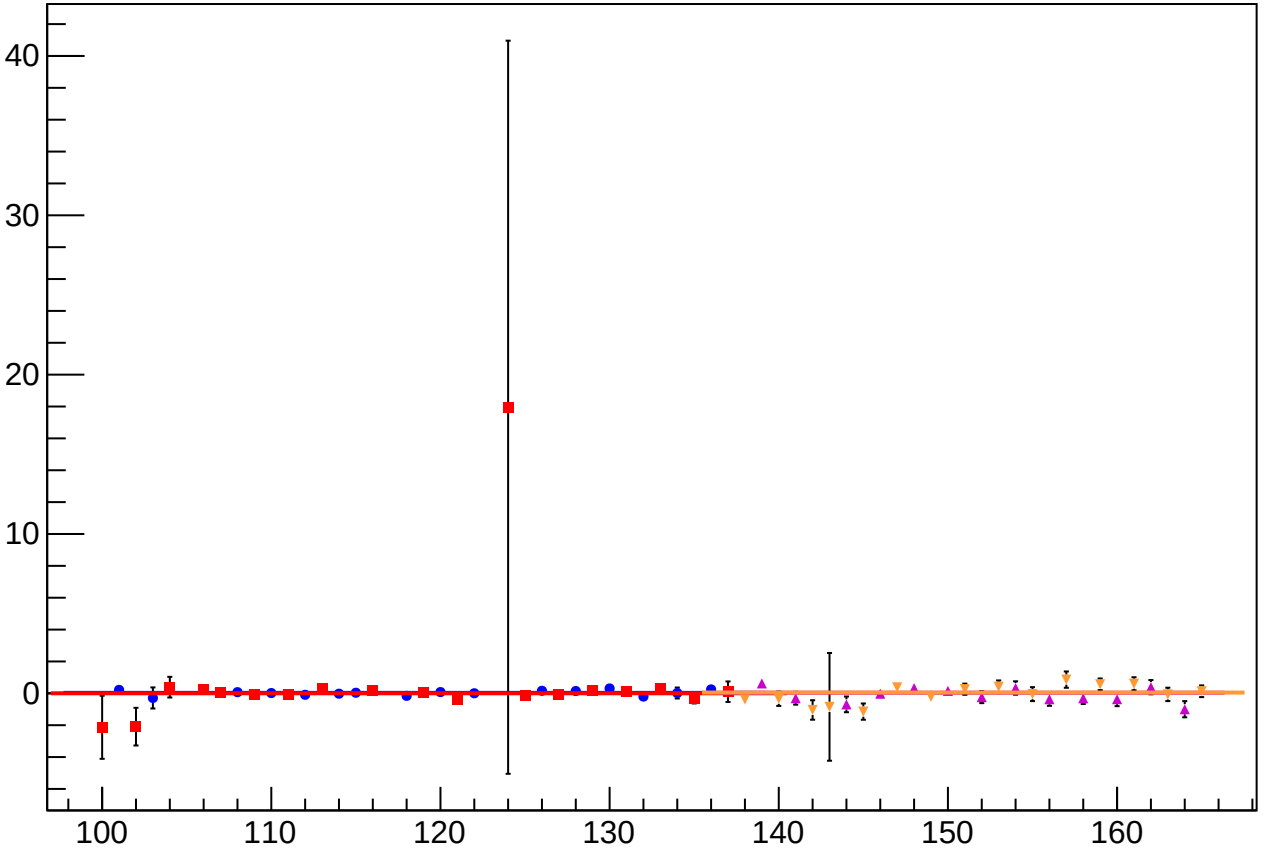
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 145.530+/-0.029 χ^2/NDF:10193838.0/28

Out: 137.084+/-0.028 χ^2/NDF:13290093.8/33

All: 141.171+/-0.020 χ^2/NDF: 23527267.8/62

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: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.041+/-0.071 χ^2/NDF: 40.4/27

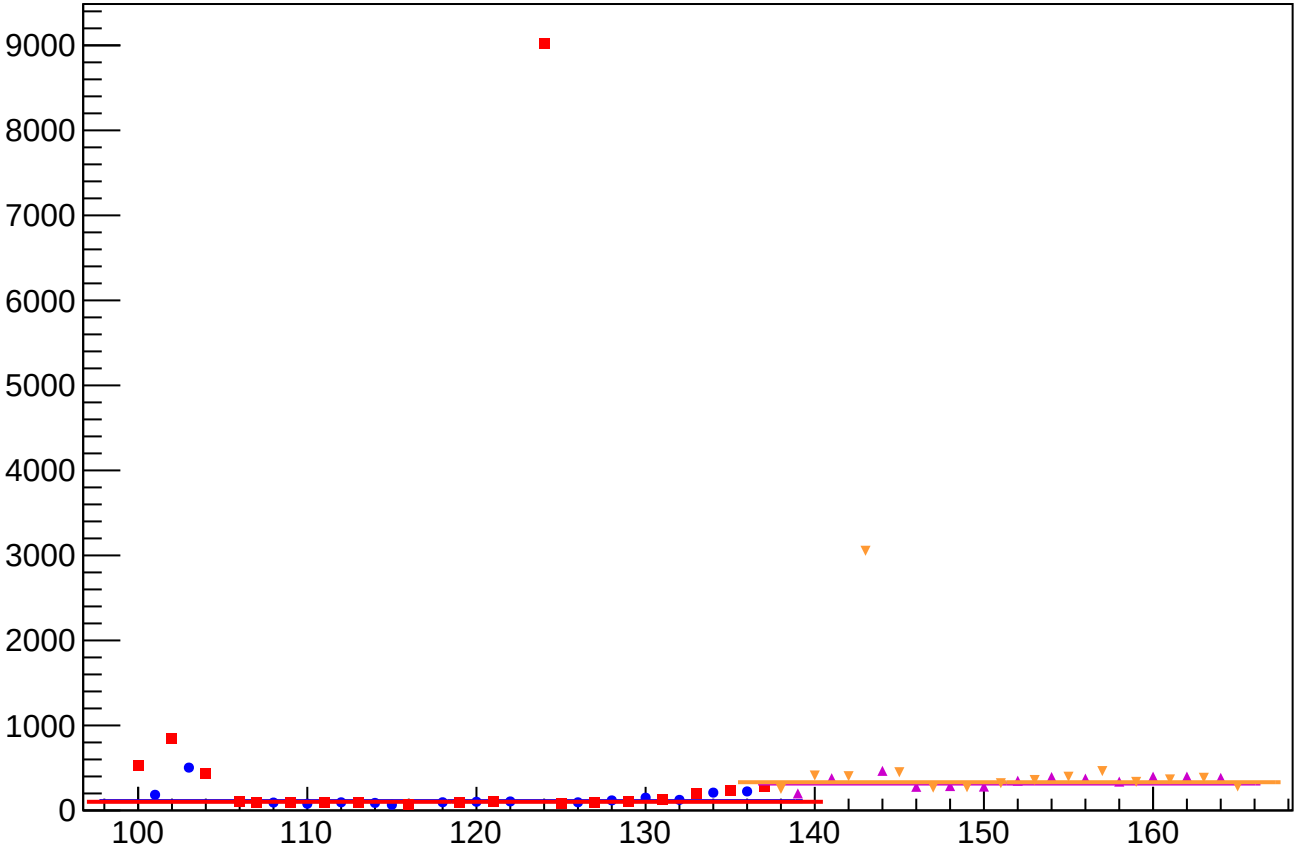
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.019+/-0.029 χ^2/NDF: 71.9/62

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 332.189+/-0.072 χ^2/NDF:2072558.1/14

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

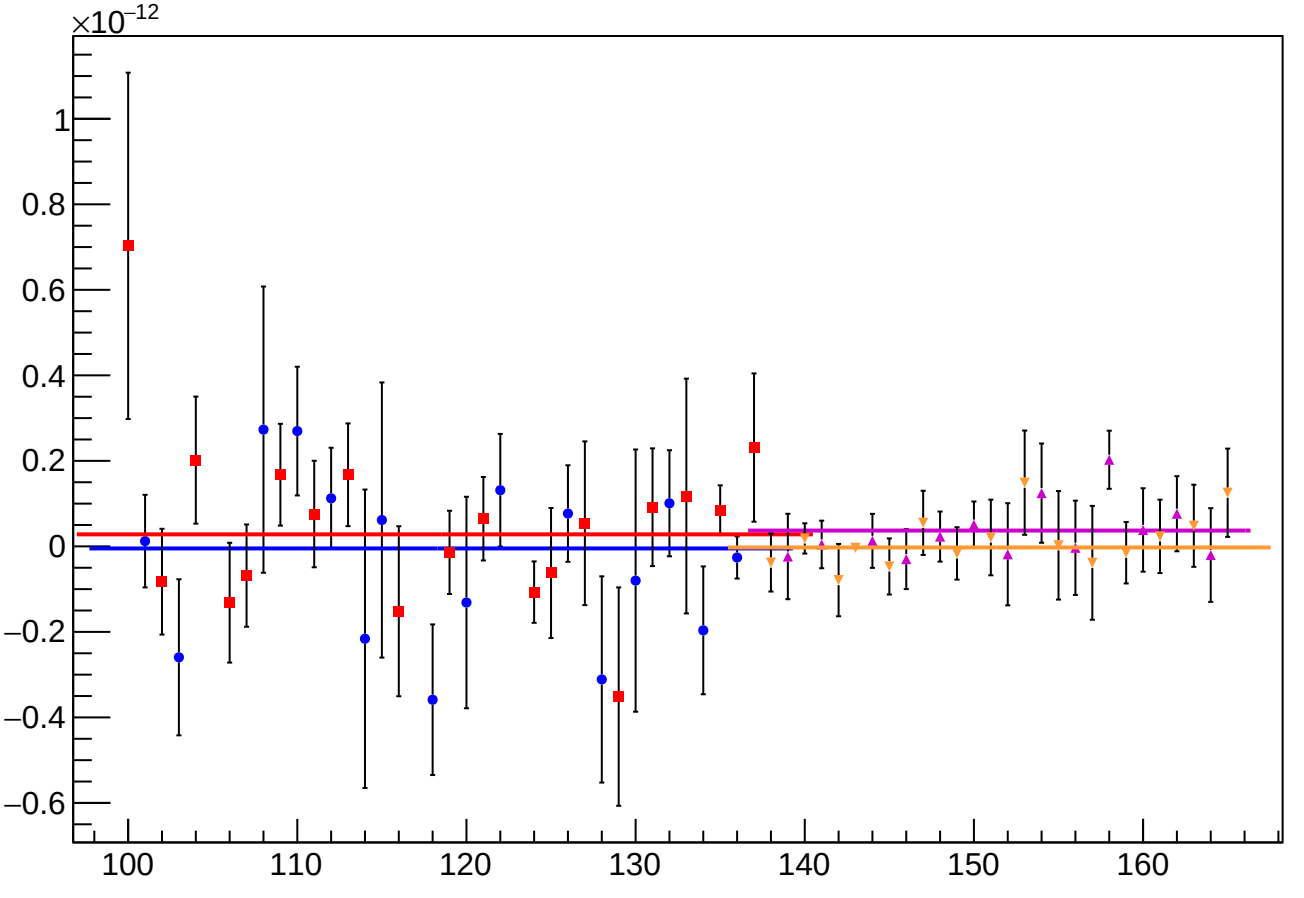
Left: 324.136+/-0.050 χ^2/NDF: 3206968.0/27

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 145.530+/-0.029 χ^2/NDF:10193838.0/28

Out: 137.084+/-0.028 χ^2/NDF:13290093.8/33

All: 141.171+/-0.020 χ^2/NDF: 23527267.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

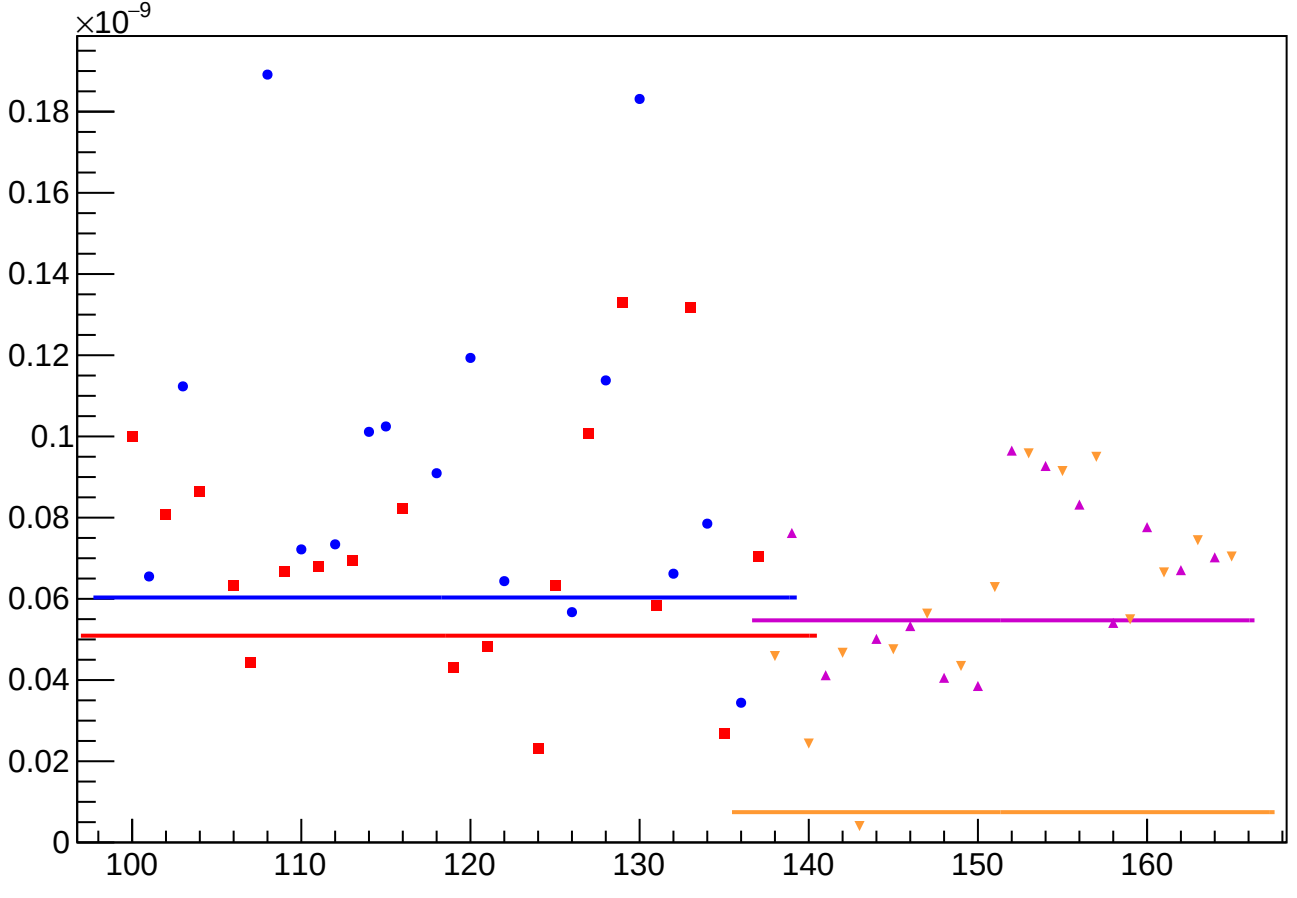
Left: -0.000+/-0.000 χ^2/NDF: 18.7/27

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.9/28

Out: -0.000+/-0.000 χ^2/NDF:27.1/33

All: 0.000+/-0.000 χ^2/NDF: 57.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11678709.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1300944.0/12

Left: 0.000+/-0.000 χ^2/NDF: 22489977.7/27

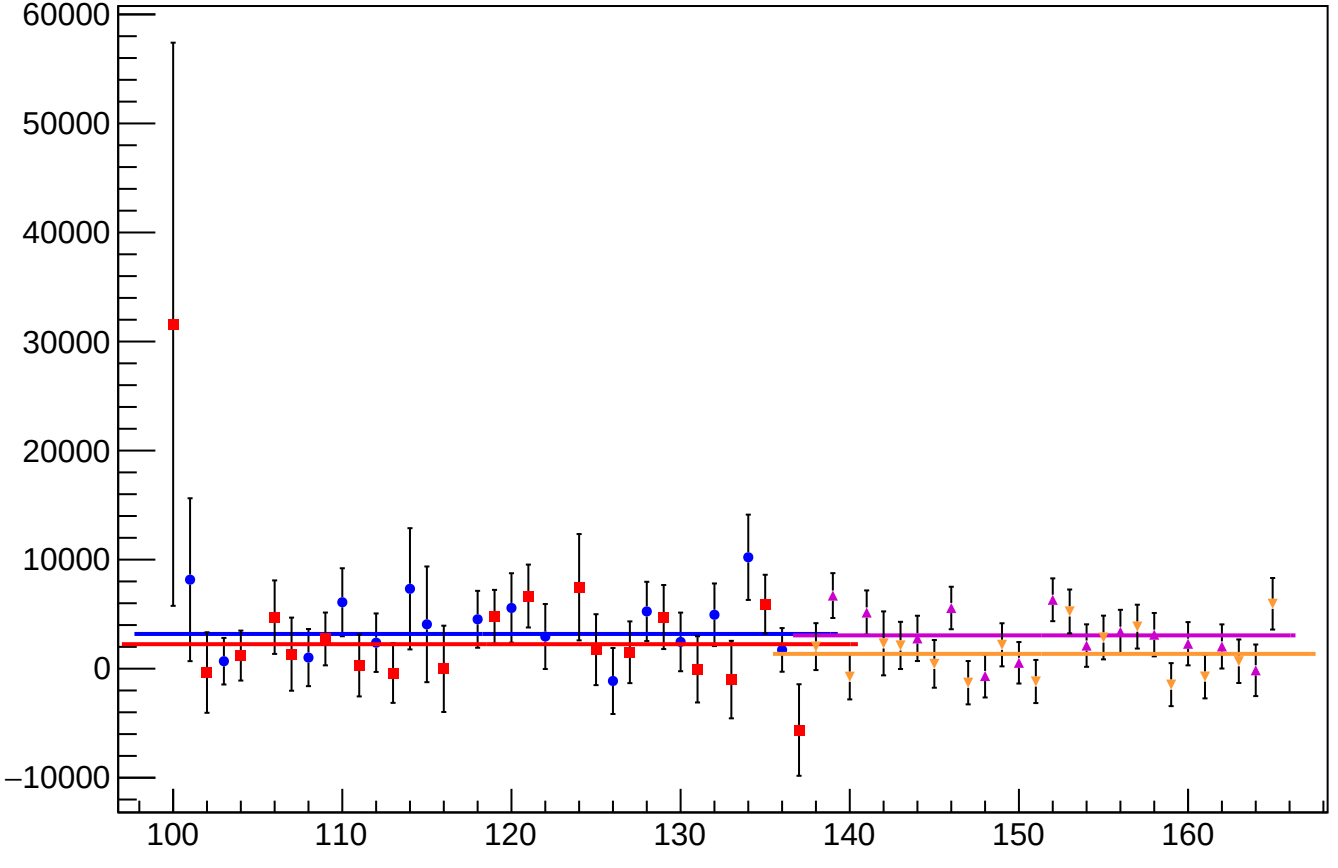
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3090812.1/28

Out: 0.000+/-0.000 χ^2/NDF:18259275.5/33

All: 0.000+/-0.000 χ^2/NDF: 34734762.8/62

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.893+/-539.672 χ^2/NDF:18.0/14

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3052.922+/-558.268 χ^2/NDF:16.5/12

Left: 2176.188+/-388.013 χ^2/NDF: 39.3/27

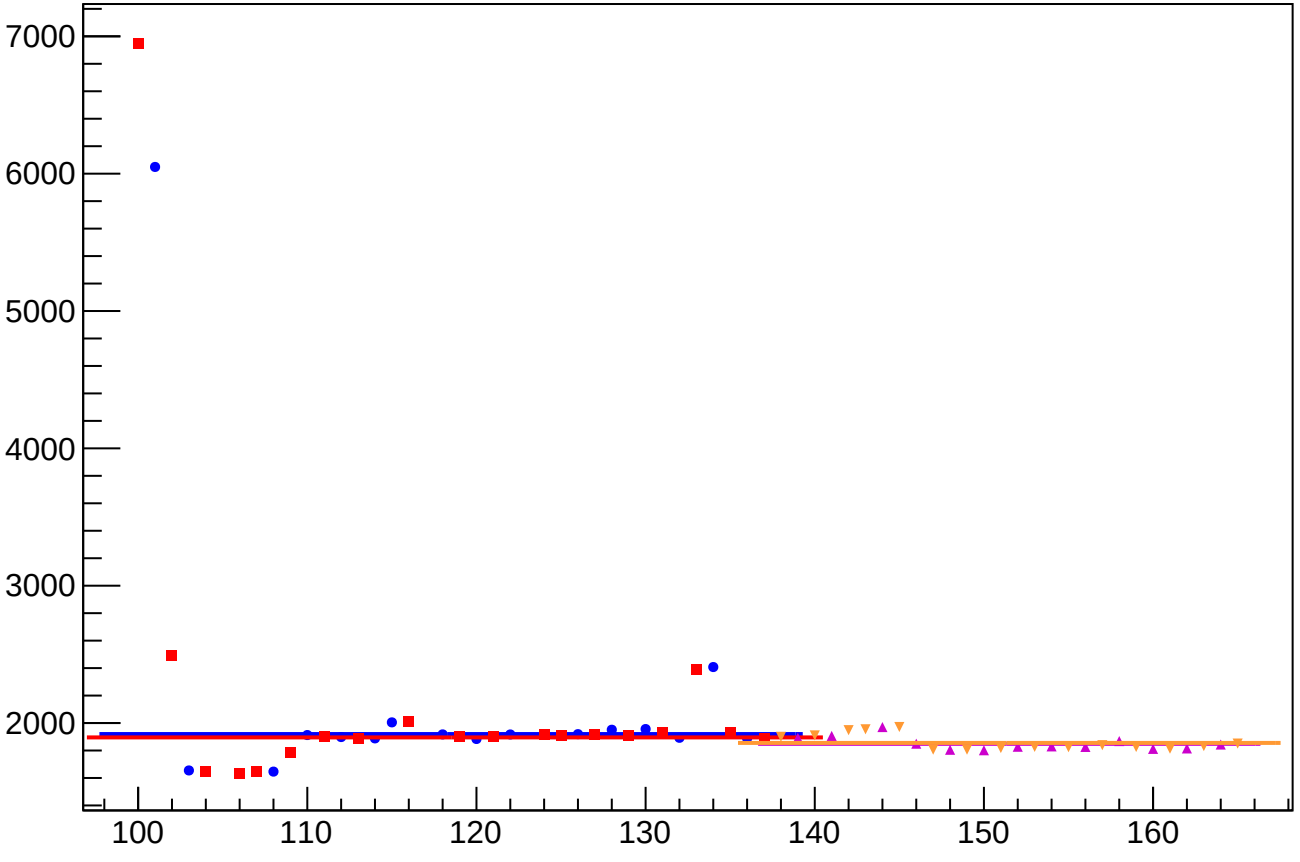
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3101.089+/-443.709 χ^2/NDF:28.2/28

Out: 1681.964+/-429.847 χ^2/NDF:35.5/33

All: 2369.013+/-308.732 χ^2/NDF: 69.0/62

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

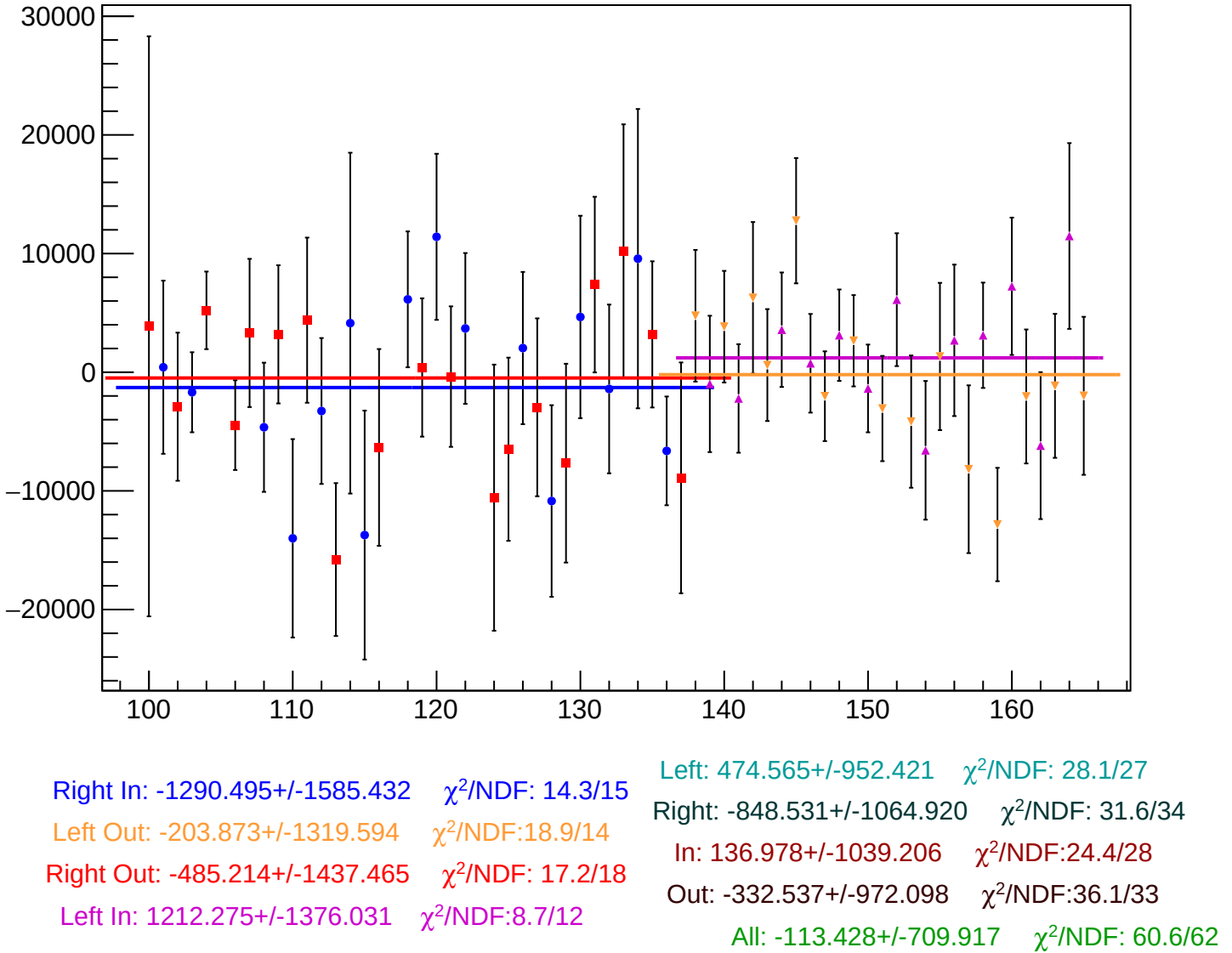
Left: 1852.034+/-0.274 χ^2/NDF: 33727.8/27

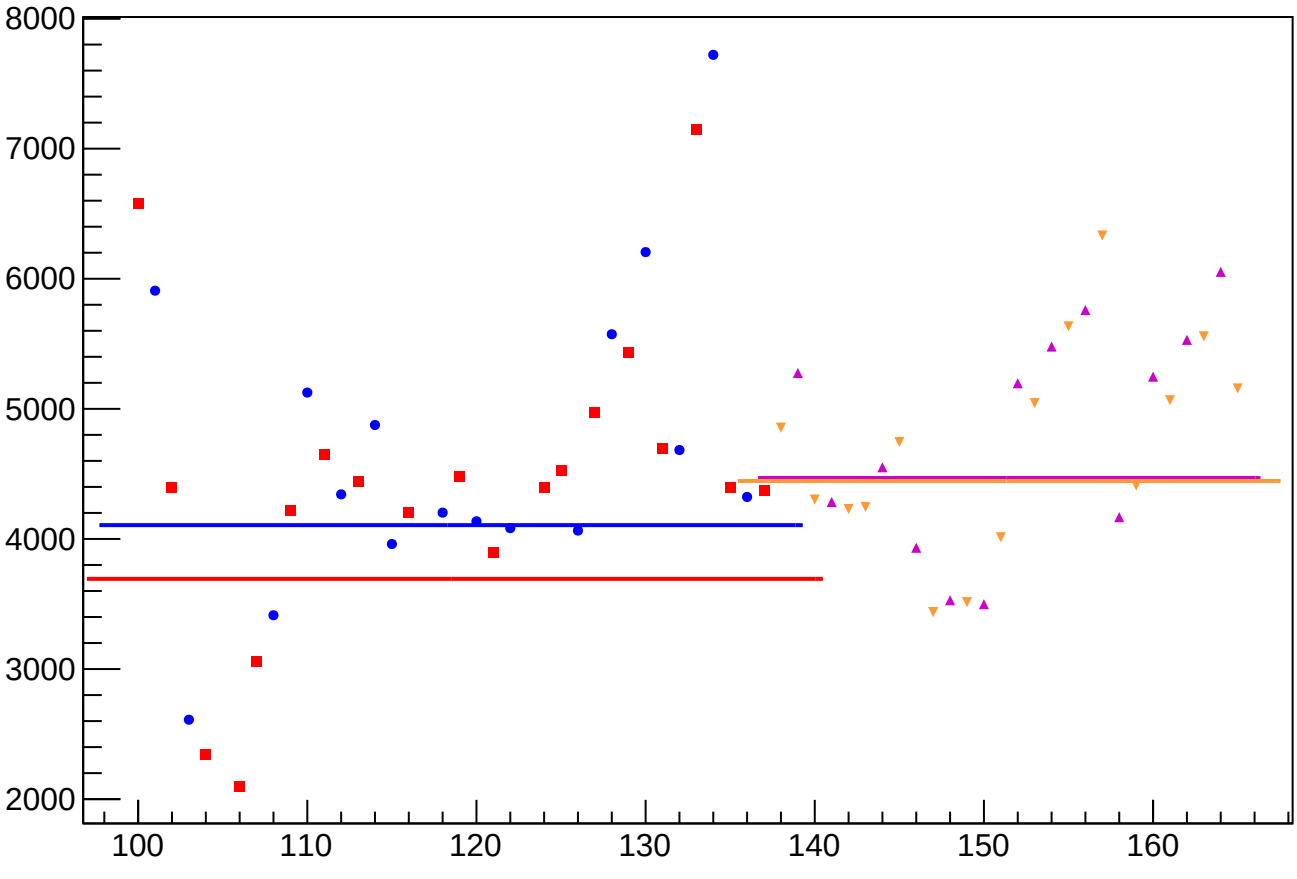
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1874.802+/-0.314 χ^2/NDF:723048.8/28

Out: 1870.003+/-0.304 χ^2/NDF:246190.2/33

All: 1872.323+/-0.218 χ^2/NDF: 969359.9/62


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: -203.873+/-1319.594 χ²/NDF:18.9/14
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 1212.275+/-1376.031 χ²/NDF:8.7/12
Left: 474.565+/-952.421 χ²/NDF: 28.1/27
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: 136.978+/-1039.206 χ²/NDF:24.4/28
Out: -332.537+/-972.098 χ²/NDF:36.1/33
All: -113.428+/-709.917 χ²/NDF: 60.6/62



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4445.630+/-0.933 χ^2/NDF:656225.1/14

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4468.460+/-0.973 χ^2/NDF:694805.7/12

Left: 4456.567+/-0.673 χ^2/NDF: 1351317.7/27

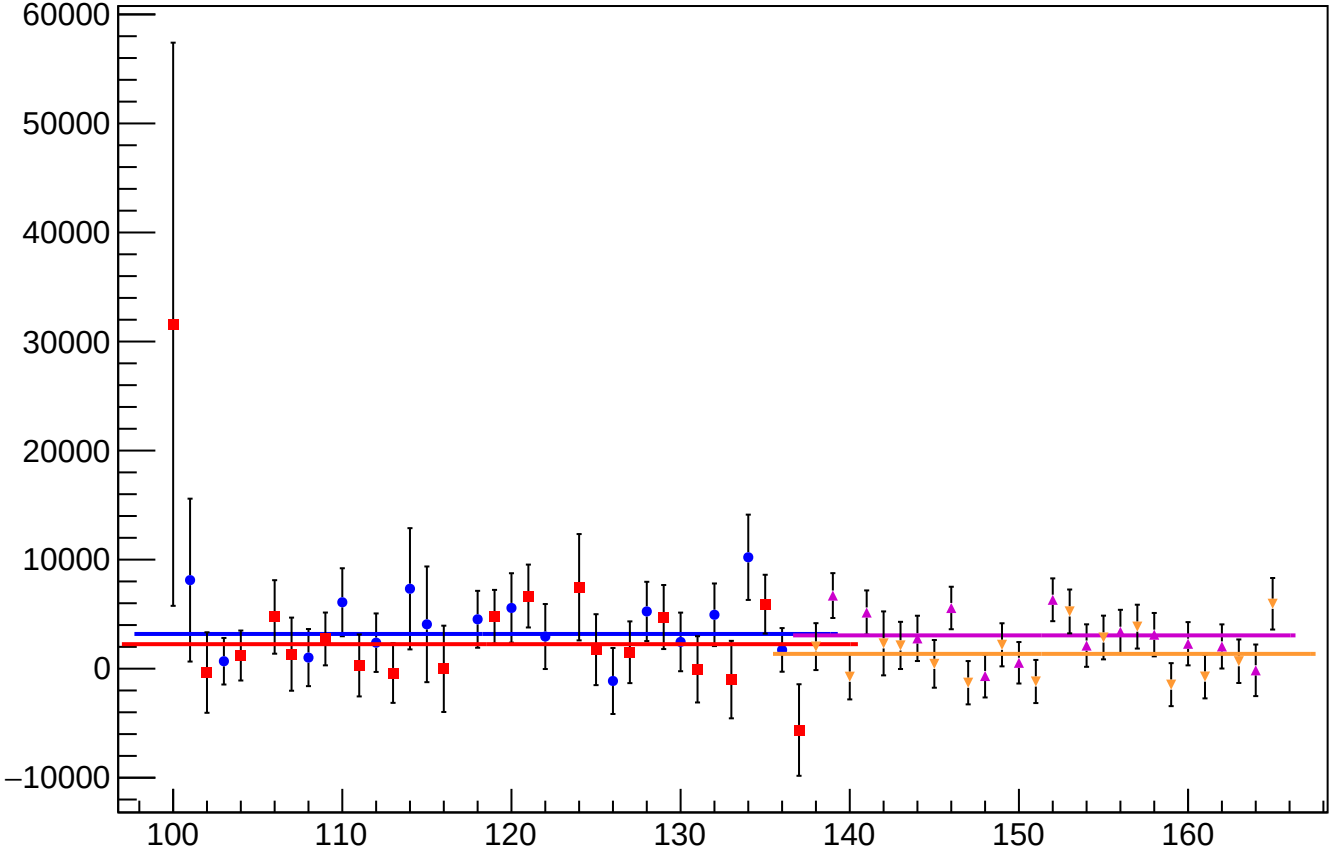
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4312.793+/-0.735 χ^2/NDF:1710511.1/28

Out: 4101.555+/-0.687 χ^2/NDF:2310192.6/33

All: 4200.133+/-0.502 χ^2/NDF: 4064775.9/62

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.789+/-539.672 χ^2/NDF:18.0/14

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3052.951+/-558.268 χ^2/NDF:16.5/12

Left: 2176.149+/-388.013 χ^2/NDF: 39.3/27

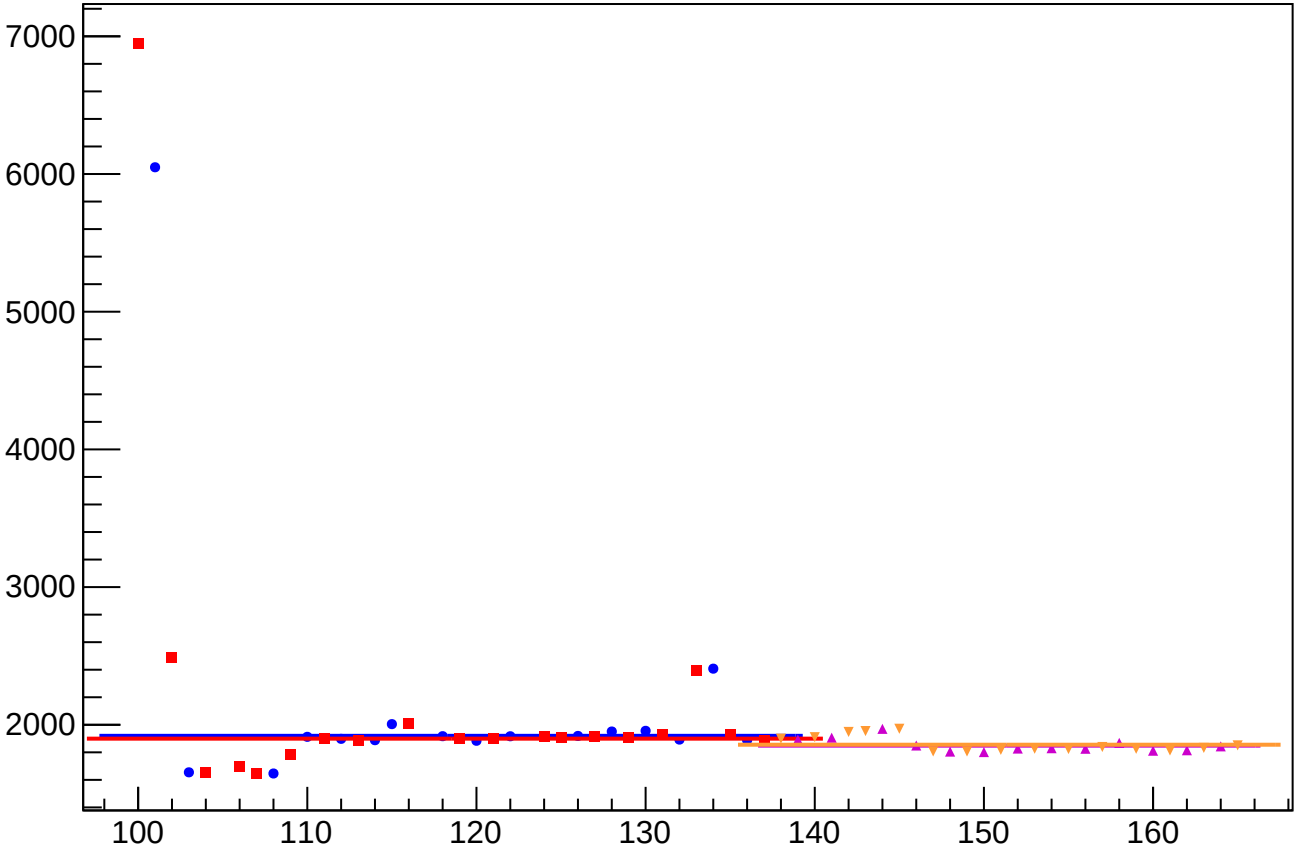
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3100.838+/-443.709 χ^2/NDF:28.2/28

Out: 1682.311+/-429.848 χ^2/NDF:35.5/33

All: 2369.072+/-308.732 χ^2/NDF: 69.0/62

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

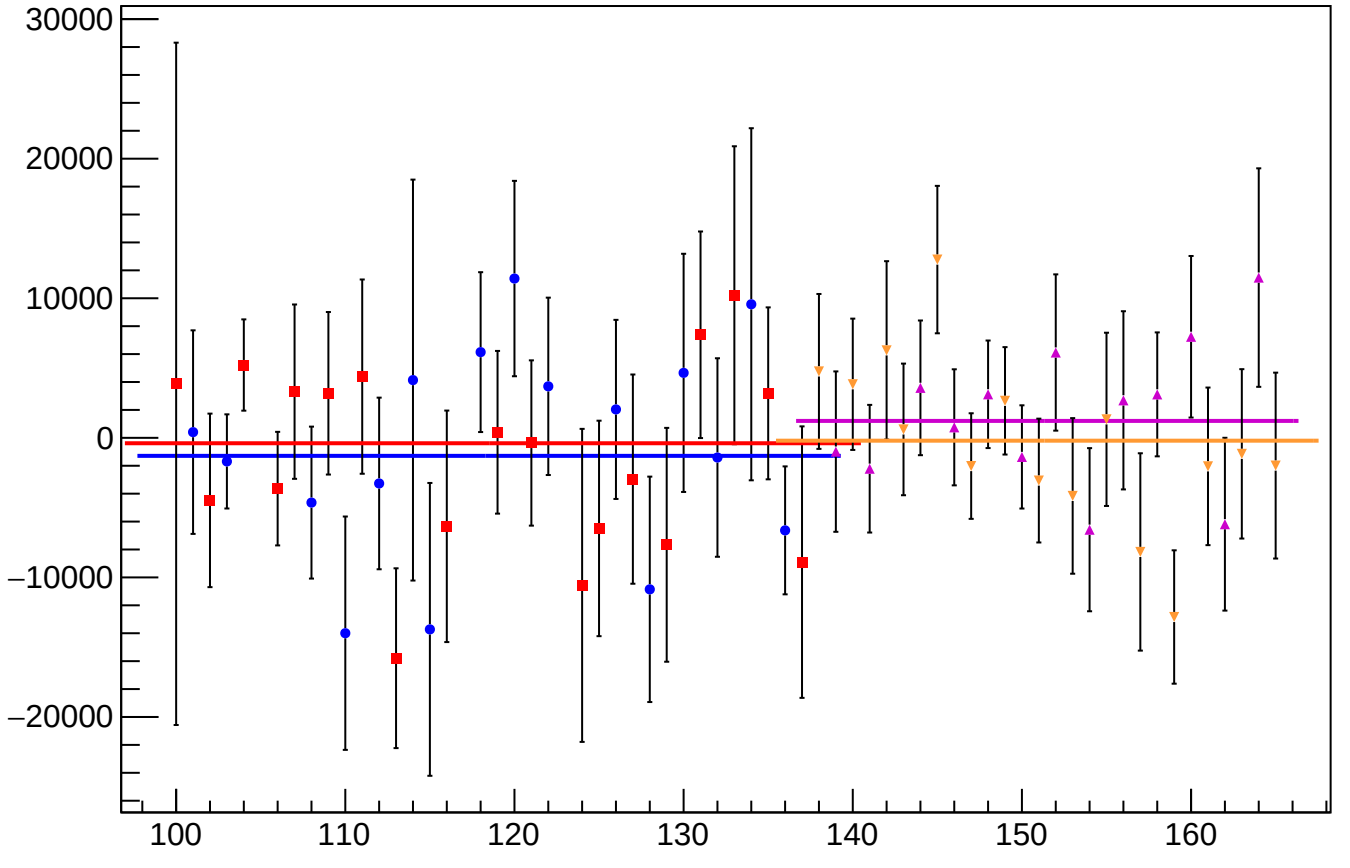
Left: 1852.034+/-0.274 χ^2/NDF: 33727.8/27

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.802+/-0.314 χ^2/NDF:723048.1/28

Out: 1871.434+/-0.304 χ^2/NDF:240407.9/33

All: 1873.064+/-0.218 χ^2/NDF: 963515.5/62



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -203.872+/-1319.591 χ^2/NDF:18.9/14

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1212.317+/-1376.032 χ^2/NDF:8.7/12

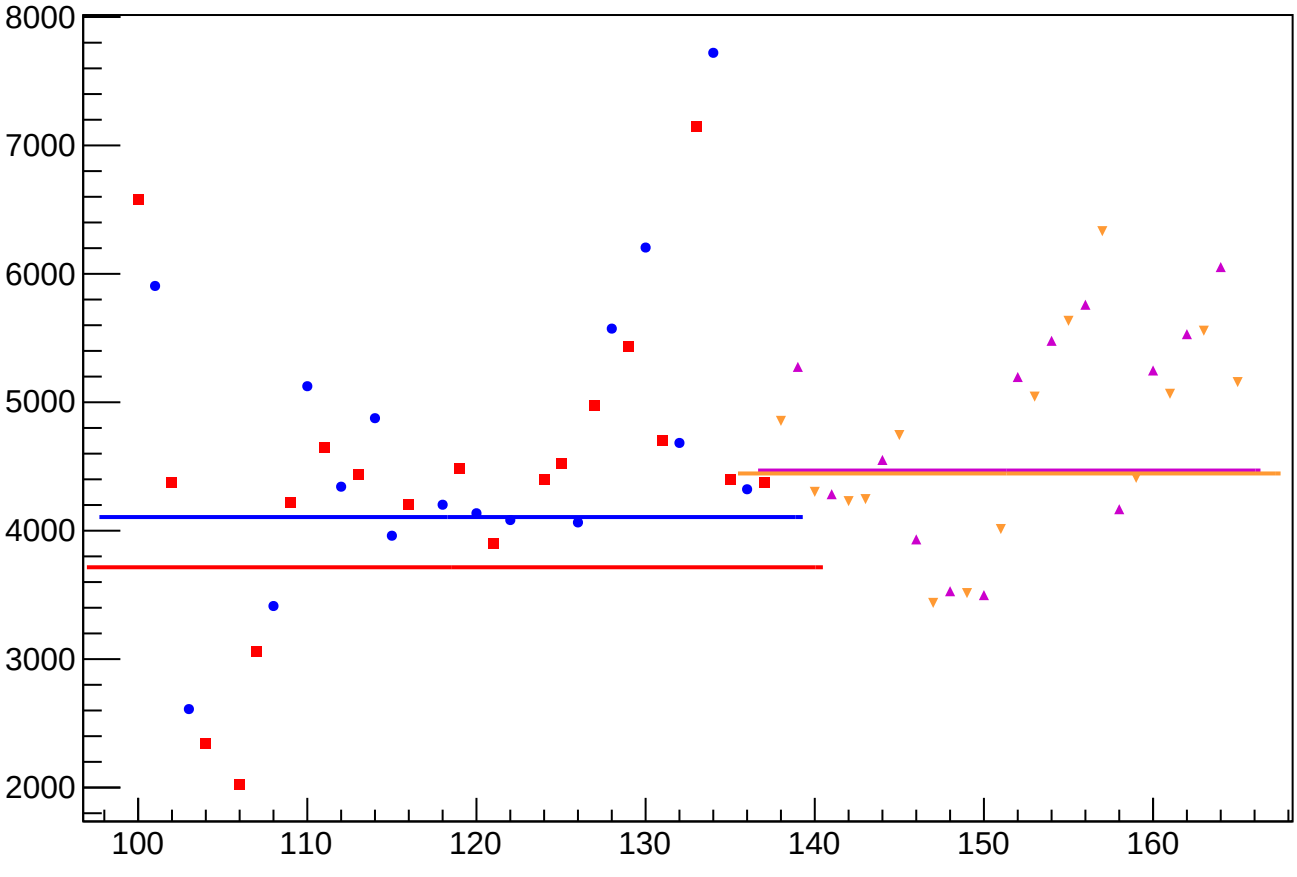
Left: 474.583+/-952.420 χ^2/NDF: 28.1/27

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 136.845+/-1039.207 χ^2/NDF:24.4/28

Out: -287.020+/-976.412 χ^2/NDF:35.9/33

All: -88.280+/-711.592 χ^2/NDF: 60.3/62



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4445.619+/-0.933 χ^2/NDF:656241.5/14

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

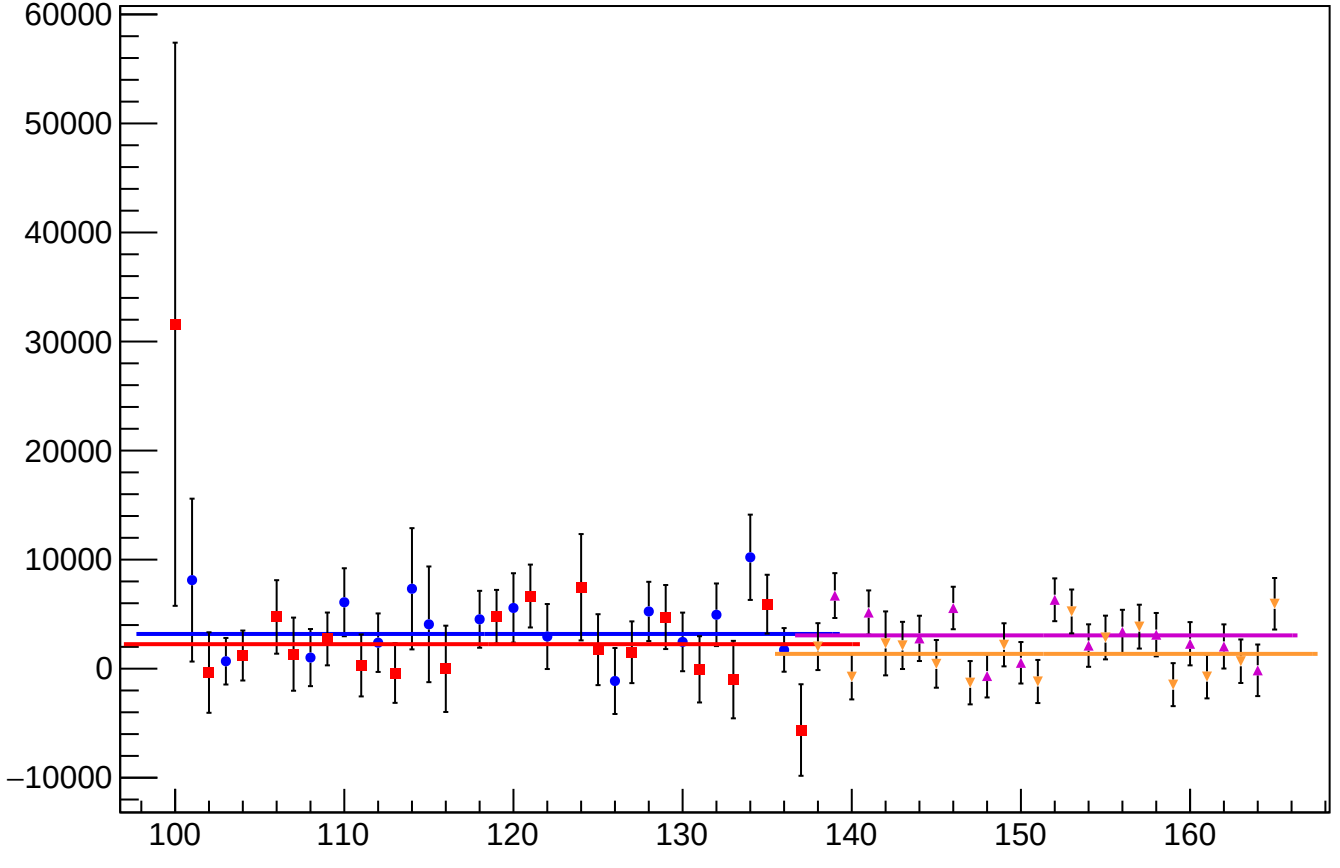
Left: 4456.564+/-0.673 χ^2/NDF: 1351328.4/27

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4312.835+/-0.735 χ^2/NDF:1709976.6/28

Out: 4115.109+/-0.690 χ^2/NDF:2268614.5/33

All: 4207.818+/-0.503 χ^2/NDF: 4017046.0/62



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.789+/-539.672 χ^2/NDF:18.0/14

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3052.951+/-558.268 χ^2/NDF:16.5/12

Left: 2176.149+/-388.013 χ^2/NDF: 39.3/27

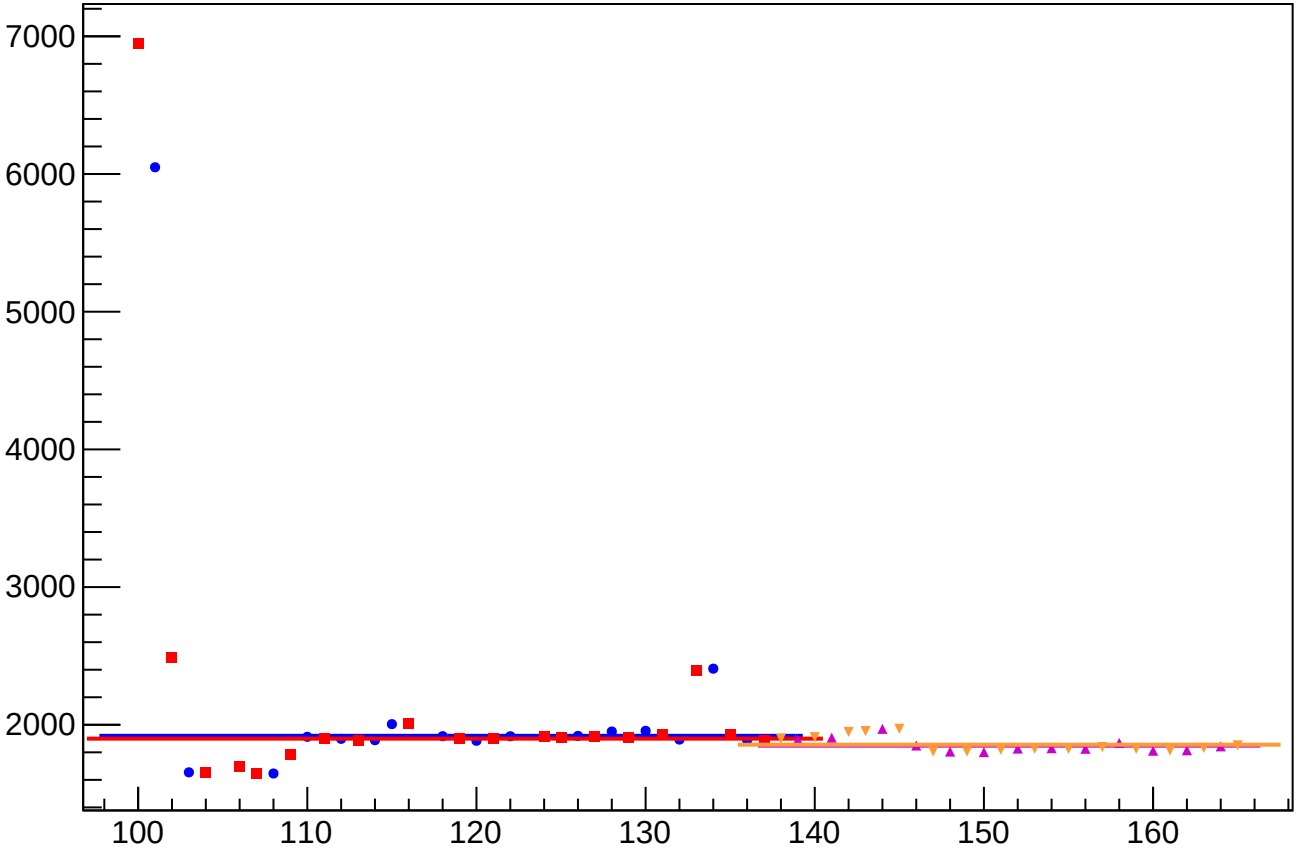
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3100.838+/-443.709 χ^2/NDF:28.2/28

Out: 1682.311+/-429.848 χ^2/NDF:35.5/33

All: 2369.072+/-308.732 χ^2/NDF: 69.0/62

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

Left: 1852.034+/-0.274 χ^2/NDF: 33727.8/27

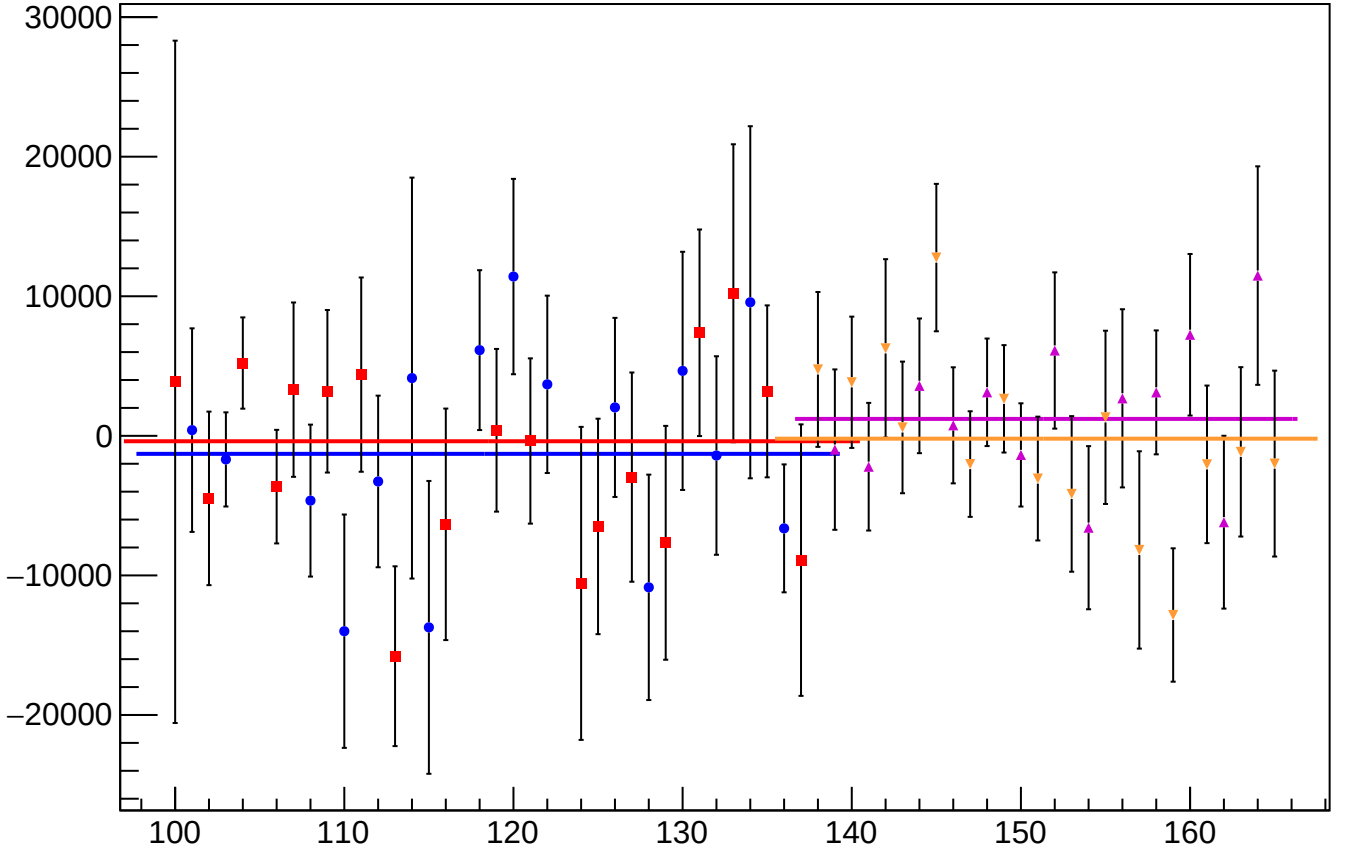
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.802+/-0.314 χ^2/NDF:723048.1/28

Out: 1871.434+/-0.304 χ^2/NDF:240407.9/33

All: 1873.064+/-0.218 χ^2/NDF: 963515.5/62

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -203.872+/-1319.591 χ^2/NDF:18.9/14

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1212.317+/-1376.032 χ^2/NDF:8.7/12

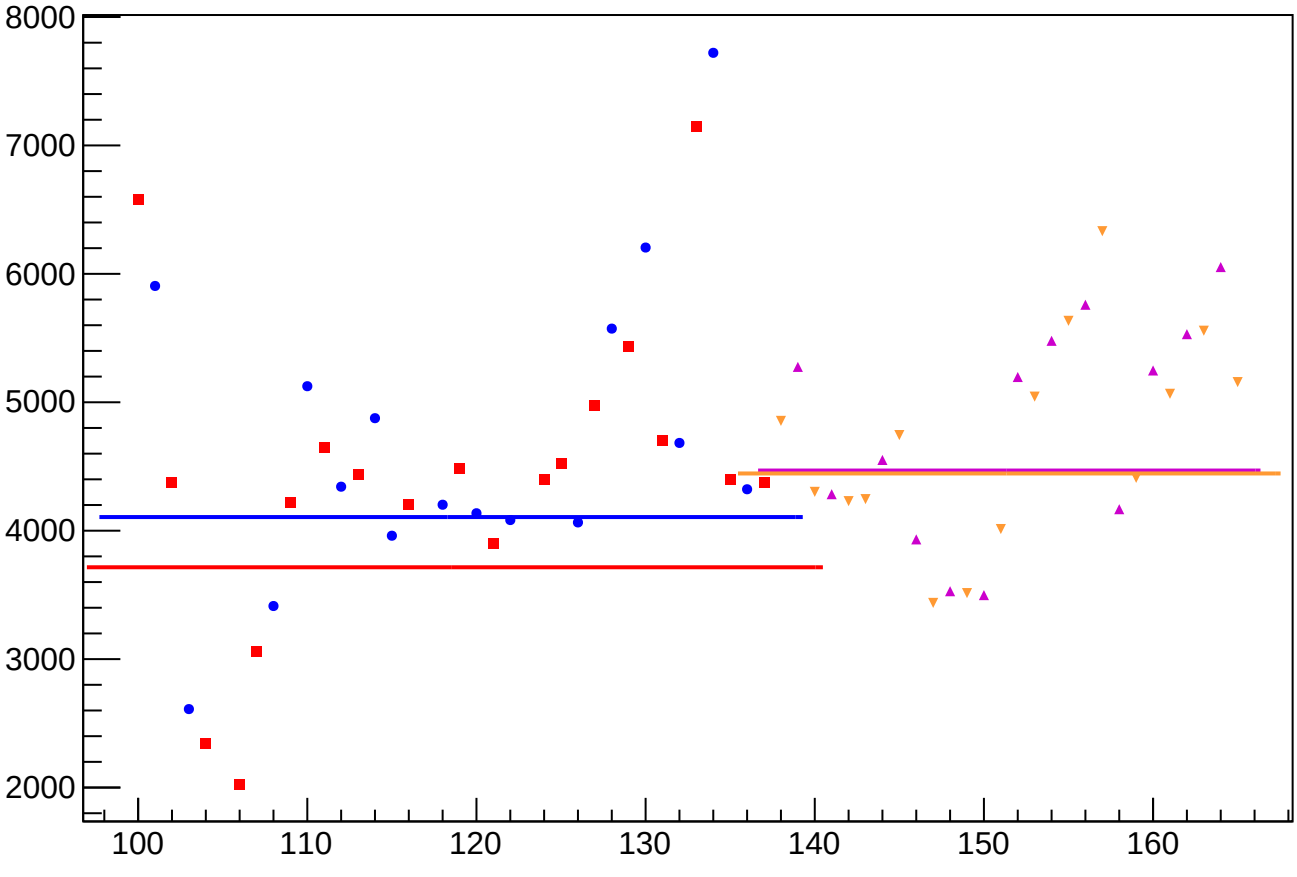
Left: 474.583+/-952.420 χ^2/NDF: 28.1/27

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 136.845+/-1039.207 χ^2/NDF:24.4/28

Out: -287.020+/-976.412 χ^2/NDF:35.9/33

All: -88.280+/-711.592 χ^2/NDF: 60.3/62



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4445.619+/-0.933 χ^2/NDF:656241.5/14

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

Left: 4456.564+/-0.673 χ^2/NDF: 1351328.4/27

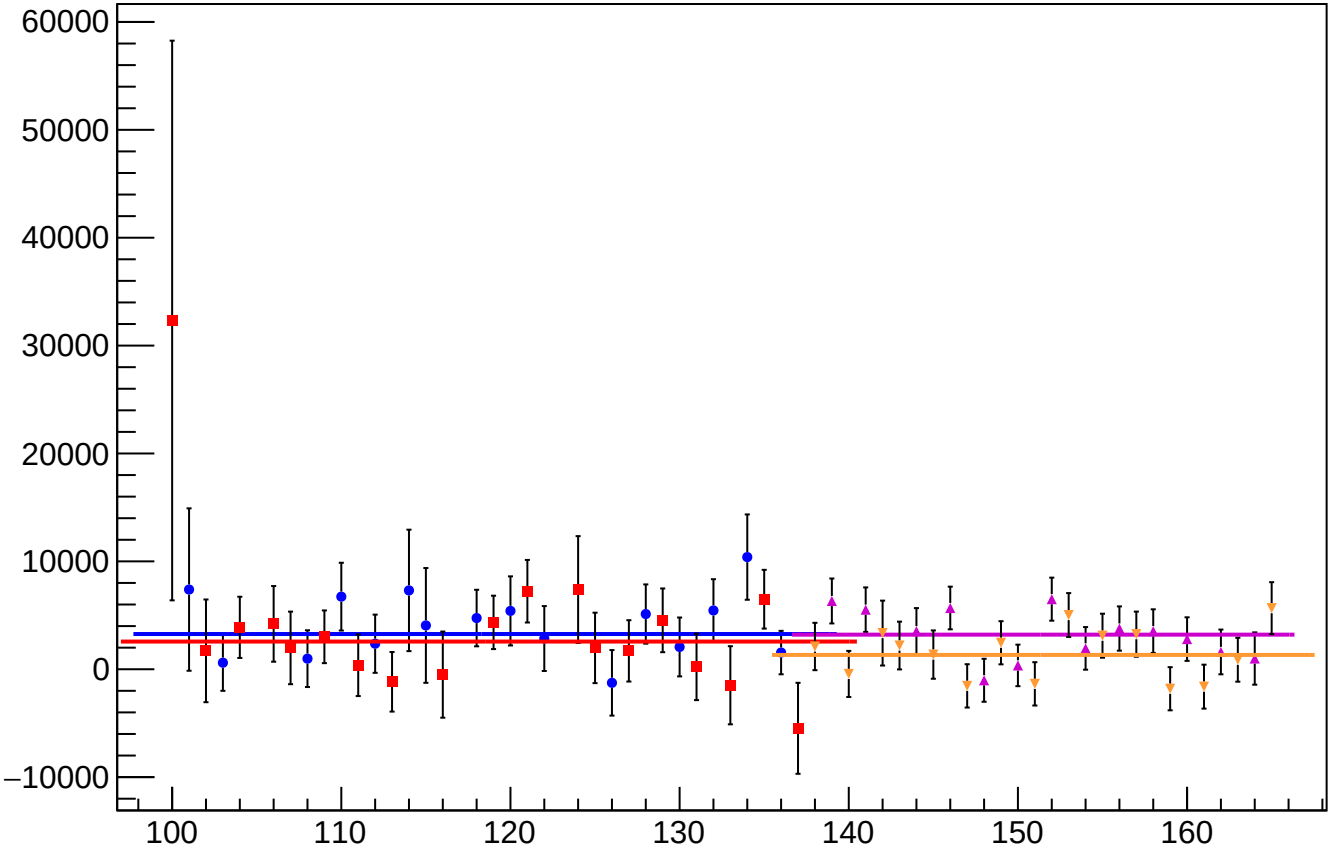
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4312.835+/-0.735 χ^2/NDF:1709976.6/28

Out: 4115.109+/-0.690 χ^2/NDF:2268614.5/33

All: 4207.818+/-0.503 χ^2/NDF: 4017046.0/62

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1326.496+/-550.316 χ^2/NDF:18.3/14

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3206.400+/-567.890 χ^2/NDF:16.5/12

Left: 2236.909+/-395.199 χ^2/NDF: 40.4/27

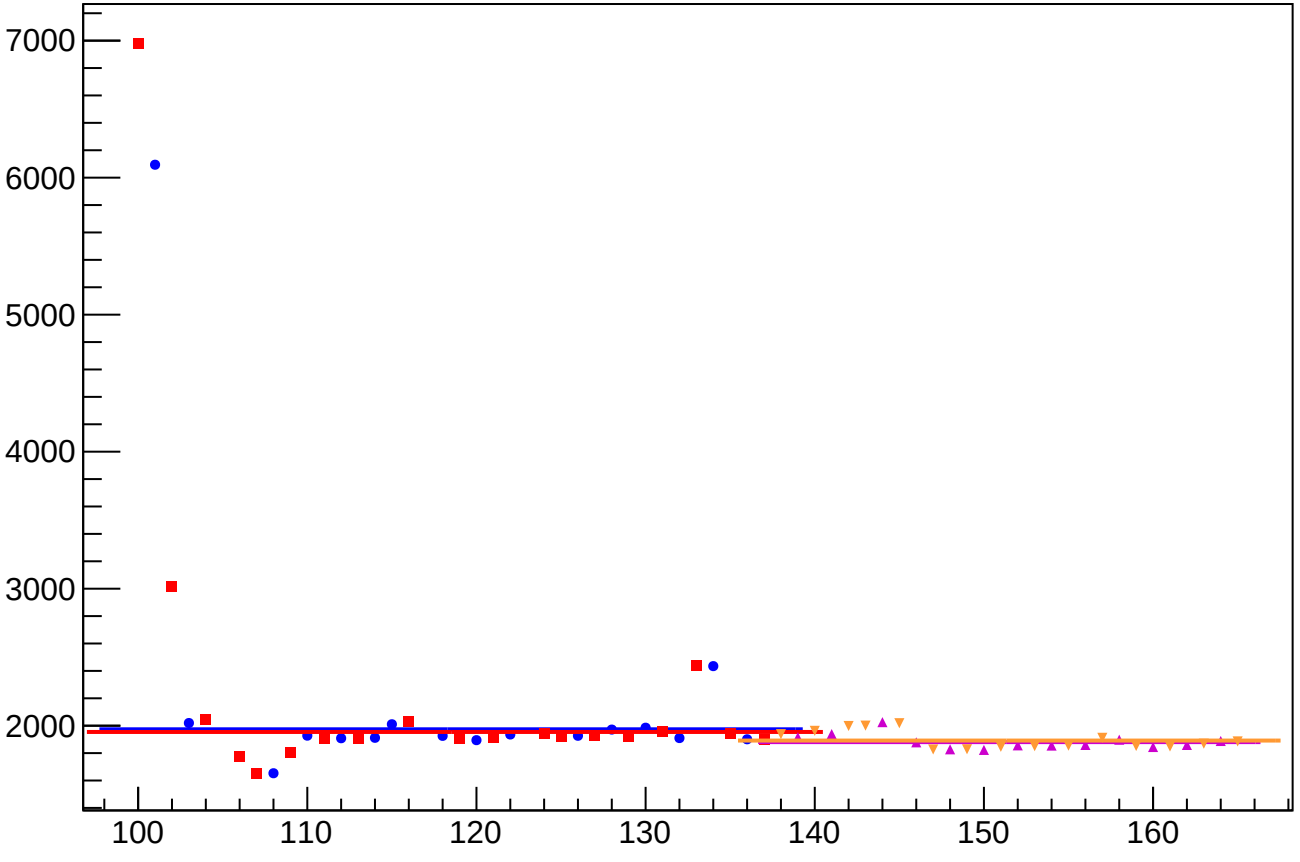
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3227.592+/-452.936 χ^2/NDF:28.7/28

Out: 1772.091+/-440.494 χ^2/NDF:37.1/33

All: 2479.577+/-315.783 χ^2/NDF: 71.1/62

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.567+/-0.389 χ^2/NDF:25600.9/14

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.241+/-0.402 χ^2/NDF:16473.7/12

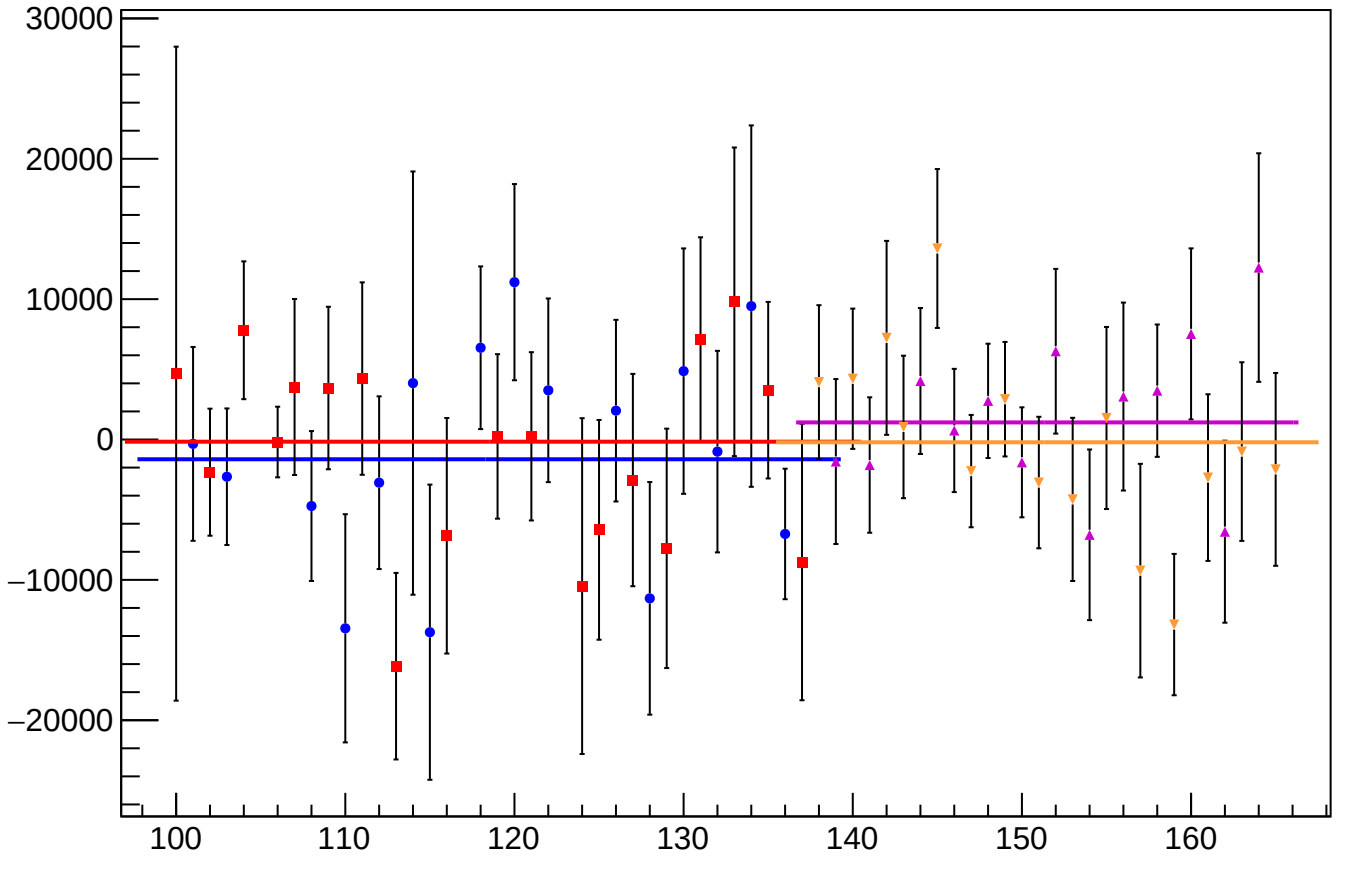
Left: 1886.082+/-0.279 χ^2/NDF: 42484.8/27

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1914.266+/-0.320 χ^2/NDF:701328.4/28

Out: 1914.146+/-0.311 χ^2/NDF:281172.3/33

All: 1914.204+/-0.223 χ^2/NDF: 982500.8/62



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -196.497+/-1391.193 χ^2/NDF:18.7/14

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1218.311+/-1450.353 χ^2/NDF:8.8/12

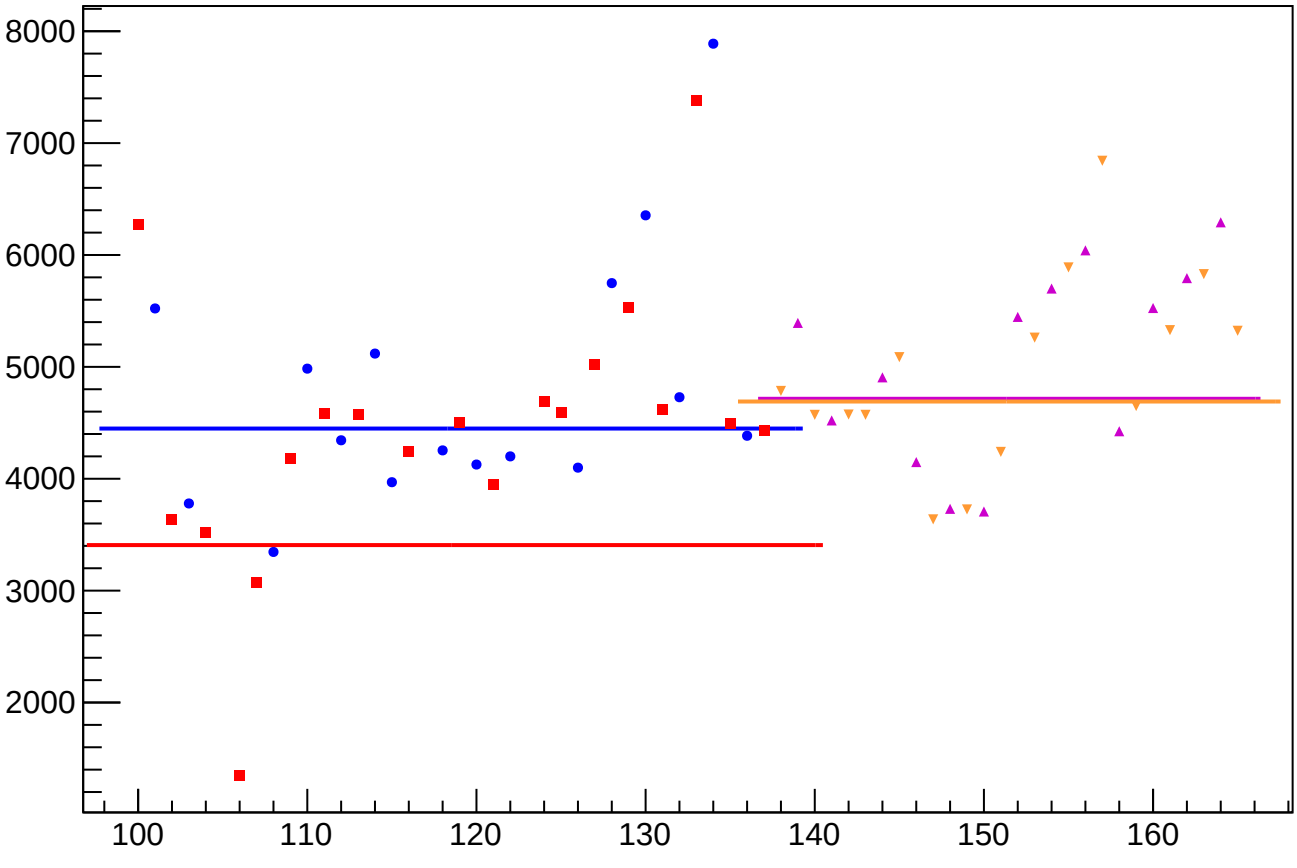
Left: 481.464+/-1003.985 χ^2/NDF: 28.0/27

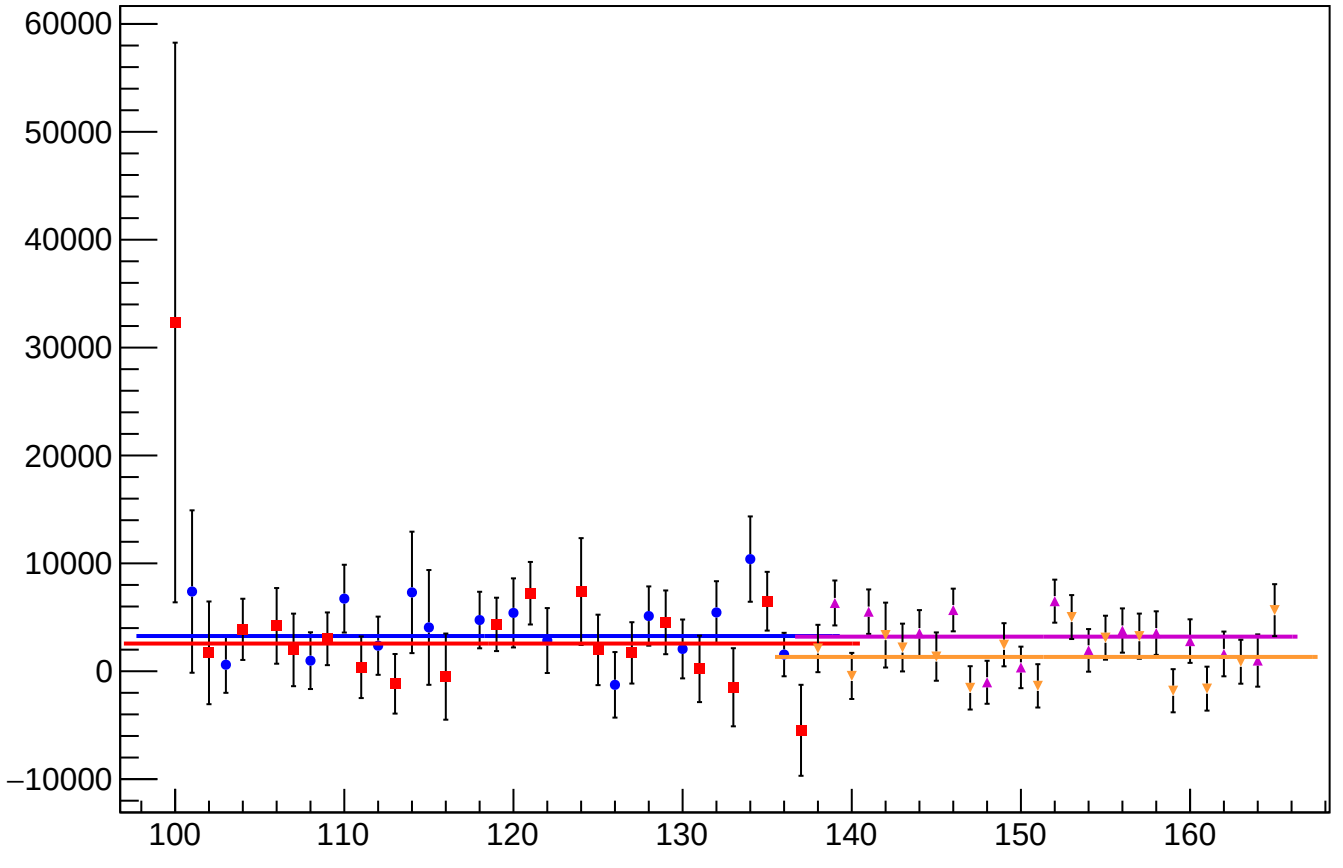
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: 104.668+/-1100.613 χ^2/NDF:24.4/28

Out: -175.472+/-973.835 χ^2/NDF:34.5/33

All: -52.459+/-729.328 χ^2/NDF: 58.9/62


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4690.357+/-0.984 χ²/NDF:633721.8/14
Right Out: 3407.128+/-0.964 χ²/NDF: 2326060.4/18
Left In: 4714.660+/-1.026 χ²/NDF:650187.4/12
Left: 4702.003+/-0.710 χ²/NDF: 1284201.7/27
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4601.862+/-0.778 χ²/NDF:1173323.1/28
Out: 4035.910+/-0.689 χ²/NDF:3827610.3/33
All: 4284.427+/-0.516 χ²/NDF: 5297549.6/62



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1326.486+/-550.316 χ^2/NDF:18.3/14

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3206.403+/-567.891 χ^2/NDF:16.5/12

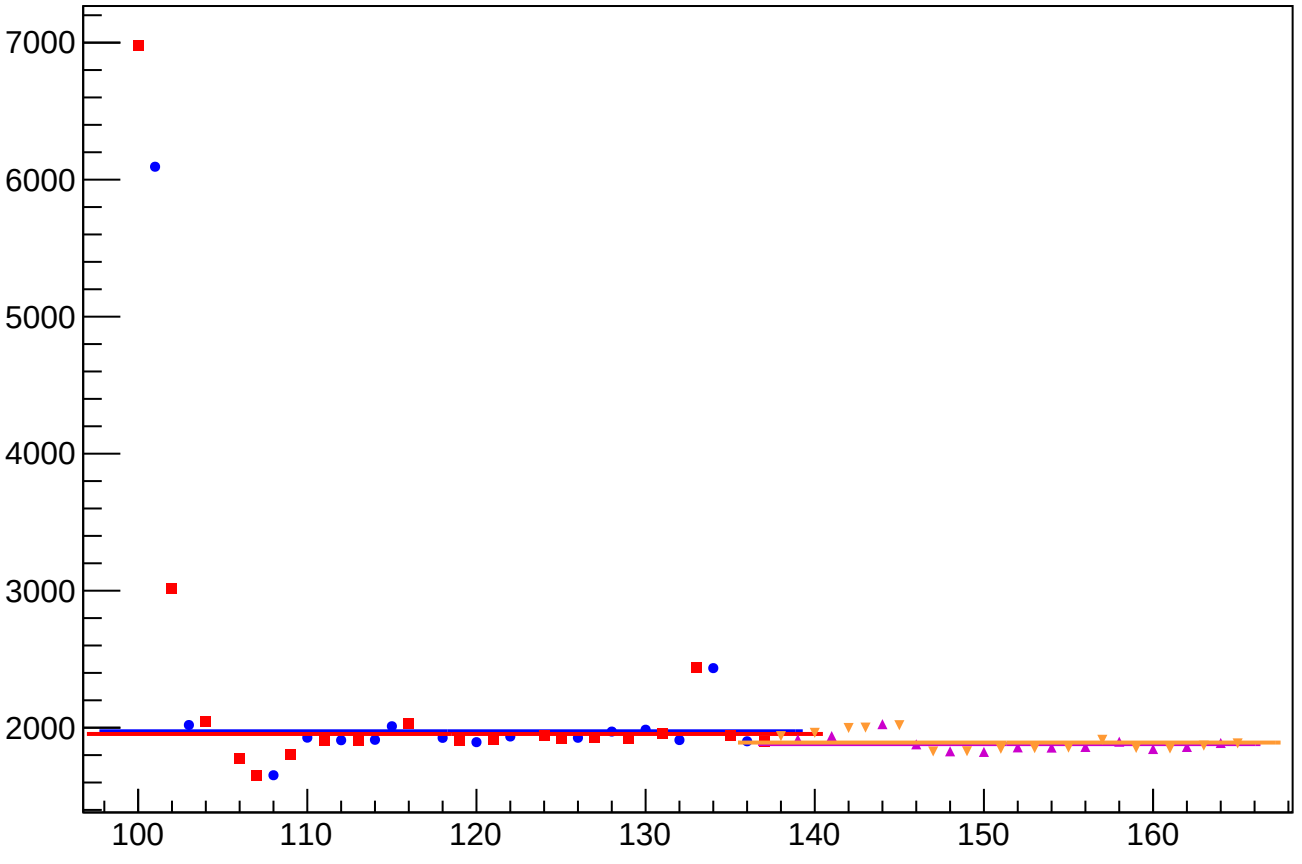
Left: 2236.905+/-395.199 χ^2/NDF: 40.4/27

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3227.595+/-452.936 χ^2/NDF:28.7/28

Out: 1772.087+/-440.494 χ^2/NDF:37.1/33

All: 2479.577+/-315.783 χ^2/NDF: 71.1/62



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.568+/-0.389 χ^2/NDF:25601.0/14

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.242+/-0.402 χ^2/NDF:16473.6/12

Left: 1886.083+/-0.279 χ^2/NDF: 42484.9/27

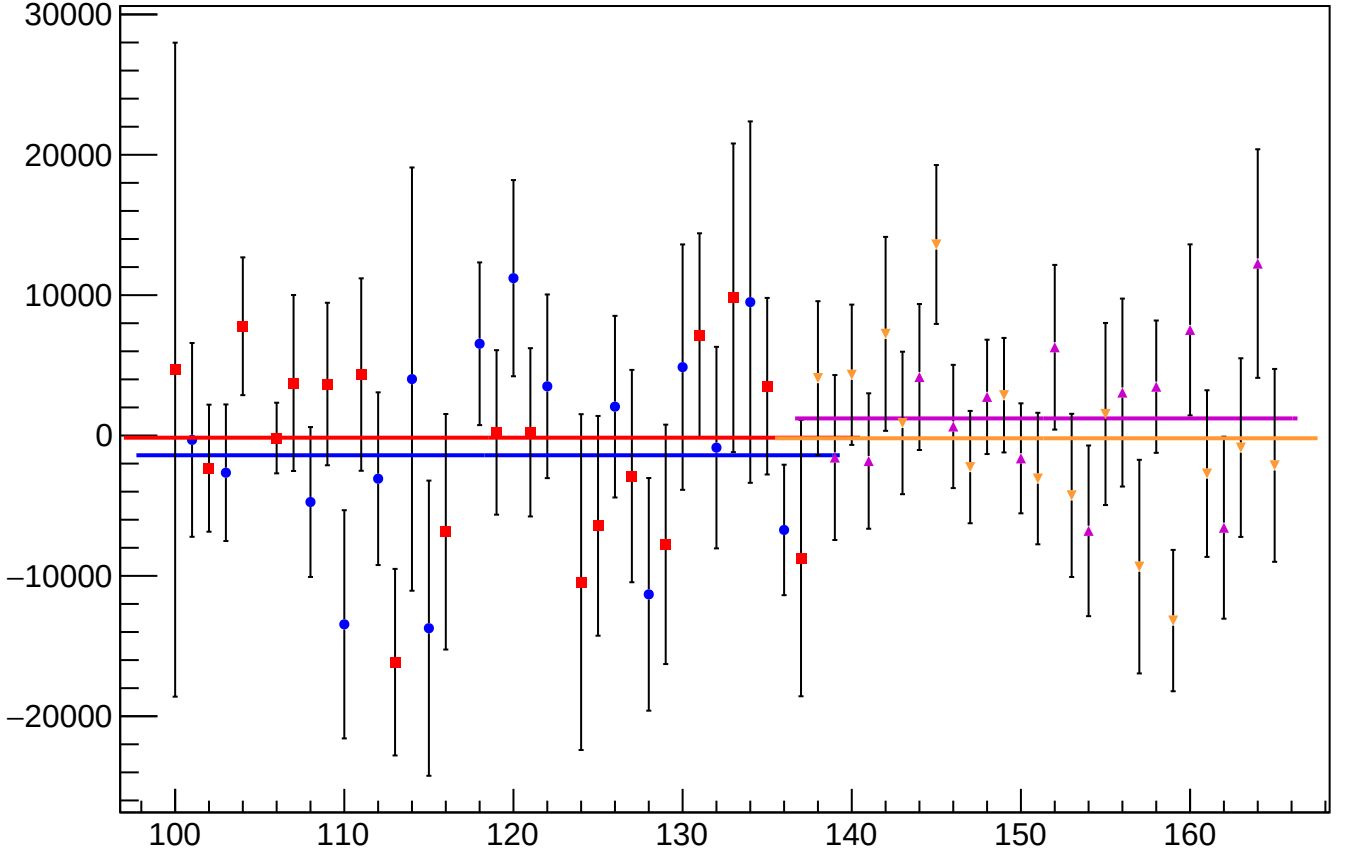
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1914.266+/-0.320 χ^2/NDF:701327.9/28

Out: 1914.147+/-0.311 χ^2/NDF:281171.5/33

All: 1914.205+/-0.223 χ^2/NDF: 982499.4/62

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -196.502+/-1391.195 χ^2/NDF:18.7/14

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 1218.309+/-1450.355 χ^2/NDF:8.8/12

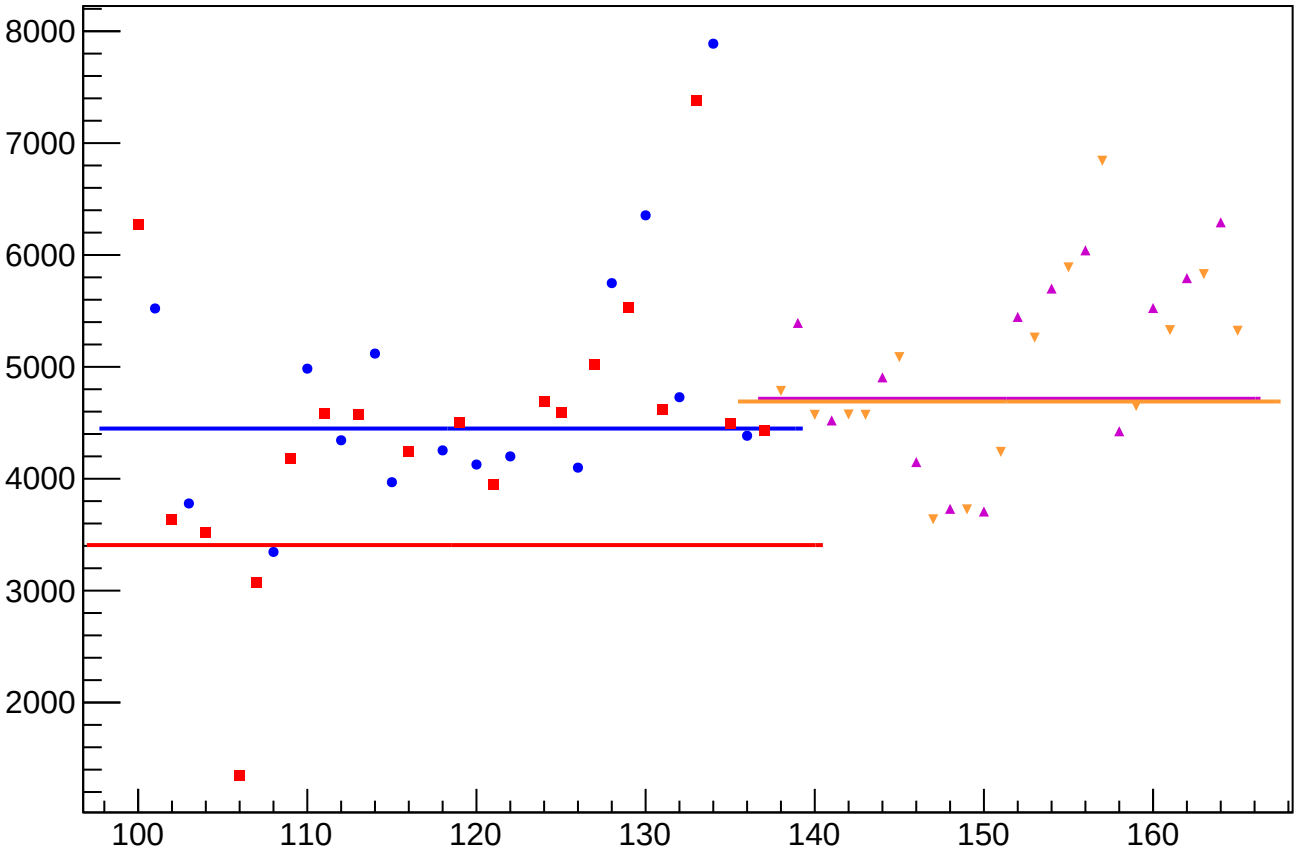
Left: 481.460+/-1003.987 χ^2/NDF: 28.0/27

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

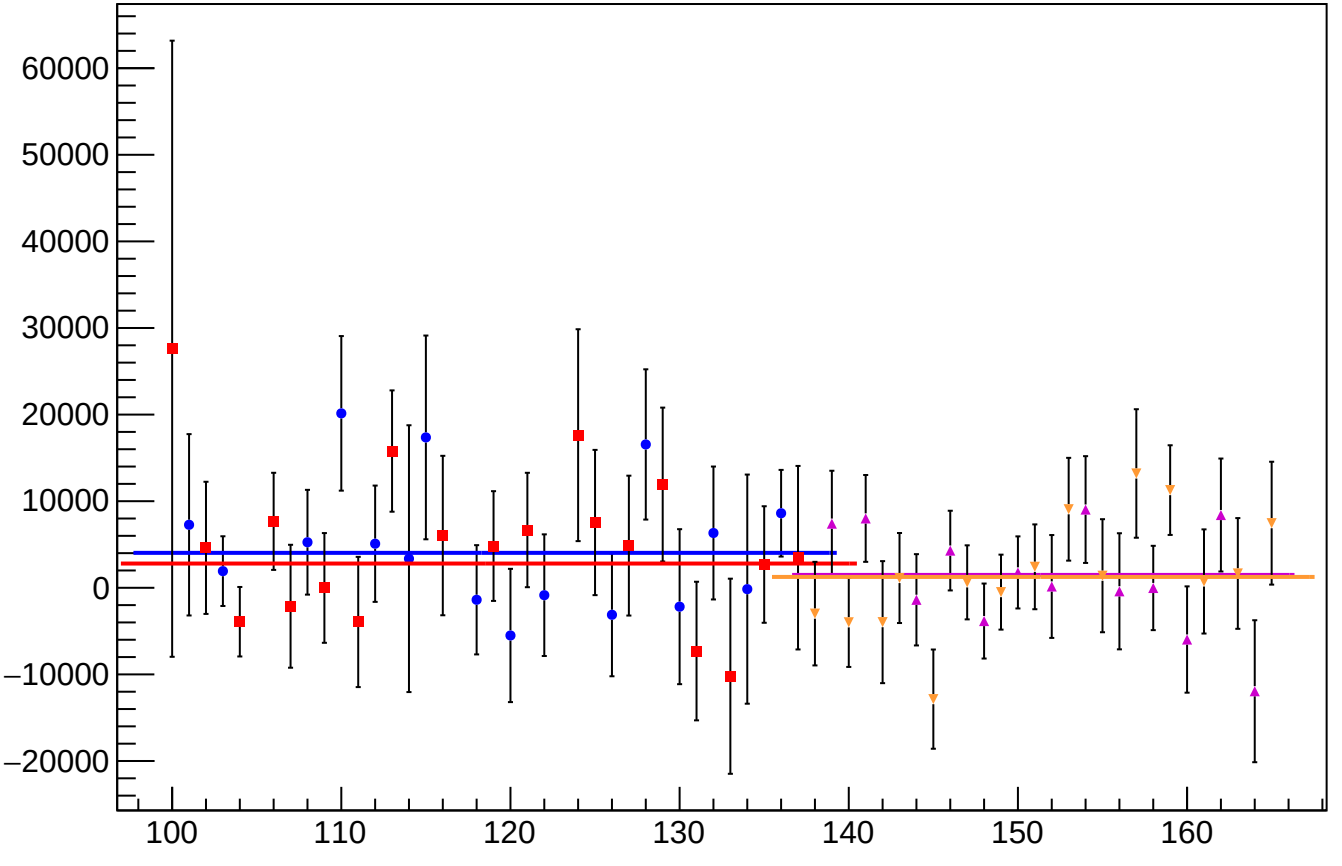
In: 104.671+/-1100.614 χ^2/NDF:24.4/28

Out: -175.475+/-973.835 χ^2/NDF:34.5/33

All: -52.459+/-729.328 χ^2/NDF: 58.9/62


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
Right In: 4448.704+/-1.195 χ²/NDF: 494610.6/15
Left Out: 4690.364+/-0.984 χ²/NDF:633722.2/14
Right Out: 3407.120+/-0.964 χ²/NDF: 2326064.2/18
Left In: 4714.667+/-1.026 χ²/NDF:650186.7/12
Left: 4702.010+/-0.710 χ²/NDF: 1284201.4/27
Right: 3817.853+/-0.750 χ²/NDF: 3280809.4/34
In: 4601.863+/-0.778 χ²/NDF:1173322.6/28
Out: 4035.907+/-0.689 χ²/NDF:3827635.9/33
All: 4284.426+/-0.516 χ²/NDF: 5297578.5/62

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1254.412+/-1439.887 χ^2/NDF:17.2/14

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1486.634+/-1499.130 χ^2/NDF:11.8/12

Left: 1365.844+/-1038.466 χ^2/NDF: 29.1/27

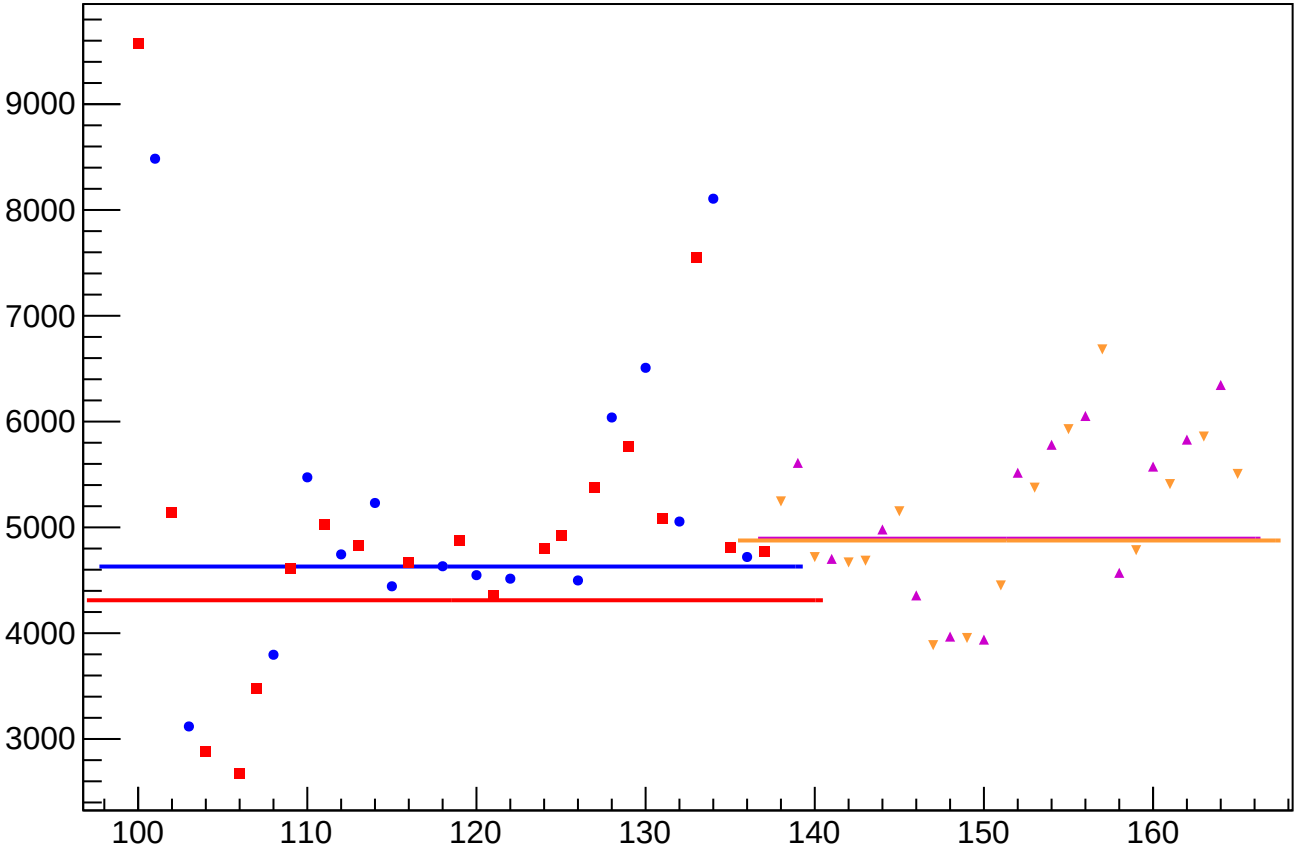
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2542.542+/-1147.185 χ^2/NDF:25.4/28

Out: 1912.849+/-1091.032 χ^2/NDF:33.2/33

All: 2211.907+/-790.583 χ^2/NDF: 58.7/62

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4876.144+/-1.018 χ^2/NDF:495293.3/14

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4893.204+/-1.060 χ^2/NDF:515389.1/12

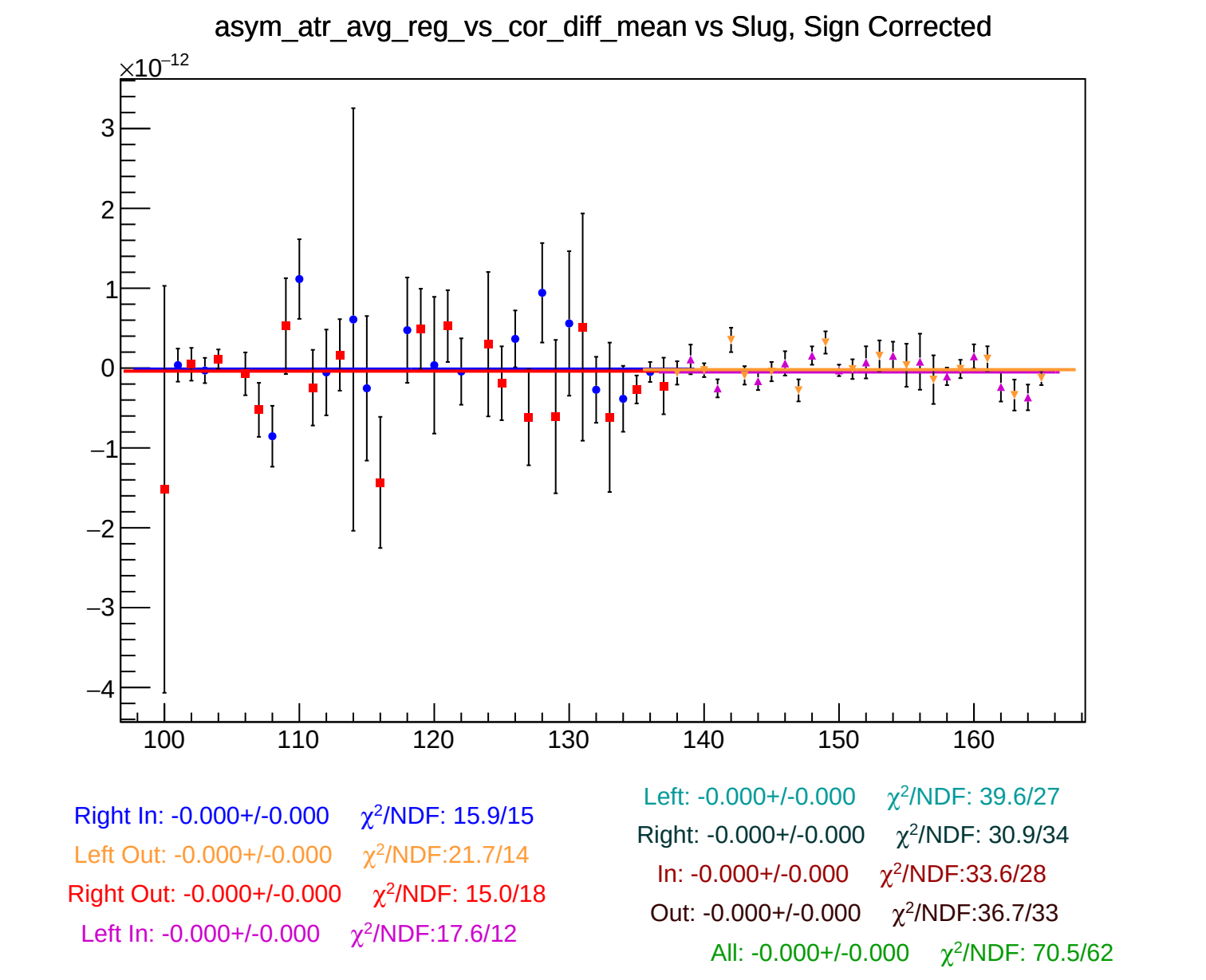
Left: 4884.331+/-0.734 χ^2/NDF: 1010817.1/27

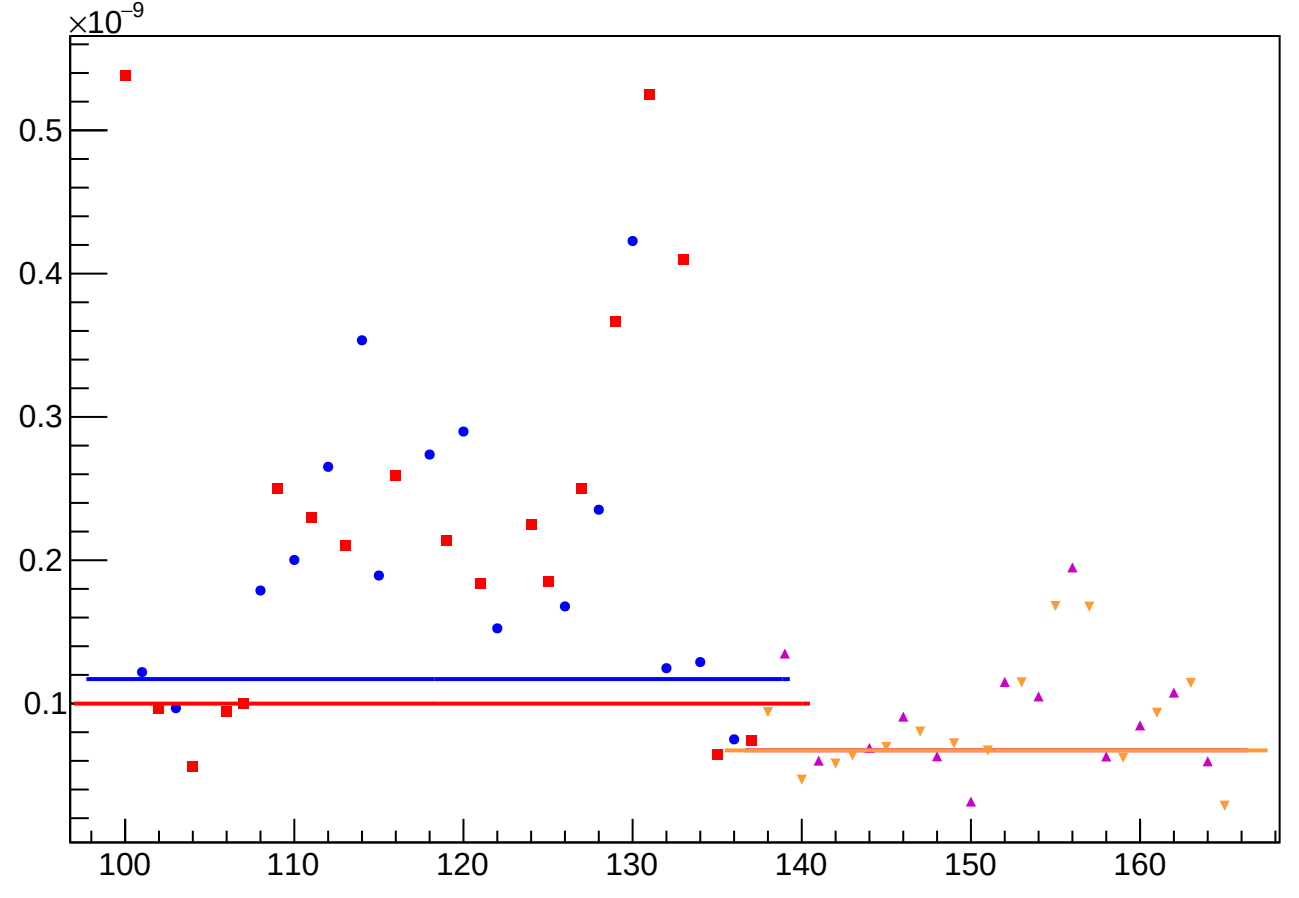
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4784.115+/-0.811 χ^2/NDF:1441190.9/28

Out: 4633.161+/-0.769 χ^2/NDF:1532446.3/33

All: 4704.573+/-0.558 χ^2/NDF: 2991884.5/62


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
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:21.7/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:17.6/12
Left: -0.000+/-0.000 χ²/NDF: 39.6/27
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:33.6/28
Out: -0.000+/-0.000 χ²/NDF:36.7/33
All: -0.000+/-0.000 χ²/NDF: 70.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1363731.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1417326.2/12

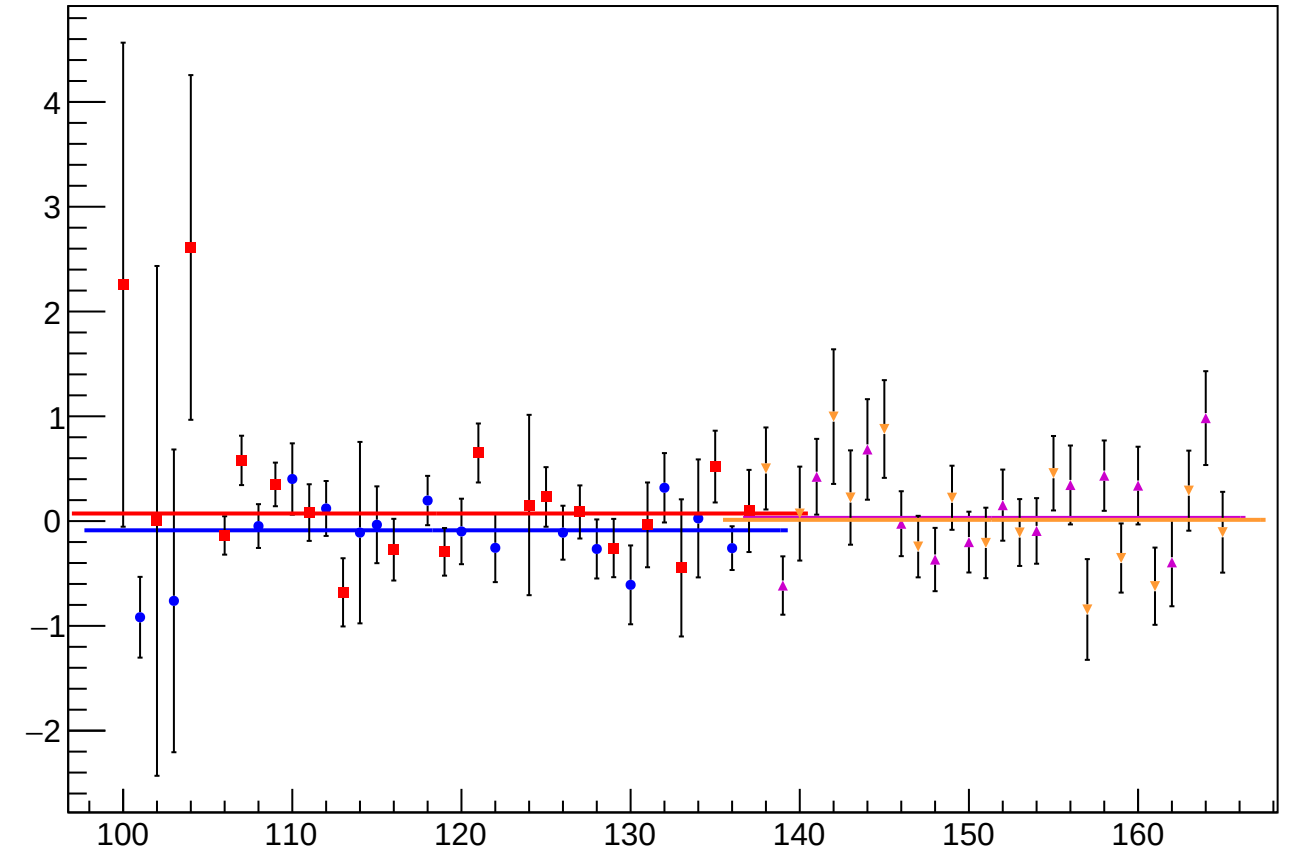
Left: 0.000+/-0.000 χ^2/NDF: 2781072.5/27

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3220662.4/28

Out: 0.000+/-0.000 χ^2/NDF:3538025.6/33

All: 0.000+/-0.000 χ^2/NDF: 6770901.9/62



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

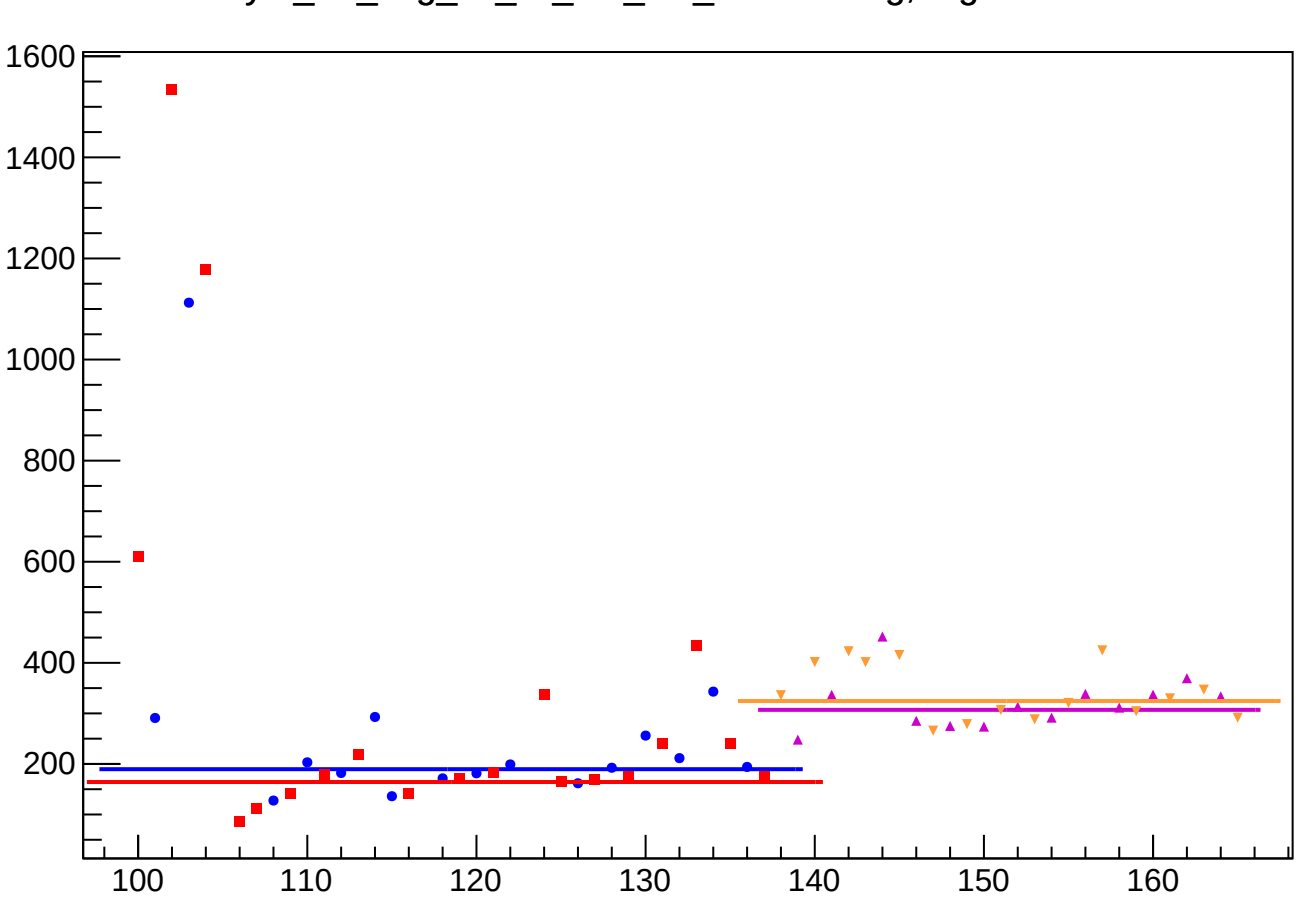
Left: 0.021+/-0.068 χ^2/NDF: 38.4/27

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.008+/-0.041 χ^2/NDF: 83.4/62



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.477+/-0.068 χ^2/NDF:514675.5/14

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

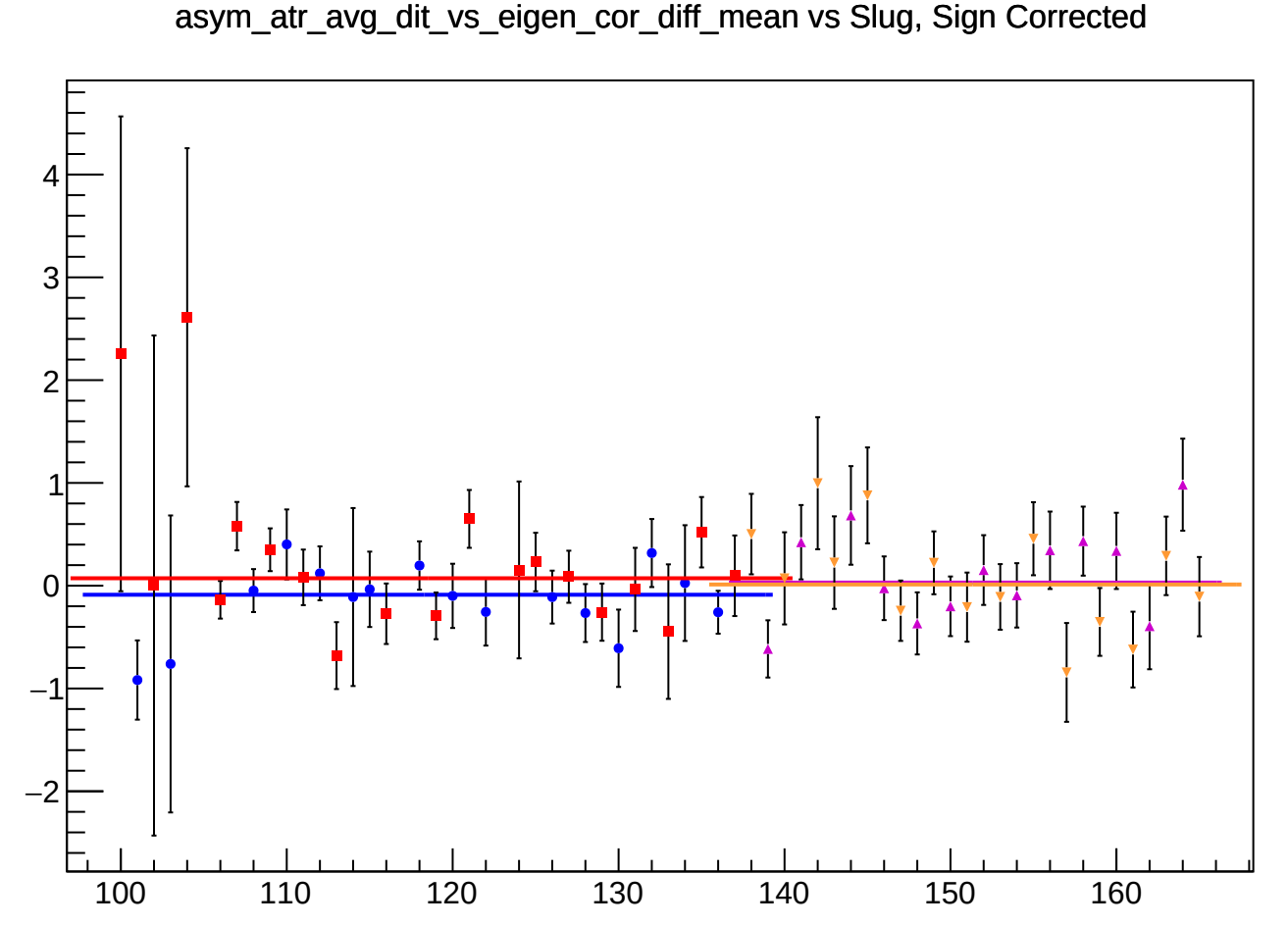
Left: 315.578+/-0.048 χ^2/NDF: 976121.3/27

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 236.024+/-0.042 χ^2/NDF:3741884.5/28

Out: 219.329+/-0.040 χ^2/NDF:6755627.7/33

All: 227.250+/-0.029 χ^2/NDF: 10579708.2/62



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

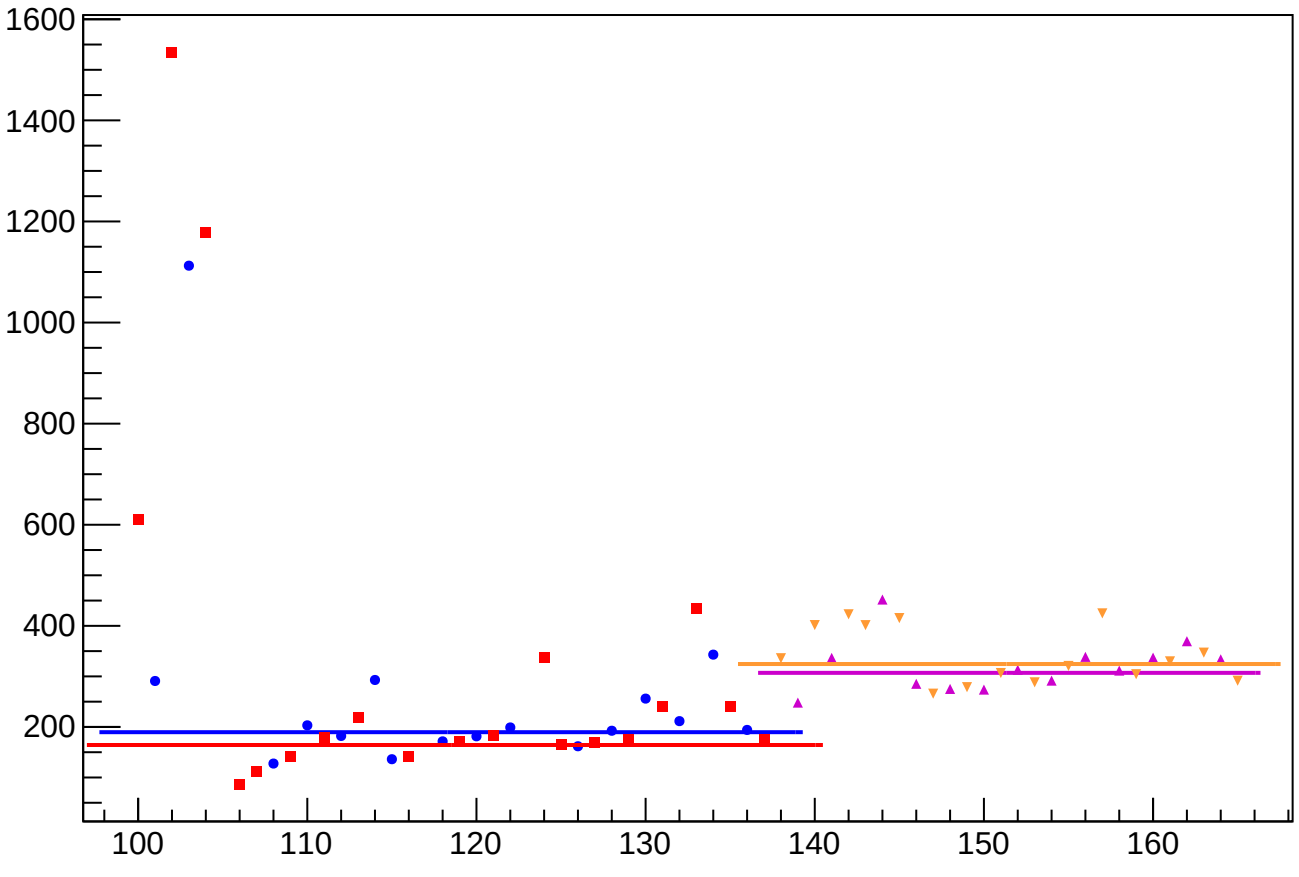
Left: 0.021+/-0.068 χ^2/NDF: 38.4/27

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.008+/-0.041 χ^2/NDF: 83.4/62



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.477+/-0.068 χ^2/NDF:514675.5/14

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

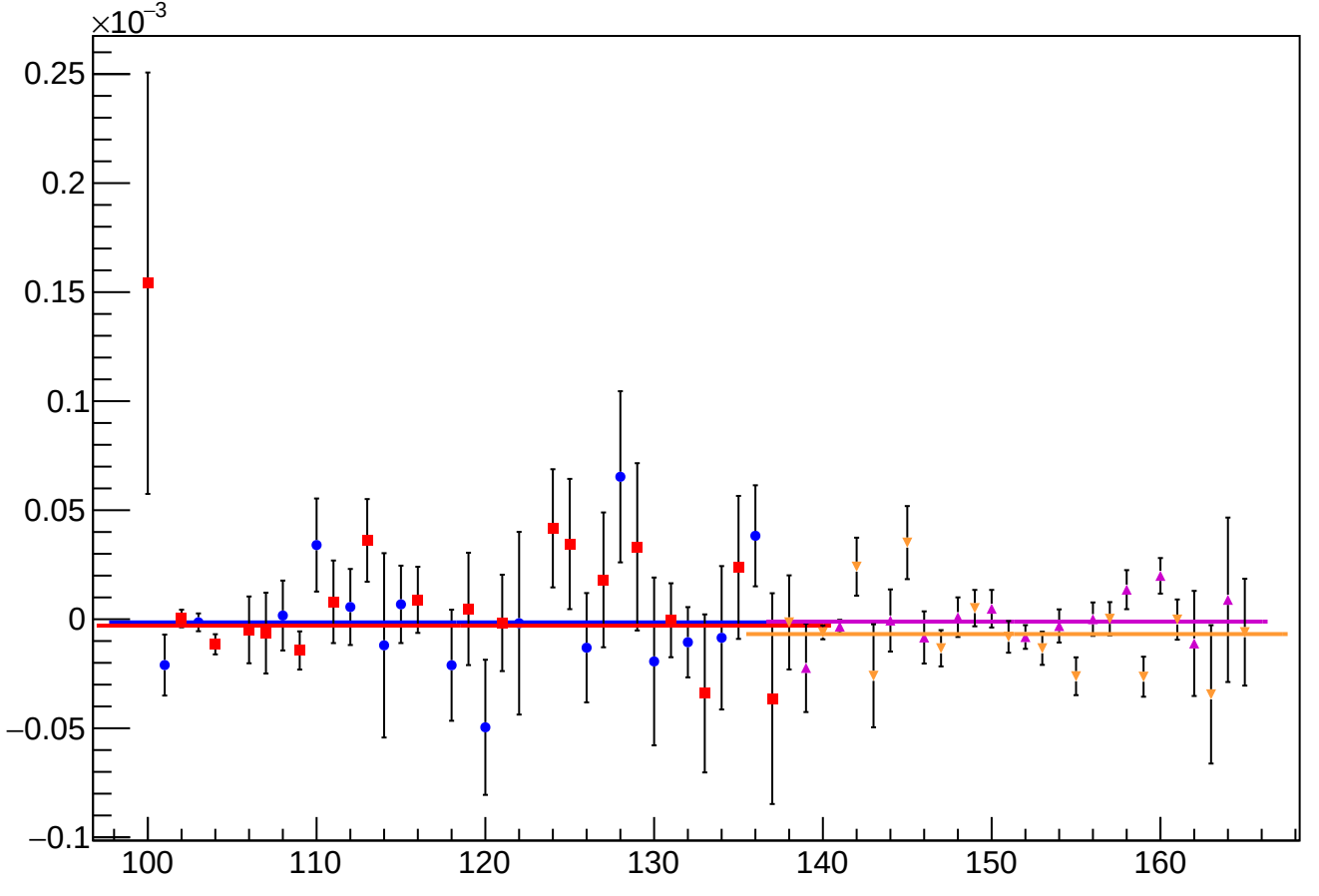
Left: 315.578+/-0.048 χ^2/NDF: 976121.3/27

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 236.024+/-0.042 χ^2/NDF:3741884.5/28

Out: 219.329+/-0.040 χ^2/NDF:6755627.7/33

All: 227.250+/-0.029 χ^2/NDF: 10579708.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/12

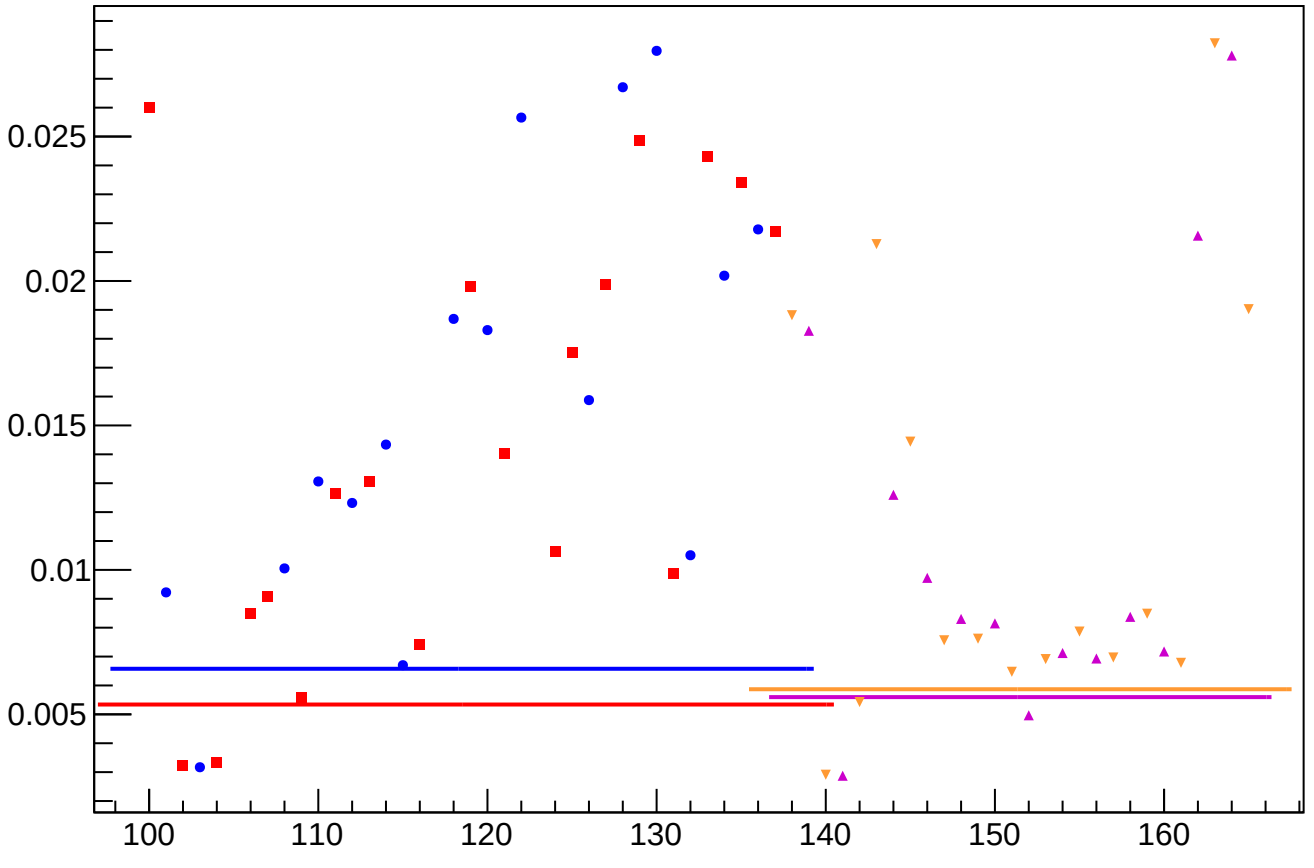
Left: -0.000+/-0.000 χ^2/NDF: 45.3/27

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:28.7/28

Out: -0.000+/-0.000 χ^2/NDF:50.2/33

All: -0.000+/-0.000 χ^2/NDF: 81.9/62



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:5956680.5/14

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:5448785.7/12

Left: 0.006+/-0.000 χ^2/NDF: 11423250.9/27

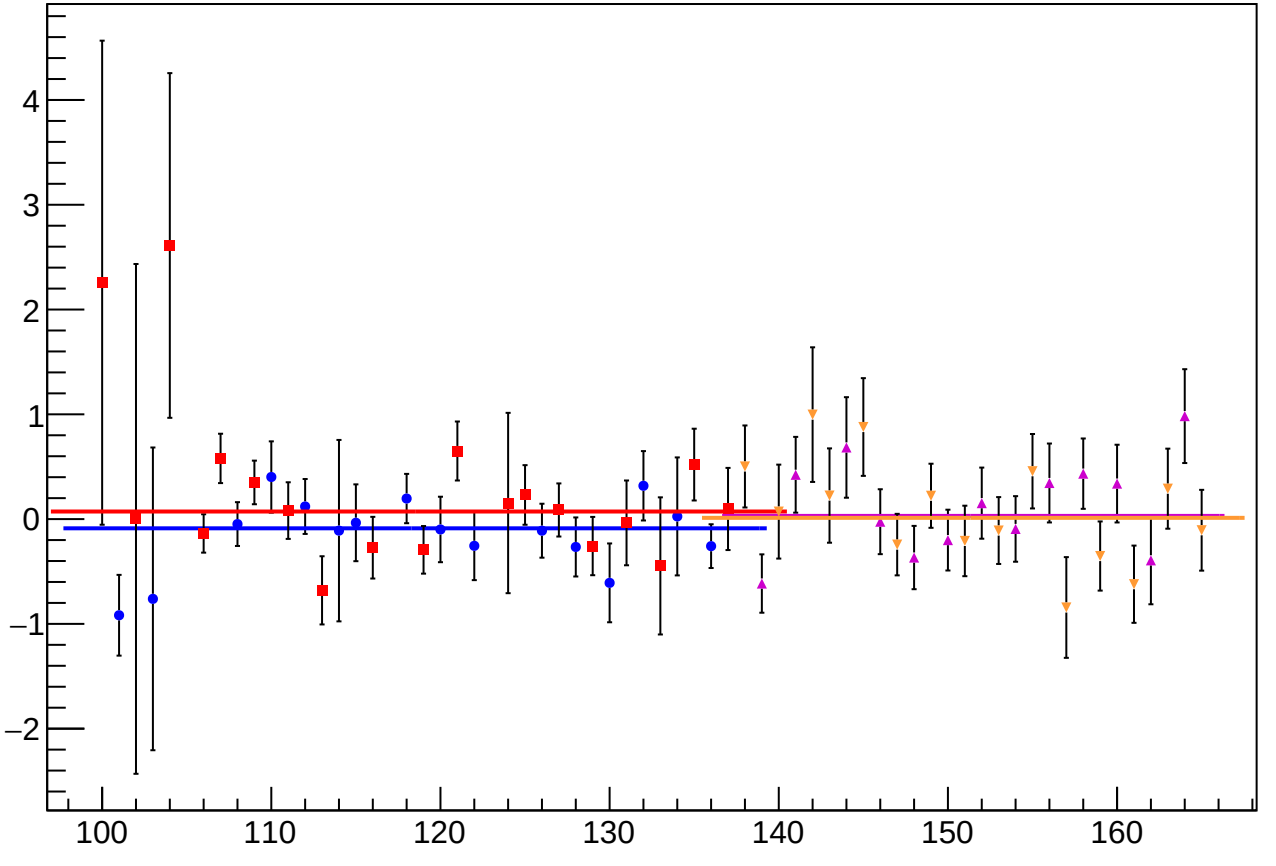
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:11504571.6/28

Out: 0.006+/-0.000 χ^2/NDF:11694214.9/33

All: 0.006+/-0.000 χ^2/NDF: 23213393.5/62

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

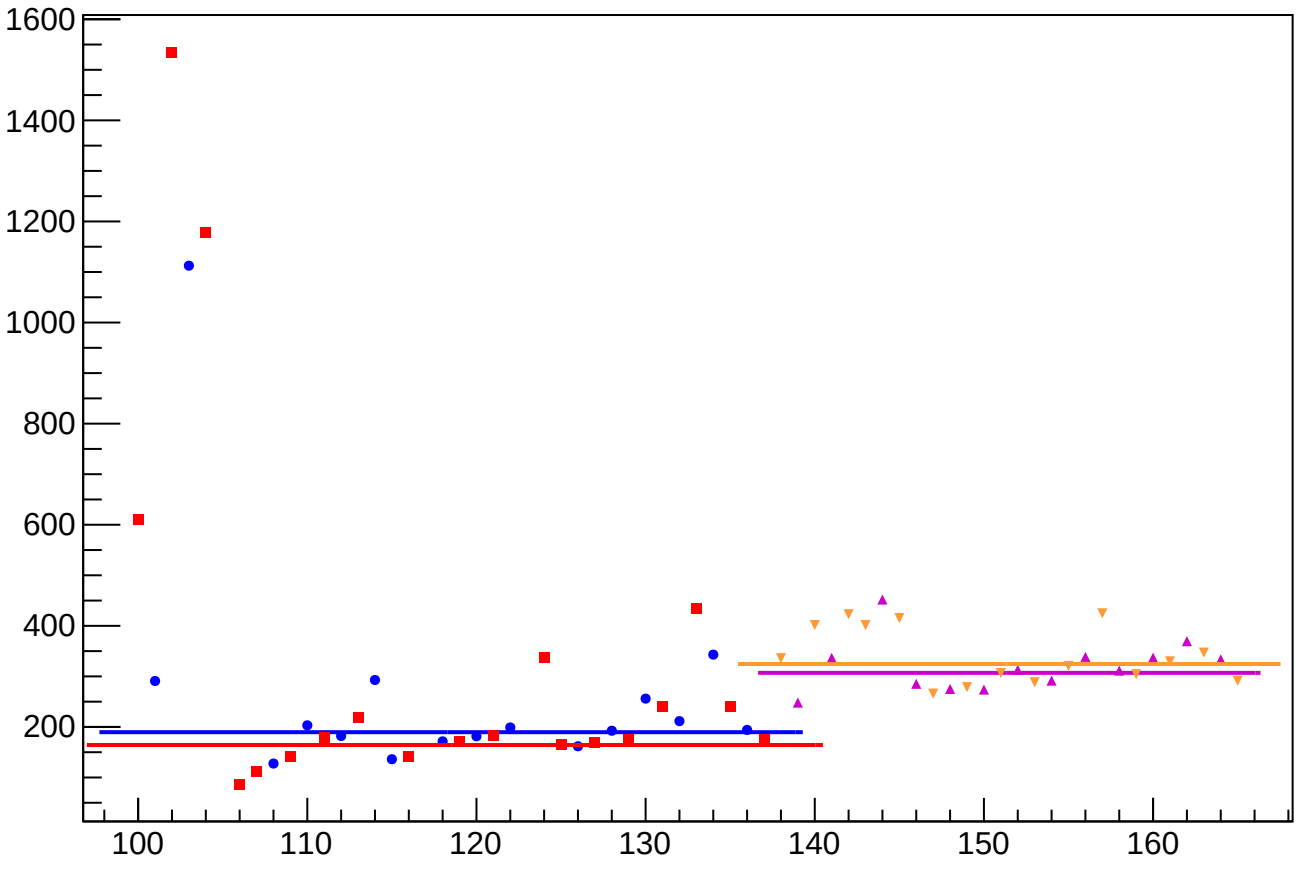
Left: 0.021+/-0.068 χ^2/NDF: 38.4/27

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.008+/-0.041 χ^2/NDF: 83.4/62



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.482+/-0.068 χ^2/NDF:514664.6/14

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

Left: 315.583+/-0.048 χ^2/NDF: 976108.1/27

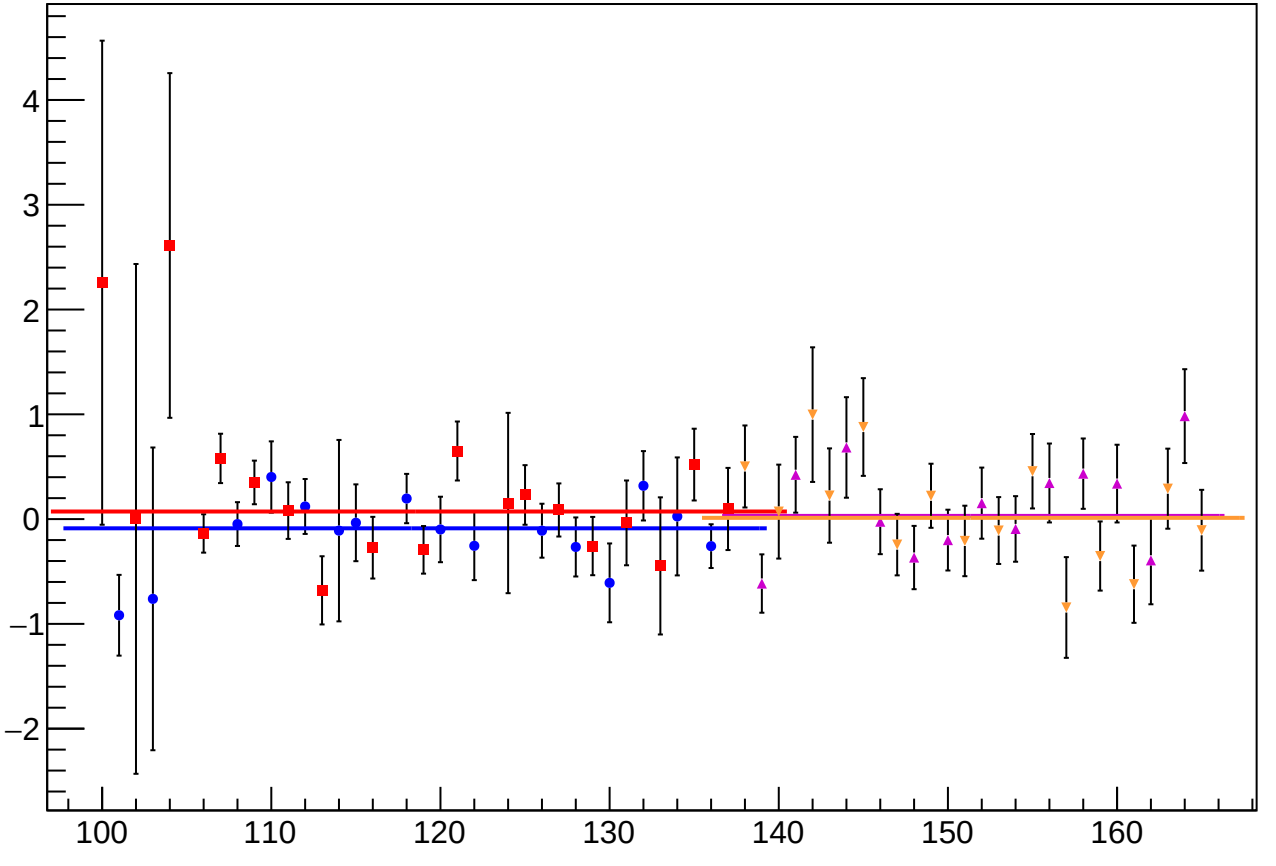
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 236.024+/-0.042 χ^2/NDF:3742003.2/28

Out: 219.329+/-0.040 χ^2/NDF:6755798.6/33

All: 227.250+/-0.029 χ^2/NDF: 10580002.5/62

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: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

Left: 0.021+/-0.068 χ^2/NDF: 38.4/27

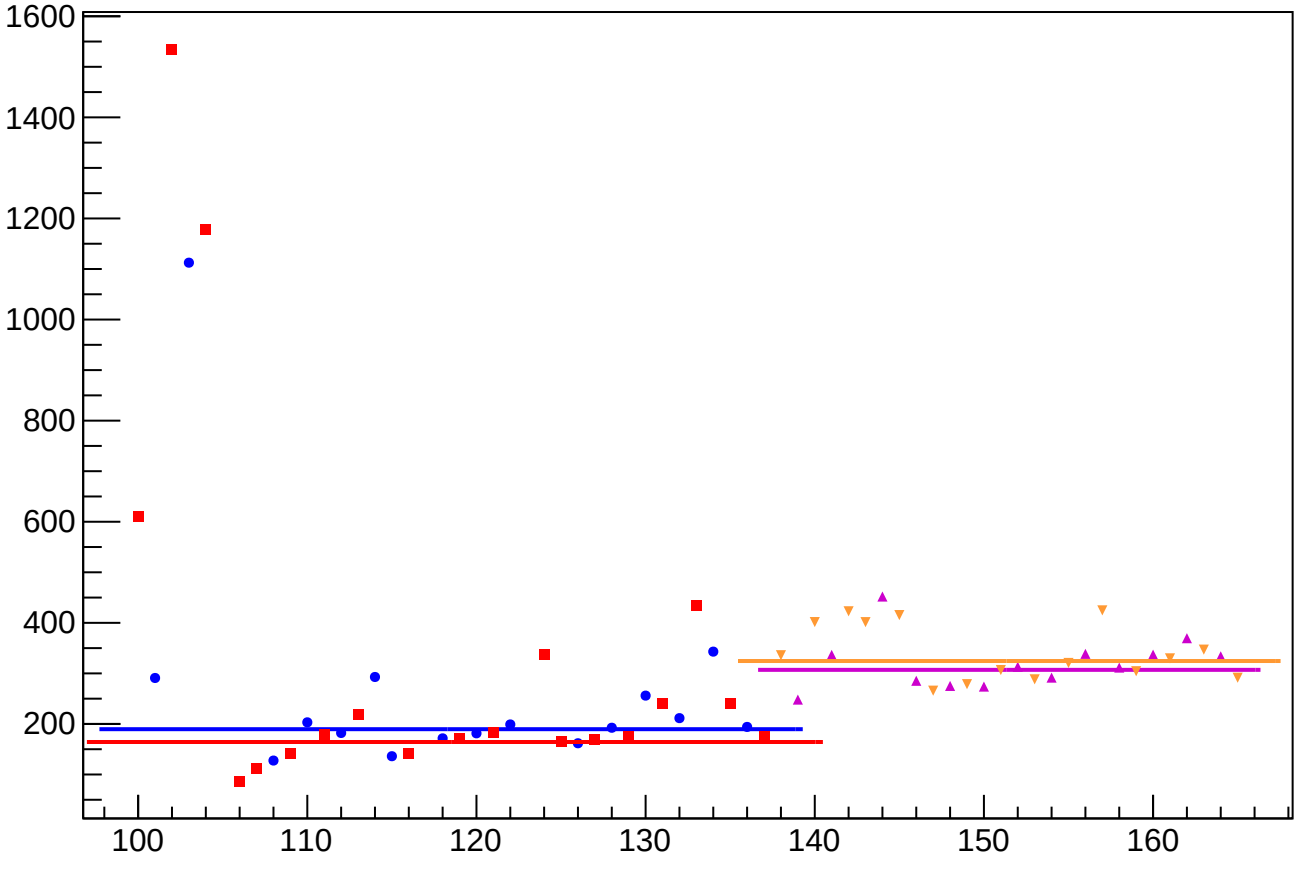
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.008+/-0.041 χ^2/NDF: 83.4/62

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: 324.482+/-0.068 χ^2/NDF:514664.6/14

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

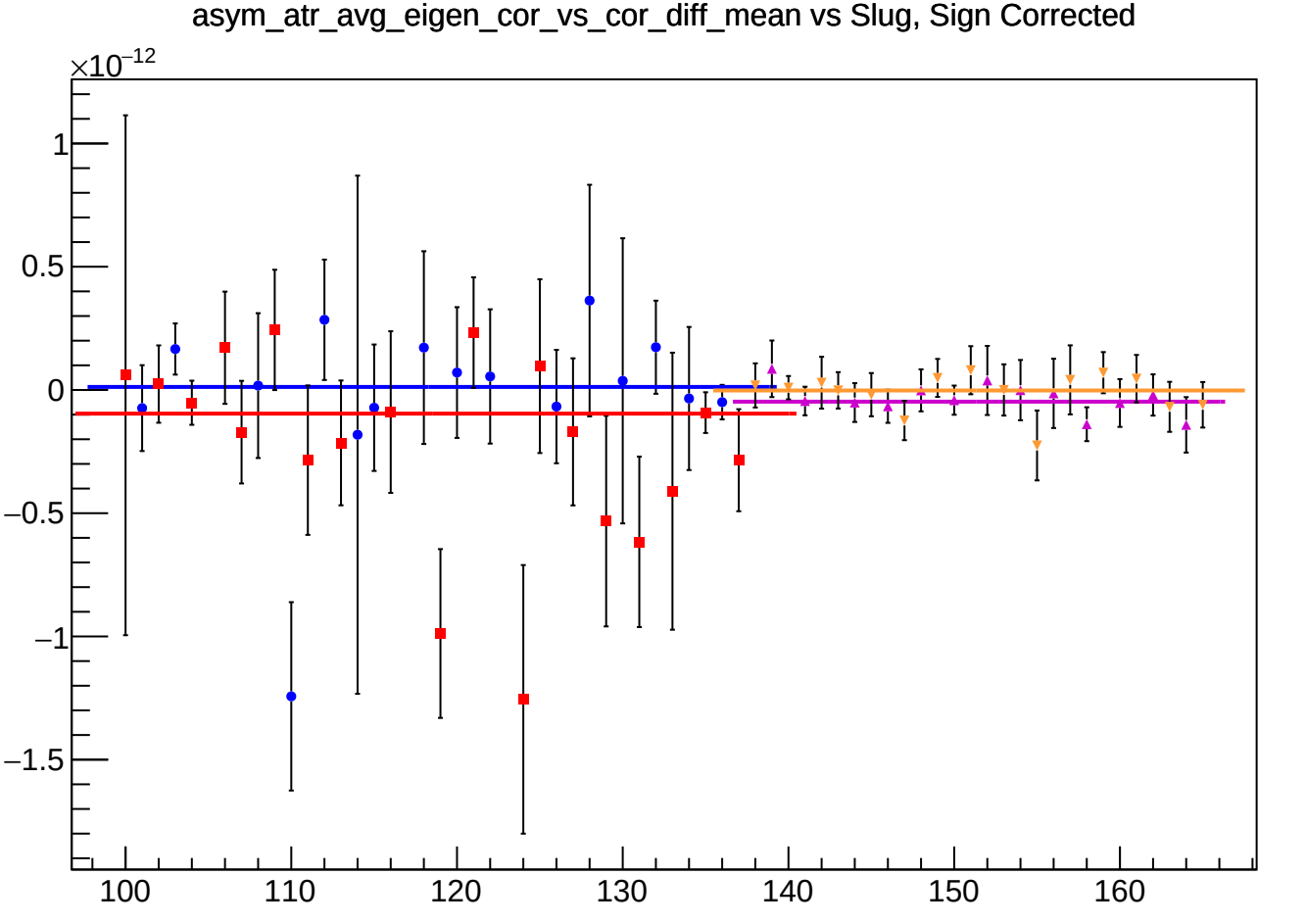
Left: 315.583+/-0.048 χ^2/NDF: 976108.1/27

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 236.024+/-0.042 χ^2/NDF:3742003.2/28

Out: 219.329+/-0.040 χ^2/NDF:6755798.6/33

All: 227.250+/-0.029 χ^2/NDF: 10580002.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/12

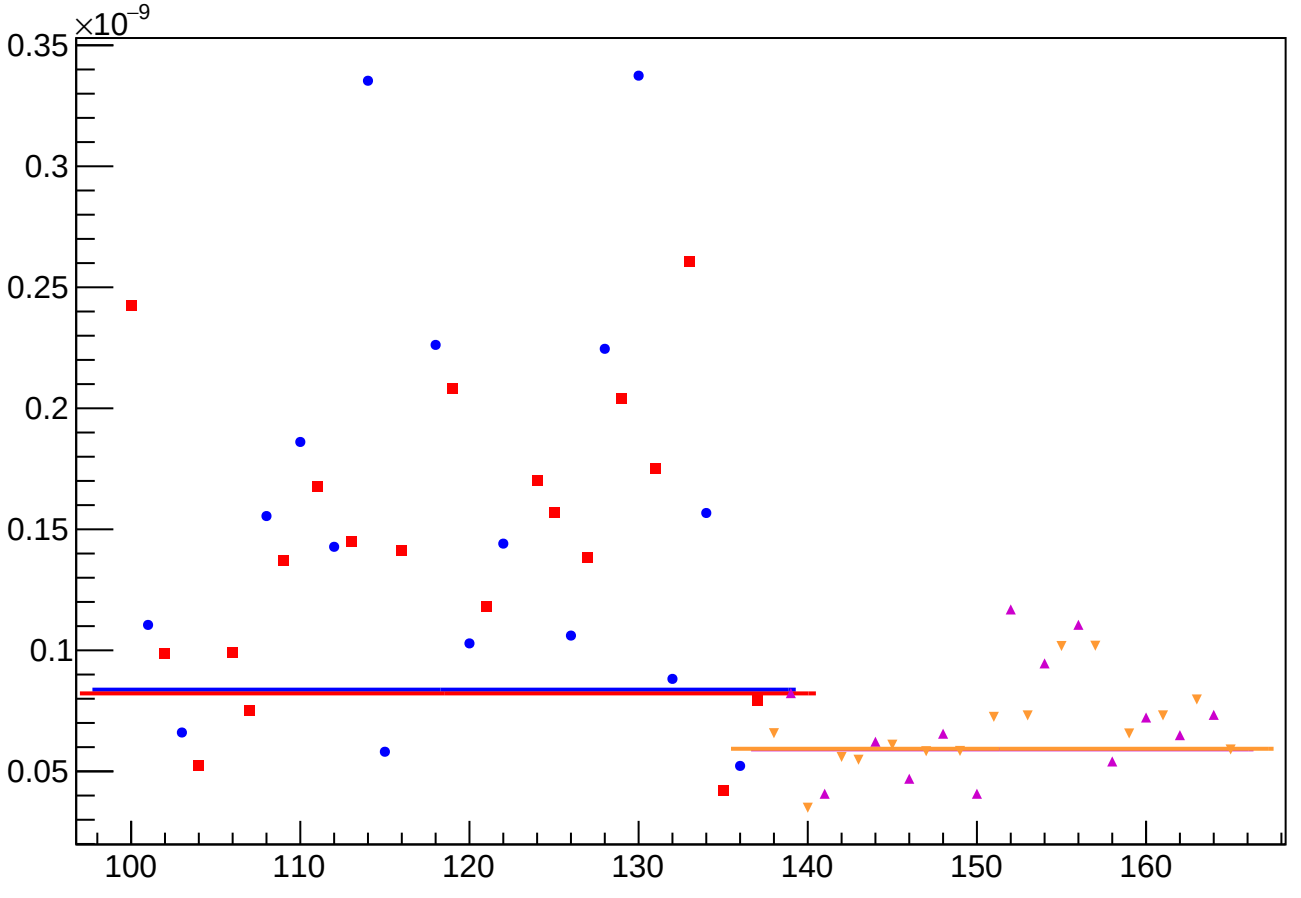
Left: -0.000+/-0.000 χ^2/NDF: 15.0/27

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:23.3/28

Out: -0.000+/-0.000 χ^2/NDF:34.8/33

All: -0.000+/-0.000 χ^2/NDF: 58.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1118227.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1420196.8/12

Left: 0.000+/-0.000 χ^2/NDF: 2538533.1/27

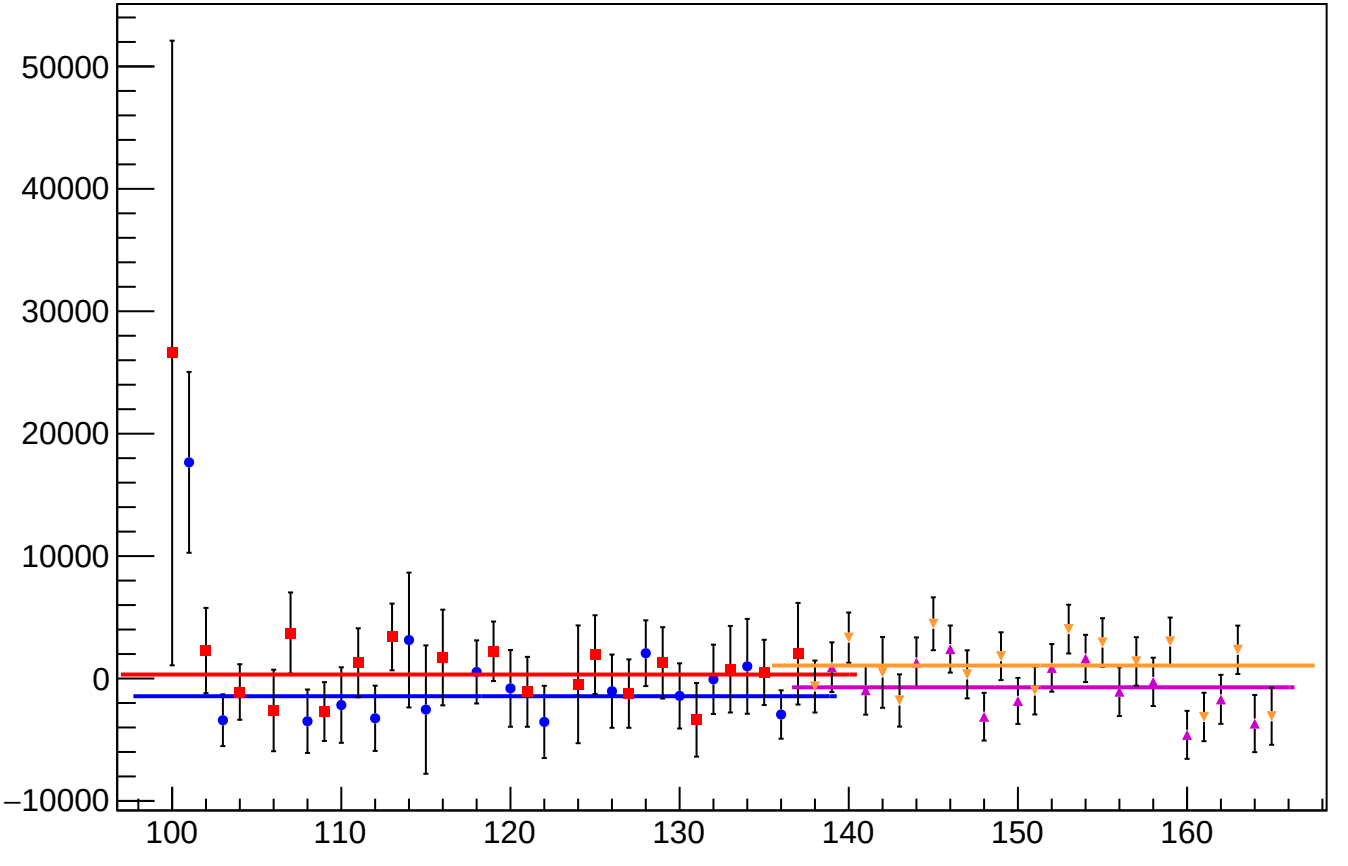
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3995852.1/28

Out: 0.000+/-0.000 χ^2/NDF:3810977.9/33

All: 0.000+/-0.000 χ^2/NDF: 7807080.2/62

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.248+/-533.340 χ^2/NDF:19.8/14

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -718.506+/-552.071 χ^2/NDF:14.2/12

Left: 202.592+/-383.579 χ^2/NDF: 39.4/27

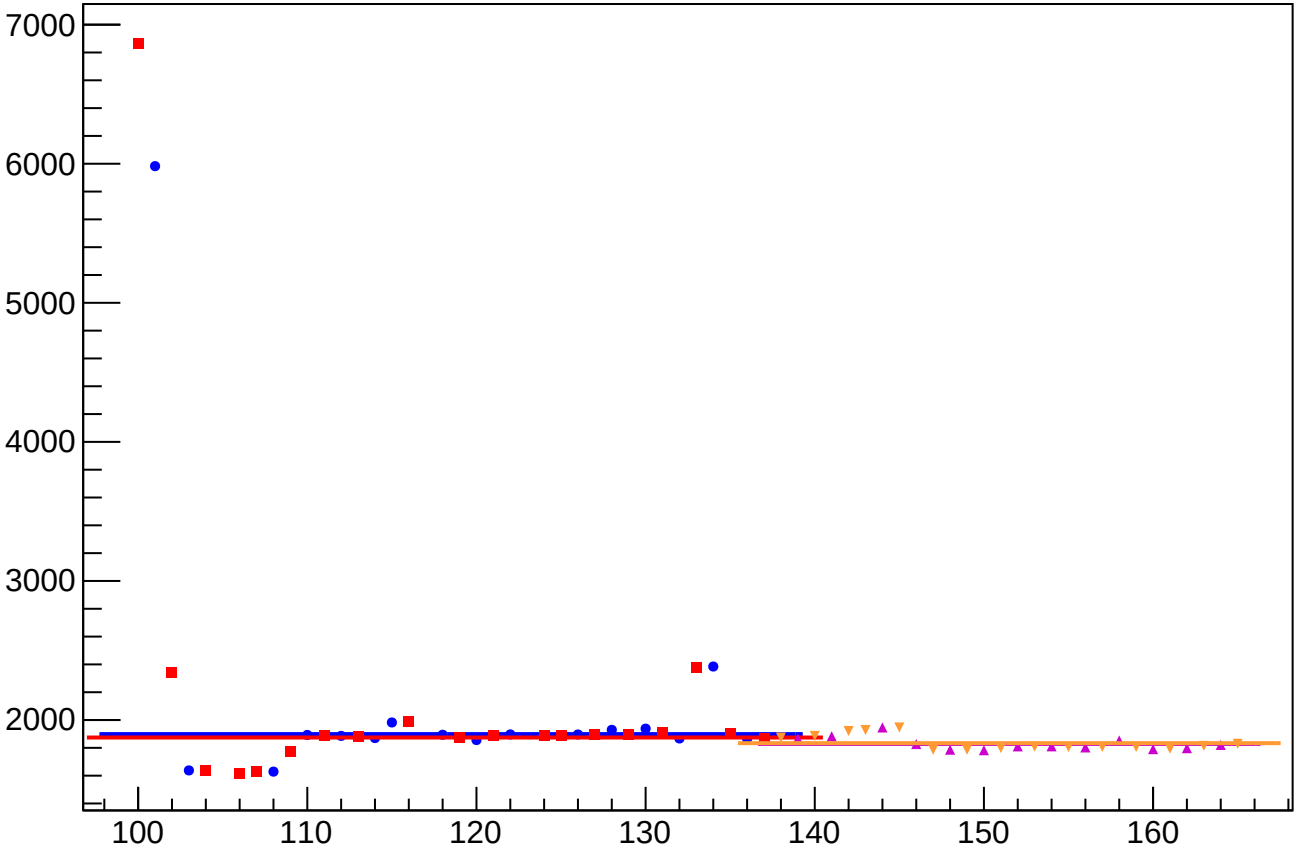
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -986.587+/-438.811 χ^2/NDF:28.3/28

Out: 793.086+/-424.821 χ^2/NDF:30.5/33

All: -67.929+/-305.220 χ^2/NDF: 67.3/62

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

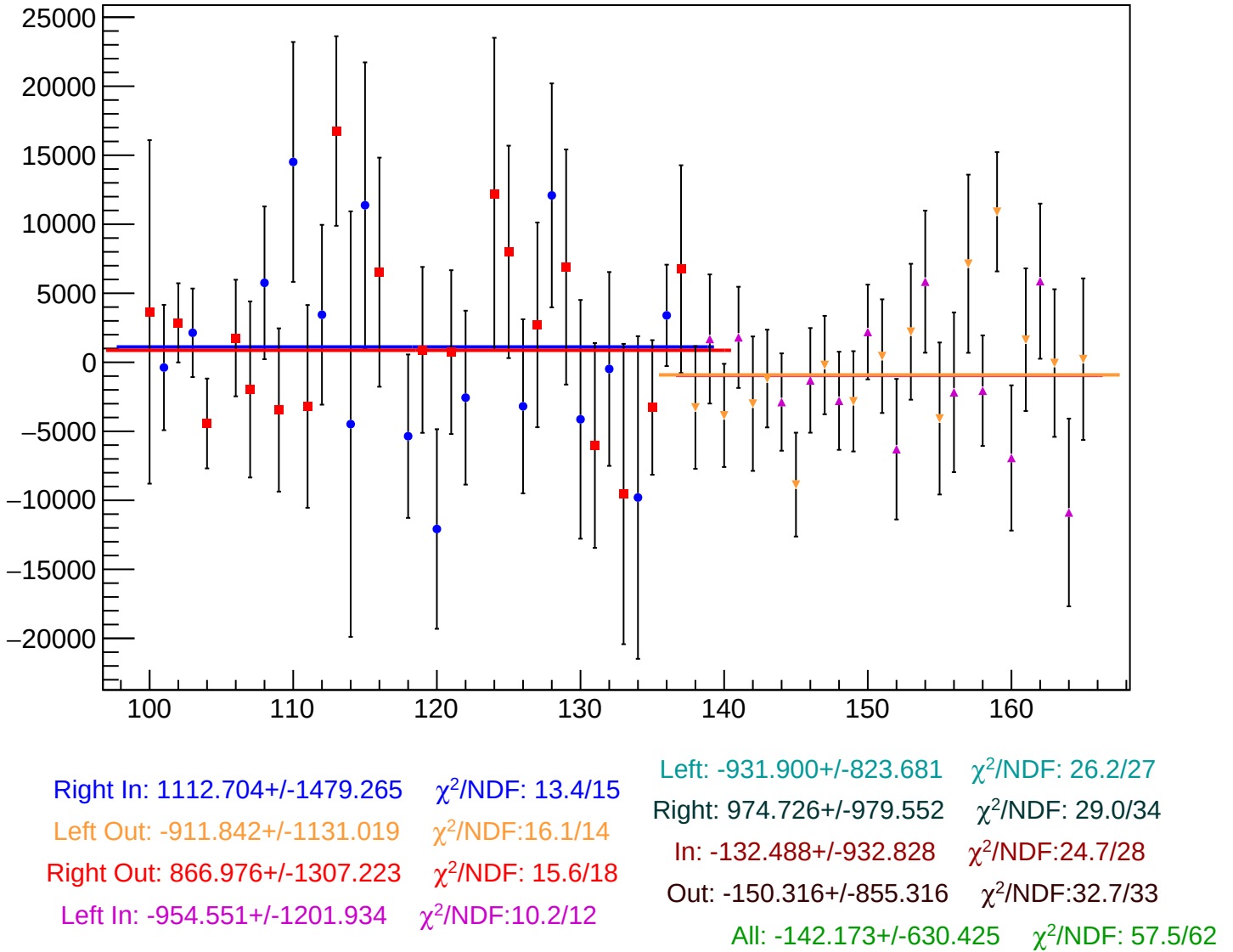
Left: 1830.941+/-0.271 χ^2/NDF: 31846.3/27

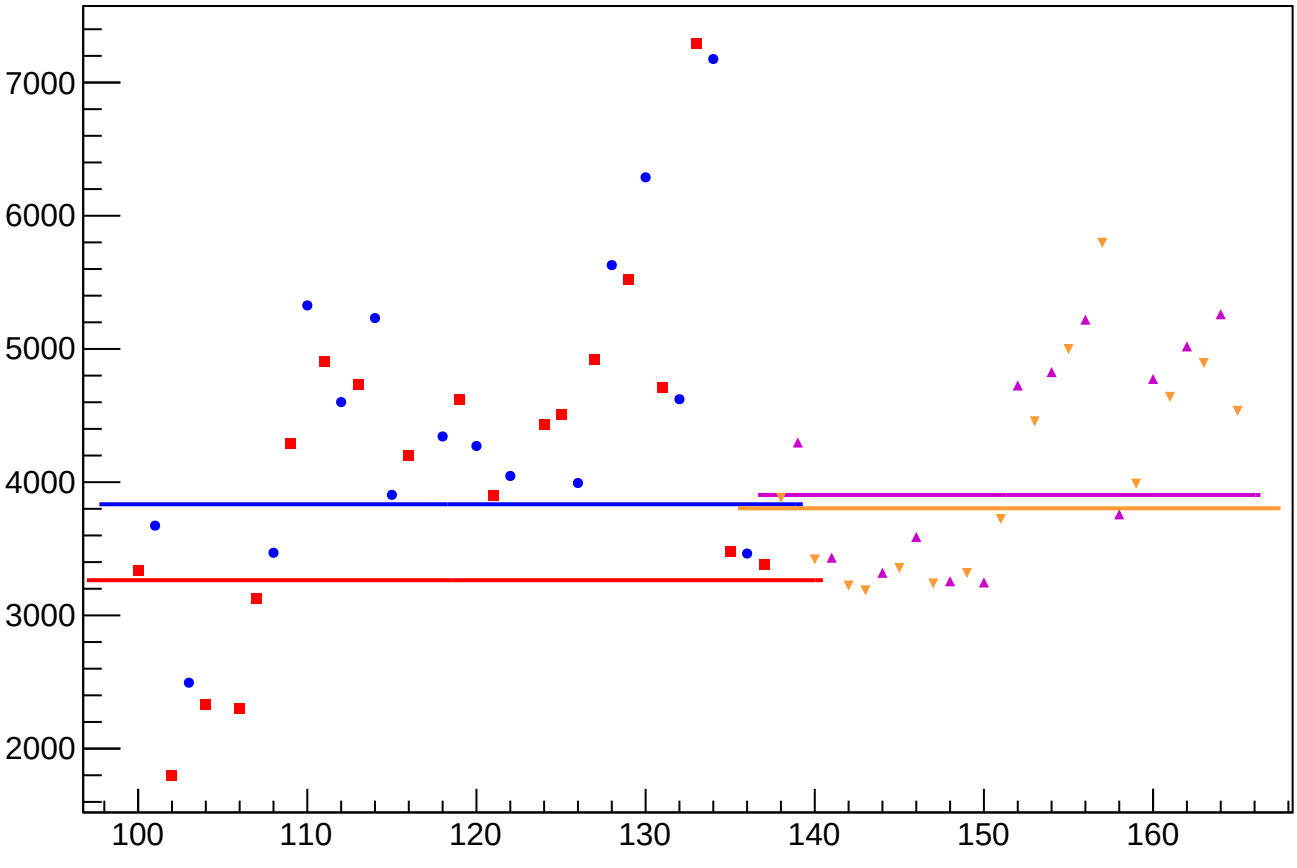
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1854.132+/-0.310 χ^2/NDF:722742.3/28

Out: 1848.528+/-0.300 χ^2/NDF:230528.7/33

All: 1851.236+/-0.216 χ^2/NDF: 953439.6/62


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
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -911.842+/-1131.019 χ²/NDF:16.1/14
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -954.551+/-1201.934 χ²/NDF:10.2/12
Left: -931.900+/-823.681 χ²/NDF: 26.2/27
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -132.488+/-932.828 χ²/NDF:24.7/28
Out: -150.316+/-855.316 χ²/NDF:32.7/33
All: -142.173+/-630.425 χ²/NDF: 57.5/62



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3803.858+/-0.800 χ^2/NDF:716240.3/14

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3904.033+/-0.850 χ^2/NDF:691094.5/12

Left: 3850.903+/-0.582 χ^2/NDF: 1414703.2/27

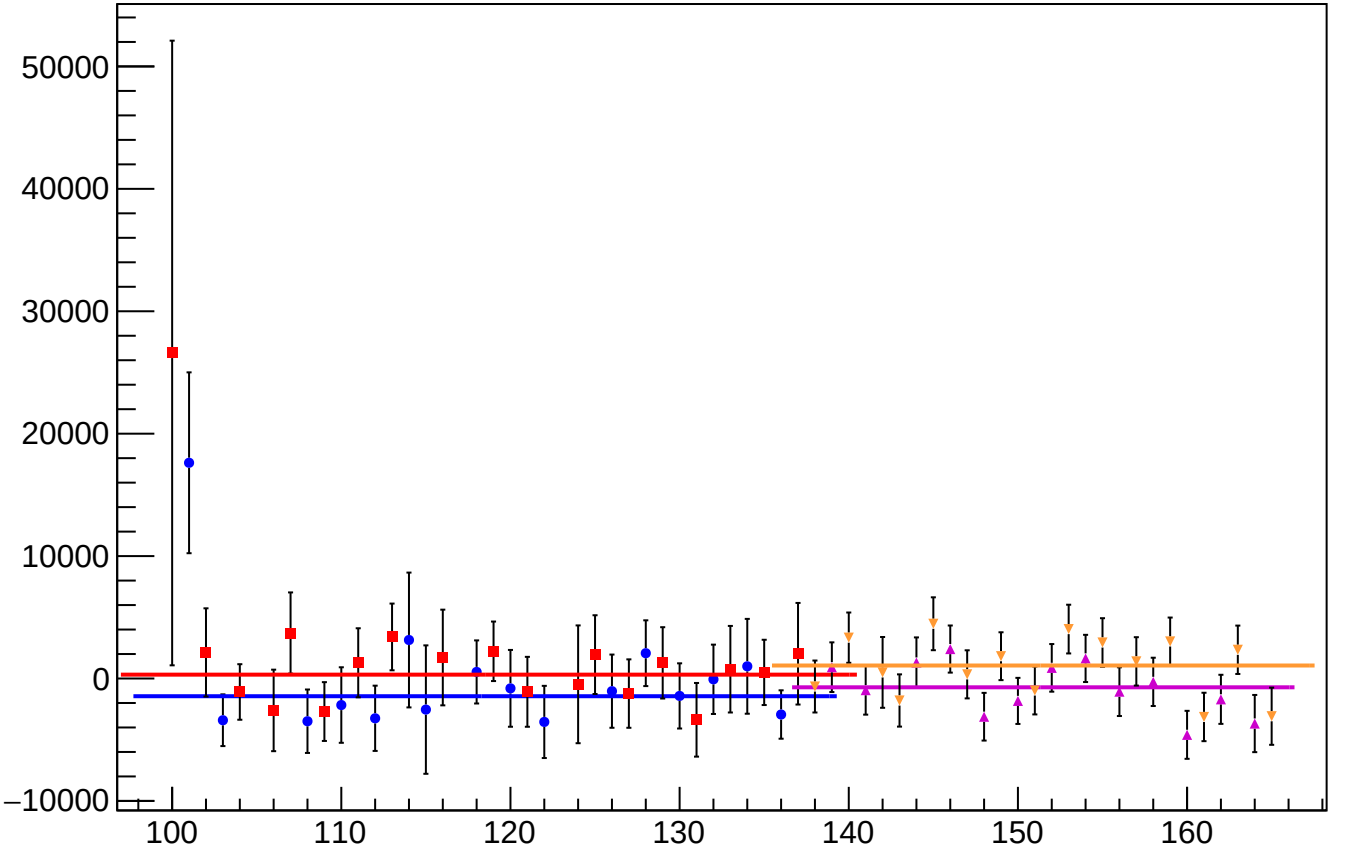
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3876.249+/-0.660 χ^2/NDF:1650557.7/28

Out: 3572.787+/-0.605 χ^2/NDF:2775477.6/33

All: 3711.388+/-0.446 χ^2/NDF: 4541021.8/62

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.378+/-533.340 χ^2/NDF:19.8/14

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -718.483+/-552.071 χ^2/NDF:14.2/12

Left: 202.671+/-383.579 χ^2/NDF: 39.4/27

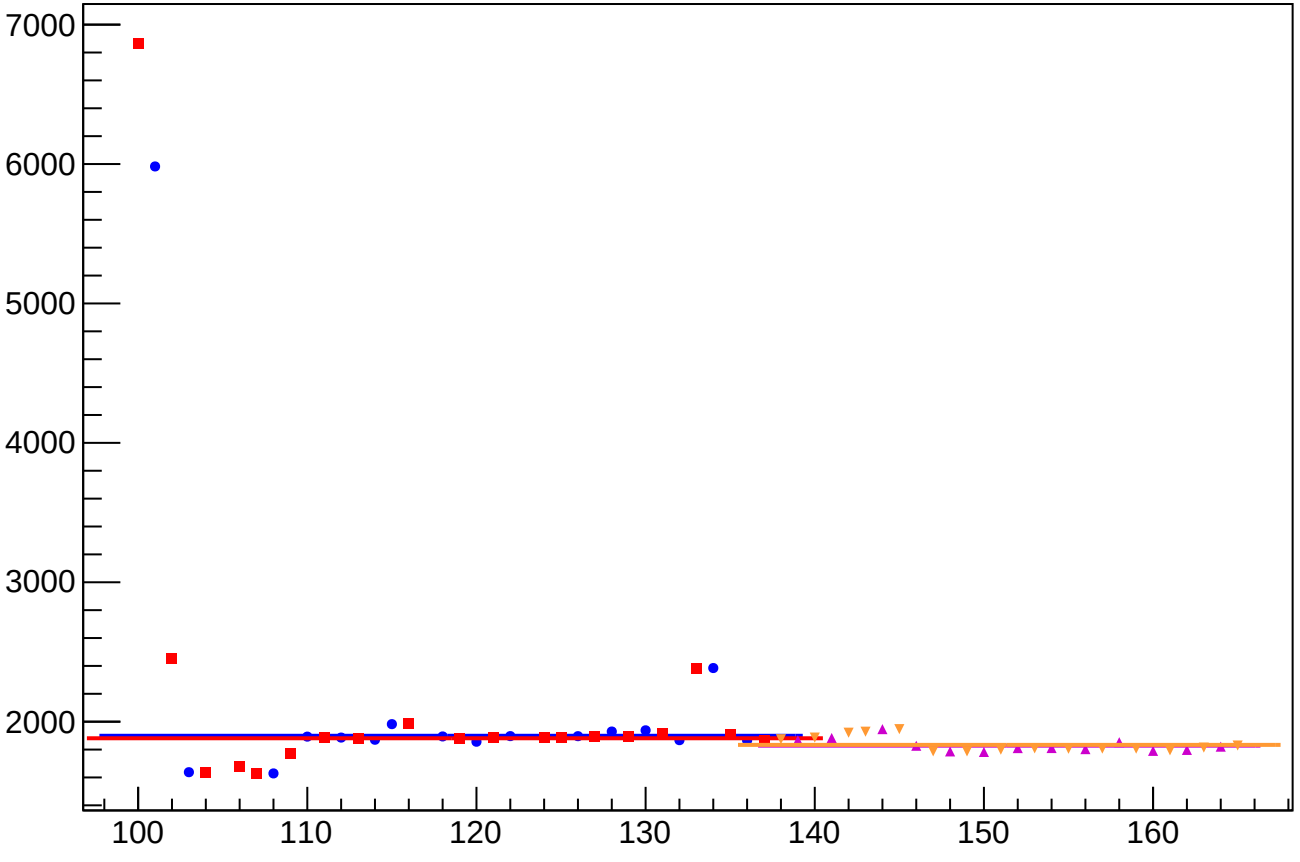
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -986.714+/-438.811 χ^2/NDF:28.3/28

Out: 789.817+/-425.030 χ^2/NDF:30.4/33

All: -70.115+/-305.297 χ^2/NDF: 67.2/62

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

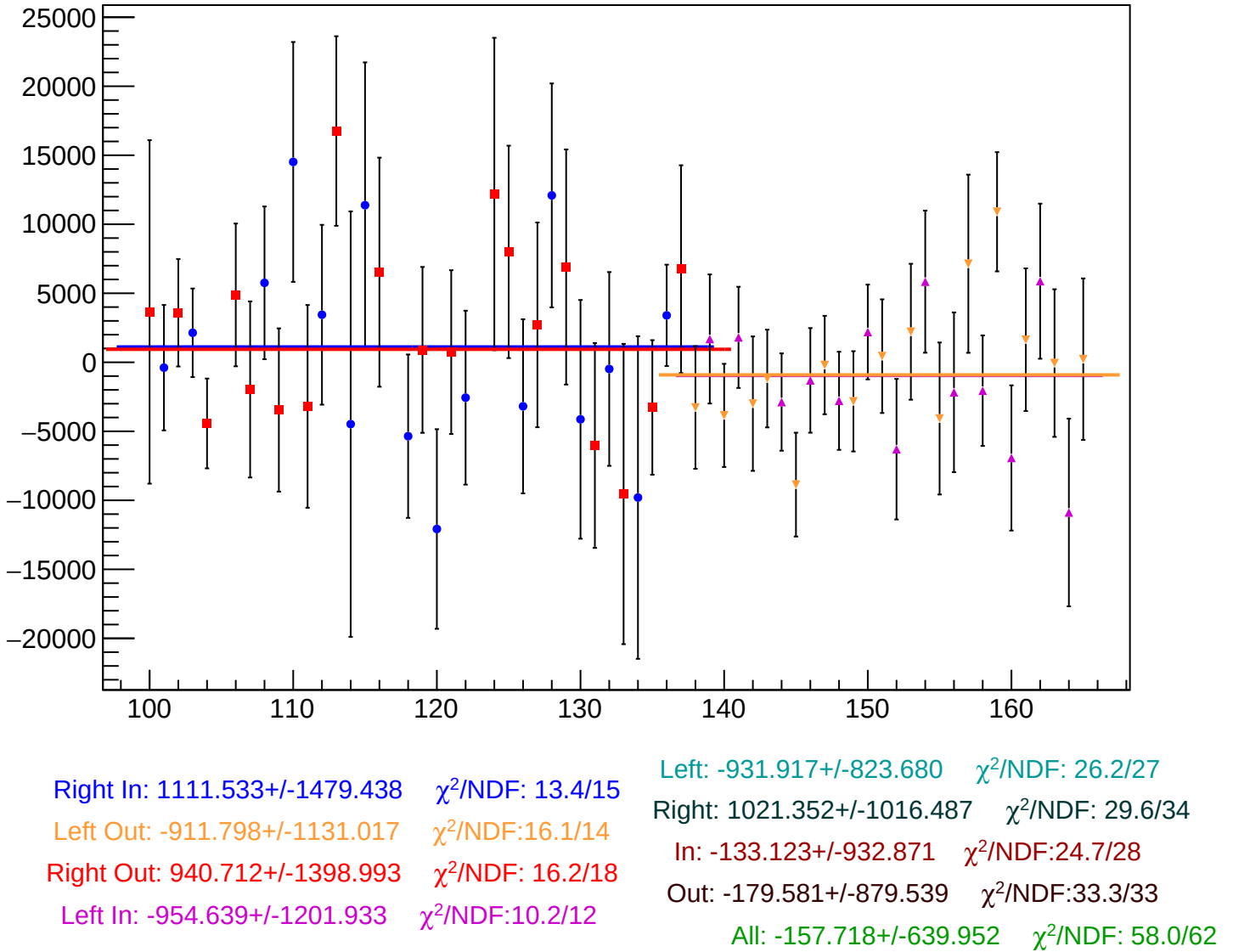
Left: 1830.941+/-0.271 χ^2/NDF: 31846.3/27

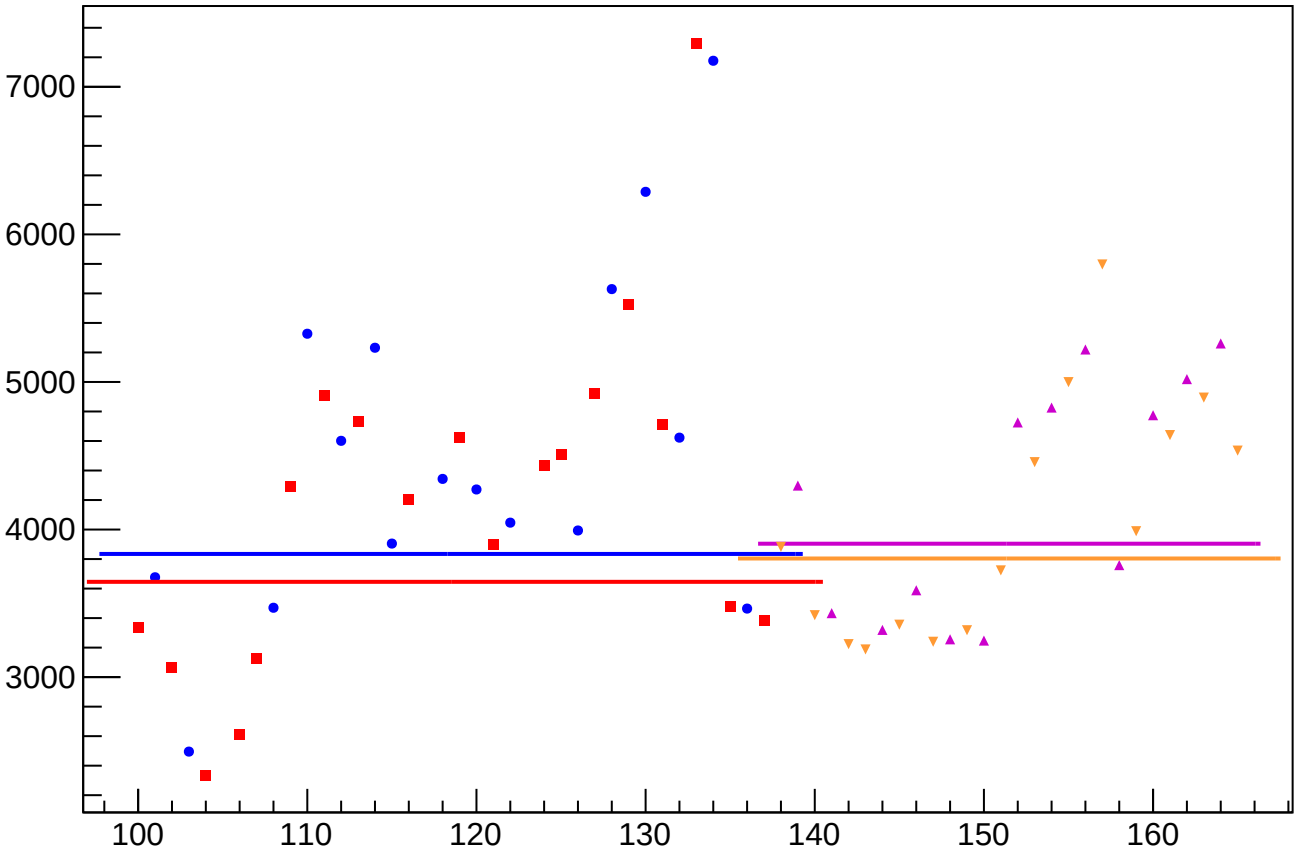
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1854.132+/-0.310 χ^2/NDF:722742.4/28

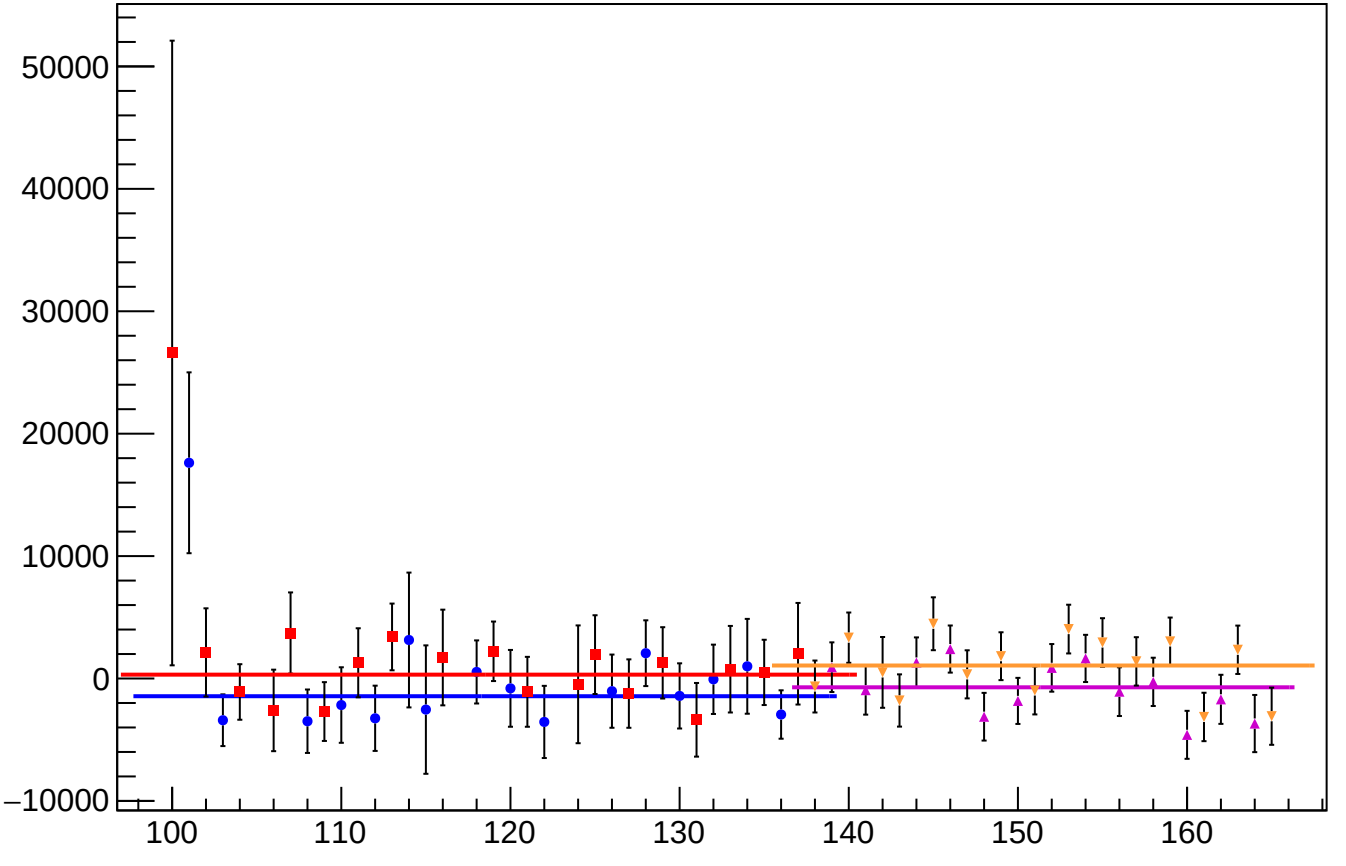
Out: 1850.938+/-0.300 χ^2/NDF:240947.2/33

All: 1852.483+/-0.216 χ^2/NDF: 963744.3/62


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -911.798+/-1131.017 χ²/NDF:16.1/14
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -954.639+/-1201.933 χ²/NDF:10.2/12
Left: -931.917+/-823.680 χ²/NDF: 26.2/27
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -133.123+/-932.871 χ²/NDF:24.7/28
Out: -179.581+/-879.539 χ²/NDF:33.3/33
All: -157.718+/-639.952 χ²/NDF: 58.0/62


asym_atr_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 3834.690+/-1.046 χ²/NDF: 956312.2/15
Left Out: 3803.854+/-0.800 χ²/NDF:716234.9/14
Right Out: 3645.689+/-0.989 χ²/NDF: 1124981.4/18
Left In: 3904.027+/-0.850 χ²/NDF:691108.3/12
Left: 3850.898+/-0.582 χ²/NDF: 1414711.2/27
Right: 3734.912+/-0.719 χ²/NDF: 2098525.6/34
In: 3876.459+/-0.660 χ²/NDF:1650066.9/28
Out: 3741.338+/-0.622 χ²/NDF:1856675.5/33
All: 3804.926+/-0.453 χ²/NDF: 3528955.7/62

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.378+/-533.340 χ^2/NDF:19.8/14

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -718.483+/-552.071 χ^2/NDF:14.2/12

Left: 202.671+/-383.579 χ^2/NDF: 39.4/27

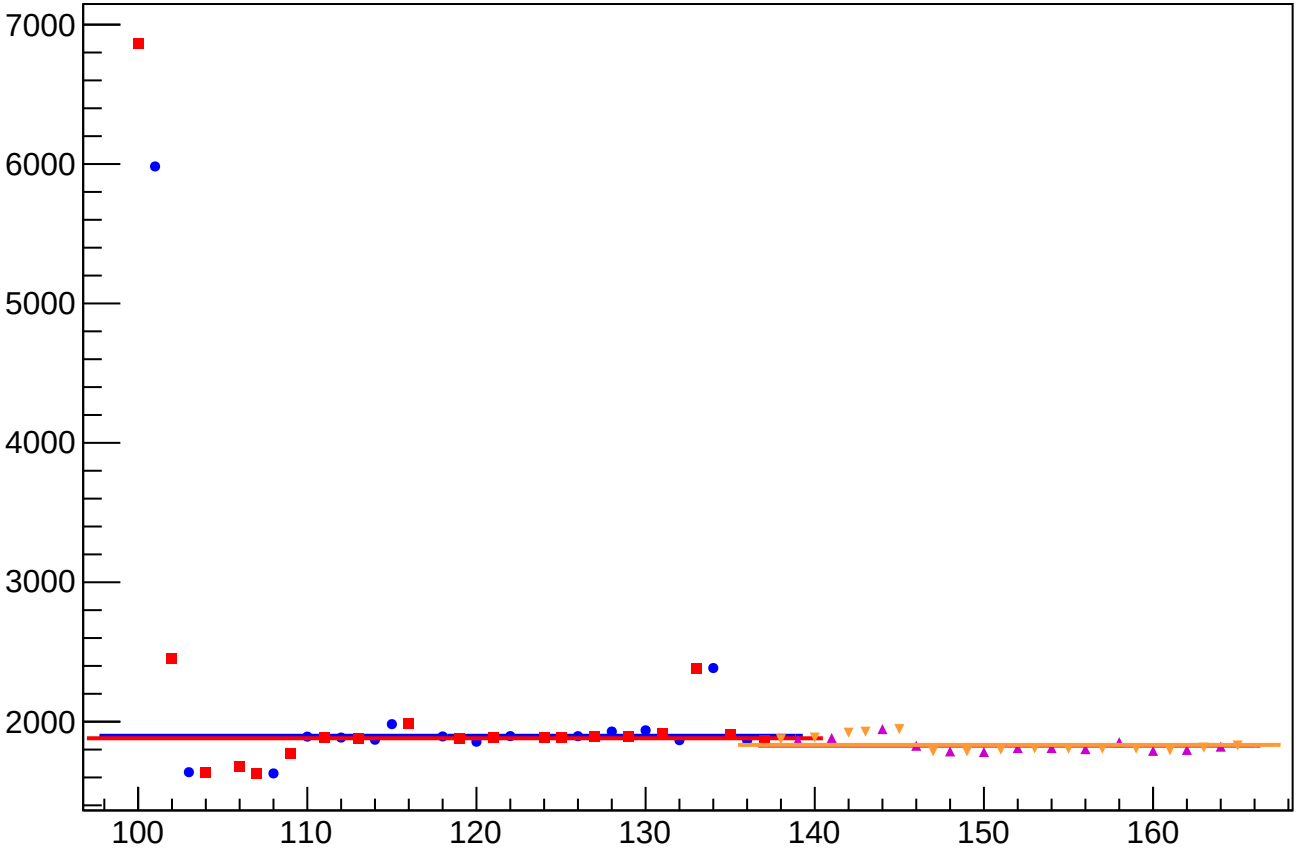
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -986.714+/-438.811 χ^2/NDF:28.3/28

Out: 789.817+/-425.030 χ^2/NDF:30.4/33

All: -70.115+/-305.297 χ^2/NDF: 67.2/62

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

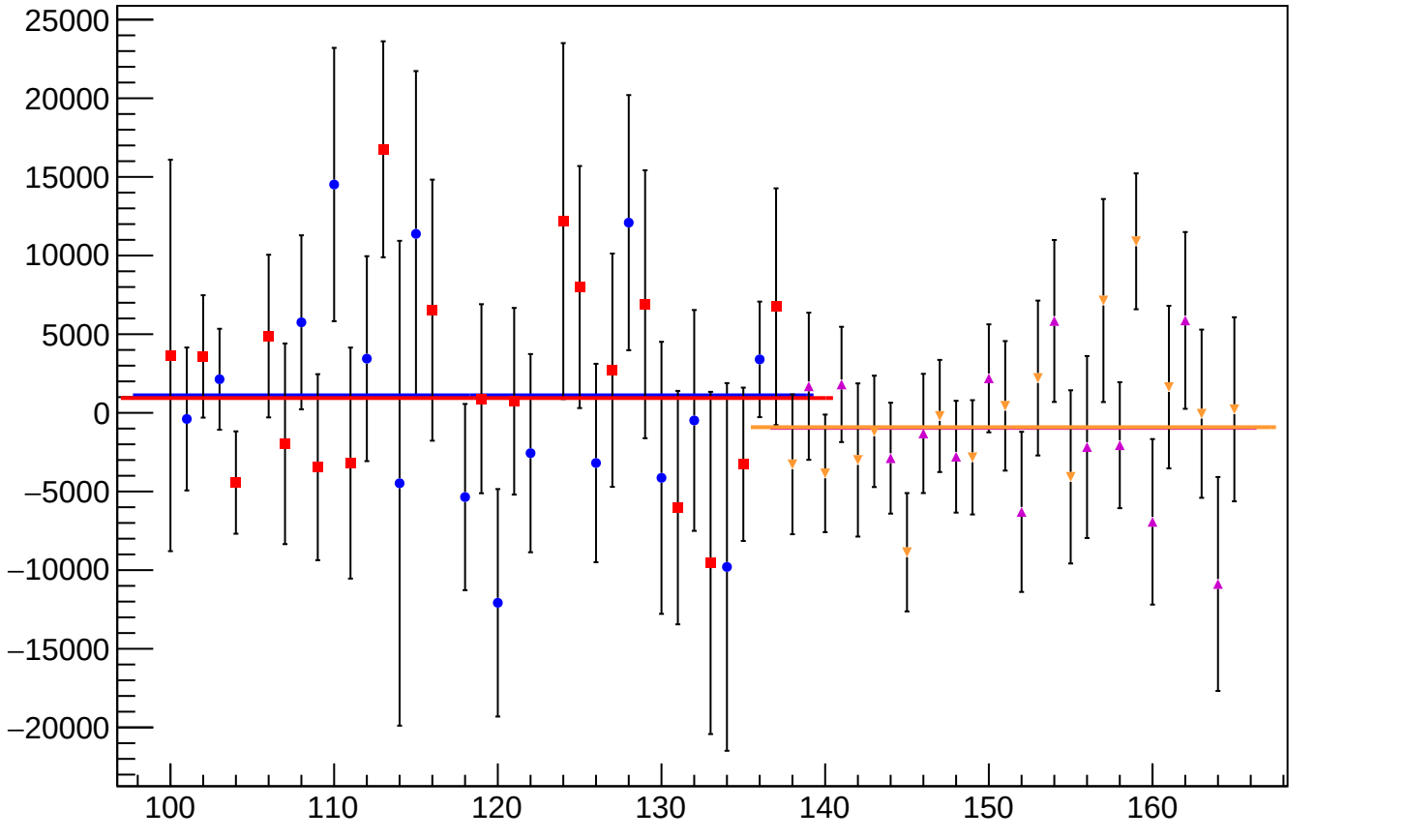
Left: 1830.941+/-0.271 χ^2/NDF: 31846.3/27

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1854.132+/-0.310 χ^2/NDF:722742.4/28

Out: 1850.938+/-0.300 χ^2/NDF:240947.2/33

All: 1852.483+/-0.216 χ^2/NDF: 963744.3/62


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
20000
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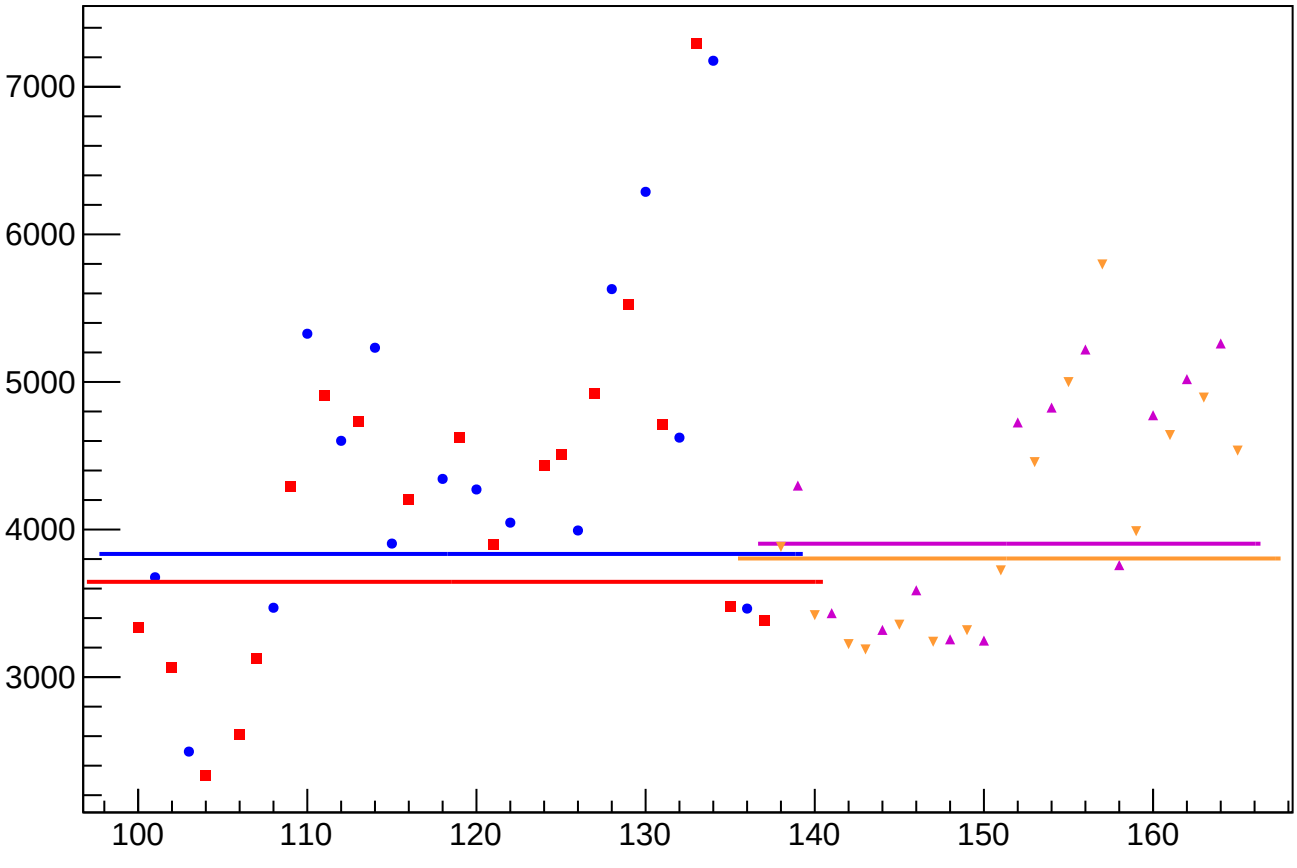
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -911.798+/-1131.017 χ²/NDF:16.1/14
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -954.639+/-1201.933 χ²/NDF:10.2/12
Left: -931.917+/-823.680 χ²/NDF: 26.2/27
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -133.123+/-932.871 χ²/NDF:24.7/28
Out: -179.581+/-879.539 χ²/NDF:33.3/33
All: -157.718+/-639.952 χ²/NDF: 58.0/62



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3803.854+/-0.800 χ^2/NDF:716234.9/14

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

Left: 3850.898+/-0.582 χ^2/NDF: 1414711.2/27

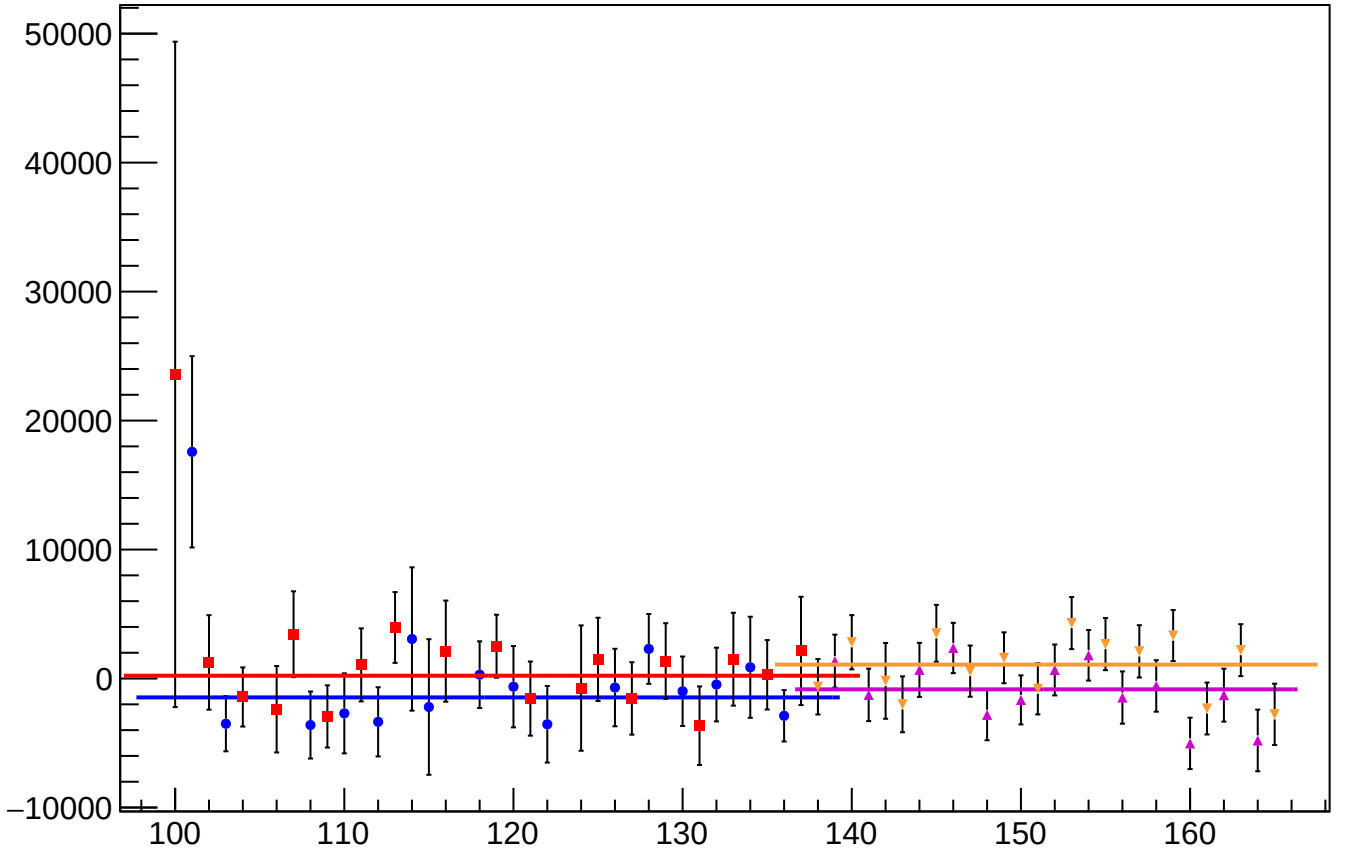
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.459+/-0.660 χ^2/NDF:1650066.9/28

Out: 3741.338+/-0.622 χ^2/NDF:1856675.5/33

All: 3804.926+/-0.453 χ^2/NDF: 3528955.7/62

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1083.375+/-542.317 χ^2/NDF:16.3/14

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -838.600+/-560.972 χ^2/NDF:15.3/12

Left: 154.877+/-389.904 χ^2/NDF: 37.7/27

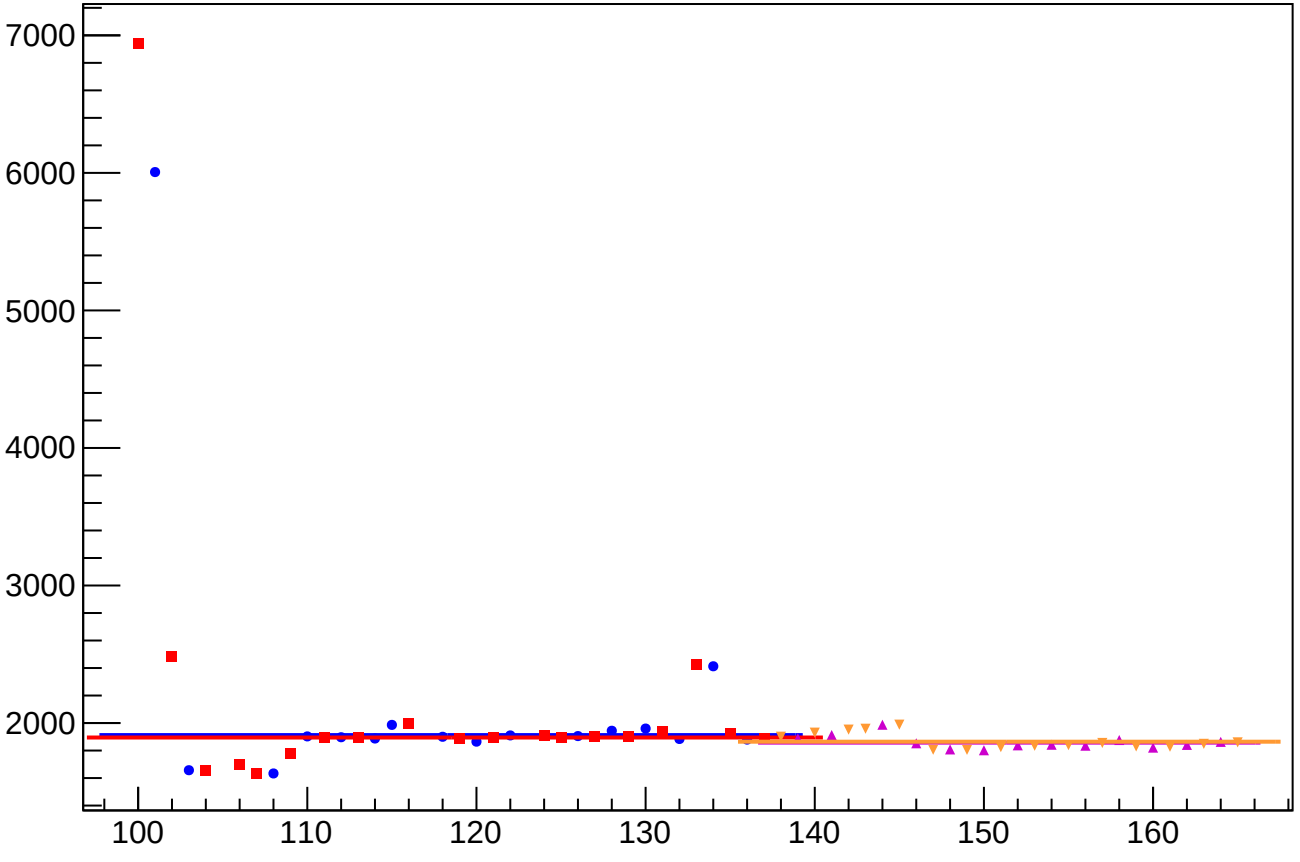
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -1070.981+/-444.415 χ^2/NDF:29.3/28

Out: 764.504+/-430.719 χ^2/NDF:28.0/33

All: -124.519+/-309.293 χ^2/NDF: 66.1/62

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1864.336+/-0.383 χ^2/NDF:20915.0/14

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.479+/-0.397 χ^2/NDF:14162.7/12

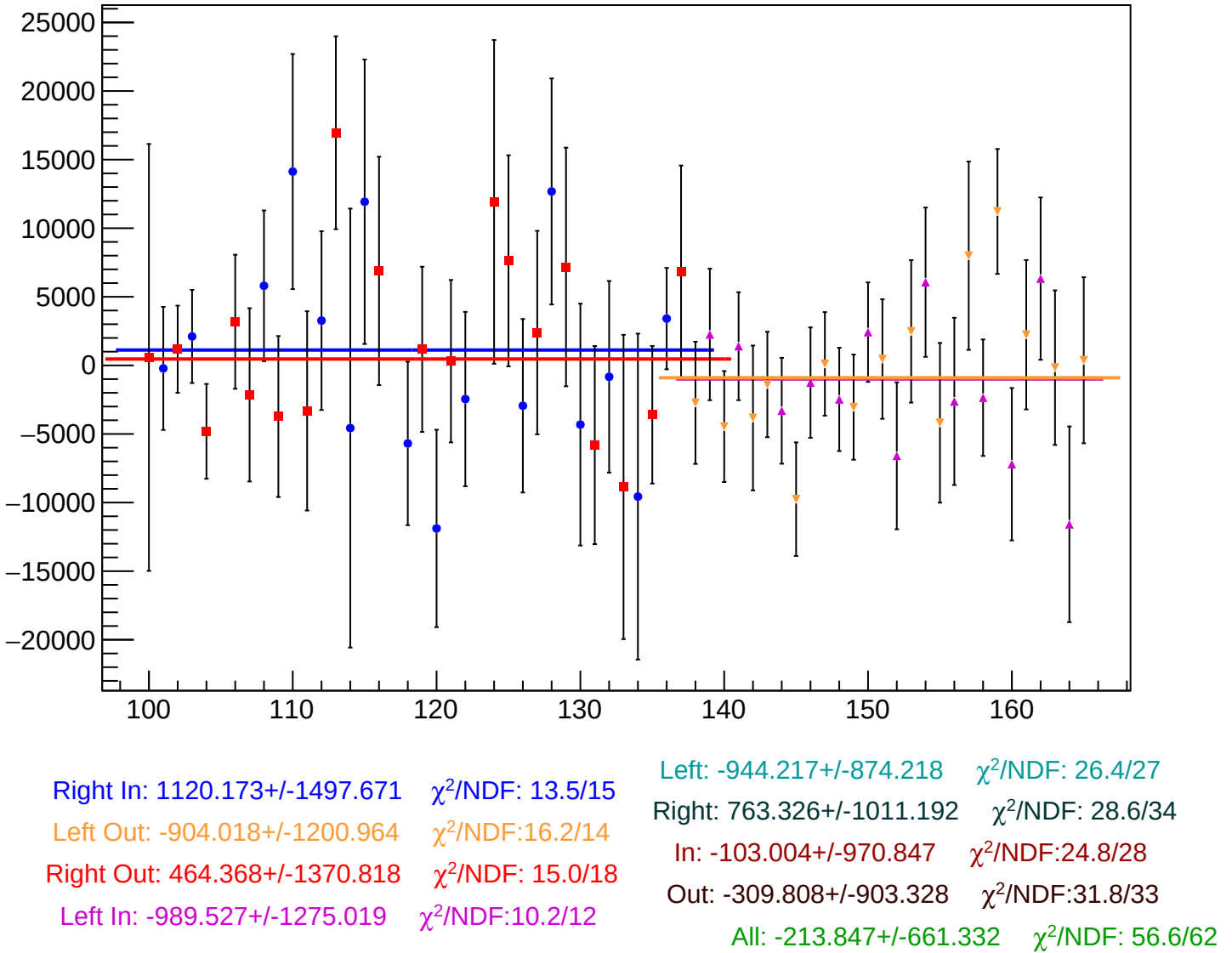
Left: 1861.023+/-0.276 χ^2/NDF: 35232.1/27

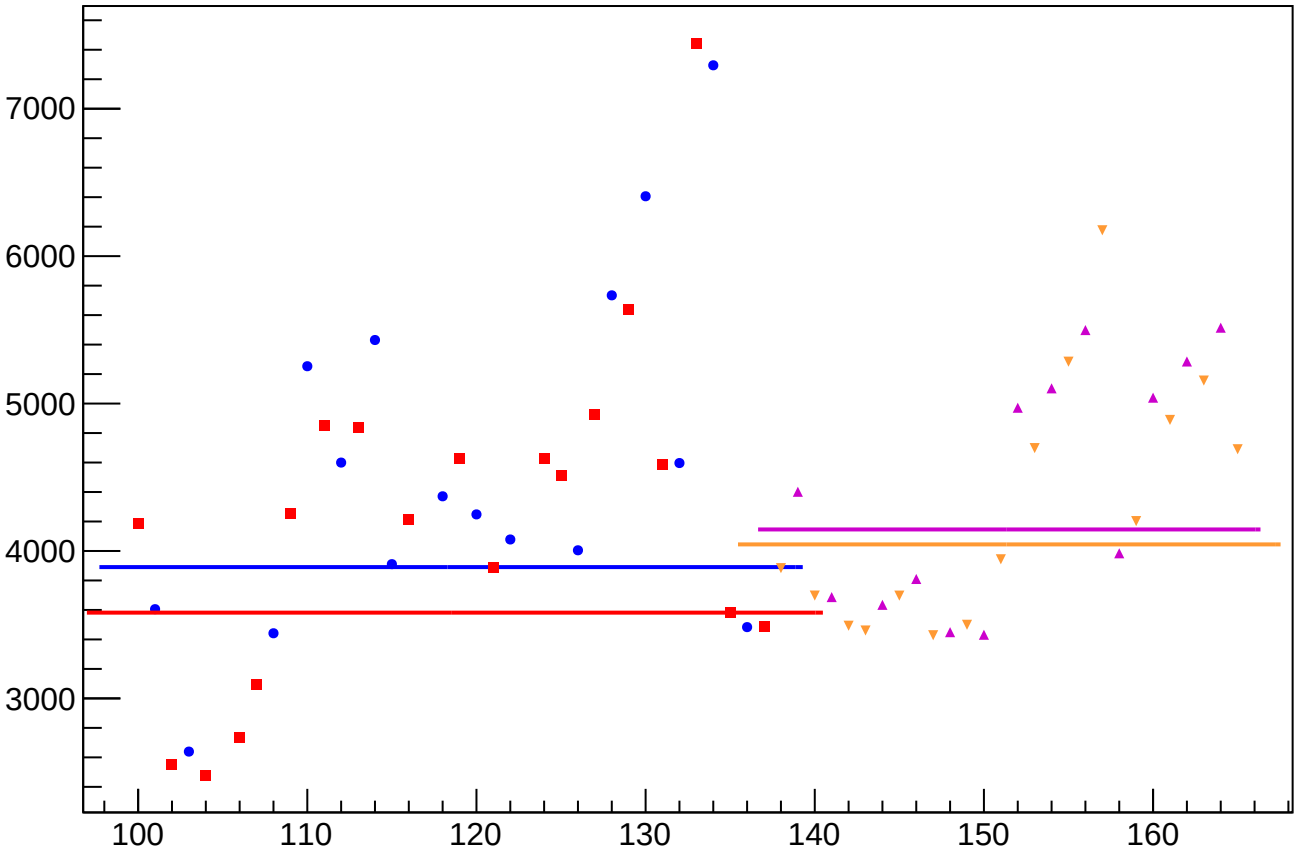
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1877.923+/-0.314 χ^2/NDF:717515.9/28

Out: 1875.586+/-0.304 χ^2/NDF:243024.4/33

All: 1876.717+/-0.219 χ^2/NDF: 960568.8/62


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -904.018+/-1200.964 χ²/NDF:16.2/14
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -989.527+/-1275.019 χ²/NDF:10.2/12
Left: -944.217+/-874.218 χ²/NDF: 26.4/27
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: -103.004+/-970.847 χ²/NDF:24.8/28
Out: -309.808+/-903.328 χ²/NDF:31.8/33
All: -213.847+/-661.332 χ²/NDF: 56.6/62



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4044.645+/-0.849 χ^2/NDF:660436.8/14

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4146.028+/-0.902 χ^2/NDF:638258.6/12

Left: 4092.307+/-0.618 χ^2/NDF: 1305395.9/27

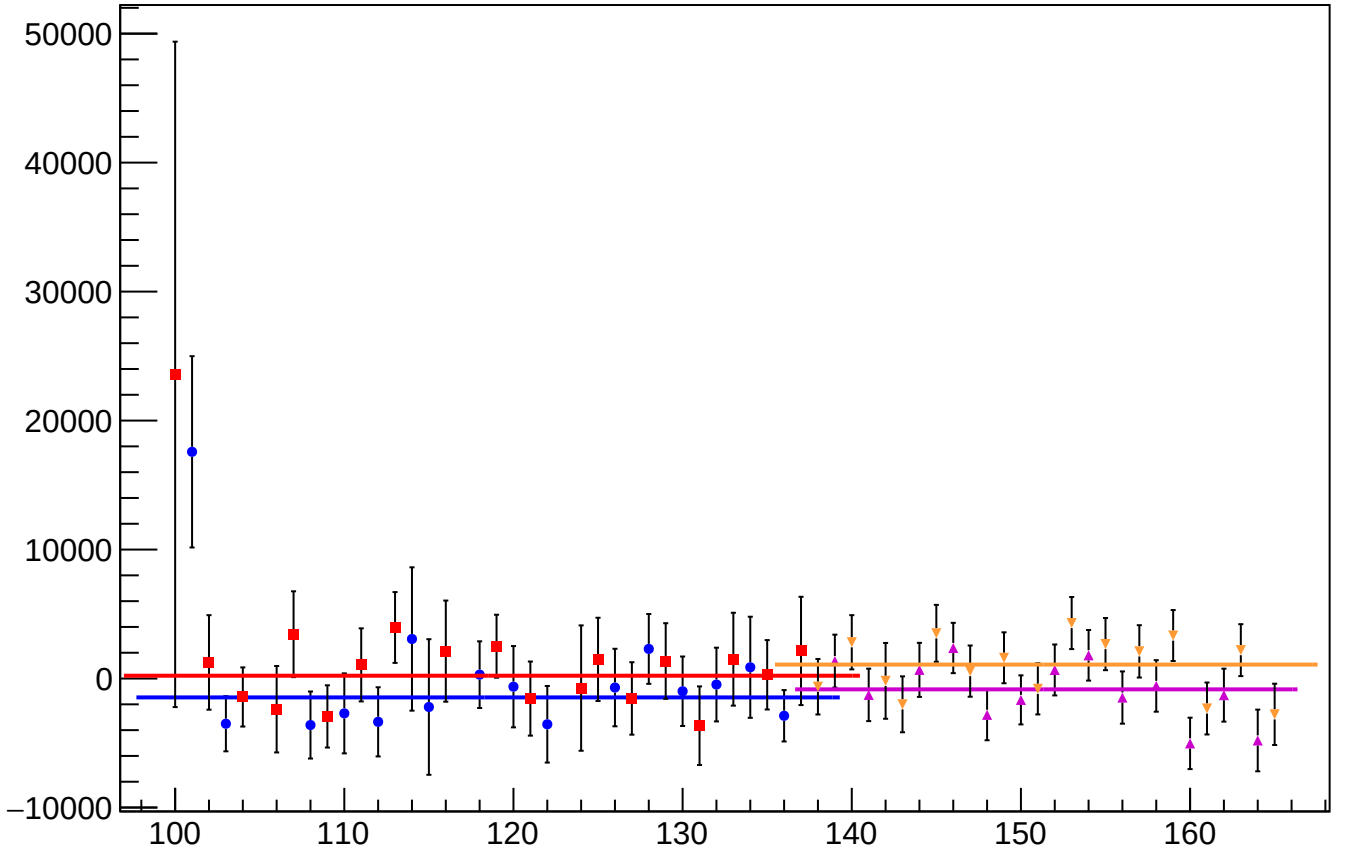
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4038.739+/-0.686 χ^2/NDF:1550377.2/28

Out: 3843.650+/-0.639 χ^2/NDF:2011298.0/33

All: 3934.175+/-0.468 χ^2/NDF: 3604960.7/62

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1083.385+/-542.317 χ^2/NDF:16.3/14

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -838.601+/-560.972 χ^2/NDF:15.3/12

Left: 154.881+/-389.904 χ^2/NDF: 37.7/27

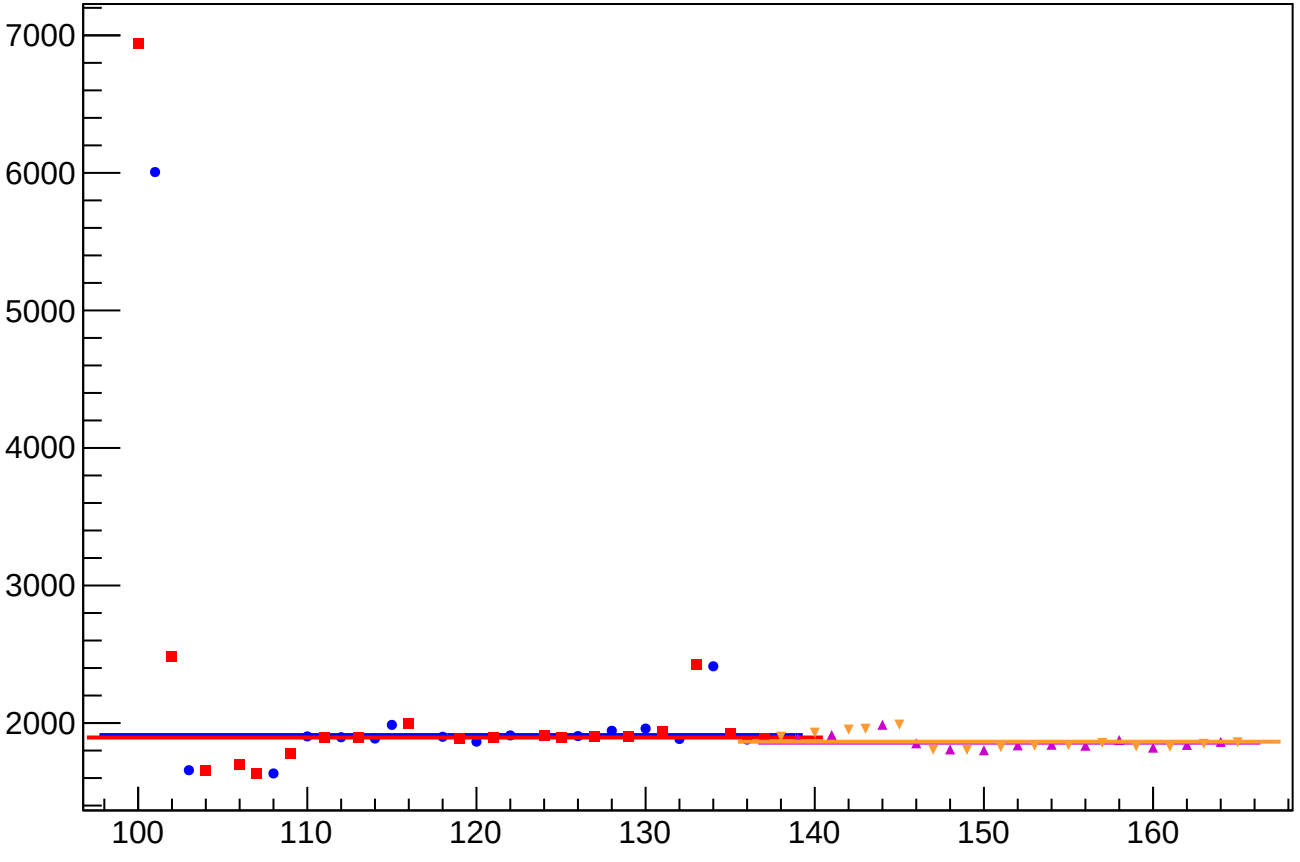
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -1070.984+/-444.415 χ^2/NDF:29.3/28

Out: 764.508+/-430.719 χ^2/NDF:28.0/33

All: -124.519+/-309.293 χ^2/NDF: 66.1/62

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1864.336+/-0.383 χ^2/NDF:20914.9/14

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.480+/-0.397 χ^2/NDF:14162.6/12

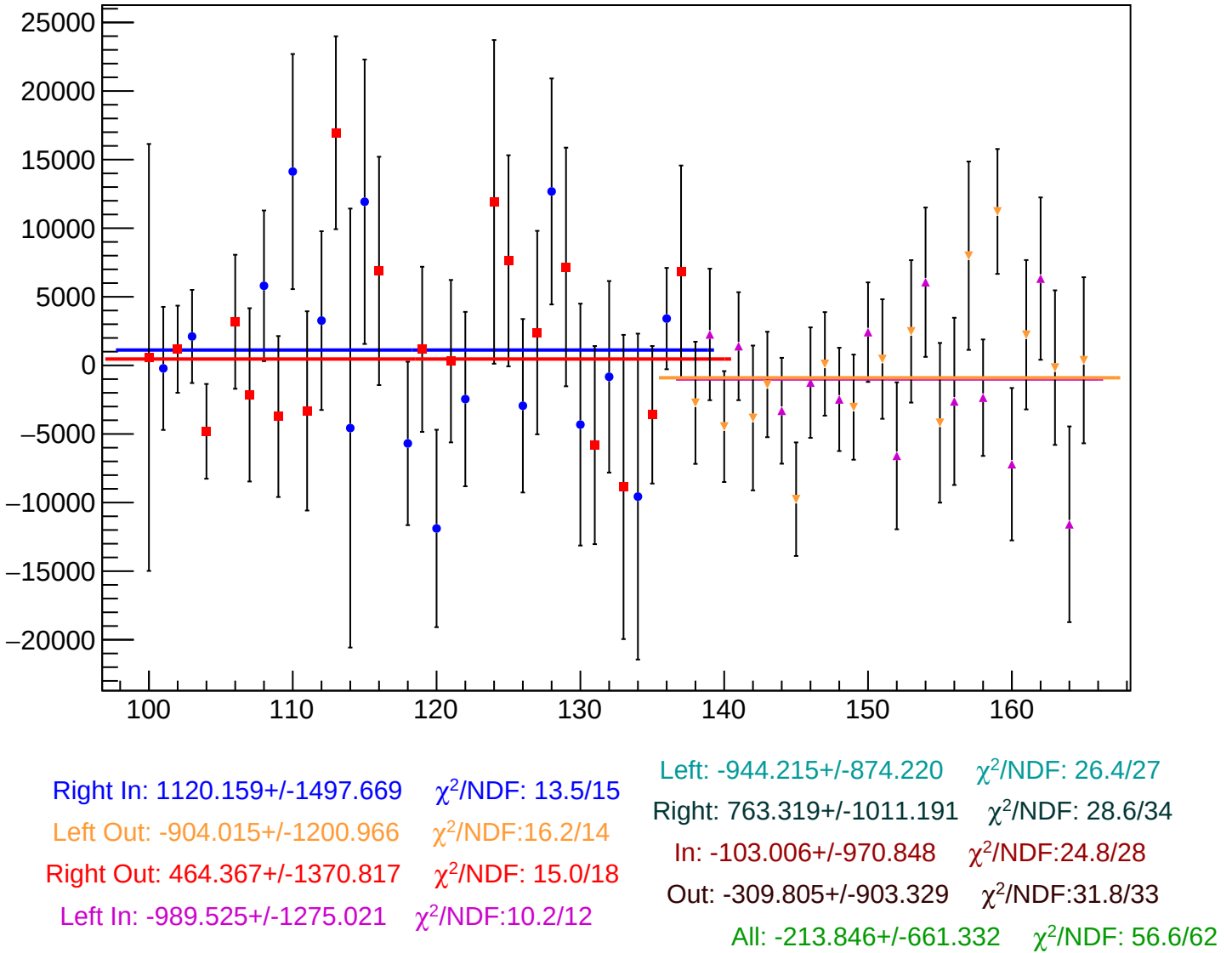
Left: 1861.024+/-0.276 χ^2/NDF: 35232.0/27

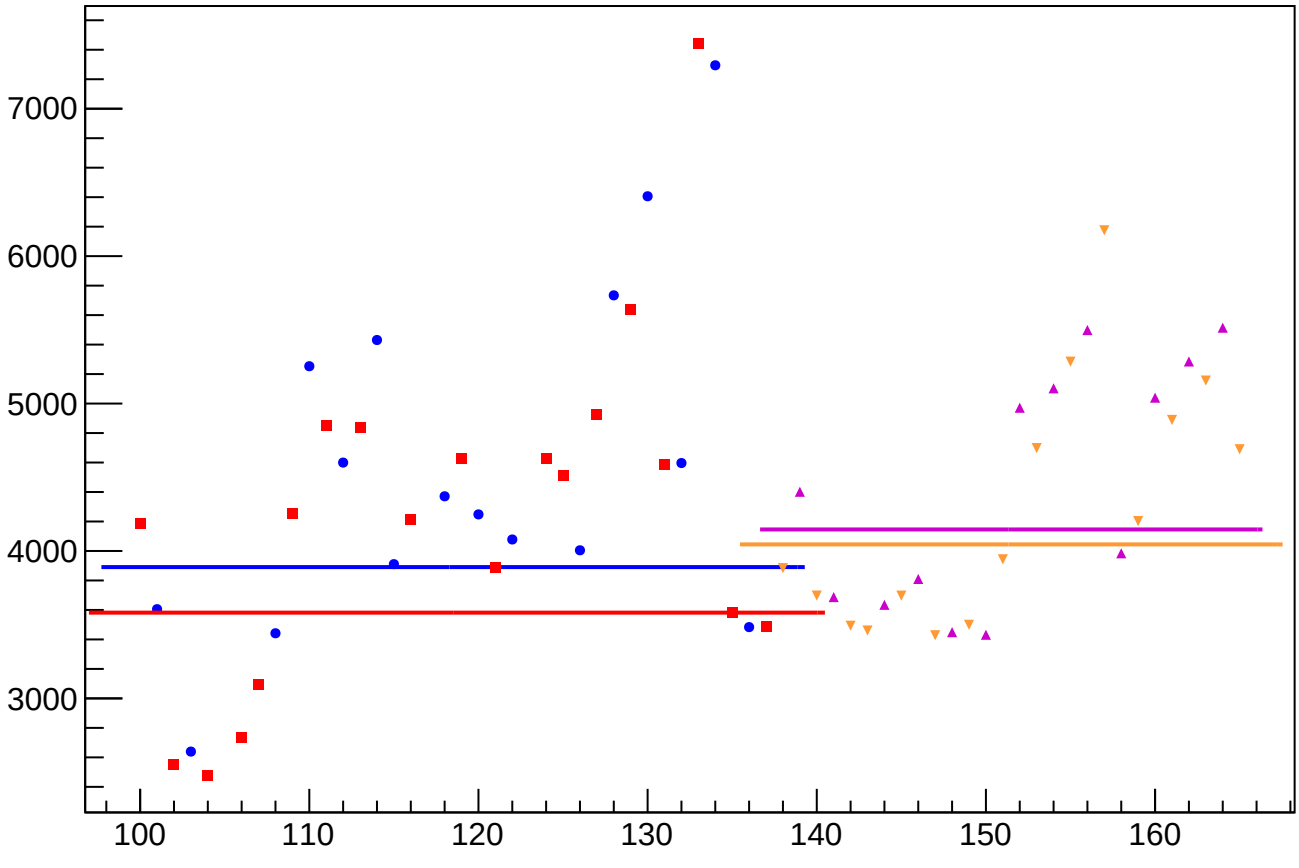
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1877.923+/-0.314 χ^2/NDF:717515.4/28

Out: 1875.586+/-0.304 χ^2/NDF:243024.2/33

All: 1876.718+/-0.219 χ^2/NDF: 960568.1/62


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -904.015+/-1200.966 χ²/NDF:16.2/14
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: -989.525+/-1275.021 χ²/NDF:10.2/12
Left: -944.215+/-874.220 χ²/NDF: 26.4/27
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: -103.006+/-970.848 χ²/NDF:24.8/28
Out: -309.805+/-903.329 χ²/NDF:31.8/33
All: -213.846+/-661.332 χ²/NDF: 56.6/62



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4044.651+/-0.849 χ^2/NDF:660438.1/14

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4146.034+/-0.902 χ^2/NDF:638259.9/12

Left: 4092.313+/-0.618 χ^2/NDF: 1305398.4/27

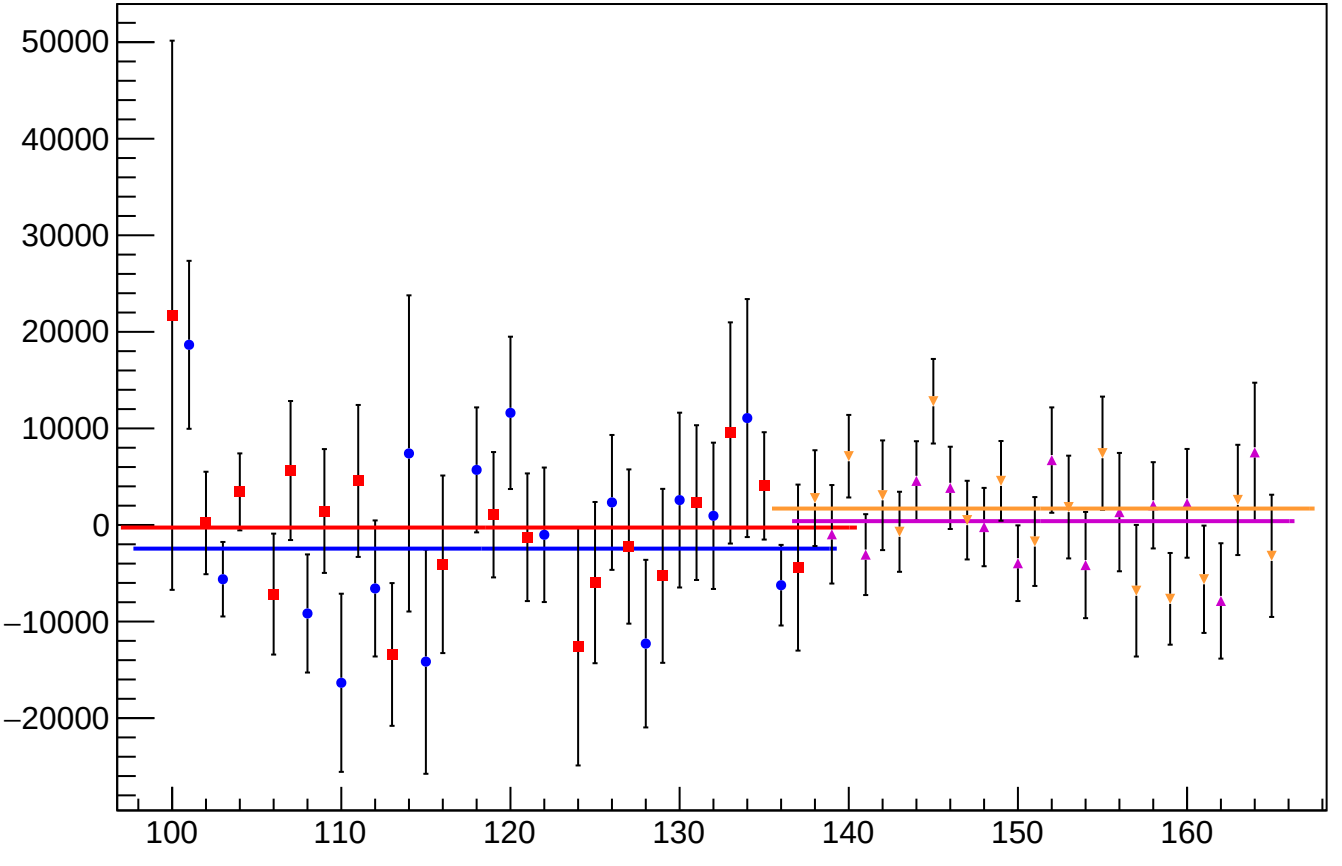
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4038.741+/-0.686 χ^2/NDF:1550371.8/28

Out: 3843.652+/-0.639 χ^2/NDF:2011295.8/33

All: 3934.177+/-0.468 χ^2/NDF: 3604953.3/62

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1701.252+/-1268.761 χ^2/NDF:18.4/14

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 396.136+/-1338.753 χ^2/NDF:8.9/12

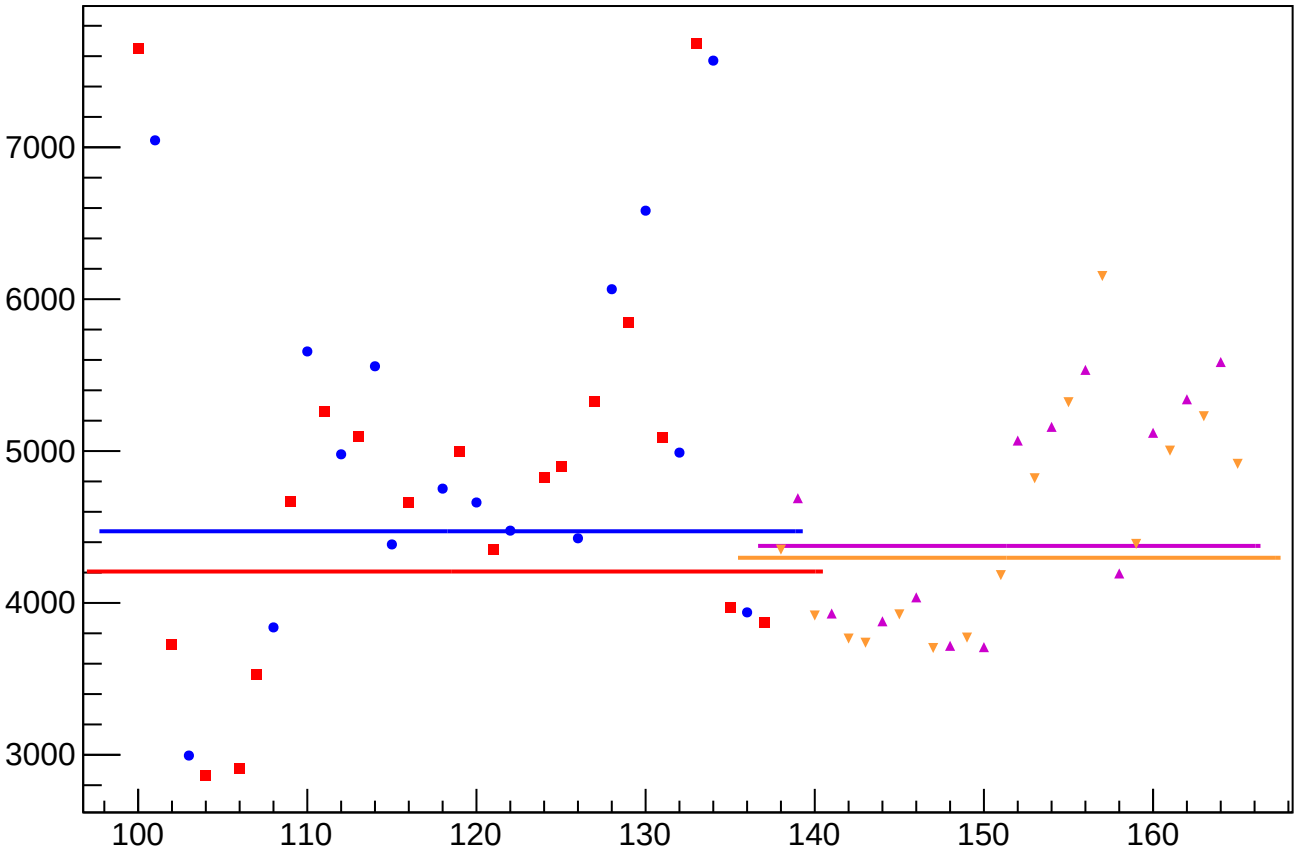
Left: 1083.701+/-920.899 χ^2/NDF: 27.7/27

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -677.195+/-1056.386 χ^2/NDF:31.4/28

Out: 954.851+/-999.478 χ^2/NDF:30.0/33

All: 183.970+/-726.023 χ^2/NDF: 62.7/62



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4297.436+/-0.897 χ^2/NDF:494696.5/14

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4375.557+/-0.947 χ^2/NDF:473848.2/12

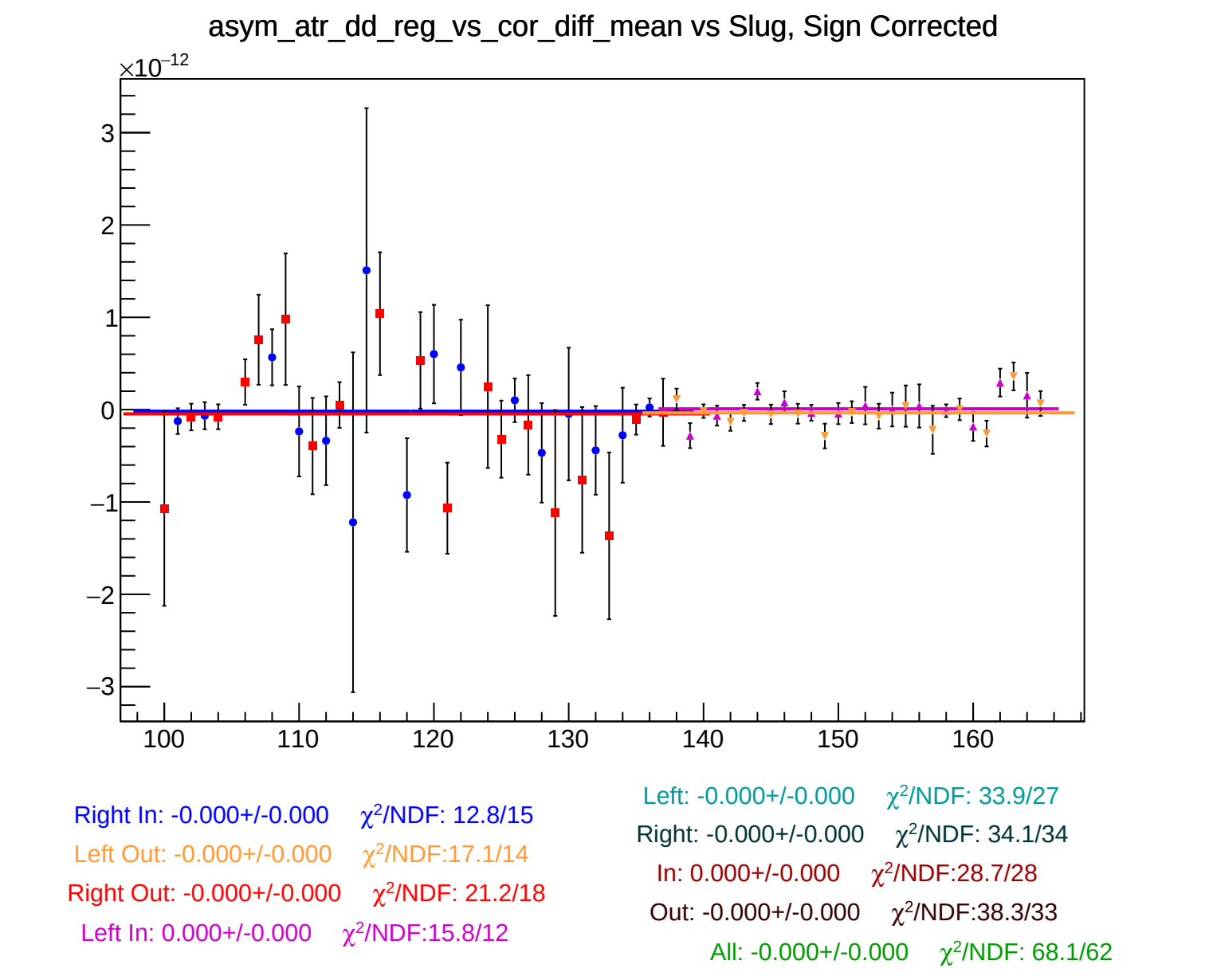
Left: 4334.401+/-0.651 χ^2/NDF: 972132.6/27

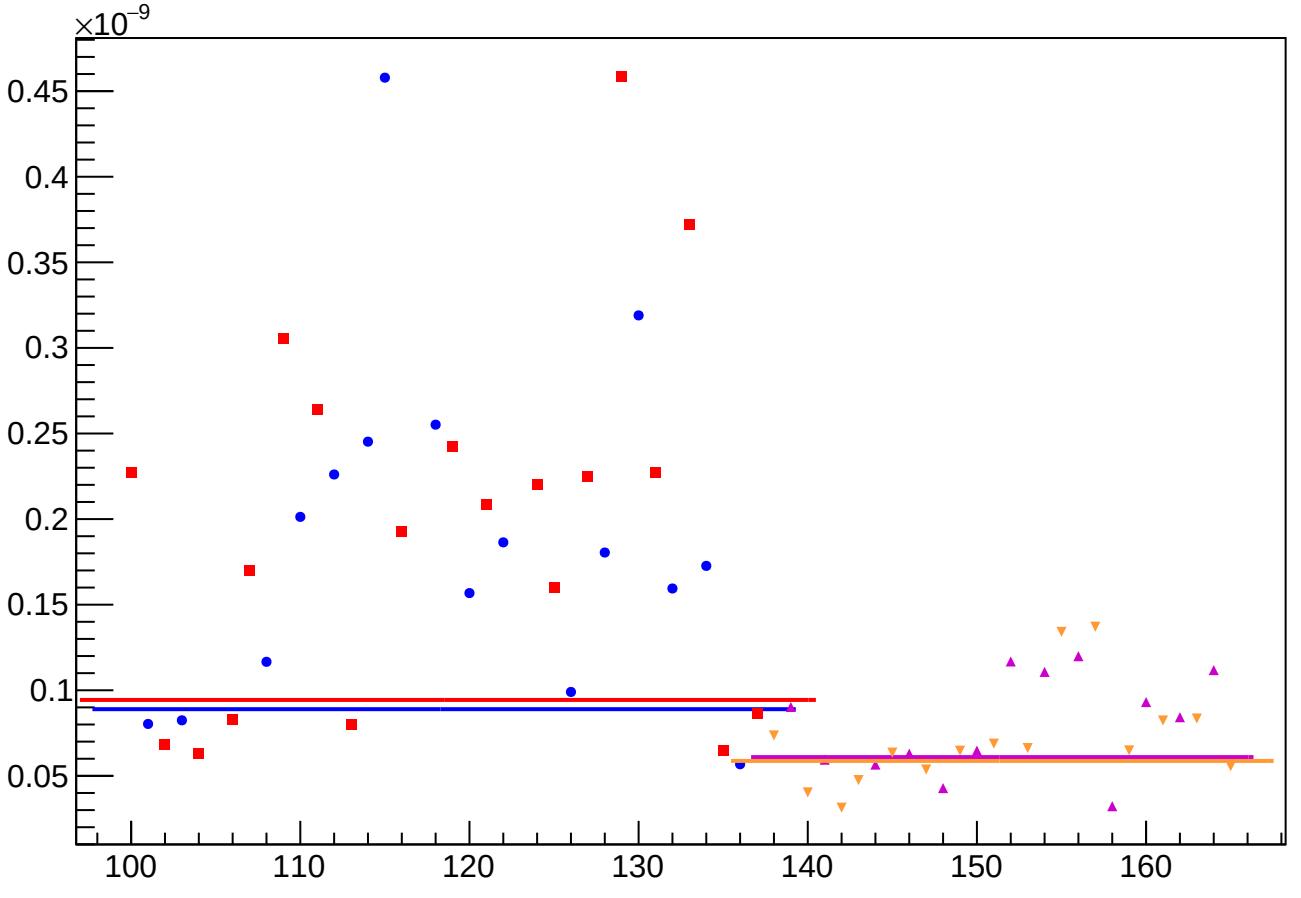
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4411.913+/-0.747 χ^2/NDF:1369435.5/28

Out: 4262.736+/-0.705 χ^2/NDF:1345124.6/33

All: 4332.966+/-0.513 χ^2/NDF: 2735667.0/62


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:17.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: 0.000+/-0.000 χ²/NDF:15.8/12
Left: -0.000+/-0.000 χ²/NDF: 33.9/27
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: 0.000+/-0.000 χ²/NDF:28.7/28
Out: -0.000+/-0.000 χ²/NDF:38.3/33
All: -0.000+/-0.000 χ²/NDF: 68.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:913437.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1183482.4/12

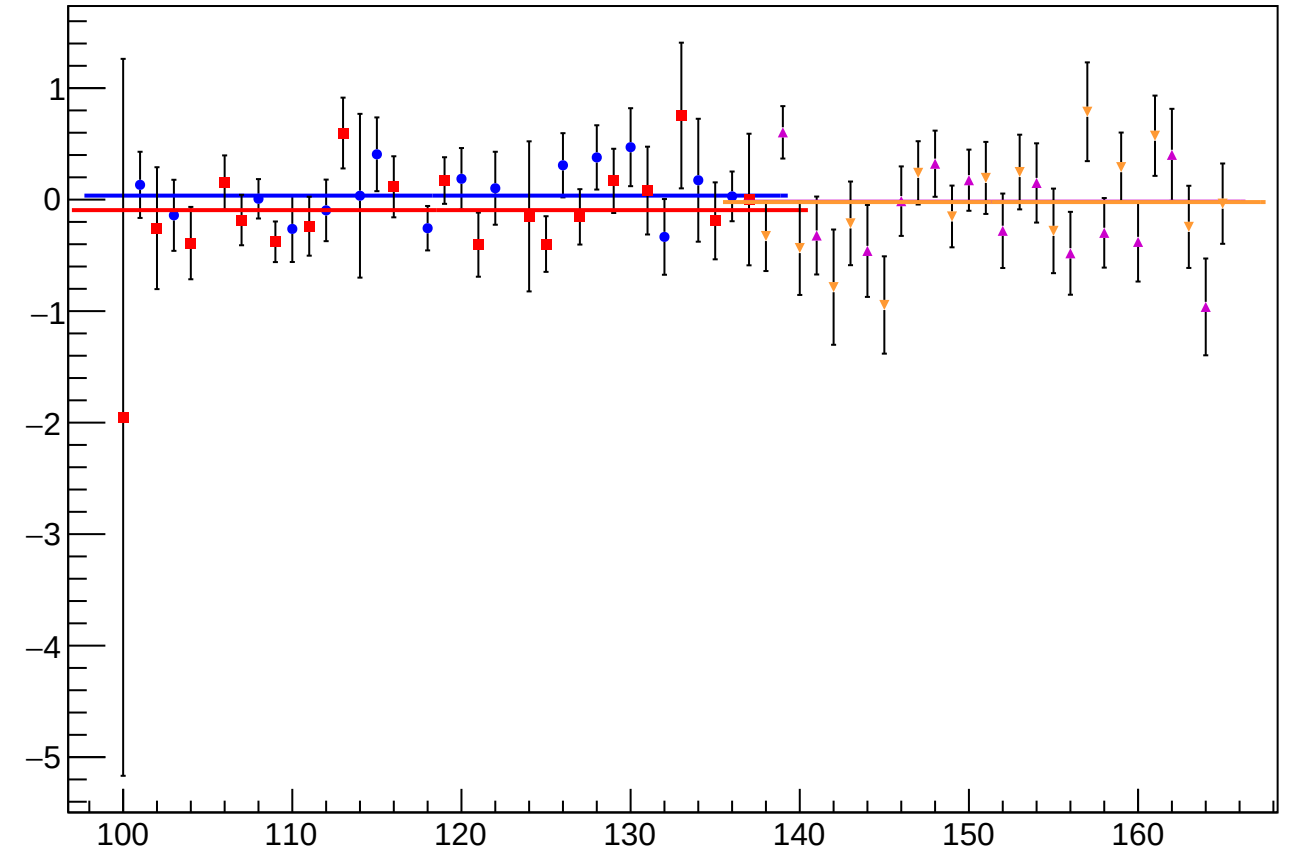
Left: 0.000+/-0.000 χ^2/NDF: 2101991.2/27

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2736563.2/28

Out: 0.000+/-0.000 χ^2/NDF:3067862.9/33

All: 0.000+/-0.000 χ^2/NDF: 5813575.7/62



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.064 χ^2/NDF: 39.6/27

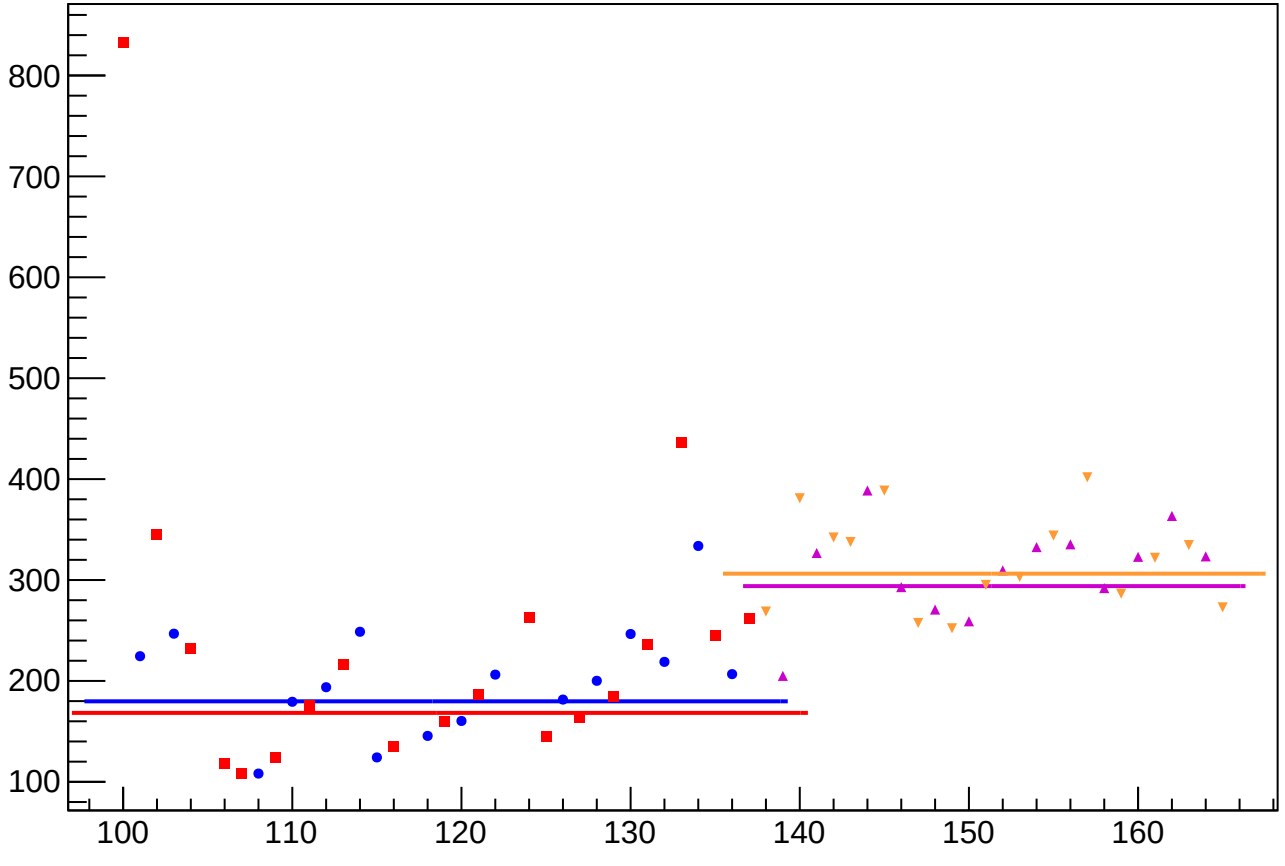
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.028+/-0.039 χ^2/NDF: 69.5/62

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.289+/-0.064 χ^2/NDF:478583.0/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

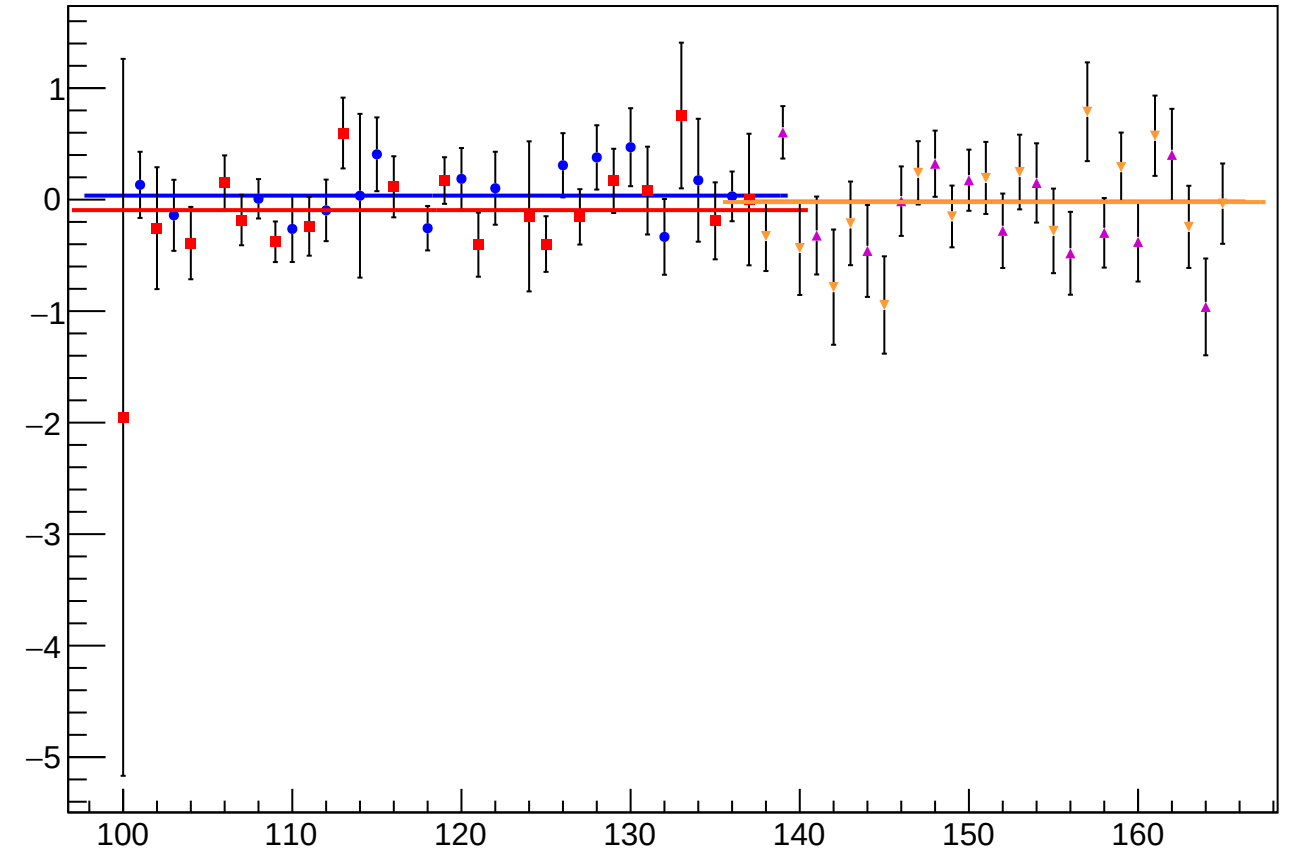
Left: 300.137+/-0.045 χ^2/NDF: 1083538.9/27

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.640+/-0.039 χ^2/NDF:3468908.1/28

Out: 217.507+/-0.038 χ^2/NDF:4853837.1/33

All: 220.002+/-0.028 χ^2/NDF: 8331445.1/62



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.064 χ^2/NDF: 39.6/27

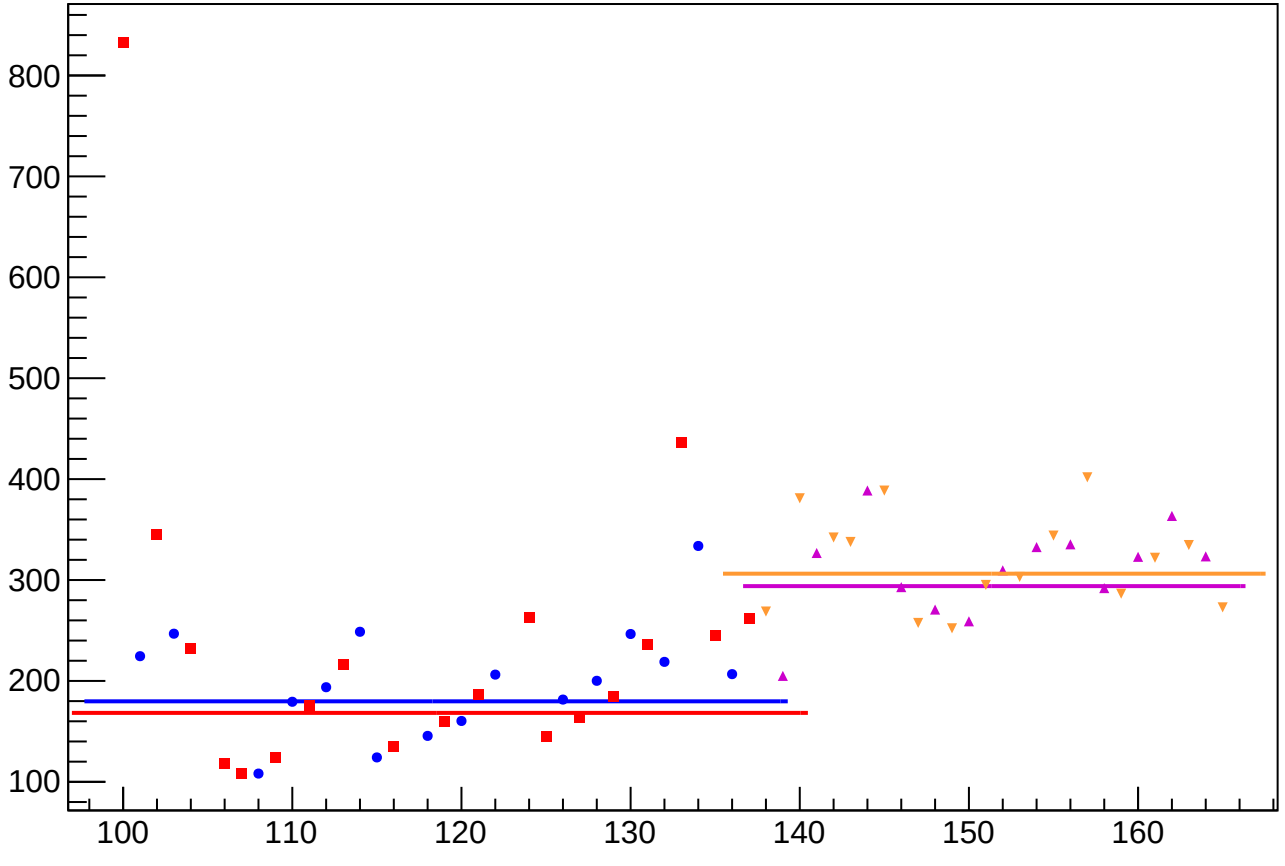
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.028+/-0.039 χ^2/NDF: 69.5/62

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.289+/-0.064 χ^2/NDF:478583.0/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

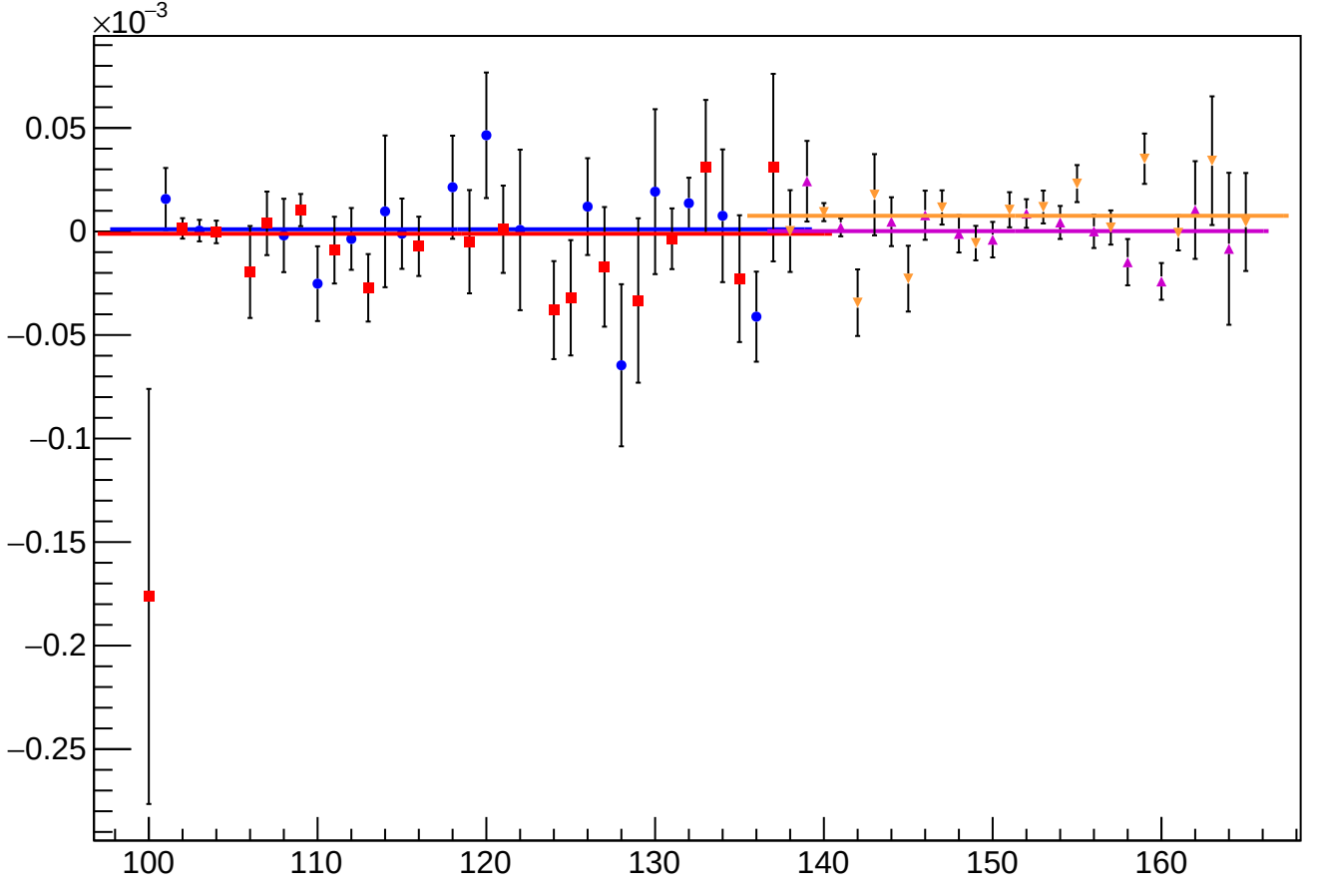
Left: 300.137+/-0.045 χ^2/NDF: 1083538.9/27

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.640+/-0.039 χ^2/NDF:3468908.1/28

Out: 217.507+/-0.038 χ^2/NDF:4853837.1/33

All: 220.002+/-0.028 χ^2/NDF: 8331445.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/12

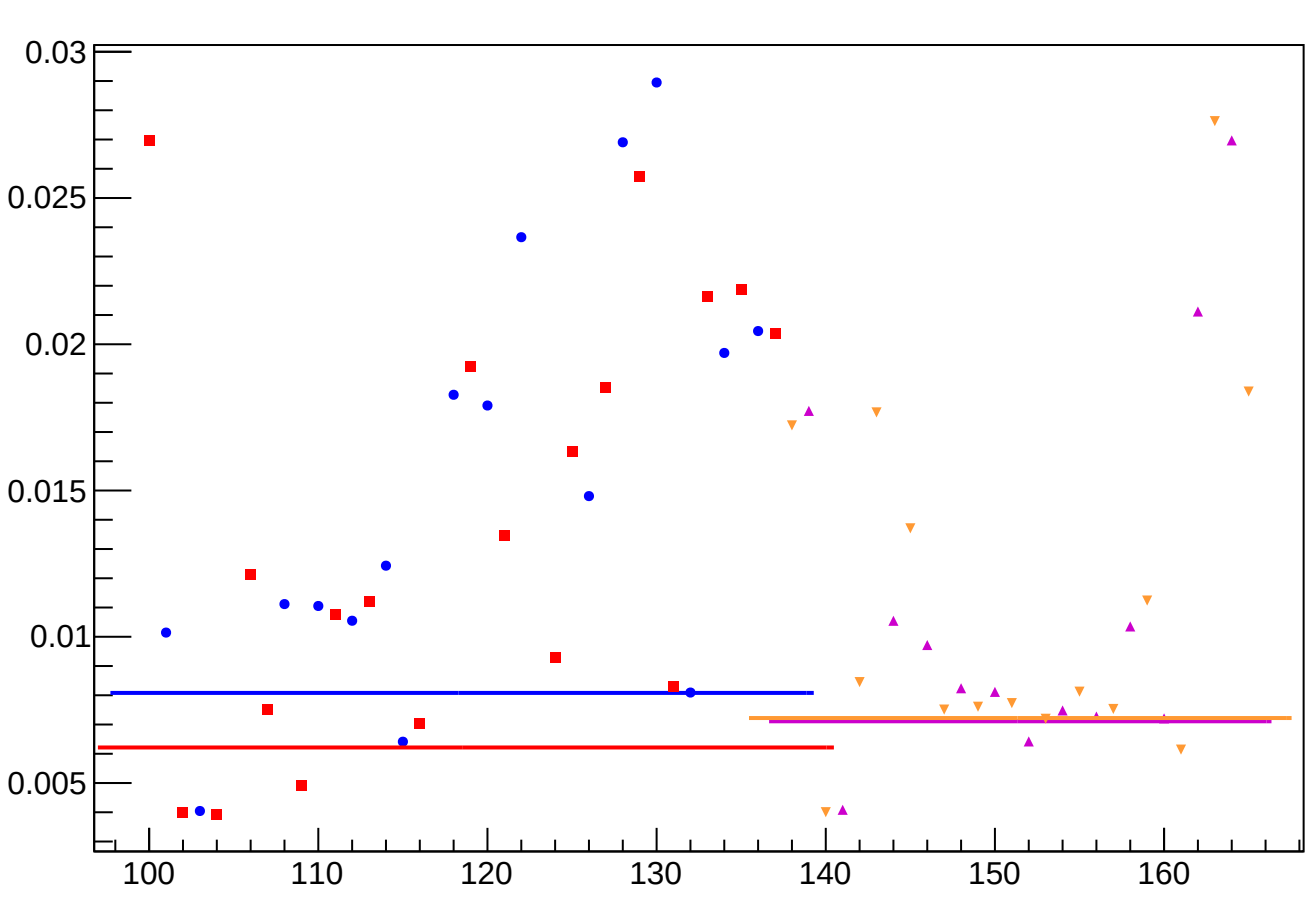
Left: 0.000+/-0.000 χ^2/NDF: 43.1/27

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:28.2/28

Out: 0.000+/-0.000 χ^2/NDF:46.0/33

All: 0.000+/-0.000 χ^2/NDF: 75.9/62



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4106778.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:3369765.1/12

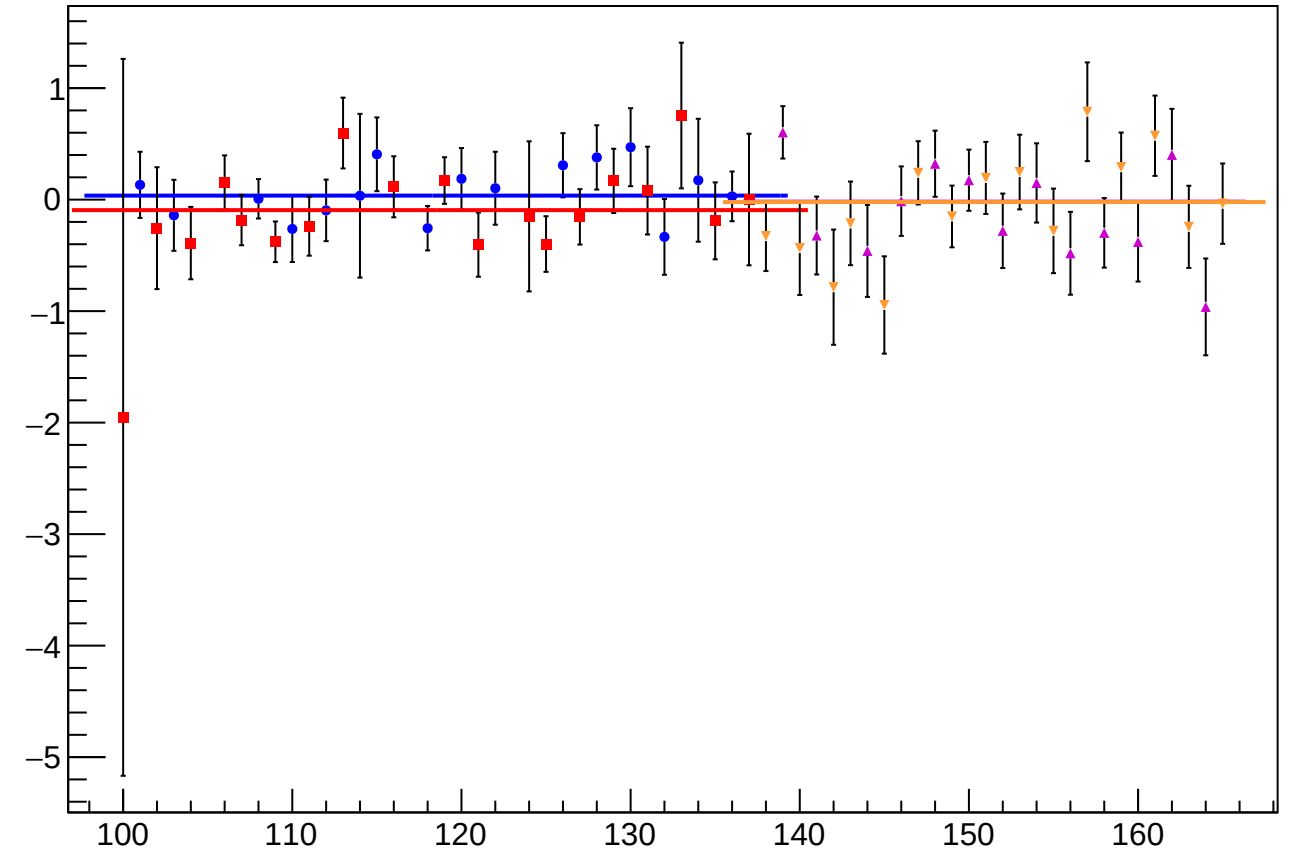
Left: 0.007+/-0.000 χ^2/NDF: 7478683.7/27

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:7879147.7/28

Out: 0.007+/-0.000 χ^2/NDF:8816295.3/33

All: 0.007+/-0.000 χ^2/NDF: 16792184.6/62



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.064 χ^2/NDF: 39.6/27

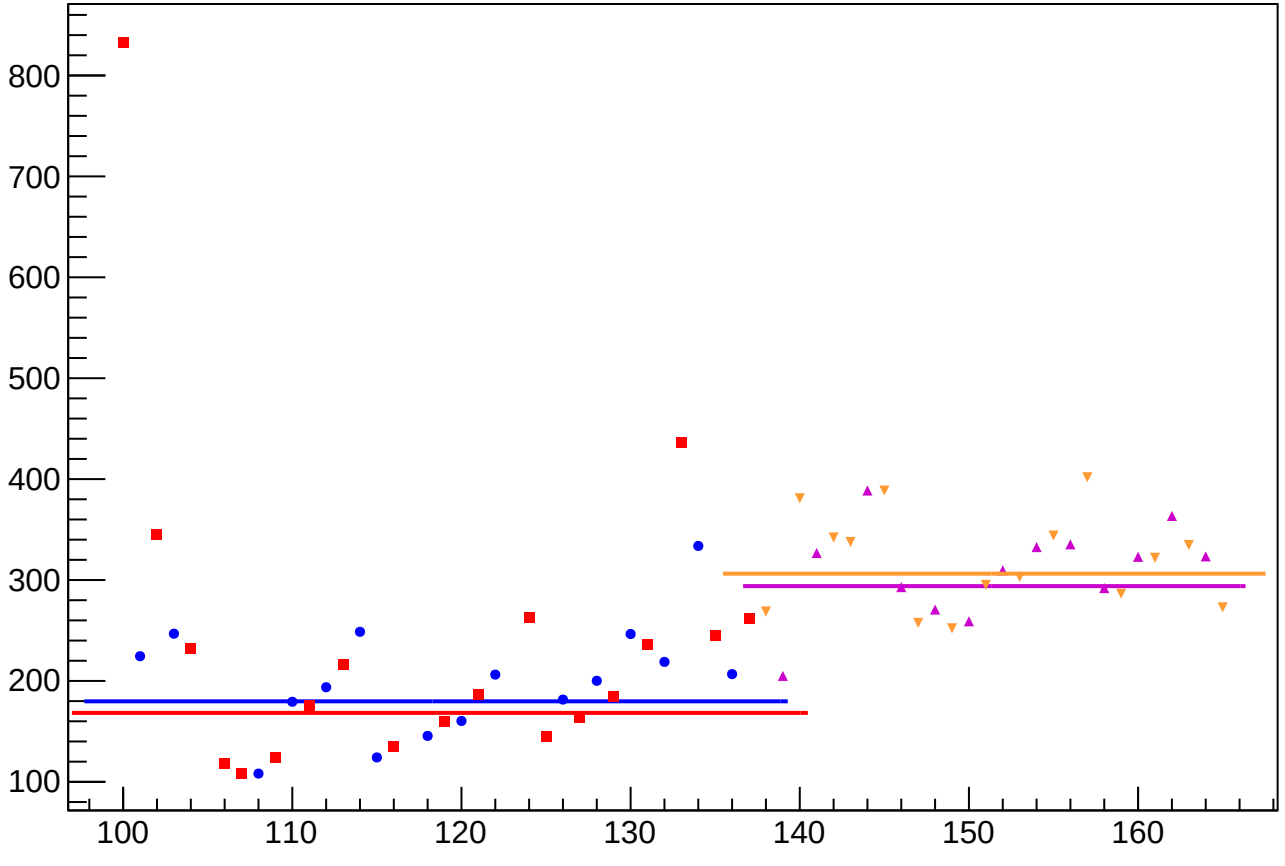
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.028+/-0.039 χ^2/NDF: 69.5/62

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.294+/-0.064 χ^2/NDF:478563.1/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

Left: 300.142+/-0.045 χ^2/NDF: 1083506.5/27

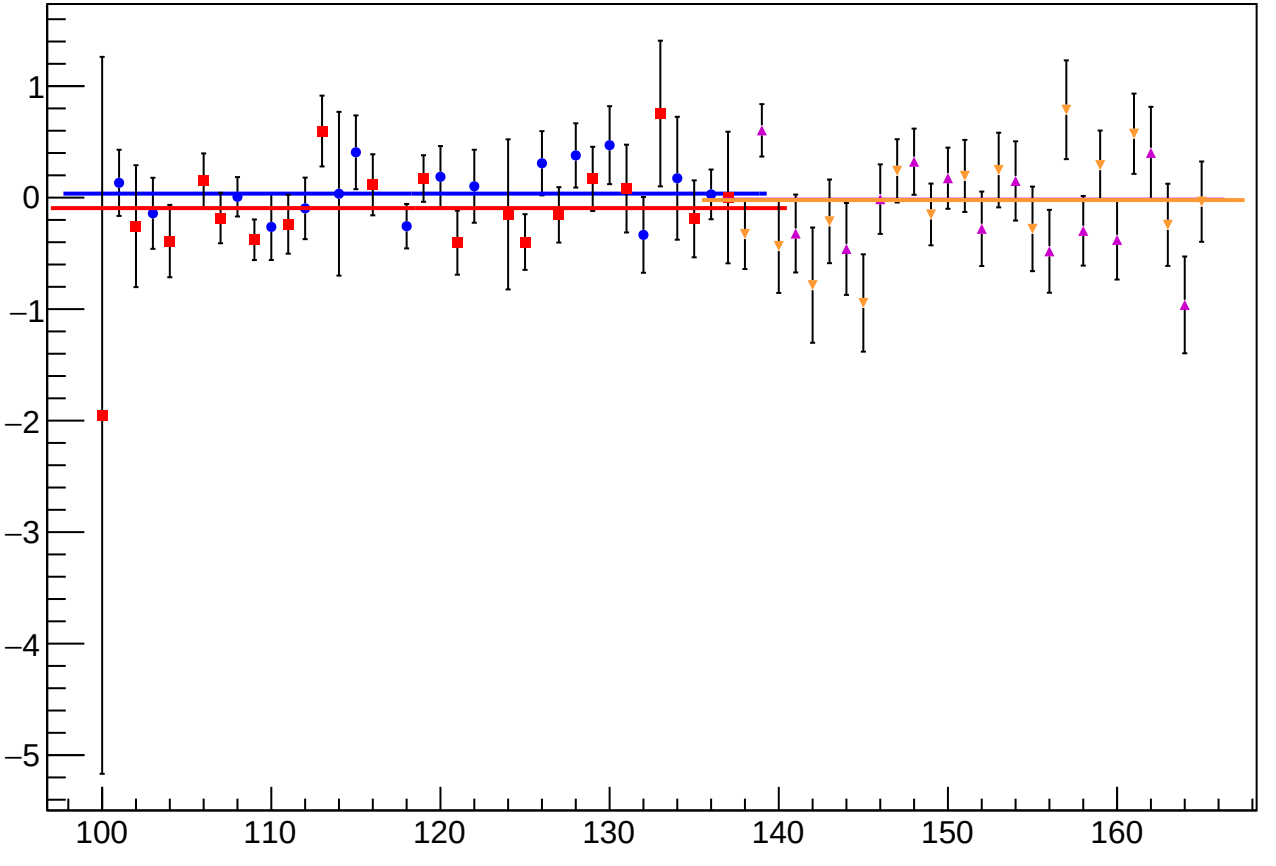
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.639+/-0.039 χ^2/NDF:3469171.6/28

Out: 217.508+/-0.038 χ^2/NDF:4853991.0/33

All: 220.002+/-0.028 χ^2/NDF: 8331855.7/62

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.064 χ^2/NDF: 39.6/27

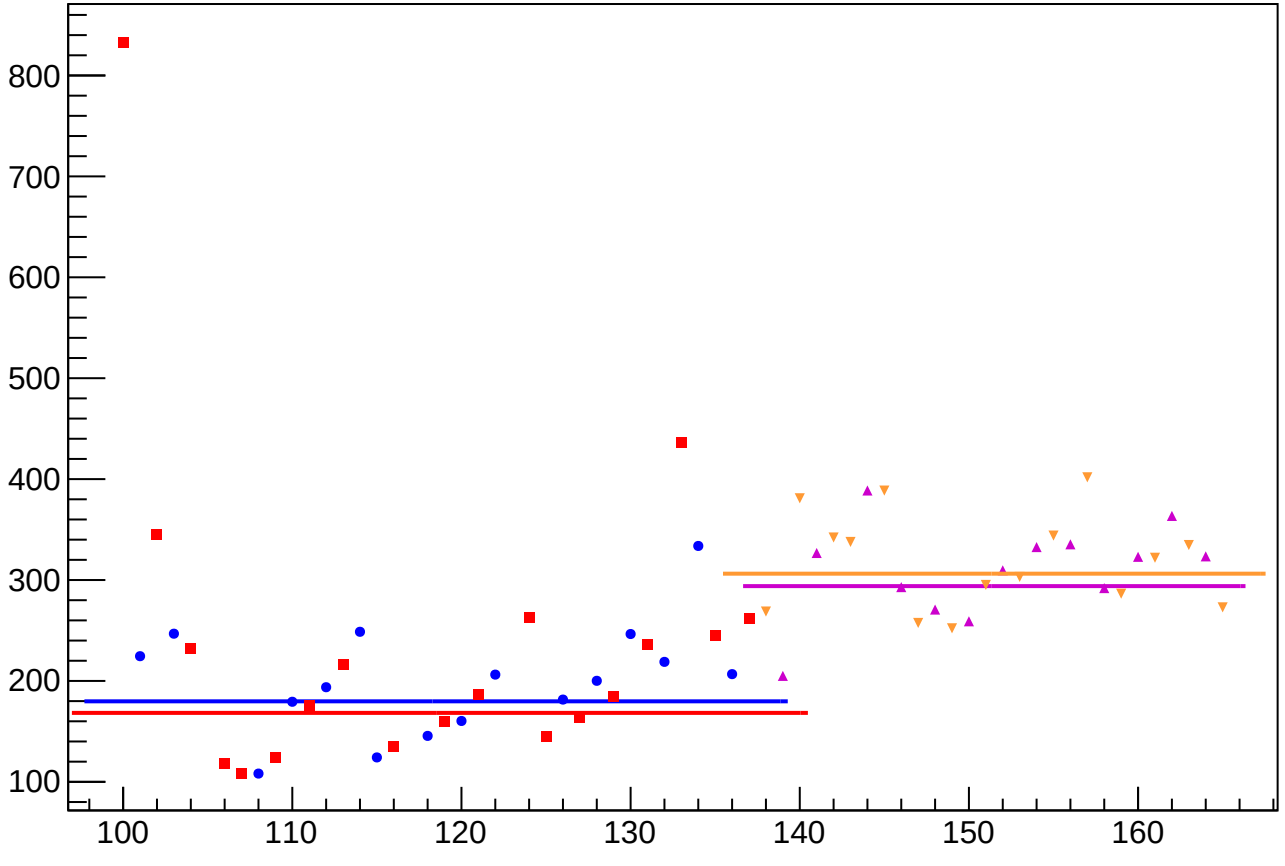
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.028+/-0.039 χ^2/NDF: 69.5/62

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: 306.294+/-0.064 χ^2/NDF:478563.1/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

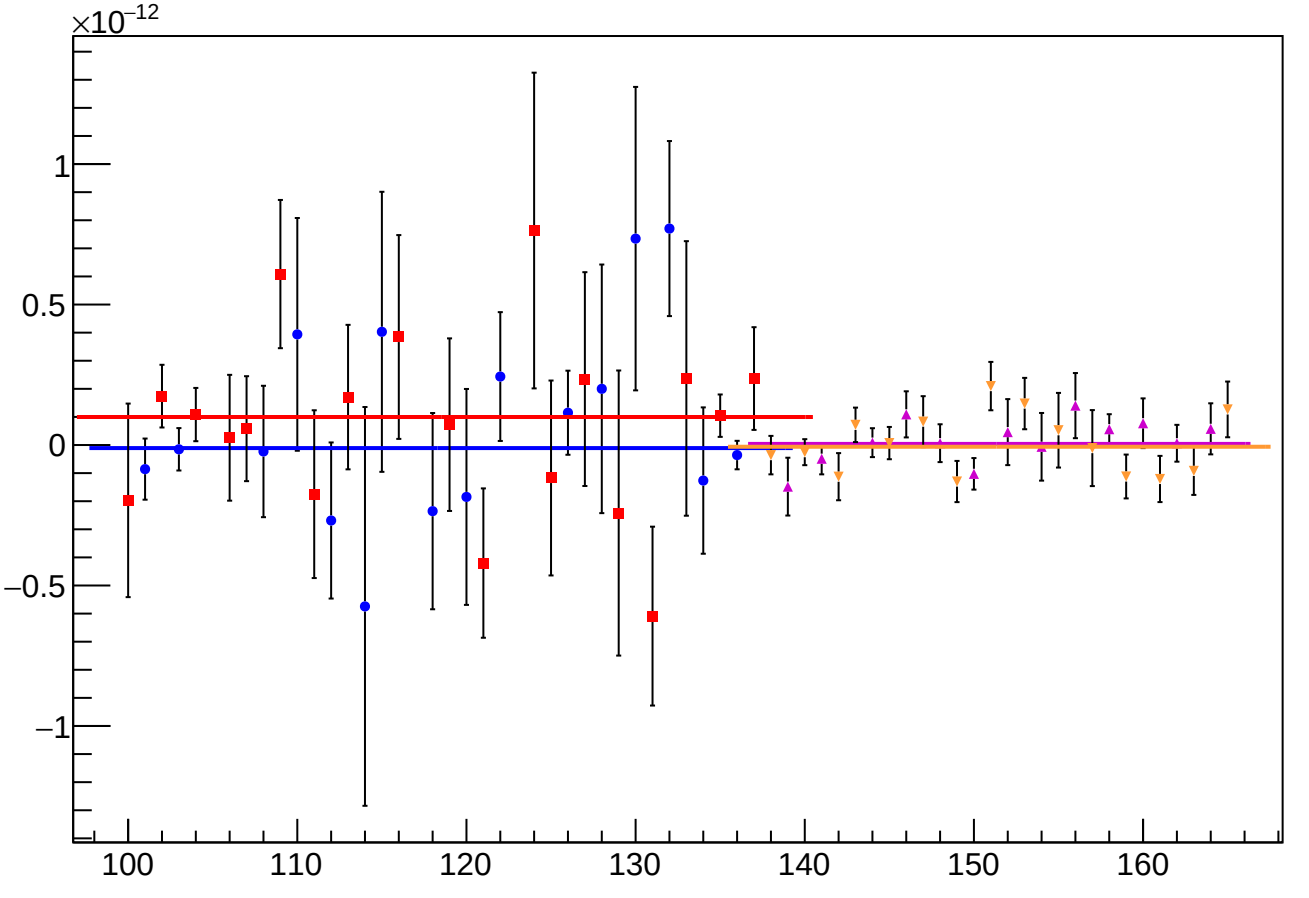
Left: 300.142+/-0.045 χ^2/NDF: 1083506.5/27

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.639+/-0.039 χ^2/NDF:3469171.6/28

Out: 217.508+/-0.038 χ^2/NDF:4853991.0/33

All: 220.002+/-0.028 χ^2/NDF: 8331855.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/12

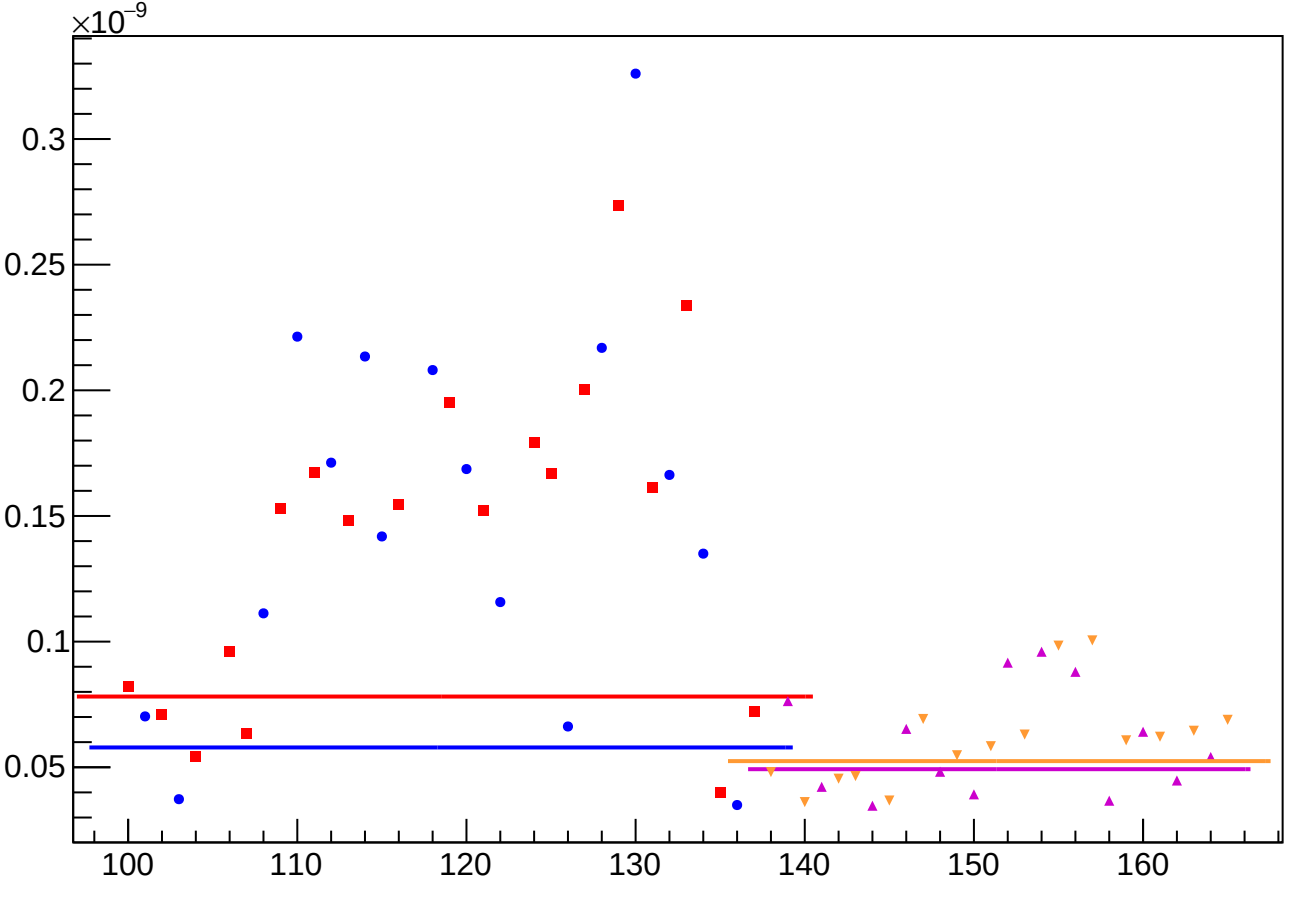
Left: -0.000+/-0.000 χ^2/NDF: 35.4/27

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:27.0/28

Out: 0.000+/-0.000 χ^2/NDF:47.0/33

All: 0.000+/-0.000 χ^2/NDF: 74.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181969.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1437979.0/12

Left: 0.000+/-0.000 χ^2/NDF: 2646502.3/27

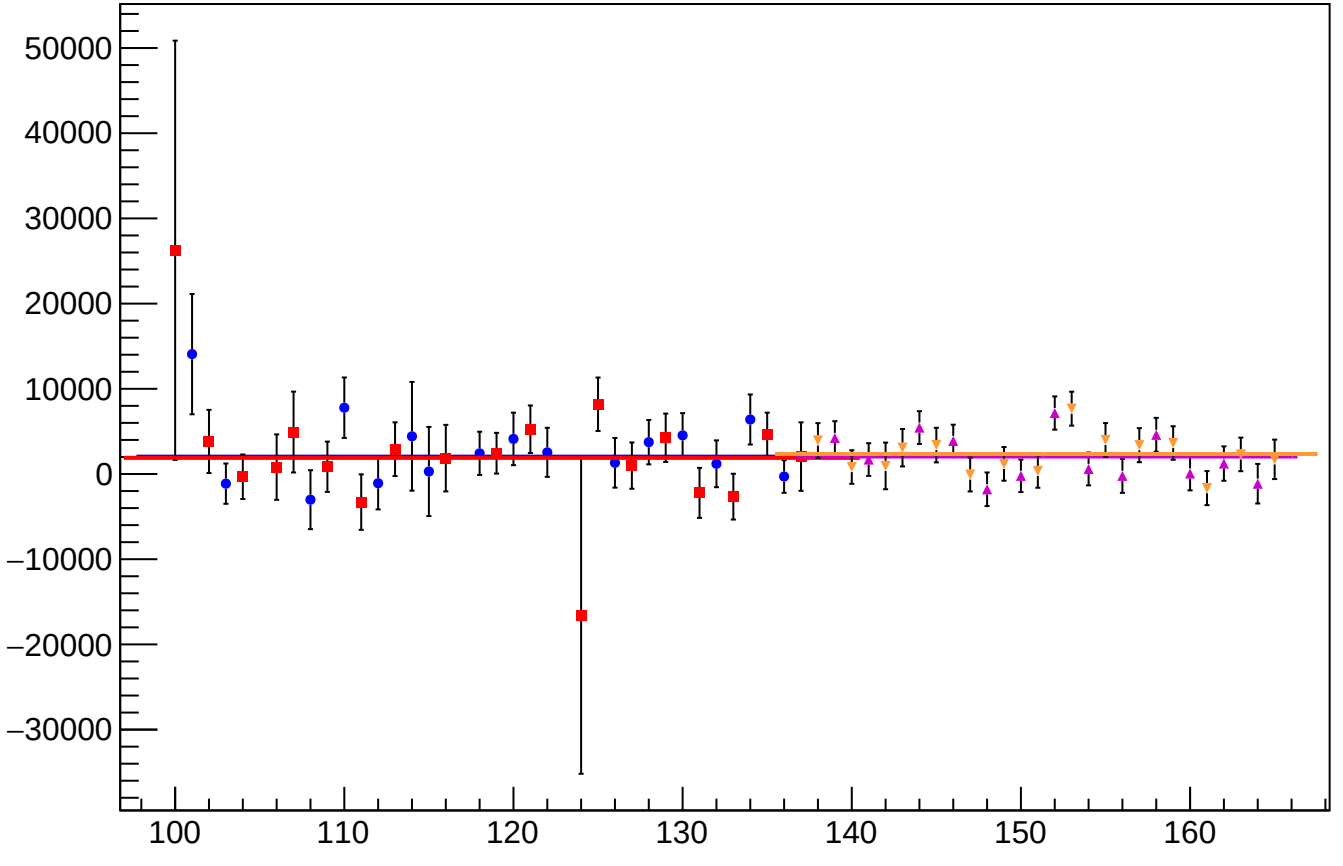
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4852304.4/28

Out: 0.000+/-0.000 χ^2/NDF:4526536.9/33

All: 0.000+/-0.000 χ^2/NDF: 9483975.7/62

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.189+/-530.255 χ^2/NDF:17.3/14

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2053.017+/-547.866 χ^2/NDF:23.9/12

Left: 2206.972+/-381.021 χ^2/NDF: 41.4/27

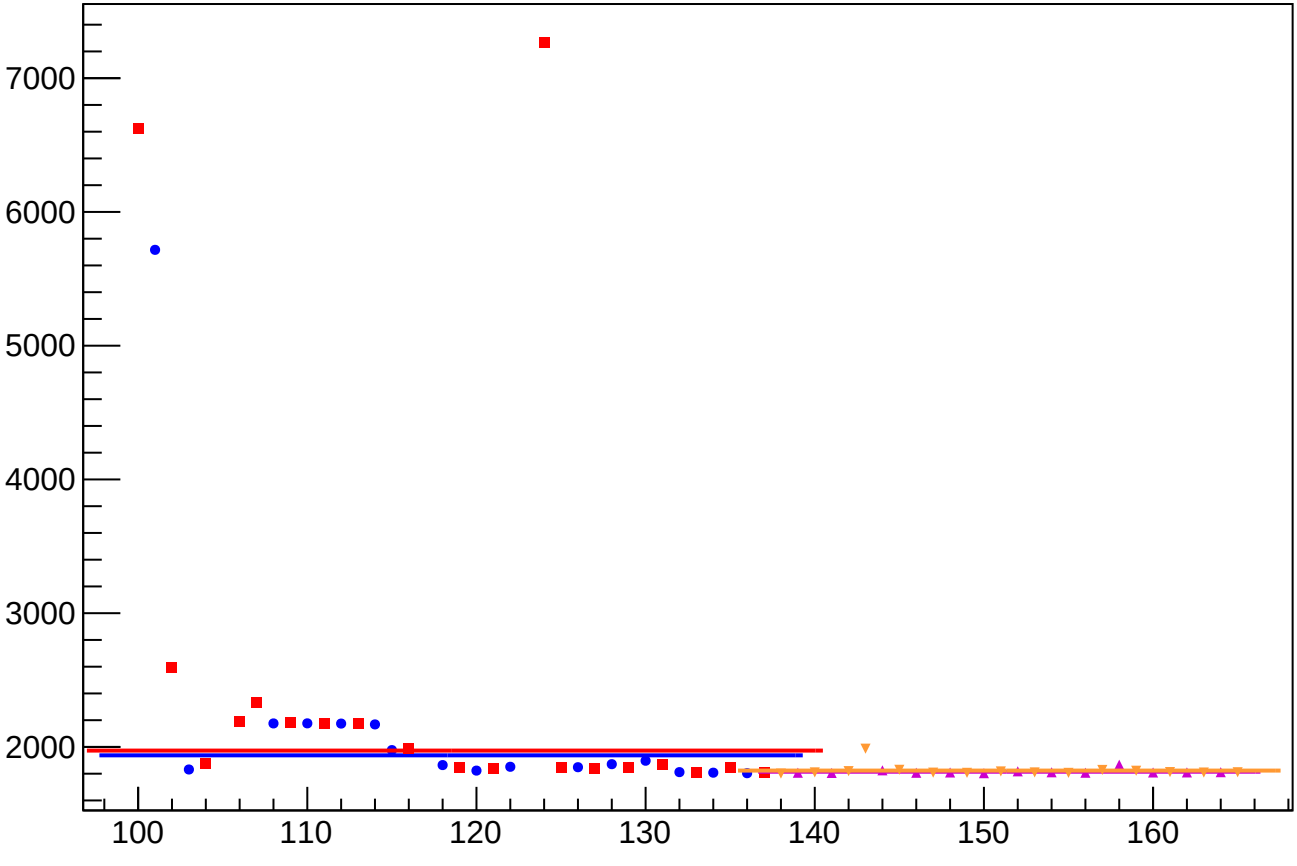
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2048.096+/-439.520 χ^2/NDF:40.4/28

Out: 2195.606+/-430.379 χ^2/NDF:36.0/33

All: 2123.401+/-307.505 χ^2/NDF: 76.5/62

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

Left: 1819.074+/-0.269 χ^2/NDF: 14193.3/27

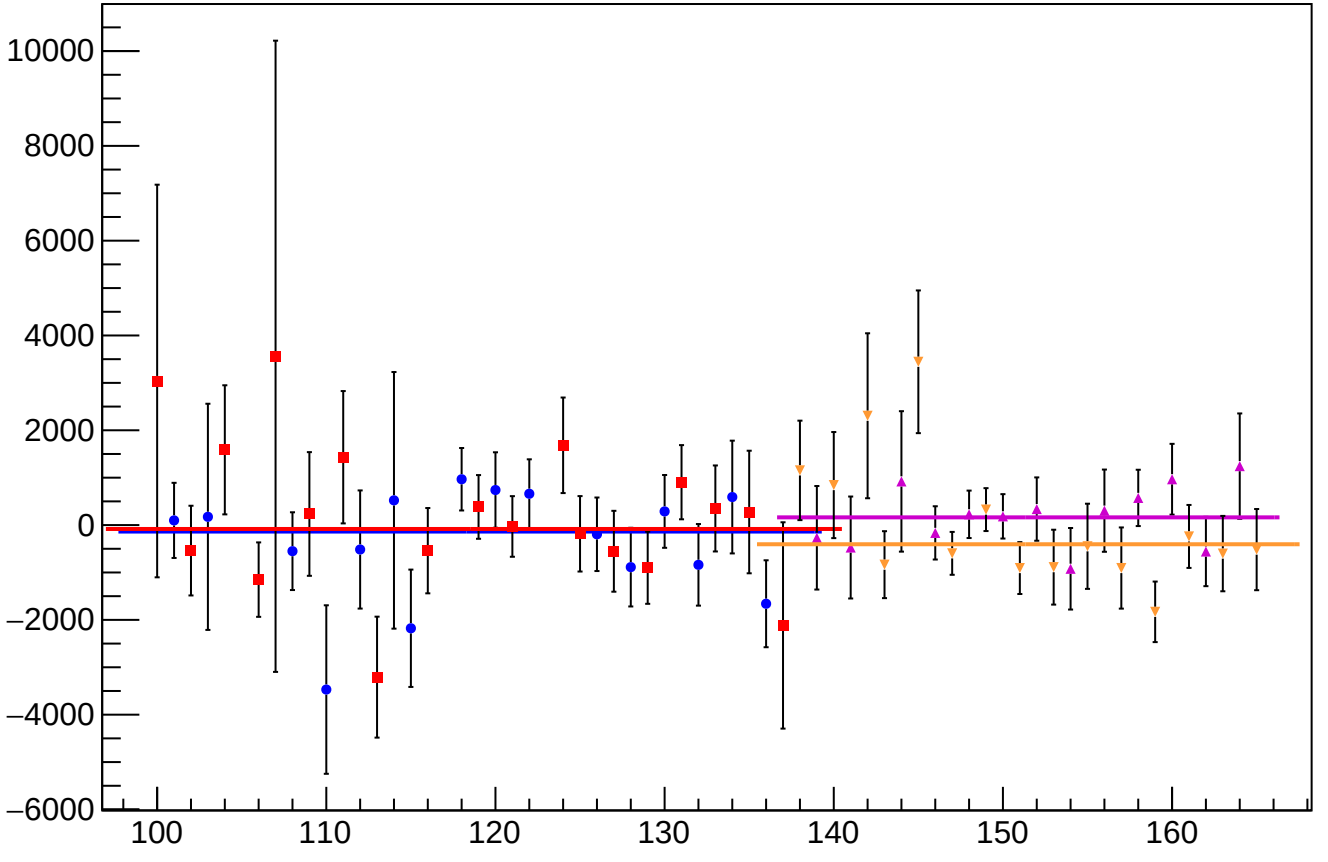
Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1858.330+/-0.311 χ^2/NDF:675524.1/28

Out: 1874.263+/-0.304 χ^2/NDF:444015.9/33

All: 1866.464+/-0.217 χ^2/NDF: 1120881.8/62

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -404.519+/-184.234 χ^2/NDF:22.3/14

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 162.764+/-195.695 χ^2/NDF:6.4/12

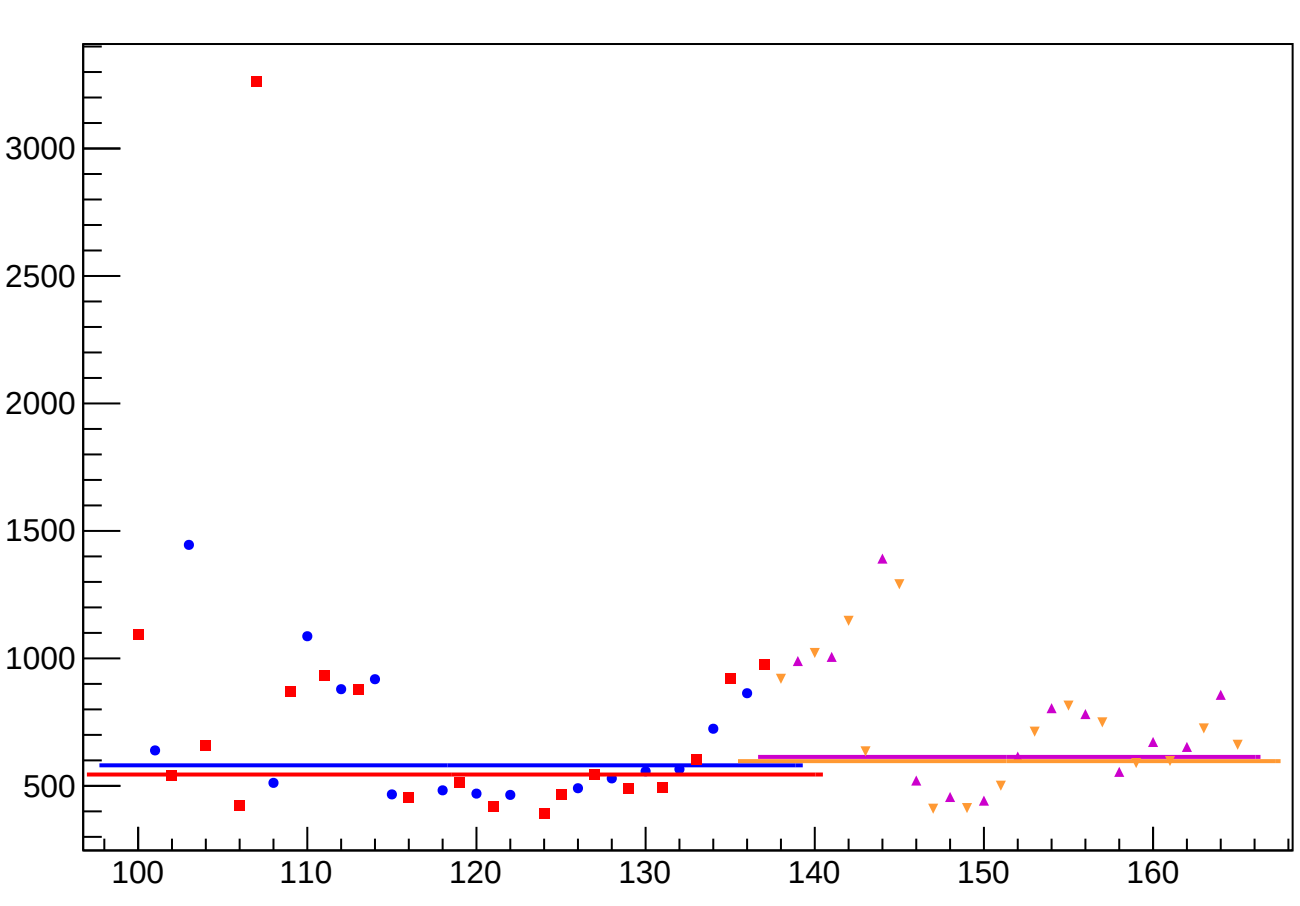
Left: -137.975+/-134.142 χ^2/NDF: 33.1/27

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 37.306+/-149.162 χ^2/NDF:24.2/28

Out: -273.120+/-141.777 χ^2/NDF:43.3/33

All: -125.782+/-102.763 χ^2/NDF: 69.8/62



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 597.014+/-0.130 χ^2/NDF:2128224.9/14

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 613.650+/-0.138 χ^2/NDF:1882249.0/12

Left: 604.831+/-0.095 χ^2/NDF: 4018135.9/27

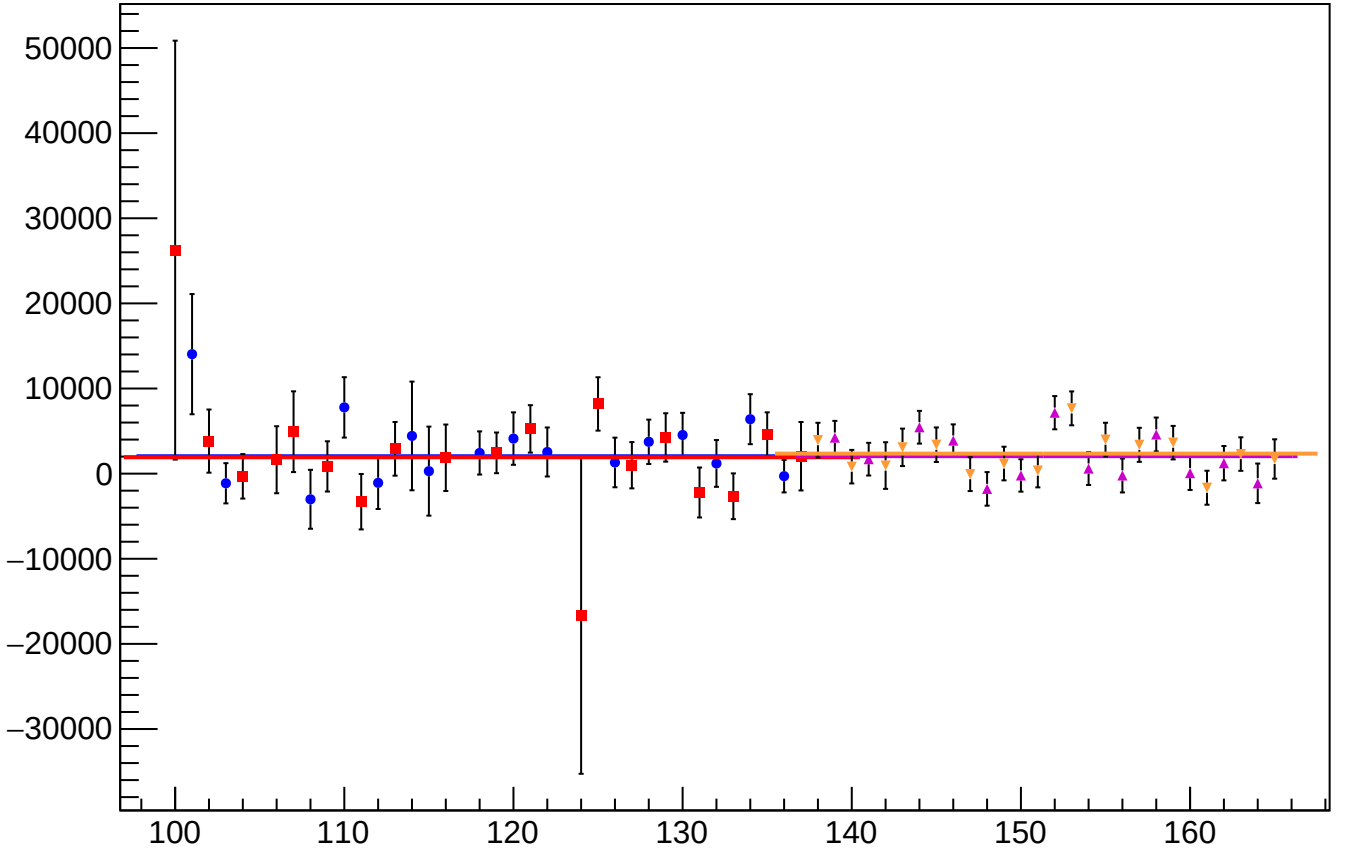
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 599.806+/-0.105 χ^2/NDF:2909547.1/28

Out: 575.612+/-0.100 χ^2/NDF:3482056.0/33

All: 587.095+/-0.073 χ^2/NDF: 6419246.1/62

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.165+/-530.255 χ^2/NDF:17.3/14

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2053.109+/-547.866 χ^2/NDF:23.9/12

Left: 2207.004+/-381.021 χ^2/NDF: 41.4/27

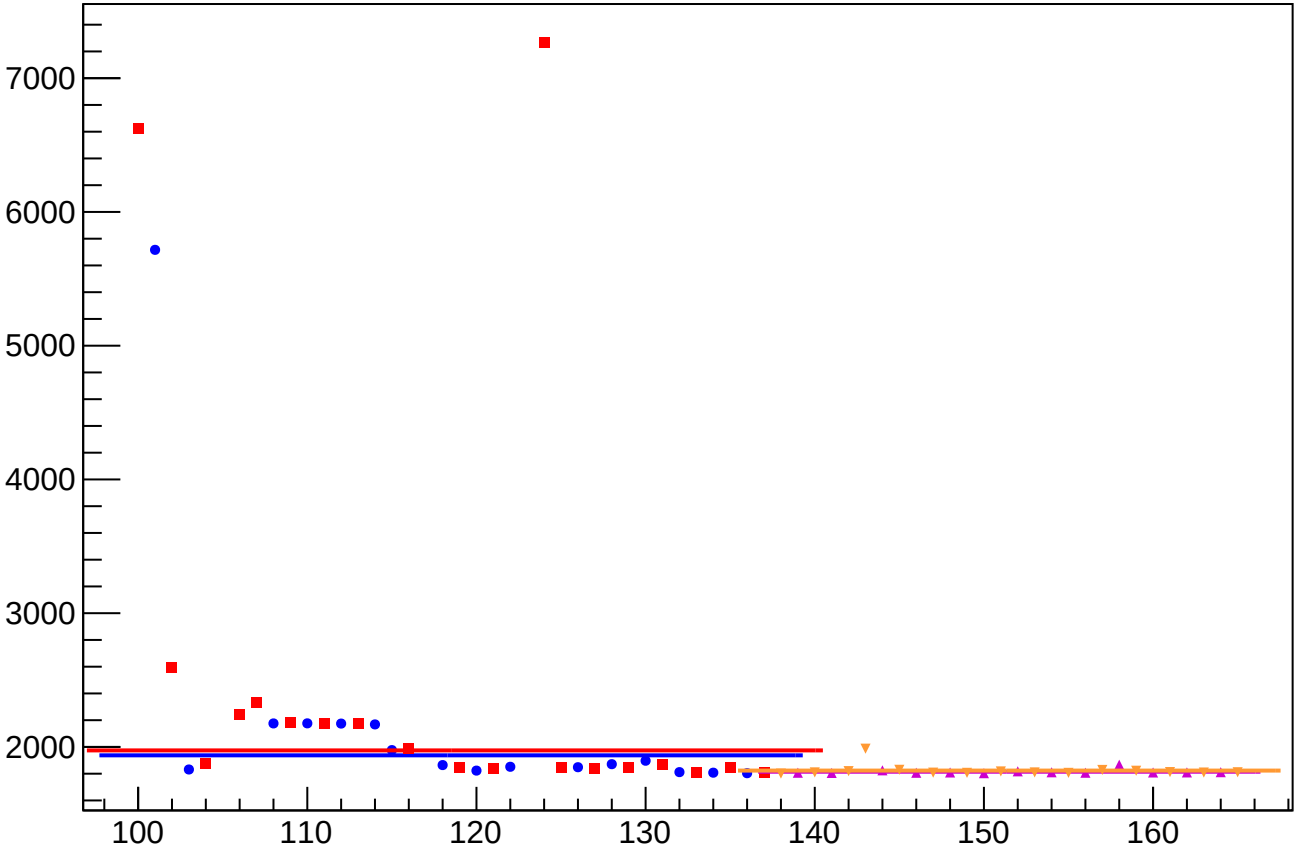
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2048.024+/-439.520 χ^2/NDF:40.4/28

Out: 2206.344+/-430.508 χ^2/NDF:35.9/33

All: 2128.824+/-307.552 χ^2/NDF: 76.4/62

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

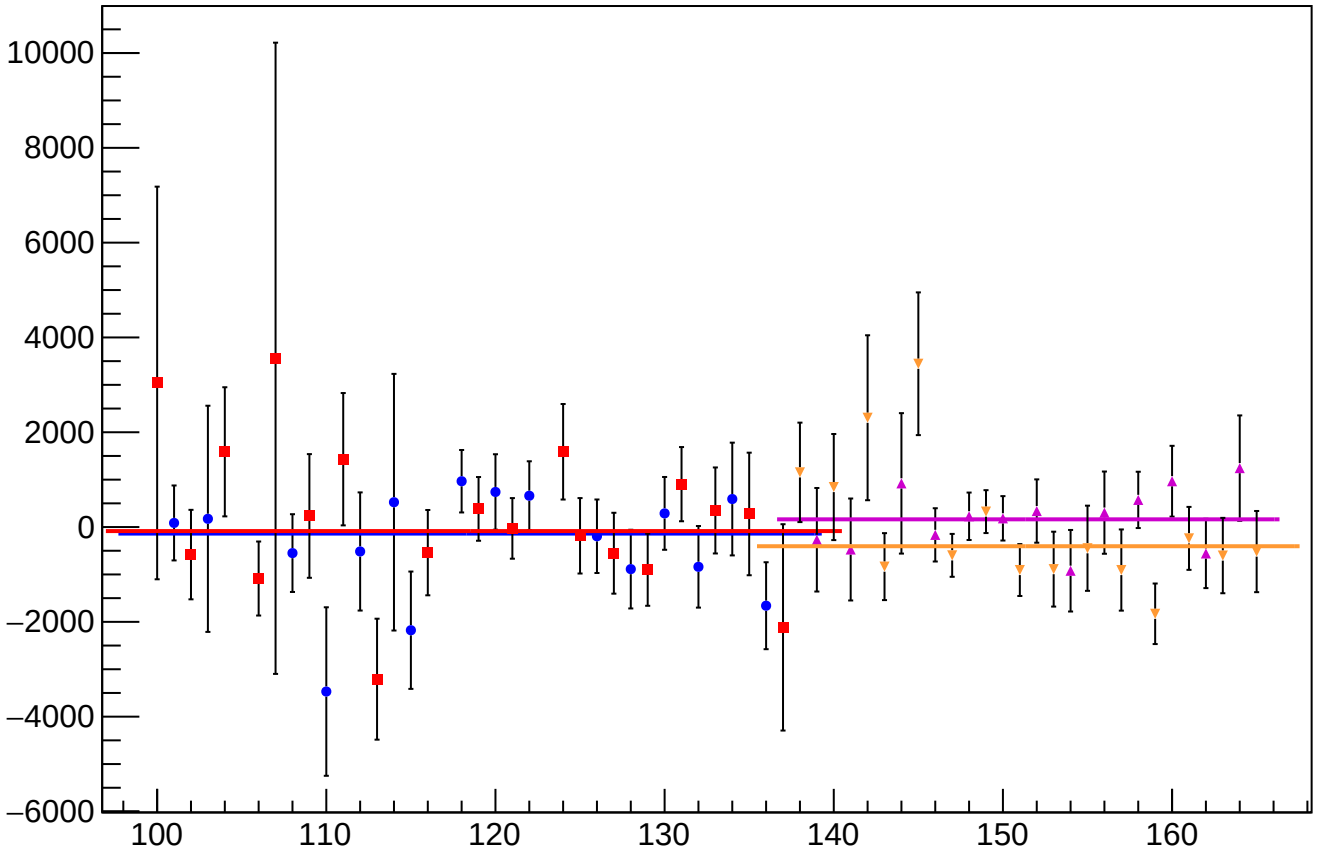
Left: 1819.074+/-0.269 χ^2/NDF: 14193.3/27

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1858.330+/-0.311 χ^2/NDF:675524.0/28

Out: 1874.679+/-0.304 χ^2/NDF:447862.4/33

All: 1866.674+/-0.217 χ^2/NDF: 1124798.9/62



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -404.621+/-184.235 χ^2/NDF:22.3/14

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 162.796+/-195.696 χ^2/NDF:6.4/12

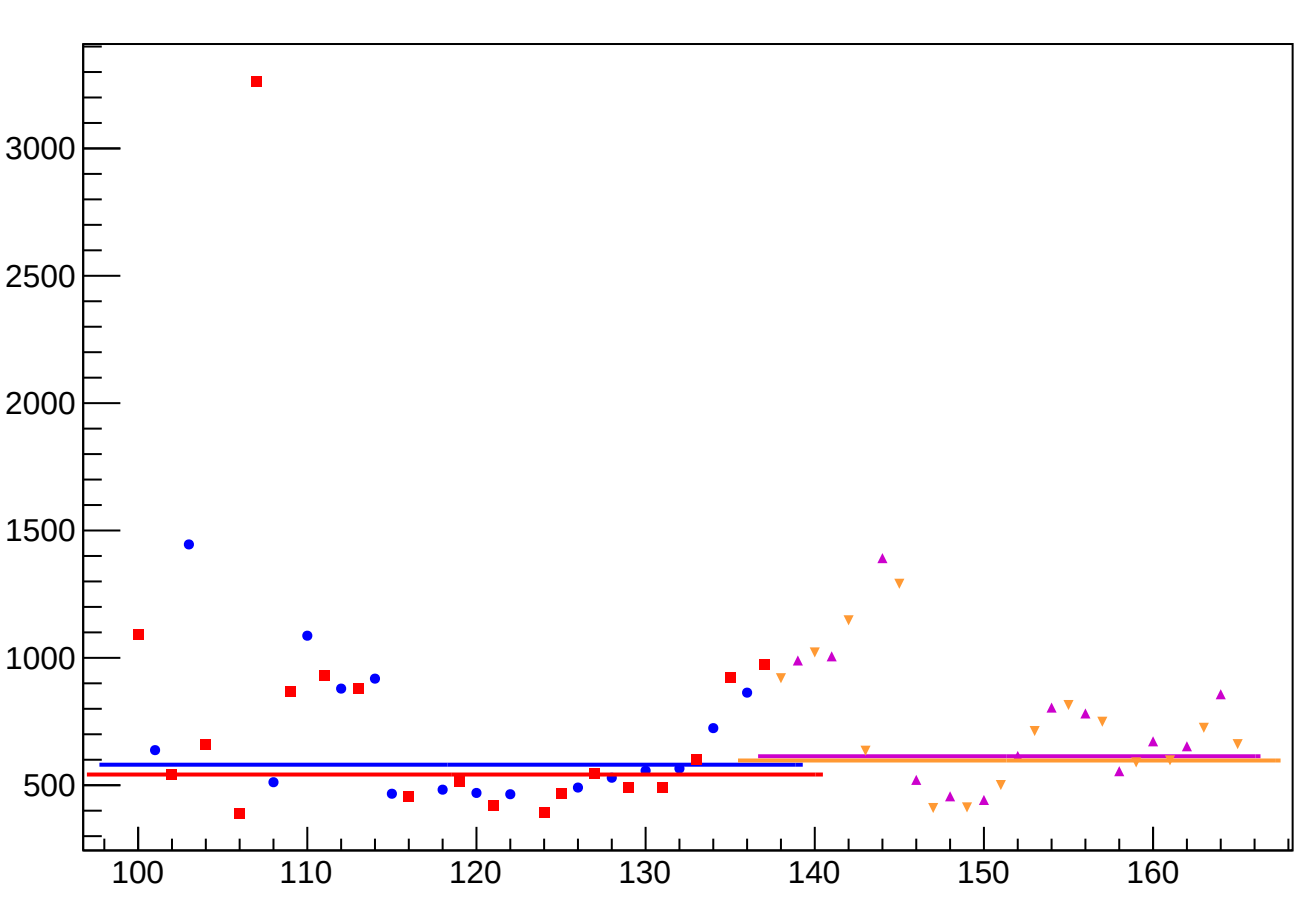
Left: -138.013+/-134.142 χ^2/NDF: 33.1/27

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 36.938+/-149.149 χ^2/NDF:24.2/28

Out: -274.165+/-141.742 χ^2/NDF:42.8/33

All: -126.530+/-102.746 χ^2/NDF: 69.3/62



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 597.018+/-0.130 χ^2/NDF:2128329.1/14

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

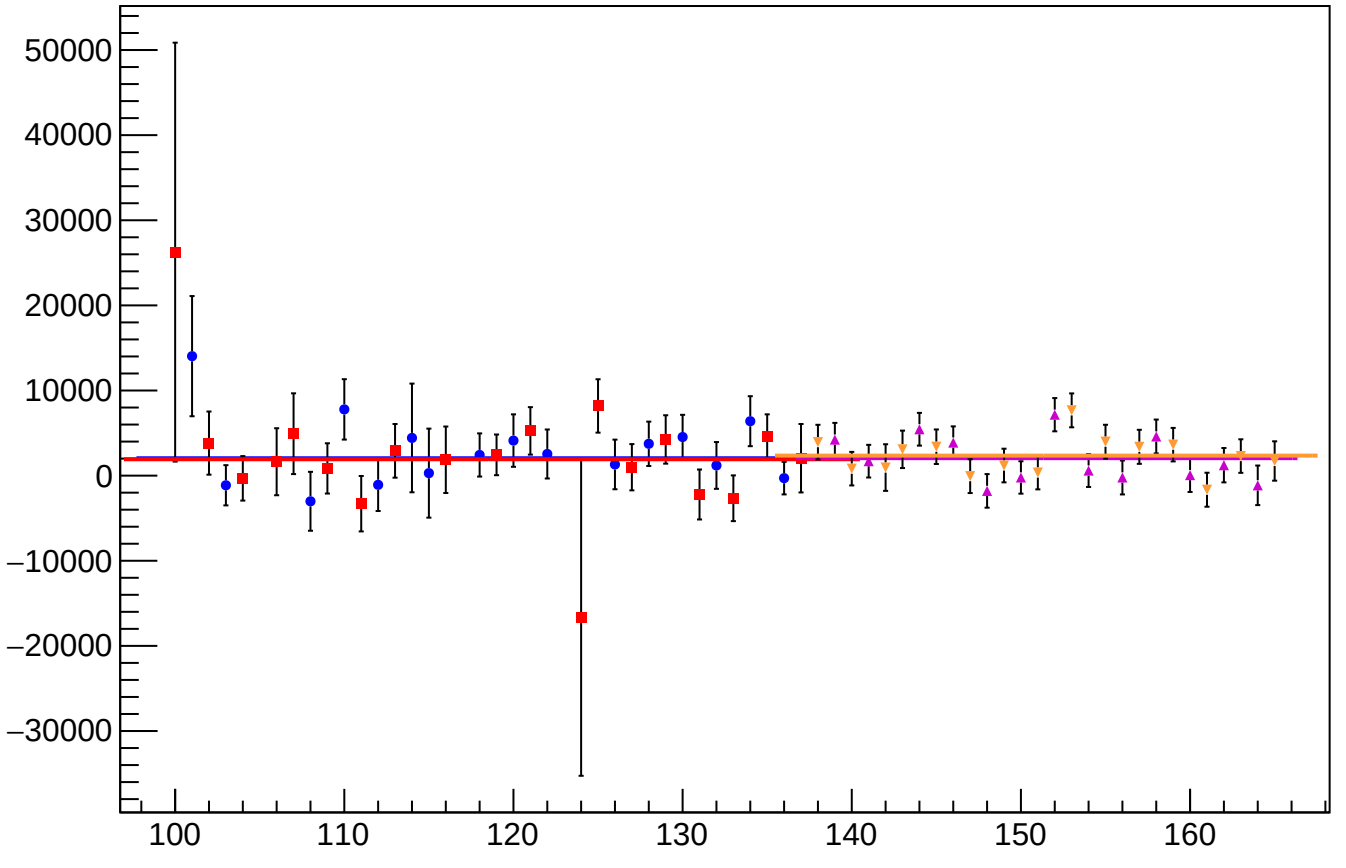
Left: 604.834+/-0.095 χ^2/NDF: 4018286.7/27

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 599.766+/-0.105 χ^2/NDF:2909227.9/28

Out: 574.541+/-0.100 χ^2/NDF:3520129.7/33

All: 586.511+/-0.073 χ^2/NDF: 6459416.5/62



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.165+/-530.255 χ^2/NDF:17.3/14

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2053.109+/-547.866 χ^2/NDF:23.9/12

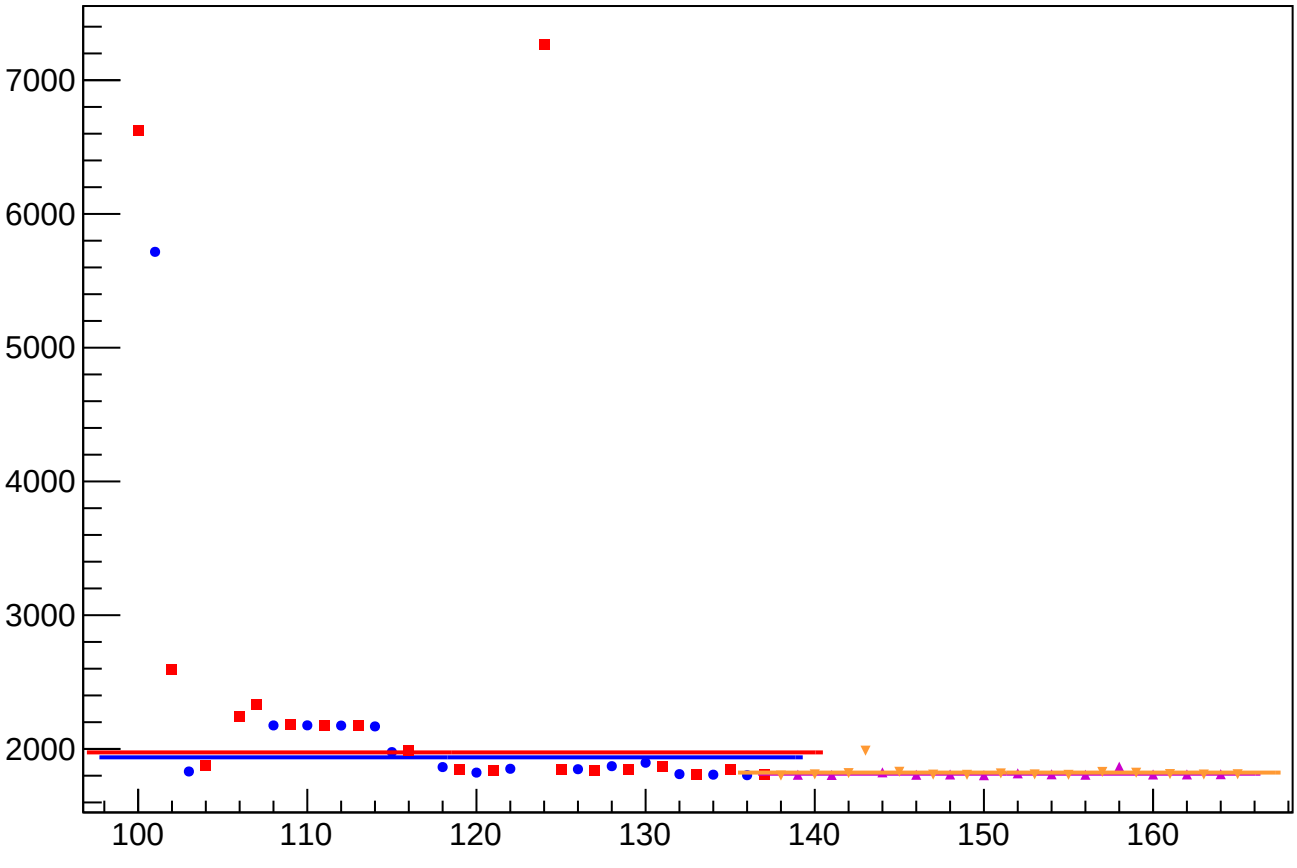
Left: 2207.004+/-381.021 χ^2/NDF: 41.4/27

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2048.024+/-439.520 χ^2/NDF:40.4/28

Out: 2206.344+/-430.508 χ^2/NDF:35.9/33

All: 2128.824+/-307.552 χ^2/NDF: 76.4/62



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

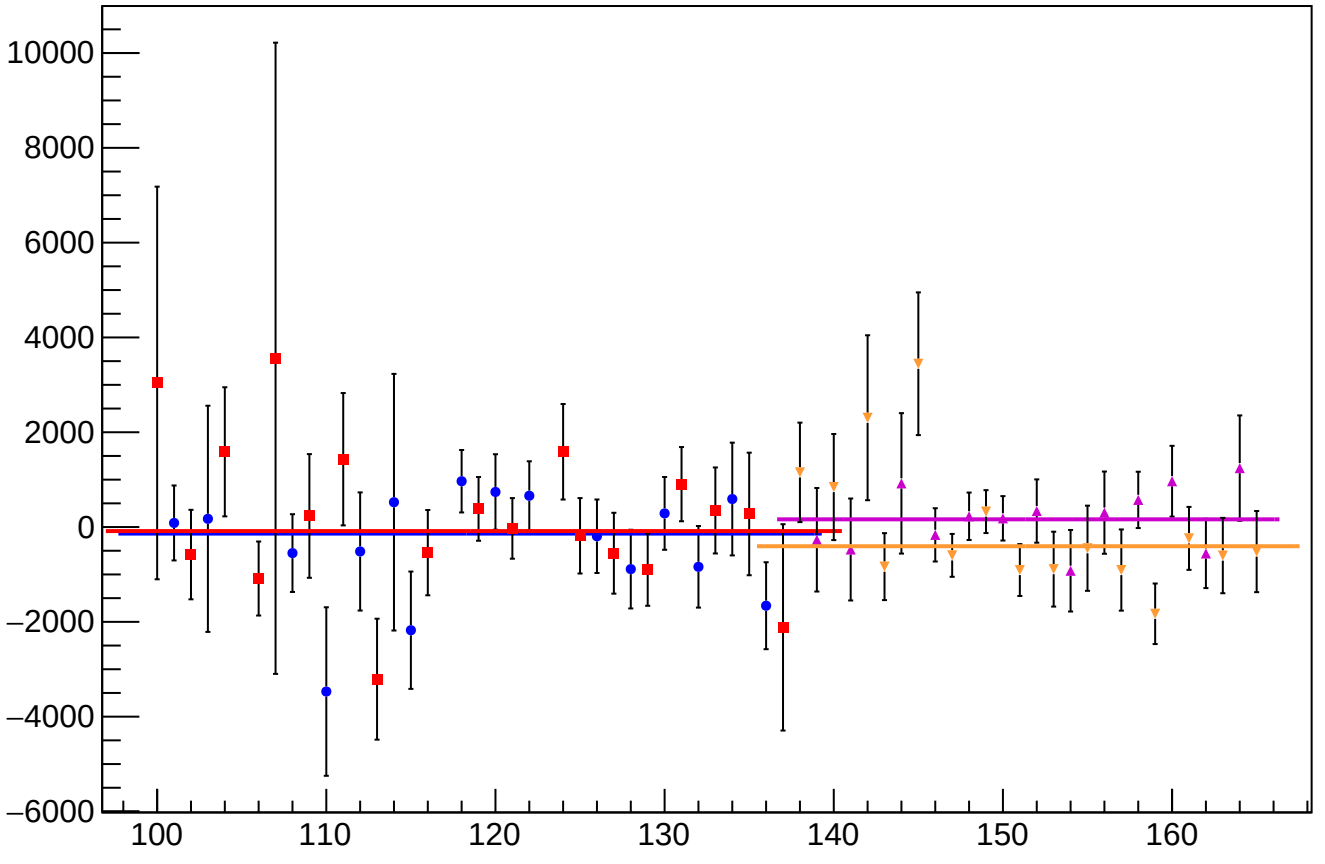
Left: 1819.074+/-0.269 χ^2/NDF: 14193.3/27

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1858.330+/-0.311 χ^2/NDF:675524.0/28

Out: 1874.679+/-0.304 χ^2/NDF:447862.4/33

All: 1866.674+/-0.217 χ^2/NDF: 1124798.9/62



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -404.621+/-184.235 χ^2/NDF:22.3/14

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 162.796+/-195.696 χ^2/NDF:6.4/12

Left: -138.013+/-134.142 χ^2/NDF: 33.1/27

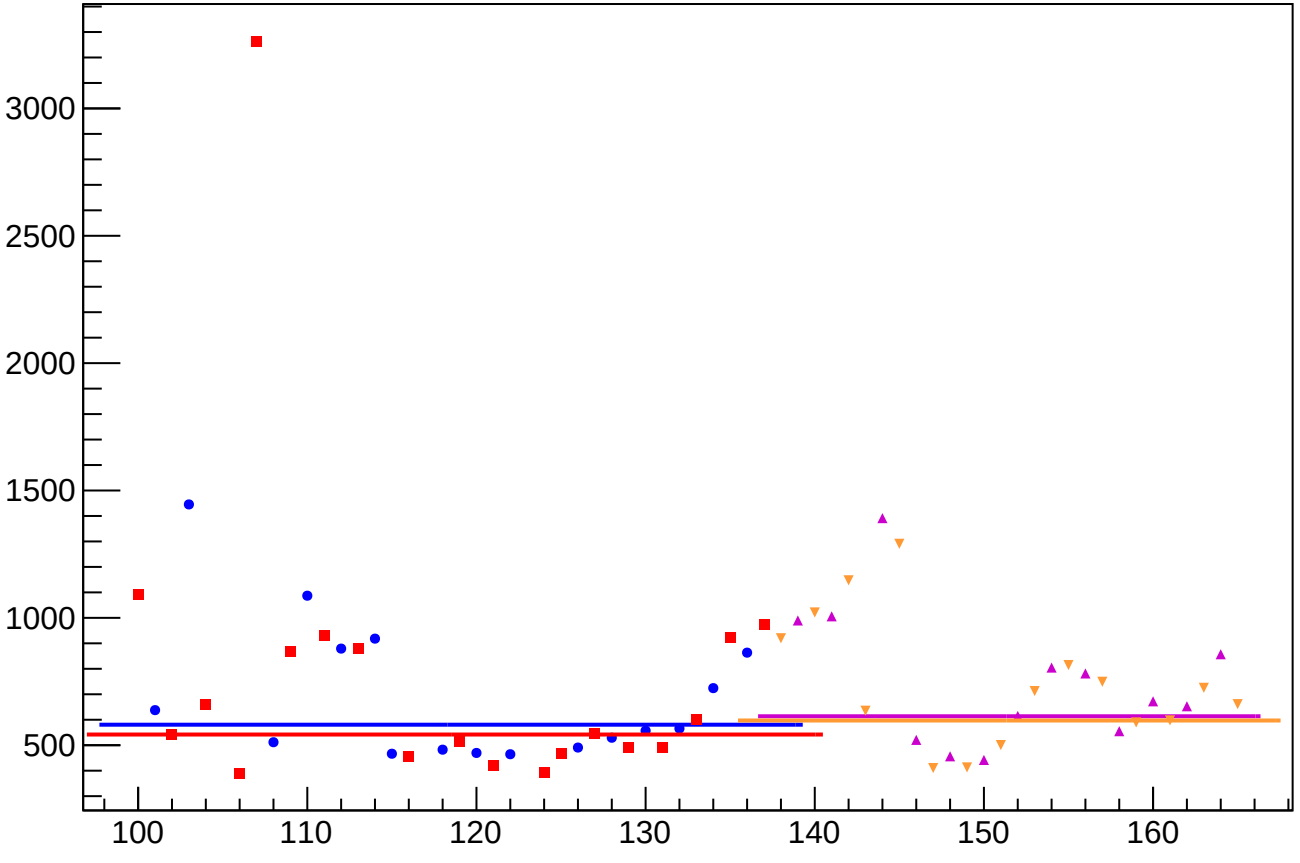
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 36.938+/-149.149 χ^2/NDF:24.2/28

Out: -274.165+/-141.742 χ^2/NDF:42.8/33

All: -126.530+/-102.746 χ^2/NDF: 69.3/62

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 597.018+/-0.130 χ^2/NDF:2128329.1/14

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

Left: 604.834+/-0.095 χ^2/NDF: 4018286.7/27

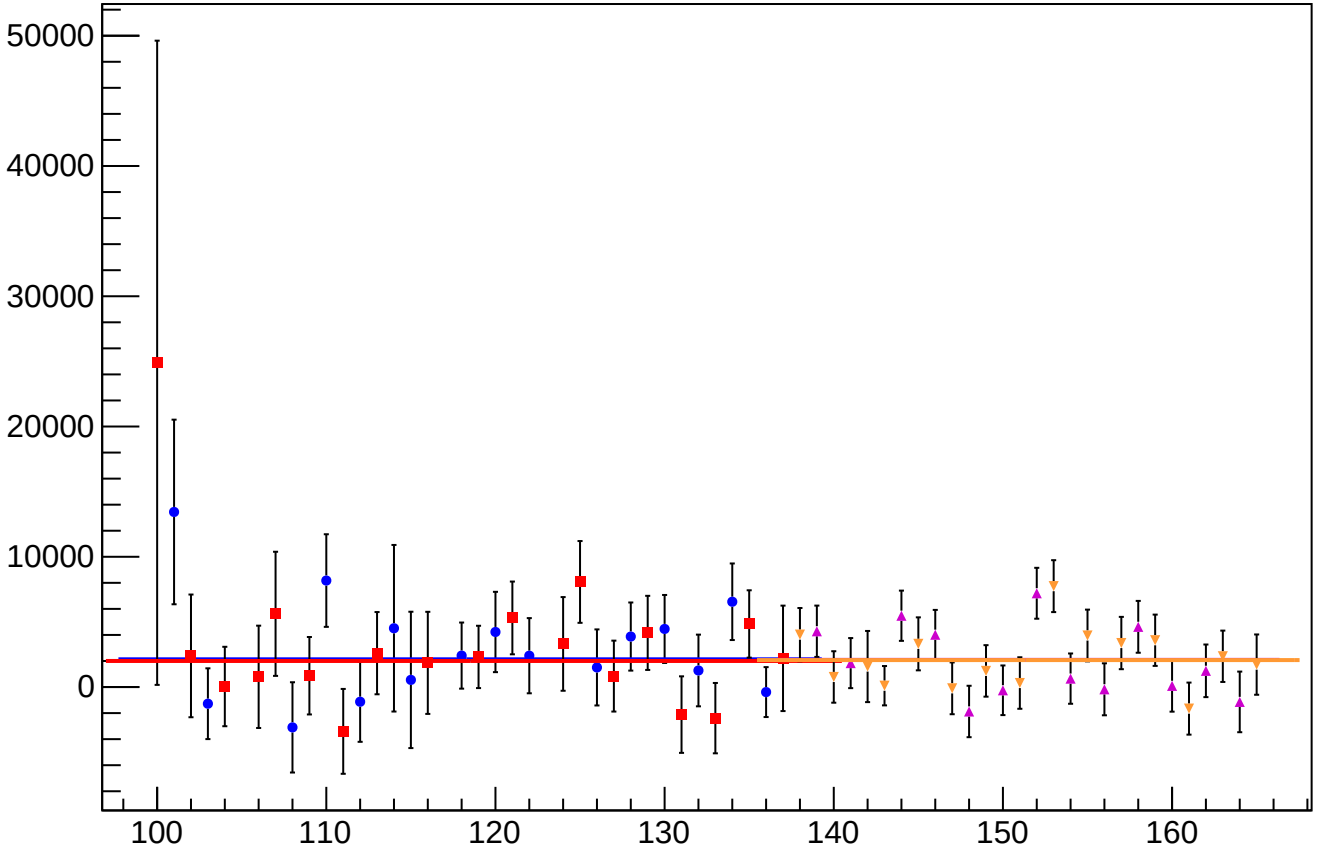
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 599.766+/-0.105 χ^2/NDF:2909227.9/28

Out: 574.541+/-0.100 χ^2/NDF:3520129.7/33

All: 586.511+/-0.073 χ^2/NDF: 6459416.5/62

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2069.642+/-514.275 χ^2/NDF:19.2/14

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2085.691+/-548.482 χ^2/NDF:24.3/12

Left: 2077.150+/-375.158 χ^2/NDF: 43.5/27

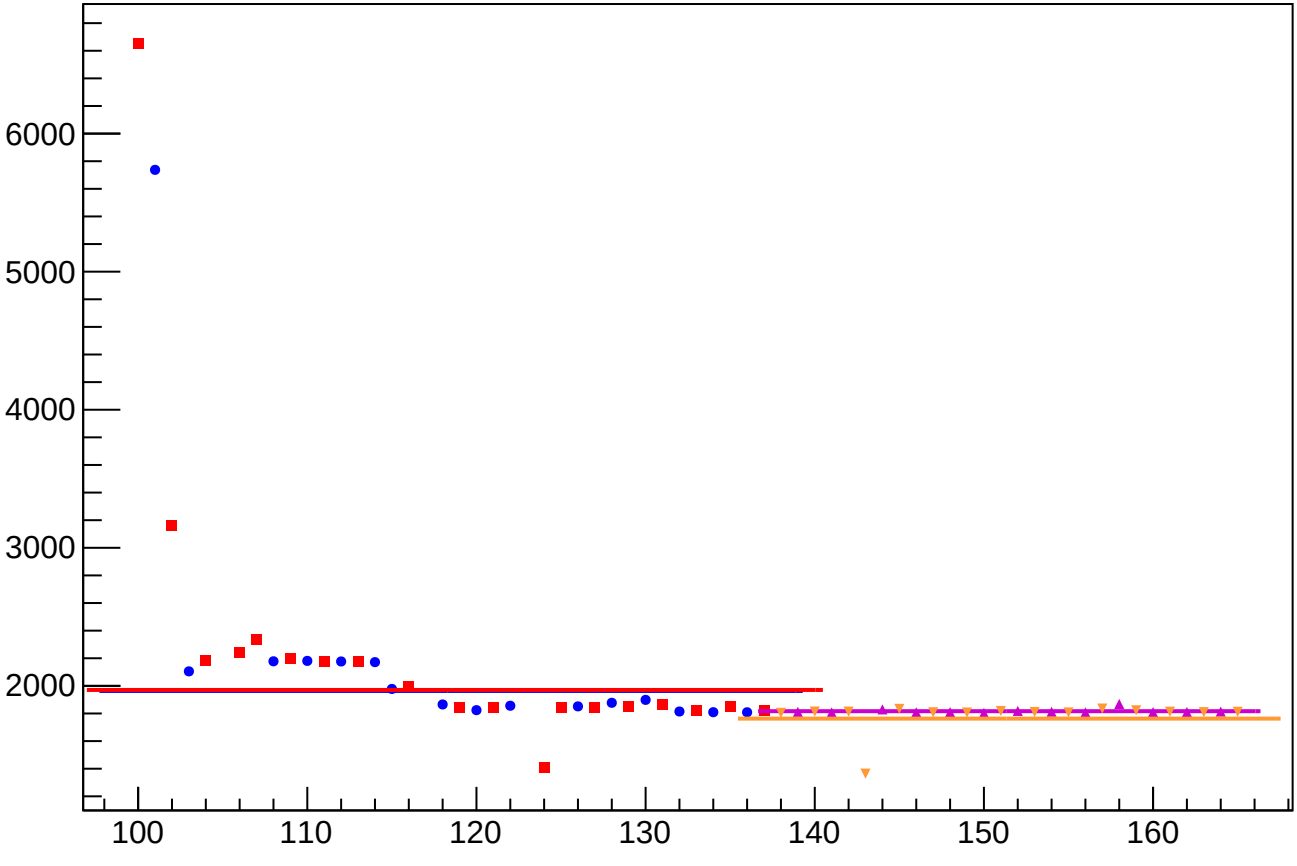
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2100.793+/-441.949 χ^2/NDF:40.8/28

Out: 2047.571+/-421.784 χ^2/NDF:35.9/33

All: 2072.940+/-305.126 χ^2/NDF: 76.8/62

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1762.781+/-0.364 χ^2/NDF:158203.7/14

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

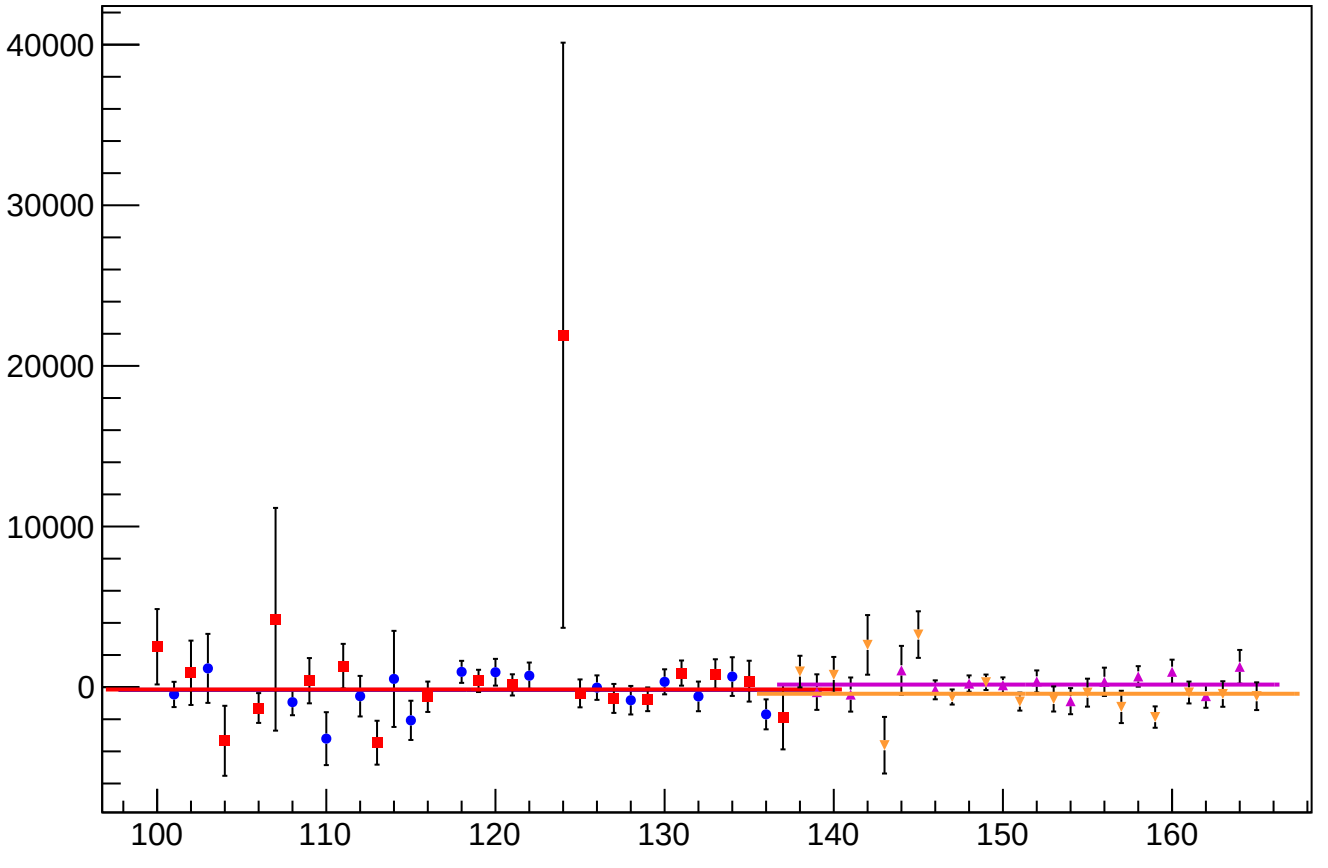
Left: 1787.978+/-0.265 χ^2/NDF: 170220.9/27

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1868.118+/-0.313 χ^2/NDF:692244.7/28

Out: 1830.765+/-0.298 χ^2/NDF:610103.6/33

All: 1848.570+/-0.216 χ^2/NDF: 1309825.2/62



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -412.659+/-195.312 χ^2/NDF:24.3/14

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 158.558+/-199.574 χ^2/NDF:6.8/12

Left: -133.216+/-139.589 χ^2/NDF: 35.3/27

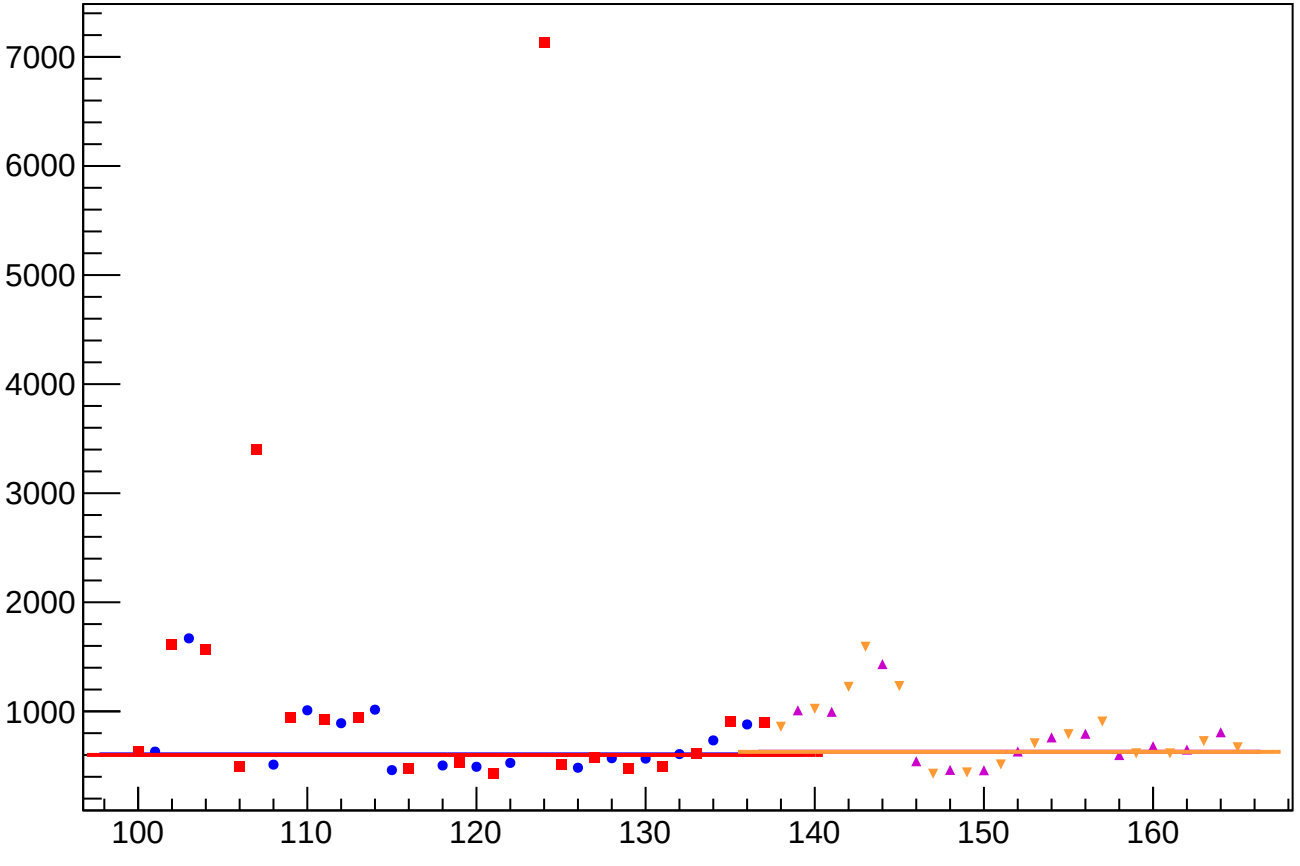
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 21.859+/-152.635 χ^2/NDF:25.1/28

Out: -308.508+/-152.196 χ^2/NDF:45.1/33

All: -143.800+/-107.774 χ^2/NDF: 72.6/62

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 628.661+/-0.138 χ^2/NDF:2542511.4/14

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 629.824+/-0.141 χ^2/NDF:1728871.7/12

Left: 629.230+/-0.099 χ^2/NDF: 4271417.8/27

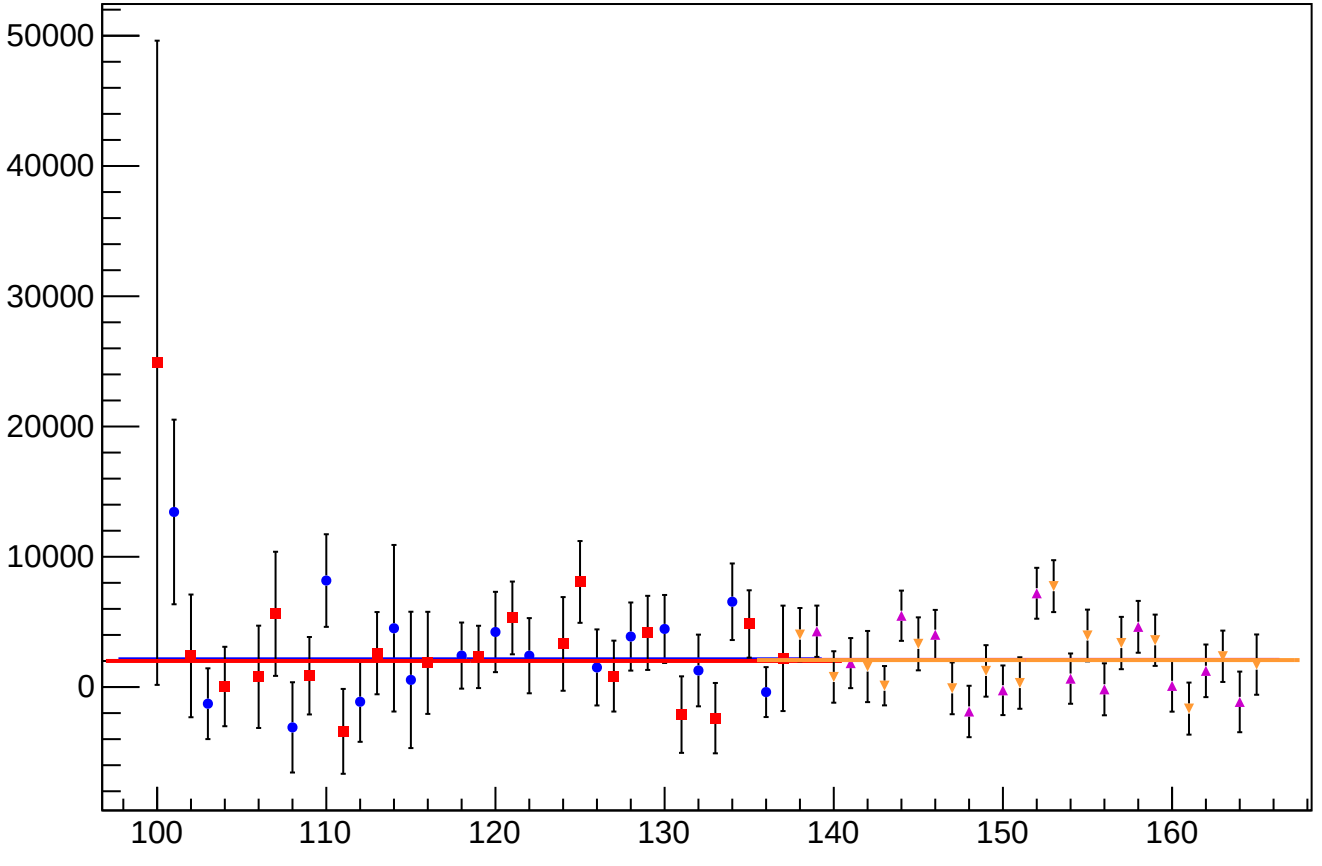
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 619.698+/-0.108 χ^2/NDF:2903729.4/28

Out: 617.579+/-0.108 χ^2/NDF:4887428.1/33

All: 618.636+/-0.076 χ^2/NDF: 7791350.8/62

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2069.642+/-514.275 χ^2/NDF:19.2/14

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2085.691+/-548.482 χ^2/NDF:24.3/12

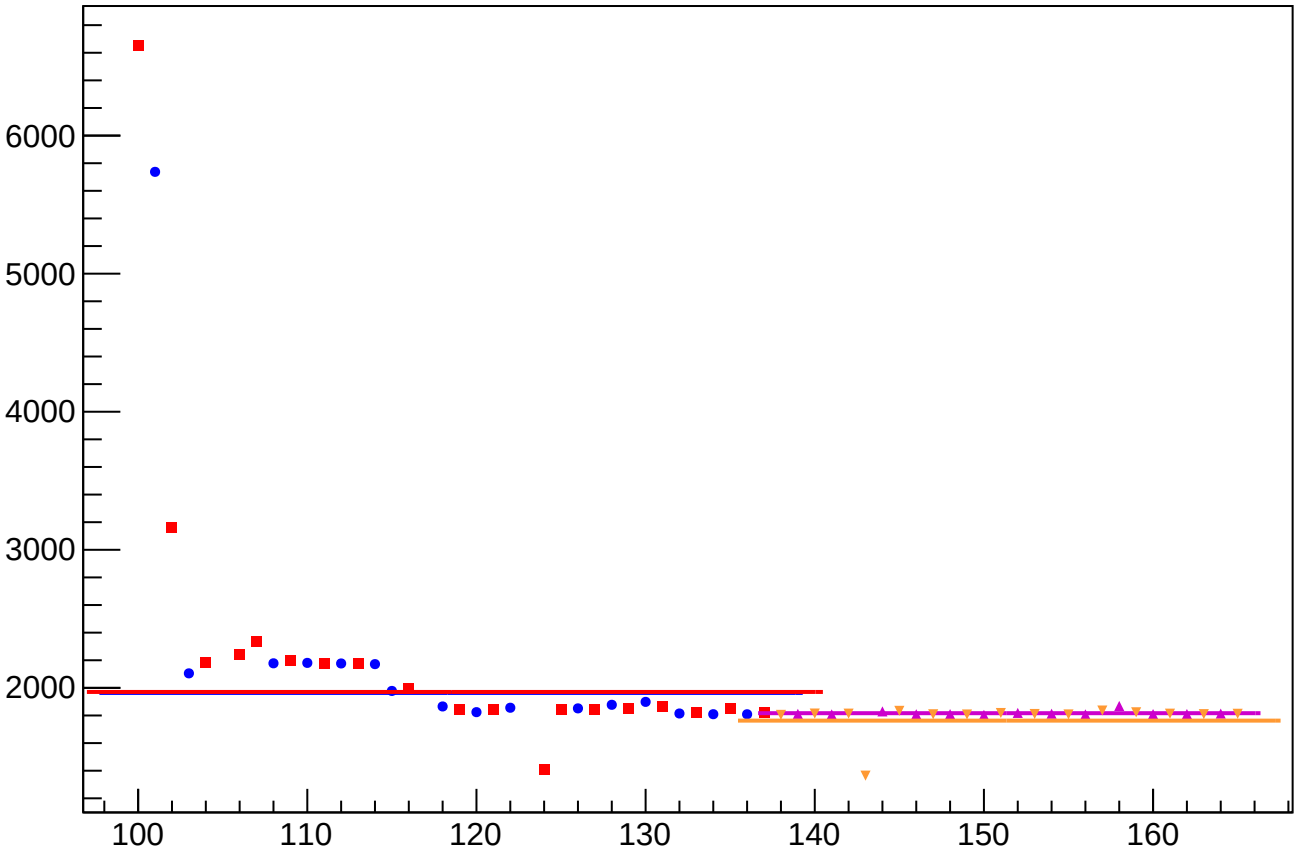
Left: 2077.150+/-375.158 χ^2/NDF: 43.5/27

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2100.792+/-441.949 χ^2/NDF:40.8/28

Out: 2047.571+/-421.784 χ^2/NDF:35.9/33

All: 2072.939+/-305.126 χ^2/NDF: 76.8/62



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1762.781+/-0.364 χ^2/NDF:158203.7/14

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

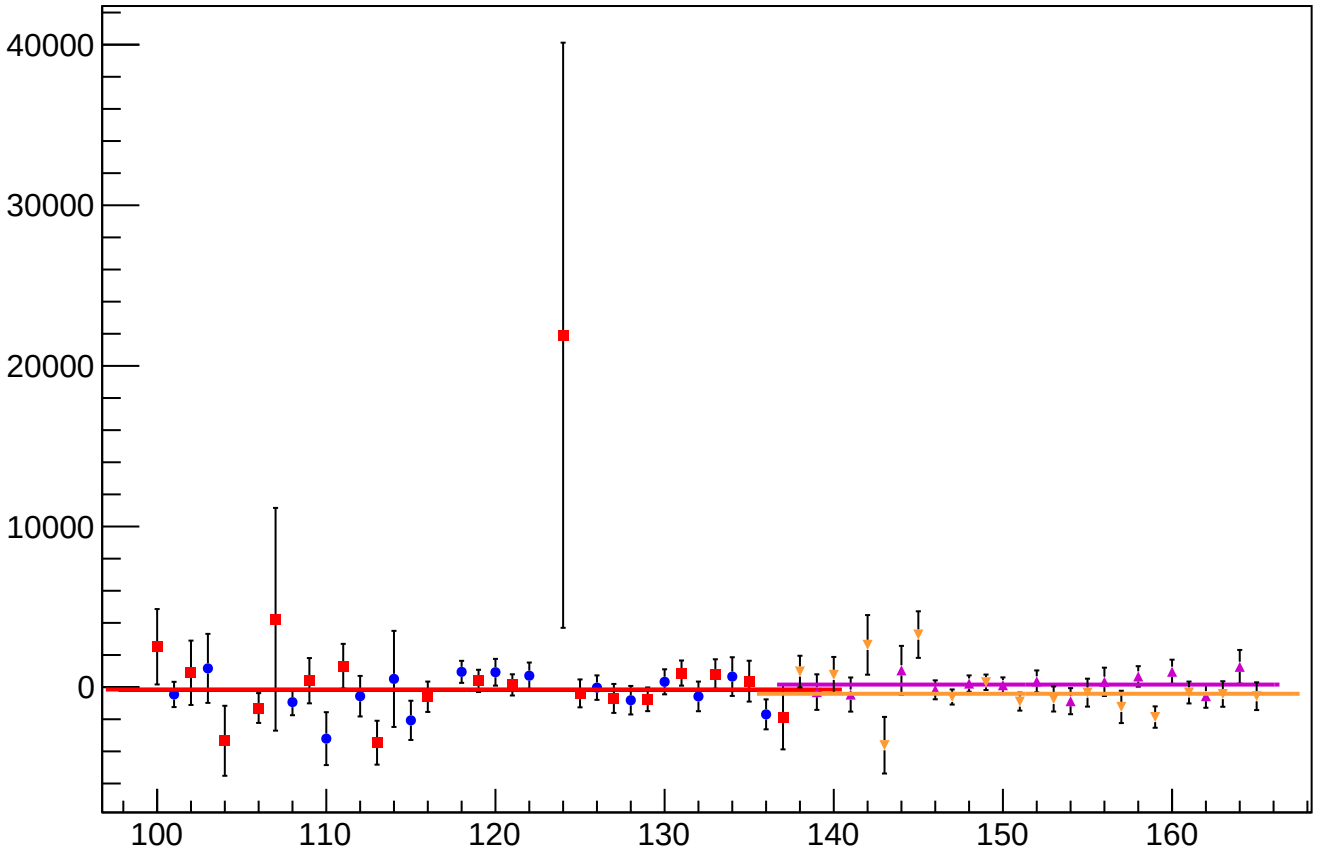
Left: 1787.978+/-0.265 χ^2/NDF: 170220.9/27

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1868.118+/-0.313 χ^2/NDF:692244.2/28

Out: 1830.765+/-0.298 χ^2/NDF:610102.1/33

All: 1848.570+/-0.216 χ^2/NDF: 1309823.2/62



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -412.660+/-195.312 χ^2/NDF:24.3/14

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 158.558+/-199.575 χ^2/NDF:6.8/12

Left: -133.216+/-139.589 χ^2/NDF: 35.3/27

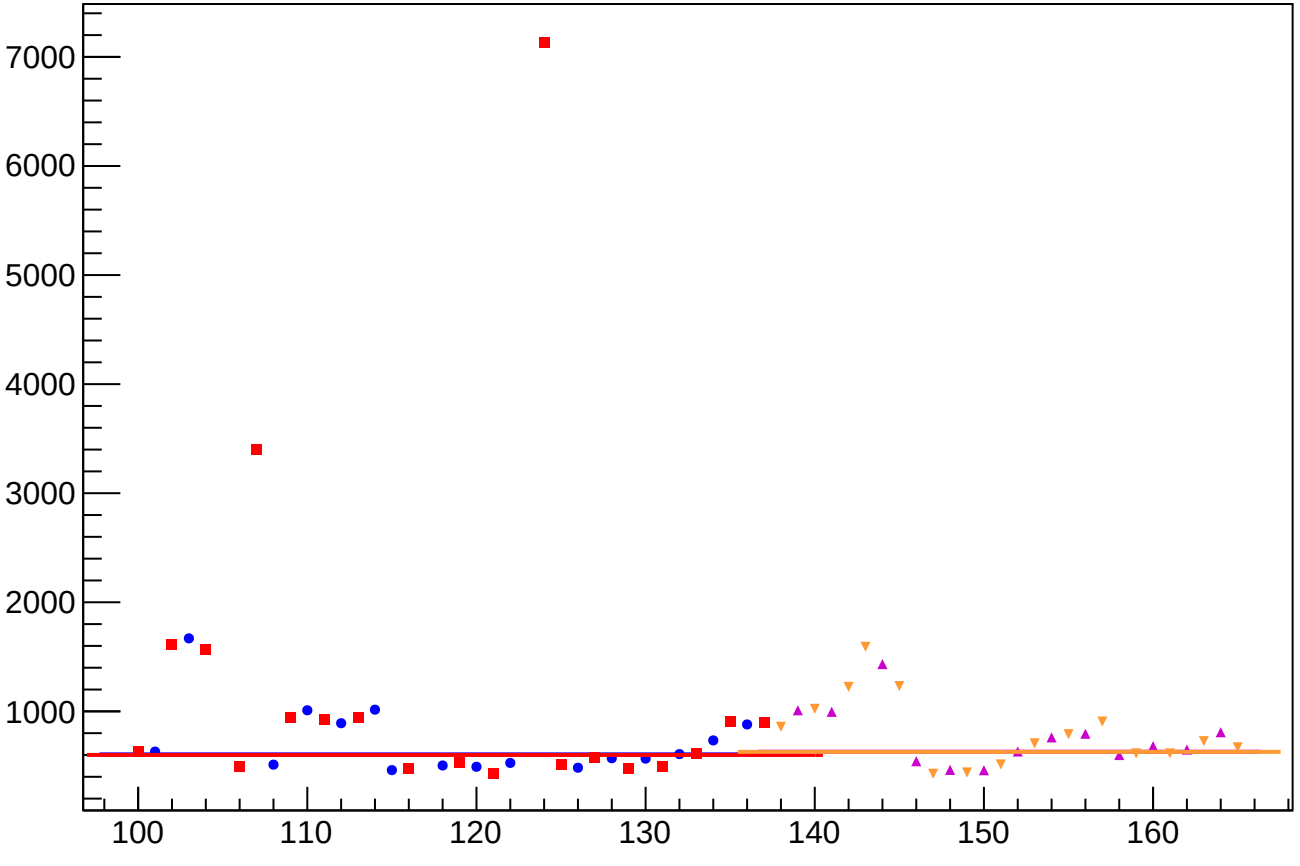
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 21.859+/-152.635 χ^2/NDF:25.1/28

Out: -308.508+/-152.196 χ^2/NDF:45.1/33

All: -143.799+/-107.774 χ^2/NDF: 72.6/62

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: 628.662+/-0.138 χ^2/NDF:2542503.5/14

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 629.825+/-0.141 χ^2/NDF:1728867.0/12

Left: 629.231+/-0.099 χ^2/NDF: 4271405.1/27

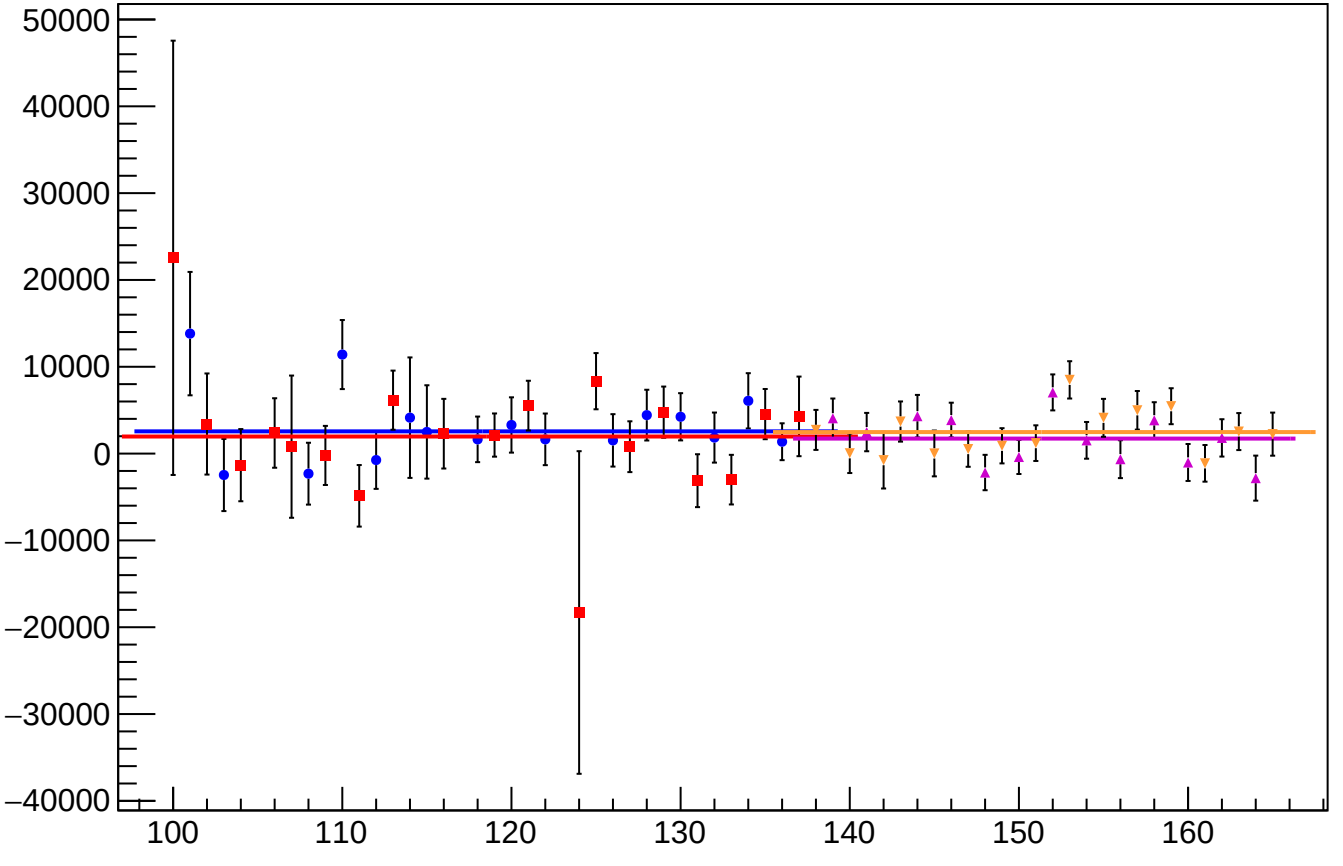
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 619.699+/-0.108 χ^2/NDF:2903734.7/28

Out: 617.580+/-0.108 χ^2/NDF:4887430.5/33

All: 618.636+/-0.076 χ^2/NDF: 7791358.5/62

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2478.621+/-577.761 χ^2/NDF:19.9/14

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1726.848+/-597.658 χ^2/NDF:21.8/12

Left: 2115.456+/-415.395 χ^2/NDF: 42.5/27

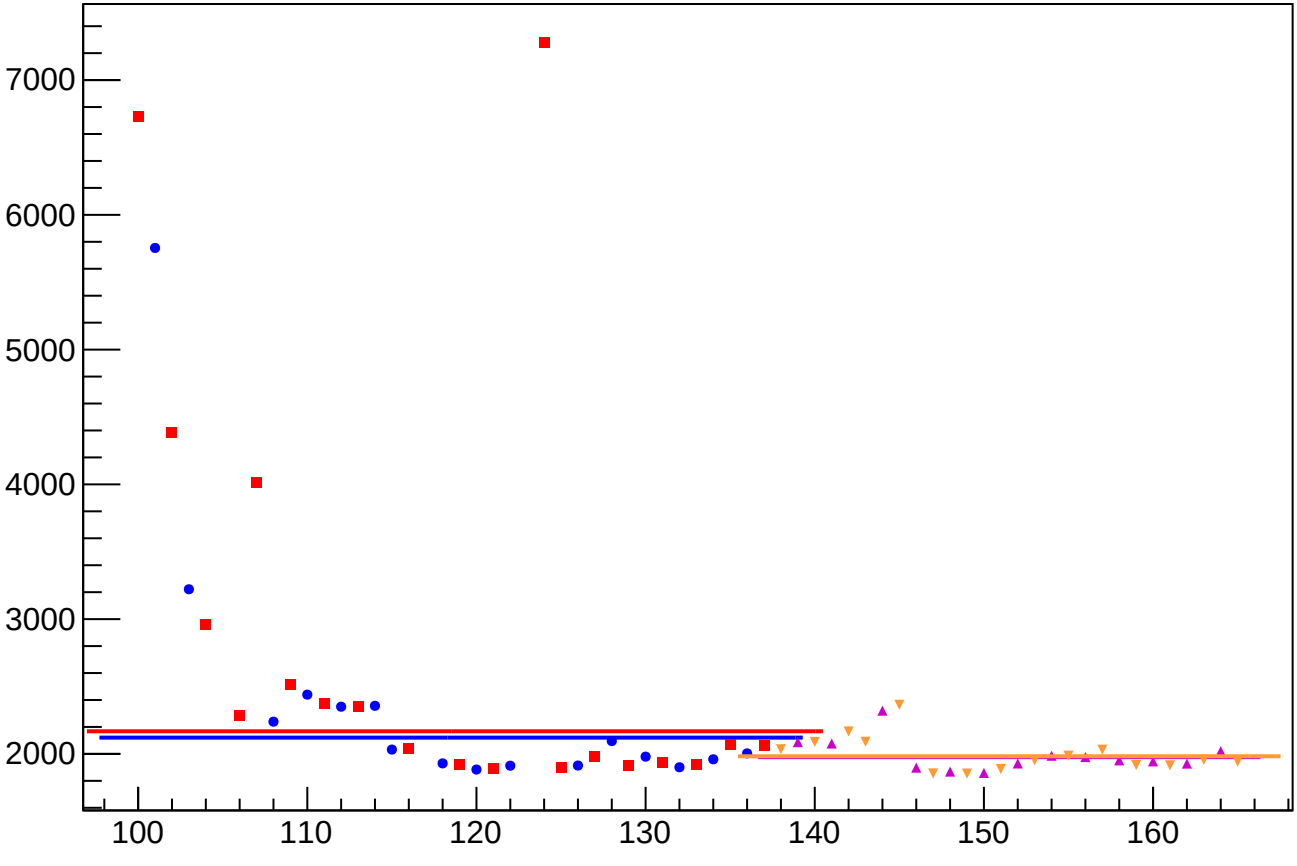
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2021.044+/-480.845 χ^2/NDF:37.1/28

Out: 2308.480+/-472.078 χ^2/NDF:41.7/33

All: 2167.406+/-336.867 χ^2/NDF: 79.0/62

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1982.410+/-0.409 χ^2/NDF:84154.0/14

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1975.758+/-0.423 χ^2/NDF:67734.5/12

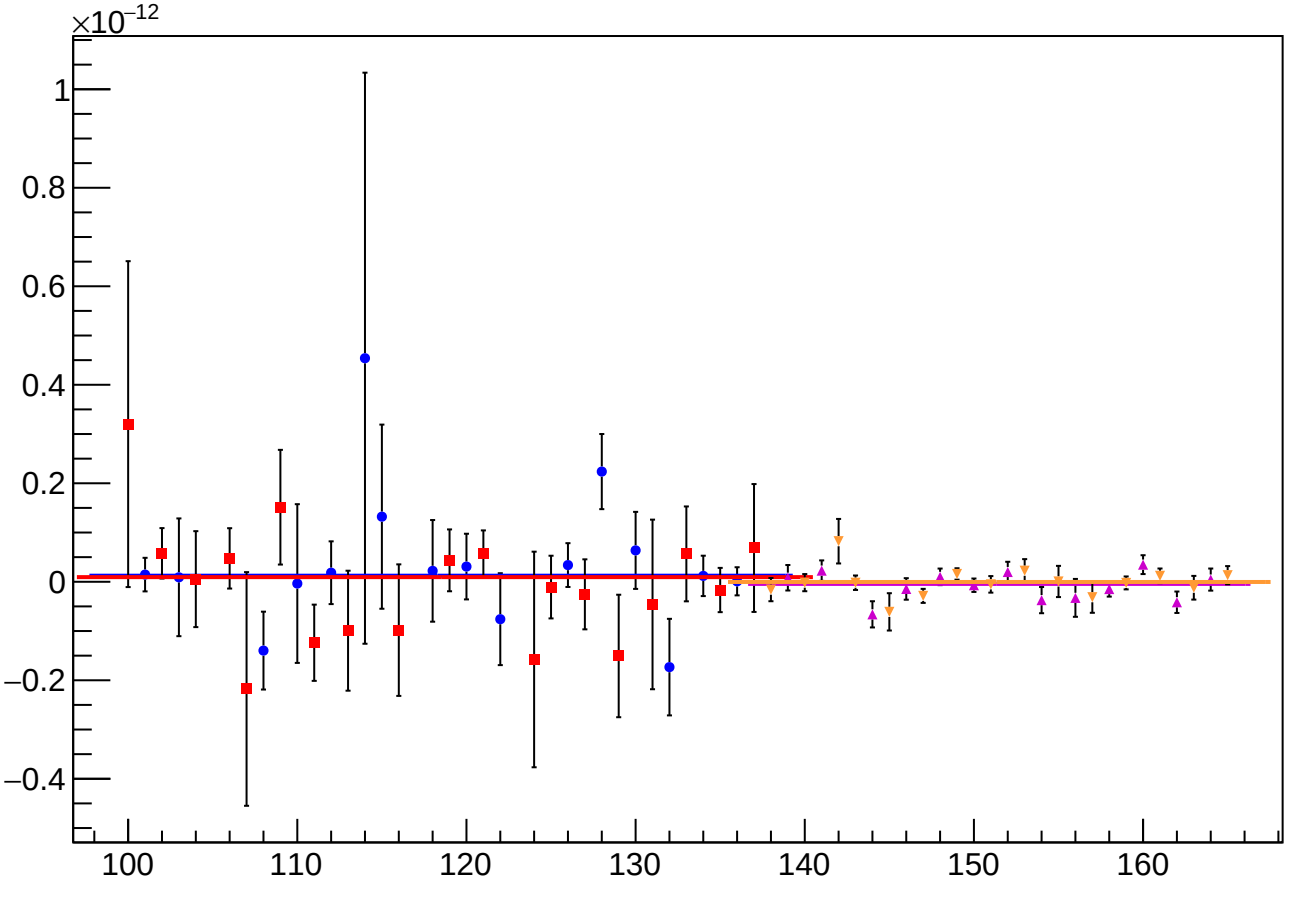
Left: 1979.197+/-0.294 χ^2/NDF: 152016.5/27

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2026.907+/-0.340 χ^2/NDF:869235.5/28

Out: 2044.043+/-0.334 χ^2/NDF:976553.7/33

All: 2035.632+/-0.238 χ^2/NDF: 1847082.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/12

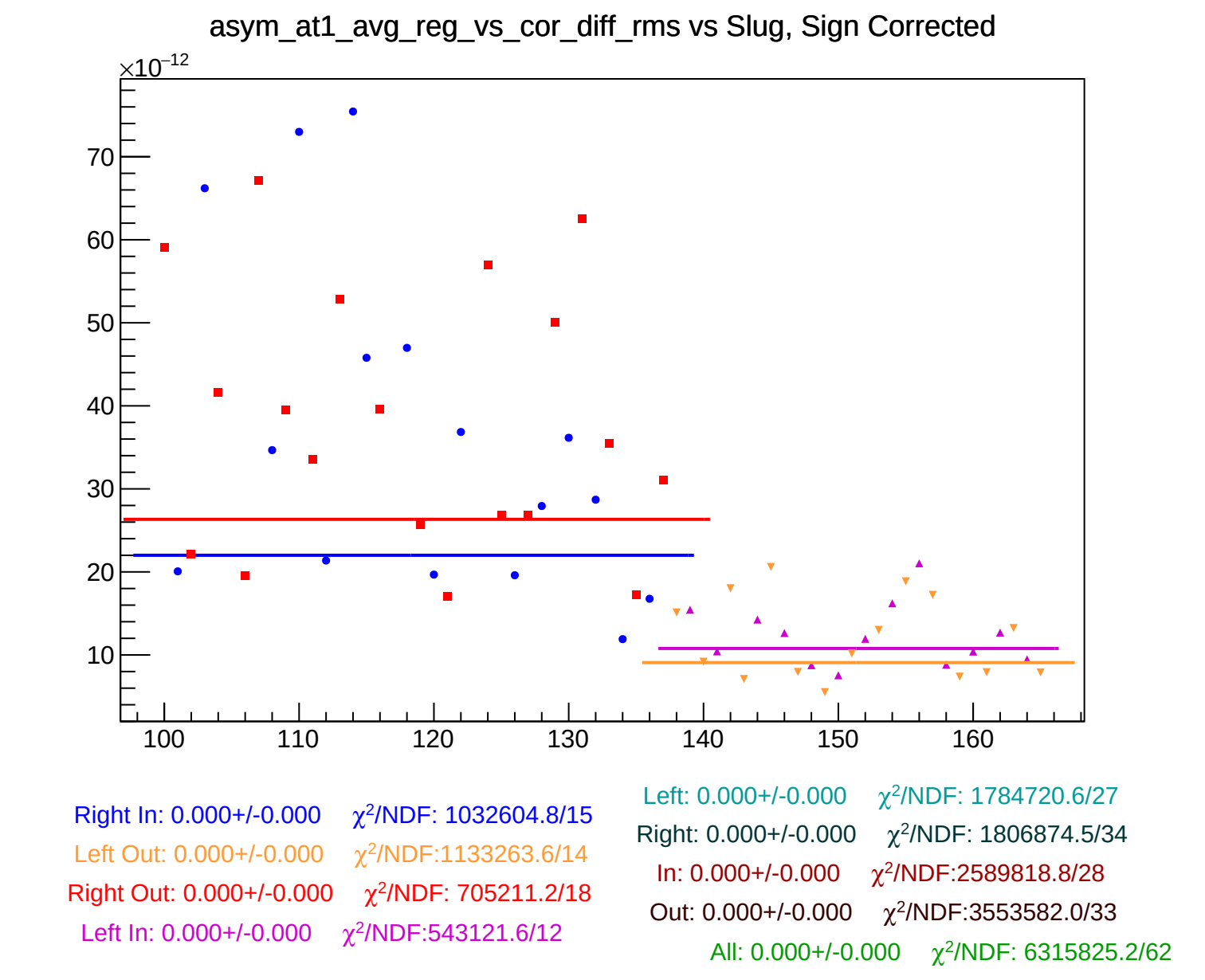
Left: -0.000+/-0.000 χ^2/NDF: 35.5/27

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

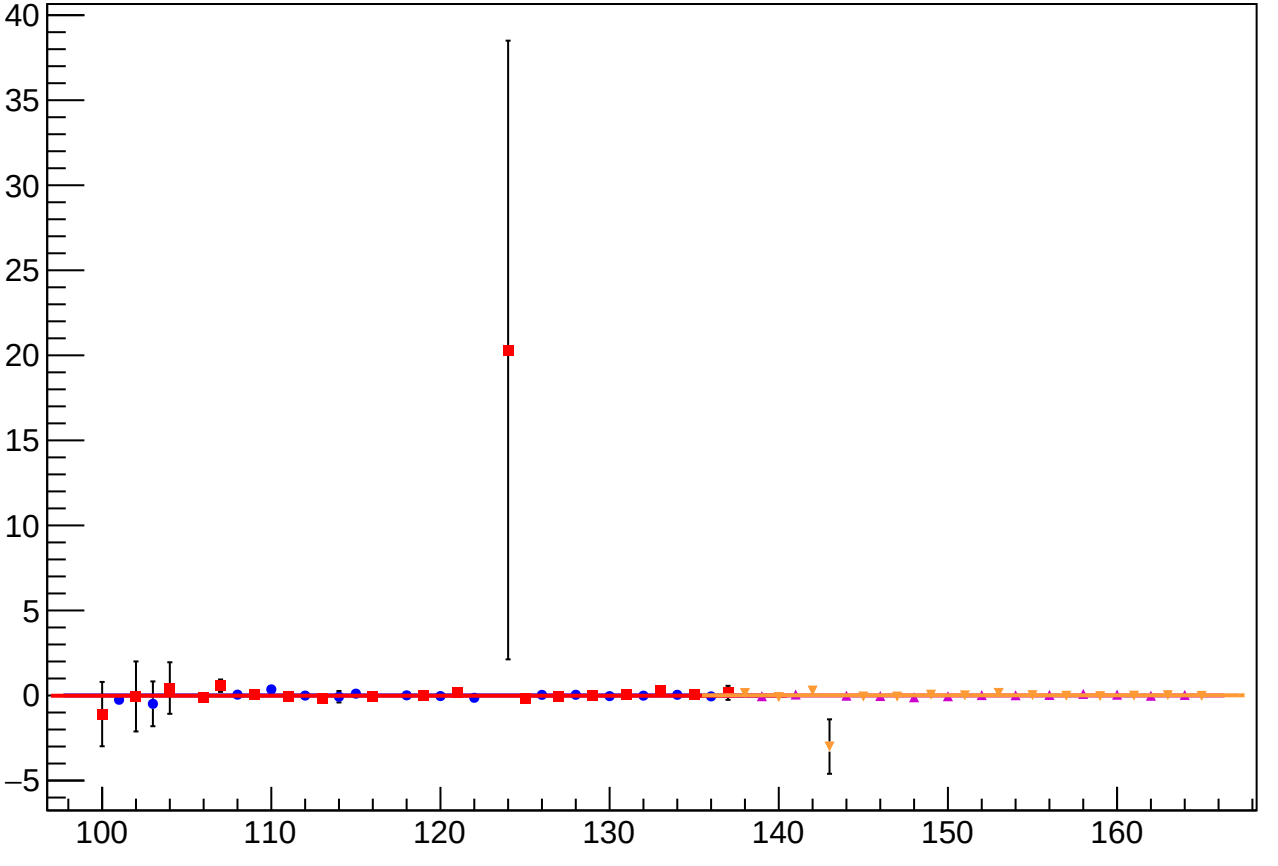
In: -0.000+/-0.000 χ^2/NDF:38.4/28

Out: 0.000+/-0.000 χ^2/NDF:29.8/33

All: -0.000+/-0.000 χ^2/NDF: 68.3/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1133263.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:543121.6/12
Left: 0.000+/-0.000 χ²/NDF: 1784720.6/27
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2589818.8/28
Out: 0.000+/-0.000 χ²/NDF:3553582.0/33
All: 0.000+/-0.000 χ²/NDF: 6315825.2/62

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

Left: 0.006+/-0.011 χ^2/NDF: 35.7/27

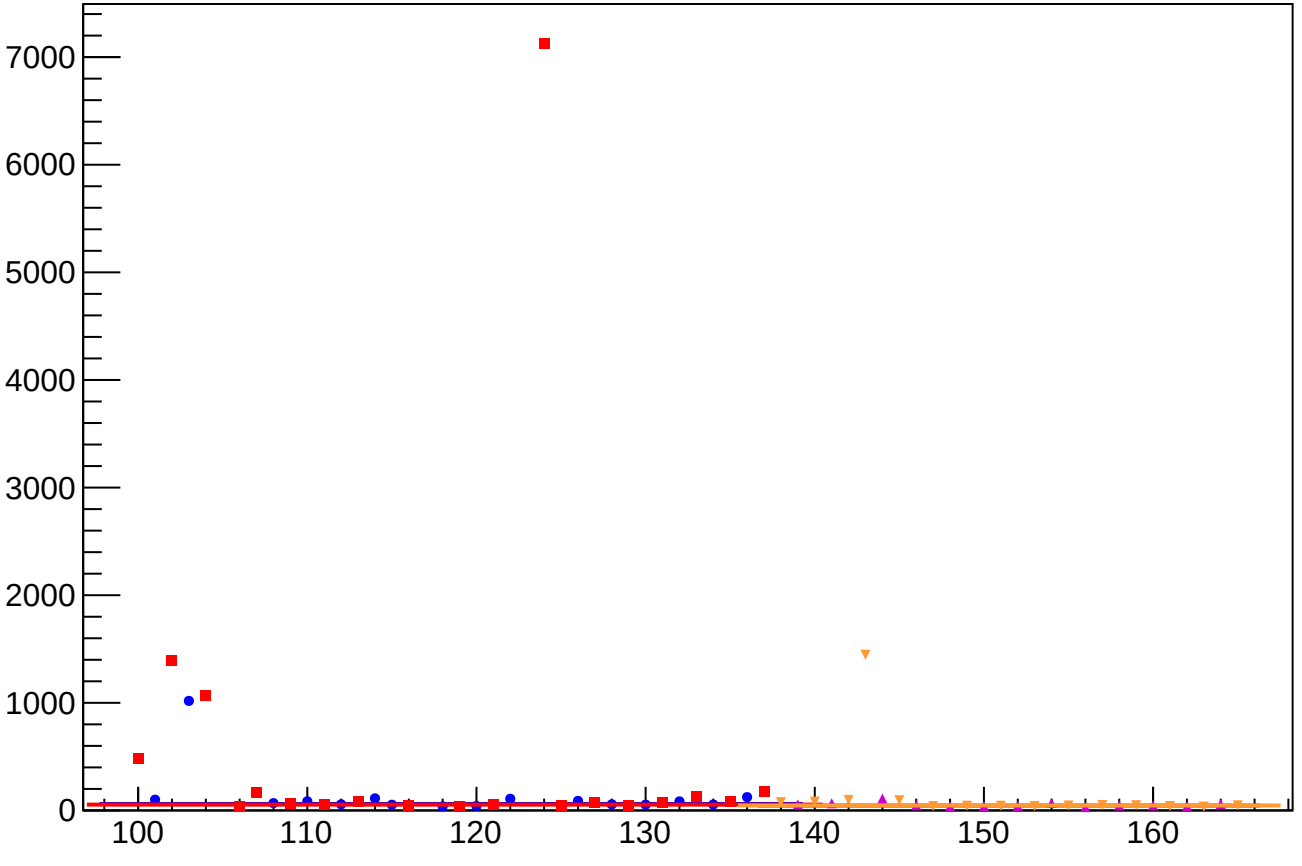
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.004+/-0.009 χ^2/NDF: 65.1/62

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815746.5/14

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

Left: 45.881+/-0.008 χ^2/NDF: 4237812.2/27

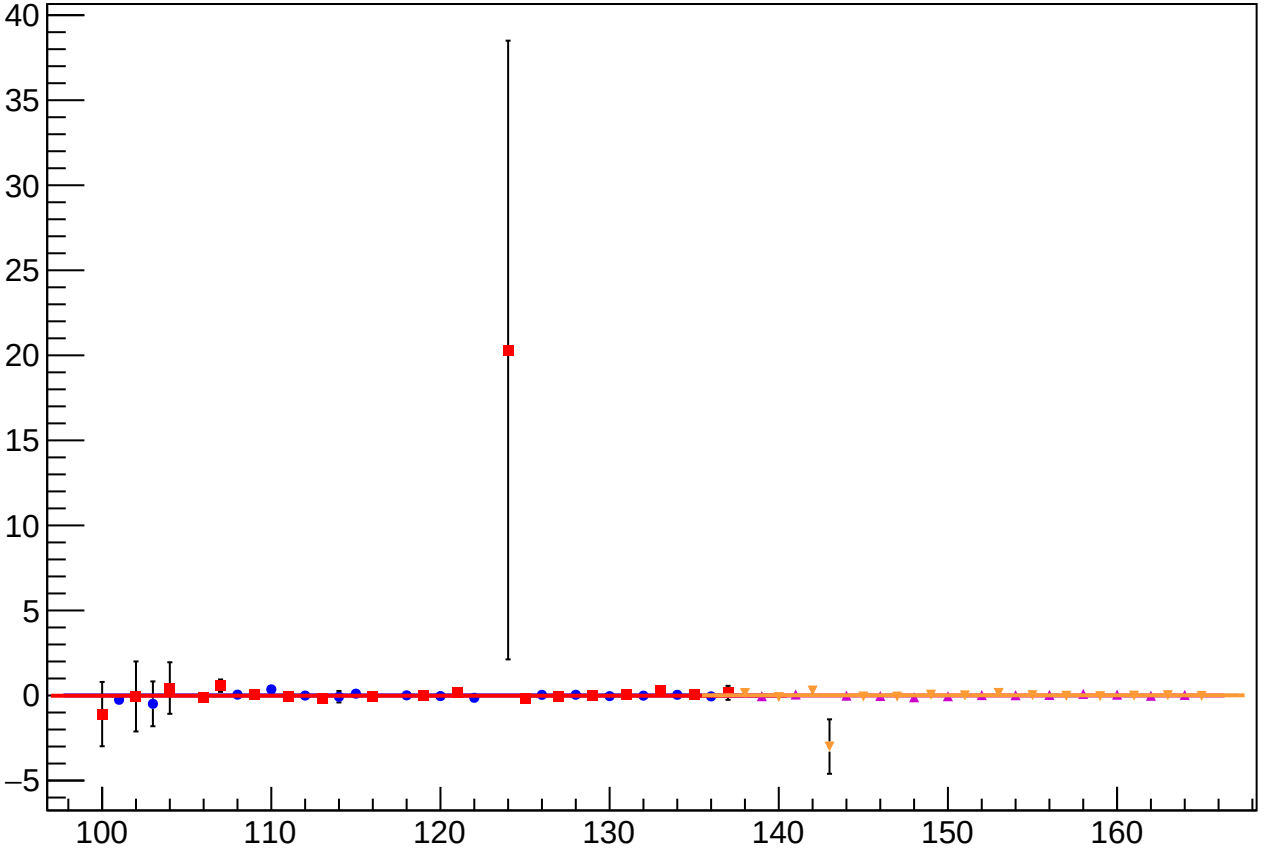
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.159+/-0.010 χ^2/NDF:4386999.4/28

Out: 48.386+/-0.009 χ^2/NDF:6478421.2/33

All: 48.771+/-0.007 χ^2/NDF: 10868737.9/62

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: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

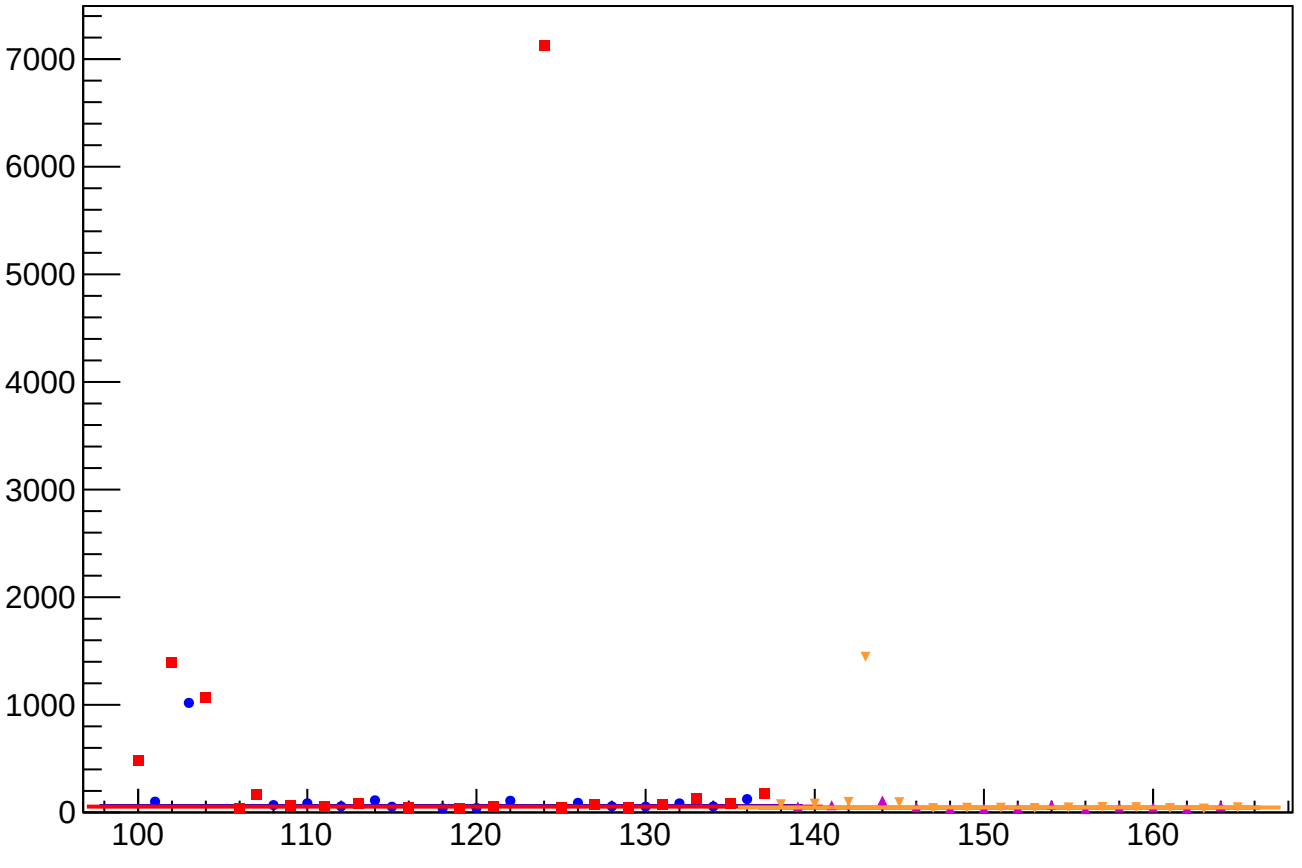
Left: 0.006+/-0.011 χ^2/NDF: 35.7/27

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.004+/-0.009 χ^2/NDF: 65.1/62



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815746.5/14

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

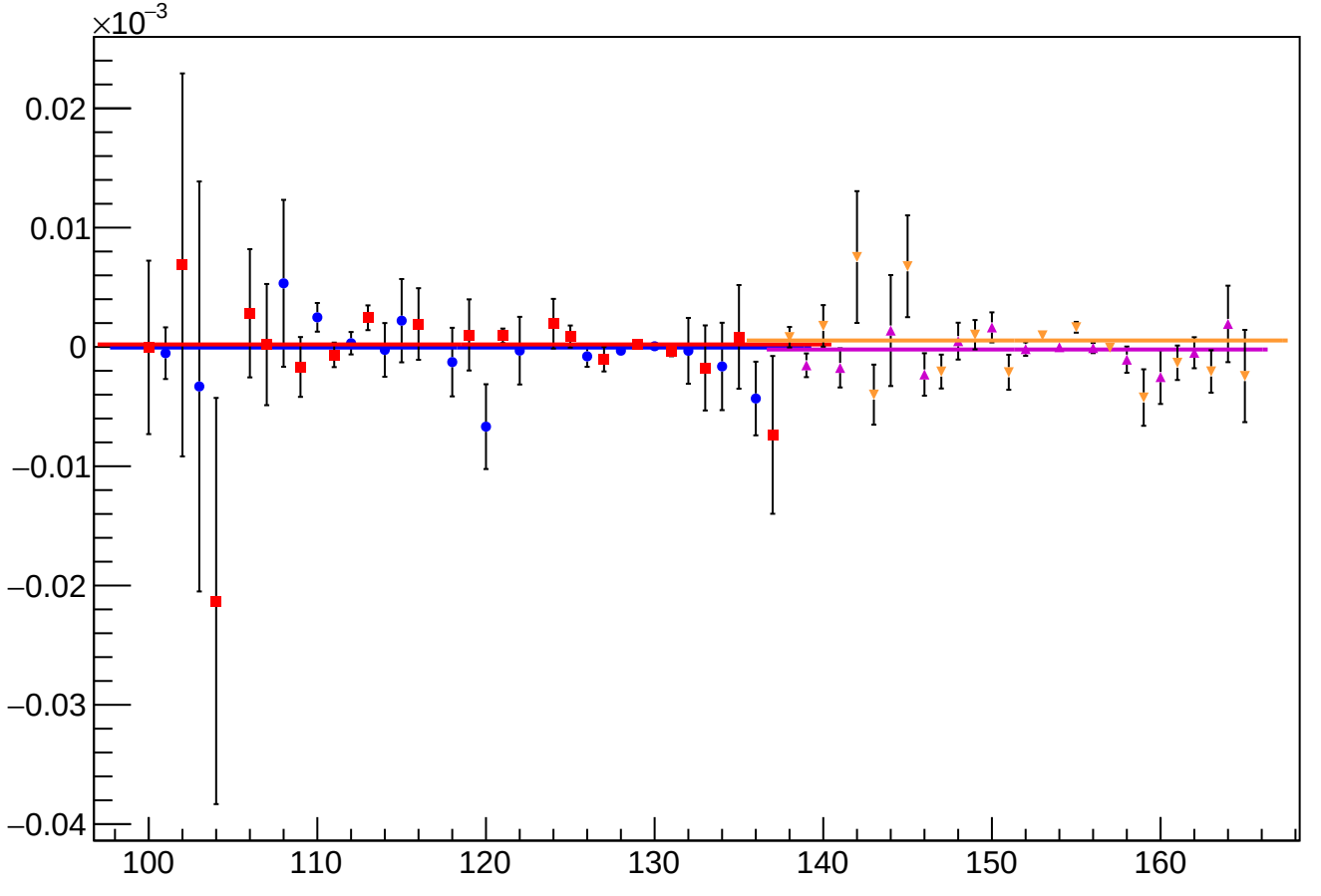
Left: 45.881+/-0.008 χ^2/NDF: 4237812.2/27

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.159+/-0.010 χ^2/NDF:4386999.4/28

Out: 48.386+/-0.009 χ^2/NDF:6478421.2/33

All: 48.771+/-0.007 χ^2/NDF: 10868737.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/12

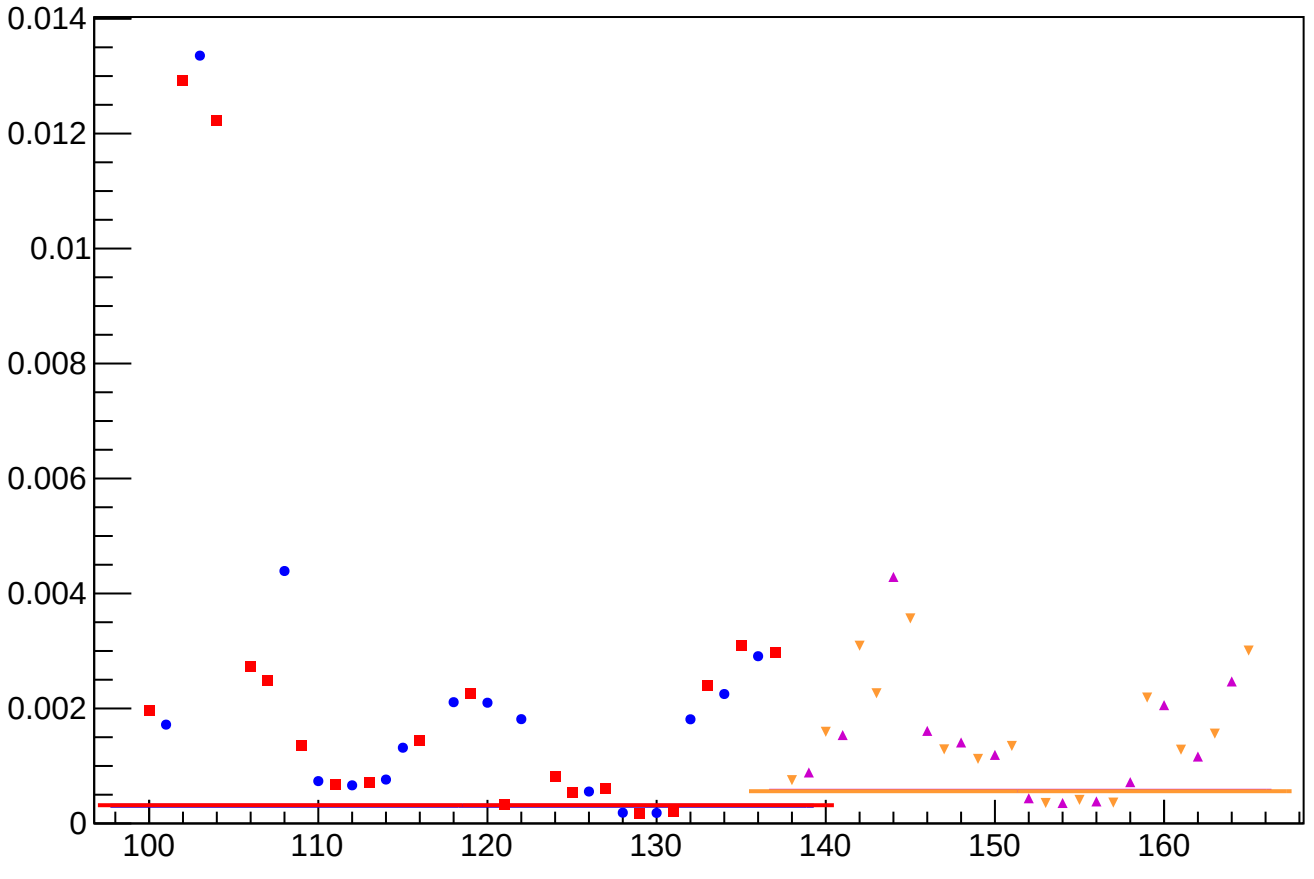
Left: 0.000+/-0.000 χ^2/NDF: 47.4/27

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.1/28

Out: 0.000+/-0.000 χ^2/NDF:49.3/33

All: 0.000+/-0.000 χ^2/NDF: 77.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:8799801.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7089781.8/12

Left: 0.001+/-0.000 χ^2/NDF: 15890616.0/27

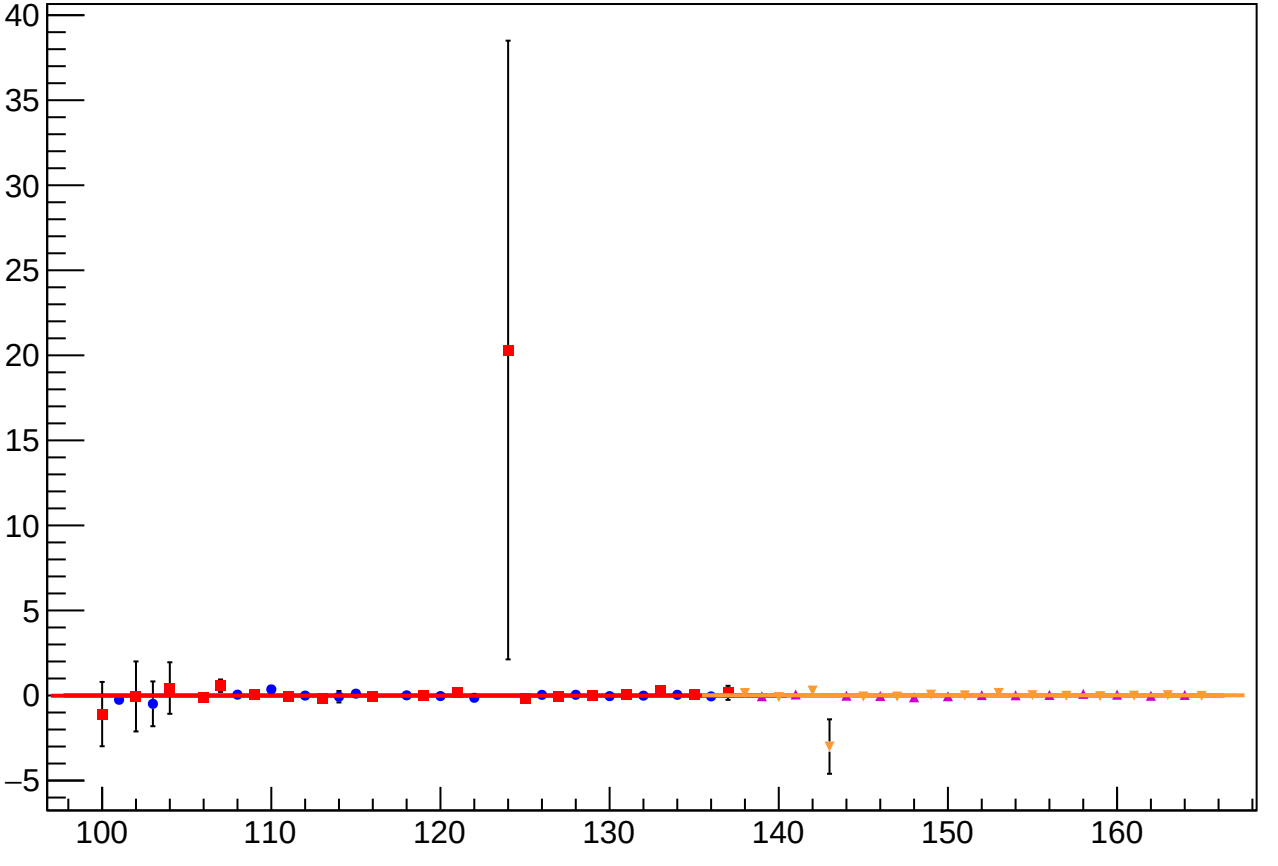
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:17389777.1/28

Out: 0.000+/-0.000 χ^2/NDF:18264501.2/33

All: 0.000+/-0.000 χ^2/NDF: 35657381.7/62

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: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

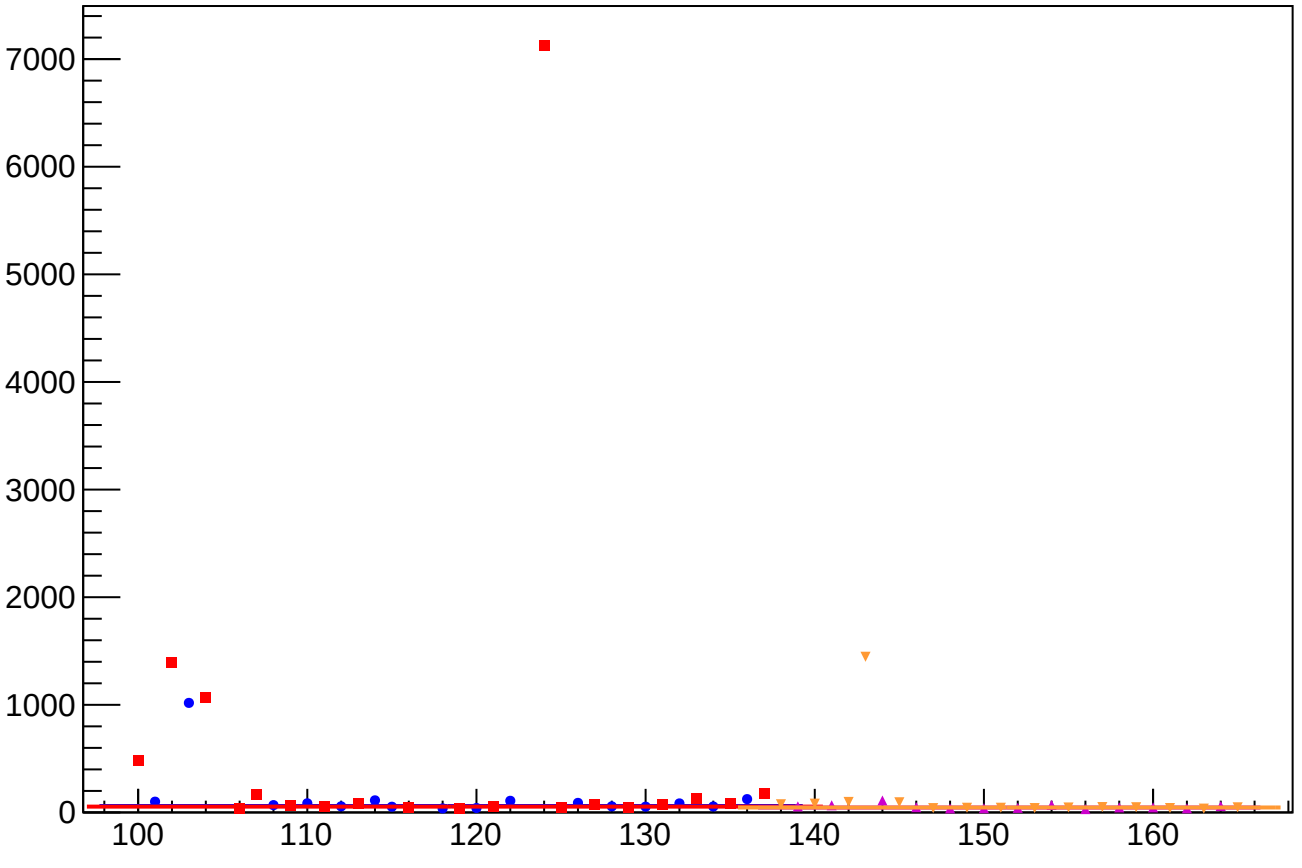
Left: 0.006+/-0.011 χ^2/NDF: 35.7/27

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.004+/-0.009 χ^2/NDF: 65.1/62



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815731.0/14

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

Left: 45.881+/-0.008 χ^2/NDF: 4237798.8/27

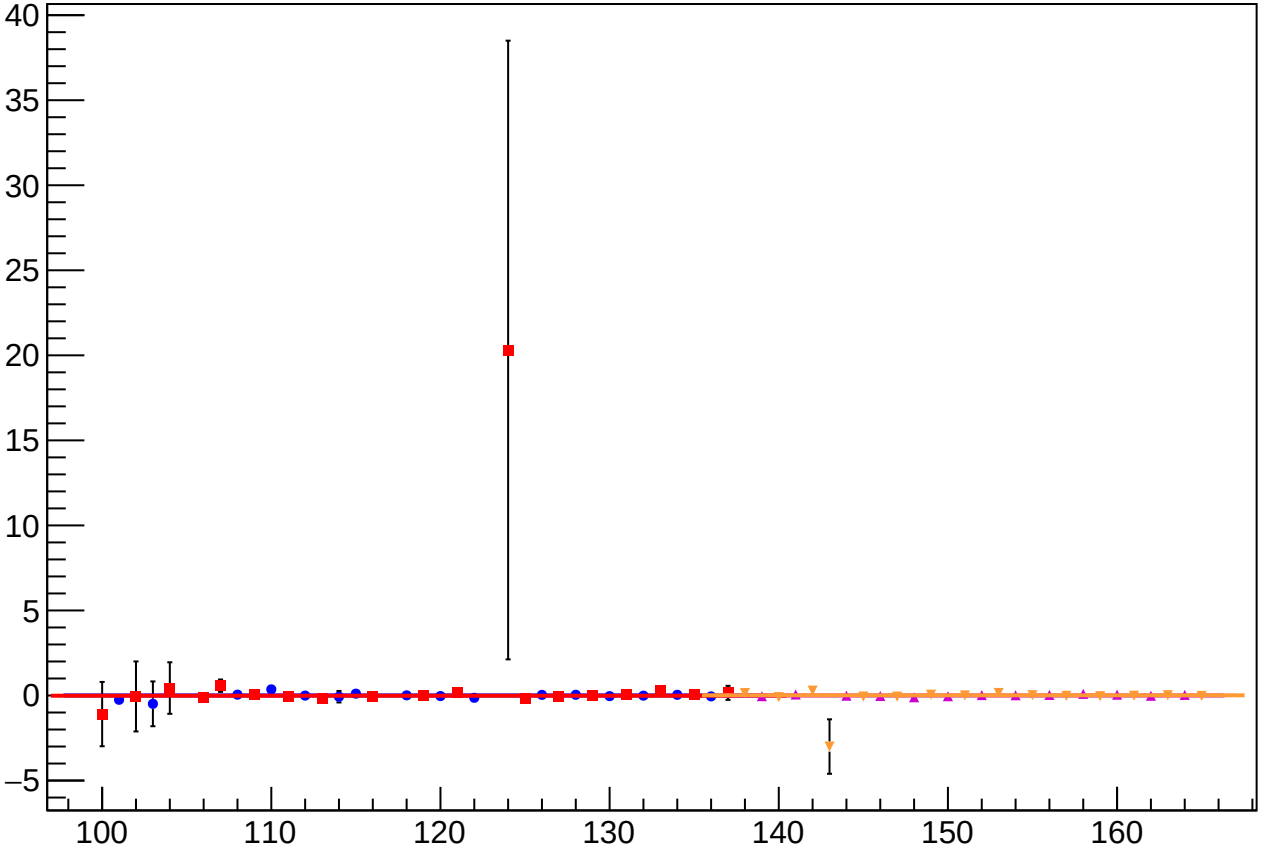
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.159+/-0.010 χ^2/NDF:4387006.2/28

Out: 48.386+/-0.009 χ^2/NDF:6478424.1/33

All: 48.771+/-0.007 χ^2/NDF: 10868747.6/62

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: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

Left: 0.006+/-0.011 χ^2/NDF: 35.7/27

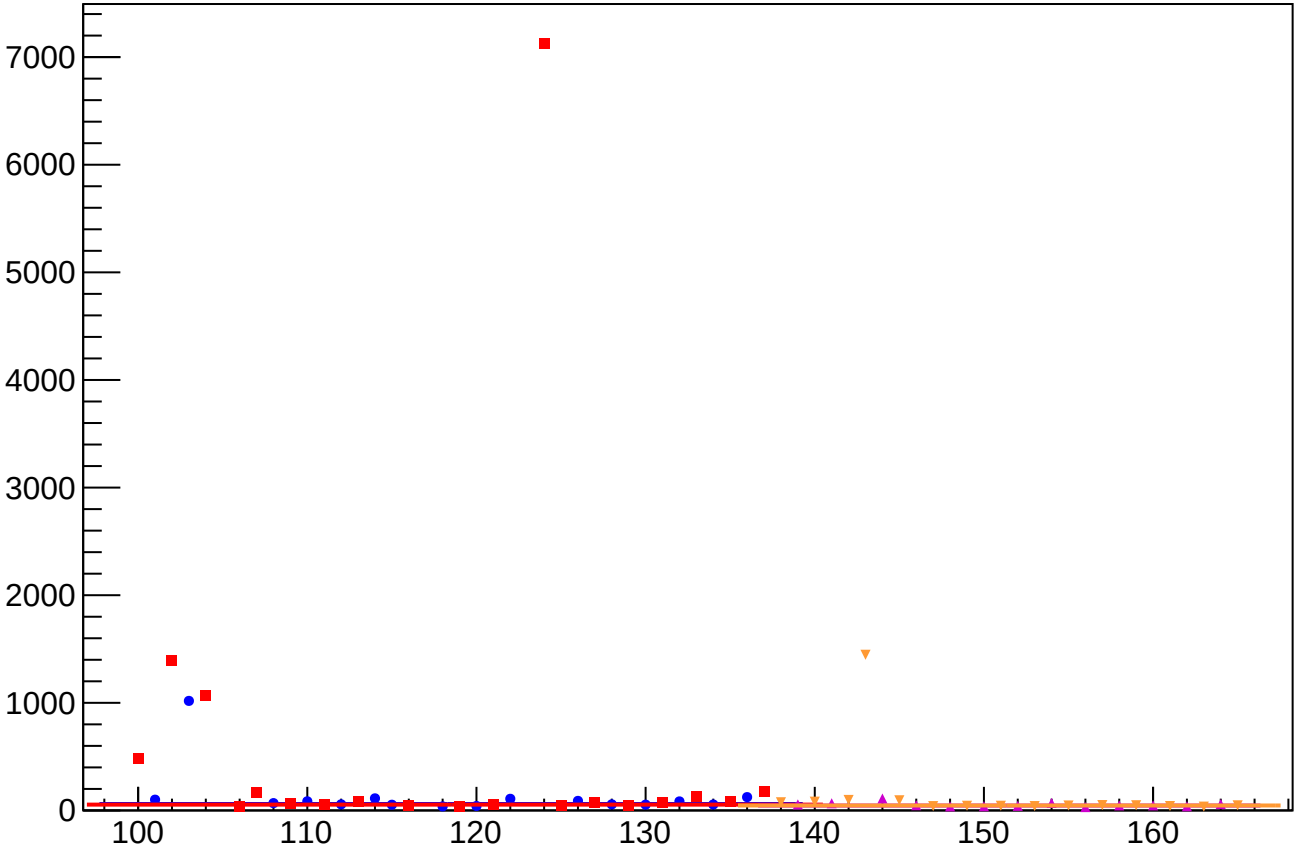
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.004+/-0.009 χ^2/NDF: 65.1/62

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: 46.232+/-0.011 χ^2/NDF:2815731.0/14

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

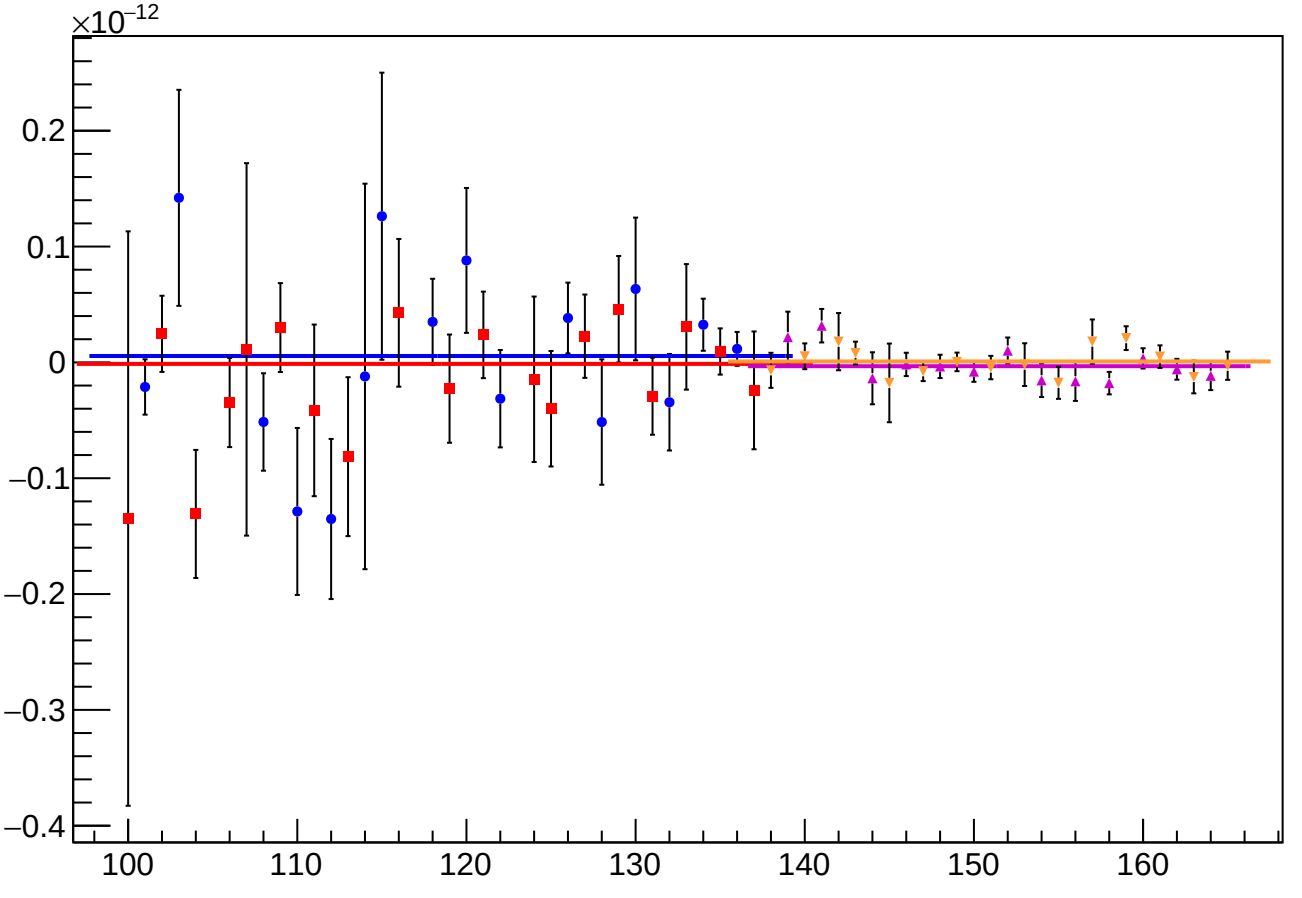
Left: 45.881+/-0.008 χ^2/NDF: 4237798.8/27

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.159+/-0.010 χ^2/NDF:4387006.2/28

Out: 48.386+/-0.009 χ^2/NDF:6478424.1/33

All: 48.771+/-0.007 χ^2/NDF: 10868747.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/12

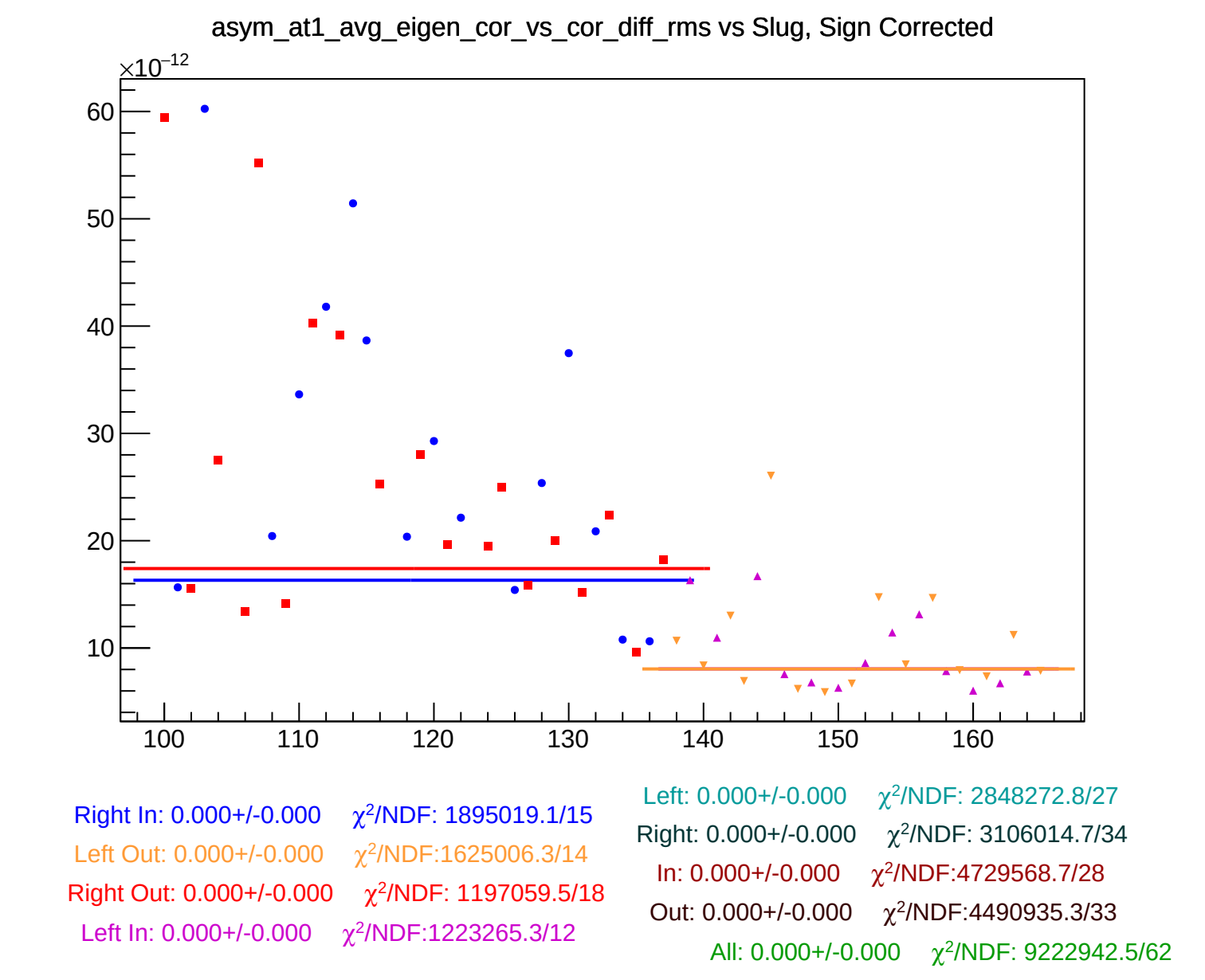
Left: -0.000+/-0.000 χ^2/NDF: 25.3/27

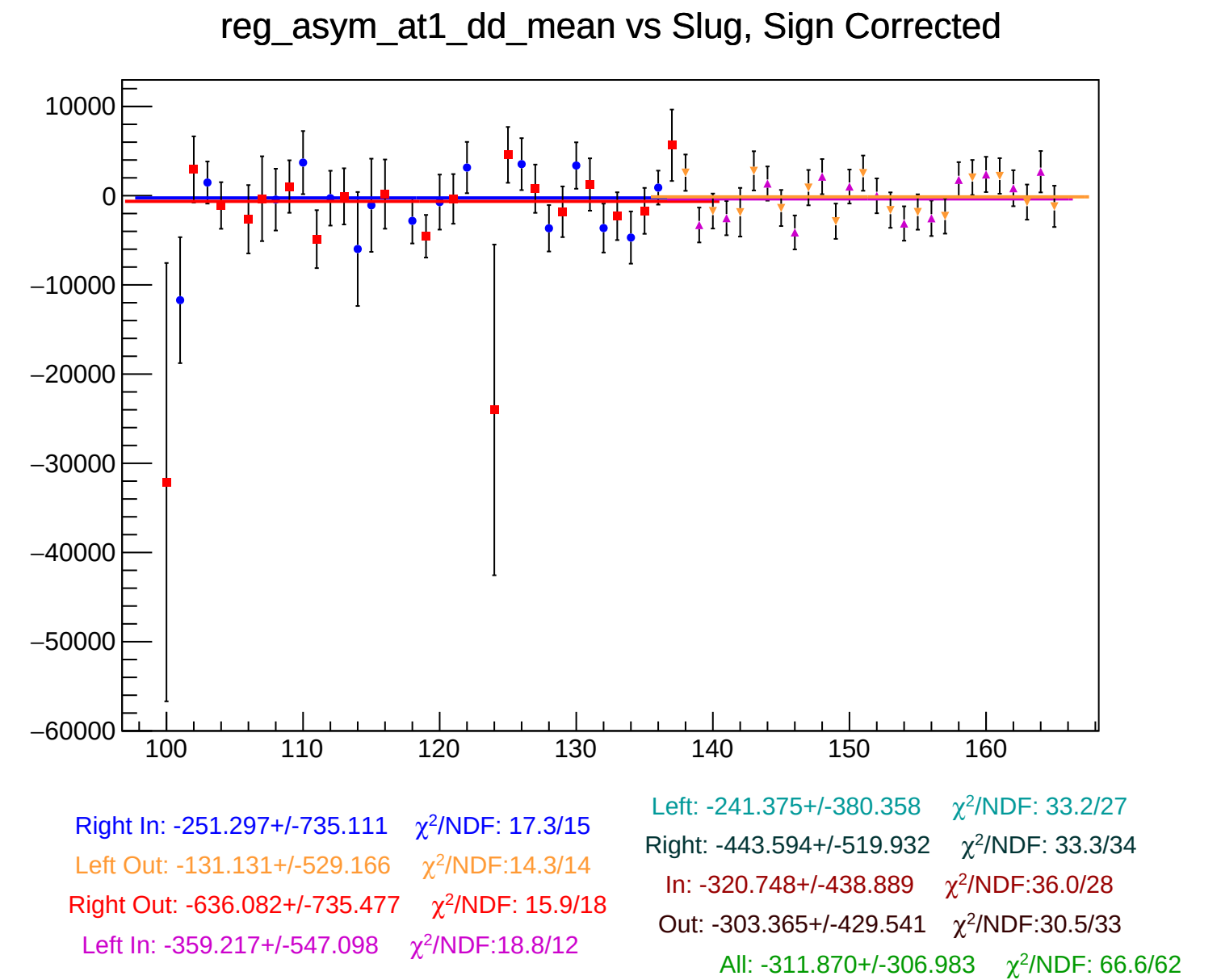
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:37.3/28

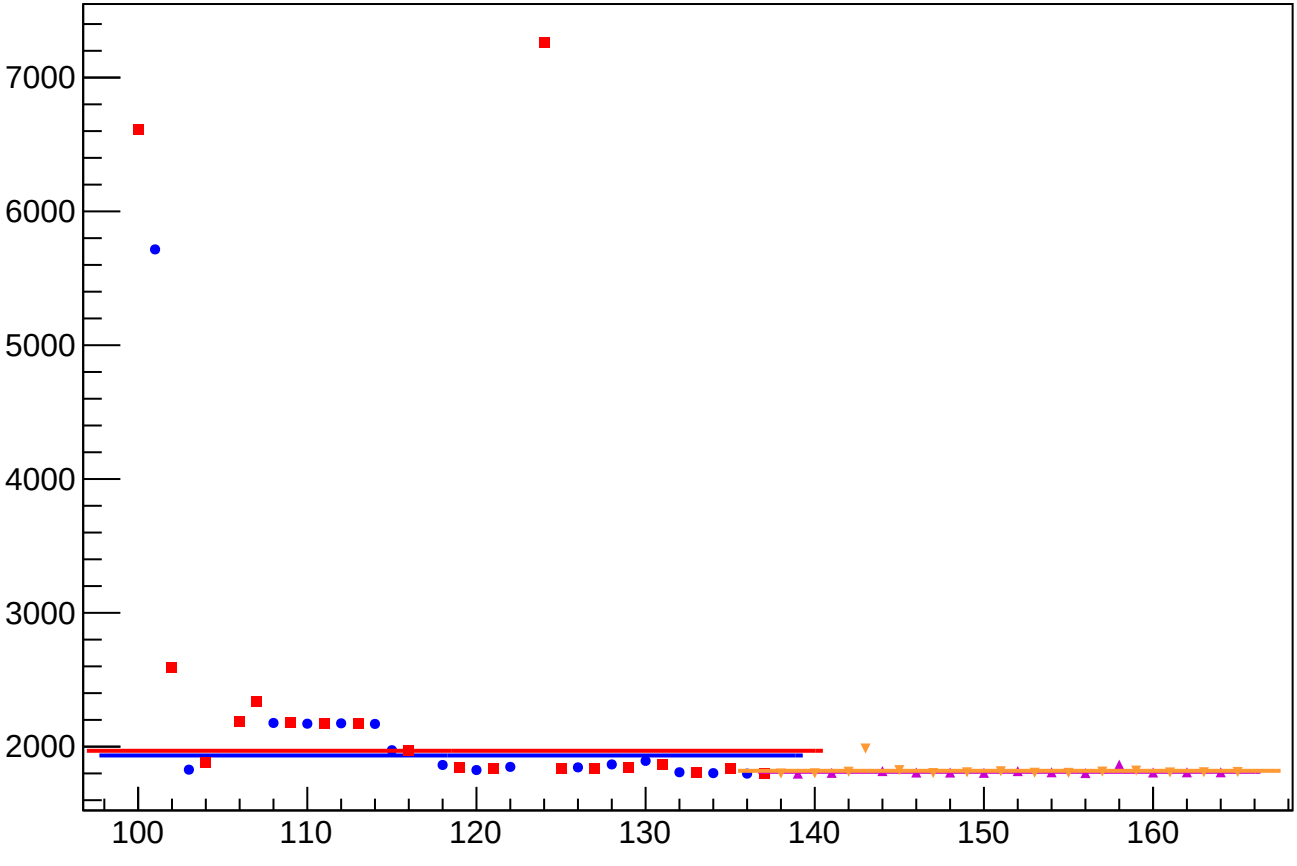
Out: 0.000+/-0.000 χ^2/NDF:25.0/33

All: -0.000+/-0.000 χ^2/NDF: 62.7/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1625006.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1223265.3/12
Left: 0.000+/-0.000 χ²/NDF: 2848272.8/27
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4729568.7/28
Out: 0.000+/-0.000 χ²/NDF:4490935.3/33
All: 0.000+/-0.000 χ²/NDF: 9222942.5/62


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -131.131+/-529.166 χ²/NDF:14.3/14
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -359.217+/-547.098 χ²/NDF:18.8/12
Left: -241.375+/-380.358 χ²/NDF: 33.2/27
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -320.748+/-438.889 χ²/NDF:36.0/28
Out: -303.365+/-429.541 χ²/NDF:30.5/33
All: -311.870+/-306.983 χ²/NDF: 66.6/62

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

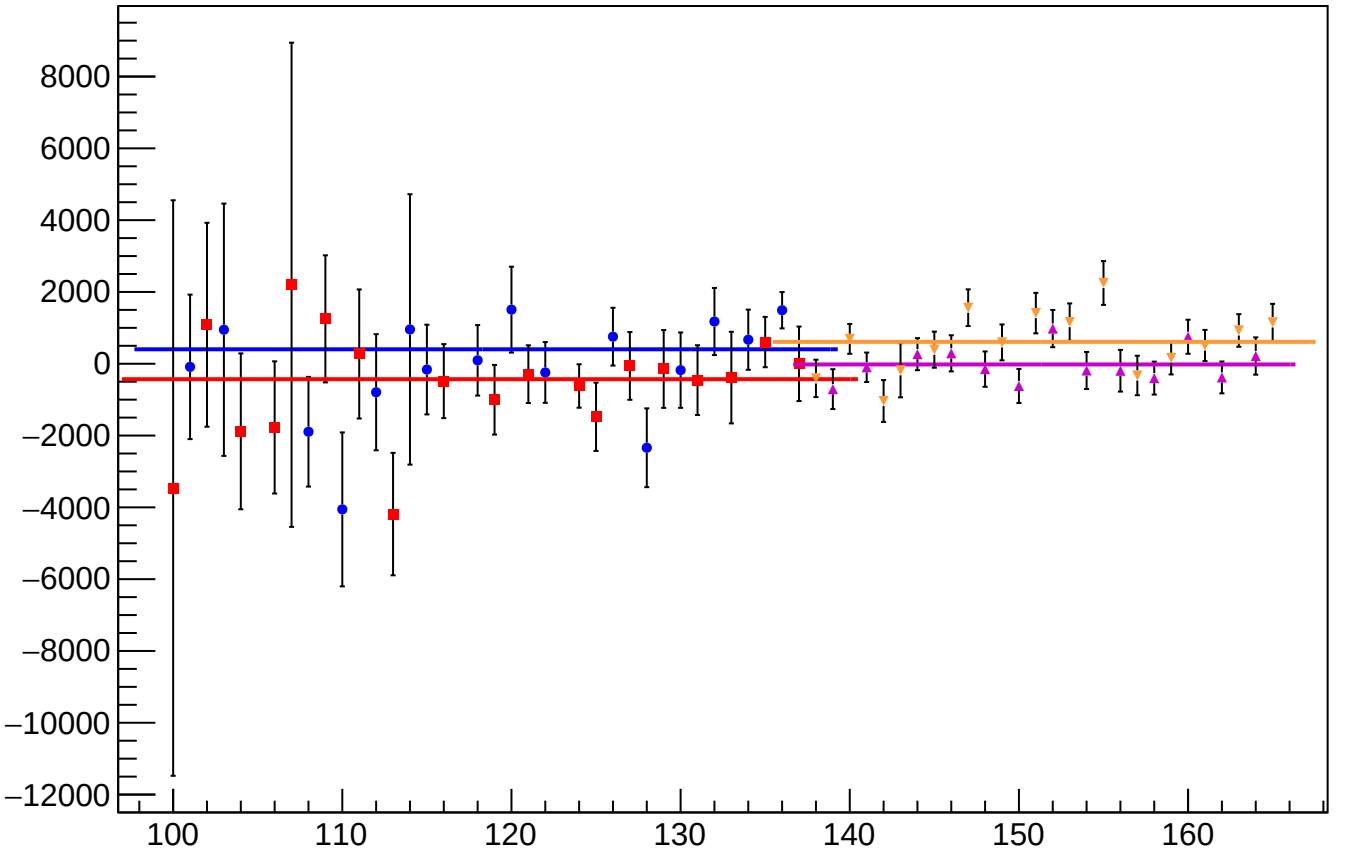
Left: 1815.946+/-0.269 χ^2/NDF: 14430.9/27

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1855.633+/-0.310 χ^2/NDF:677165.4/28

Out: 1870.588+/-0.304 χ^2/NDF:445459.4/33

All: 1863.272+/-0.217 χ^2/NDF: 1123810.9/62



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 609.940+/-132.010 χ^2/NDF:32.4/14

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -19.383+/-134.667 χ^2/NDF:12.1/12

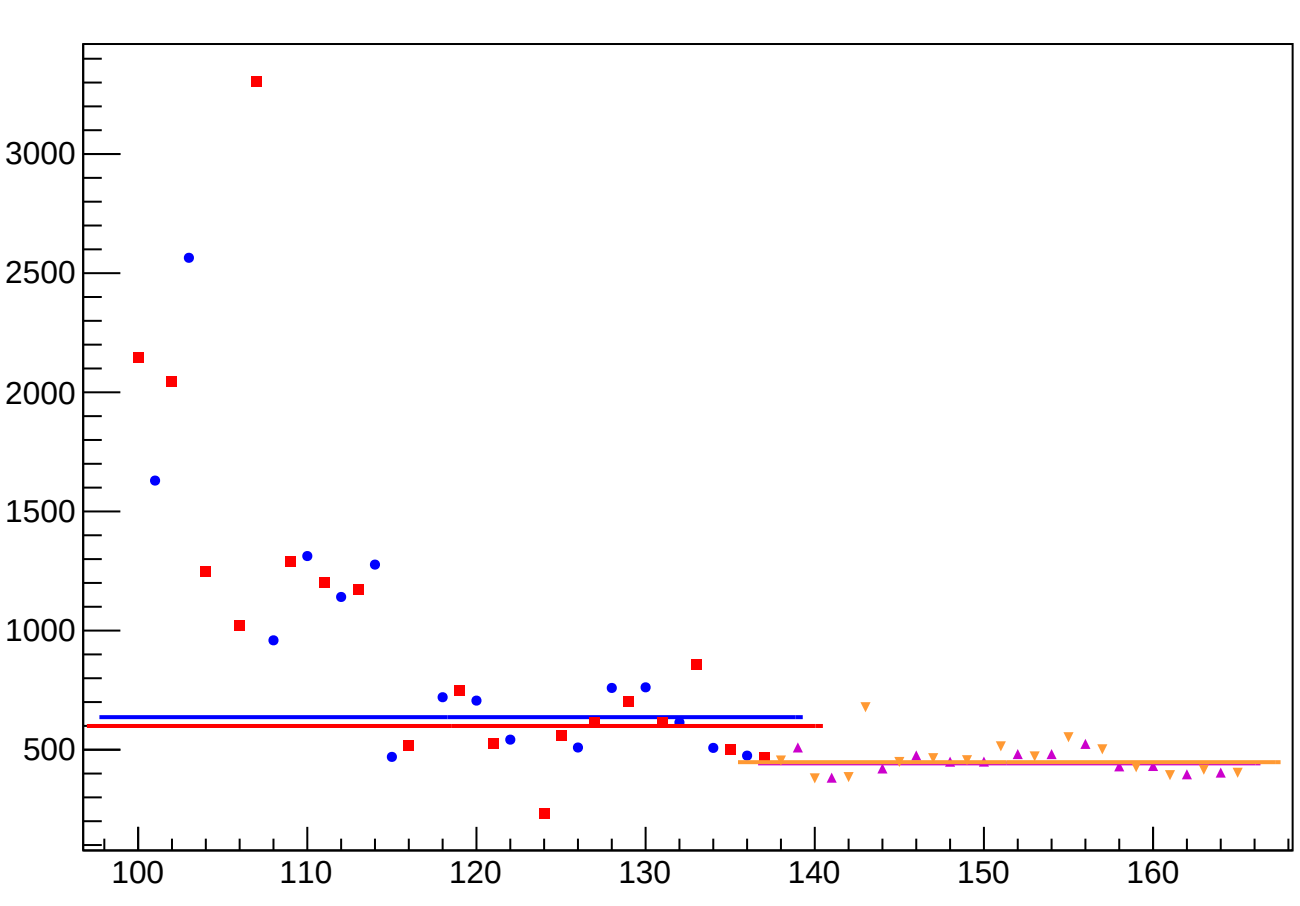
Left: 301.550+/-94.270 χ^2/NDF: 55.7/27

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 70.660+/-119.440 χ^2/NDF:35.4/28

Out: 387.143+/-117.018 χ^2/NDF:57.5/33

All: 232.141+/-83.587 χ^2/NDF: 96.4/62



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 447.744+/-0.093 χ^2/NDF:437028.8/14

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 442.717+/-0.095 χ^2/NDF:183533.8/12

Left: 445.281+/-0.067 χ^2/NDF: 621983.9/27

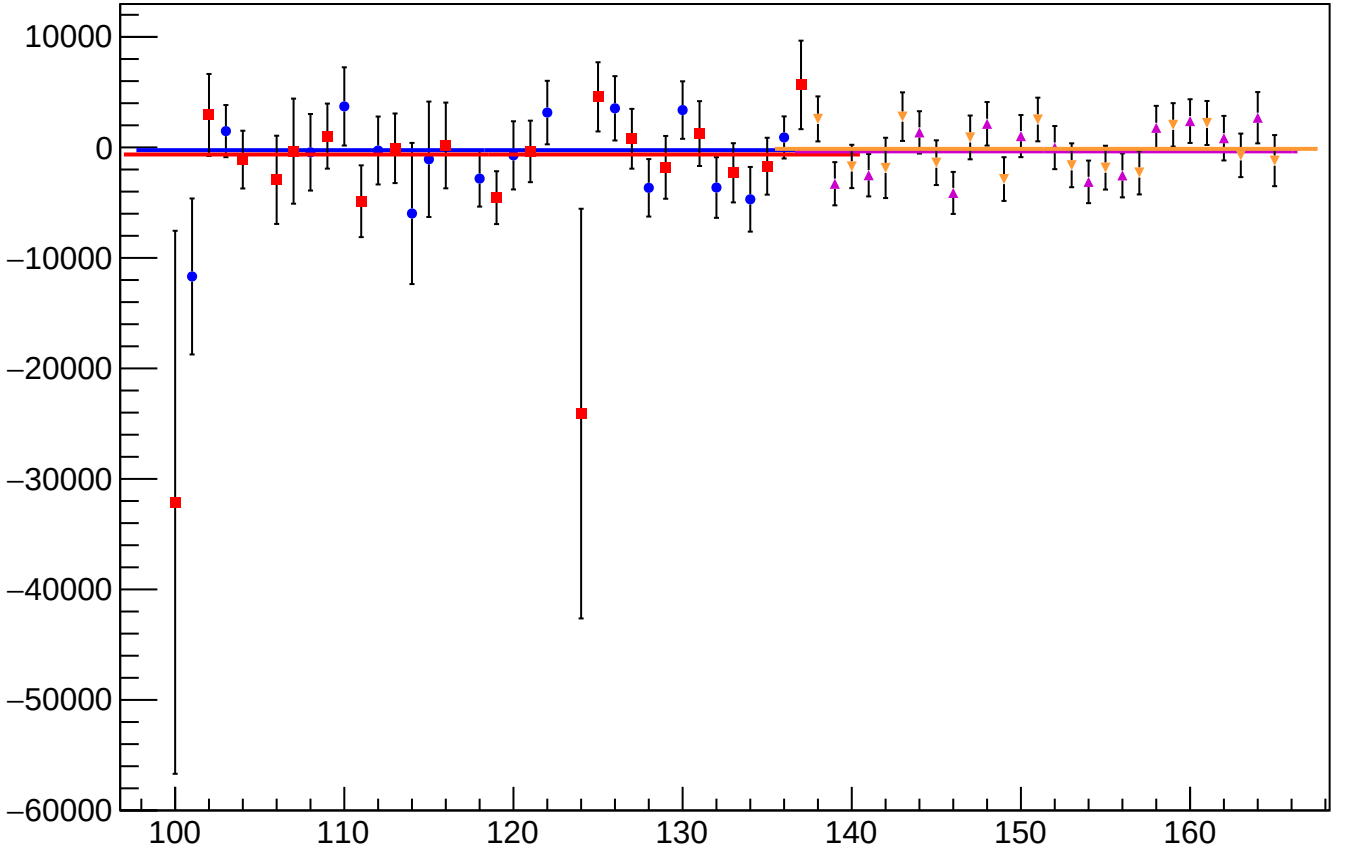
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 484.106+/-0.084 χ^2/NDF:3135867.3/28

Out: 480.282+/-0.083 χ^2/NDF:3948327.7/33

All: 482.155+/-0.059 χ^2/NDF: 7085241.1/62

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -131.187+/-529.166 χ^2/NDF:14.3/14

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -359.184+/-547.098 χ^2/NDF:18.8/12

Left: -241.387+/-380.358 χ^2/NDF: 33.2/27

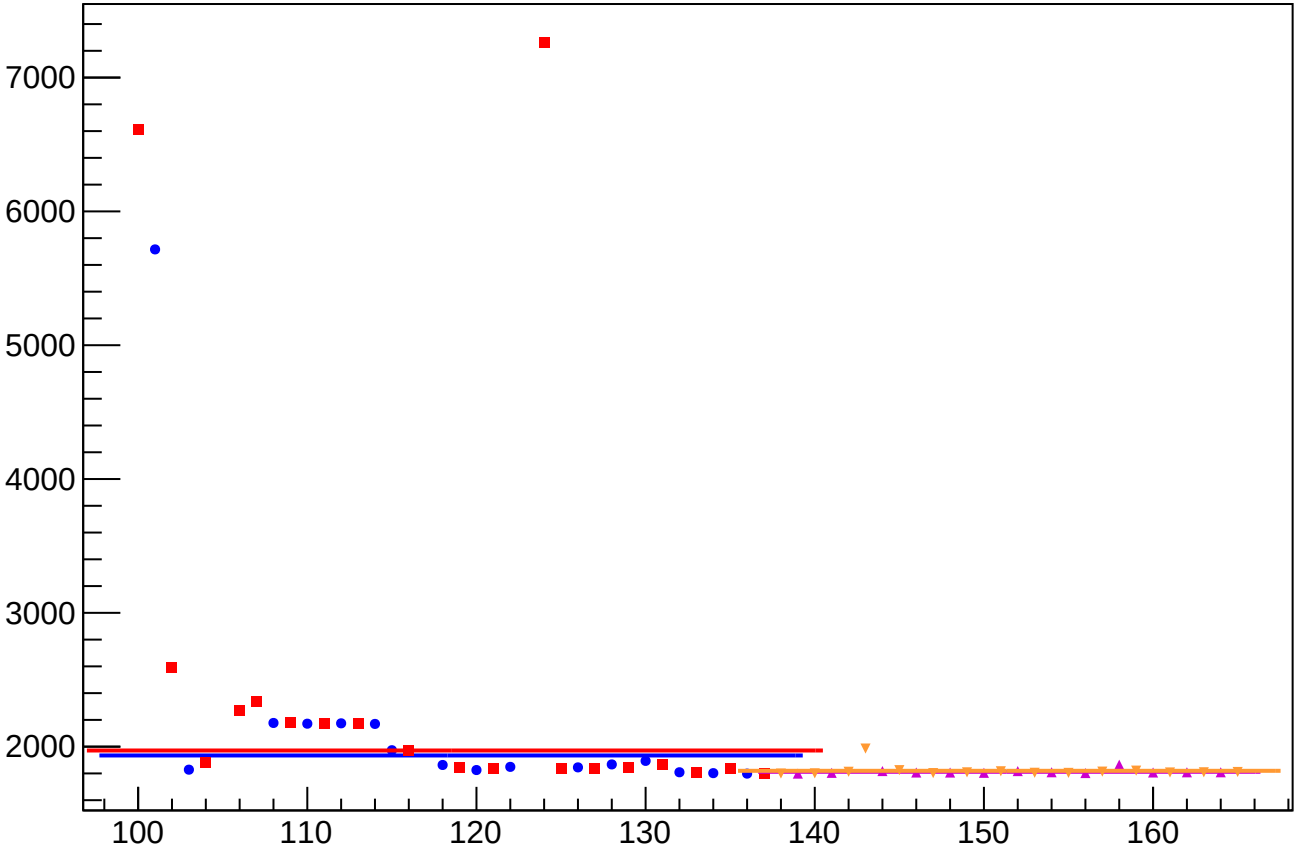
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -320.438+/-438.890 χ^2/NDF:36.0/28

Out: -304.700+/-429.754 χ^2/NDF:30.6/33

All: -312.404+/-307.061 χ^2/NDF: 66.6/62

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

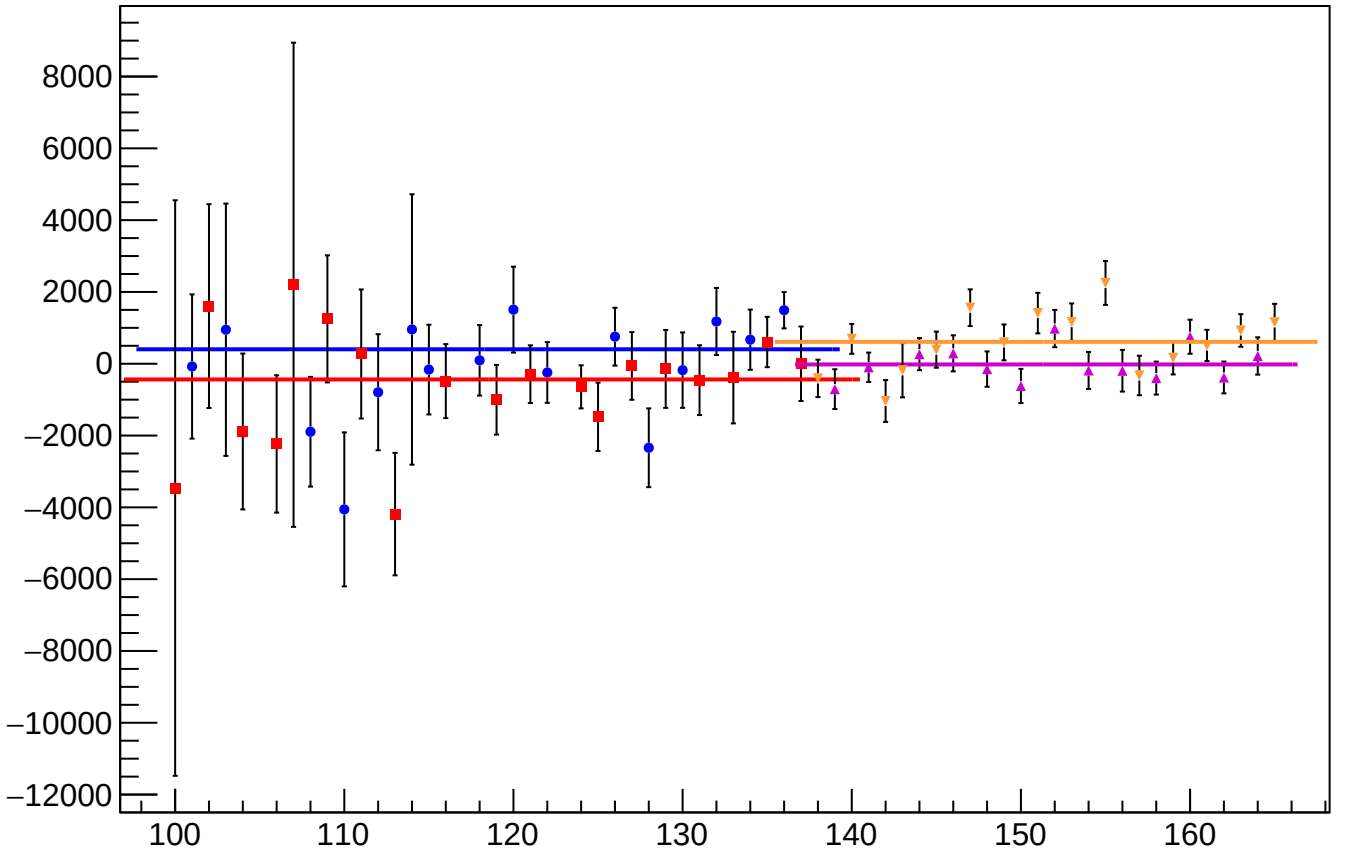
Left: 1815.946+/-0.269 χ^2/NDF: 14430.9/27

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1855.633+/-0.310 χ^2/NDF:677165.3/28

Out: 1871.223+/-0.304 χ^2/NDF:451730.6/33

All: 1863.592+/-0.217 χ^2/NDF: 1130184.2/62



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 609.868+/-132.010 χ^2/NDF:32.4/14

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -19.384+/-134.666 χ^2/NDF:12.1/12

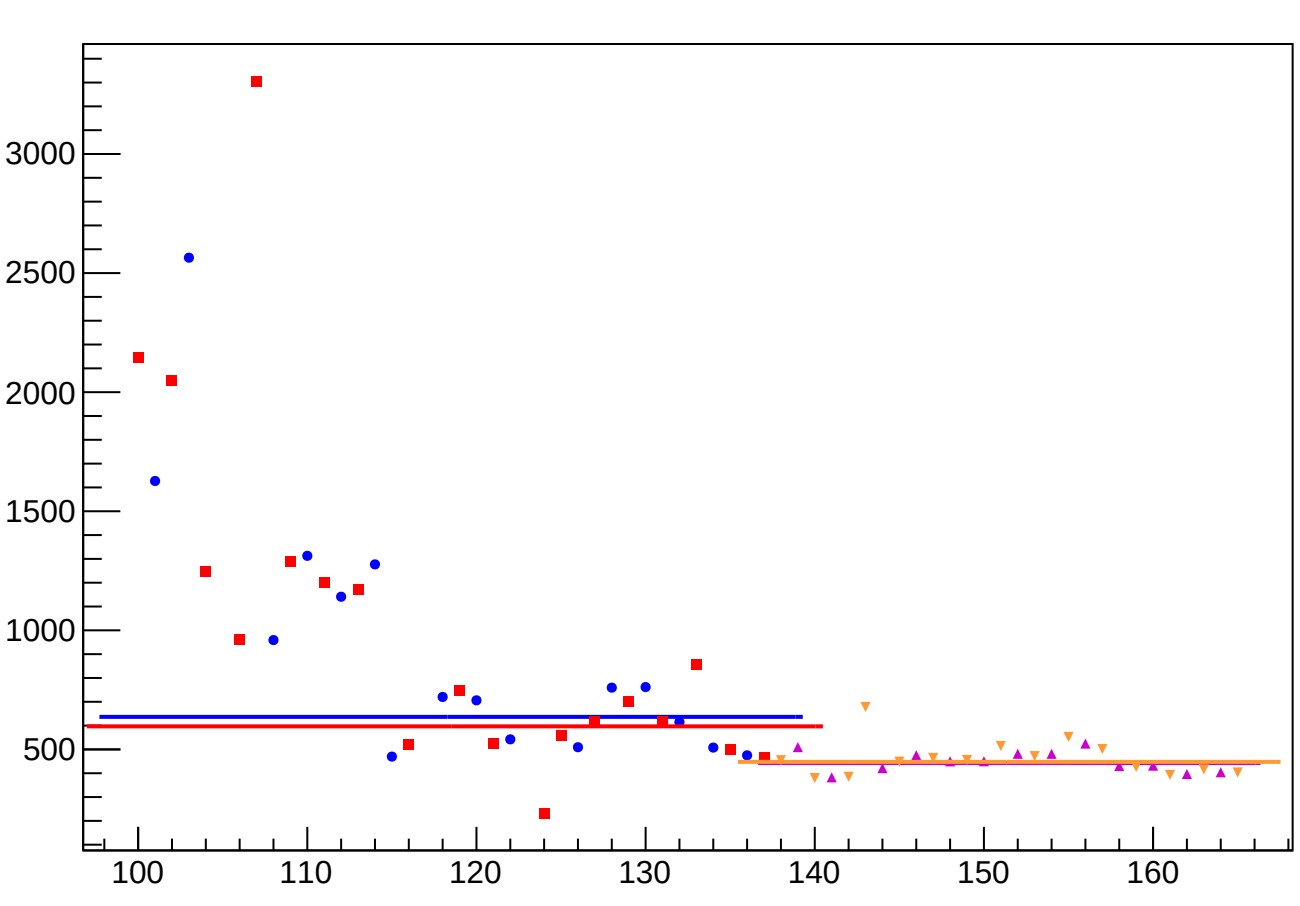
Left: 301.510+/-94.270 χ^2/NDF: 55.7/27

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 70.680+/-119.438 χ^2/NDF:35.4/28

Out: 385.456+/-117.004 χ^2/NDF:58.3/33

All: 231.308+/-83.581 χ^2/NDF: 97.2/62



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 447.745+/-0.093 χ^2/NDF:436998.6/14

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

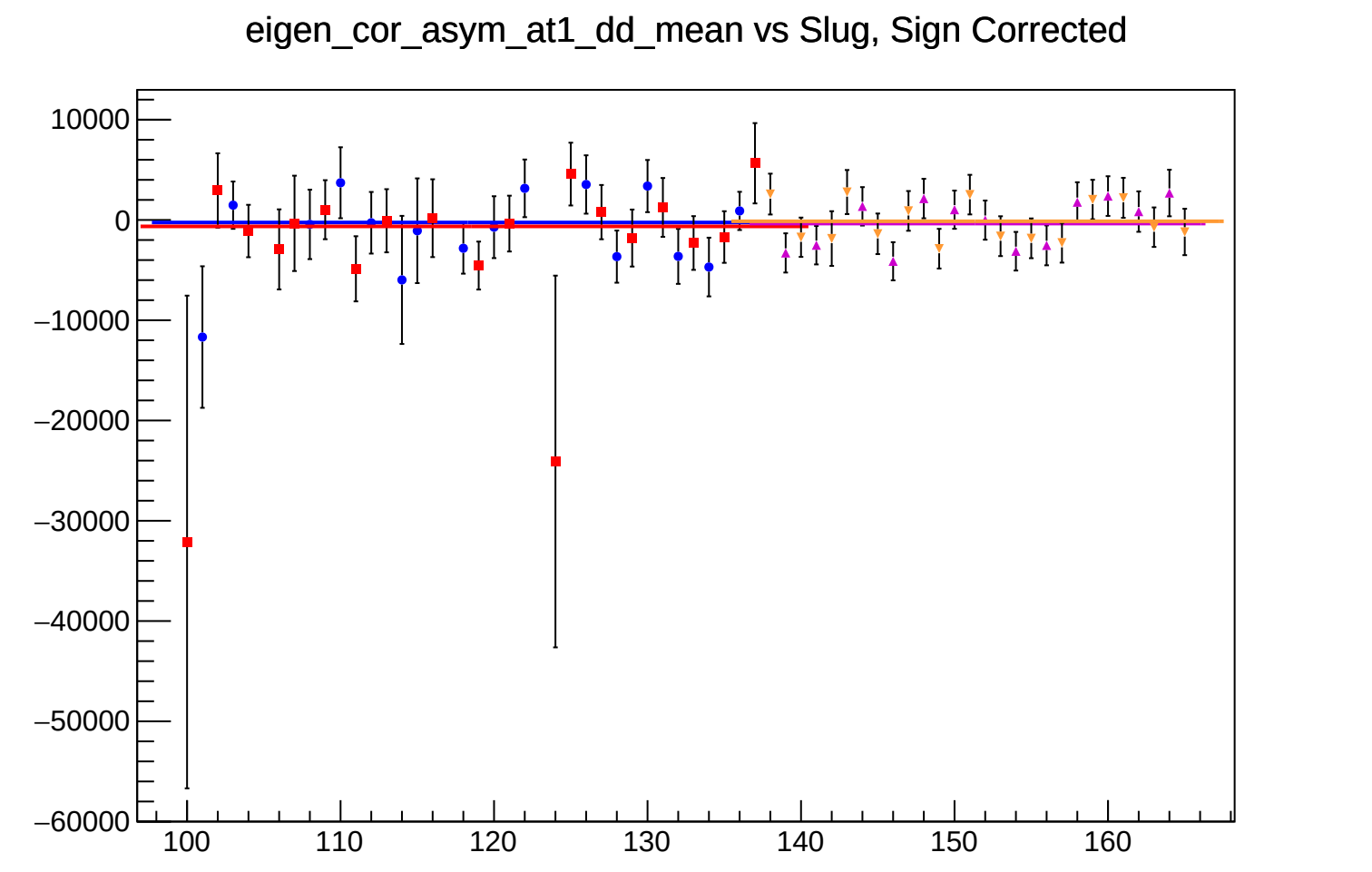
Left: 445.279+/-0.067 χ^2/NDF: 621946.0/27

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 484.106+/-0.084 χ^2/NDF:3135054.4/28

Out: 479.720+/-0.083 χ^2/NDF:3914655.5/33

All: 481.868+/-0.059 χ^2/NDF: 7051086.6/62



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -131.187+/-529.166 χ^2/NDF:14.3/14

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -359.184+/-547.098 χ^2/NDF:18.8/12

Left: -241.387+/-380.358 χ^2/NDF: 33.2/27

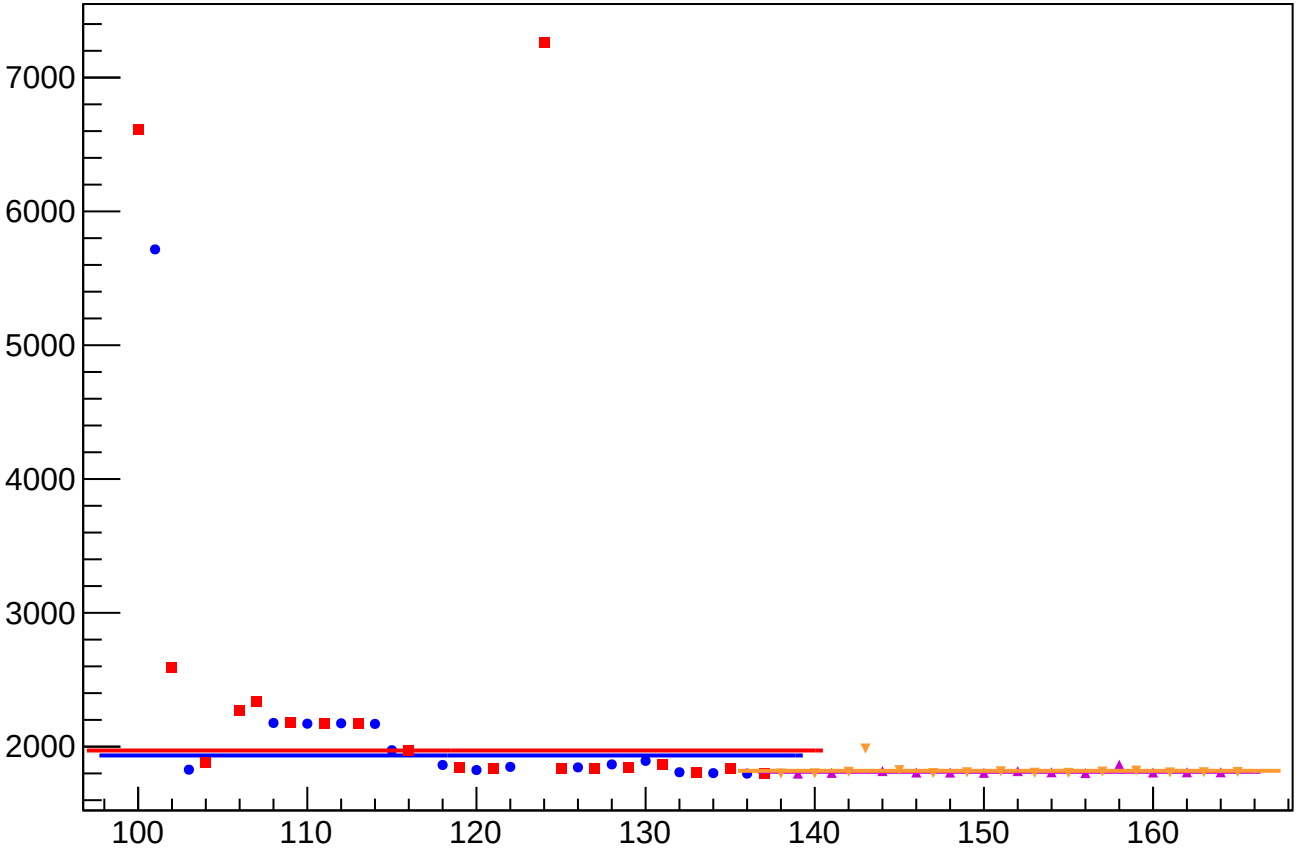
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -320.438+/-438.890 χ^2/NDF:36.0/28

Out: -304.700+/-429.754 χ^2/NDF:30.6/33

All: -312.404+/-307.061 χ^2/NDF: 66.6/62

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

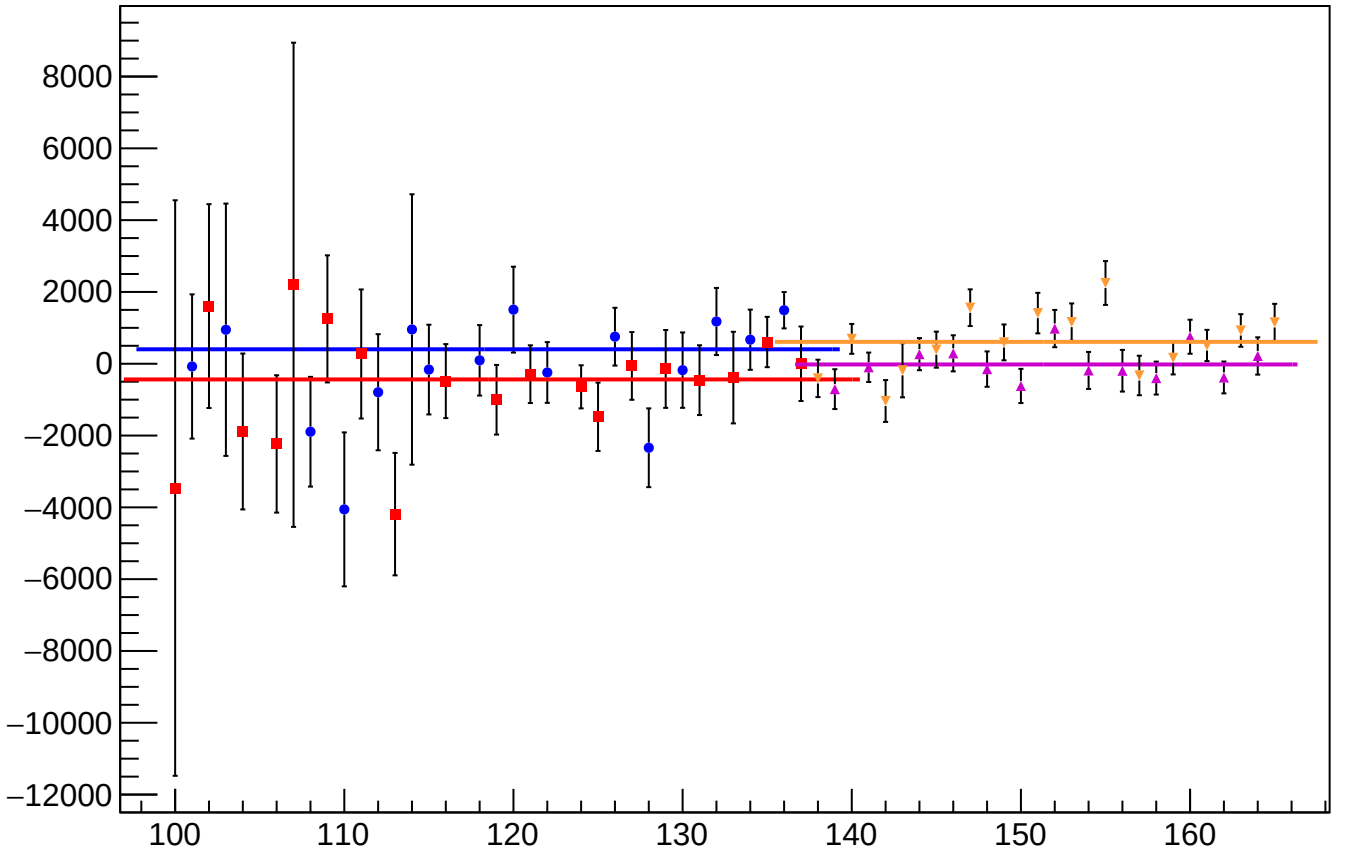
Left: 1815.946+/-0.269 χ^2/NDF: 14430.9/27

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1855.633+/-0.310 χ^2/NDF:677165.3/28

Out: 1871.223+/-0.304 χ^2/NDF:451730.6/33

All: 1863.592+/-0.217 χ^2/NDF: 1130184.2/62



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 609.868+/-132.010 χ^2/NDF:32.4/14

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -19.384+/-134.666 χ^2/NDF:12.1/12

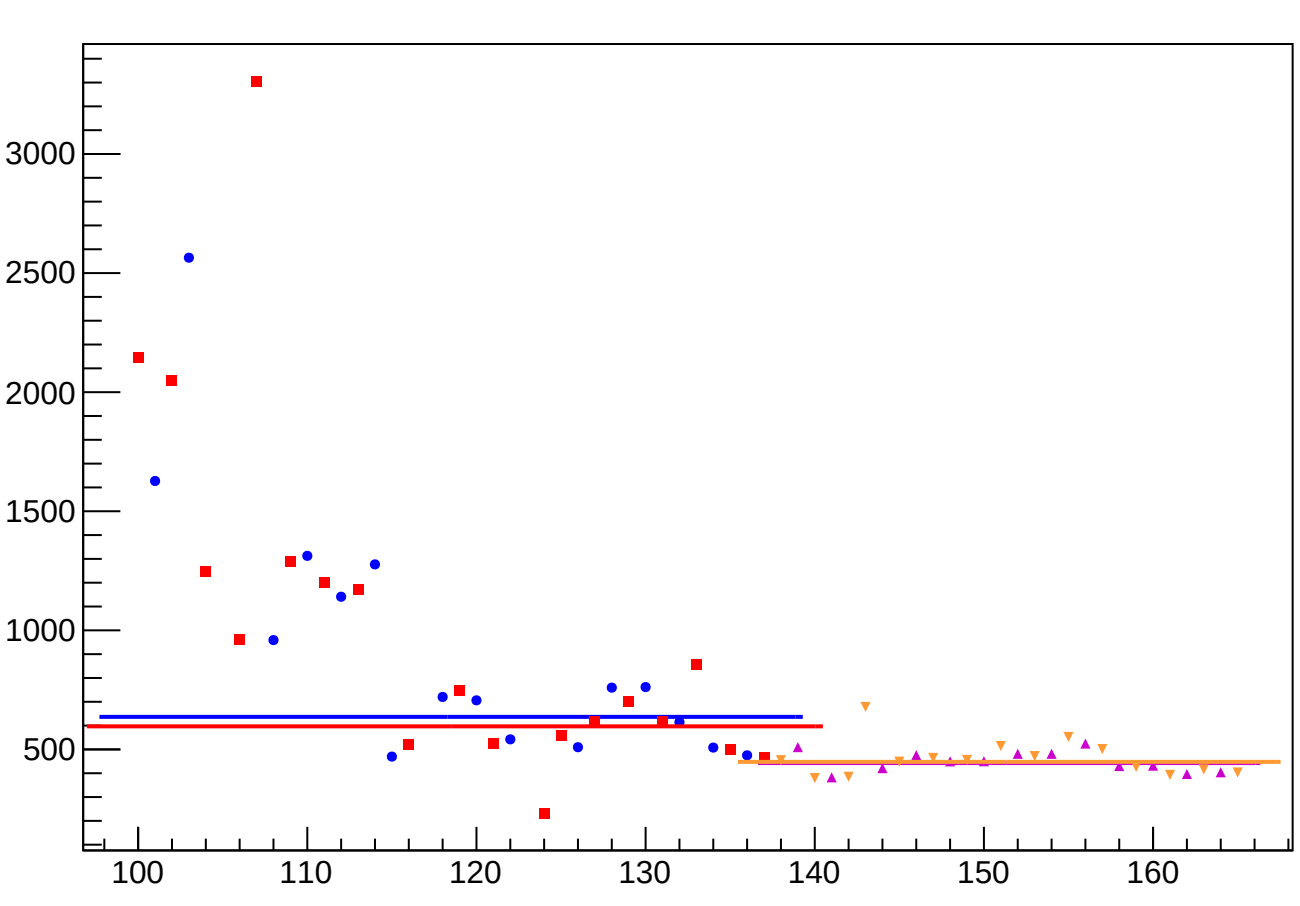
Left: 301.510+/-94.270 χ^2/NDF: 55.7/27

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 70.680+/-119.438 χ^2/NDF:35.4/28

Out: 385.456+/-117.004 χ^2/NDF:58.3/33

All: 231.308+/-83.581 χ^2/NDF: 97.2/62



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 447.745+/-0.093 χ^2/NDF:436998.6/14

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

Left: 445.279+/-0.067 χ^2/NDF: 621946.0/27

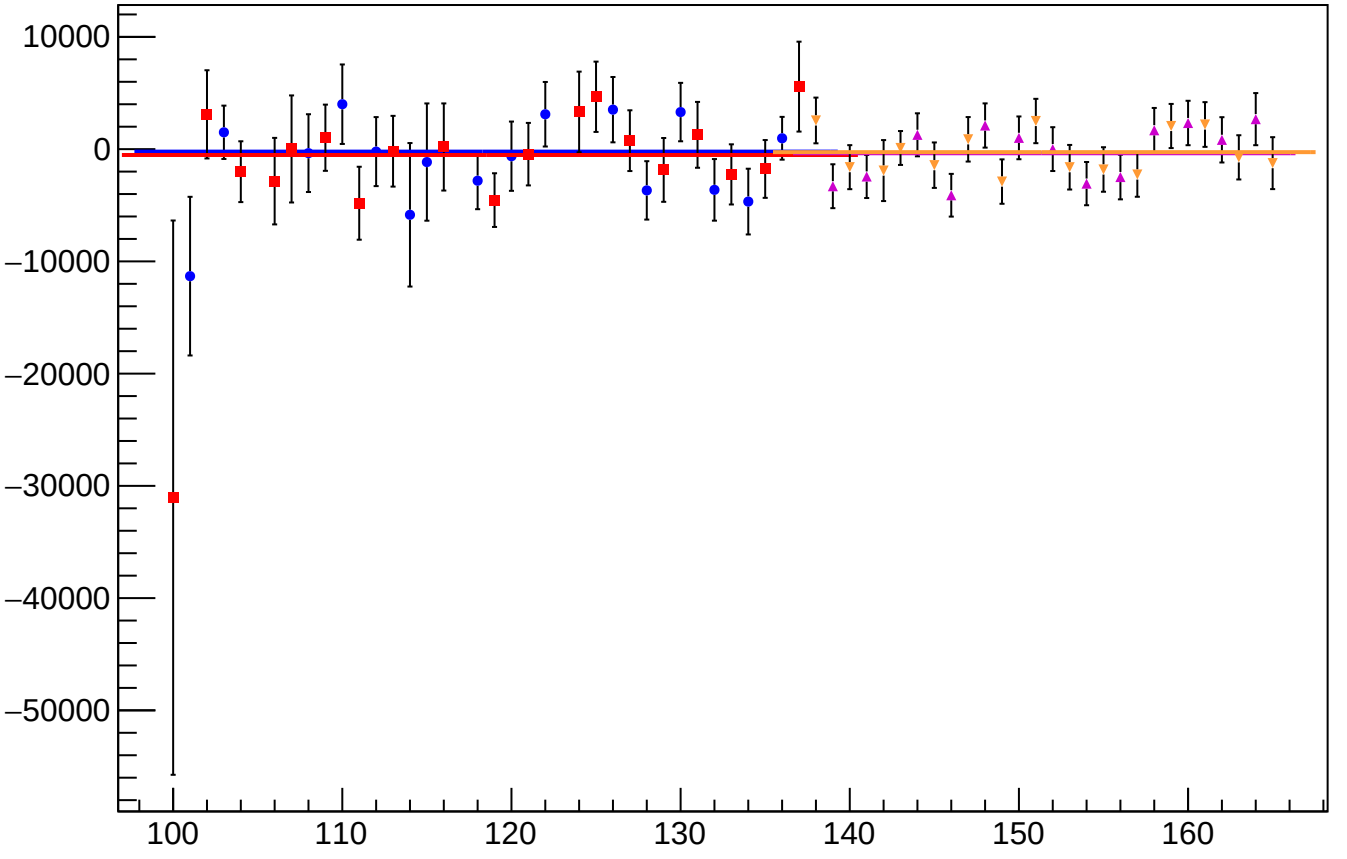
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 484.106+/-0.084 χ^2/NDF:3135054.4/28

Out: 479.720+/-0.083 χ^2/NDF:3914655.5/33

All: 481.868+/-0.059 χ^2/NDF: 7051086.6/62

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -267.024+/-512.862 χ^2/NDF:12.4/14

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -366.496+/-547.288 χ^2/NDF:18.2/12

Left: -313.533+/-374.227 χ^2/NDF: 30.7/27

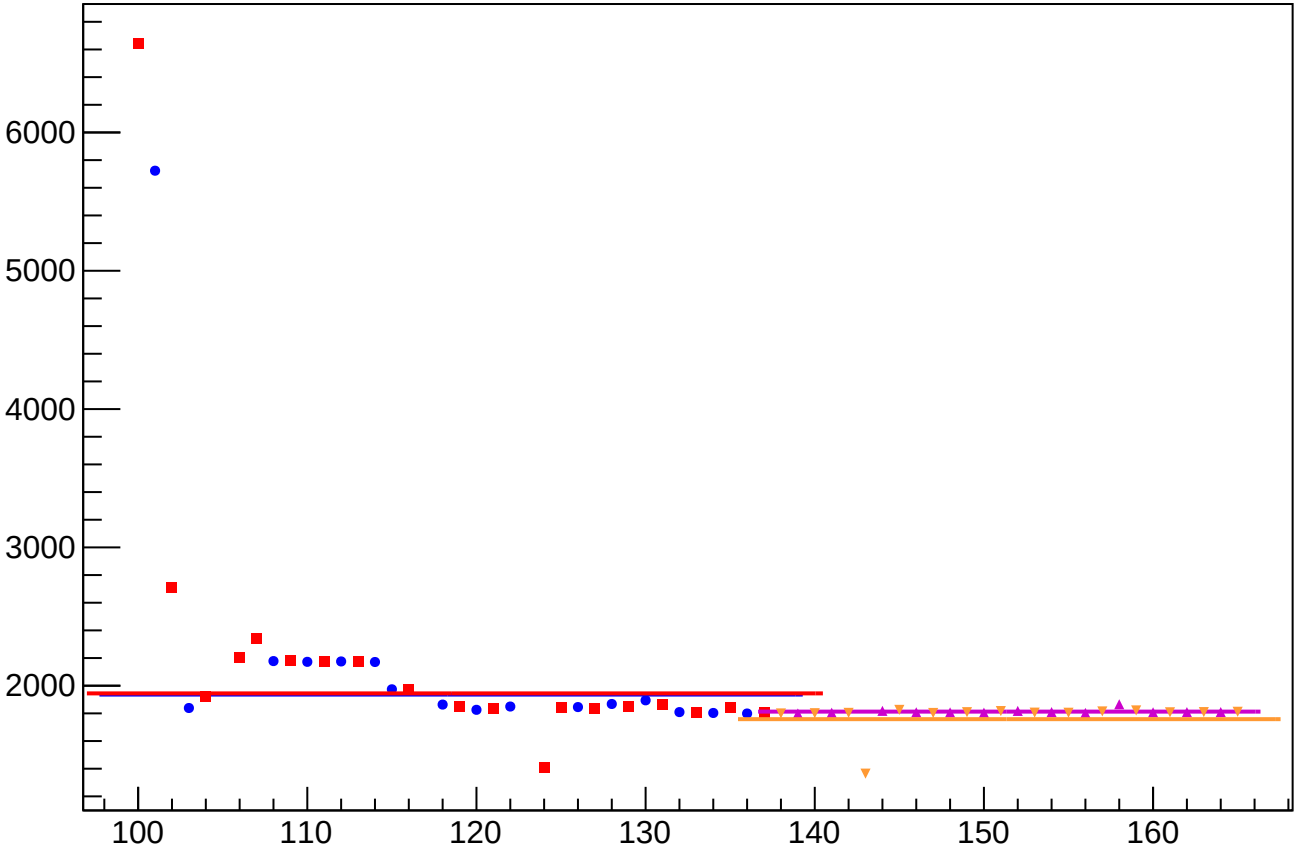
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -314.464+/-439.152 χ^2/NDF:35.4/28

Out: -351.487+/-418.689 χ^2/NDF:28.1/33

All: -333.858+/-303.034 χ^2/NDF: 63.5/62

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1758.145+/-0.363 χ^2/NDF:154236.8/14

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

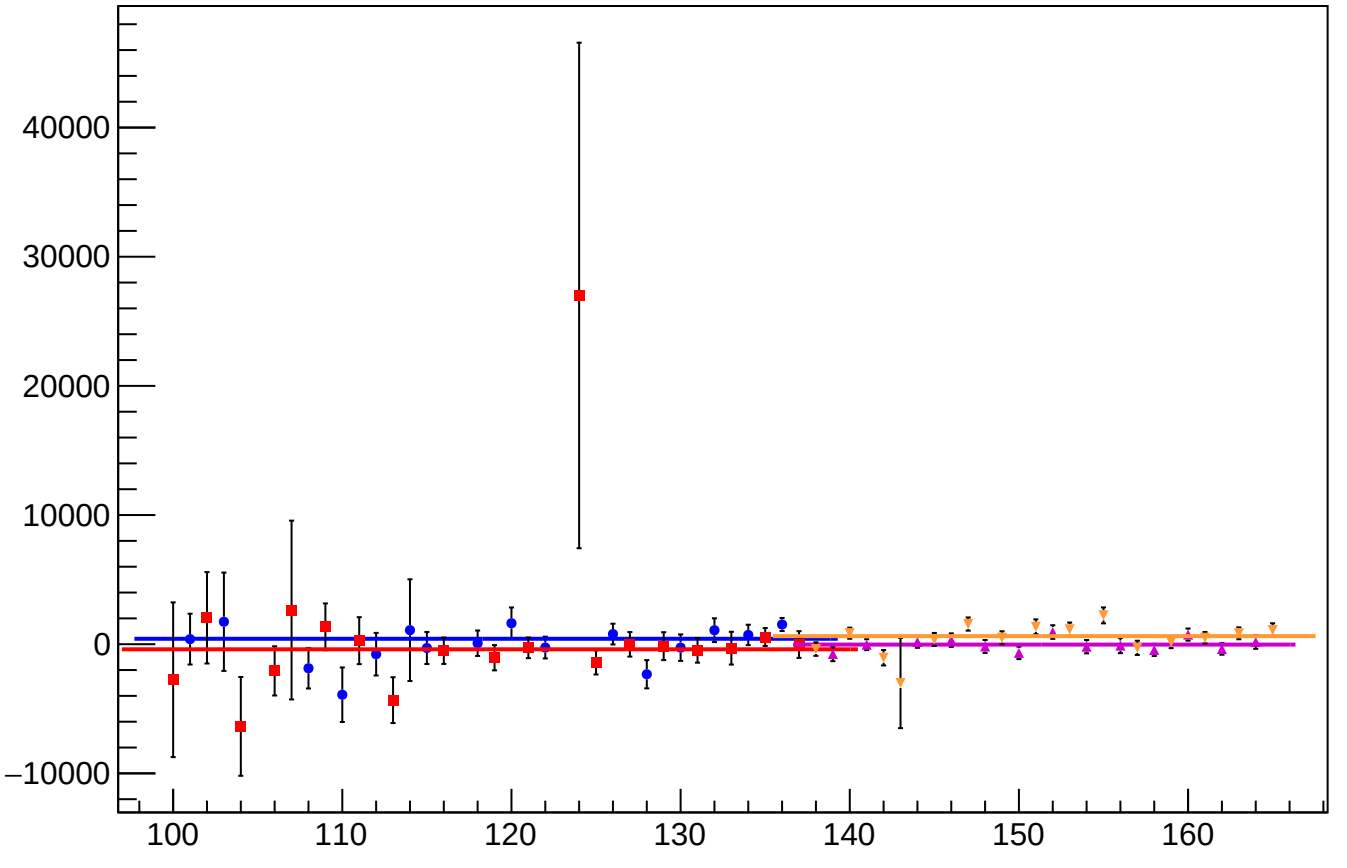
Left: 1783.668+/-0.265 χ^2/NDF: 166556.1/27

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1856.623+/-0.311 χ^2/NDF:677650.9/28

Out: 1820.298+/-0.296 χ^2/NDF:518528.9/33

All: 1837.594+/-0.214 χ^2/NDF: 1203348.0/62



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 624.813+/-135.969 χ^2/NDF:30.6/14

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -29.083+/-136.757 χ^2/NDF:11.9/12

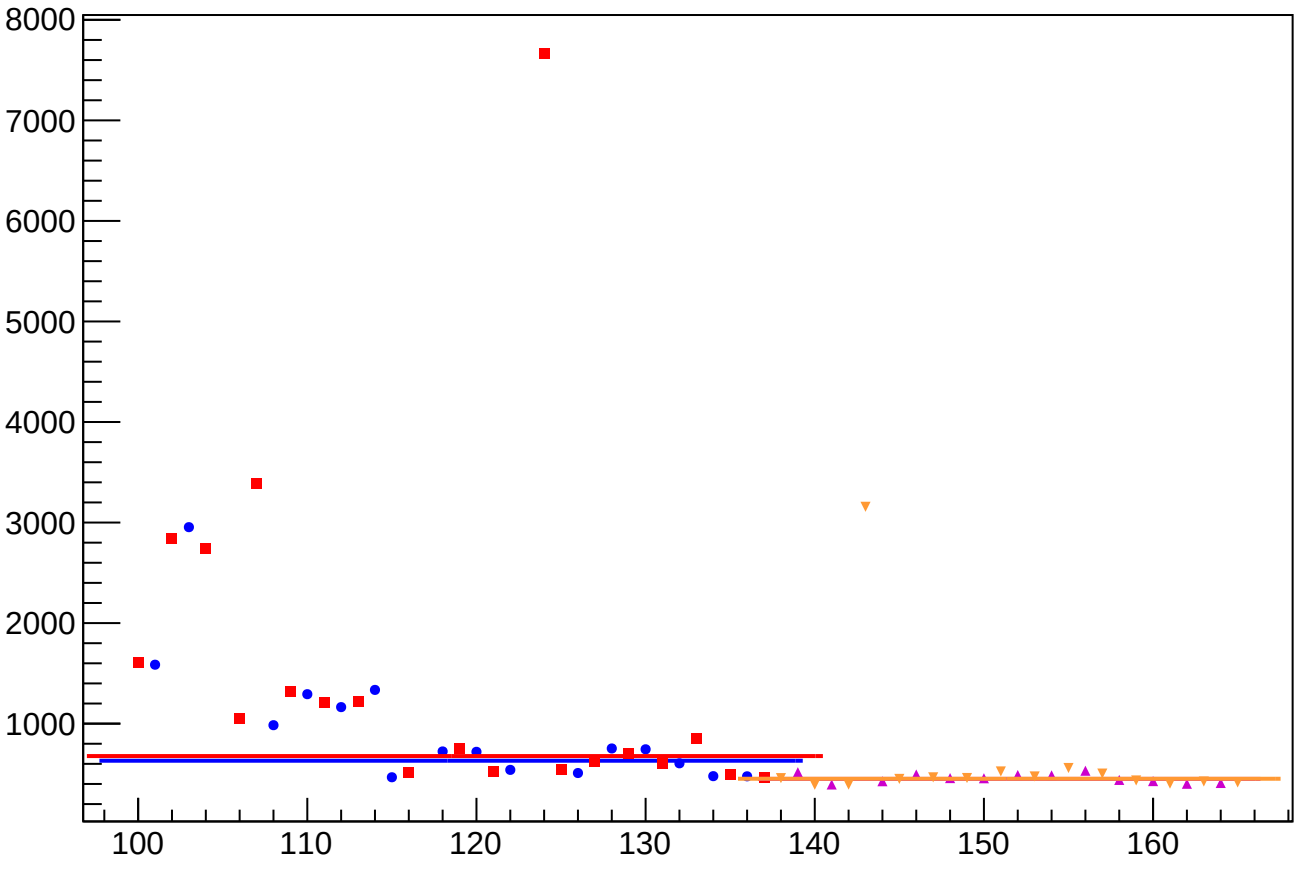
Left: 299.755+/-96.422 χ^2/NDF: 54.0/27

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 70.422+/-120.702 χ^2/NDF:35.7/28

Out: 429.995+/-122.274 χ^2/NDF:57.2/33

All: 247.883+/-85.900 χ^2/NDF: 97.3/62



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 451.842+/-0.096 χ^2/NDF:1415544.8/14

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 450.045+/-0.097 χ^2/NDF:181475.0/12

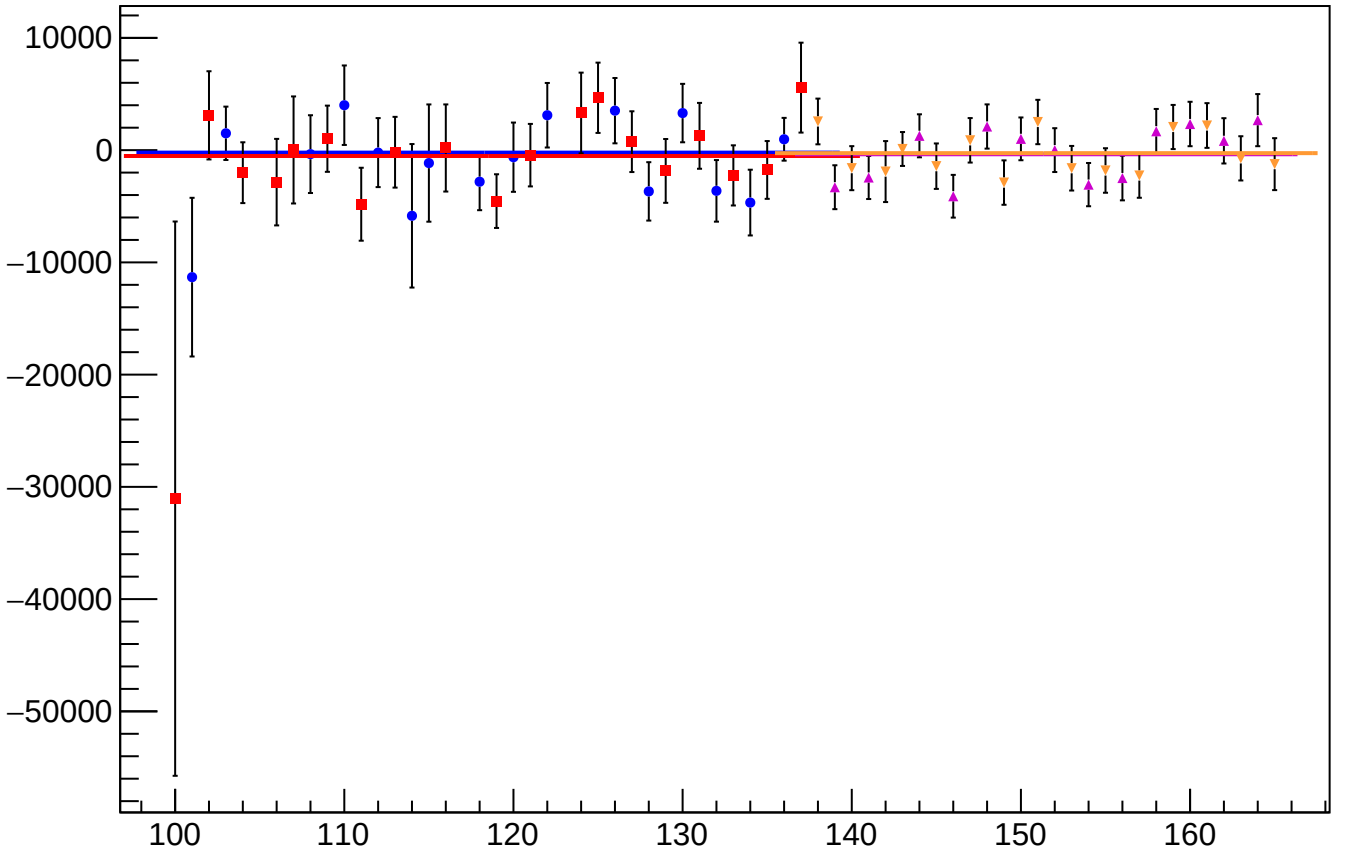
Left: 450.949+/-0.068 χ^2/NDF: 1597193.6/27

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 490.069+/-0.085 χ^2/NDF:3191050.6/28

Out: 494.998+/-0.086 χ^2/NDF:5550339.2/33

All: 492.502+/-0.061 χ^2/NDF: 8743036.2/62



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -267.025+/-512.862 χ^2/NDF:12.4/14

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -366.496+/-547.288 χ^2/NDF:18.2/12

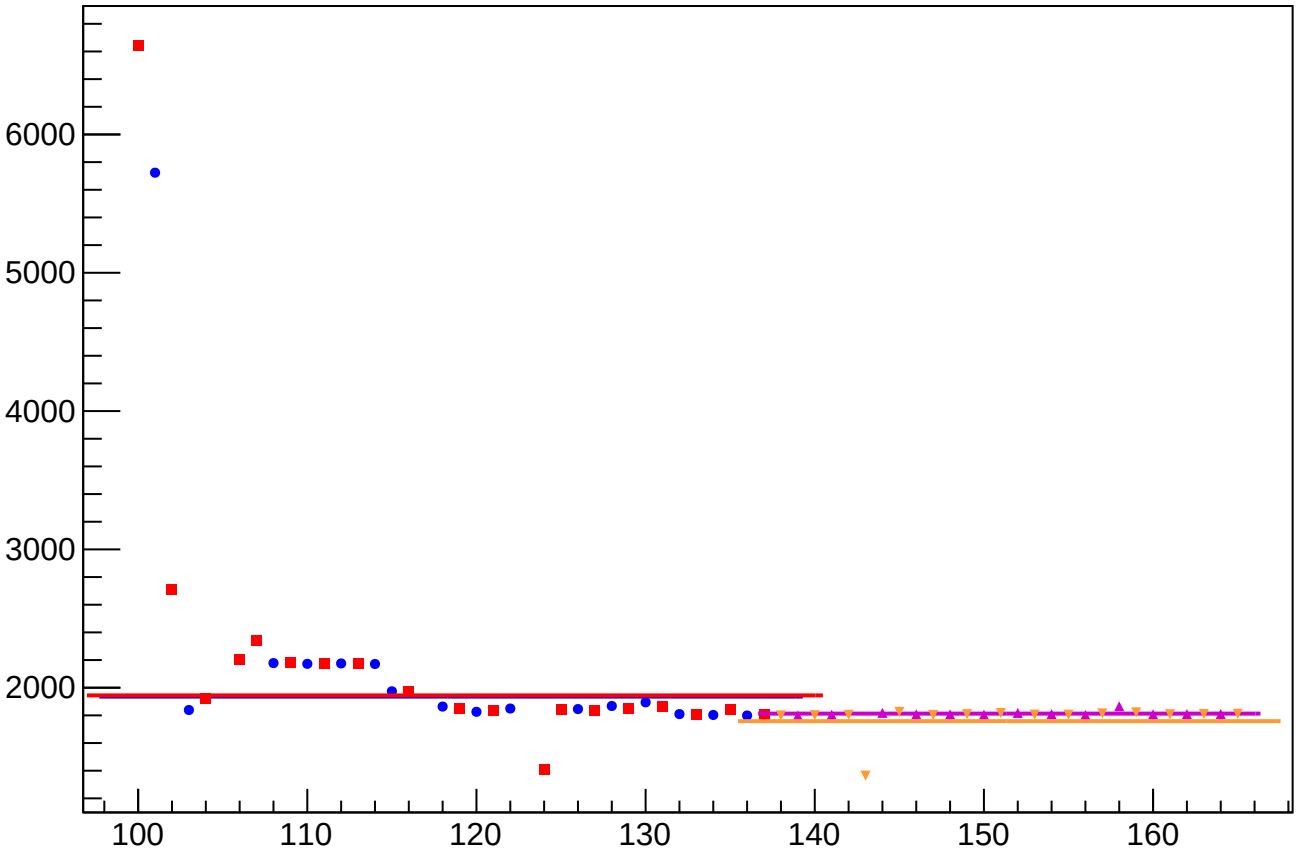
Left: -313.534+/-374.227 χ^2/NDF: 30.7/27

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -314.464+/-439.152 χ^2/NDF:35.4/28

Out: -351.488+/-418.689 χ^2/NDF:28.1/33

All: -333.859+/-303.034 χ^2/NDF: 63.5/62



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1758.145+/-0.363 χ^2/NDF:154236.8/14

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

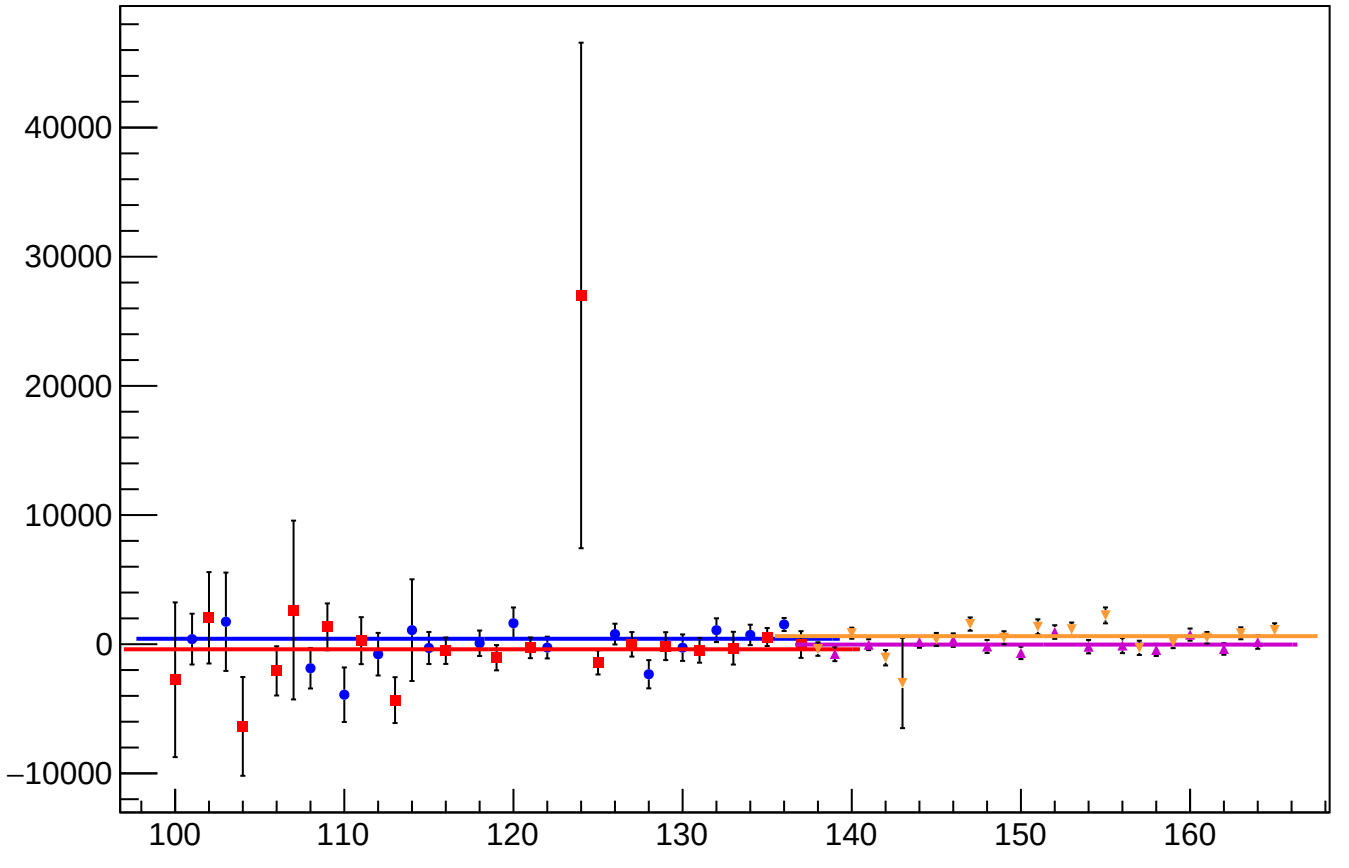
Left: 1783.668+/-0.265 χ^2/NDF: 166556.1/27

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1856.623+/-0.311 χ^2/NDF:677650.9/28

Out: 1820.298+/-0.296 χ^2/NDF:518528.7/33

All: 1837.594+/-0.214 χ^2/NDF: 1203347.7/62



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 624.812+/-135.969 χ^2/NDF:30.6/14

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -29.082+/-136.757 χ^2/NDF:11.9/12

Left: 299.755+/-96.422 χ^2/NDF: 54.0/27

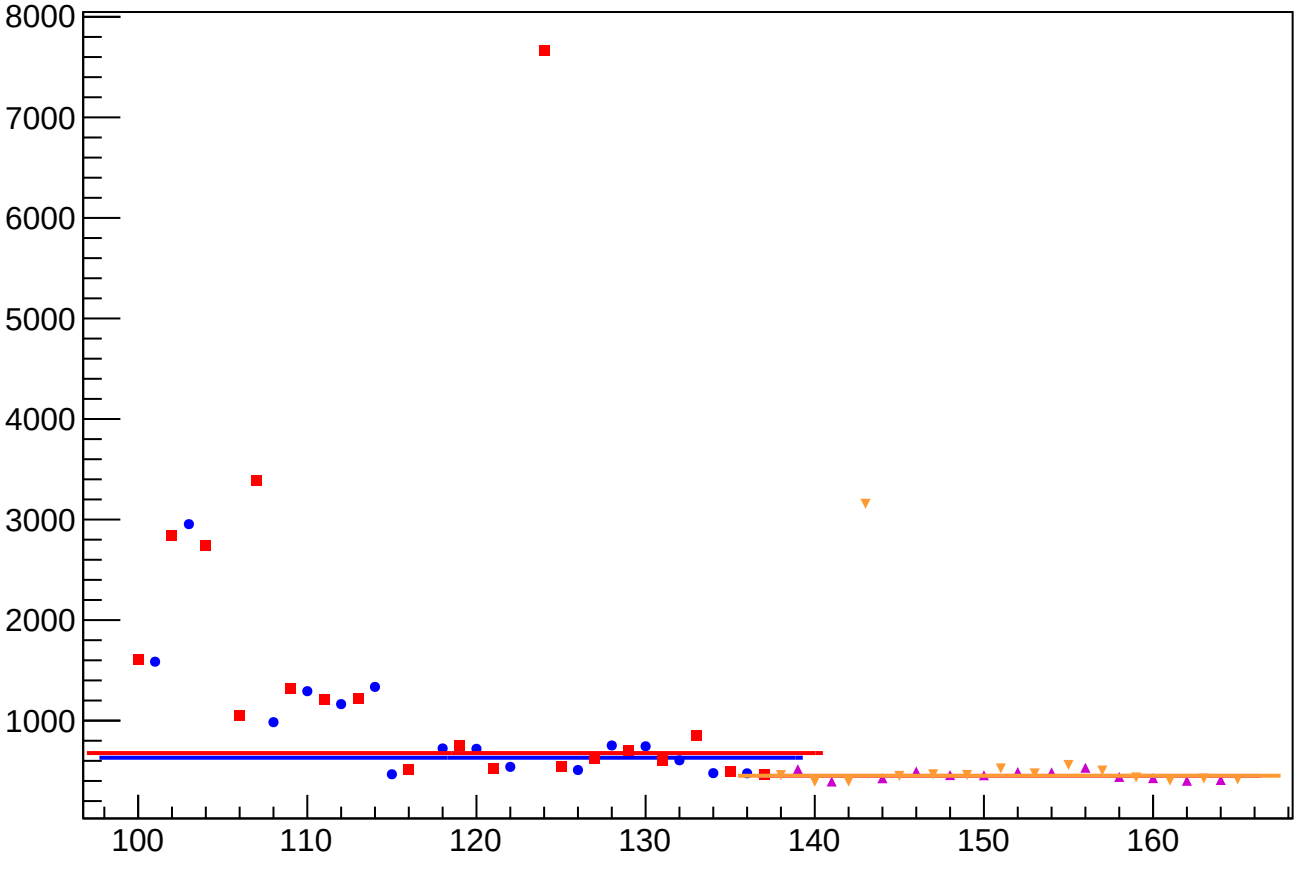
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 70.423+/-120.702 χ^2/NDF:35.7/28

Out: 429.994+/-122.274 χ^2/NDF:57.2/33

All: 247.883+/-85.900 χ^2/NDF: 97.3/62

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: 451.842+/-0.096 χ^2/NDF:1415547.0/14

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 450.045+/-0.097 χ^2/NDF:181477.7/12

Left: 450.949+/-0.068 χ^2/NDF: 1597198.4/27

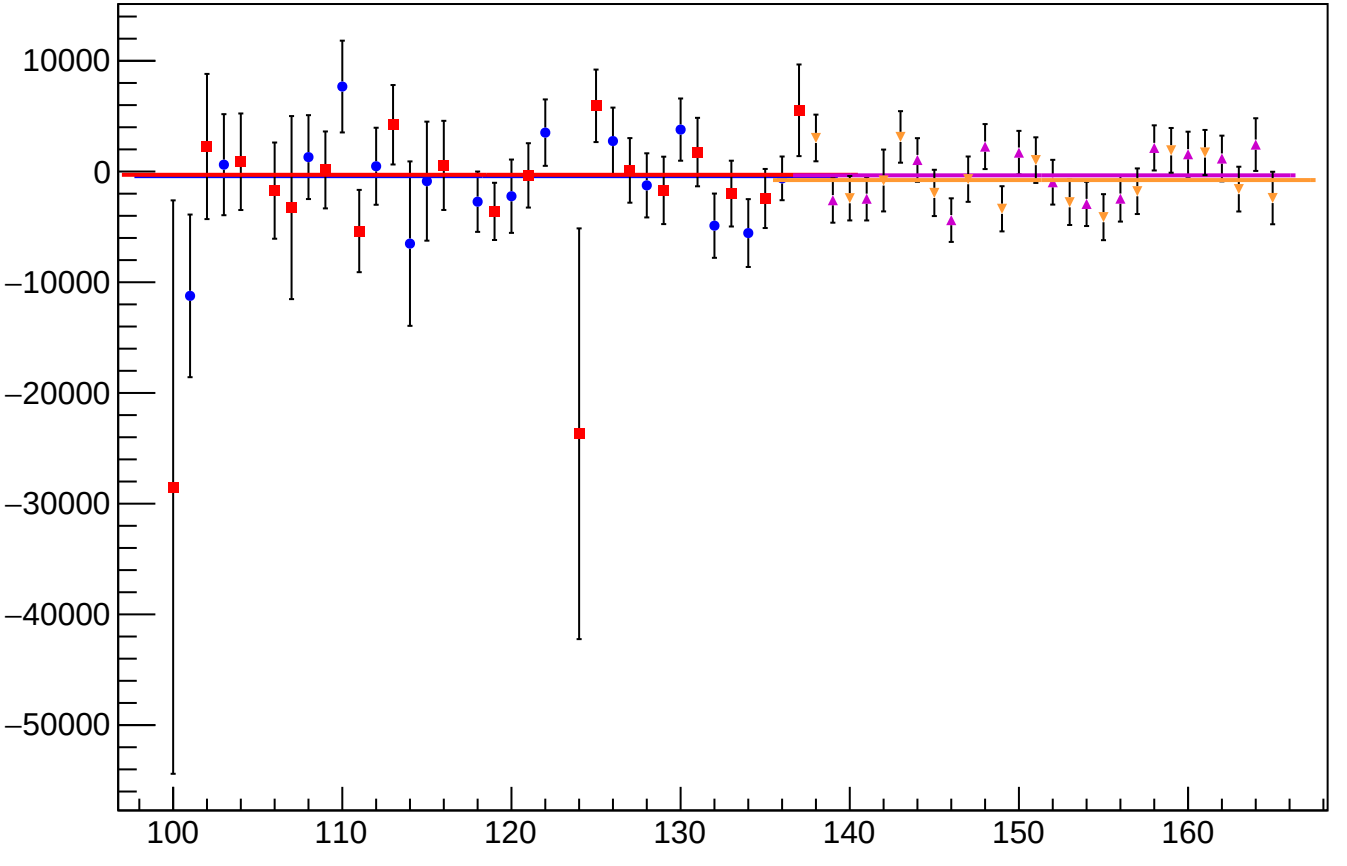
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 490.069+/-0.085 χ^2/NDF:3191052.5/28

Out: 494.998+/-0.086 χ^2/NDF:5550344.0/33

All: 492.501+/-0.061 χ^2/NDF: 8743042.8/62

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -771.549+/-547.019 χ^2/NDF:17.1/14

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -343.465+/-564.392 χ^2/NDF:16.9/12

Left: -564.197+/-392.799 χ^2/NDF: 34.3/27

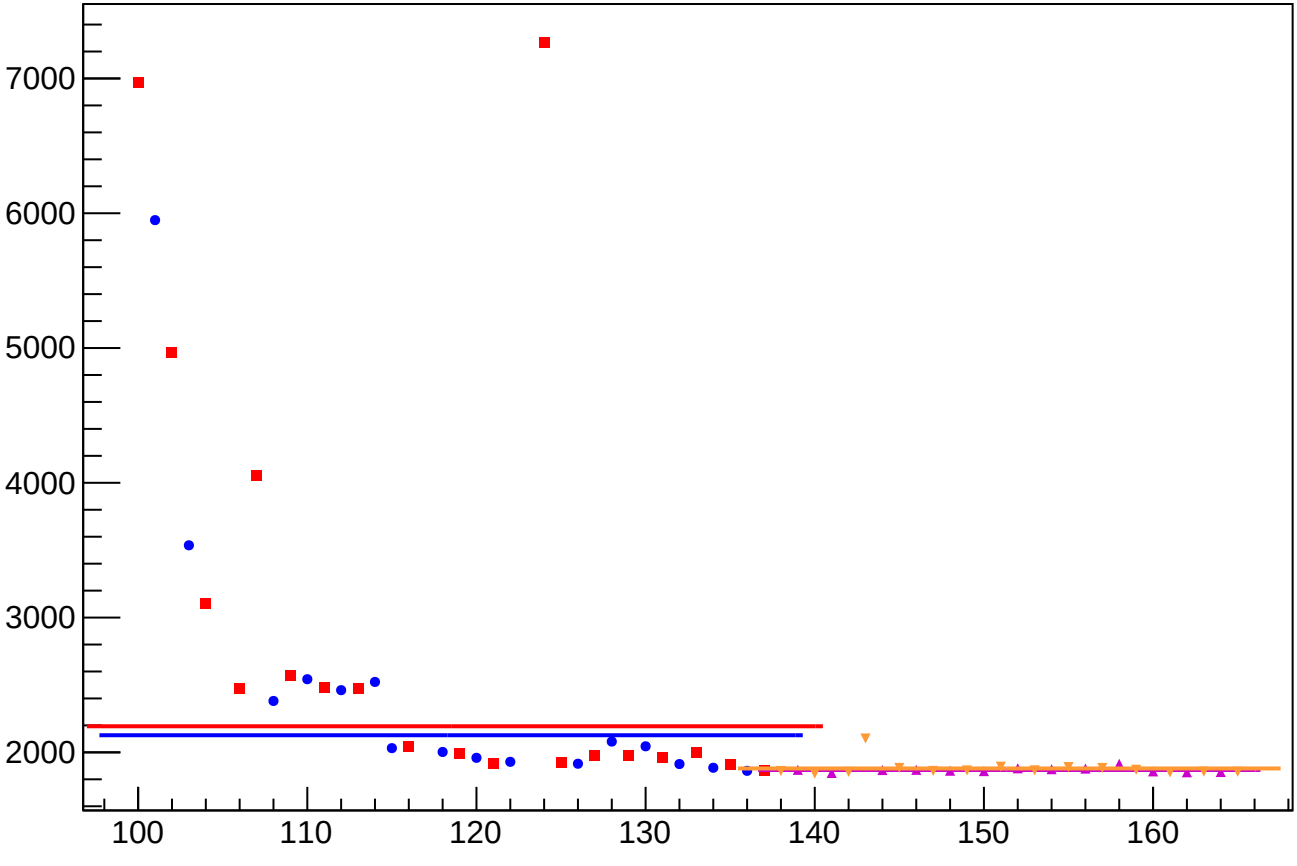
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -367.499+/-464.064 χ^2/NDF:35.2/28

Out: -627.485+/-457.012 χ^2/NDF:33.0/33

All: -499.482+/-325.621 χ^2/NDF: 68.3/62

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1880.577+/-0.387 χ^2/NDF:20751.2/14

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1869.369+/-0.399 χ^2/NDF:1728.2/12

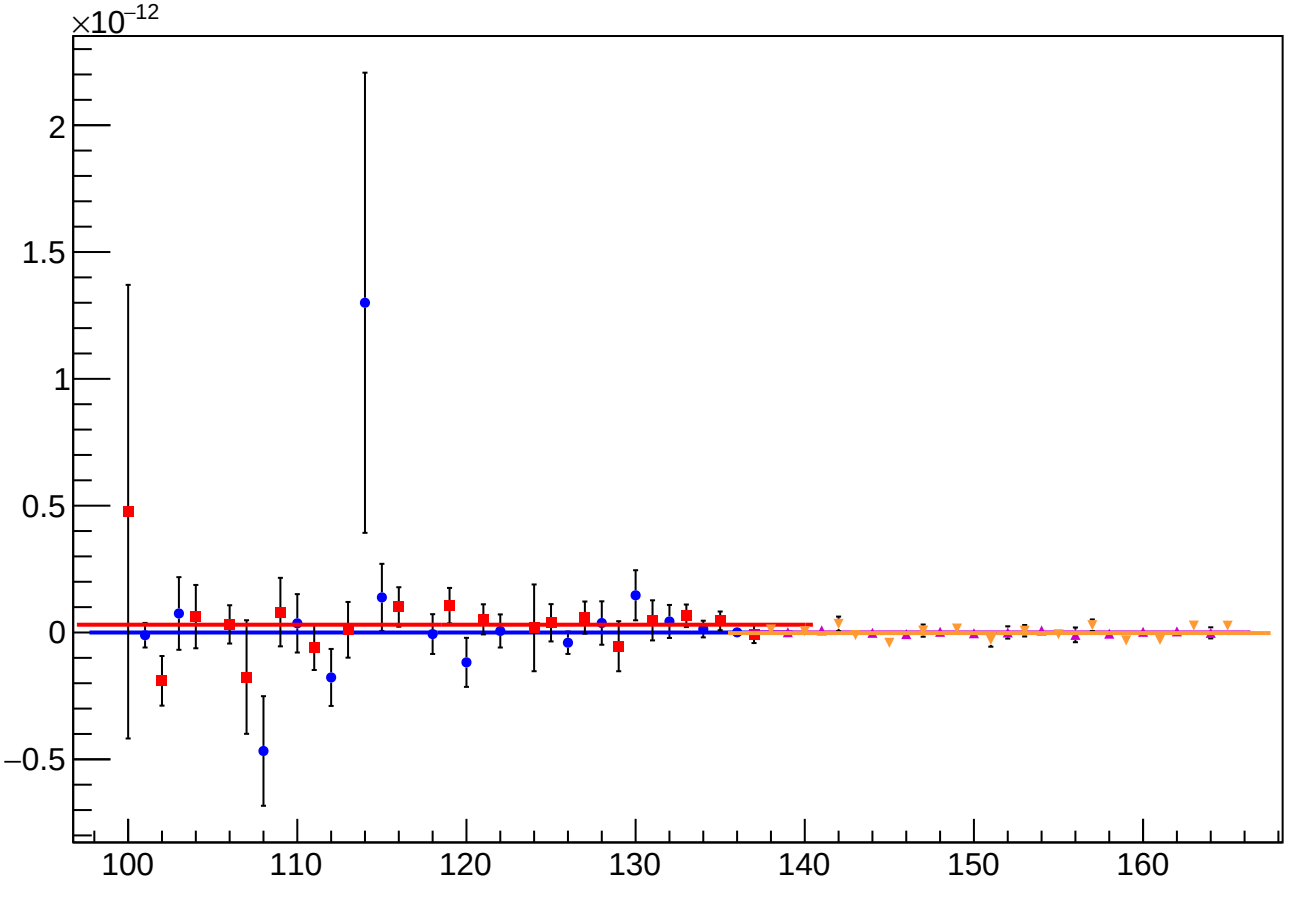
Left: 1875.148+/-0.278 χ^2/NDF: 22886.1/27

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1952.836+/-0.328 χ^2/NDF:1011842.6/28

Out: 1975.101+/-0.323 χ^2/NDF:1161067.4/33

All: 1964.139+/-0.230 χ^2/NDF: 2175247.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/12

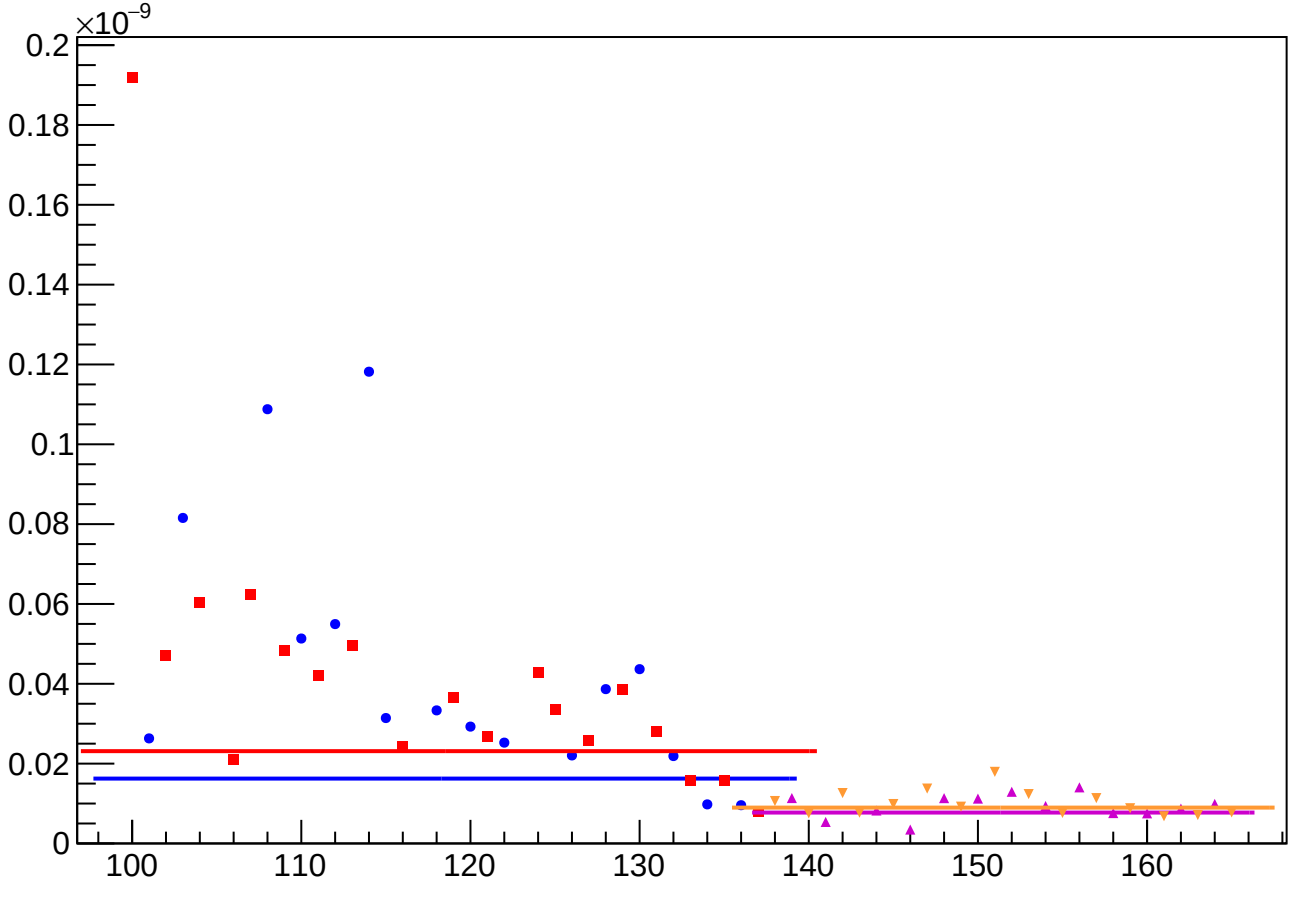
Left: -0.000+/-0.000 χ^2/NDF: 29.3/27

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.6/28

Out: 0.000+/-0.000 χ^2/NDF:44.1/33

All: 0.000+/-0.000 χ^2/NDF: 61.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:579177.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:902346.9/12

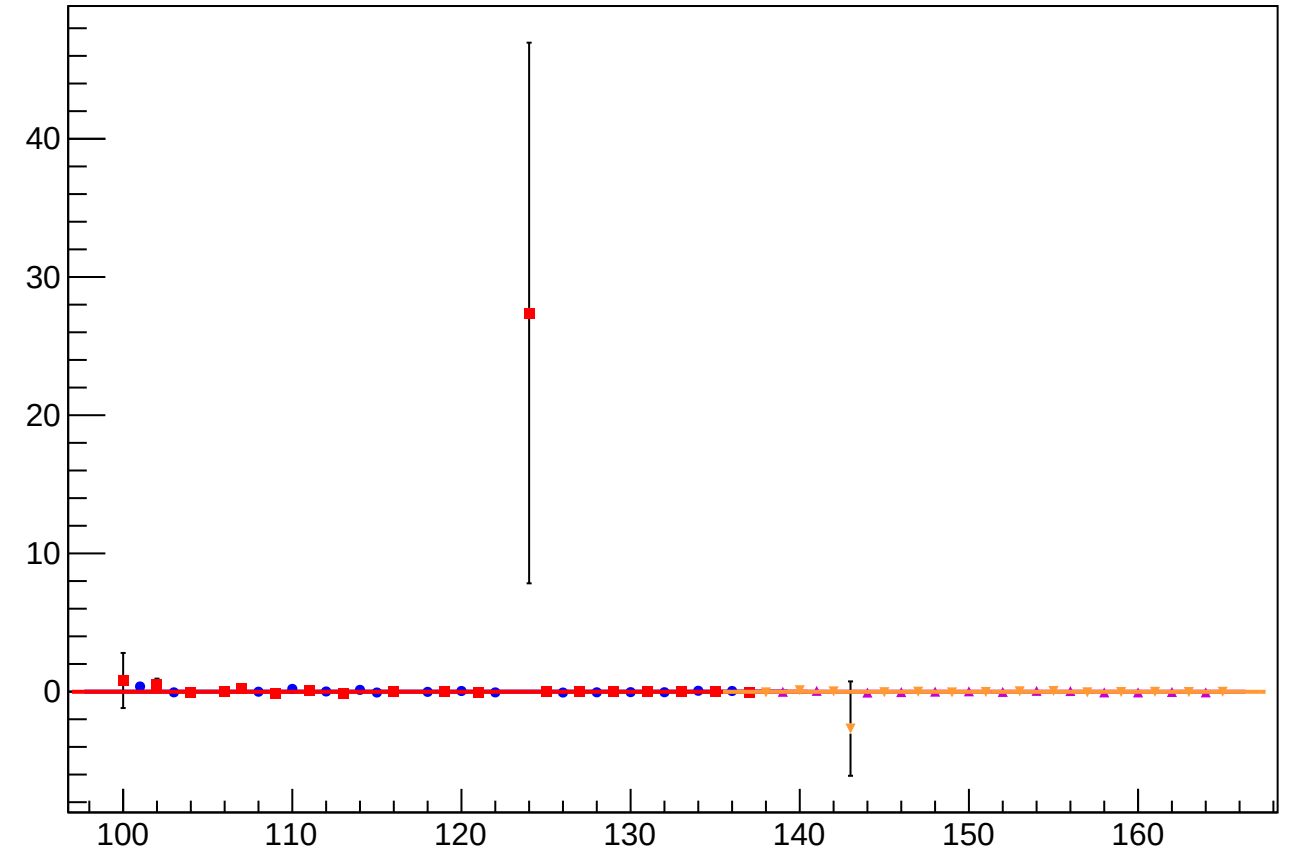
Left: 0.000+/-0.000 χ^2/NDF: 1560792.2/27

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4100030.6/28

Out: 0.000+/-0.000 χ^2/NDF:3487771.2/33

All: 0.000+/-0.000 χ^2/NDF: 7686359.9/62



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

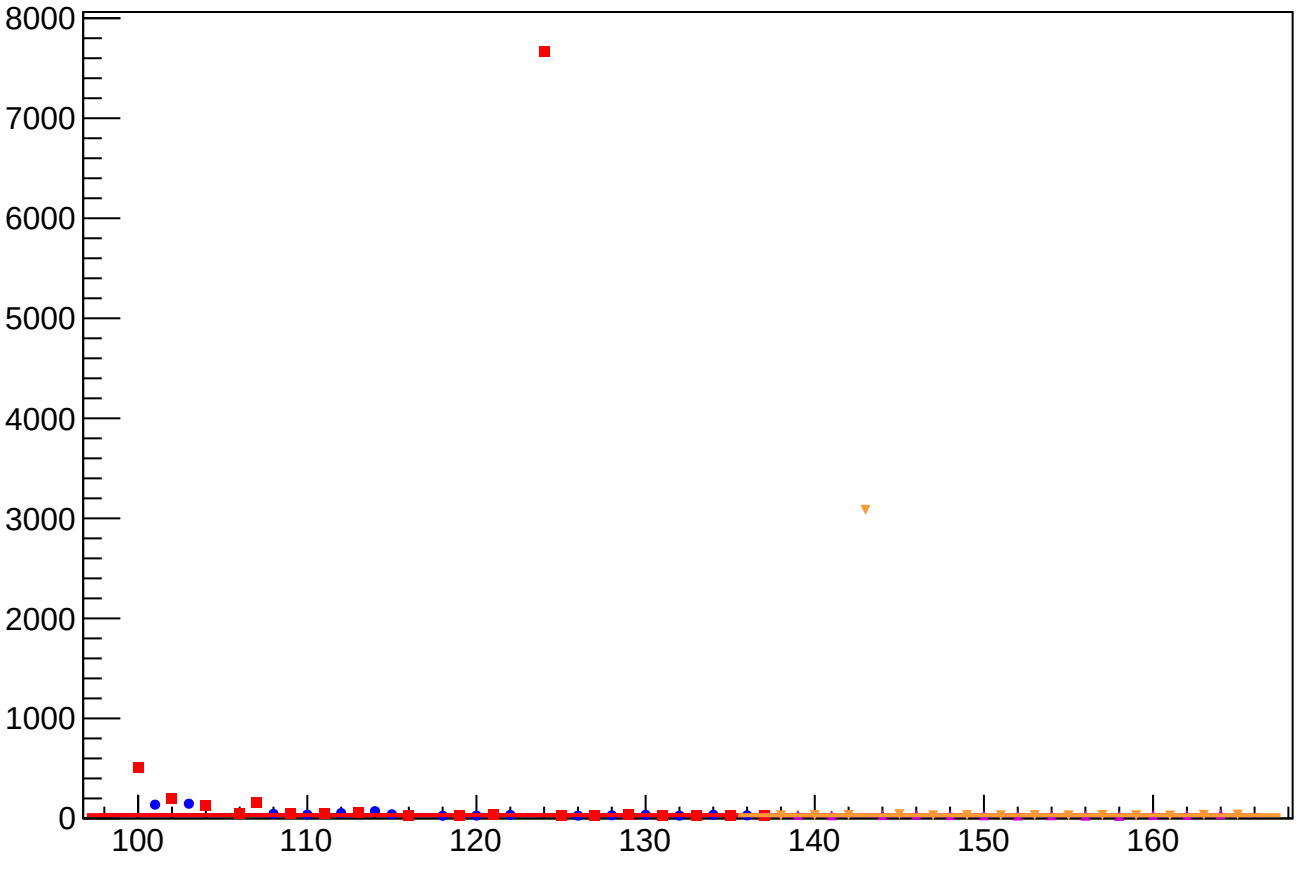
Left: -0.009+/-0.008 χ^2/NDF: 32.8/27

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.008+/-0.006 χ^2/NDF: 68.6/62



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.555+/-0.008 χ^2/NDF:1750046.1/14

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

Left: 32.597+/-0.005 χ^2/NDF: 2000636.7/27

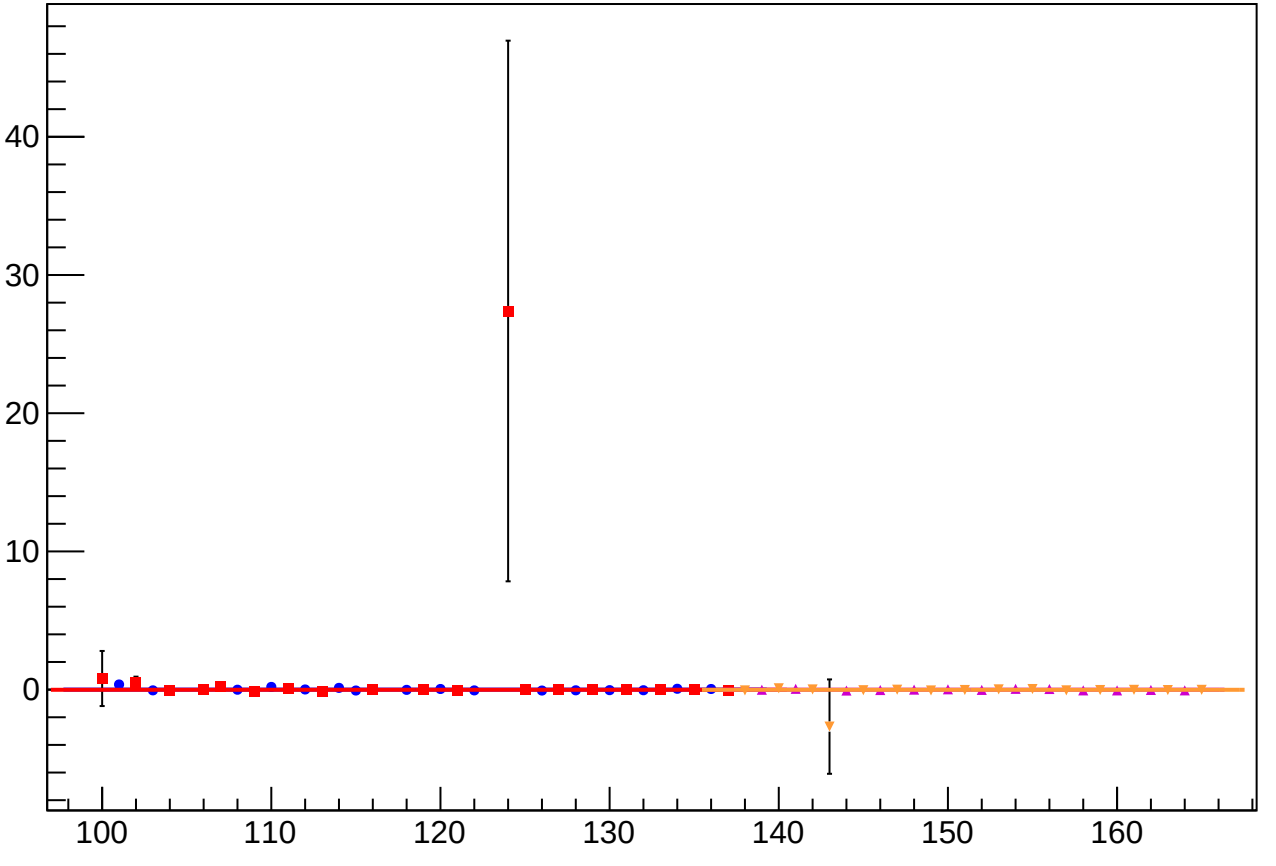
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.132+/-0.006 χ^2/NDF:1979796.9/28

Out: 32.734+/-0.006 χ^2/NDF:3826842.0/33

All: 32.932+/-0.004 χ^2/NDF: 5808744.9/62

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

Left: -0.009+/-0.008 χ^2/NDF: 32.8/27

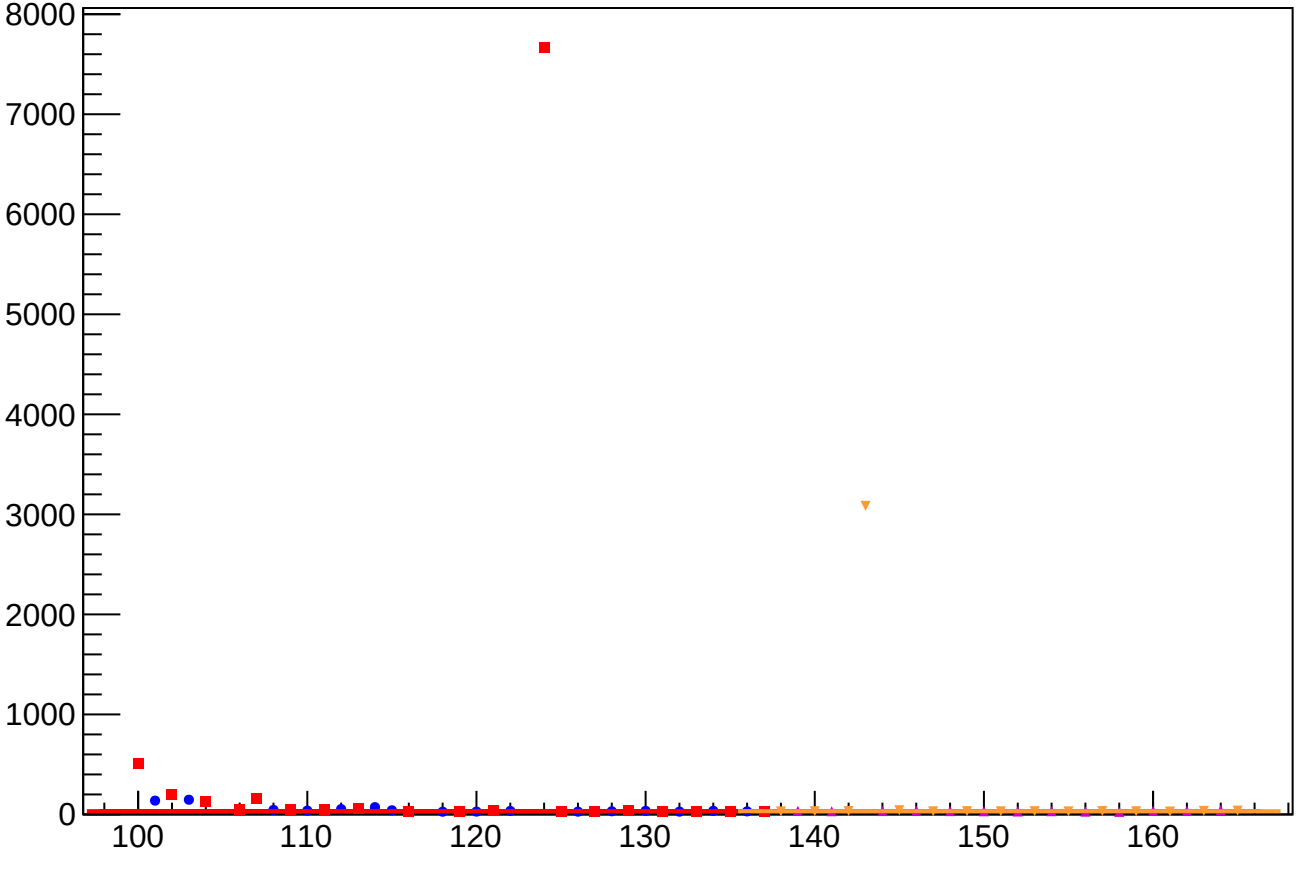
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.008+/-0.006 χ^2/NDF: 68.6/62

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: 32.555+/-0.008 χ^2/NDF:1750046.1/14

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

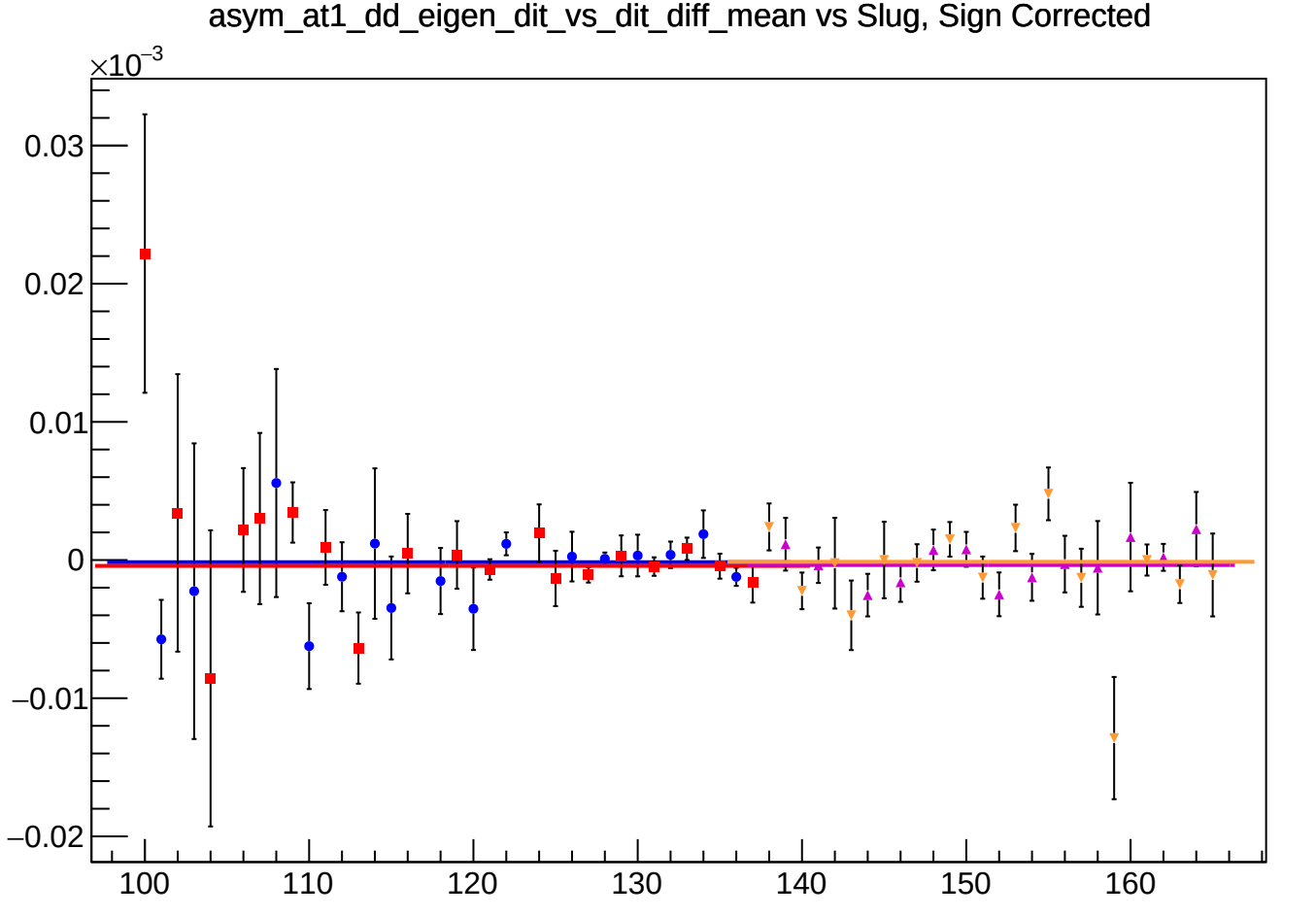
Left: 32.597+/-0.005 χ^2/NDF: 2000636.7/27

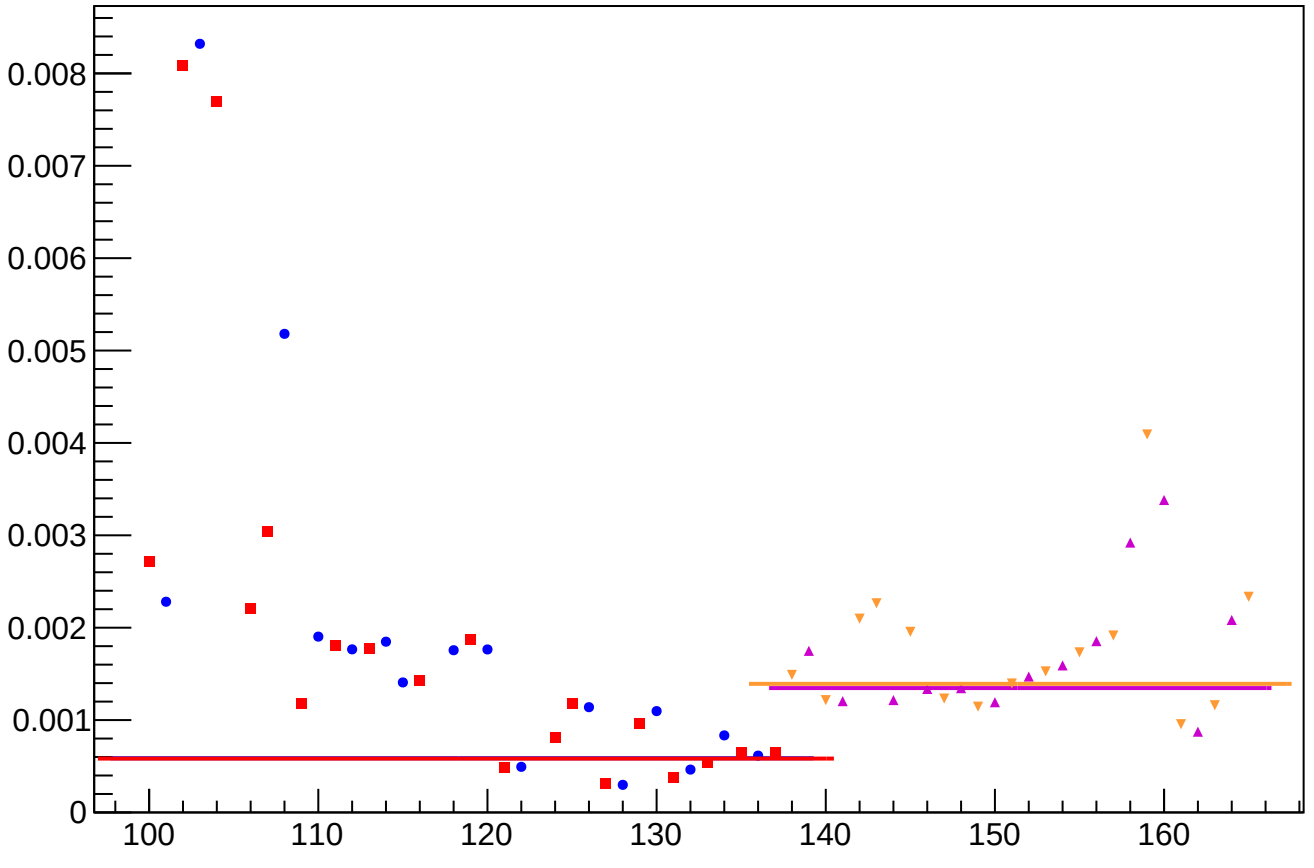
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.132+/-0.006 χ^2/NDF:1979796.9/28

Out: 32.734+/-0.006 χ^2/NDF:3826842.0/33

All: 32.932+/-0.004 χ^2/NDF: 5808744.9/62


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.000 χ²/NDF:28.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:8.4/12
Left: -0.000+/-0.000 χ²/NDF: 36.8/27
Right: -0.000+/-0.000 χ²/NDF: 40.2/34
In: -0.000+/-0.000 χ²/NDF:26.7/28
Out: -0.000+/-0.000 χ²/NDF:50.2/33
All: -0.000+/-0.000 χ²/NDF: 77.0/62



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:2064223.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1924792.7/12

Left: 0.001+/-0.000 χ^2/NDF: 4000005.5/27

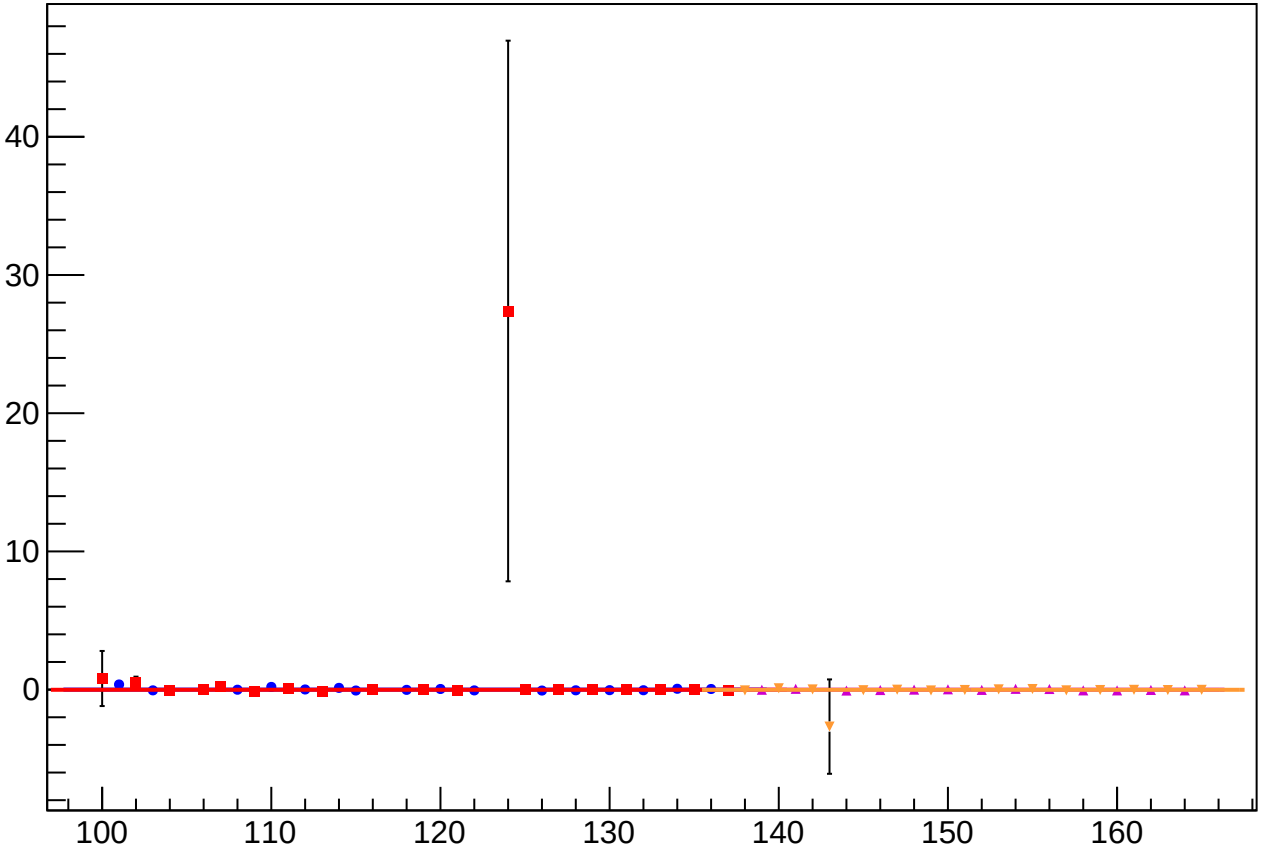
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11564854.3/28

Out: 0.001+/-0.000 χ^2/NDF:12315315.7/33

All: 0.001+/-0.000 χ^2/NDF: 23880271.9/62

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

Left: -0.009+/-0.008 χ^2/NDF: 32.8/27

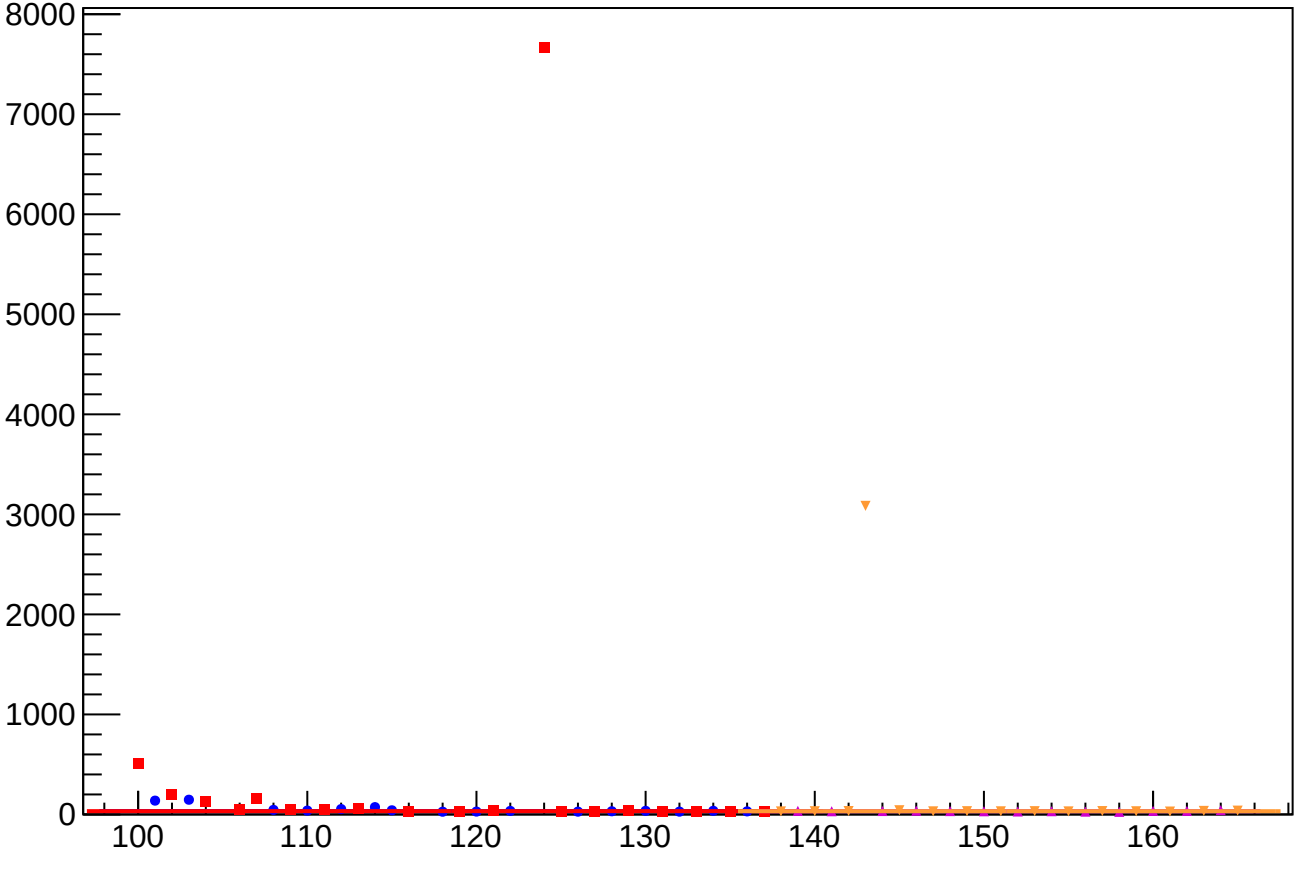
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.008+/-0.006 χ^2/NDF: 68.6/62

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: 32.555+/-0.008 χ^2/NDF:1750040.7/14

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

Left: 32.598+/-0.005 χ^2/NDF: 2000551.4/27

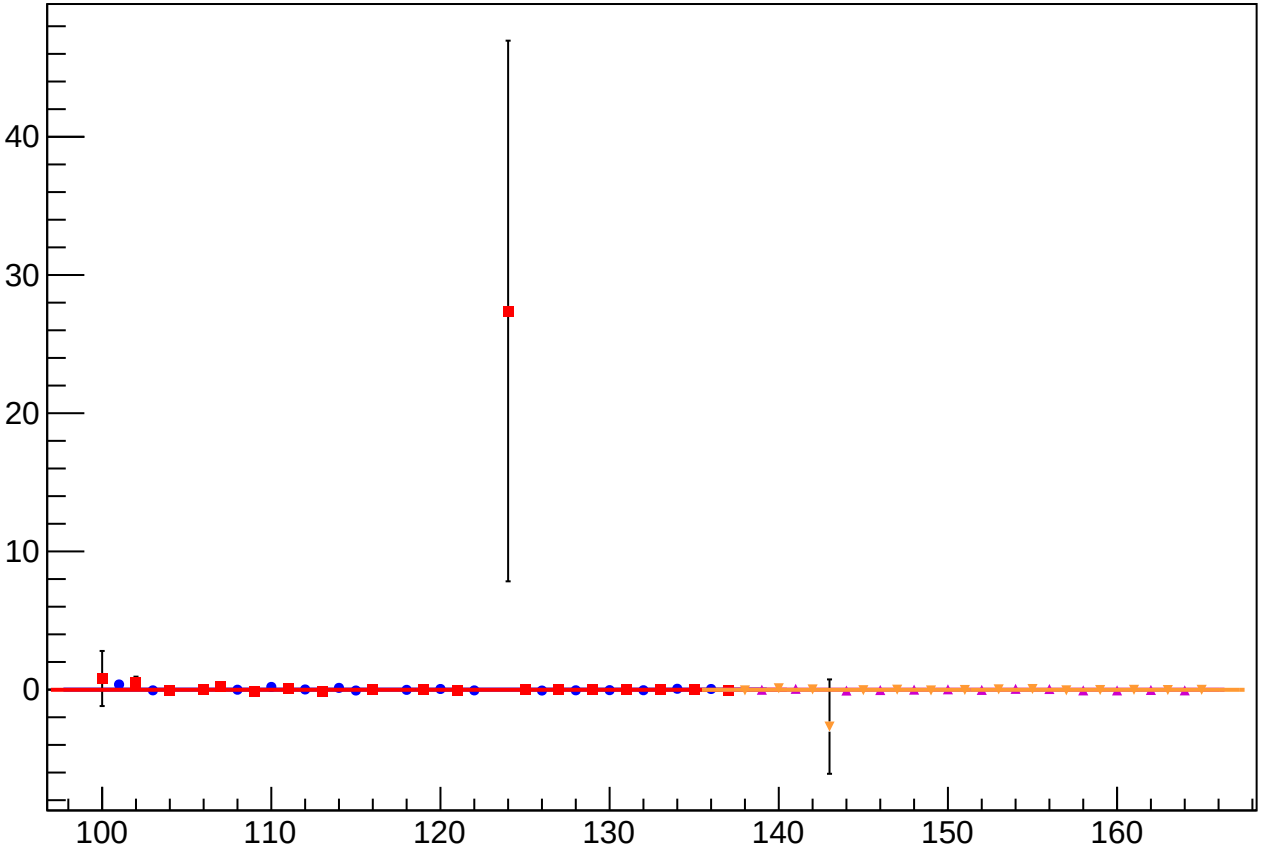
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.132+/-0.006 χ^2/NDF:1979699.4/28

Out: 32.734+/-0.006 χ^2/NDF:3826817.0/33

All: 32.932+/-0.004 χ^2/NDF: 5808624.9/62

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: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

Left: -0.009+/-0.008 χ^2/NDF: 32.8/27

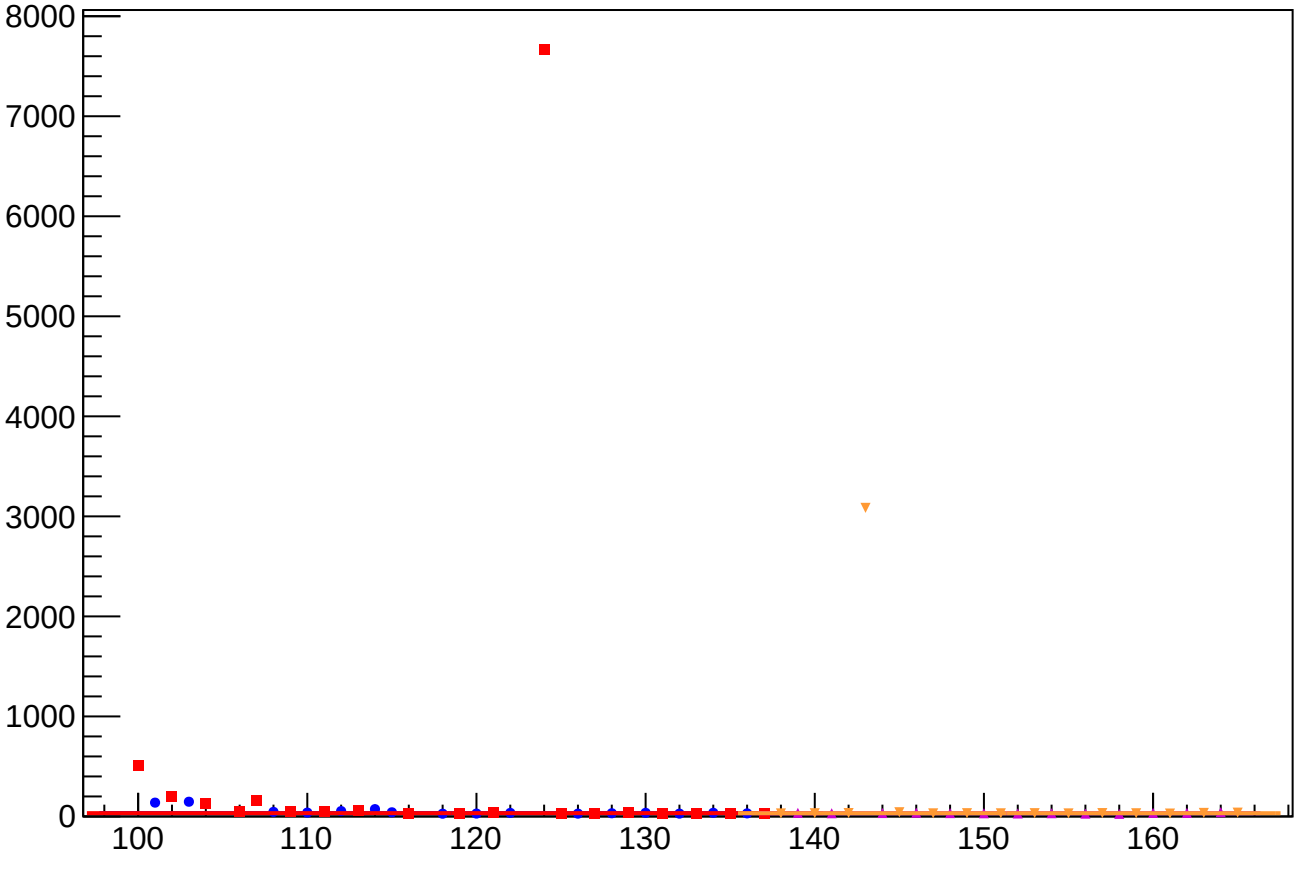
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.008+/-0.006 χ^2/NDF: 68.6/62

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: 32.555+/-0.008 χ^2/NDF:1750040.7/14

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

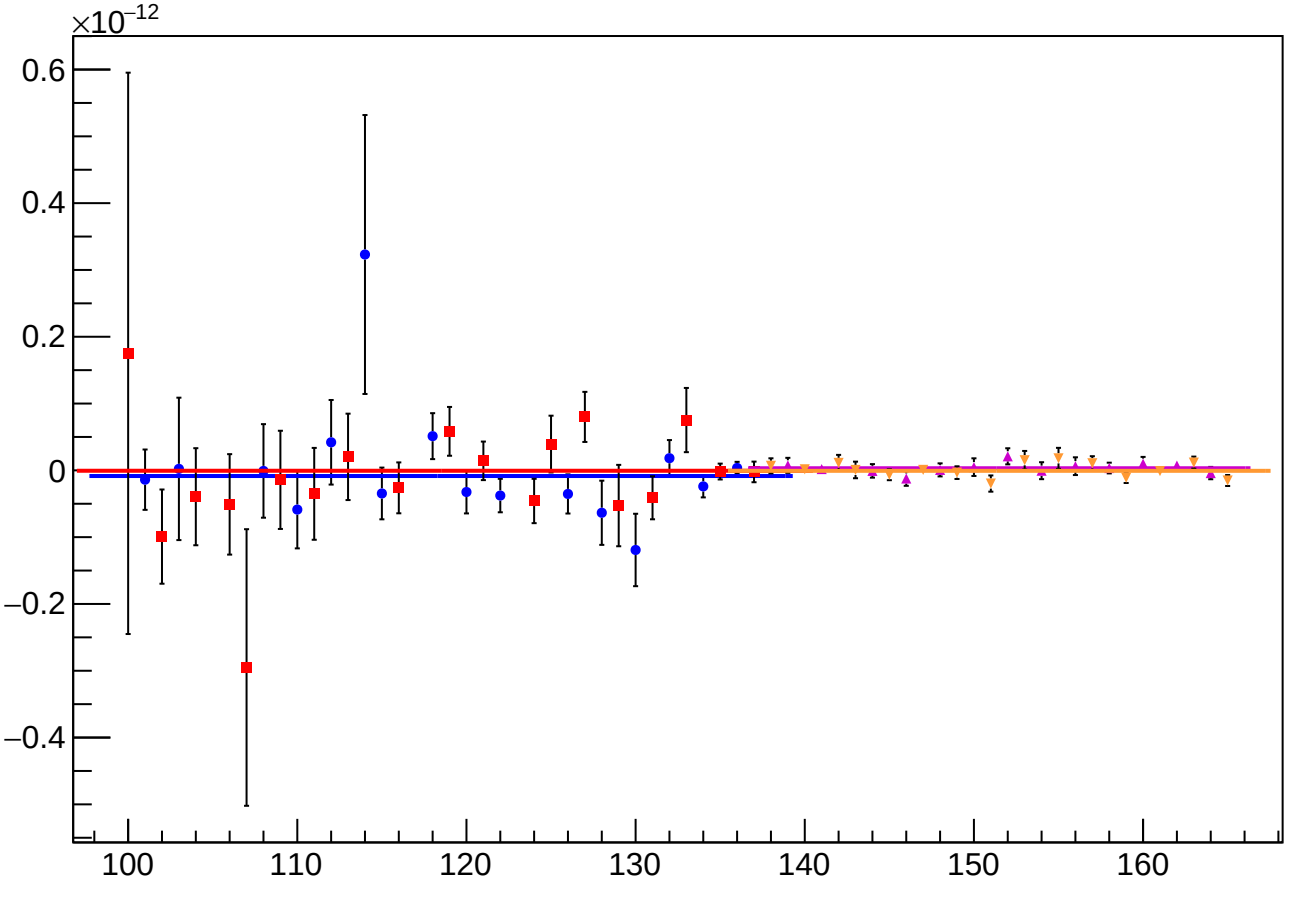
Left: 32.598+/-0.005 χ^2/NDF: 2000551.4/27

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.132+/-0.006 χ^2/NDF:1979699.4/28

Out: 32.734+/-0.006 χ^2/NDF:3826817.0/33

All: 32.932+/-0.004 χ^2/NDF: 5808624.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/12

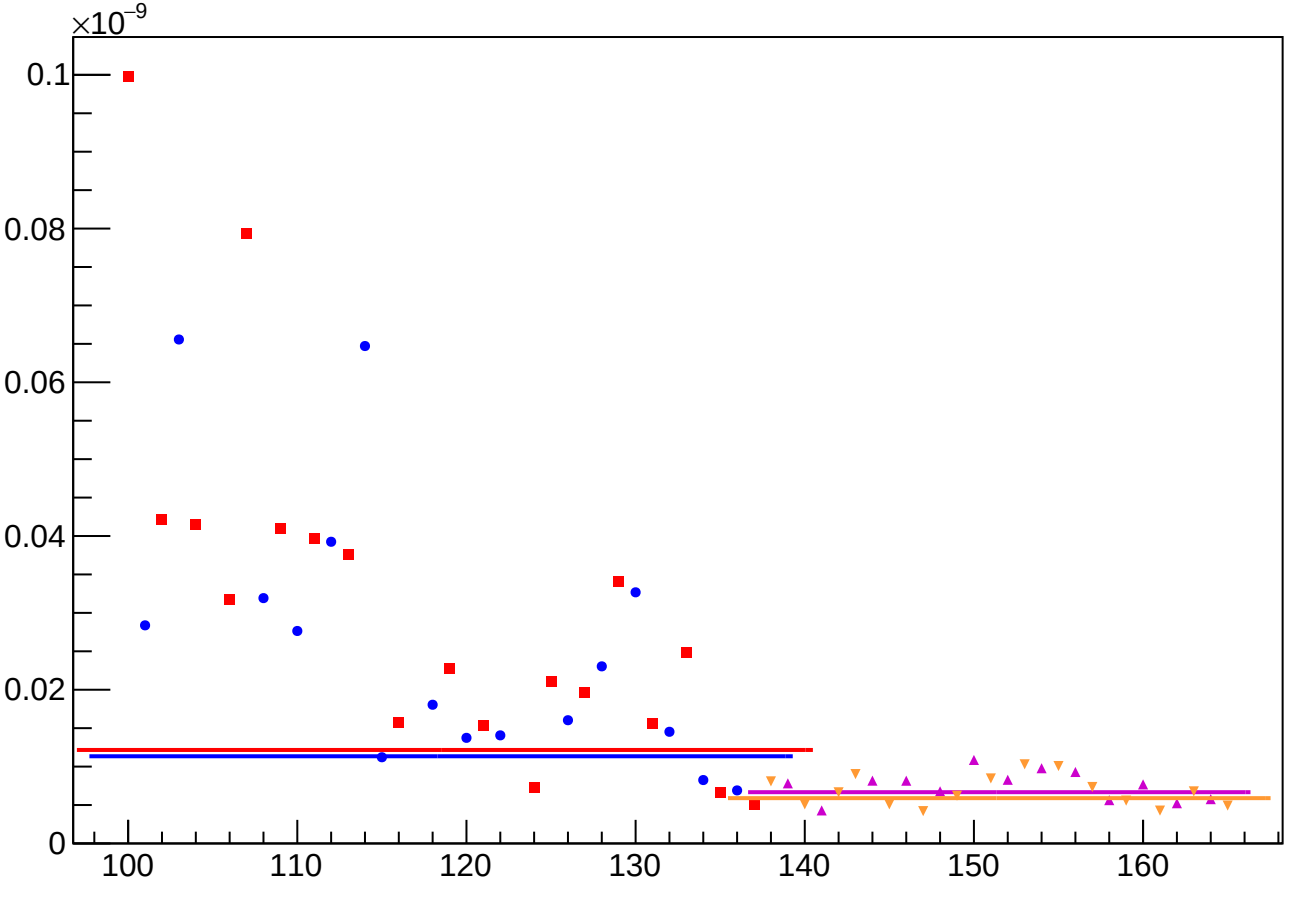
Left: 0.000+/-0.000 χ^2/NDF: 22.5/27

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/28

Out: -0.000+/-0.000 χ^2/NDF:36.0/33

All: 0.000+/-0.000 χ^2/NDF: 64.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1033732.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:987442.3/12

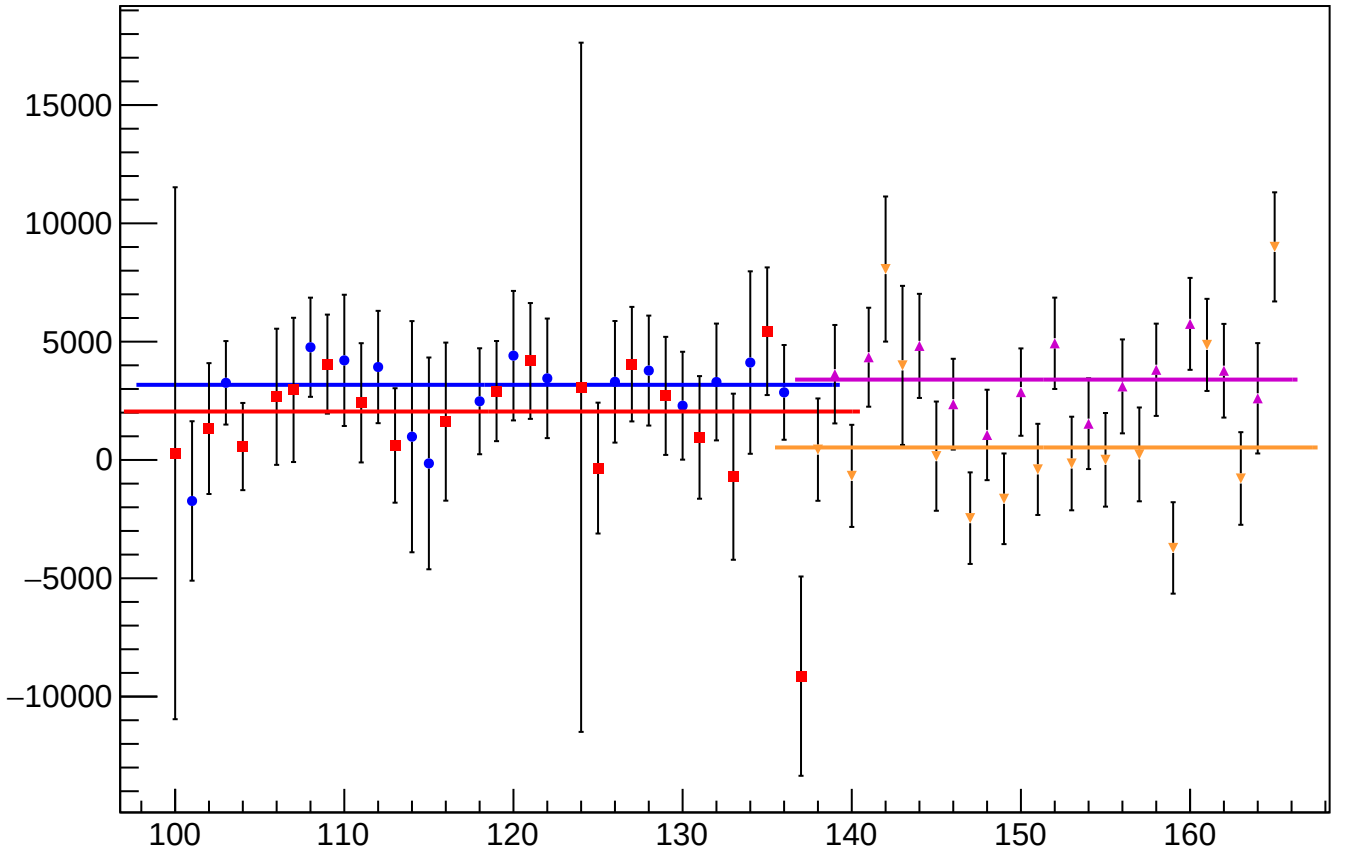
Left: 0.000+/-0.000 χ^2/NDF: 2118677.9/27

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4712059.6/28

Out: 0.000+/-0.000 χ^2/NDF:6147006.7/33

All: 0.000+/-0.000 χ^2/NDF: 11000204.2/62



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.444+/-545.039 χ^2/NDF:35.3/14

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3396.568+/-553.321 χ^2/NDF:5.8/12

Left: 1940.879+/-388.296 χ^2/NDF: 54.7/27

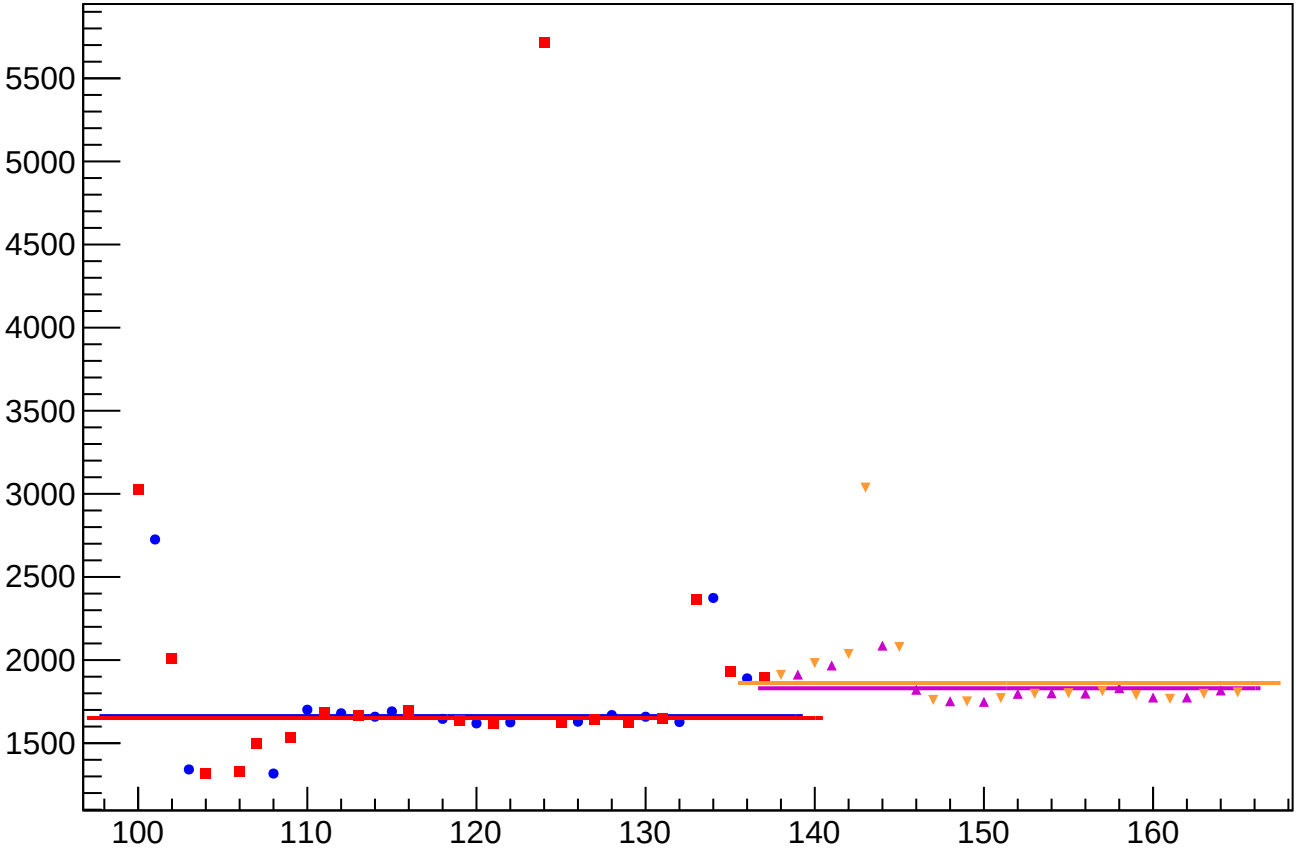
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3299.995+/-415.160 χ^2/NDF:10.2/28

Out: 1188.791+/-409.782 χ^2/NDF:52.7/33

All: 2230.630+/-291.642 χ^2/NDF: 76.0/62

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

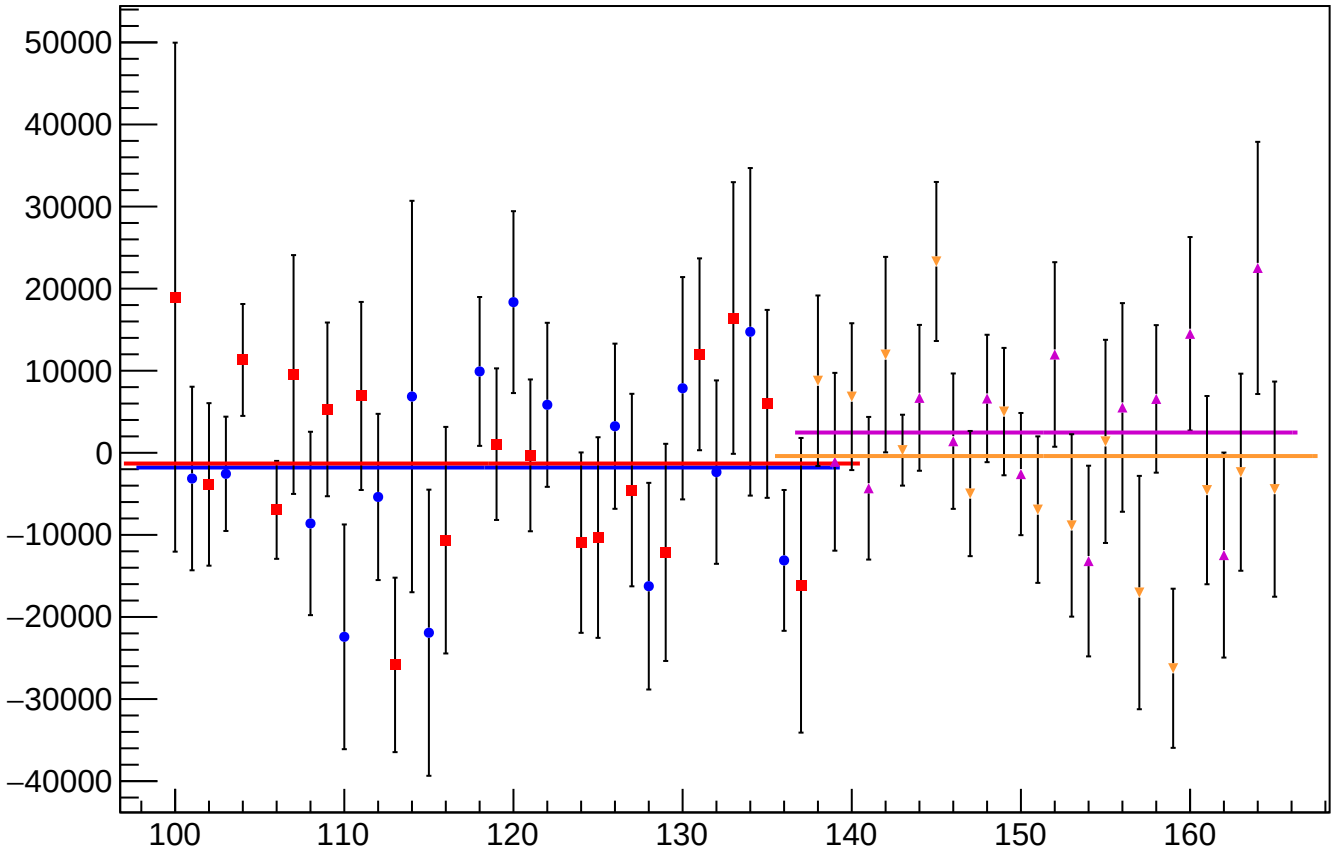
Left: 1846.497+/-0.275 χ^2/NDF: 363144.8/27

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1757.208+/-0.294 χ^2/NDF:546861.5/28

Out: 1770.464+/-0.290 χ^2/NDF:870697.8/33

All: 1763.922+/-0.206 χ^2/NDF: 1418591.9/62



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -395.106+/-2293.909 χ^2/NDF:19.2/14

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2470.187+/-2716.279 χ^2/NDF:8.7/12

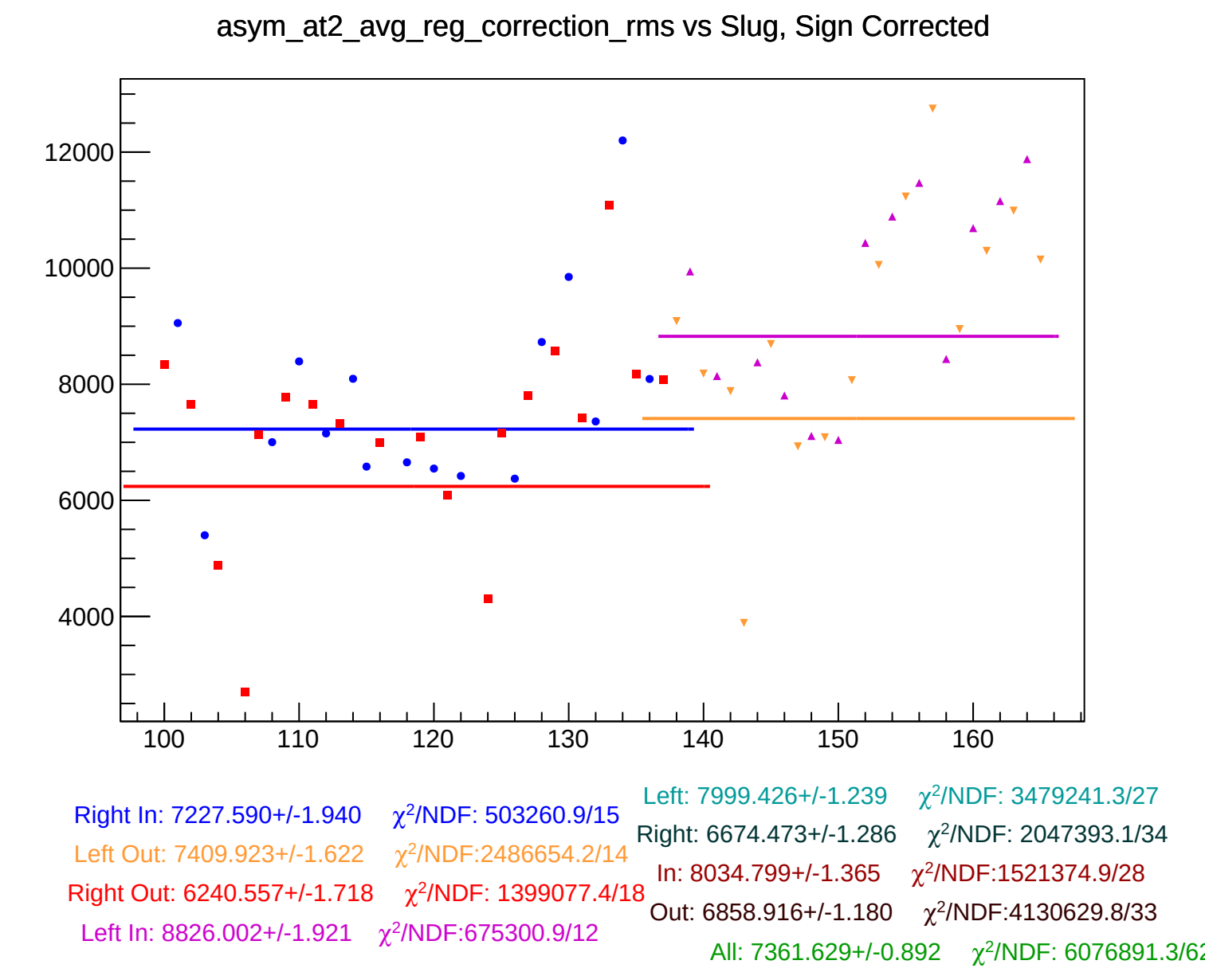
Left: 797.694+/-1752.563 χ^2/NDF: 28.6/27

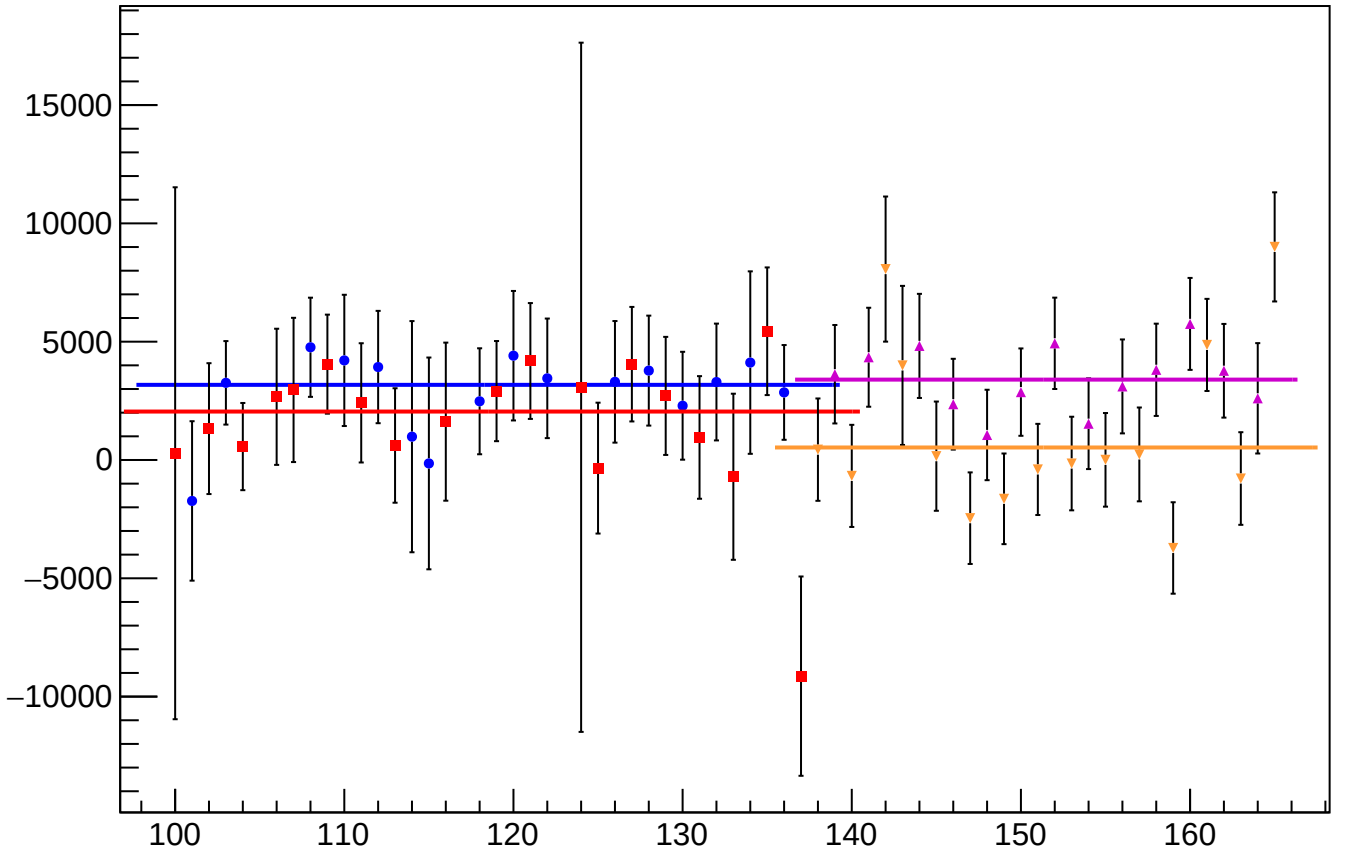
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: 360.914+/-1930.292 χ^2/NDF:24.2/28

Out: -824.468+/-1668.096 χ^2/NDF:37.0/33

All: -317.693+/-1262.122 χ^2/NDF: 61.5/62


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7409.923+/-1.622 χ²/NDF:2486654.2/14
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8826.002+/-1.921 χ²/NDF:675300.9/12
Left: 7999.426+/-1.239 χ²/NDF: 3479241.3/27
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8034.799+/-1.365 χ²/NDF:1521374.9/28
Out: 6858.916+/-1.180 χ²/NDF:4130629.8/33
All: 7361.629+/-0.892 χ²/NDF: 6076891.3/62



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.377+/-545.039 χ^2/NDF:35.3/14

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3396.641+/-553.321 χ^2/NDF:5.8/12

Left: 1940.881+/-388.296 χ^2/NDF: 54.7/27

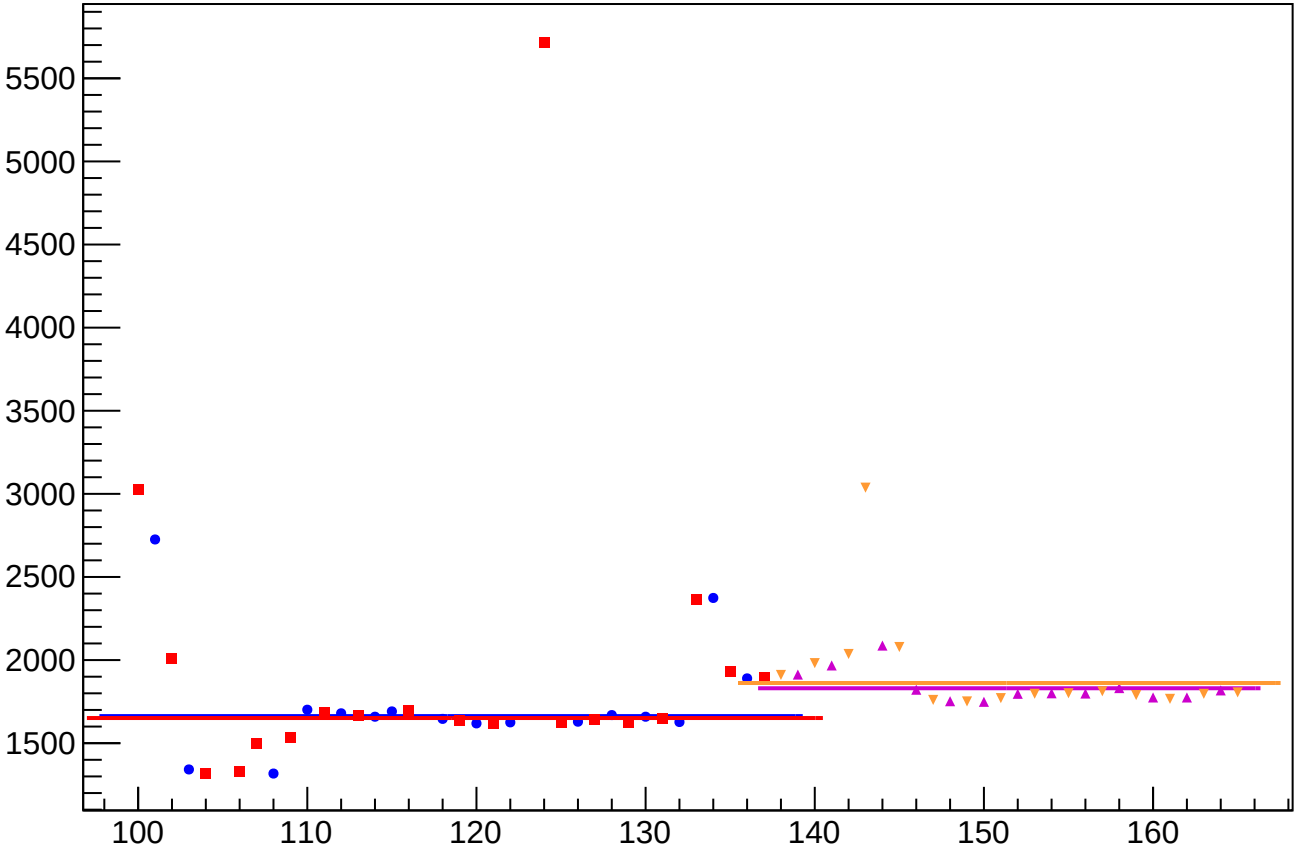
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3300.075+/-415.160 χ^2/NDF:10.1/28

Out: 1188.669+/-409.782 χ^2/NDF:52.7/33

All: 2230.608+/-291.642 χ^2/NDF: 76.0/62

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

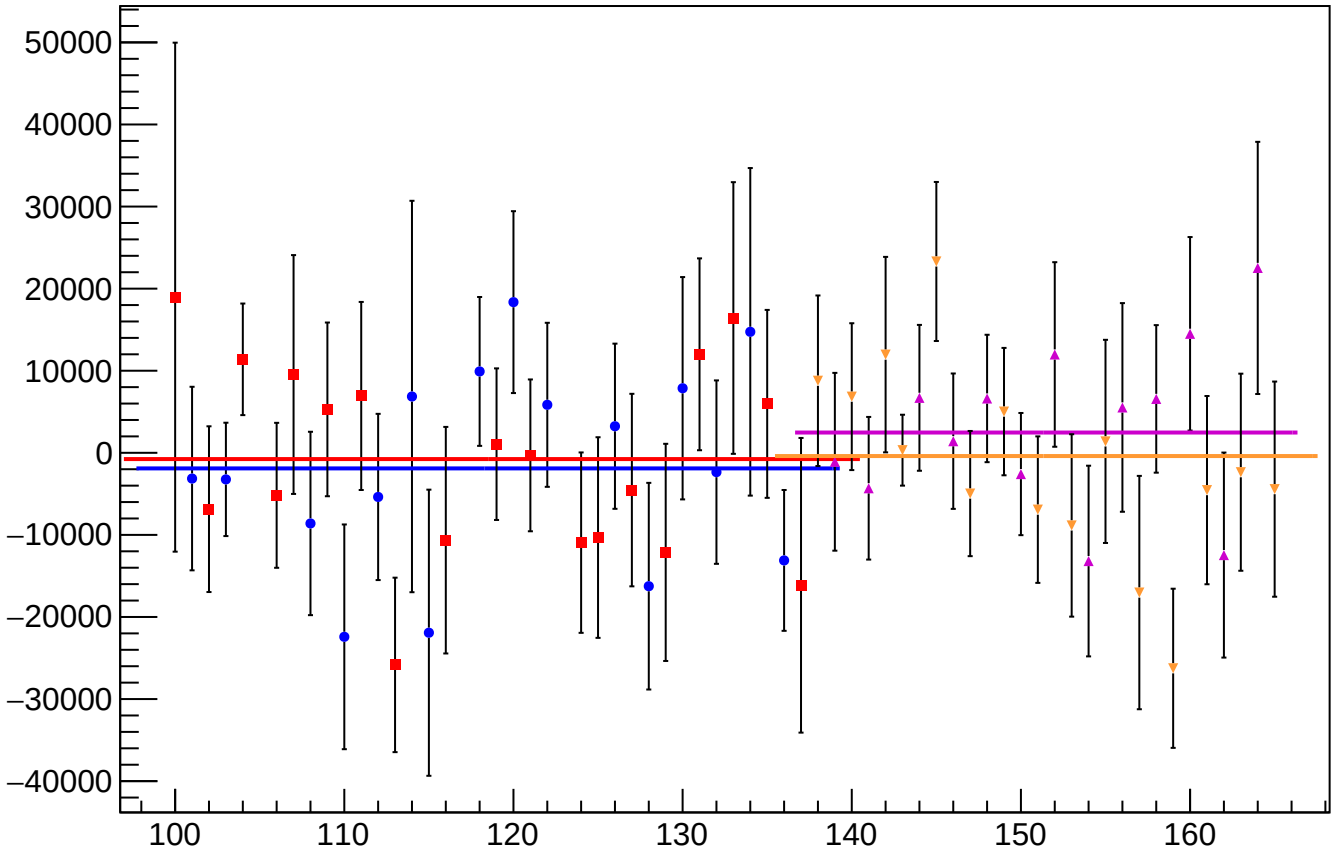
Left: 1846.497+/-0.275 χ^2/NDF: 363144.8/27

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1757.208+/-0.294 χ^2/NDF:546861.9/28

Out: 1770.464+/-0.290 χ^2/NDF:870698.1/33

All: 1763.922+/-0.206 χ^2/NDF: 1418592.7/62



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -395.183+/-2293.901 χ^2/NDF:19.2/14

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2470.324+/-2716.278 χ^2/NDF:8.7/12

Left: 797.702+/-1752.559 χ^2/NDF: 28.6/27

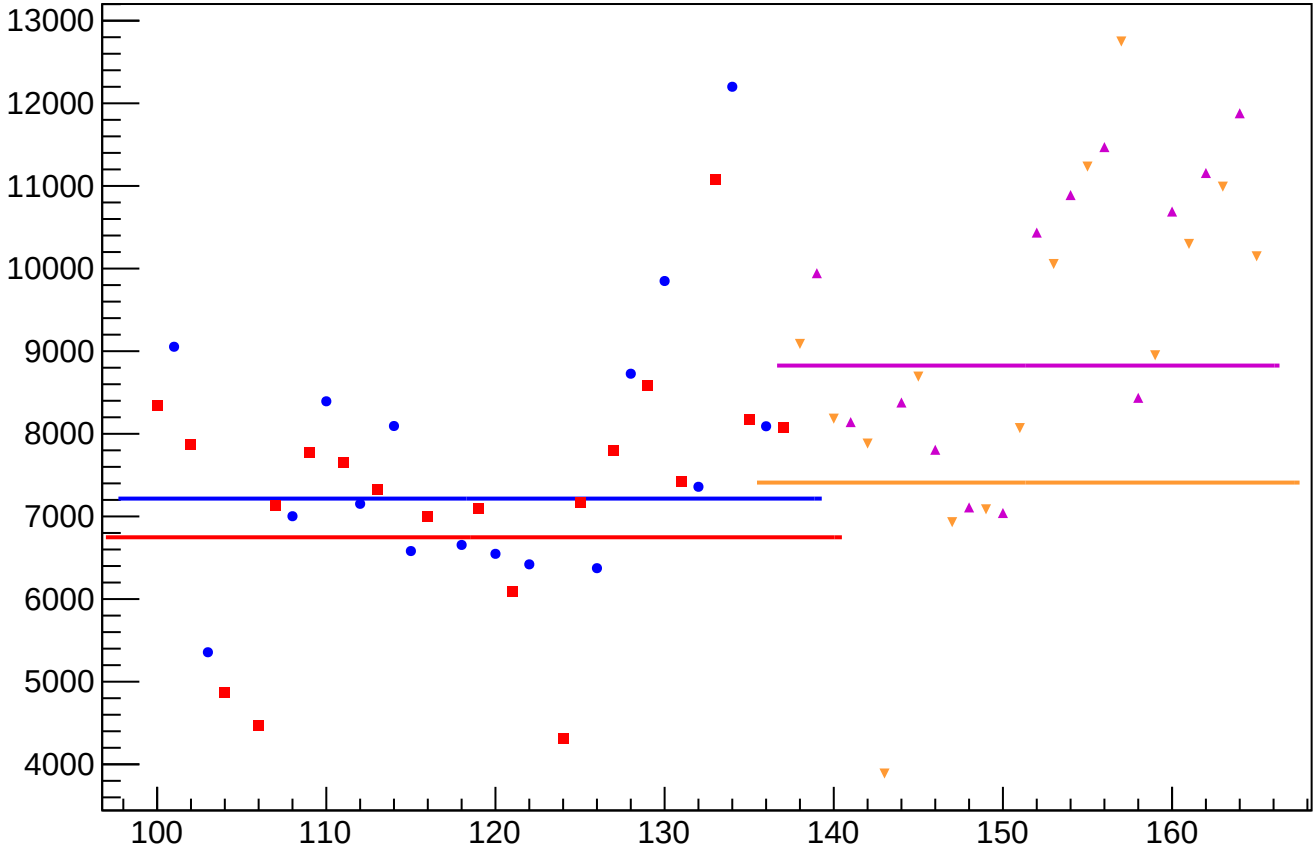
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 304.064+/-1929.015 χ^2/NDF:24.3/28

Out: -559.485+/-1705.392 χ^2/NDF:36.5/33

All: -180.644+/-1277.676 χ^2/NDF: 61.0/62

asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7409.887+/-1.622 χ^2/NDF:2486709.7/14

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

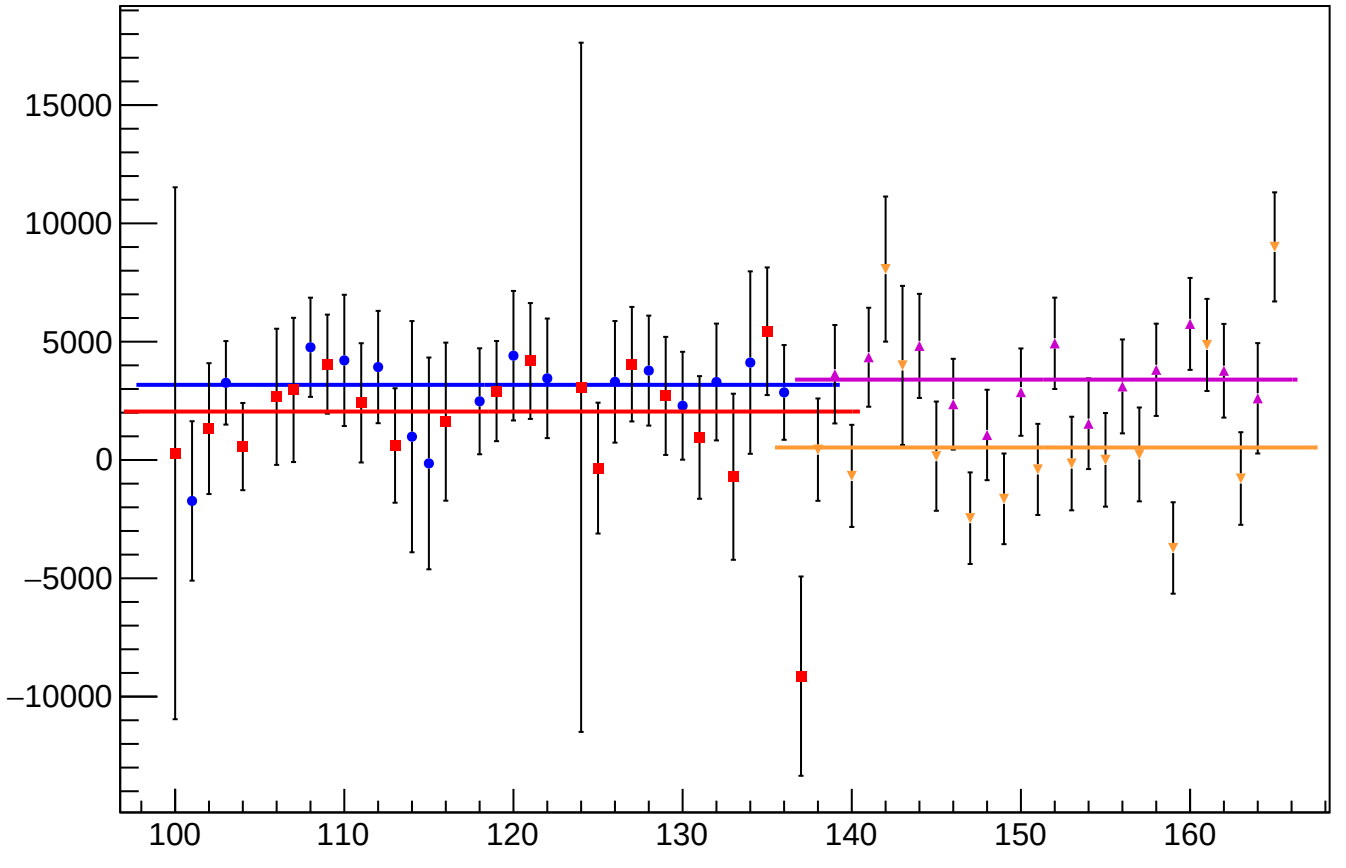
Left: 7999.401+/-1.239 χ^2/NDF: 3479316.1/27

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8027.999+/-1.364 χ^2/NDF:1535688.7/28

Out: 7113.715+/-1.206 χ^2/NDF:3270041.6/33

All: 7514.814+/-0.903 χ^2/NDF: 5057912.7/62



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.377+/-545.039 χ^2/NDF:35.3/14

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3396.641+/-553.321 χ^2/NDF:5.8/12

Left: 1940.881+/-388.296 χ^2/NDF: 54.7/27

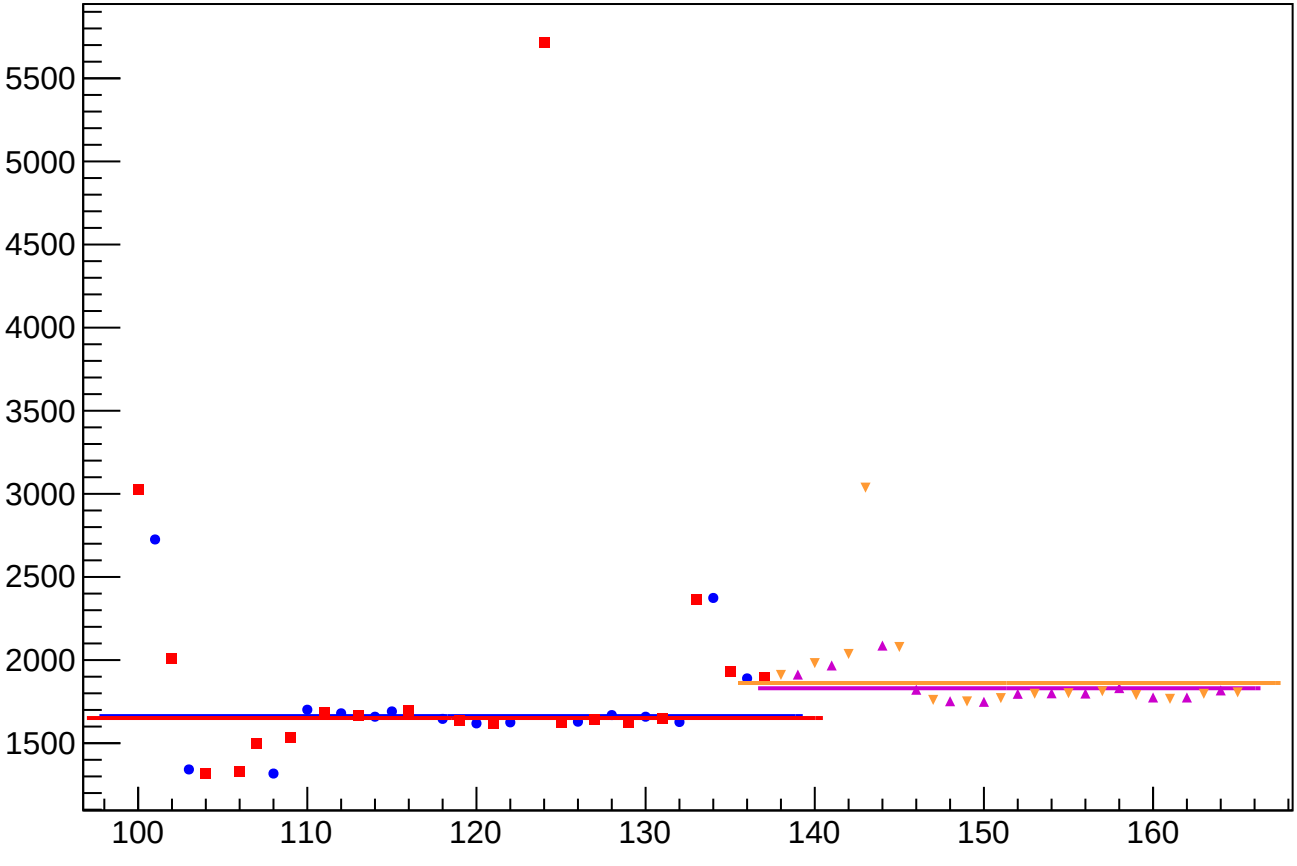
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3300.075+/-415.160 χ^2/NDF:10.1/28

Out: 1188.669+/-409.782 χ^2/NDF:52.7/33

All: 2230.608+/-291.642 χ^2/NDF: 76.0/62

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

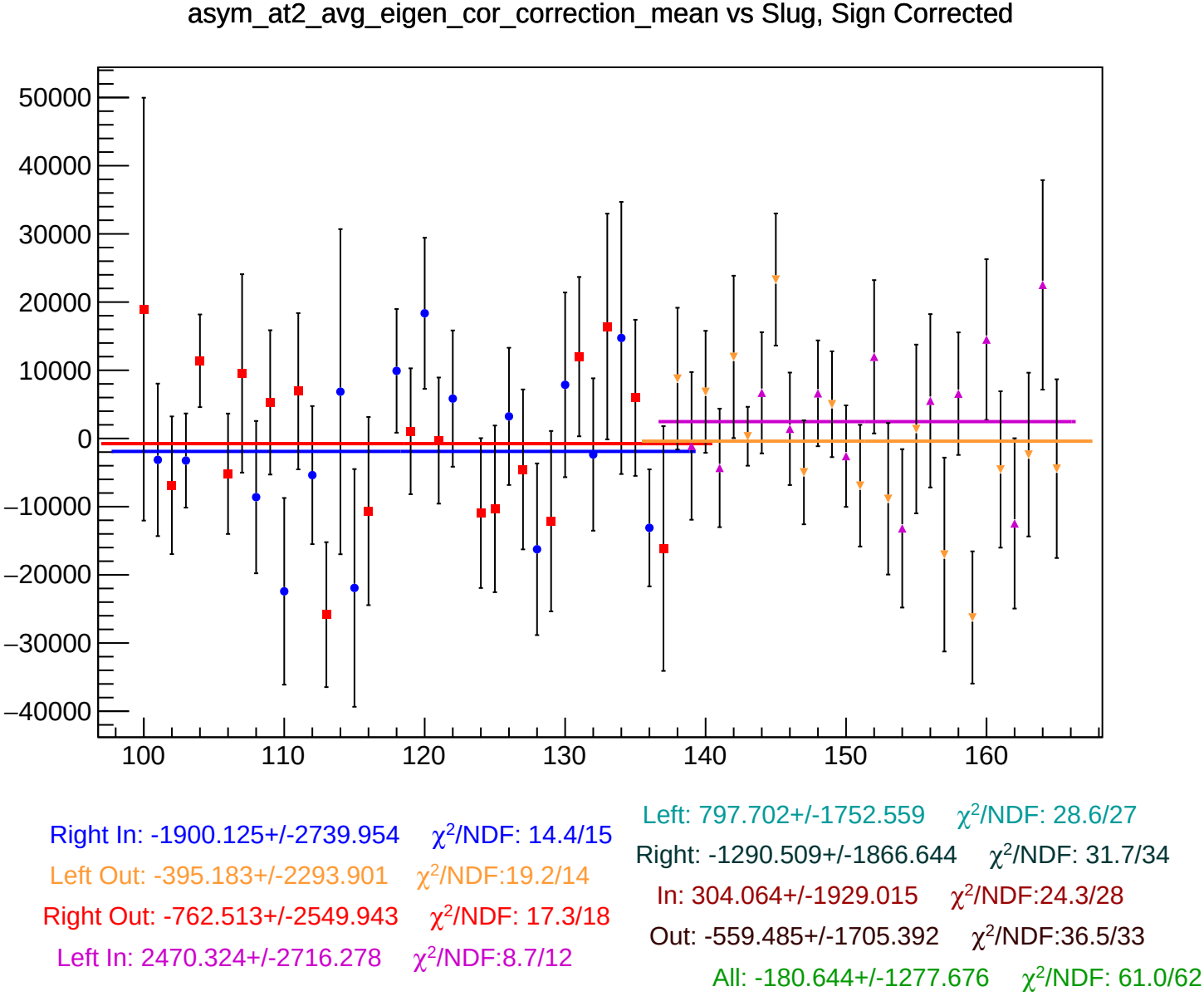
Left: 1846.497+/-0.275 χ^2/NDF: 363144.8/27

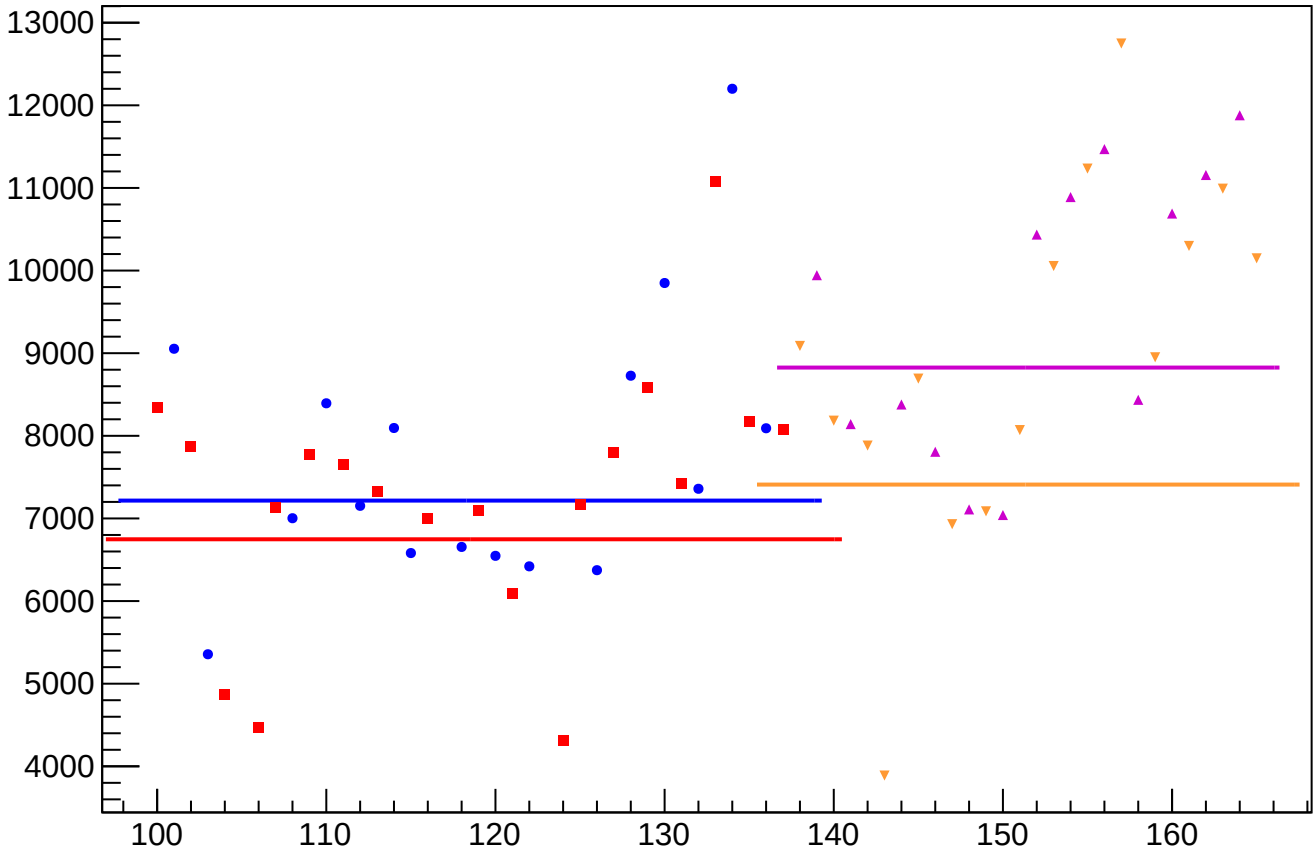
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1757.208+/-0.294 χ^2/NDF:546861.9/28

Out: 1770.464+/-0.290 χ^2/NDF:870698.1/33

All: 1763.922+/-0.206 χ^2/NDF: 1418592.7/62


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
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -395.183+/-2293.901 χ²/NDF:19.2/14
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 2470.324+/-2716.278 χ²/NDF:8.7/12
Left: 797.702+/-1752.559 χ²/NDF: 28.6/27
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: 304.064+/-1929.015 χ²/NDF:24.3/28
Out: -559.485+/-1705.392 χ²/NDF:36.5/33
All: -180.644+/-1277.676 χ²/NDF: 61.0/62



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7409.887+/-1.622 χ^2/NDF:2486709.7/14

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

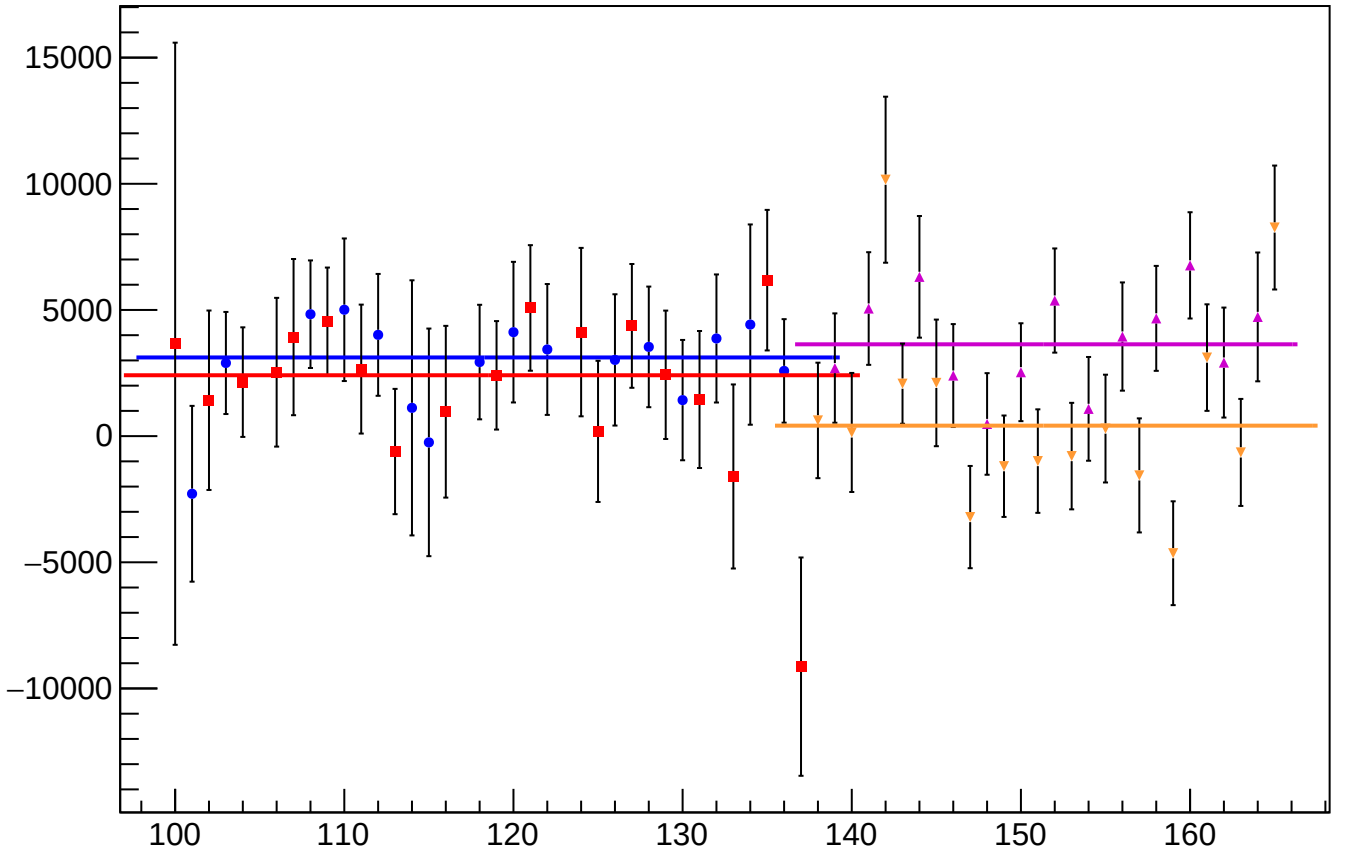
Left: 7999.401+/-1.239 χ^2/NDF: 3479316.1/27

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8027.999+/-1.364 χ^2/NDF:1535688.7/28

Out: 7113.715+/-1.206 χ^2/NDF:3270041.6/33

All: 7514.814+/-0.903 χ^2/NDF: 5057912.7/62



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 415.073+/-555.929 χ^2/NDF:33.9/14

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3638.676+/-592.531 χ^2/NDF:10.0/12

Left: 1924.242+/-405.424 χ^2/NDF: 59.6/27

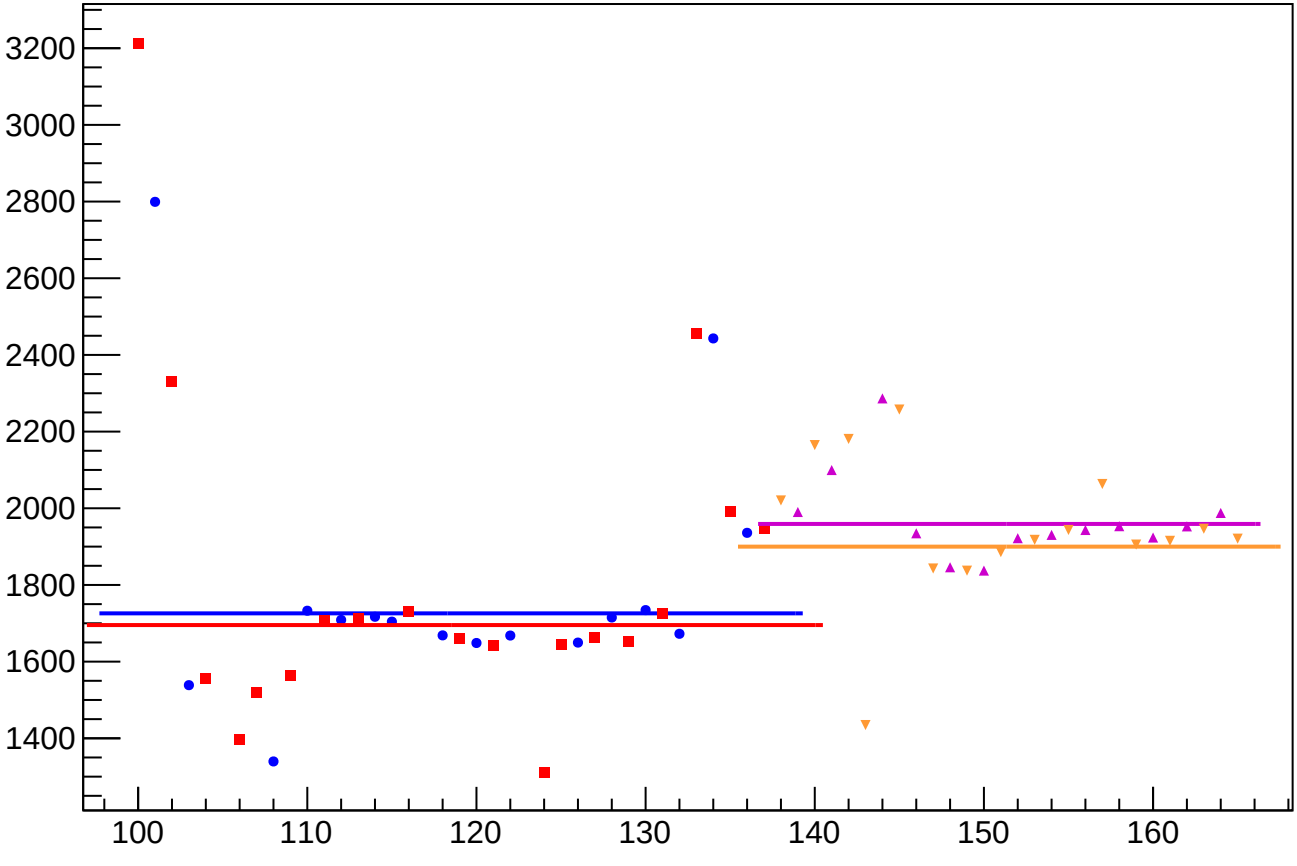
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3402.757+/-438.235 χ^2/NDF:15.7/28

Out: 1275.555+/-419.422 χ^2/NDF:55.4/33

All: 2292.520+/-303.009 χ^2/NDF: 83.4/62

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1899.938+/-0.393 χ^2/NDF:273998.6/14

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1959.140+/-0.419 χ^2/NDF:61719.1/12

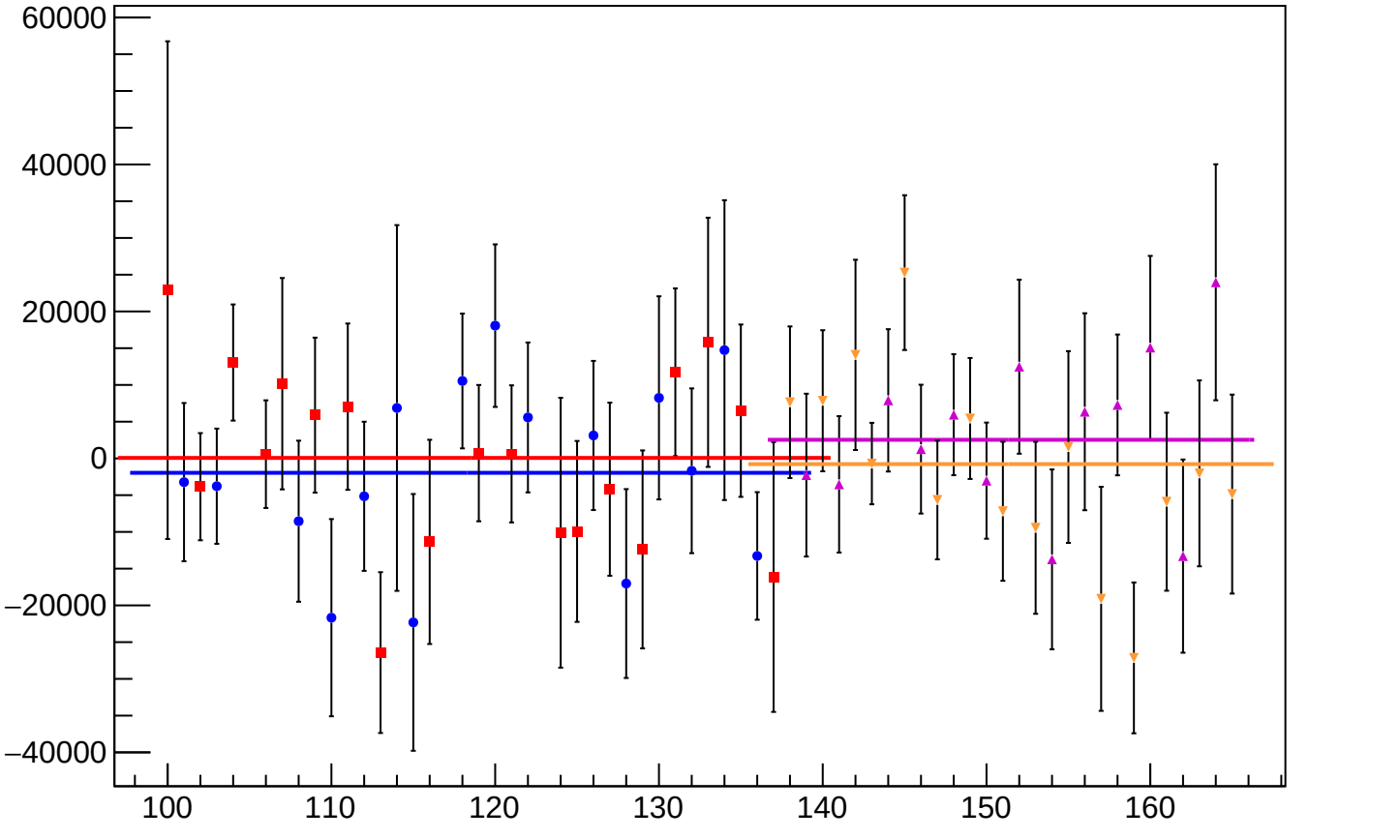
Left: 1927.654+/-0.287 χ^2/NDF: 346336.0/27

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1853.488+/-0.310 χ^2/NDF:567725.3/28

Out: 1811.780+/-0.297 χ^2/NDF:676316.1/33

All: 1831.716+/-0.214 χ^2/NDF: 1253497.9/62



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -772.166+/-2544.349 χ^2/NDF:19.2/14

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 2533.175+/-2879.919 χ^2/NDF:8.7/12

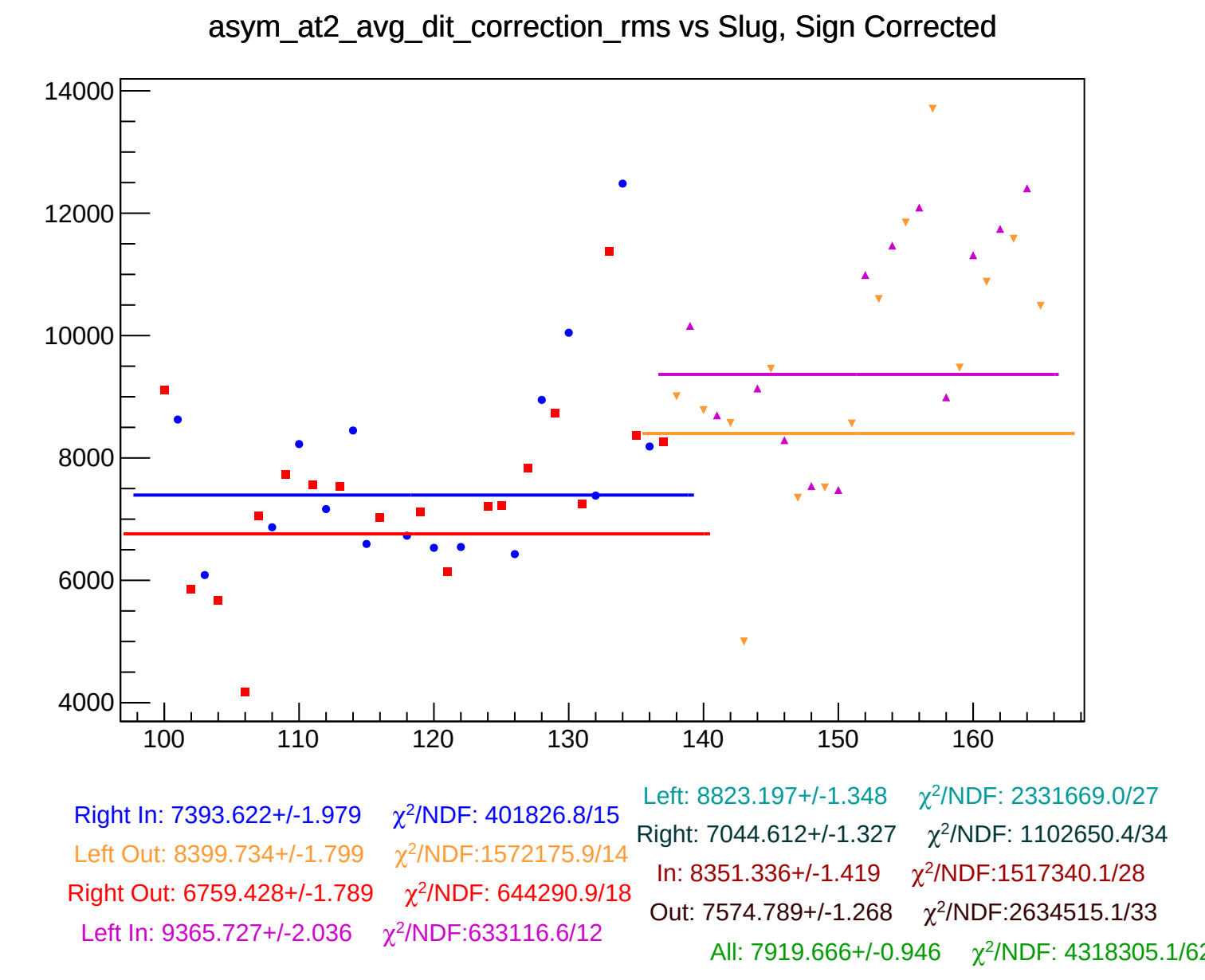
Left: 676.801+/-1906.784 χ^2/NDF: 28.6/27

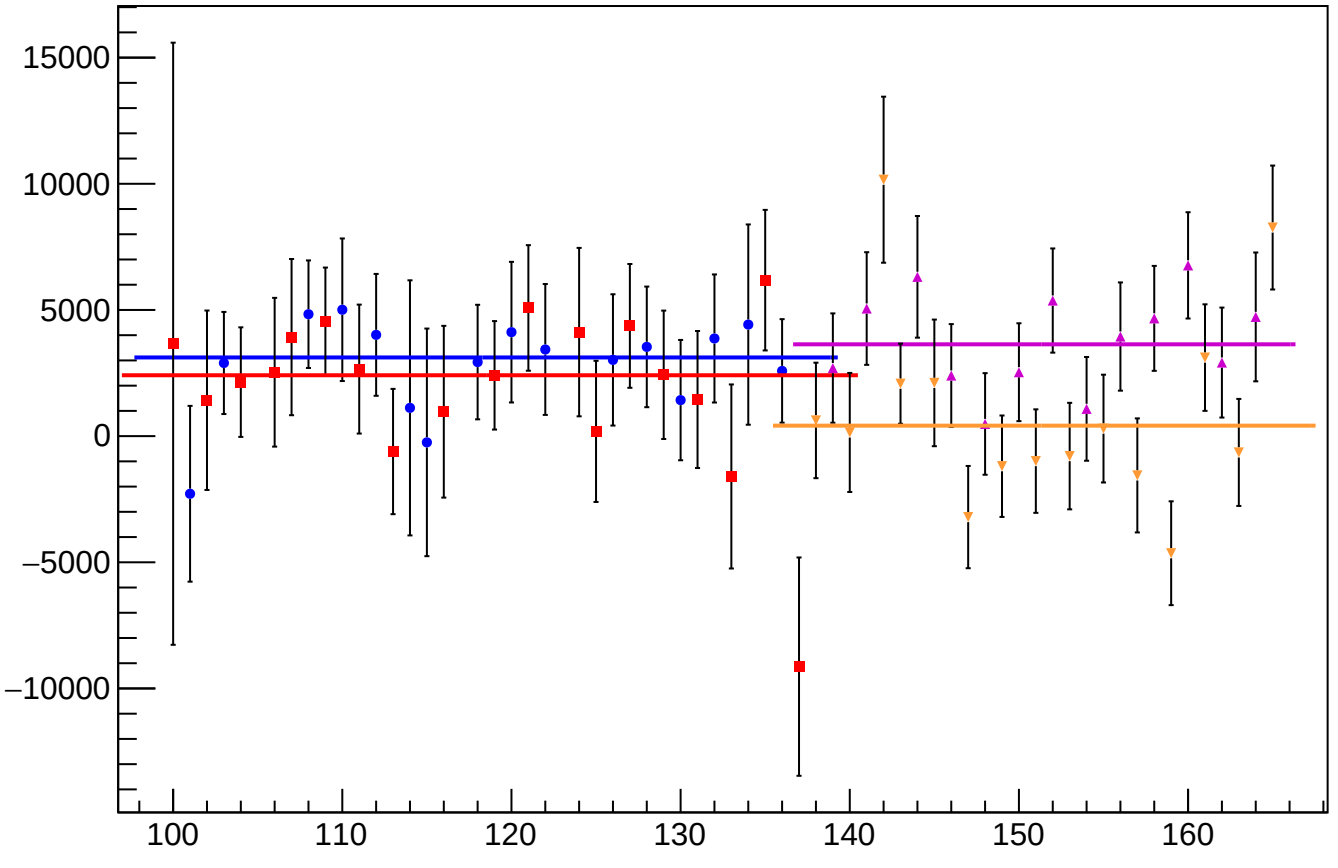
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: 222.763+/-2006.935 χ^2/NDF:24.3/28

Out: -349.550+/-1793.863 χ^2/NDF:35.4/33

All: -95.377+/-1337.462 χ^2/NDF: 59.7/62


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8399.734+/-1.799 χ²/NDF:1572175.9/14
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9365.727+/-2.036 χ²/NDF:633116.6/12
Left: 8823.197+/-1.348 χ²/NDF: 2331669.0/27
Right: 7044.612+/-1.327 χ²/NDF: 1102650.4/34
In: 8351.336+/-1.419 χ²/NDF:1517340.1/28
Out: 7574.789+/-1.268 χ²/NDF:2634515.1/33
All: 7919.666+/-0.946 χ²/NDF: 4318305.1/62



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 415.057+/-555.930 χ^2/NDF:33.9/14

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3638.678+/-592.532 χ^2/NDF:10.0/12

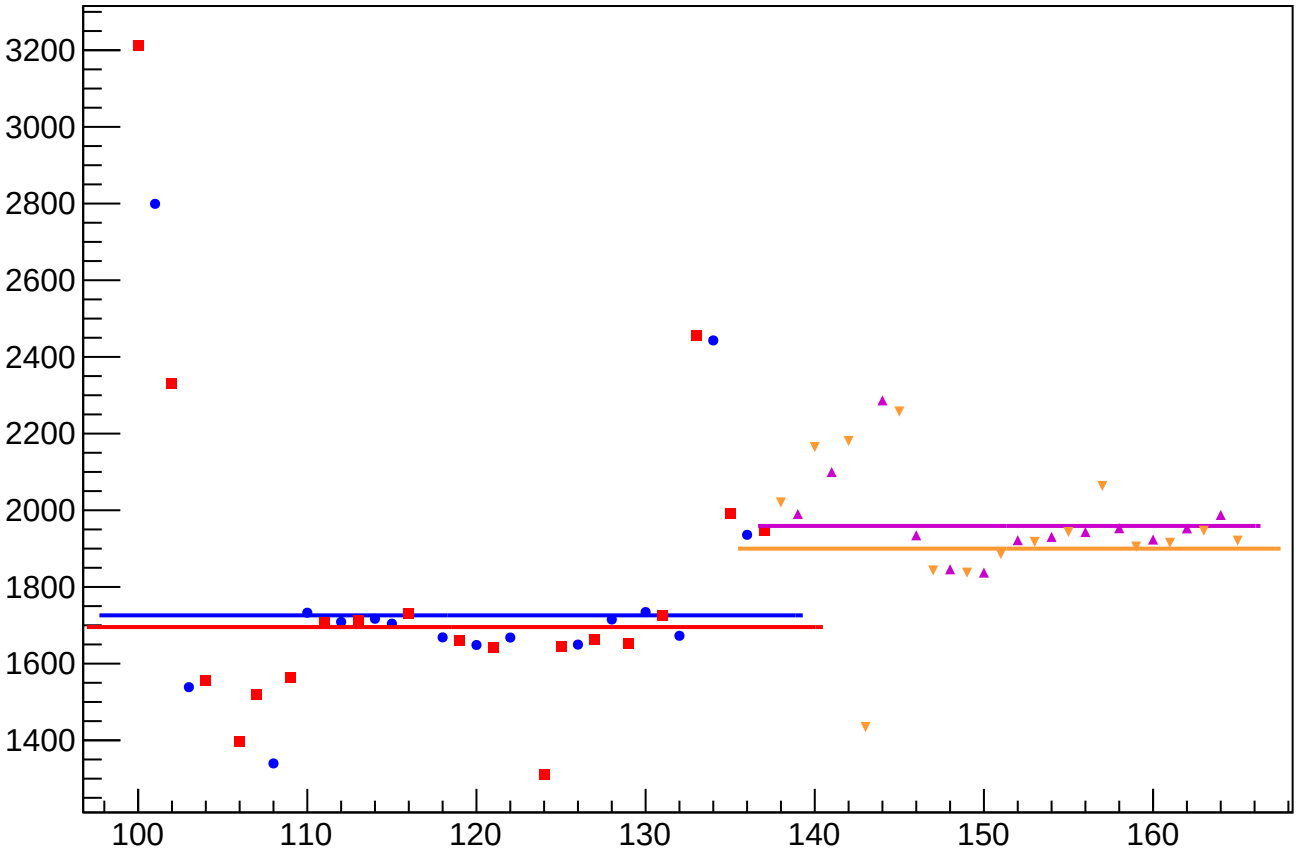
Left: 1924.234+/-405.424 χ^2/NDF: 59.6/27

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3402.759+/-438.235 χ^2/NDF:15.7/28

Out: 1275.551+/-419.423 χ^2/NDF:55.4/33

All: 2292.519+/-303.009 χ^2/NDF: 83.4/62



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1899.942+/-0.393 χ^2/NDF:273999.9/14

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1959.143+/-0.419 χ^2/NDF:61719.5/12

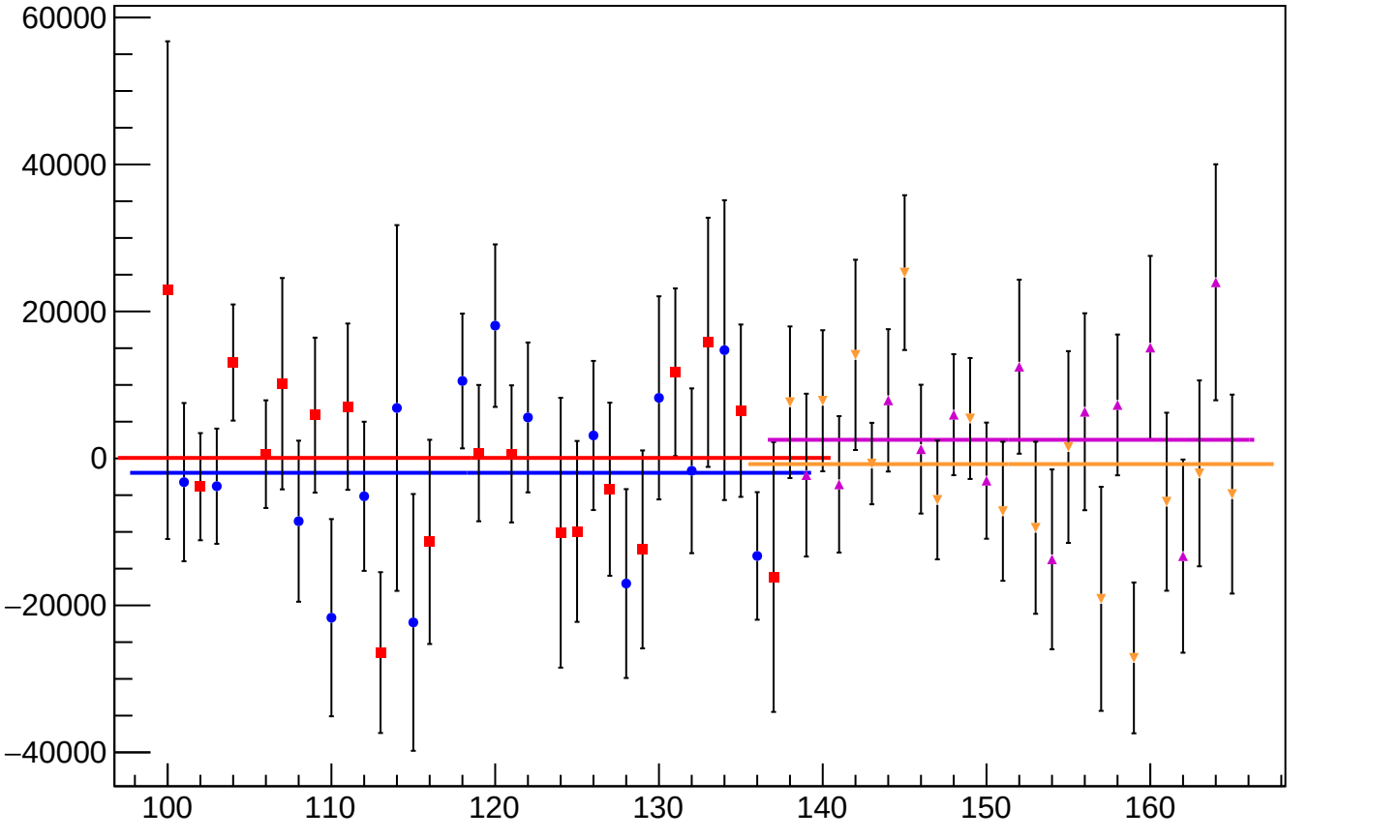
Left: 1927.658+/-0.287 χ^2/NDF: 346337.7/27

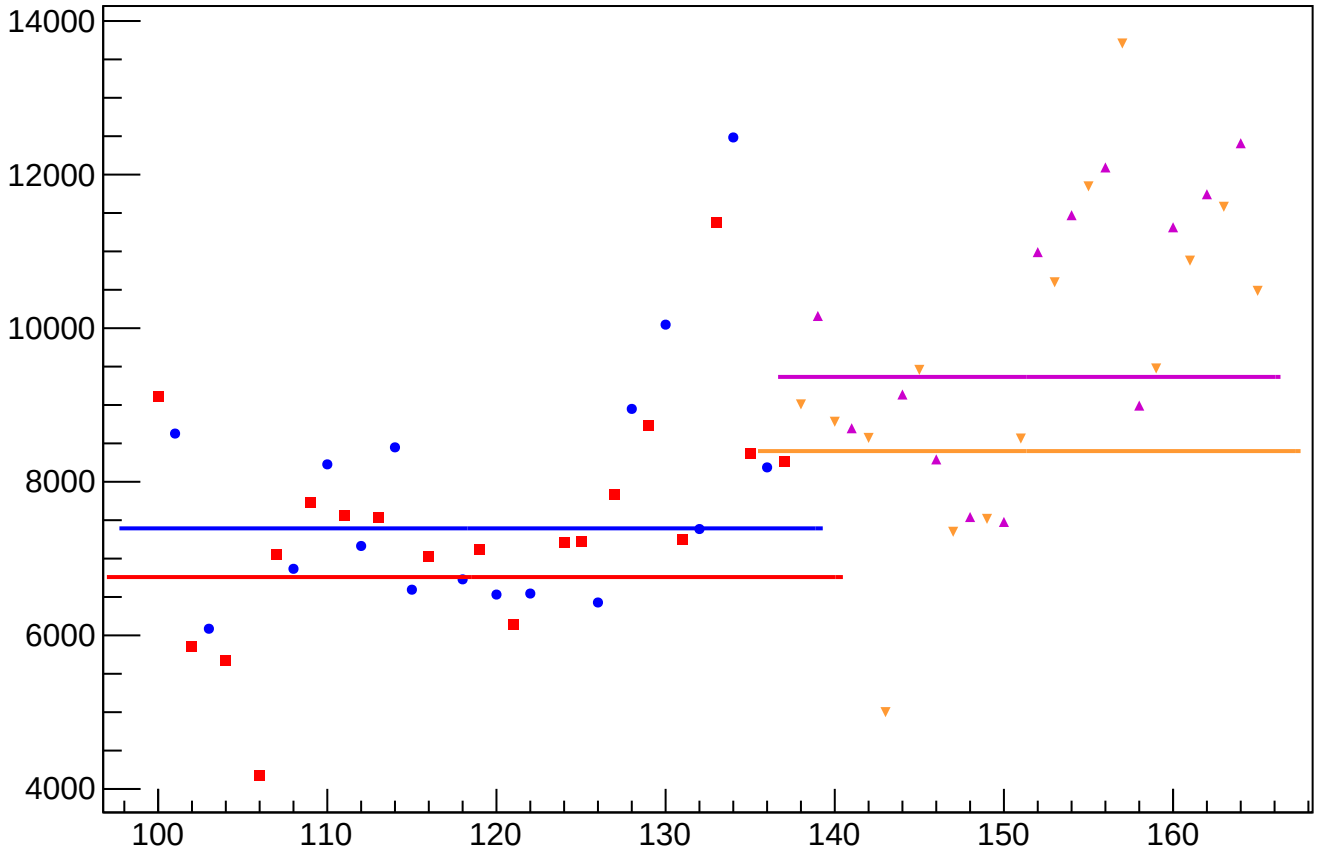
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1853.490+/-0.310 χ^2/NDF:567730.6/28

Out: 1811.782+/-0.297 χ^2/NDF:676322.0/33

All: 1831.718+/-0.214 χ^2/NDF: 1253509.1/62


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: -772.177+/-2544.353 χ²/NDF:19.2/14
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 2533.172+/-2879.923 χ²/NDF:8.7/12
Left: 676.794+/-1906.786 χ²/NDF: 28.6/27
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: 222.765+/-2006.934 χ²/NDF:24.3/28
Out: -349.550+/-1793.863 χ²/NDF:35.4/33
All: -95.376+/-1337.461 χ²/NDF: 59.7/62



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8399.747+/-1.799 χ^2/NDF:1572176.6/14

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9365.739+/-2.036 χ^2/NDF:633118.2/12

Left: 8823.210+/-1.348 χ^2/NDF: 2331671.0/27

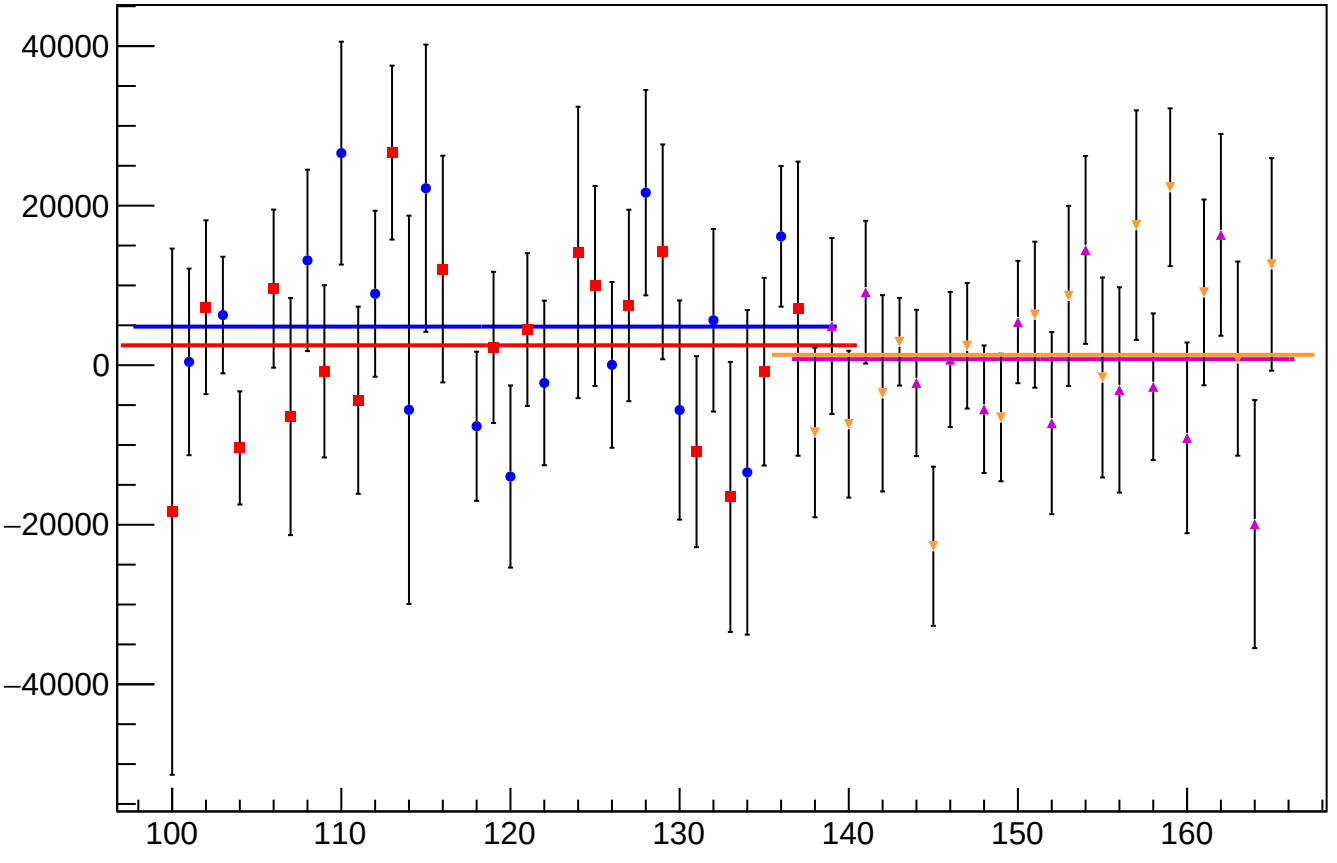
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8351.330+/-1.419 χ^2/NDF:1517359.2/28

Out: 7574.785+/-1.268 χ^2/NDF:2634528.8/33

All: 7919.661+/-0.946 χ^2/NDF: 4318336.9/62

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1300.426+/-2475.116 χ^2/NDF:16.5/14

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 754.765+/-2780.706 χ^2/NDF:8.2/12

Left: 1059.215+/-1848.809 χ^2/NDF: 24.7/27

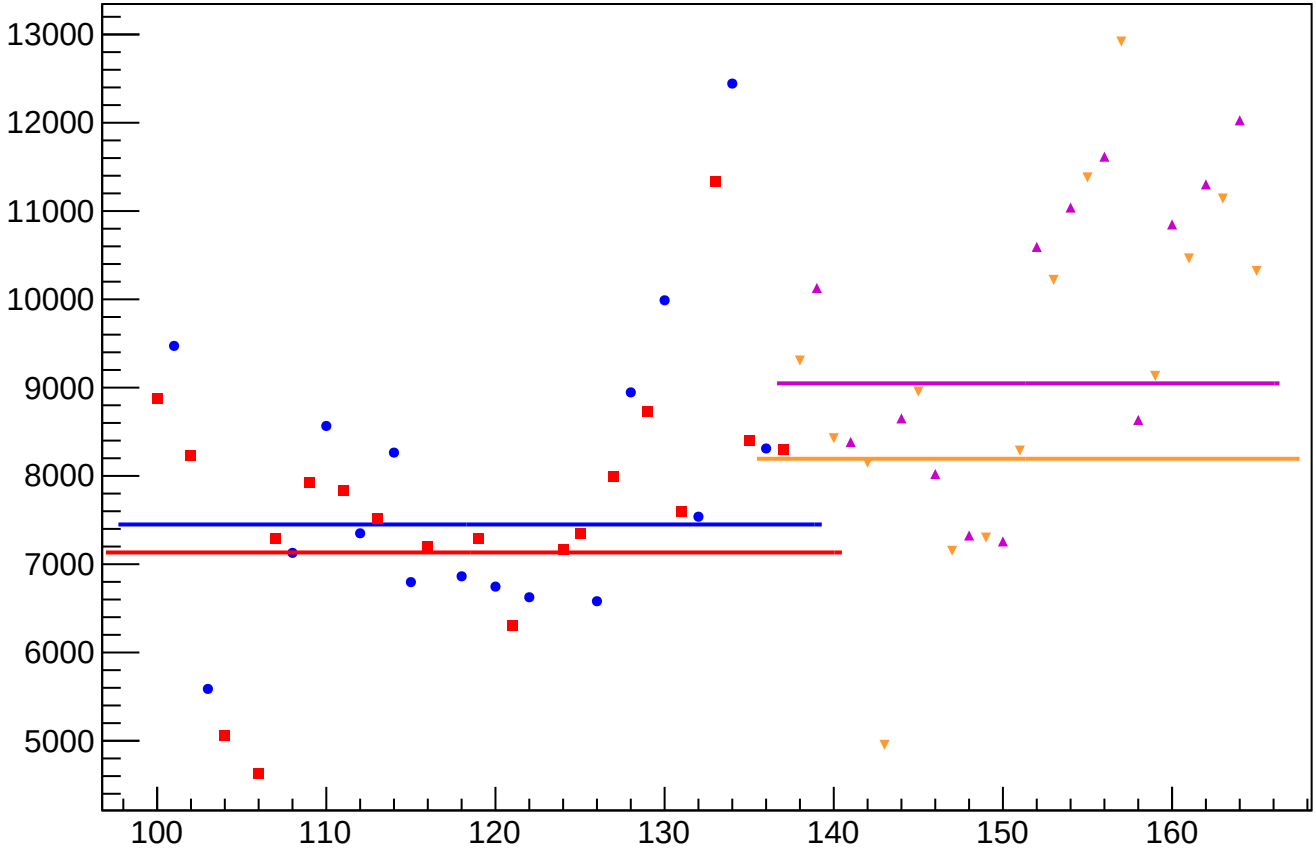
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2761.204+/-1983.082 χ^2/NDF:23.5/28

Out: 1847.269+/-1823.122 χ^2/NDF:31.5/33

All: 2265.895+/-1342.135 χ^2/NDF: 55.2/62

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8194.227+/-1.750 χ^2/NDF:1463318.0/14

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9048.431+/-1.966 χ^2/NDF:625044.3/12

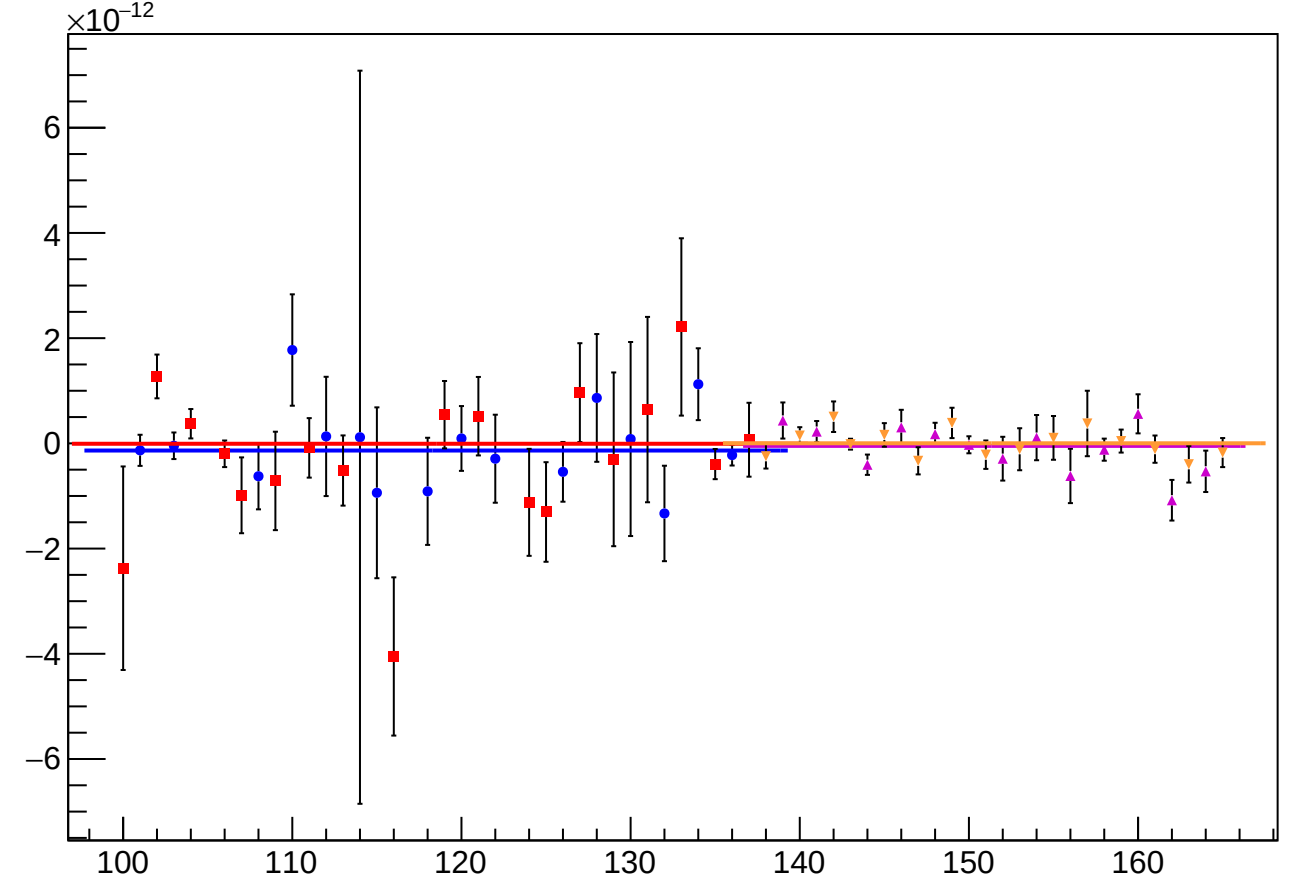
Left: 8571.830+/-1.307 χ^2/NDF: 2193664.2/27

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8262.938+/-1.402 χ^2/NDF:1436230.1/28

Out: 7708.785+/-1.289 χ^2/NDF:2188476.8/33

All: 7962.606+/-0.949 χ^2/NDF: 3709348.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:22.6/12

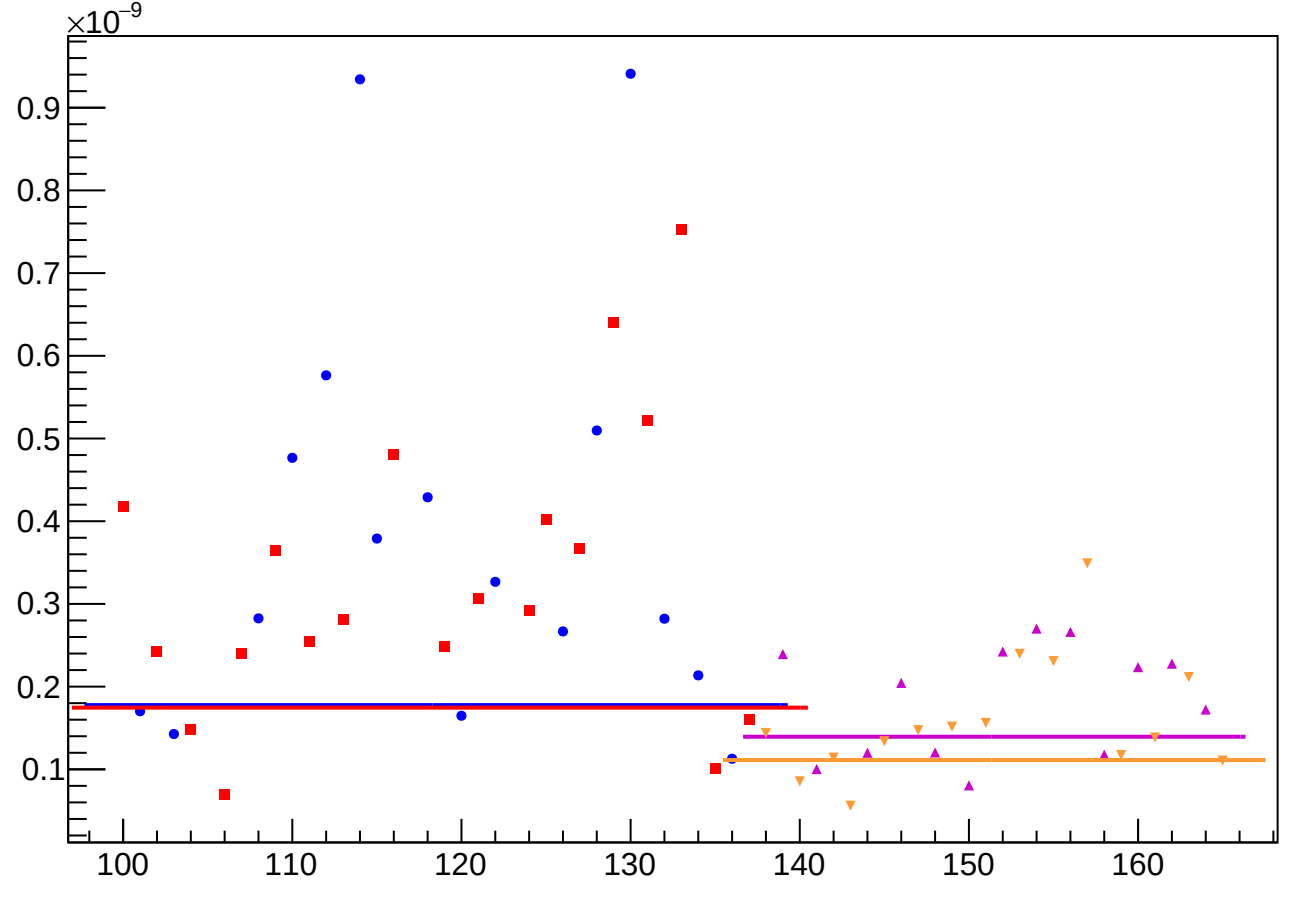
Left: -0.000+/-0.000 χ^2/NDF: 35.0/27

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:34.6/28

Out: -0.000+/-0.000 χ^2/NDF:44.8/33

All: -0.000+/-0.000 χ^2/NDF: 80.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1671952.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1291688.5/12

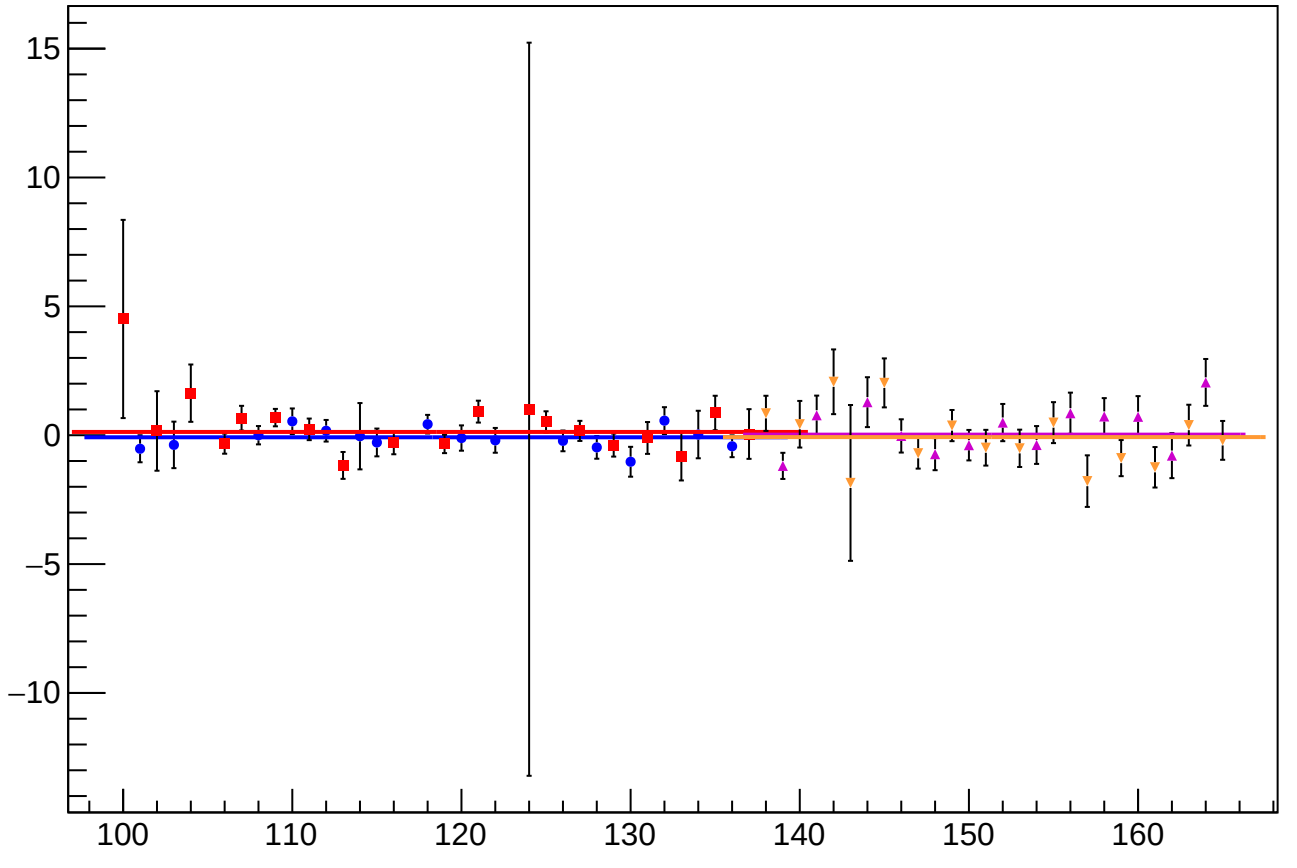
Left: 0.000+/-0.000 χ^2/NDF: 3145553.9/27

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2970011.5/28

Out: 0.000+/-0.000 χ^2/NDF:3746916.3/33

All: 0.000+/-0.000 χ^2/NDF: 6935704.8/62



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

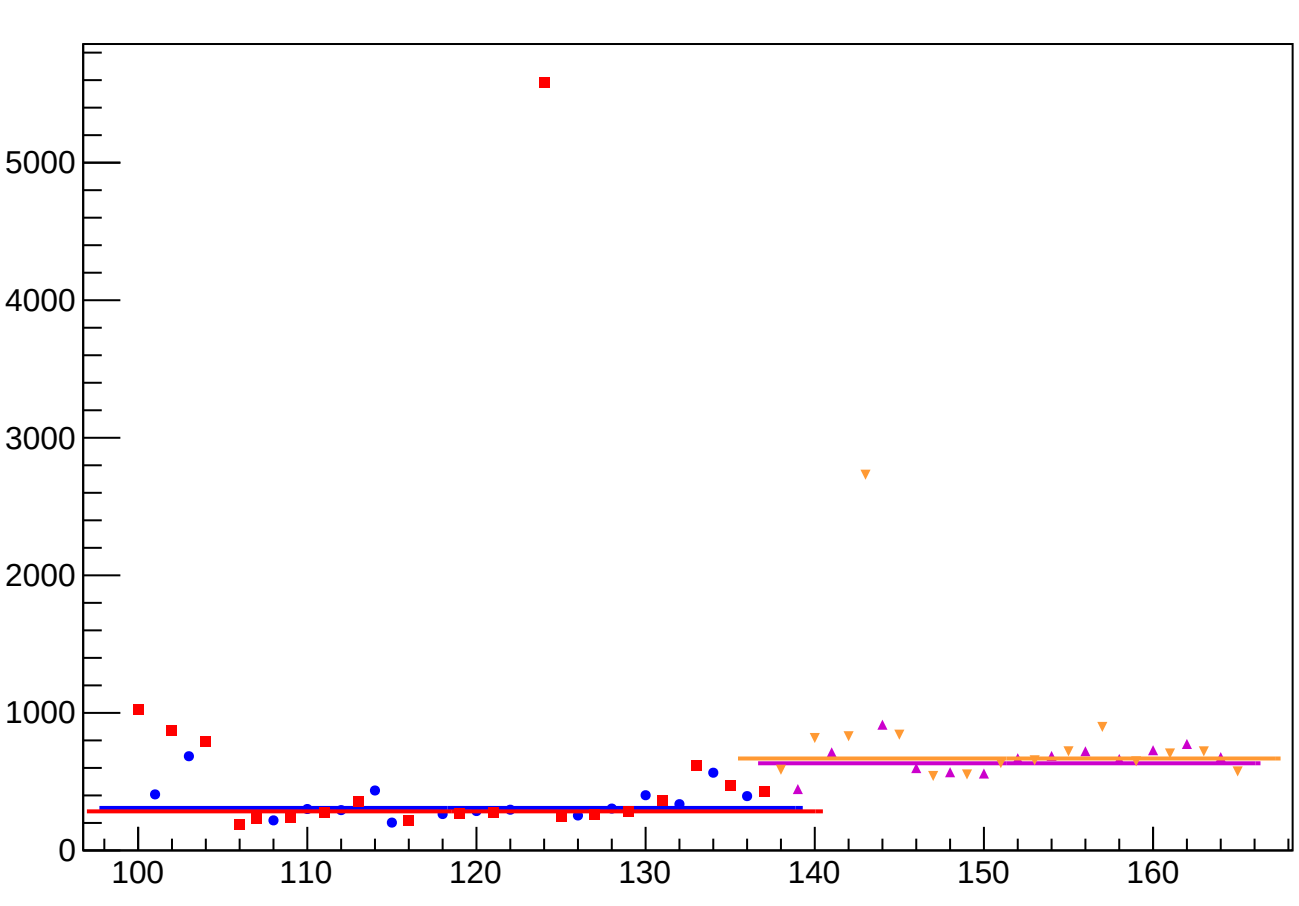
Left: -0.023+/-0.141 χ^2/NDF: 39.9/27

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.015+/-0.072 χ^2/NDF: 77.5/62



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 668.520+/-0.143 χ^2/NDF:1443226.4/14

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

Left: 650.566+/-0.100 χ^2/NDF: 2123768.5/27

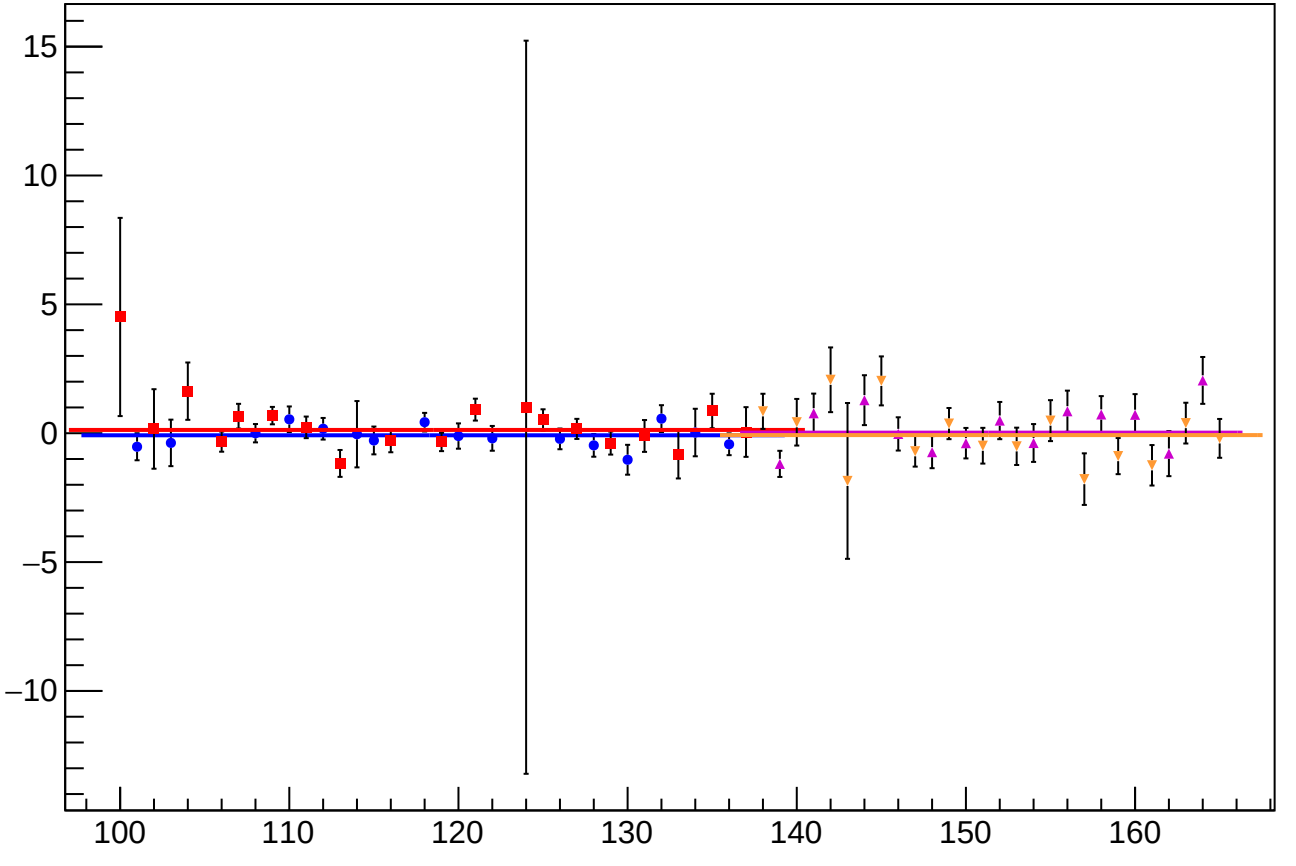
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 399.283+/-0.073 χ^2/NDF:5607058.0/28

Out: 380.185+/-0.072 χ^2/NDF:8698278.9/33

All: 389.520+/-0.051 χ^2/NDF: 14340109.0/62

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

Left: -0.023+/-0.141 χ^2/NDF: 39.9/27

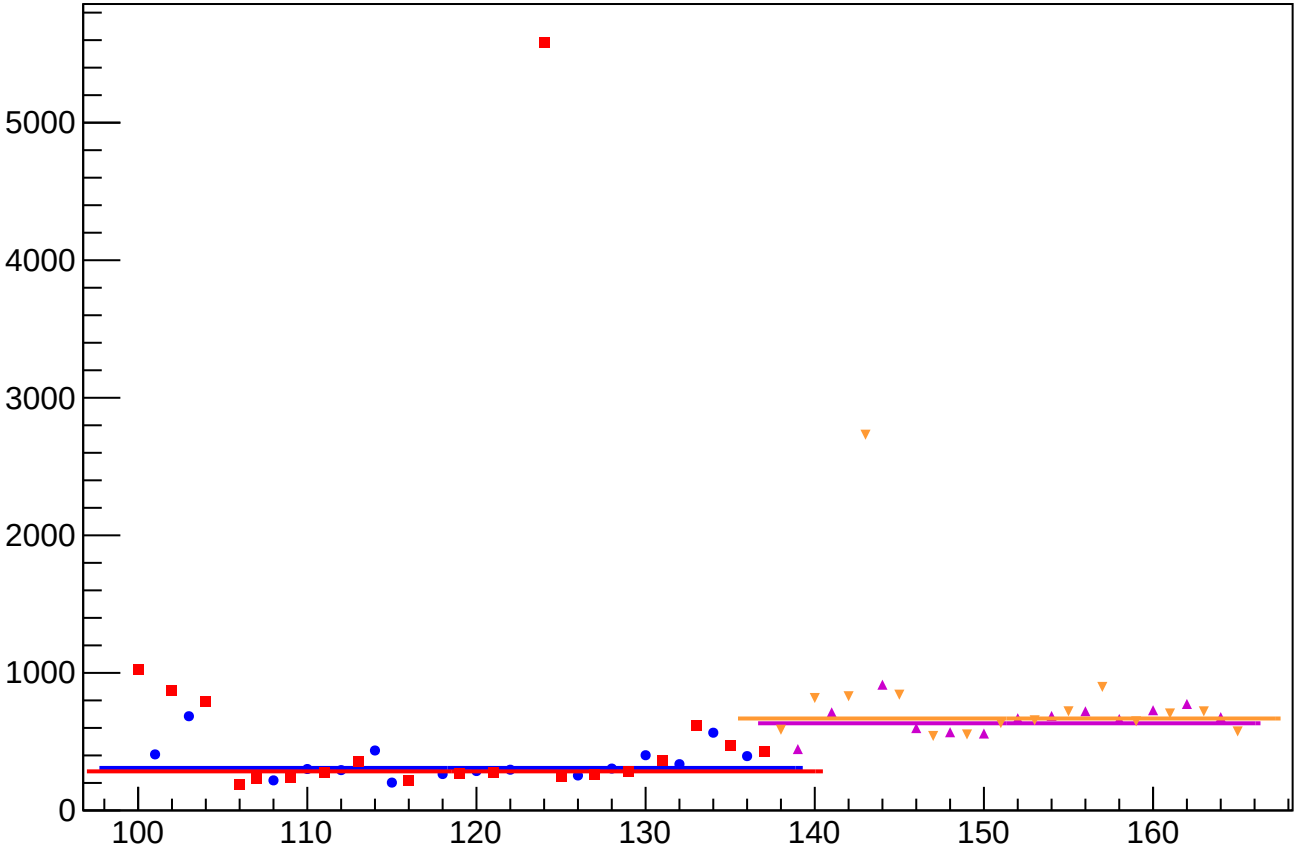
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.015+/-0.072 χ^2/NDF: 77.5/62

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: 668.520+/-0.143 χ^2/NDF:1443226.4/14

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

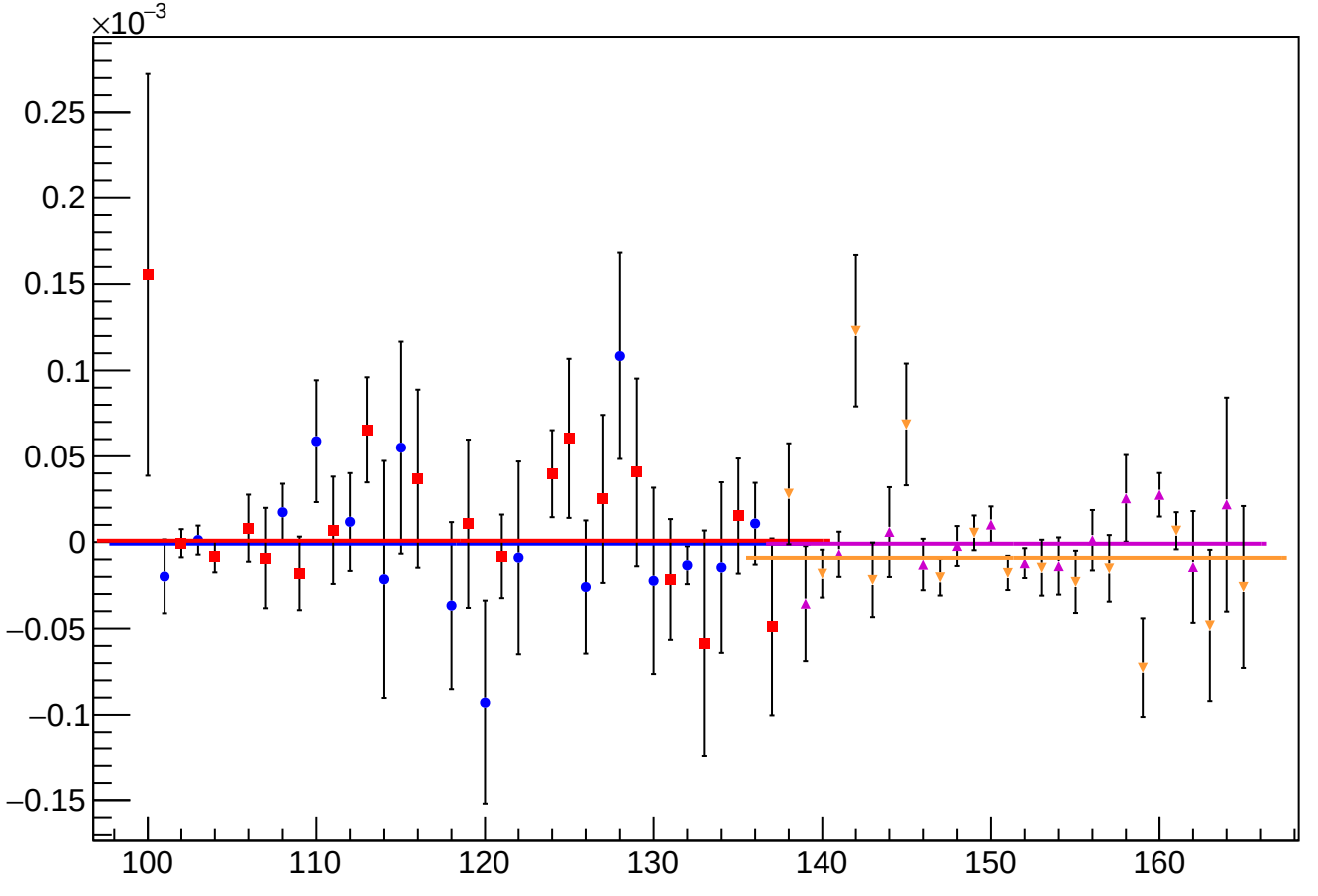
Left: 650.566+/-0.100 χ^2/NDF: 2123768.5/27

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 399.283+/-0.073 χ^2/NDF:5607058.0/28

Out: 380.185+/-0.072 χ^2/NDF:8698278.9/33

All: 389.520+/-0.051 χ^2/NDF: 14340109.0/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/12

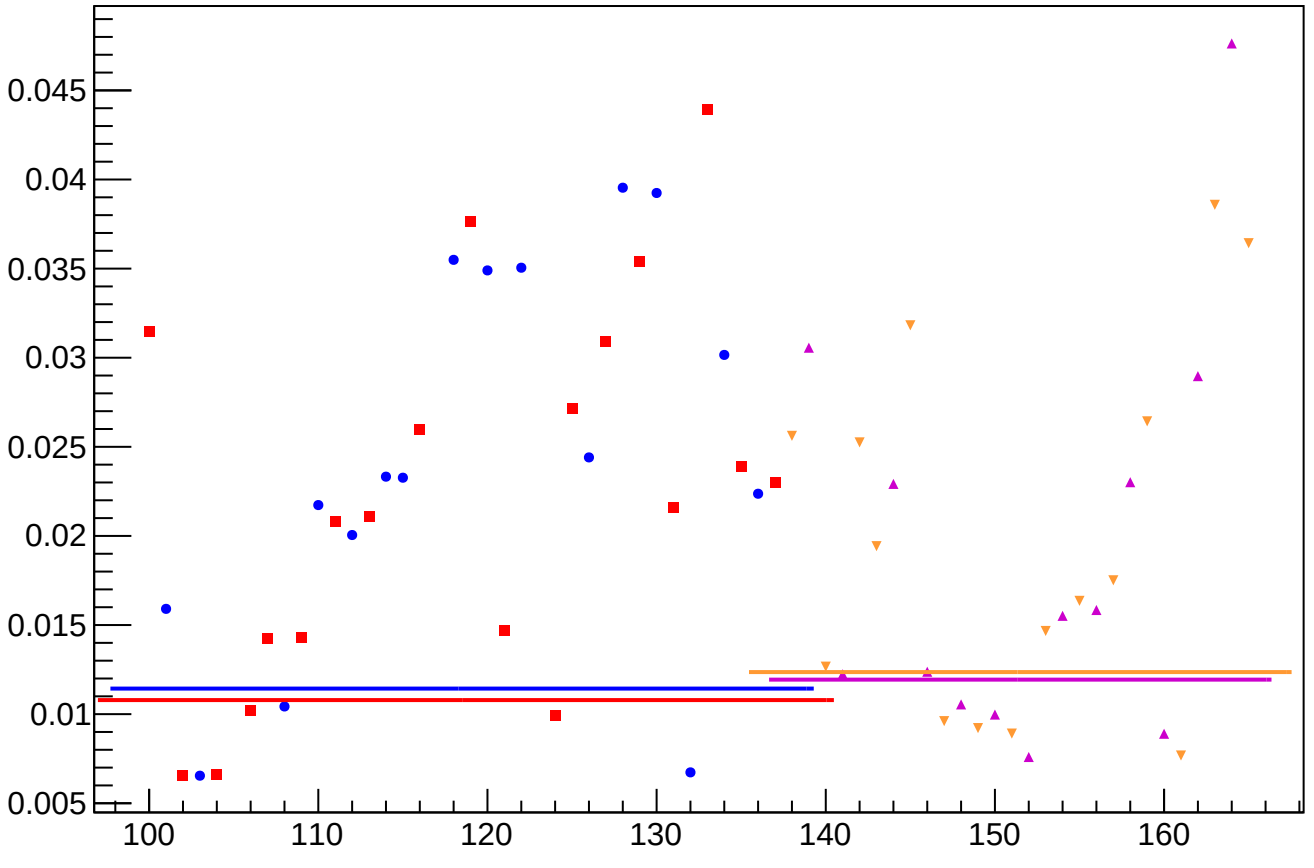
Left: -0.000+/-0.000 χ^2/NDF: 42.9/27

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.4/28

Out: -0.000+/-0.000 χ^2/NDF:47.6/33

All: -0.000+/-0.000 χ^2/NDF: 74.8/62



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:4358091.6/14

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:3498242.6/12

Left: 0.012+/-0.000 χ^2/NDF: 7866944.8/27

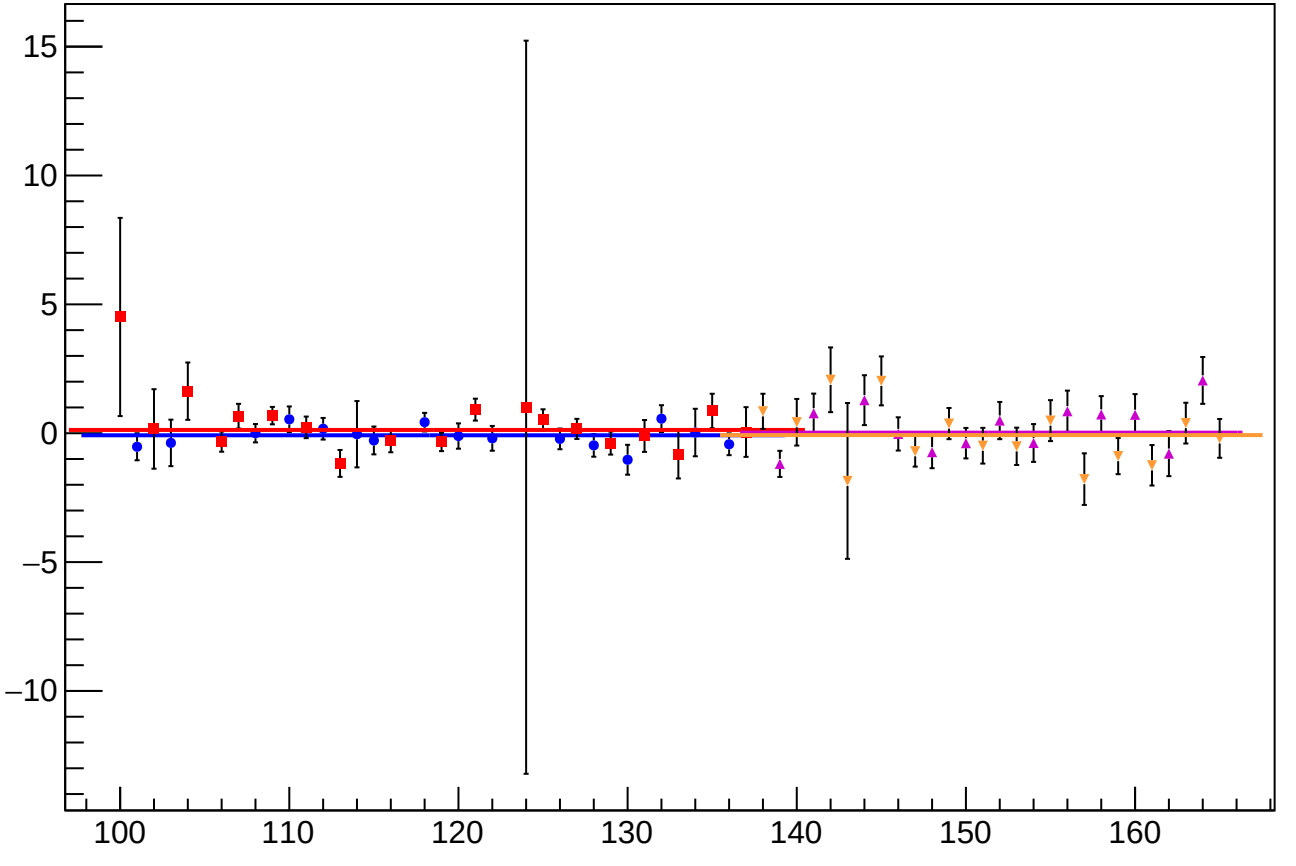
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:8209299.8/28

Out: 0.012+/-0.000 χ^2/NDF:8954304.5/33

All: 0.012+/-0.000 χ^2/NDF: 17163801.6/62

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

Left: -0.023+/-0.141 χ^2/NDF: 39.9/27

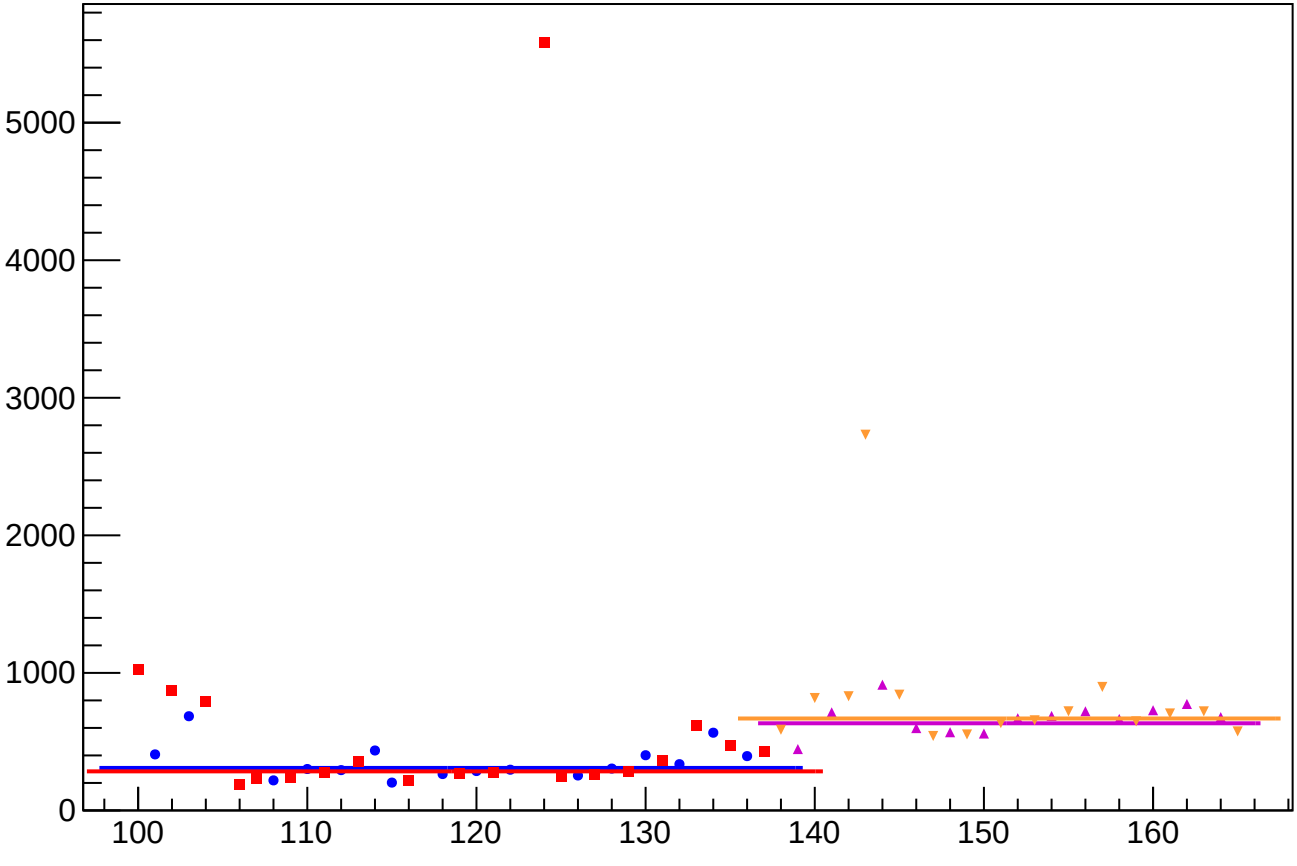
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.015+/-0.072 χ^2/NDF: 77.5/62

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 668.530+/-0.143 χ^2/NDF:1443225.2/14

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

Left: 650.576+/-0.100 χ^2/NDF: 2123757.8/27

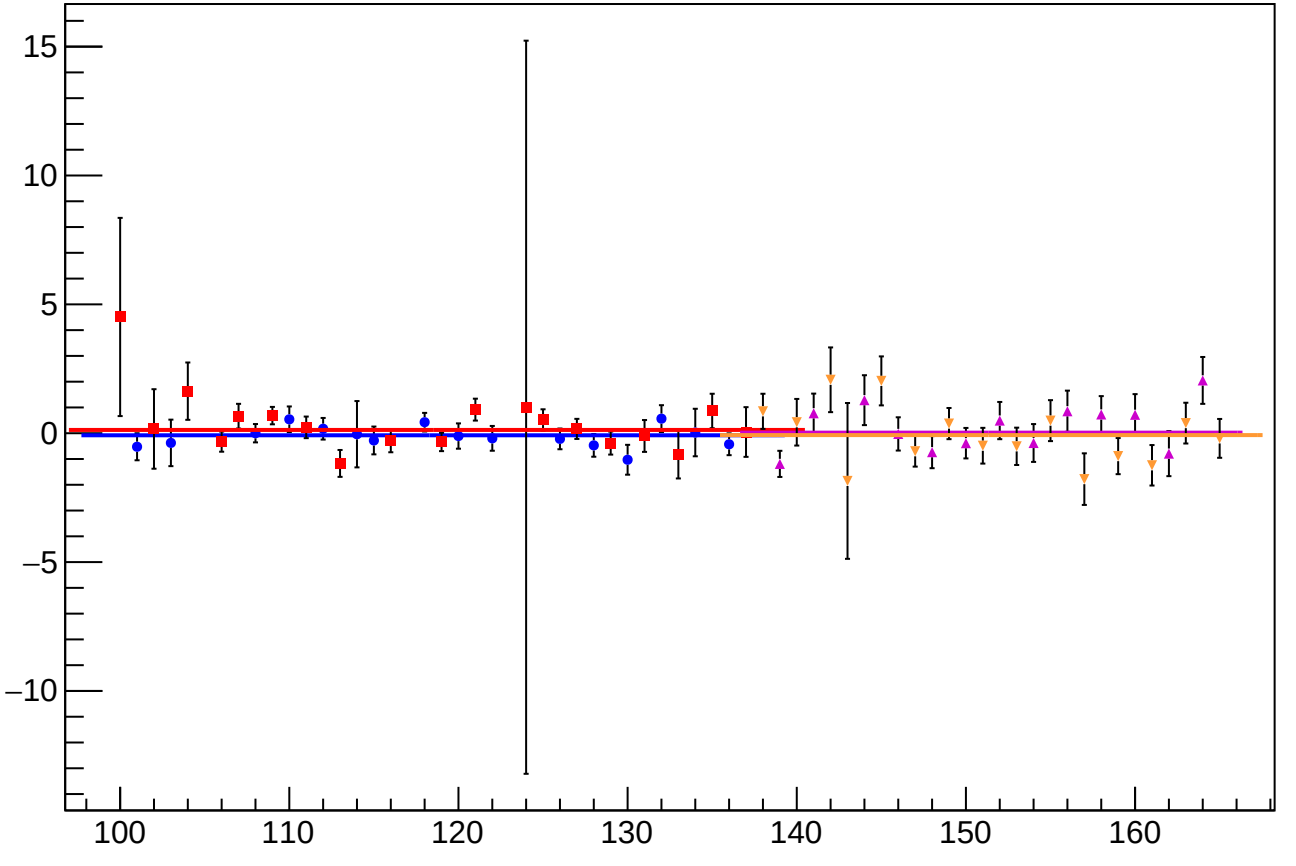
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 399.283+/-0.073 χ^2/NDF:5607194.2/28

Out: 380.184+/-0.072 χ^2/NDF:8698450.7/33

All: 389.519+/-0.051 χ^2/NDF: 14340417.9/62

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

Left: -0.023+/-0.141 χ^2/NDF: 39.9/27

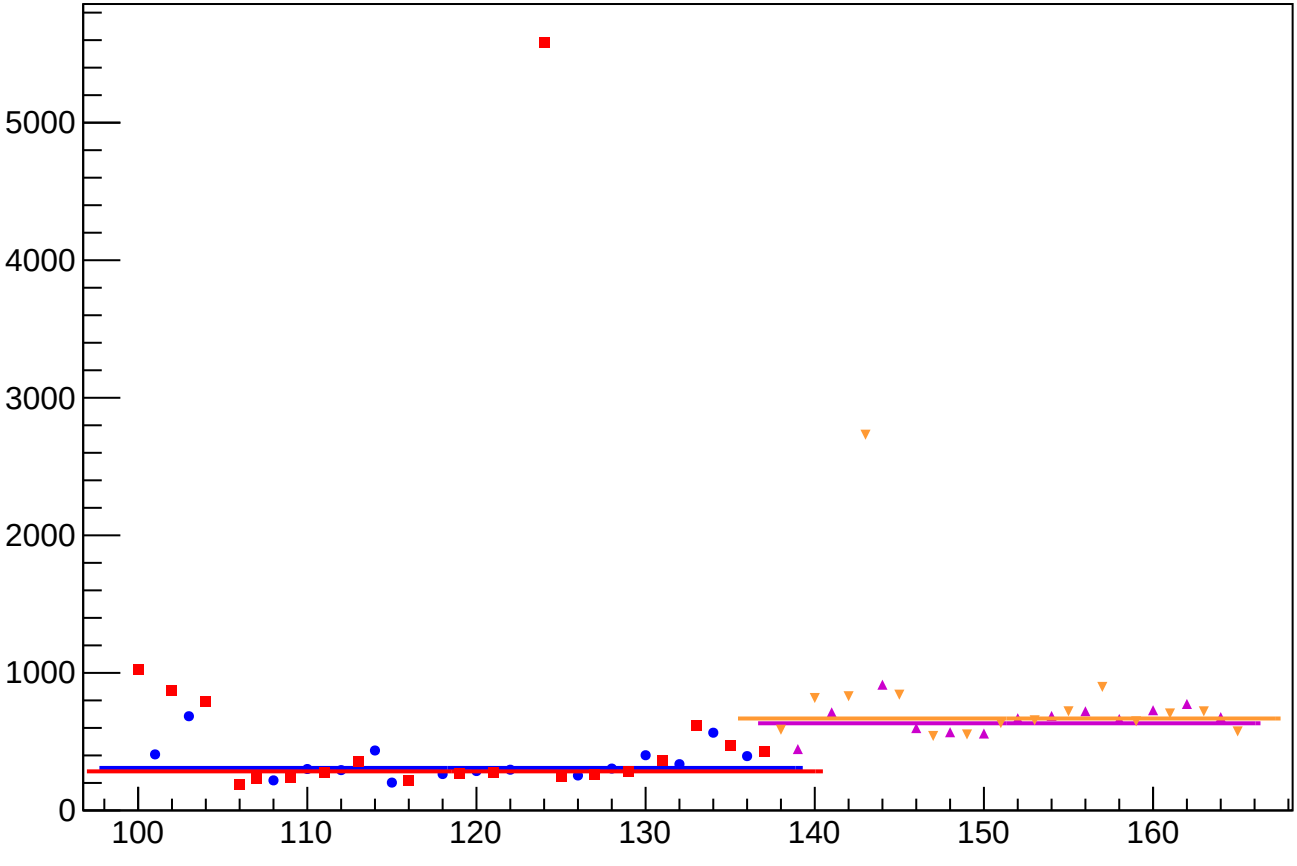
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.015+/-0.072 χ^2/NDF: 77.5/62

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 668.530+/-0.143 χ^2/NDF:1443225.2/14

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

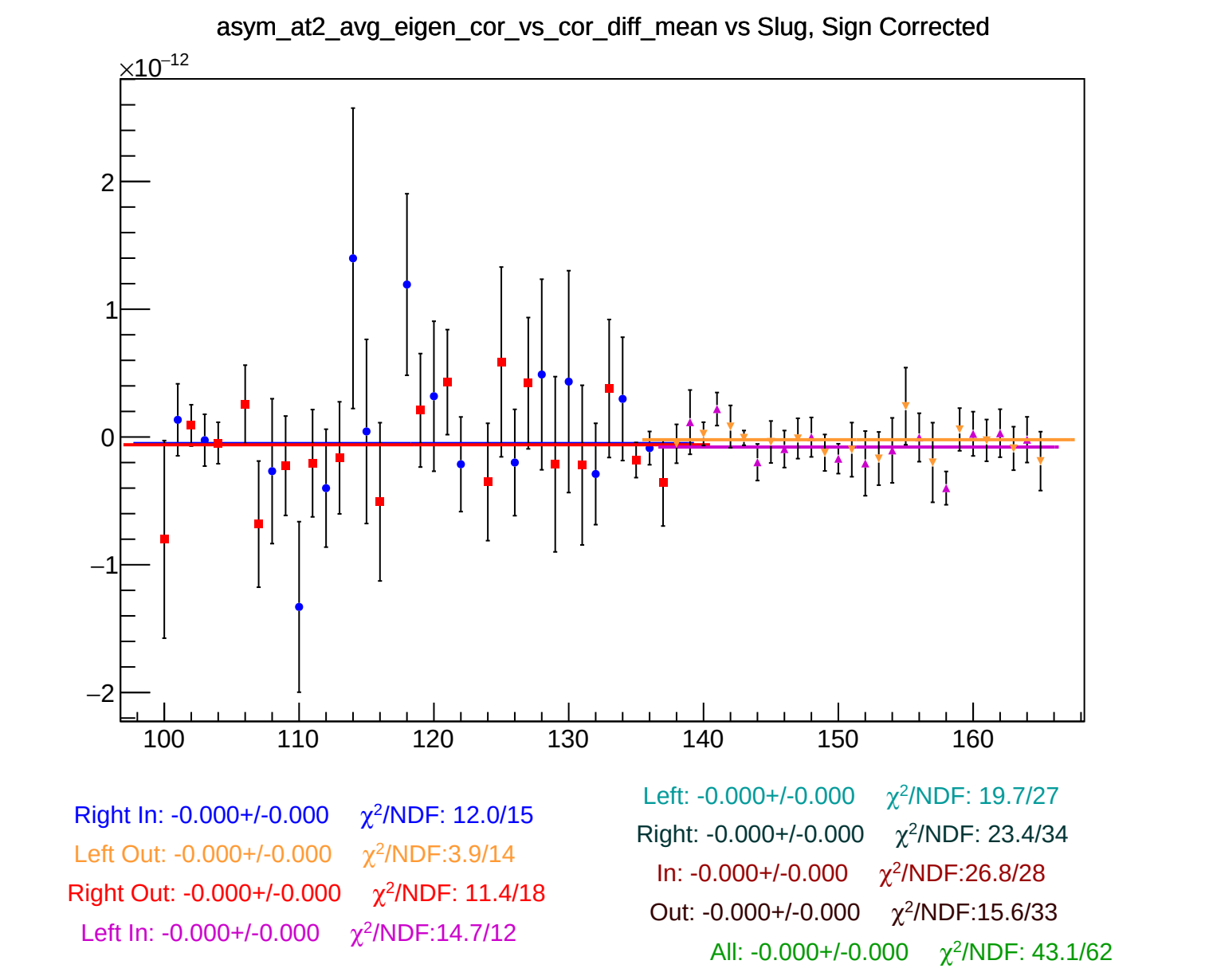
Left: 650.576+/-0.100 χ^2/NDF: 2123757.8/27

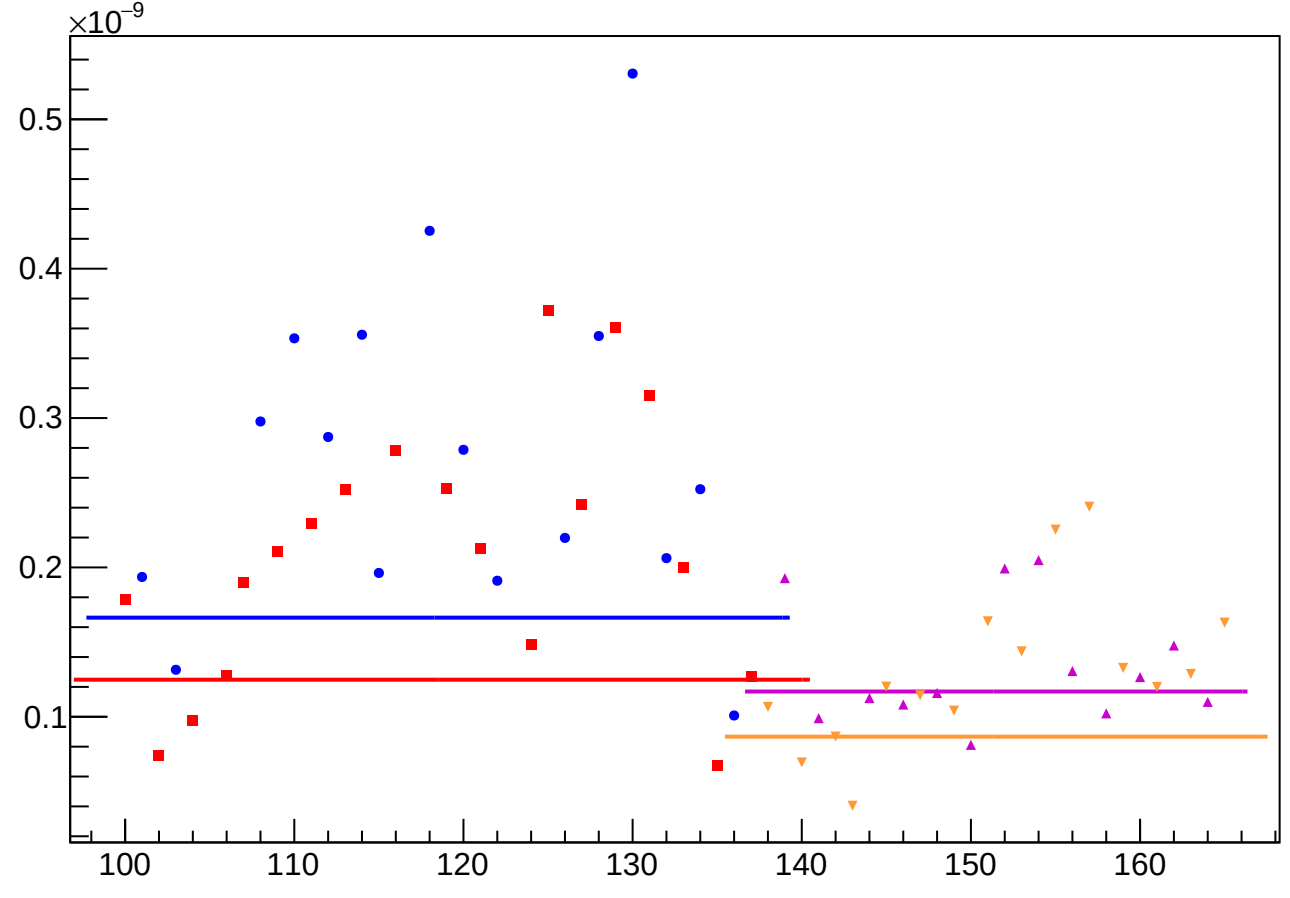
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 399.283+/-0.073 χ^2/NDF:5607194.2/28

Out: 380.184+/-0.072 χ^2/NDF:8698450.7/33

All: 389.519+/-0.051 χ^2/NDF: 14340417.9/62


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
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/14
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/12
Left: -0.000+/-0.000 χ²/NDF: 19.7/27
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:26.8/28
Out: -0.000+/-0.000 χ²/NDF:15.6/33
All: -0.000+/-0.000 χ²/NDF: 43.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3467081.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:966173.0/12

Left: 0.000+/-0.000 χ^2/NDF: 4998961.0/27

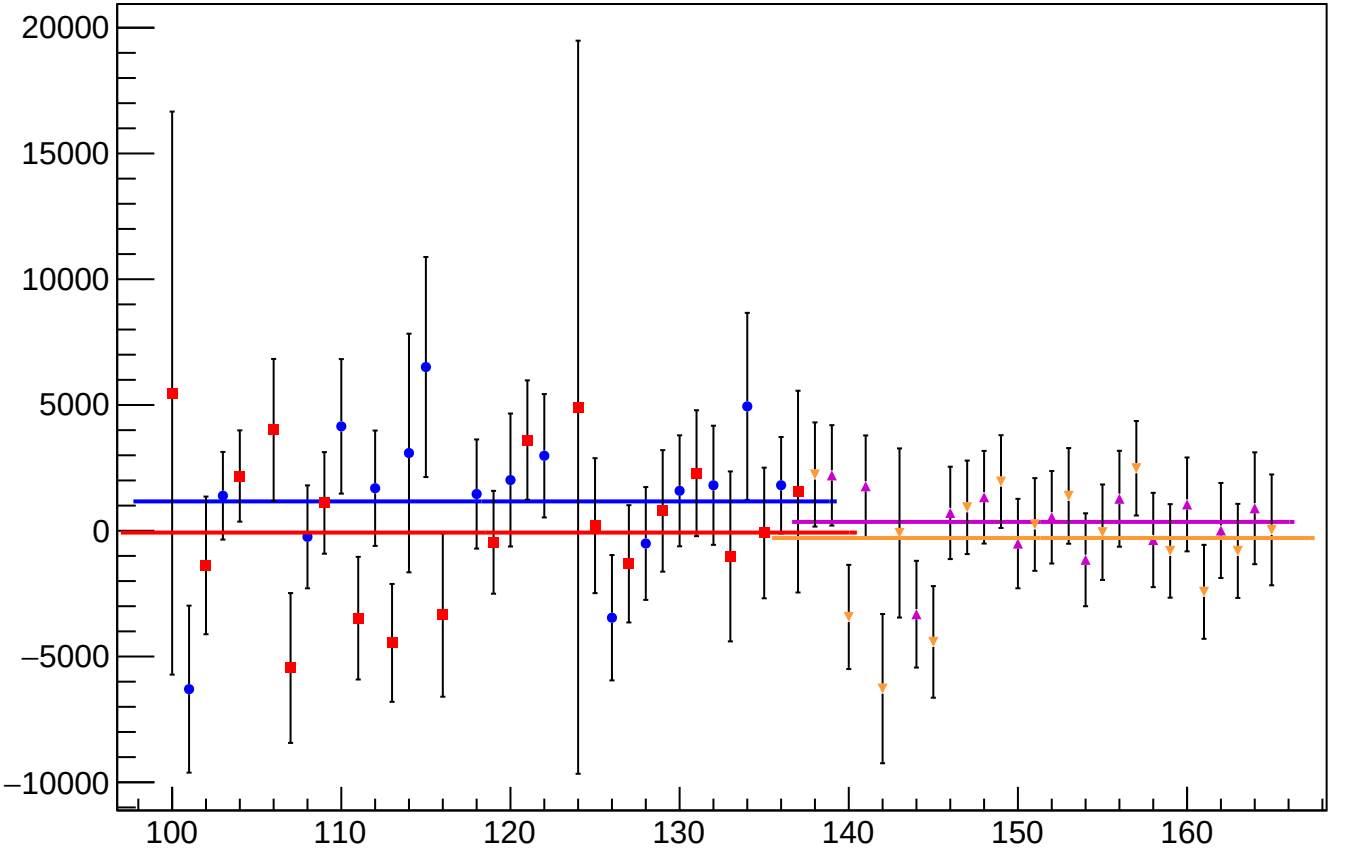
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:3485674.3/28

Out: 0.000+/-0.000 χ^2/NDF:6151759.2/33

All: 0.000+/-0.000 χ^2/NDF: 10519611.9/62

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -288.832+/-523.107 χ^2/NDF:17.8/14

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 351.145+/-531.255 χ^2/NDF:6.2/12

Left: 26.211+/-372.740 χ^2/NDF: 24.7/27

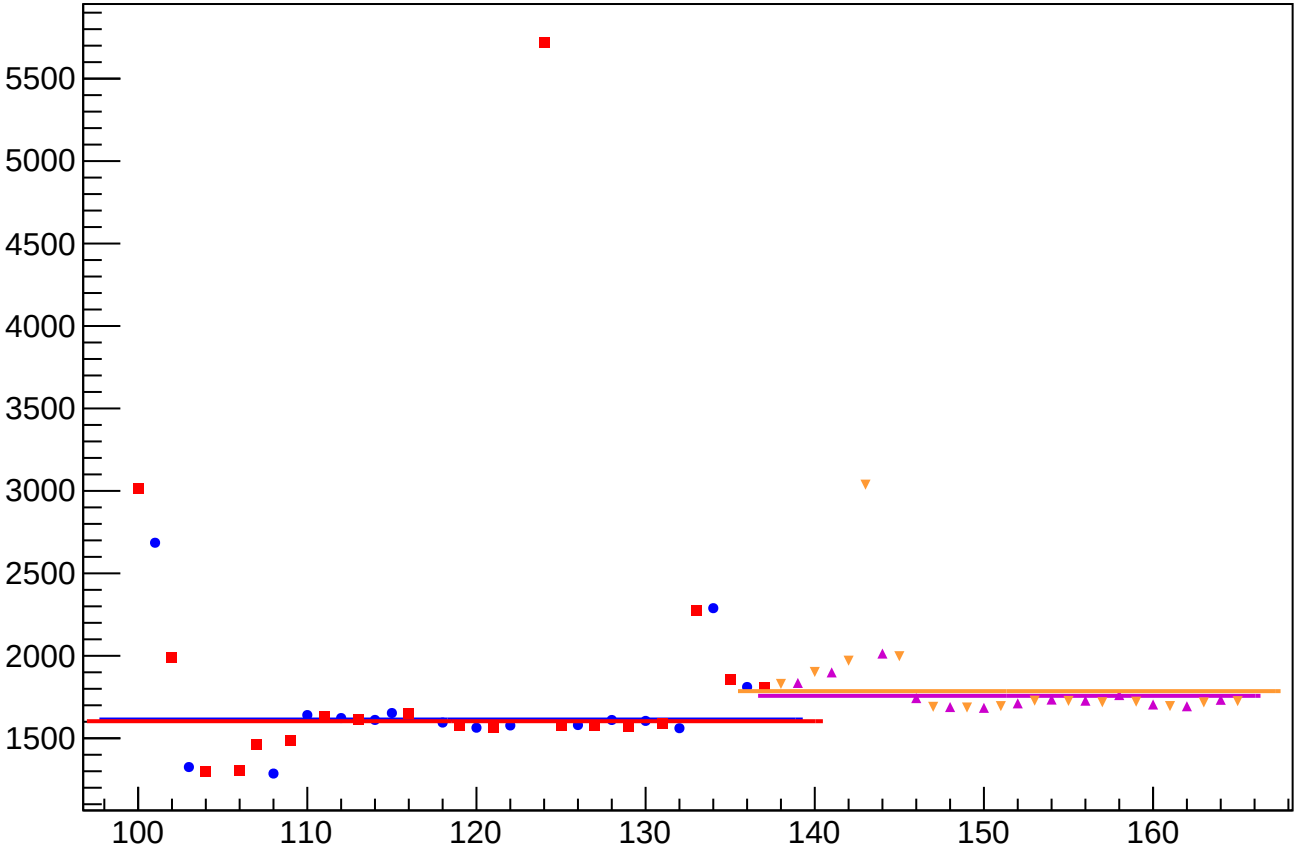
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 703.530+/-400.386 χ^2/NDF:21.6/28

Out: -195.864+/-395.243 χ^2/NDF:36.1/33

All: 248.020+/-281.280 χ^2/NDF: 60.3/62

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

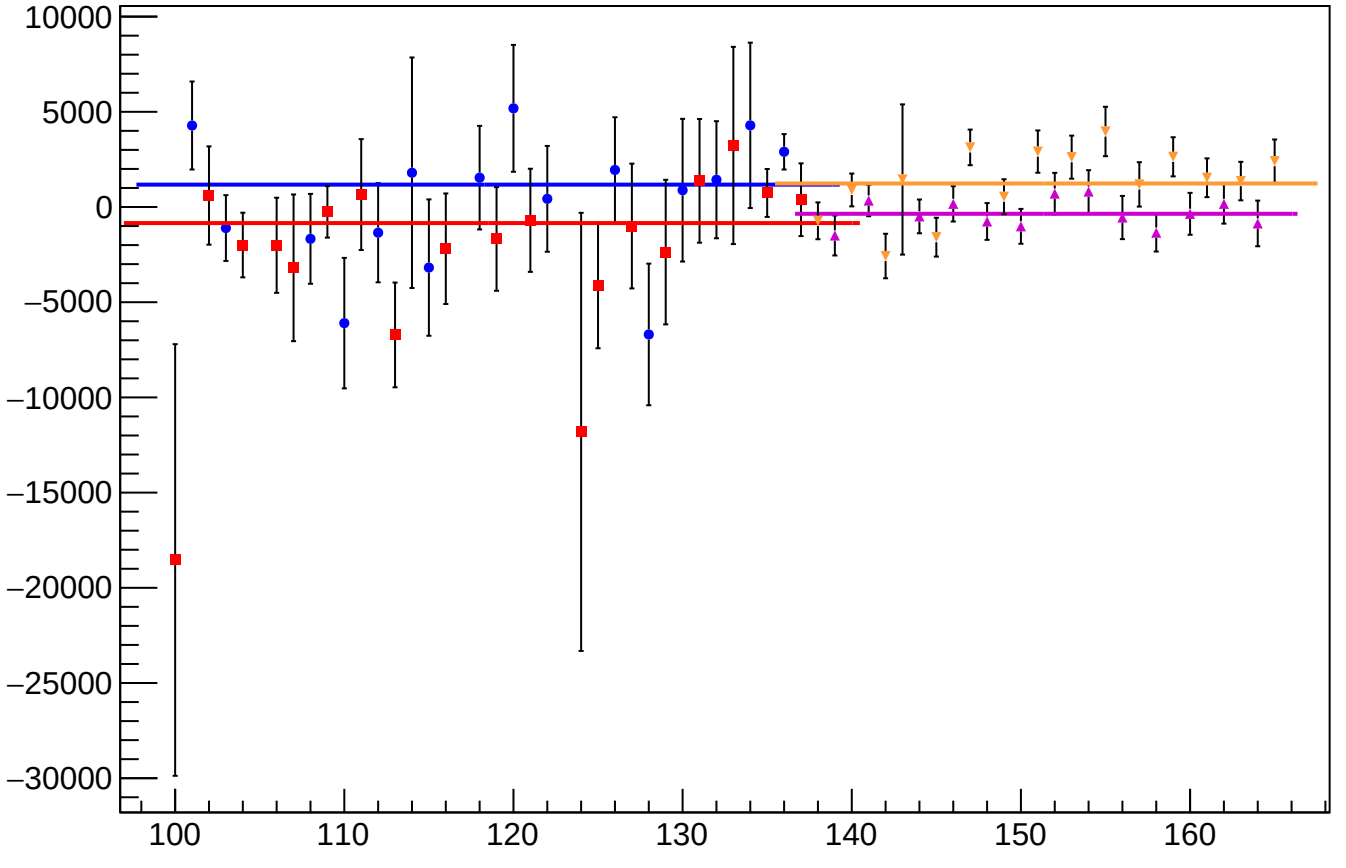
Left: 1771.814+/-0.264 χ^2/NDF: 401351.9/27

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1695.286+/-0.283 χ^2/NDF:522286.7/28

Out: 1707.574+/-0.279 χ^2/NDF:874136.4/33

All: 1701.510+/-0.199 χ^2/NDF: 1397377.2/62



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1234.682+/-276.399 χ^2/NDF:38.4/14

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -356.406+/-277.676 χ^2/NDF:6.4/12

Left: 442.805+/-195.894 χ^2/NDF: 61.3/27

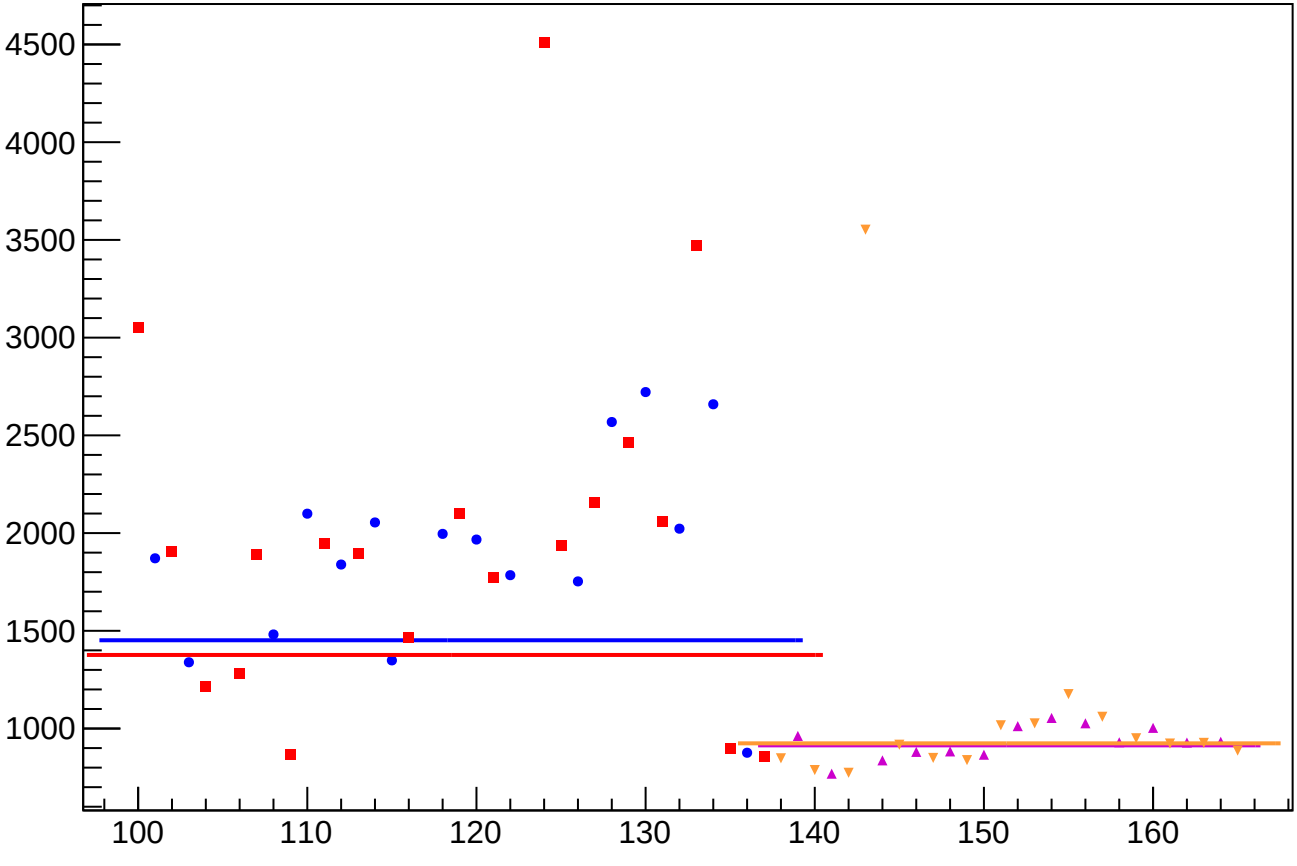
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -70.010+/-250.378 χ^2/NDF:34.1/28

Out: 824.506+/-247.630 χ^2/NDF:63.9/33

All: 382.183+/-176.064 χ^2/NDF: 104.4/62

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 924.271+/-0.195 χ^2/NDF:1150103.9/14

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 913.918+/-0.196 χ^2/NDF:173461.0/12

Left: 919.118+/-0.139 χ^2/NDF: 1324961.6/27

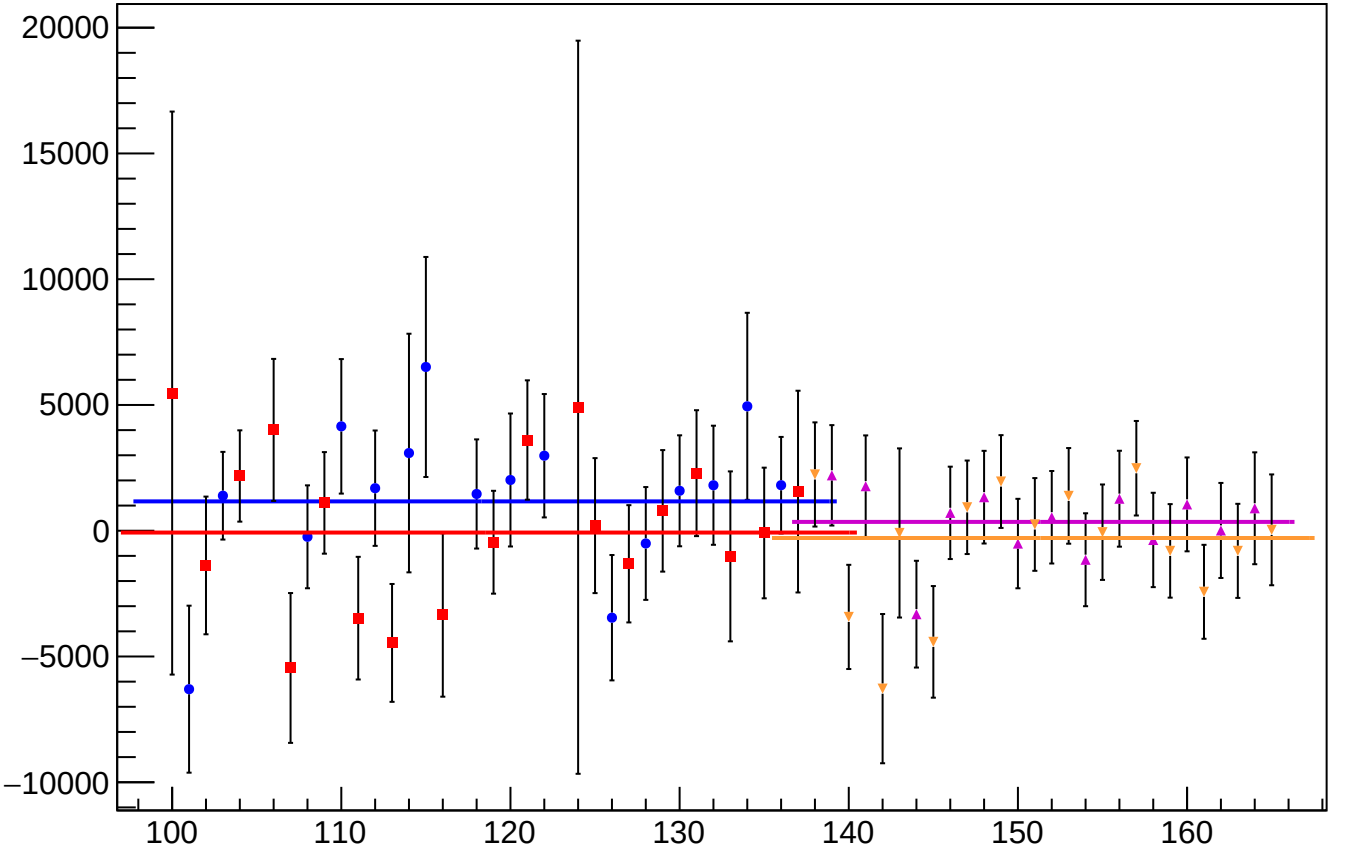
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1014.447+/-0.177 χ^2/NDF:3366453.3/28

Out: 1013.507+/-0.175 χ^2/NDF:4338552.0/33

All: 1013.972+/-0.124 χ^2/NDF: 7705019.5/62

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -289.016+/-523.107 χ^2/NDF:17.8/14

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 351.073+/-531.255 χ^2/NDF:6.2/12

Left: 26.083+/-372.740 χ^2/NDF: 24.7/27

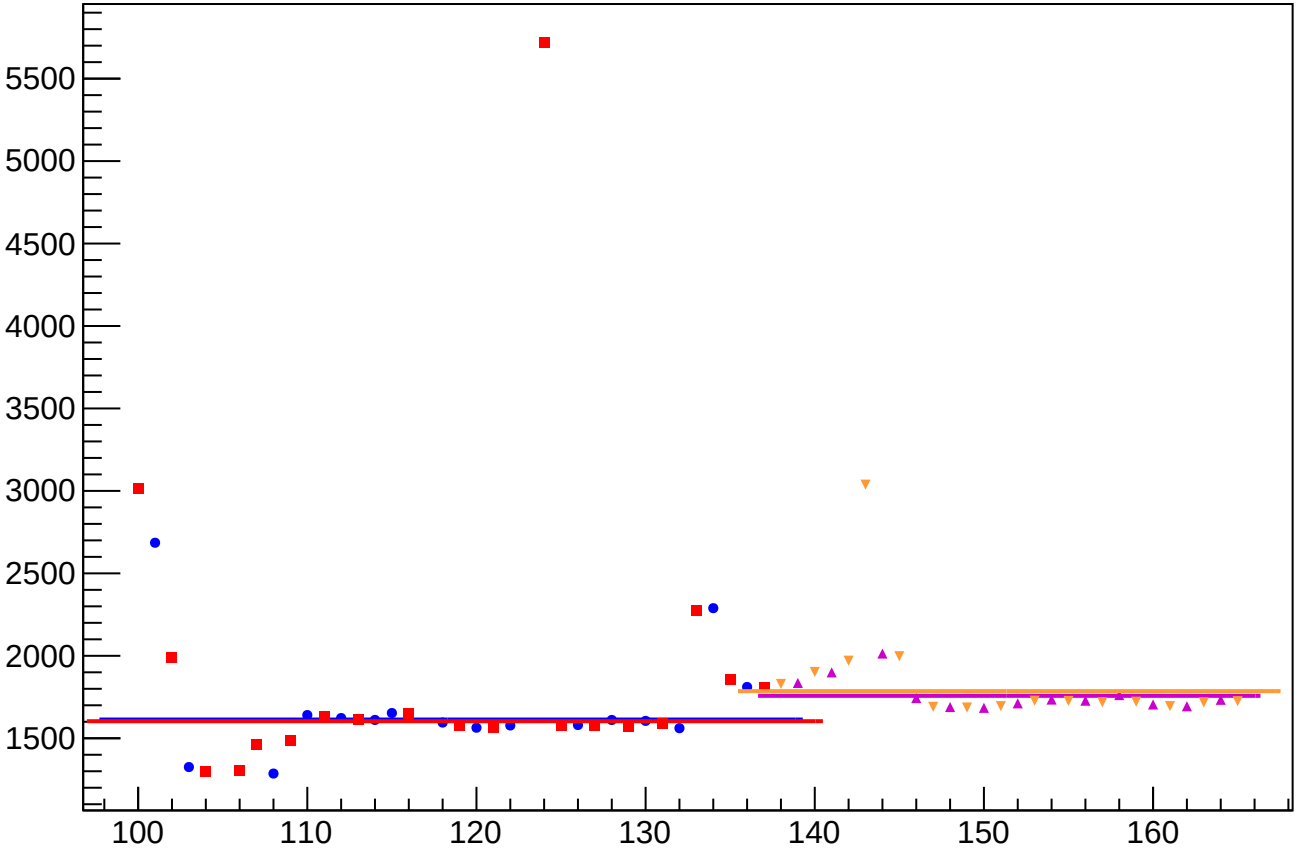
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 703.450+/-400.386 χ^2/NDF:21.6/28

Out: -196.105+/-395.243 χ^2/NDF:36.1/33

All: 247.858+/-281.280 χ^2/NDF: 60.3/62

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

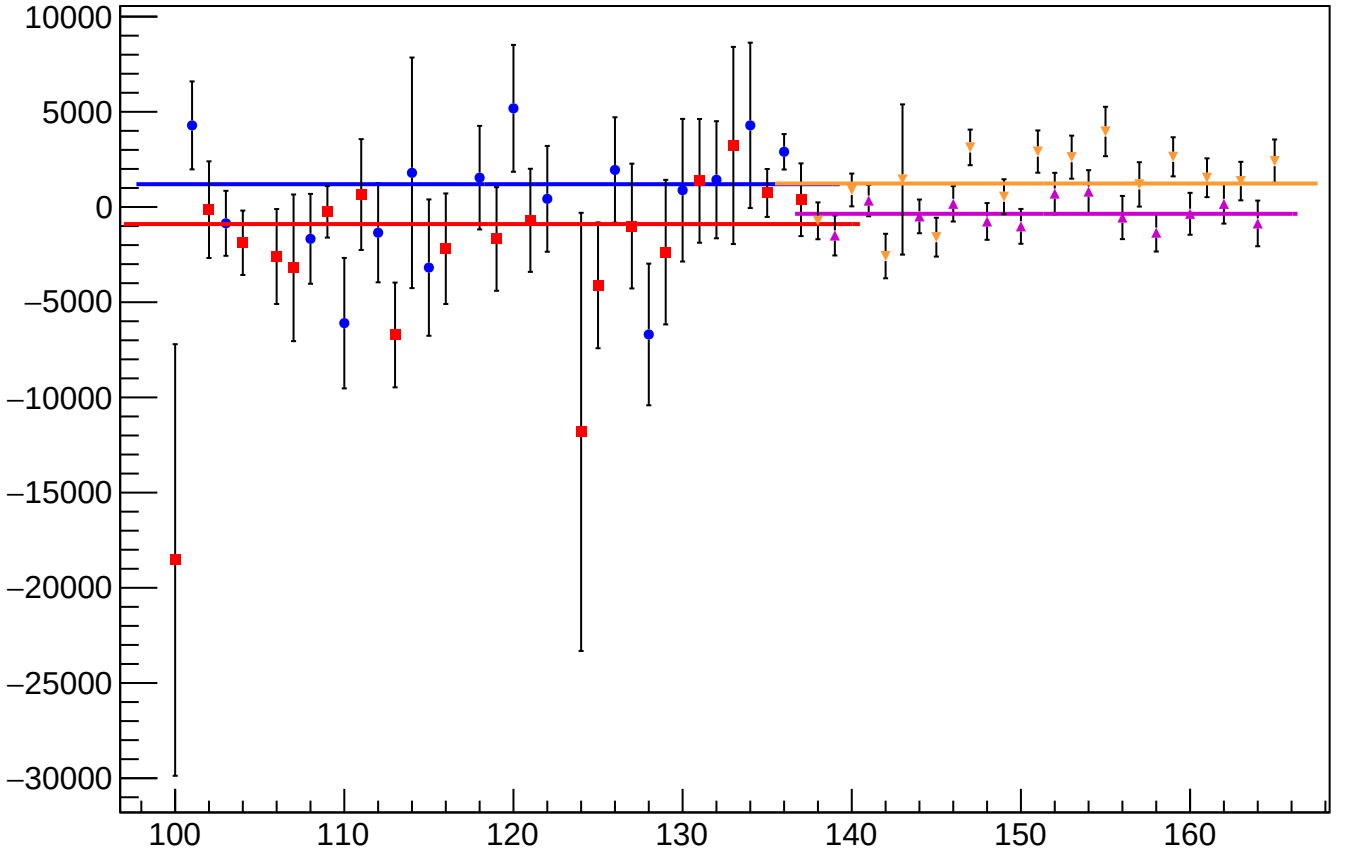
Left: 1771.814+/-0.264 χ^2/NDF: 401351.9/27

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.286+/-0.283 χ^2/NDF:522287.1/28

Out: 1707.574+/-0.279 χ^2/NDF:874136.6/33

All: 1701.510+/-0.199 χ^2/NDF: 1397377.8/62



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1234.660+/-276.402 χ^2/NDF:38.4/14

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.350+/-277.676 χ^2/NDF:6.4/12

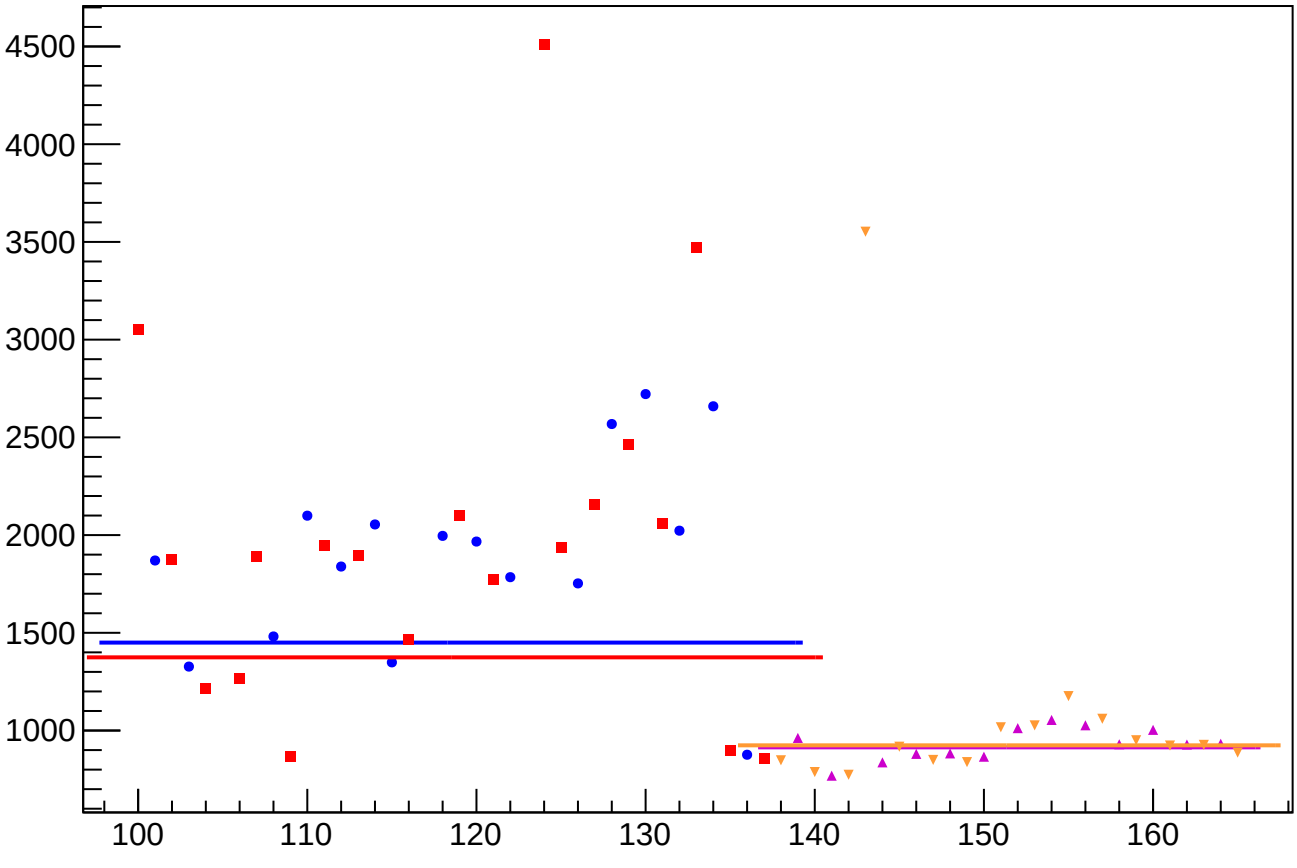
Left: 442.813+/-195.895 χ^2/NDF: 61.3/27

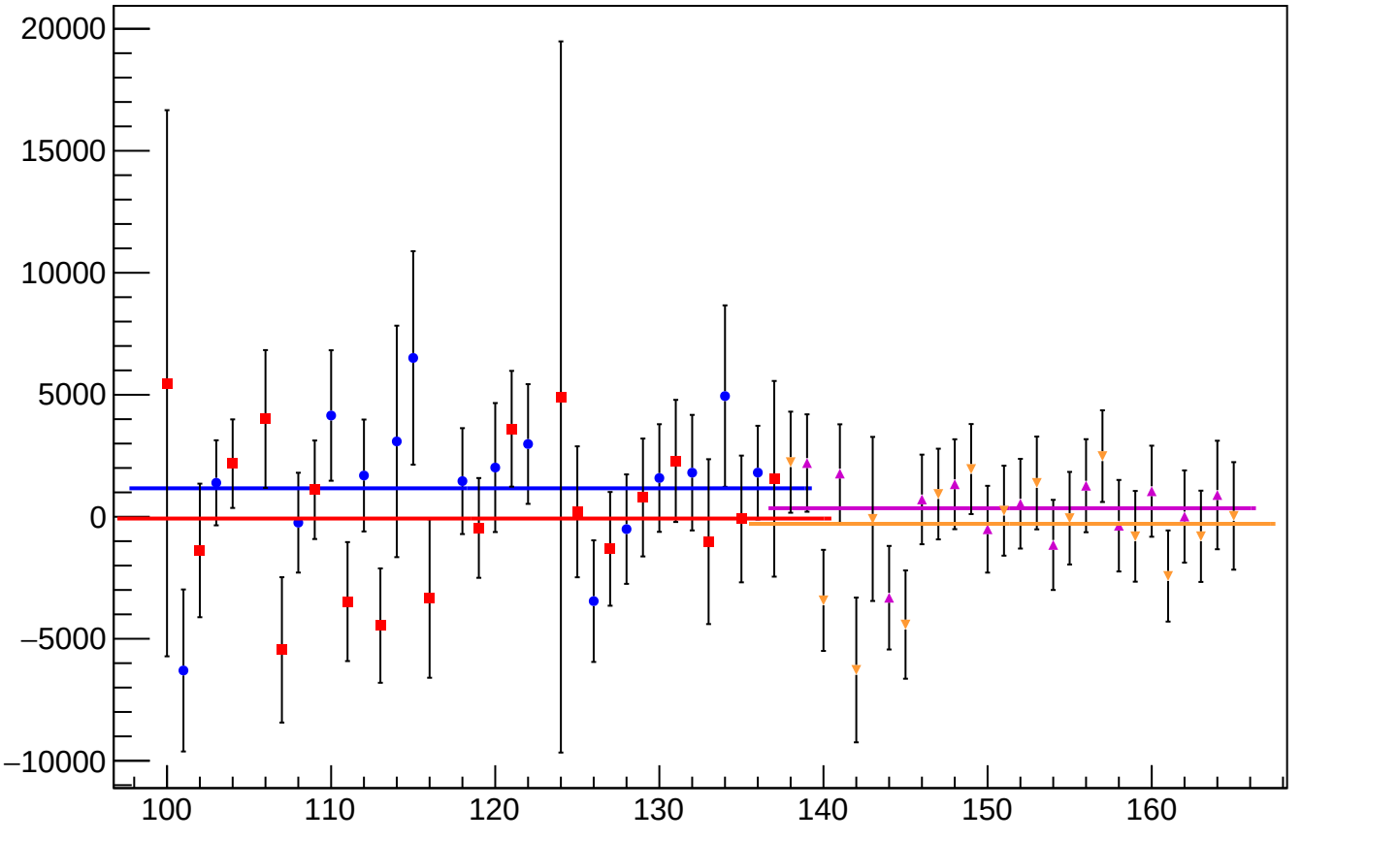
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

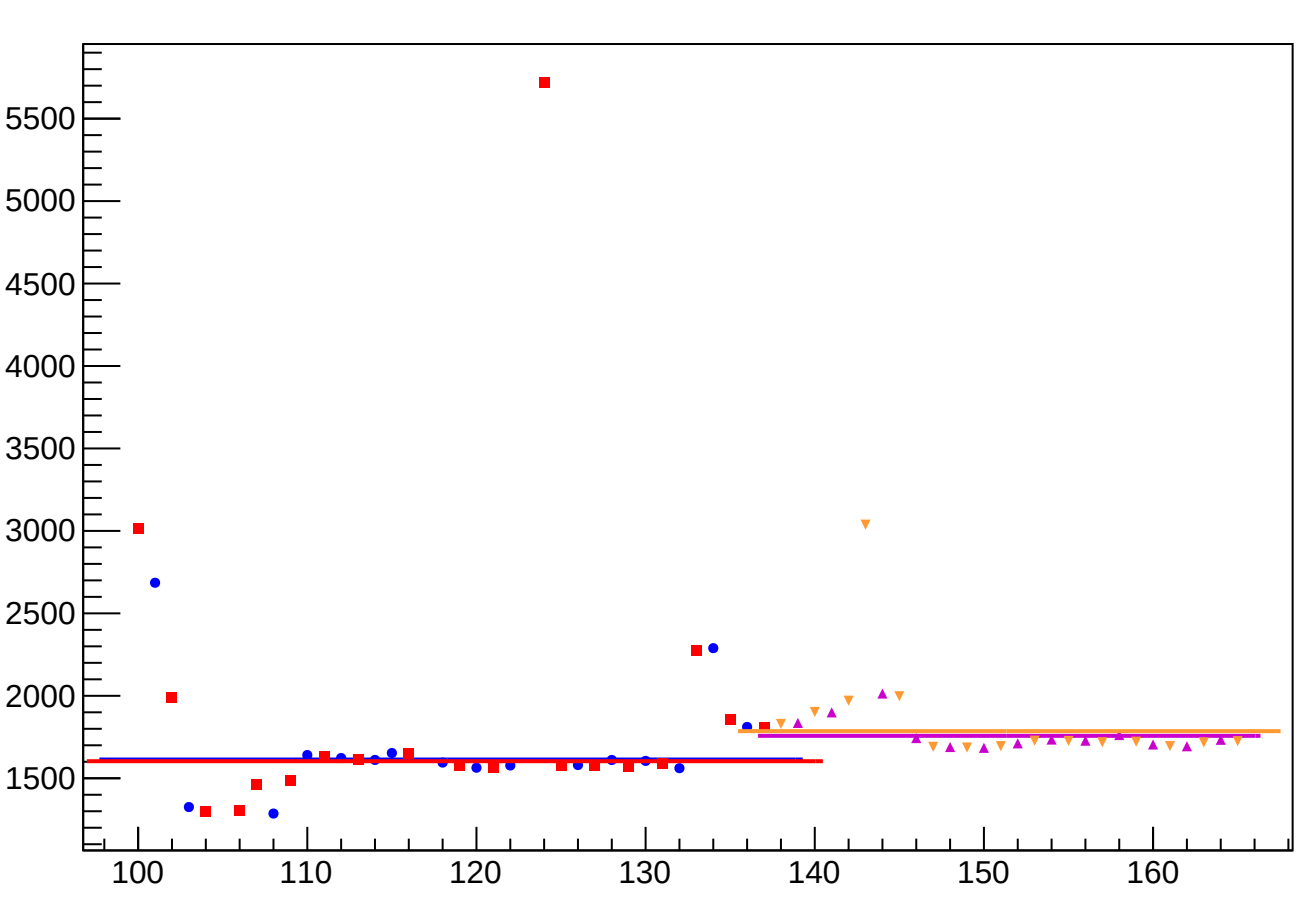
In: -65.019+/-250.311 χ^2/NDF:34.0/28

Out: 813.362+/-247.564 χ^2/NDF:64.4/33

All: 379.017+/-176.017 χ^2/NDF: 104.6/62


asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 924.282+/-0.195 χ²/NDF:1150018.4/14
Right Out: 1374.438+/-0.394 χ²/NDF: 2127695.6/18
Left In: 913.916+/-0.196 χ²/NDF:173499.4/12
Left: 919.123+/-0.139 χ²/NDF: 1324917.8/27
Right: 1410.753+/-0.284 χ²/NDF: 3938065.4/34
In: 1014.360+/-0.177 χ²/NDF:3362740.8/28
Out: 1013.314+/-0.175 χ²/NDF:4326913.6/33
All: 1013.832+/-0.124 χ²/NDF: 7689672.1/62


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -289.016+/-523.107 χ²/NDF:17.8/14
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 351.073+/-531.255 χ²/NDF:6.2/12
Left: 26.083+/-372.740 χ²/NDF: 24.7/27
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 703.450+/-400.386 χ²/NDF:21.6/28
Out: -196.105+/-395.243 χ²/NDF:36.1/33
All: 247.858+/-281.280 χ²/NDF: 60.3/62



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

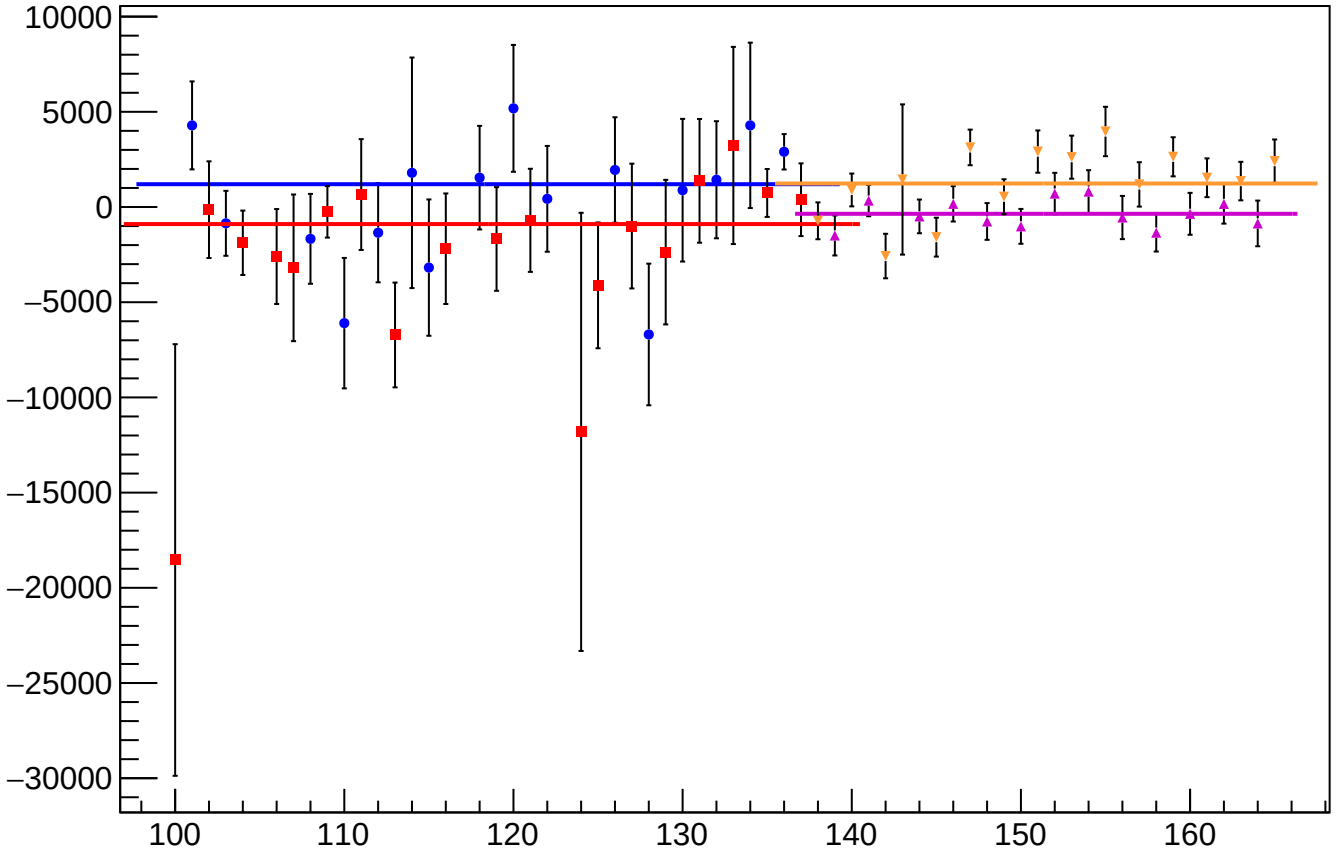
Left: 1771.814+/-0.264 χ^2/NDF: 401351.9/27

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.286+/-0.283 χ^2/NDF:522287.1/28

Out: 1707.574+/-0.279 χ^2/NDF:874136.6/33

All: 1701.510+/-0.199 χ^2/NDF: 1397377.8/62



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1234.660+/-276.402 χ^2/NDF:38.4/14

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.350+/-277.676 χ^2/NDF:6.4/12

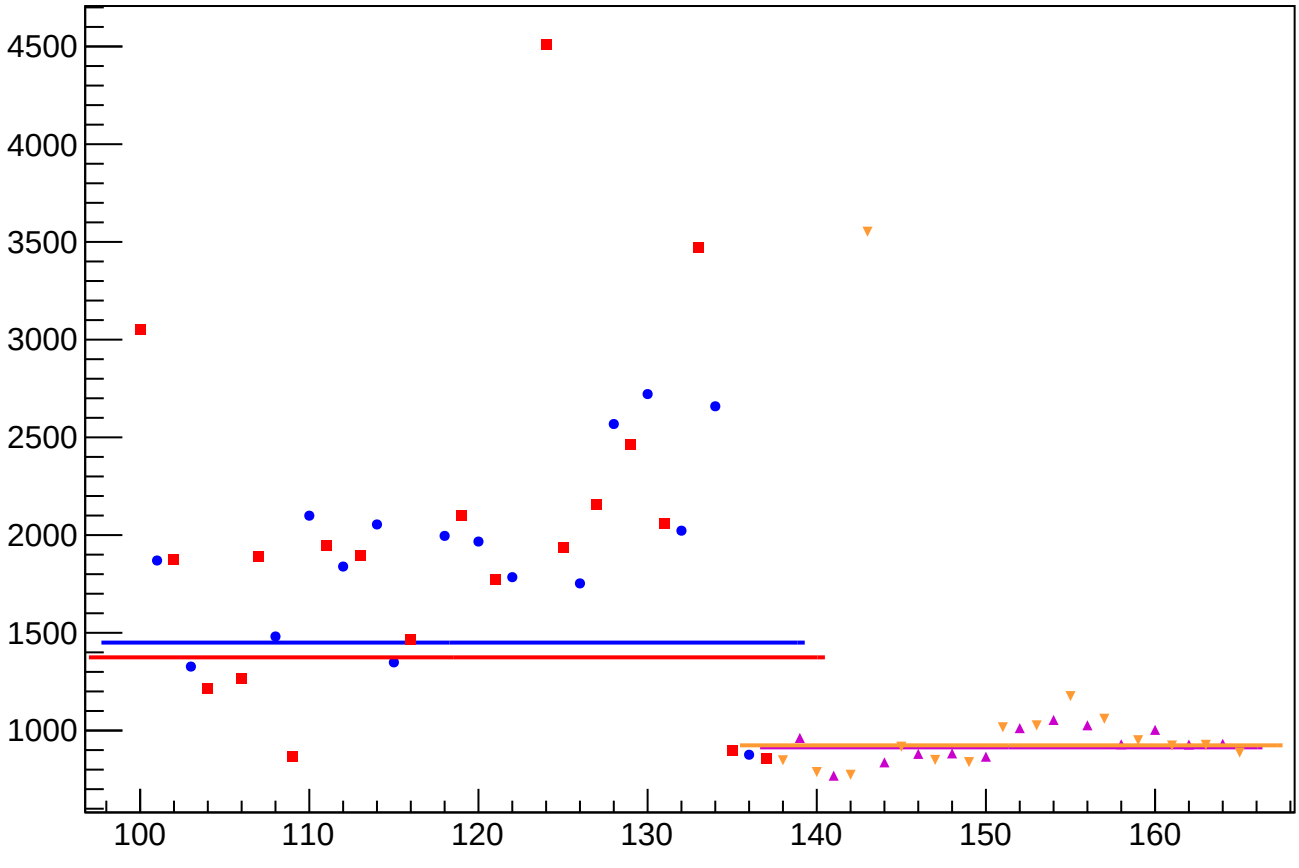
Left: 442.813+/-195.895 χ^2/NDF: 61.3/27

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -65.019+/-250.311 χ^2/NDF:34.0/28

Out: 813.362+/-247.564 χ^2/NDF:64.4/33

All: 379.017+/-176.017 χ^2/NDF: 104.6/62



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.282+/-0.195 χ^2/NDF:1150018.4/14

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

Left: 919.123+/-0.139 χ^2/NDF: 1324917.8/27

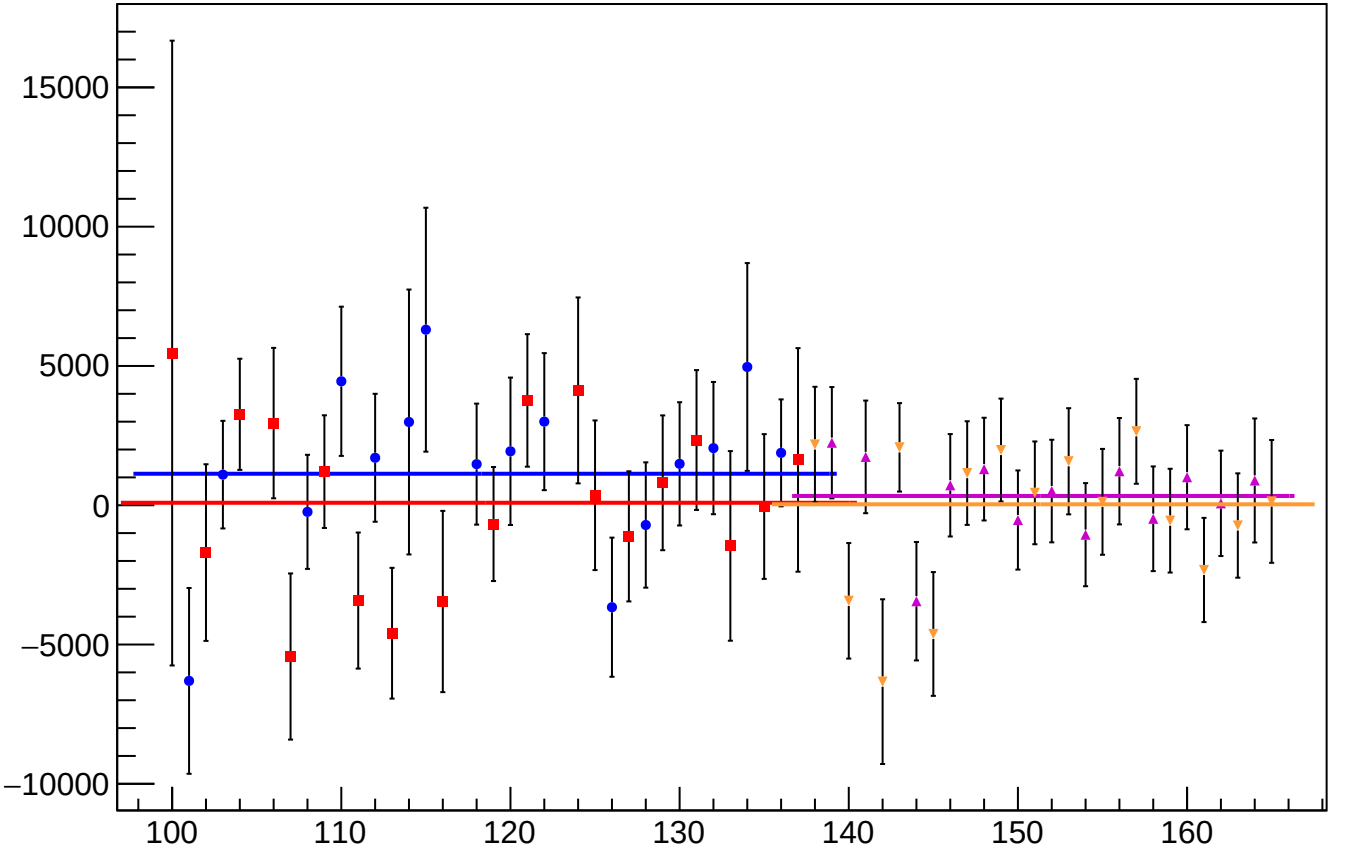
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1014.360+/-0.177 χ^2/NDF:3362740.8/28

Out: 1013.314+/-0.175 χ^2/NDF:4326913.6/33

All: 1013.832+/-0.124 χ^2/NDF: 7689672.1/62

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 33.902+/-502.887 χ^2/NDF:20.5/14

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 333.062+/-531.966 χ^2/NDF:6.3/12

Left: 175.082+/-365.442 χ^2/NDF: 27.0/27

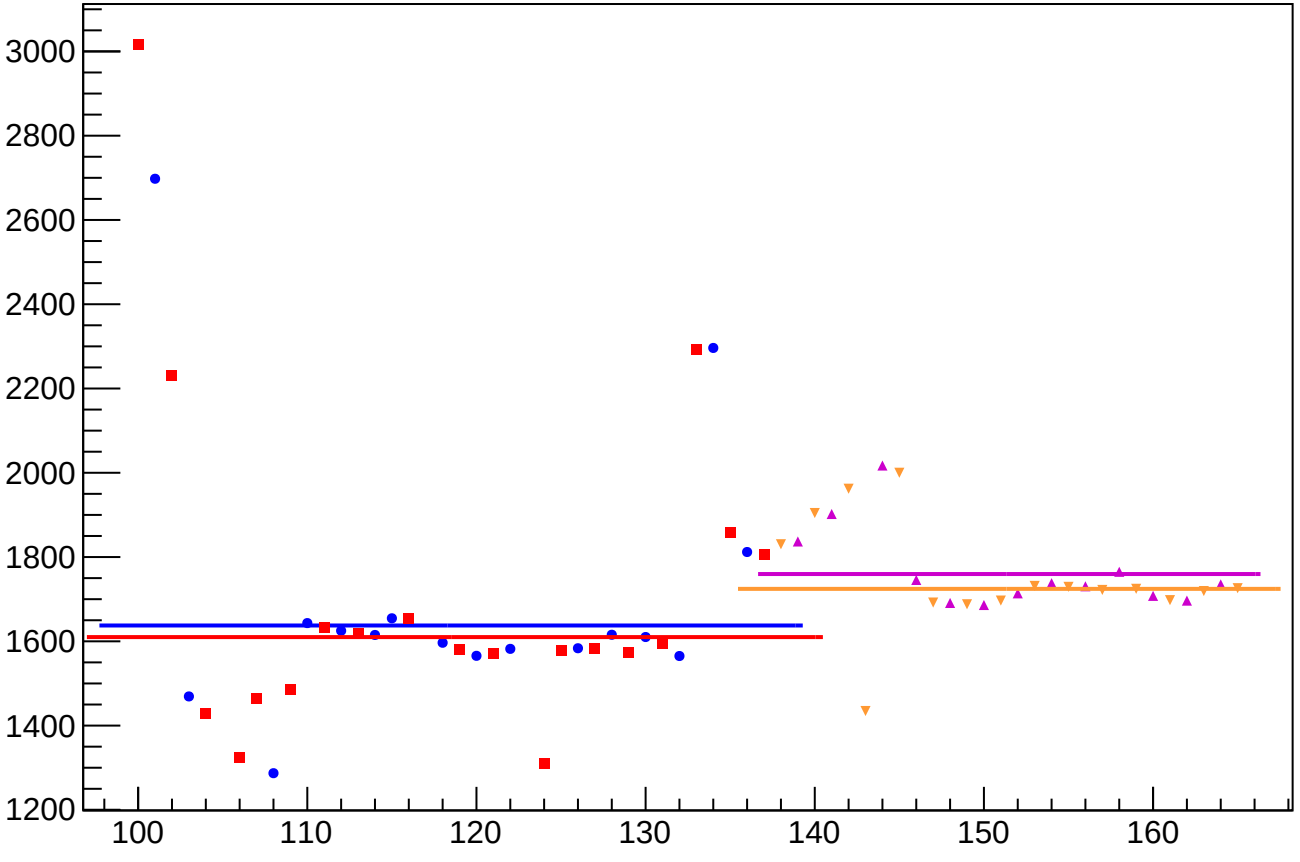
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 673.032+/-402.959 χ^2/NDF:22.2/28

Out: 56.591+/-386.225 χ^2/NDF:41.2/33

All: 351.746+/-278.831 χ^2/NDF: 64.7/62

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.498+/-0.356 χ^2/NDF:132942.7/14

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1759.694+/-0.376 χ^2/NDF:54565.6/12

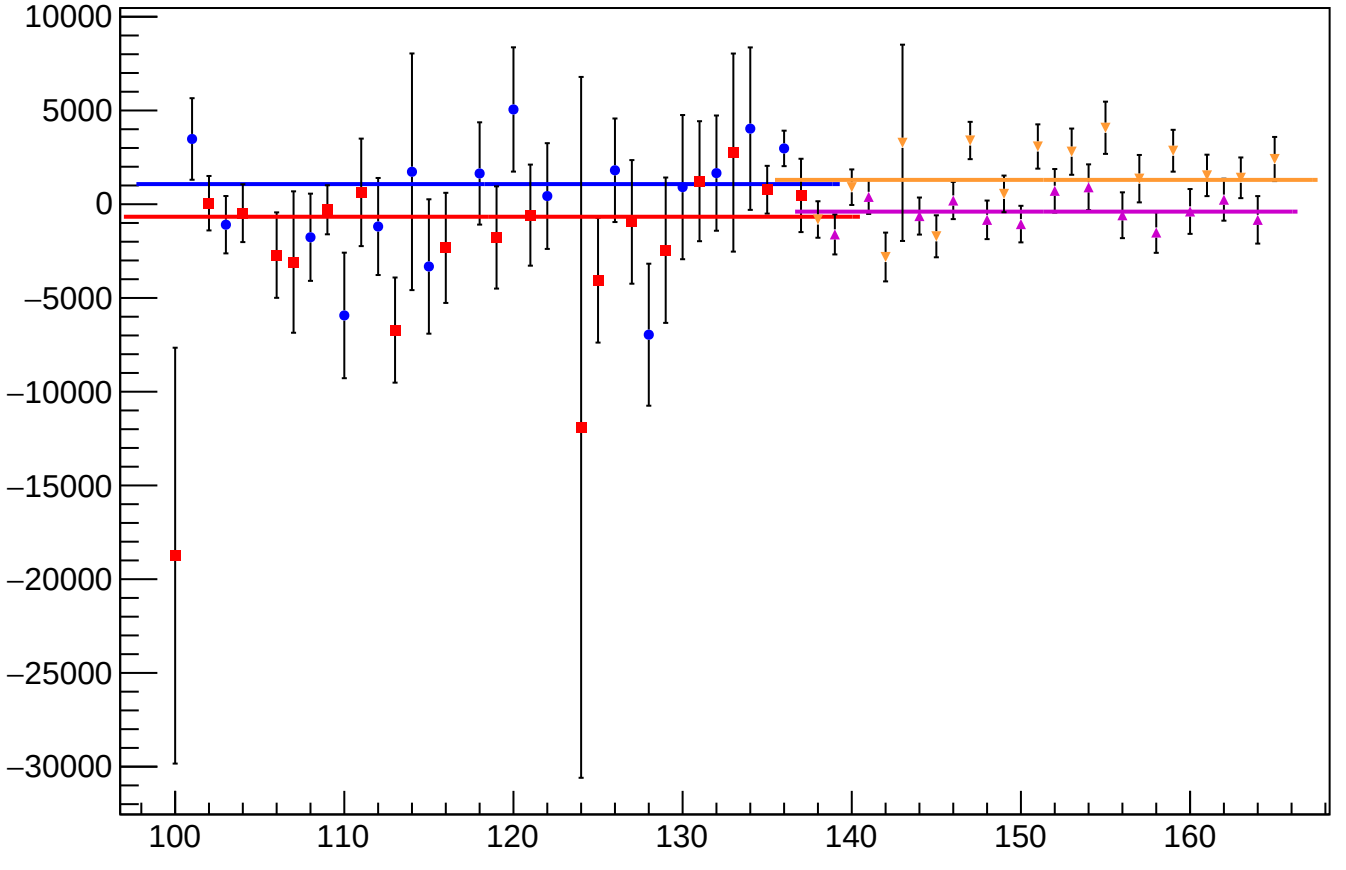
Left: 1741.108+/-0.258 χ^2/NDF: 192131.6/27

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.646+/-0.285 χ^2/NDF:460904.6/28

Out: 1677.554+/-0.273 χ^2/NDF:456246.7/33

All: 1691.962+/-0.197 χ^2/NDF: 922964.2/62



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1298.217+/-296.747 χ^2/NDF:37.9/14

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -394.831+/-299.191 χ^2/NDF:6.7/12

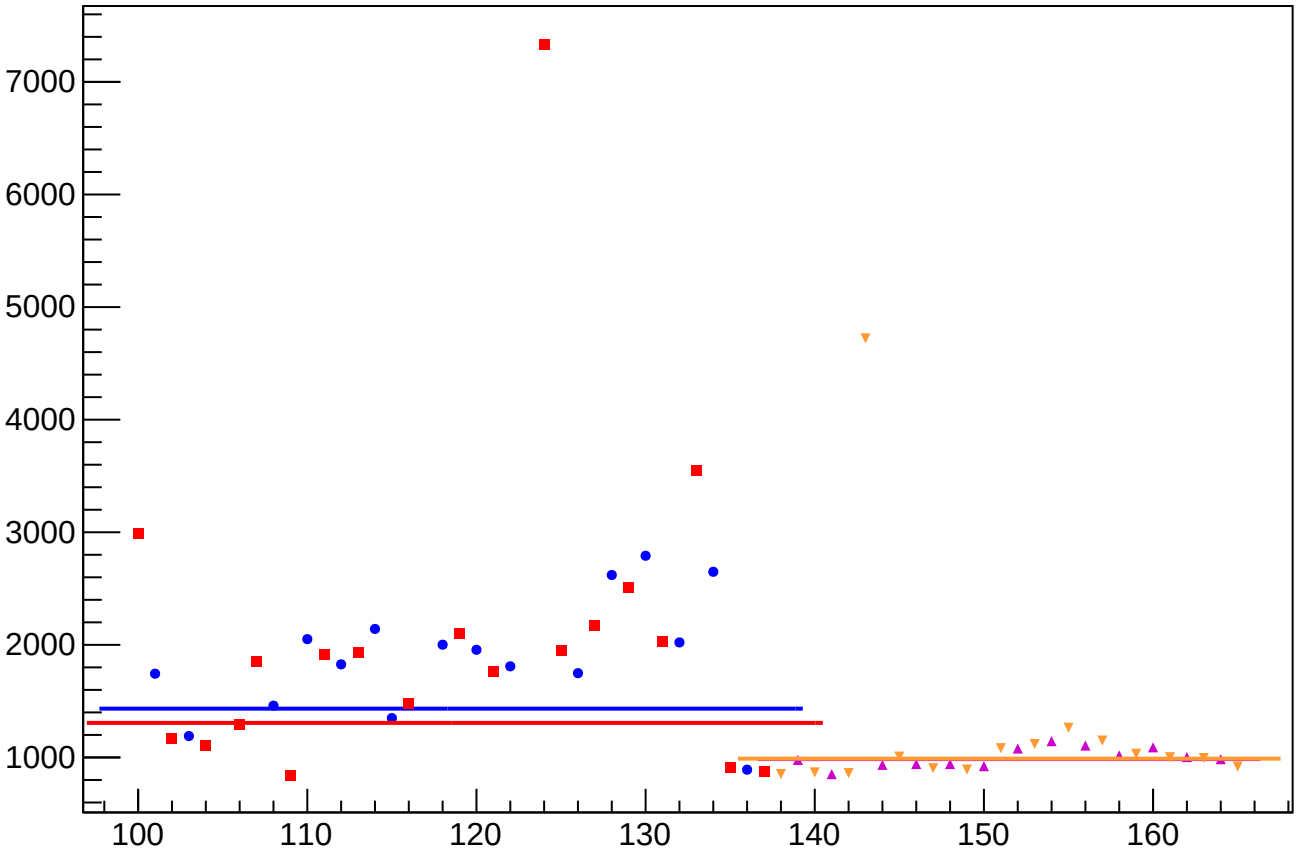
Left: 458.636+/-210.691 χ^2/NDF: 60.7/27

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -79.044+/-265.075 χ^2/NDF:33.9/28

Out: 820.091+/-258.153 χ^2/NDF:62.1/33

All: 382.416+/-184.941 χ^2/NDF: 101.9/62



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 989.460+/-0.210 χ^2/NDF:1298216.9/14

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 985.339+/-0.212 χ^2/NDF:148288.8/12

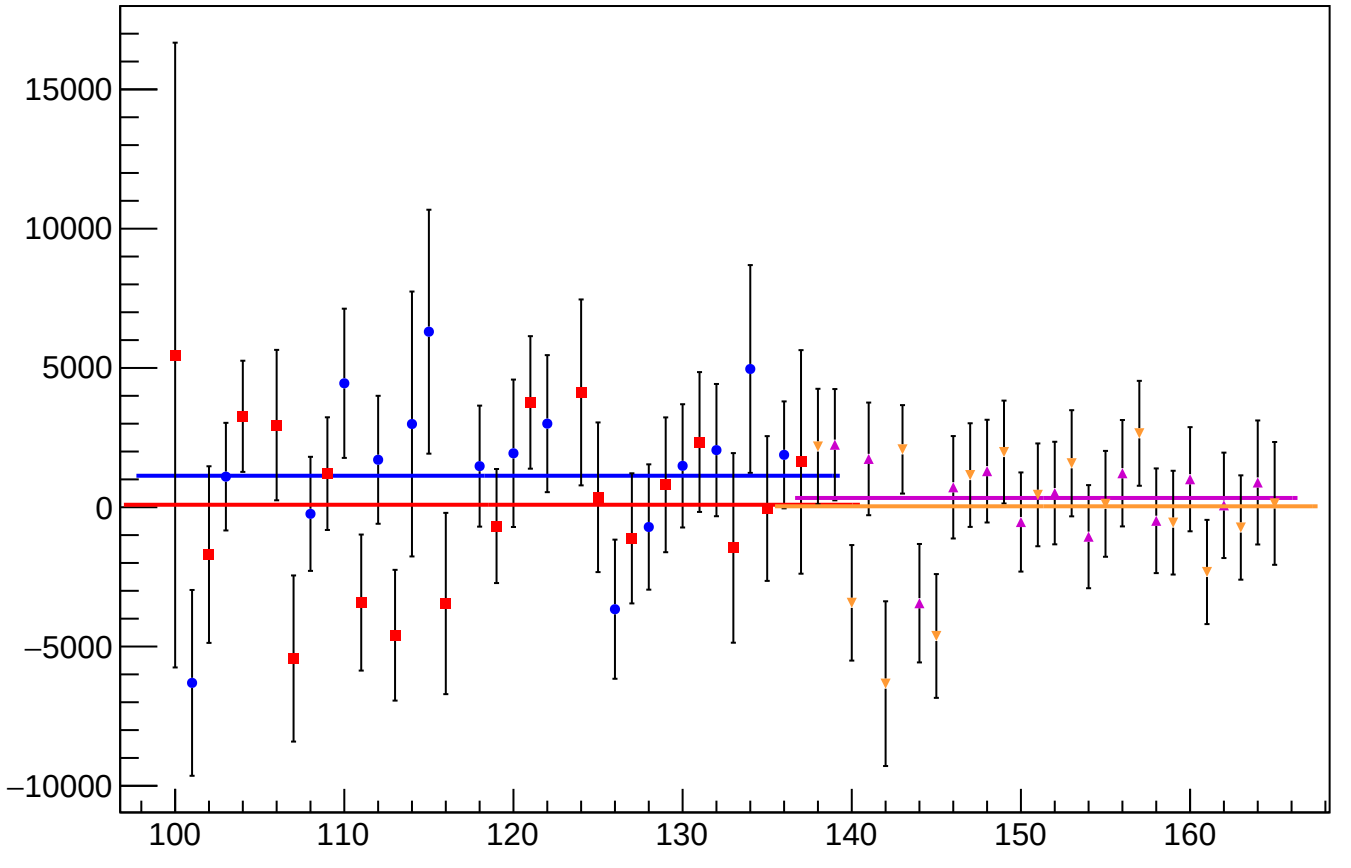
Left: 987.417+/-0.149 χ^2/NDF: 1446697.0/27

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1081.711+/-0.187 χ^2/NDF:2876712.7/28

Out: 1066.653+/-0.183 χ^2/NDF:4038600.3/33

All: 1073.983+/-0.131 χ^2/NDF: 6918625.6/62



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 33.894+/-502.887 χ^2/NDF:20.5/14

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 333.063+/-531.966 χ^2/NDF:6.3/12

Left: 175.078+/-365.442 χ^2/NDF: 27.0/27

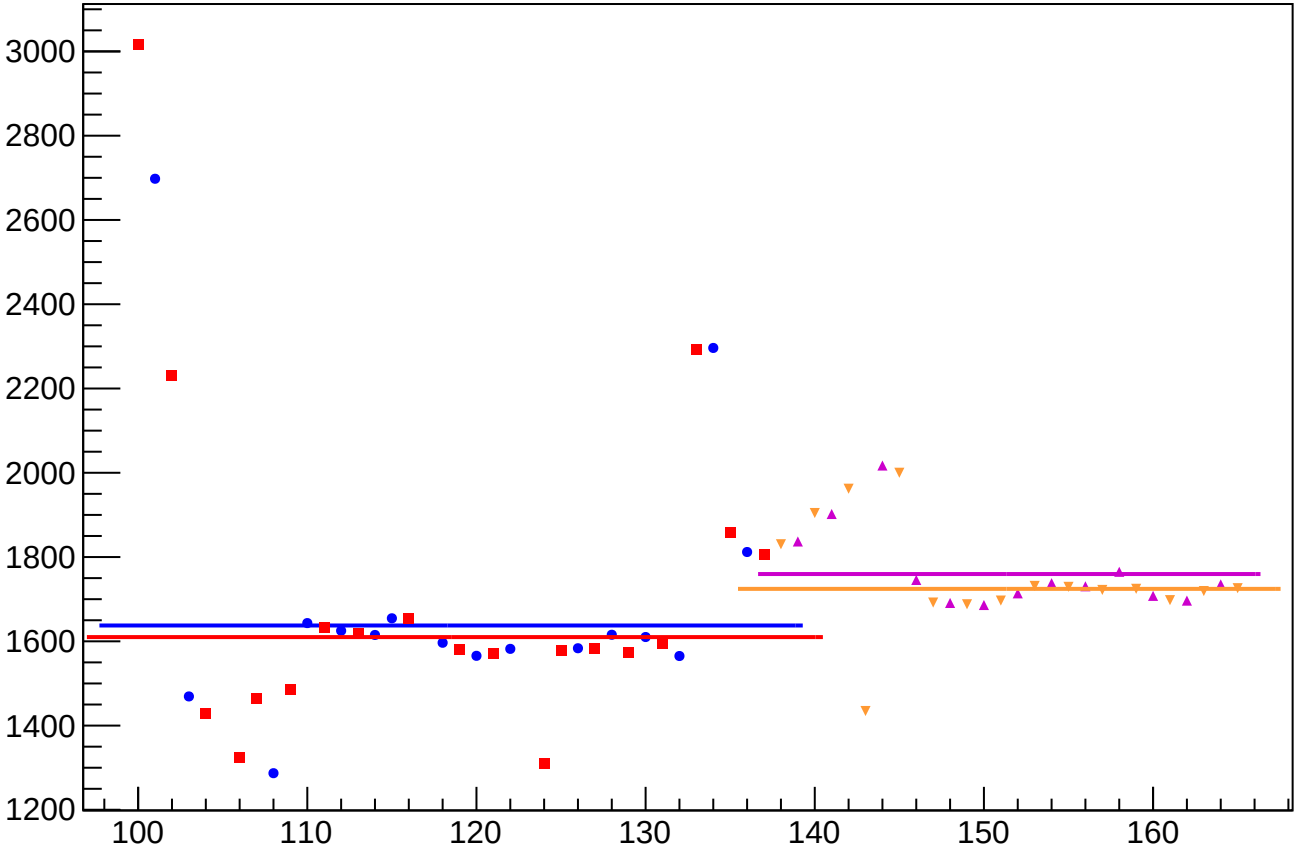
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 673.033+/-402.959 χ^2/NDF:22.2/28

Out: 56.588+/-386.225 χ^2/NDF:41.2/33

All: 351.745+/-278.831 χ^2/NDF: 64.7/62

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.498+/-0.356 χ^2/NDF:132941.6/14

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1759.694+/-0.376 χ^2/NDF:54565.7/12

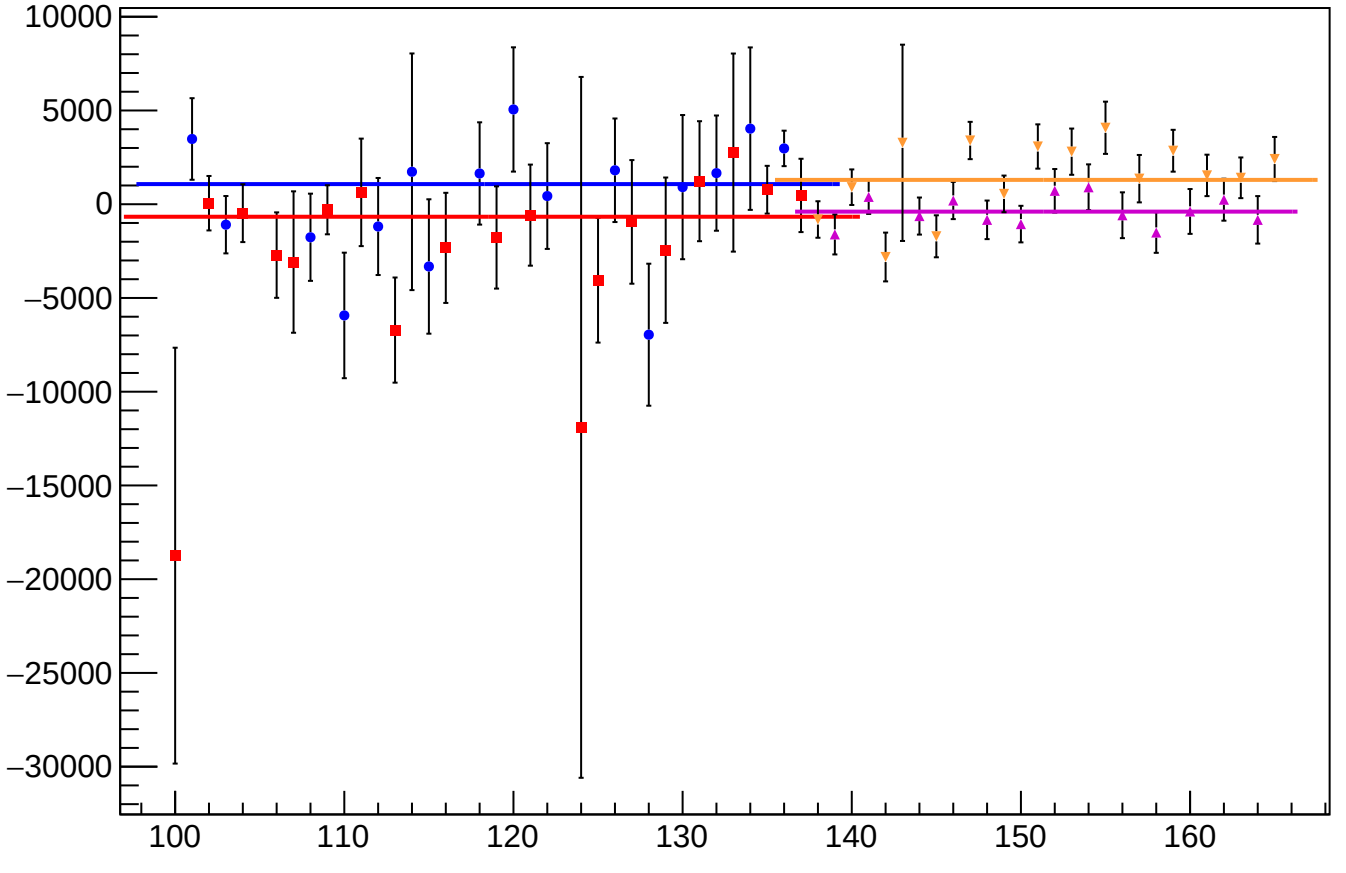
Left: 1741.108+/-0.258 χ^2/NDF: 192130.6/27

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.646+/-0.285 χ^2/NDF:460904.6/28

Out: 1677.554+/-0.273 χ^2/NDF:456246.1/33

All: 1691.962+/-0.197 χ^2/NDF: 922963.5/62



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1298.228+/-296.748 χ^2/NDF:37.9/14

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -394.828+/-299.191 χ^2/NDF:6.7/12

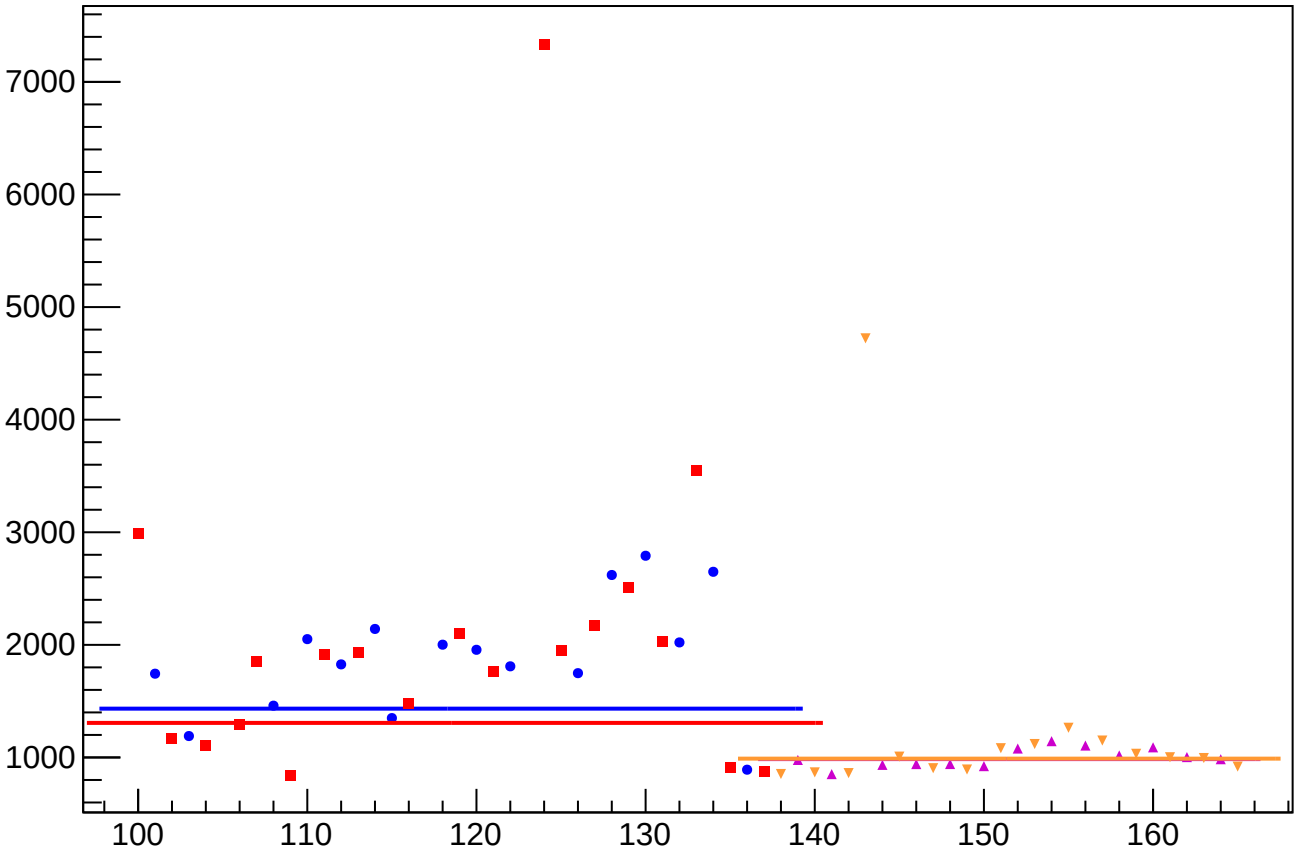
Left: 458.641+/-210.691 χ^2/NDF: 60.7/27

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

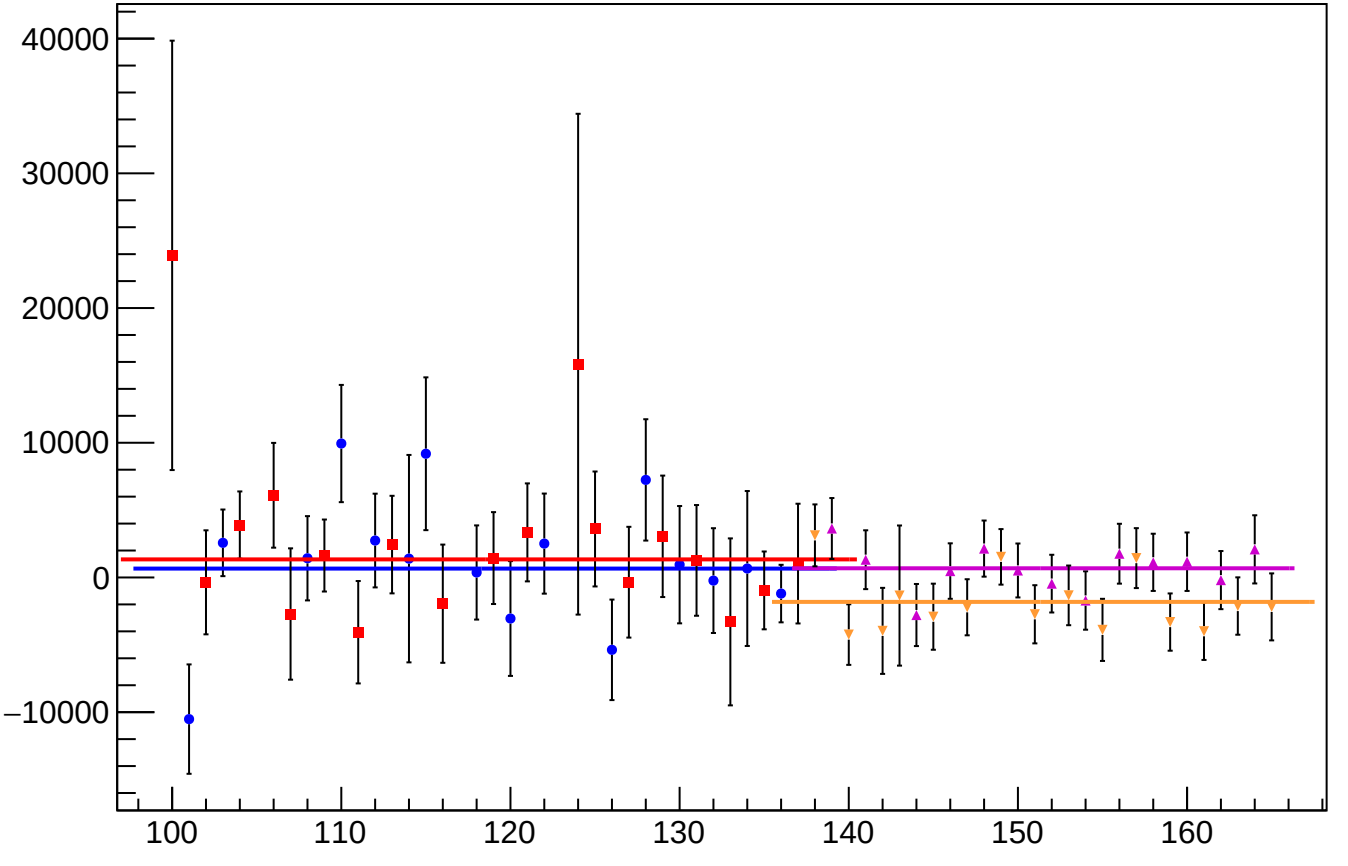
In: -79.048+/-265.076 χ^2/NDF:33.9/28

Out: 820.100+/-258.154 χ^2/NDF:62.1/33

All: 382.418+/-184.941 χ^2/NDF: 101.9/62


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
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 989.463+/-0.210 χ²/NDF:1298195.5/14
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 985.340+/-0.212 χ²/NDF:148290.0/12
Left: 987.418+/-0.149 χ²/NDF: 1446677.0/27
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1081.714+/-0.187 χ²/NDF:2876673.6/28
Out: 1066.658+/-0.183 χ²/NDF:4038537.6/33
All: 1073.987+/-0.131 χ²/NDF: 6918522.8/62

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1812.998+/-598.963 χ^2/NDF:13.9/14

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 681.509+/-603.272 χ^2/NDF:6.9/12

Left: -574.685+/-425.046 χ^2/NDF: 29.4/27

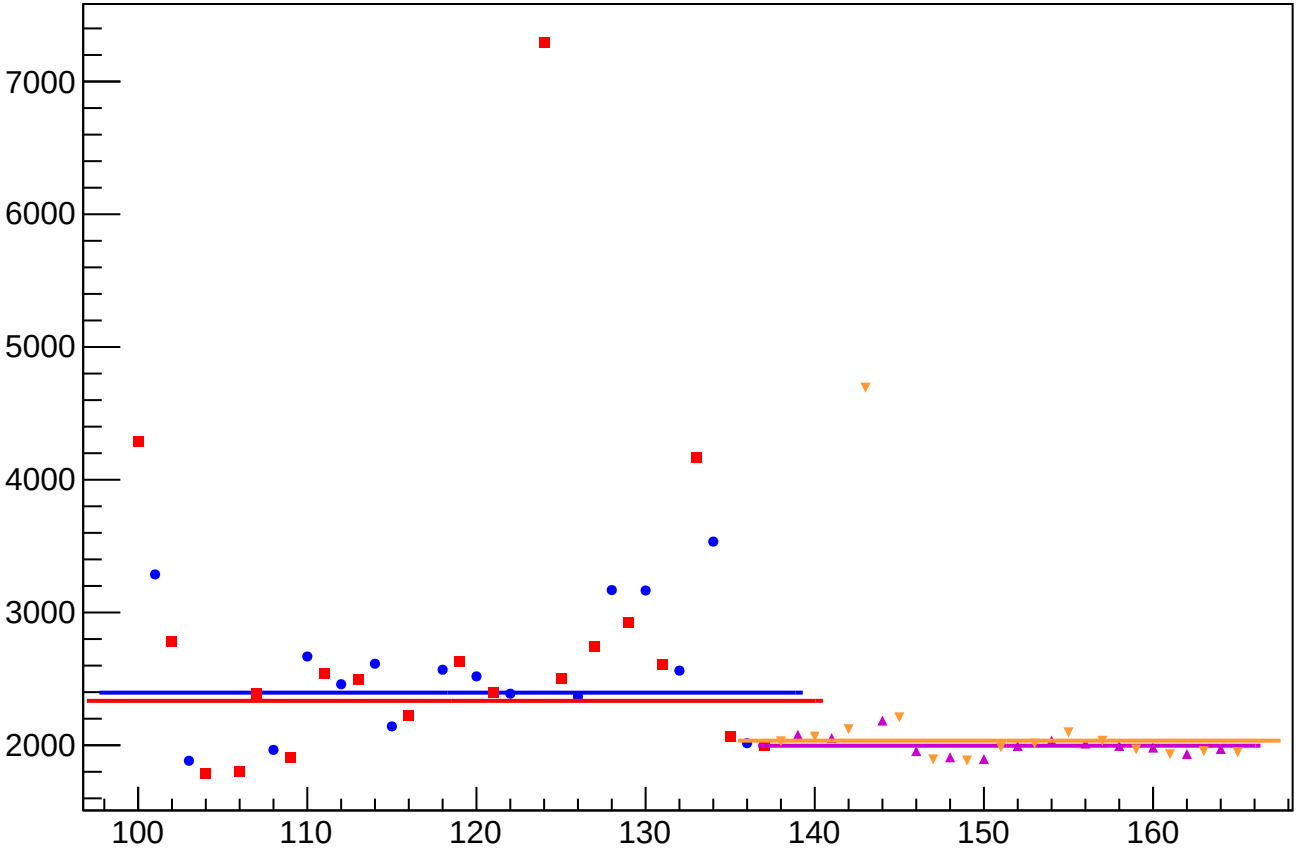
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 674.772+/-502.744 χ^2/NDF:28.9/28

Out: -830.365+/-497.012 χ^2/NDF:33.3/33

All: -86.426+/-353.450 χ^2/NDF: 66.7/62

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2034.620+/-0.424 χ^2/NDF:568953.7/14

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1996.530+/-0.427 χ^2/NDF:29592.4/12

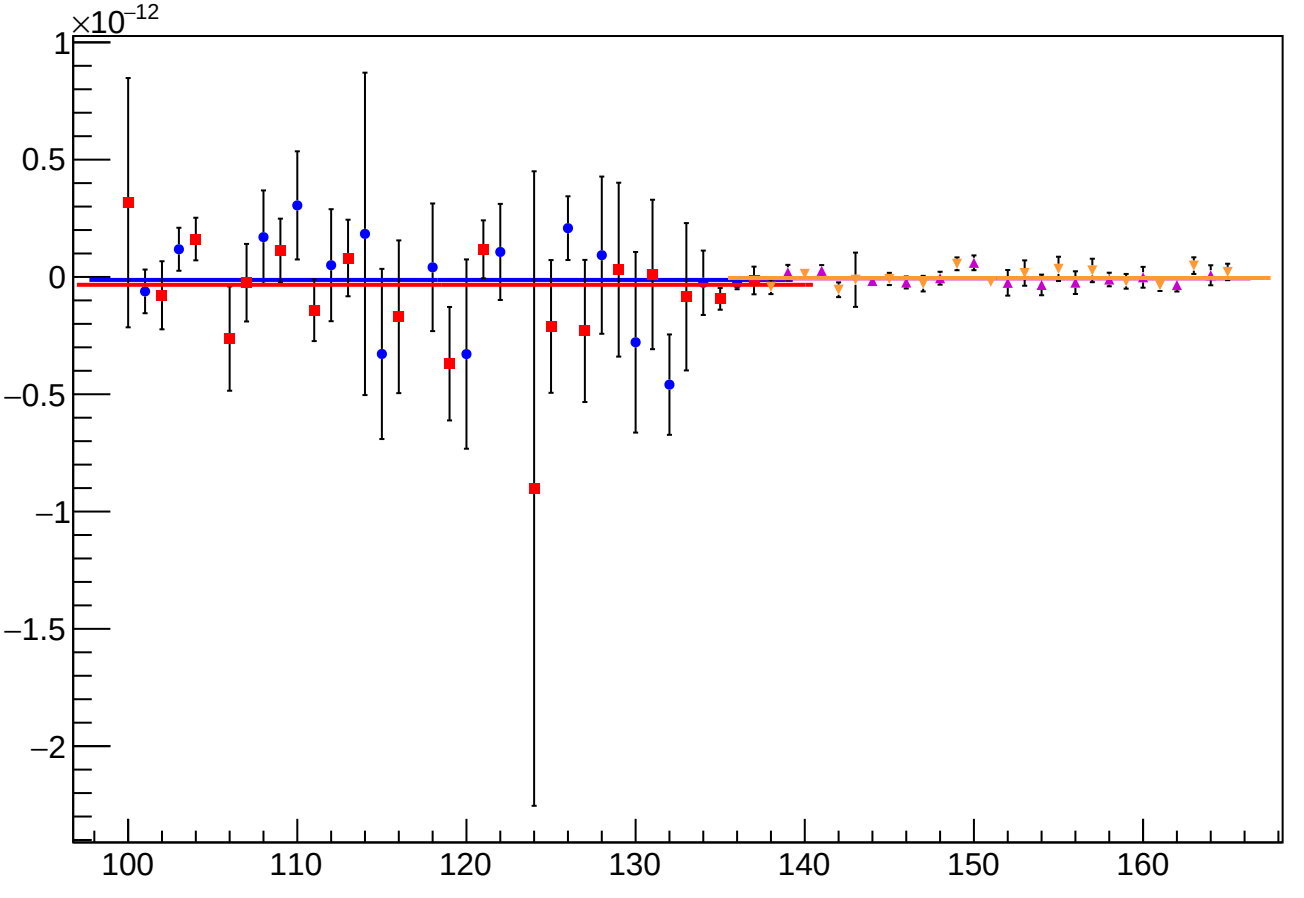
Left: 2015.711+/-0.301 χ^2/NDF: 602561.2/27

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2118.656+/-0.355 χ^2/NDF:805773.2/28

Out: 2128.048+/-0.351 χ^2/NDF:1406761.6/33

All: 2123.406+/-0.250 χ^2/NDF: 2212887.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

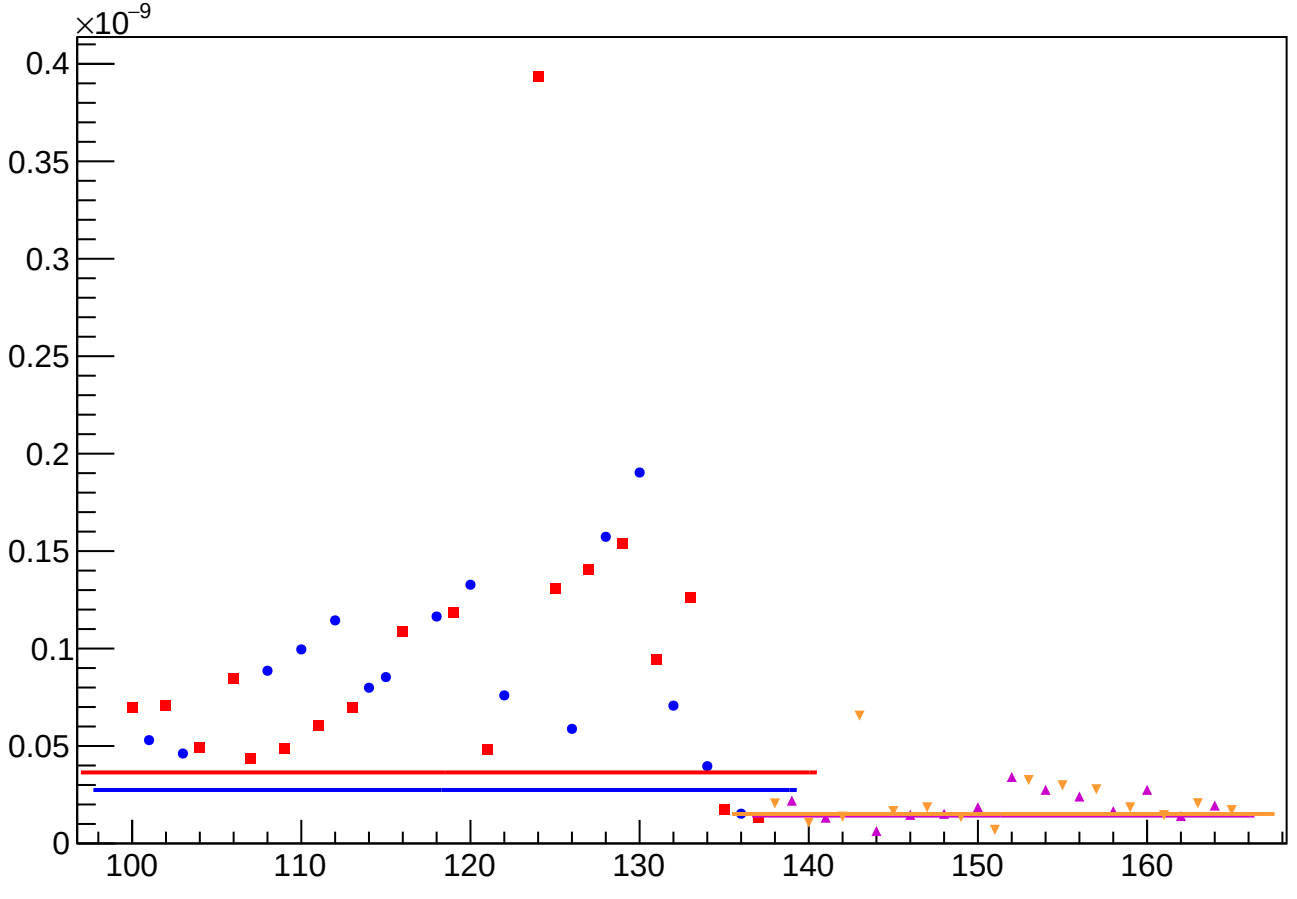
Left: -0.000+/-0.000 χ^2/NDF: 26.5/27

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:24.8/28

Out: -0.000+/-0.000 χ^2/NDF:32.8/33

All: -0.000+/-0.000 χ^2/NDF: 57.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1551027.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1566646.4/12

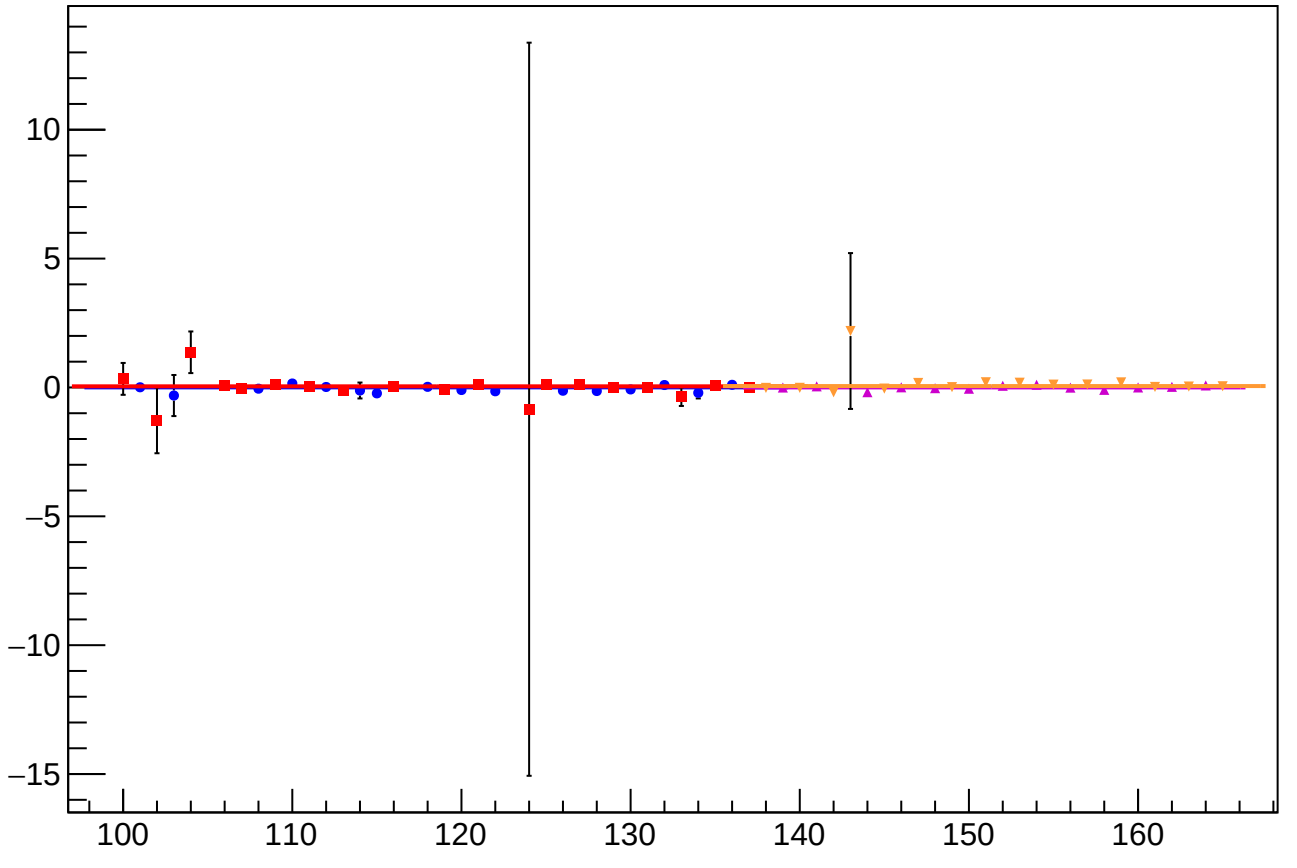
Left: 0.000+/-0.000 χ^2/NDF: 3129327.6/27

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4919826.0/28

Out: 0.000+/-0.000 χ^2/NDF:5071134.4/33

All: 0.000+/-0.000 χ^2/NDF: 10005910.3/62



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

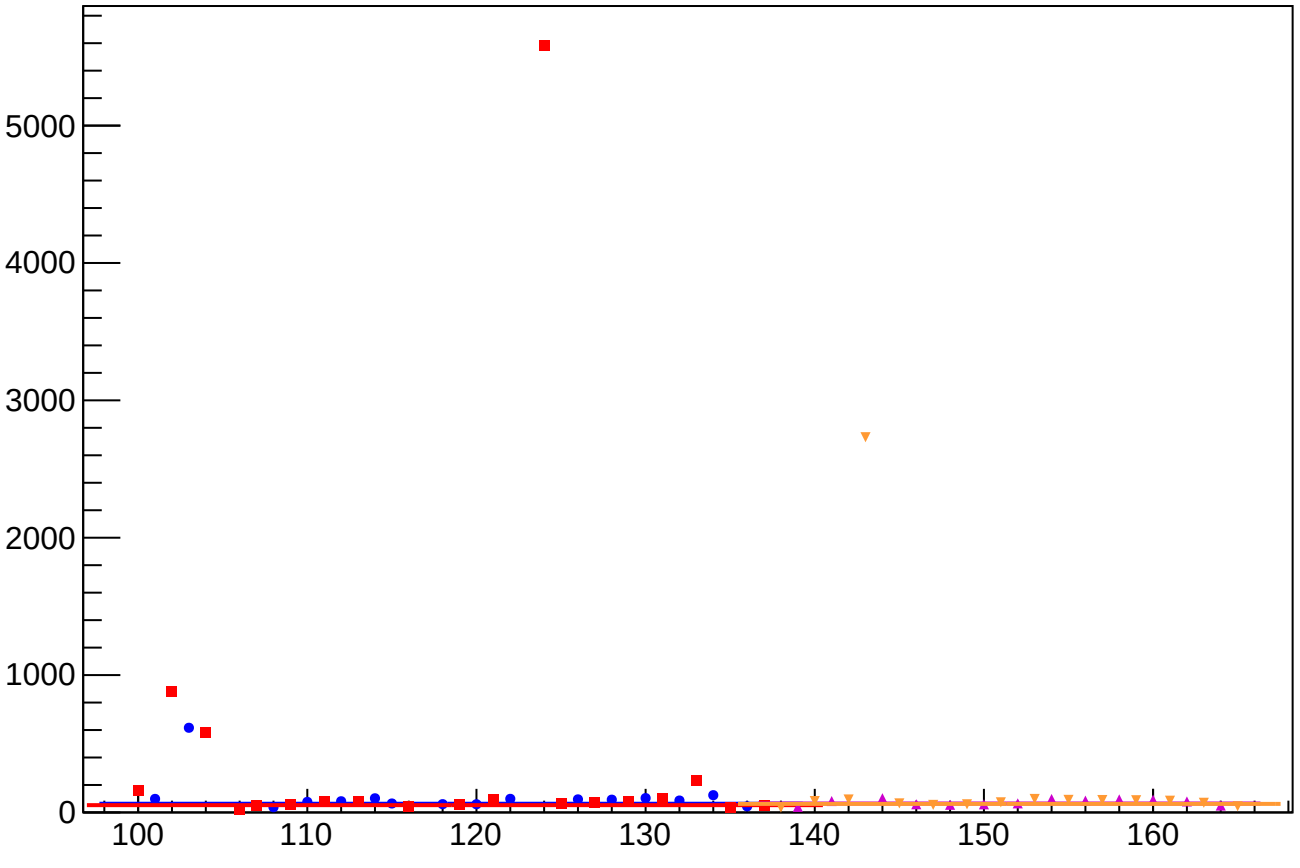
Left: 0.029+/-0.015 χ^2/NDF: 29.8/27

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.027+/-0.012 χ^2/NDF: 57.0/62



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 62.342+/-0.015 χ^2/NDF:3563713.5/14

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

Left: 63.727+/-0.011 χ^2/NDF: 5190720.9/27

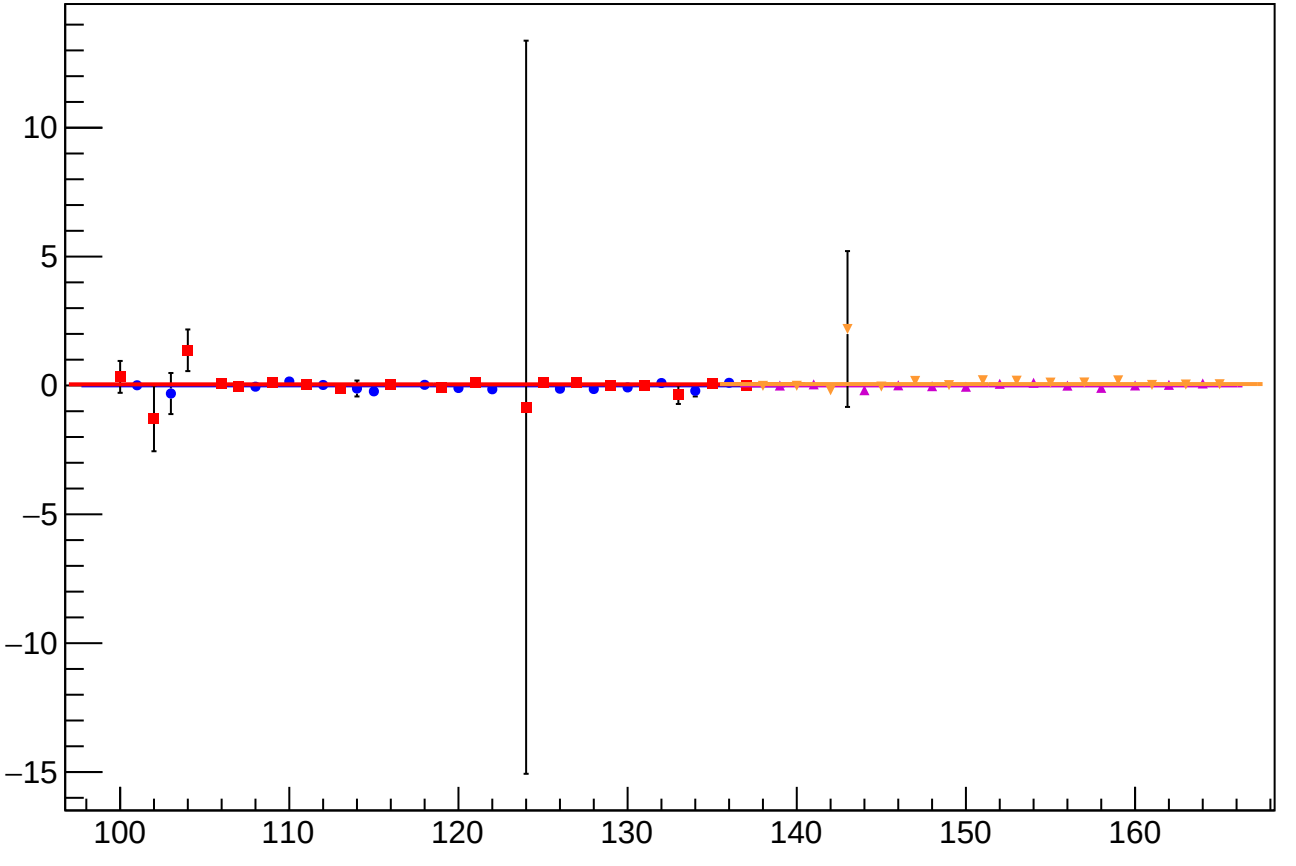
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.546+/-0.012 χ^2/NDF:4058782.0/28

Out: 58.604+/-0.011 χ^2/NDF:7669363.4/33

All: 61.393+/-0.008 χ^2/NDF: 11859490.5/62

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: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

Left: 0.029+/-0.015 χ^2/NDF: 29.8/27

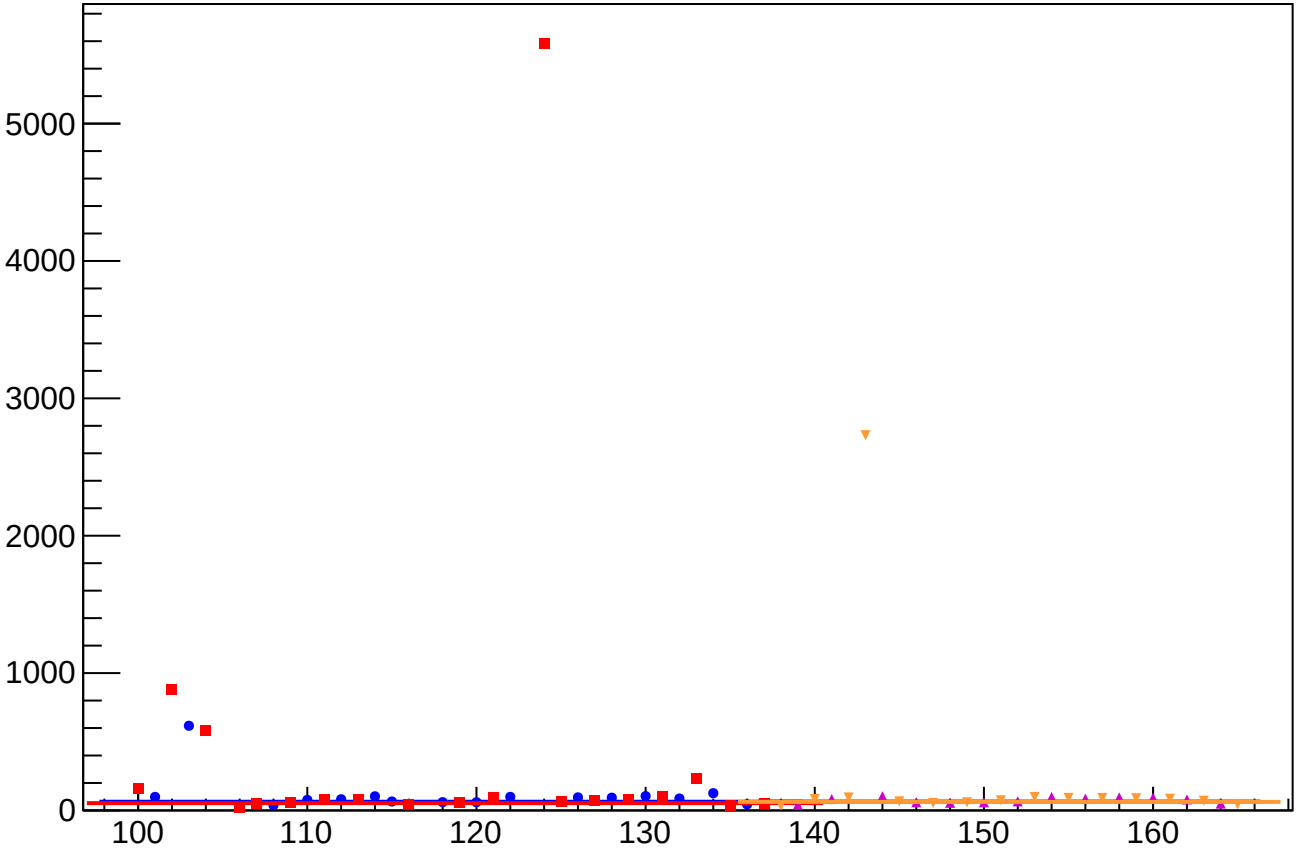
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.027+/-0.012 χ^2/NDF: 57.0/62

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: 62.342+/-0.015 χ^2/NDF:3563713.5/14

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

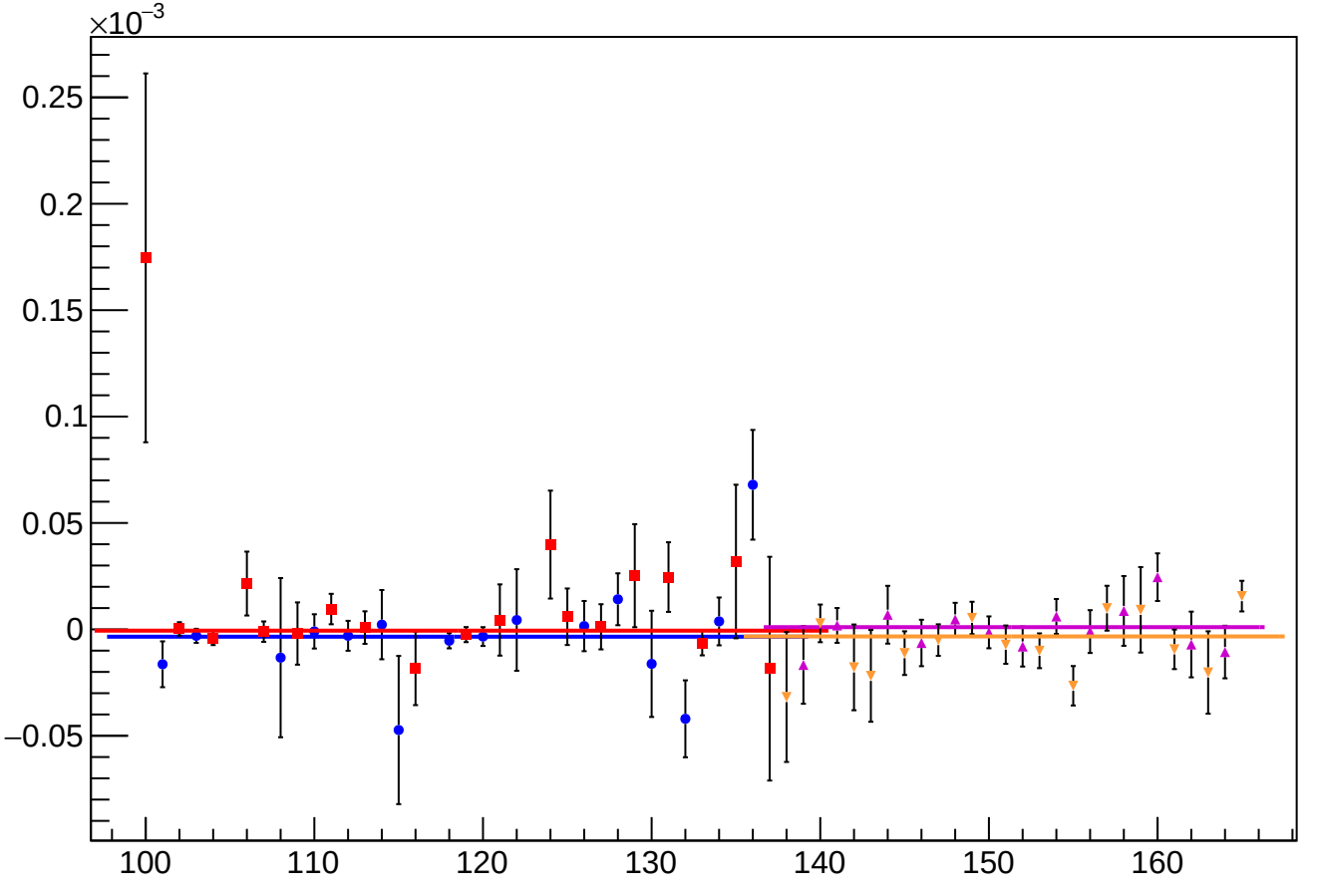
Left: 63.727+/-0.011 χ^2/NDF: 5190720.9/27

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.546+/-0.012 χ^2/NDF:4058782.0/28

Out: 58.604+/-0.011 χ^2/NDF:7669363.4/33

All: 61.393+/-0.008 χ^2/NDF: 11859490.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/12

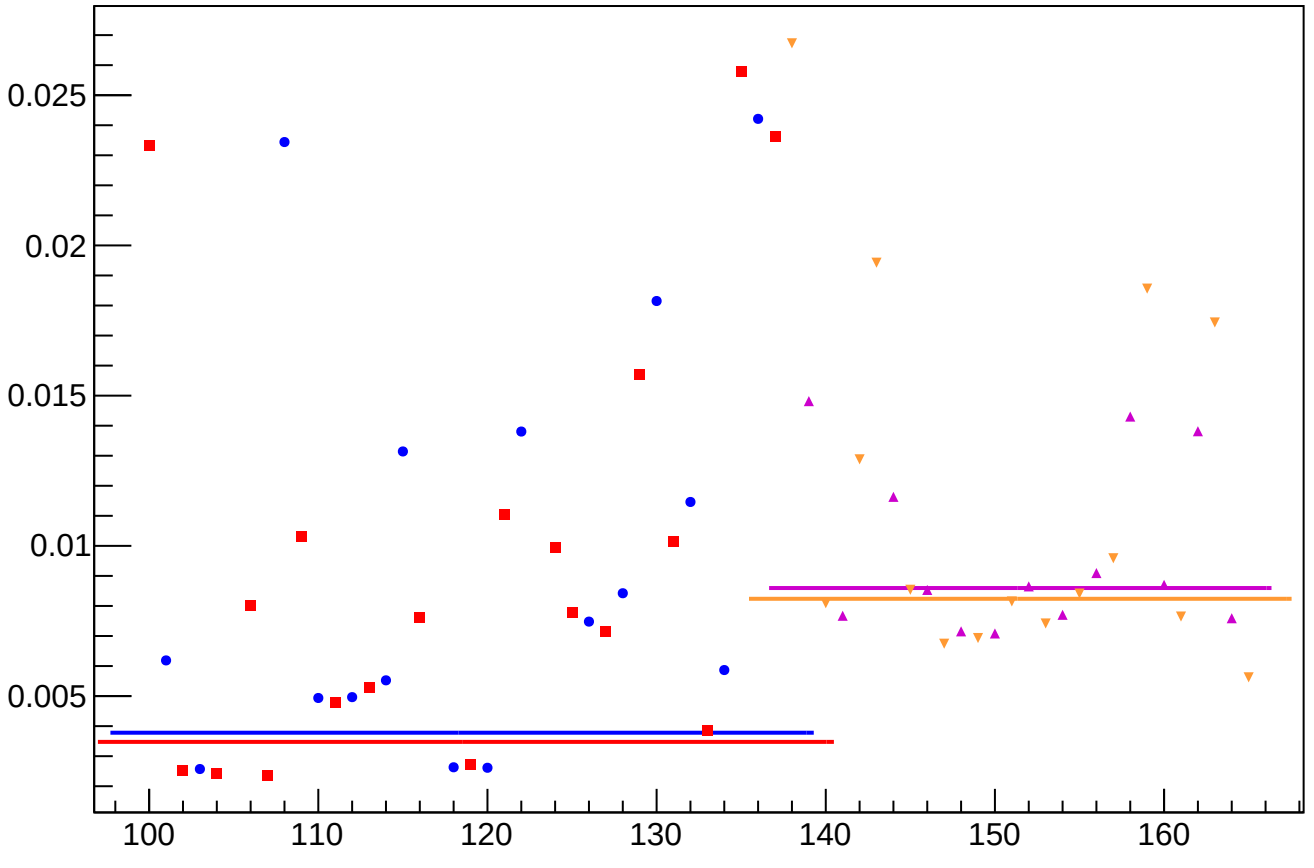
Left: -0.000+/-0.000 χ^2/NDF: 32.1/27

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:29.7/28

Out: -0.000+/-0.000 χ^2/NDF:41.7/33

All: -0.000+/-0.000 χ^2/NDF: 71.6/62



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2827099.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1019874.4/12

Left: 0.008+/-0.000 χ^2/NDF: 3864289.5/27

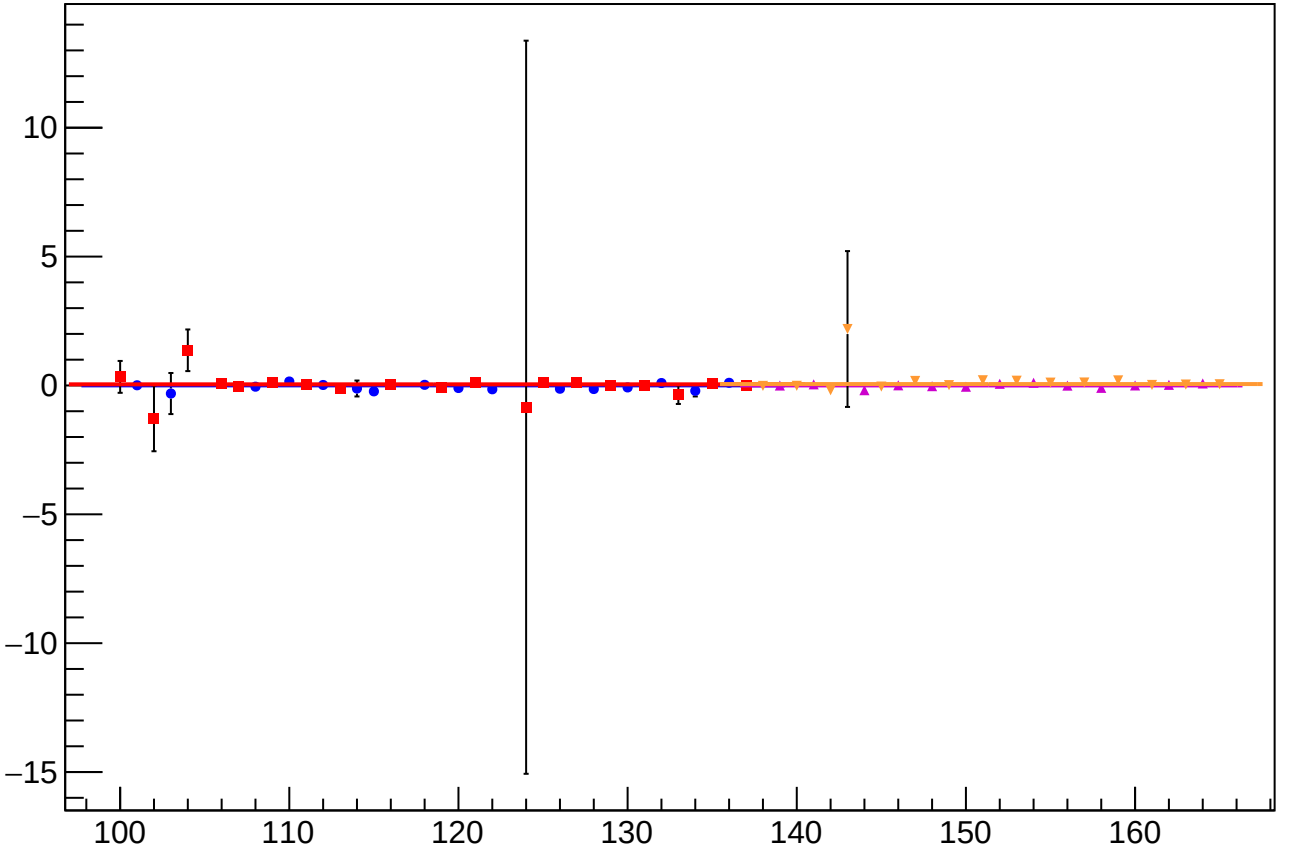
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9818629.4/28

Out: 0.005+/-0.000 χ^2/NDF:12272818.3/33

All: 0.005+/-0.000 χ^2/NDF: 22202016.1/62

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: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

Left: 0.029+/-0.015 χ^2/NDF: 29.8/27

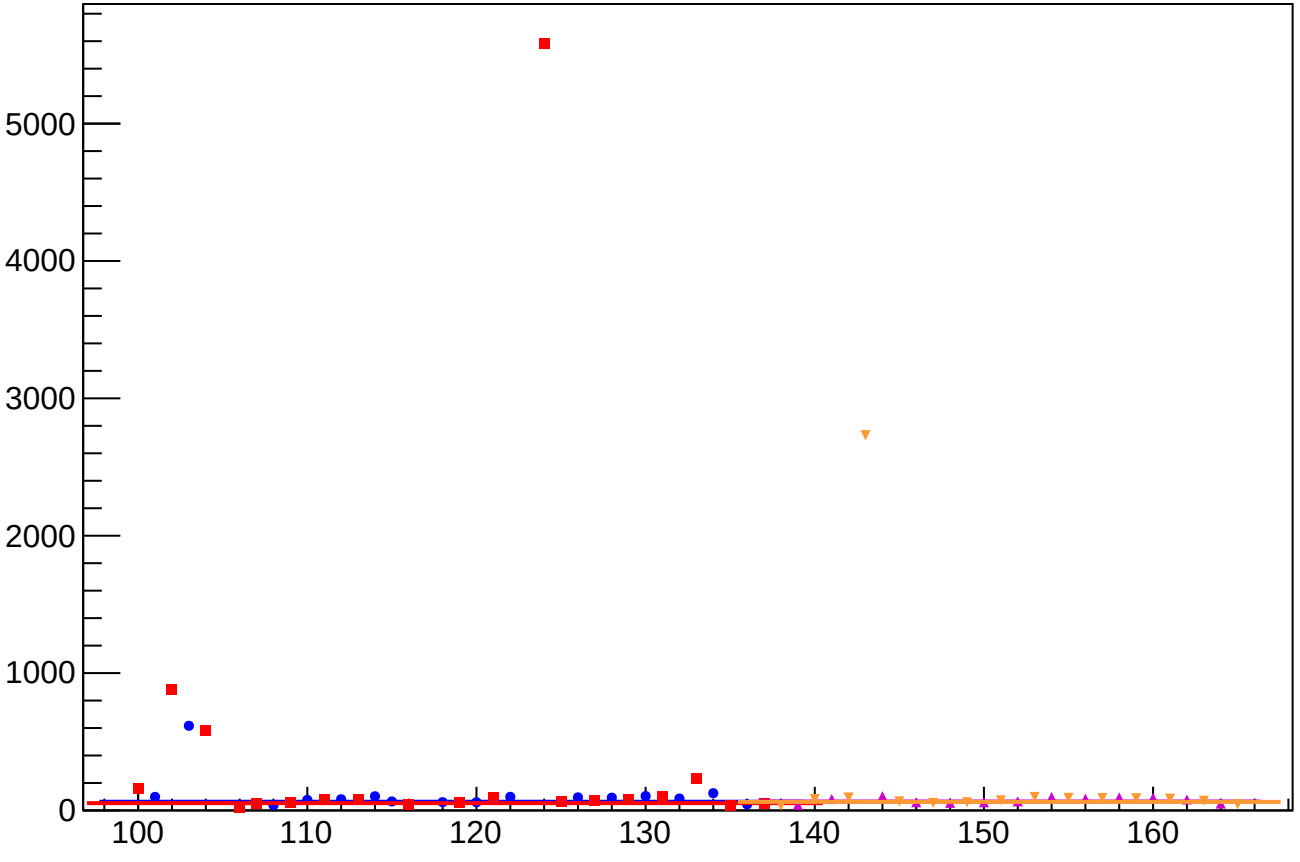
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.027+/-0.012 χ^2/NDF: 57.0/62

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: 62.340+/-0.015 χ^2/NDF:3563646.2/14

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

Left: 63.727+/-0.011 χ^2/NDF: 5190287.2/27

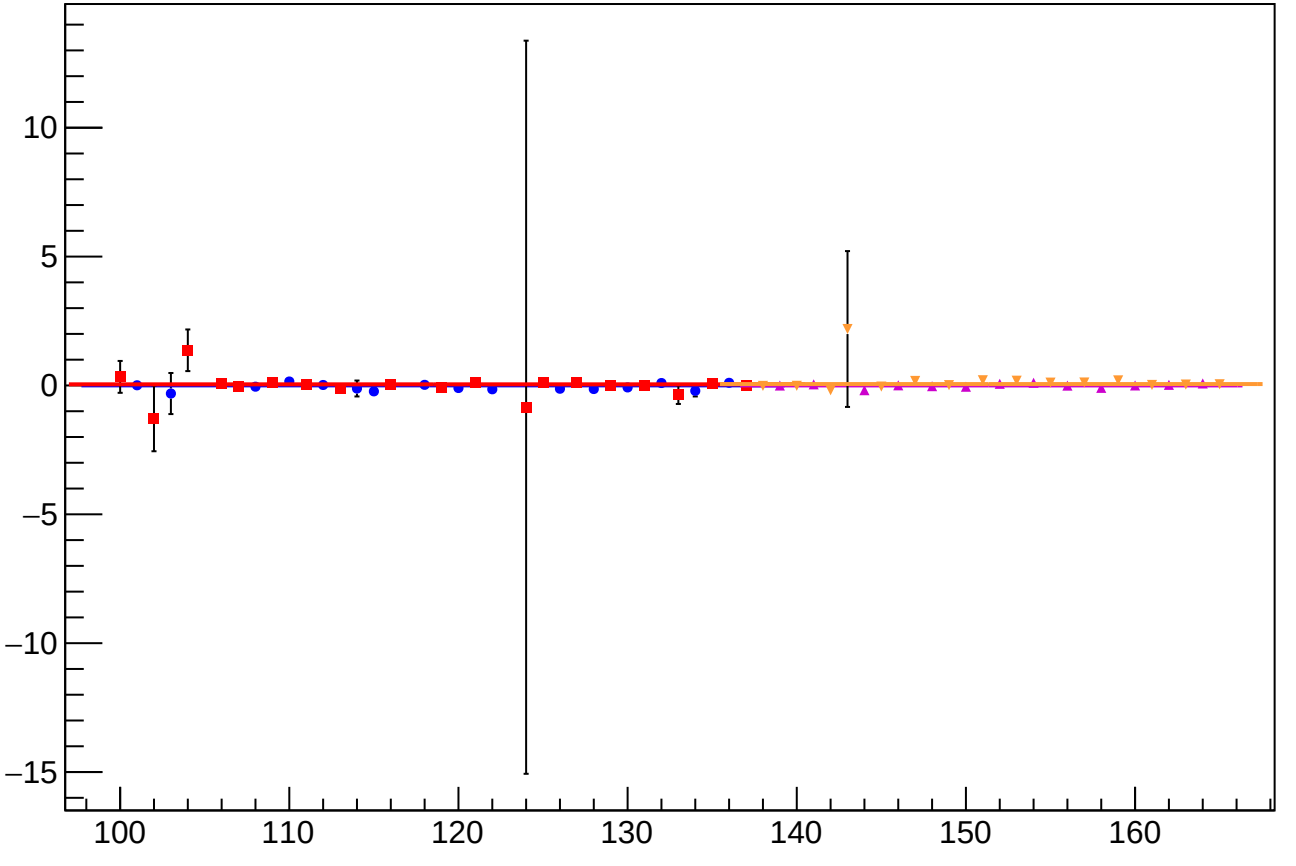
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.551+/-0.012 χ^2/NDF:4057417.4/28

Out: 58.600+/-0.011 χ^2/NDF:7669953.6/33

All: 61.393+/-0.008 χ^2/NDF: 11859090.2/62

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: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

Left: 0.029+/-0.015 χ^2/NDF: 29.8/27

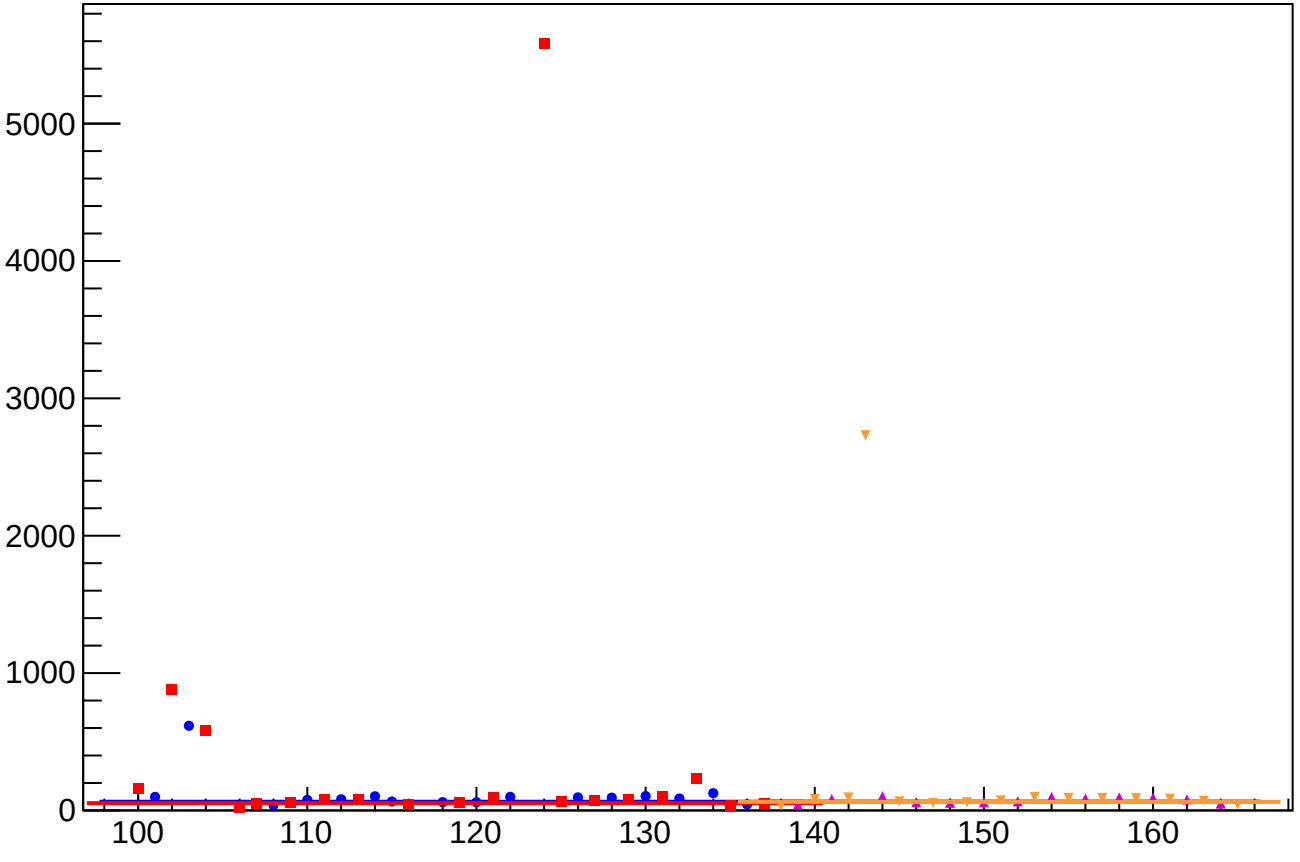
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.027+/-0.012 χ^2/NDF: 57.0/62

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: 62.340+/-0.015 χ^2/NDF:3563646.2/14

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

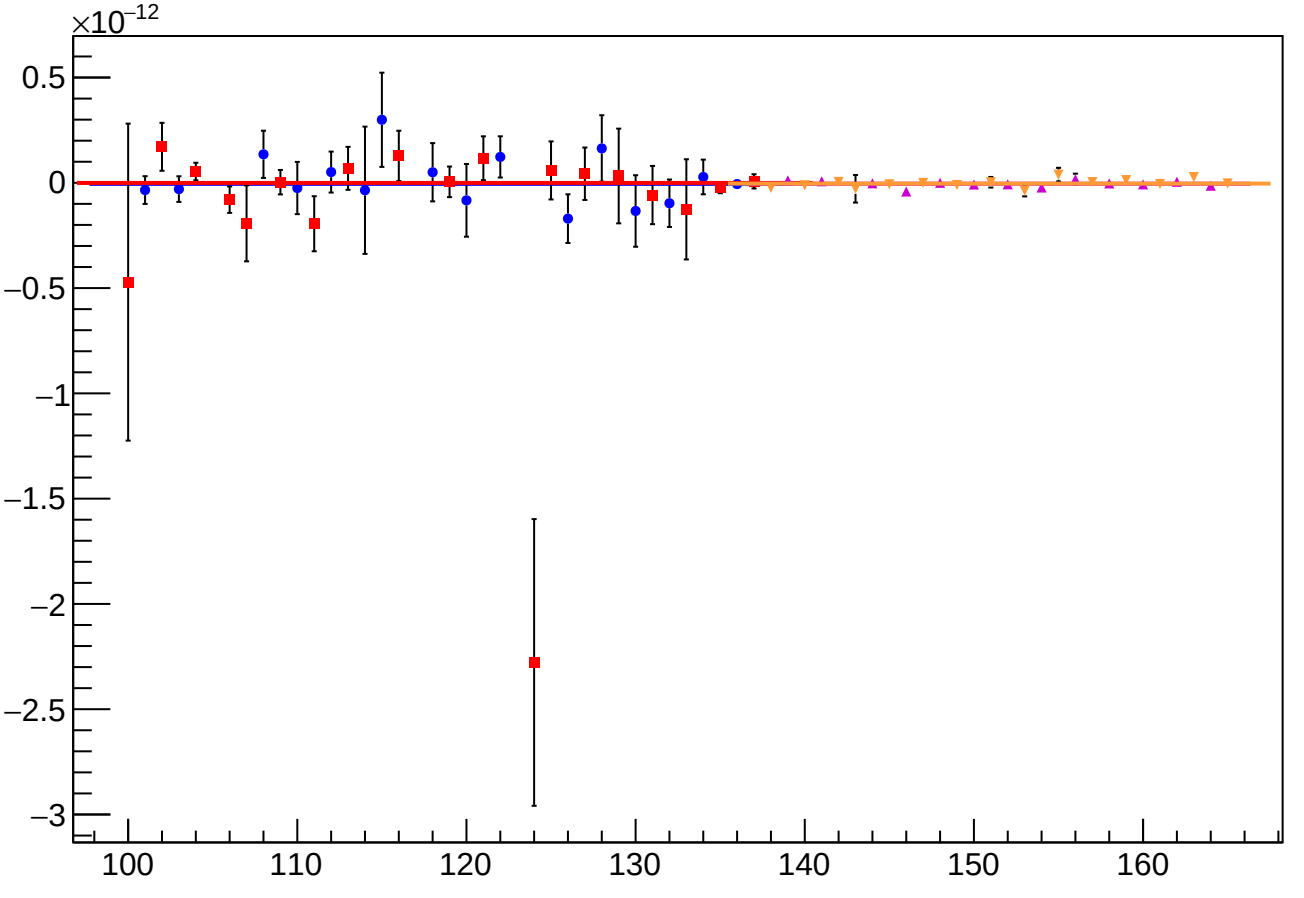
Left: 63.727+/-0.011 χ^2/NDF: 5190287.2/27

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.551+/-0.012 χ^2/NDF:4057417.4/28

Out: 58.600+/-0.011 χ^2/NDF:7669953.6/33

All: 61.393+/-0.008 χ^2/NDF: 11859090.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/12

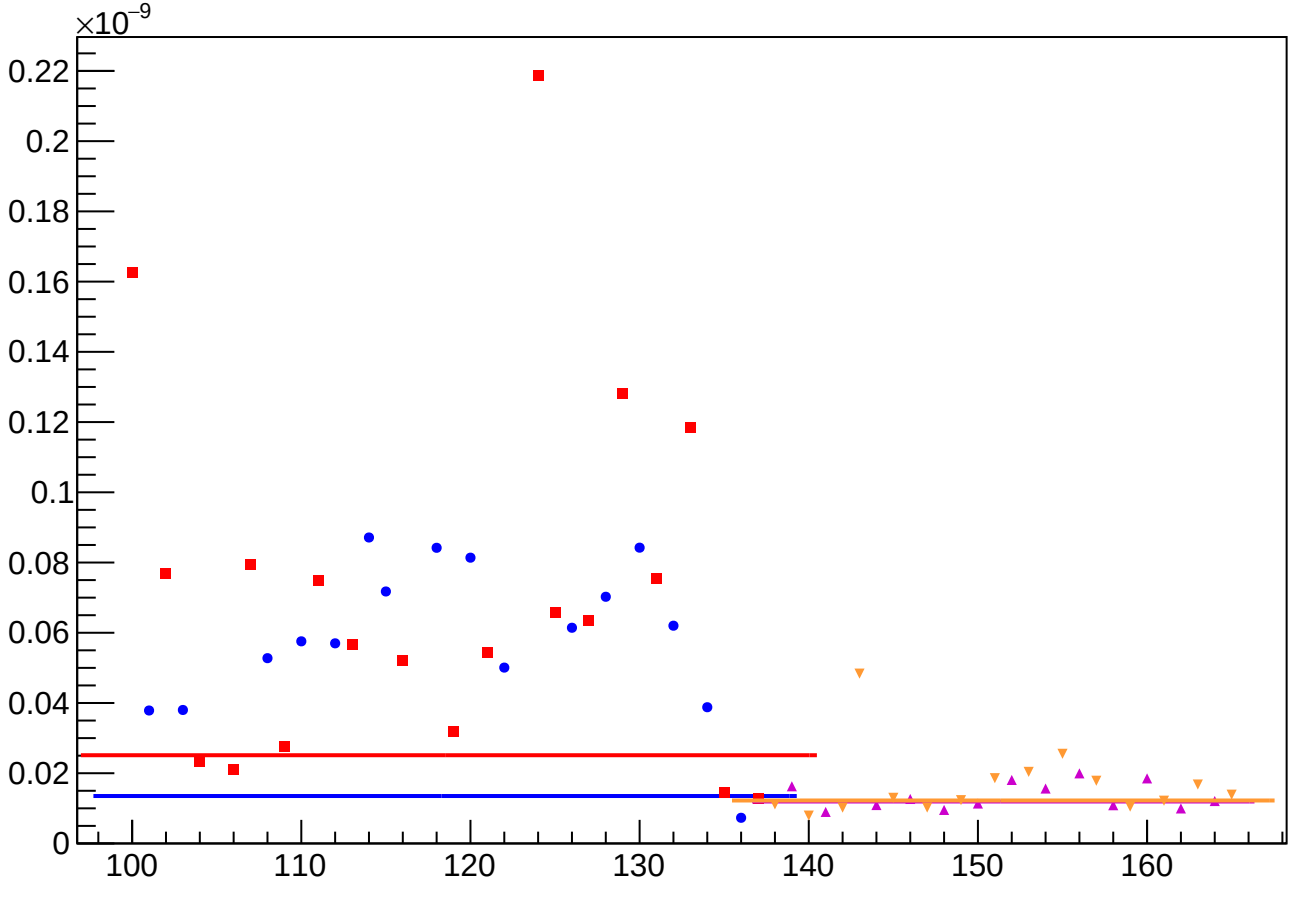
Left: -0.000+/-0.000 χ^2/NDF: 18.7/27

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.9/28

Out: -0.000+/-0.000 χ^2/NDF:34.7/33

All: -0.000+/-0.000 χ^2/NDF: 54.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1924284.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:884081.7/12

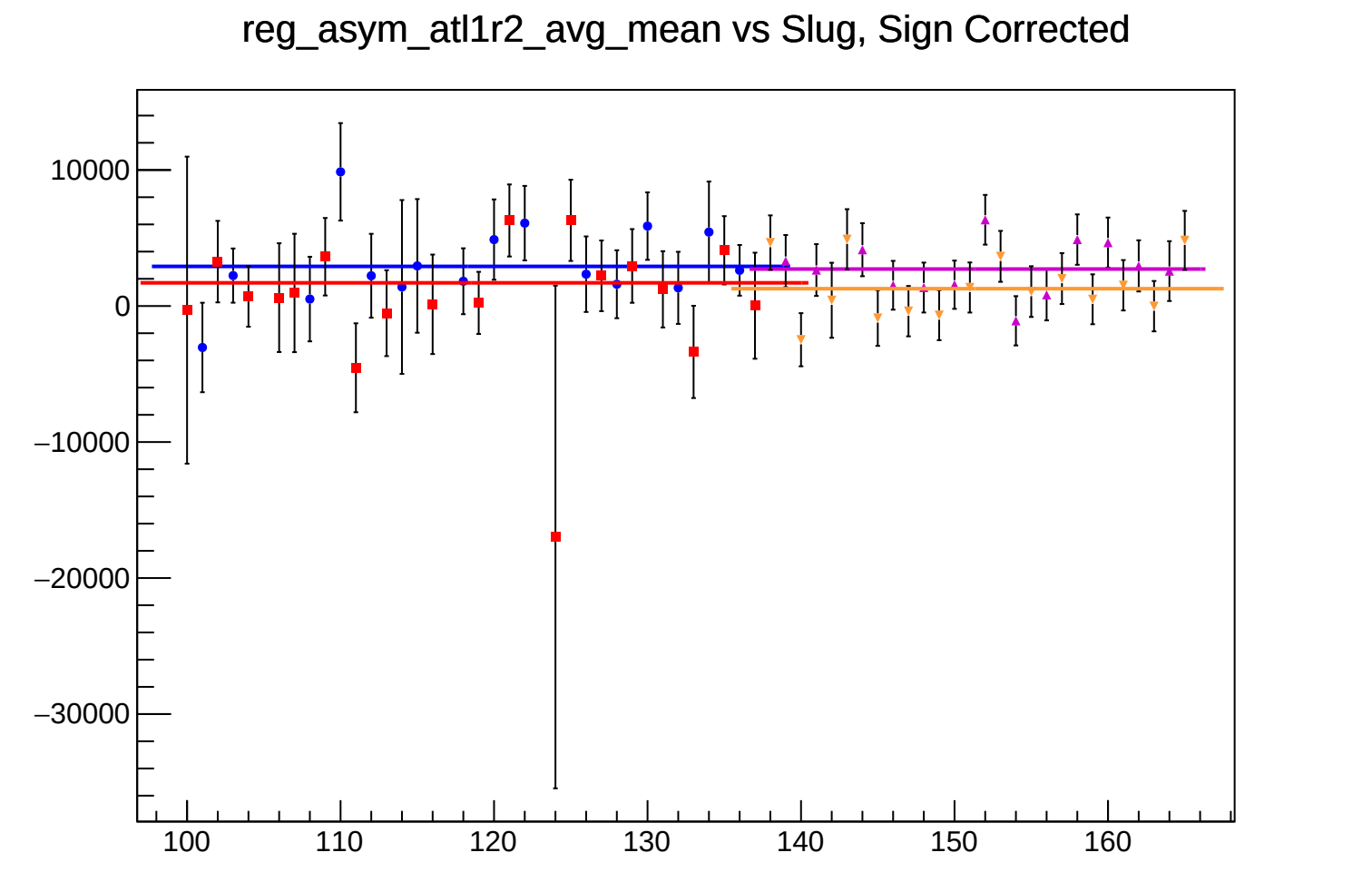
Left: 0.000+/-0.000 χ^2/NDF: 2812409.3/27

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5916185.9/28

Out: 0.000+/-0.000 χ^2/NDF:6846356.8/33

All: 0.000+/-0.000 χ^2/NDF: 12831127.8/62



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.537+/-505.064 χ^2/NDF:17.5/14

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2718.262+/-519.858 χ^2/NDF:13.9/12

Left: 1975.566+/-362.251 χ^2/NDF: 35.4/27

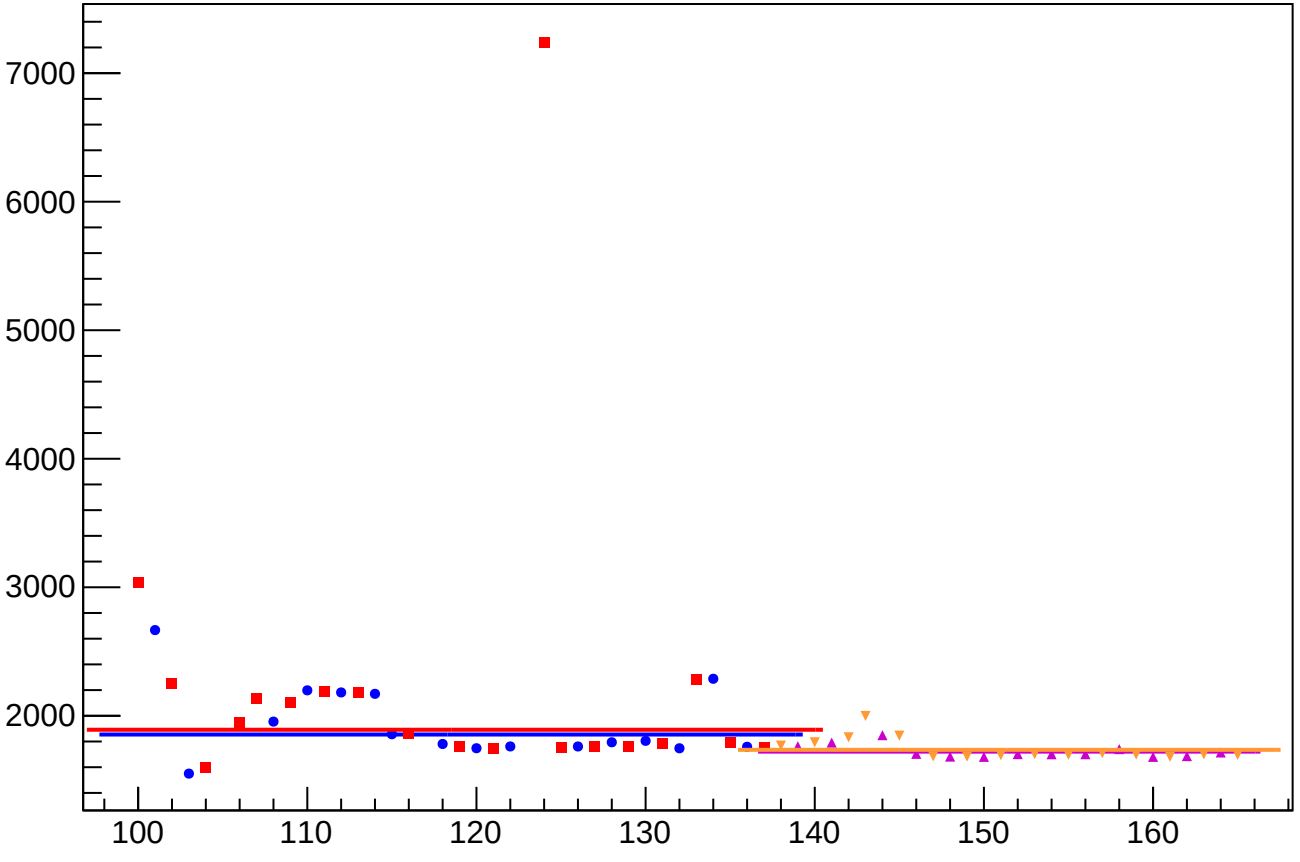
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2788.116+/-416.299 χ^2/NDF:26.4/28

Out: 1419.998+/-410.940 χ^2/NDF:33.6/33

All: 2095.194+/-292.455 χ^2/NDF: 65.5/62

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

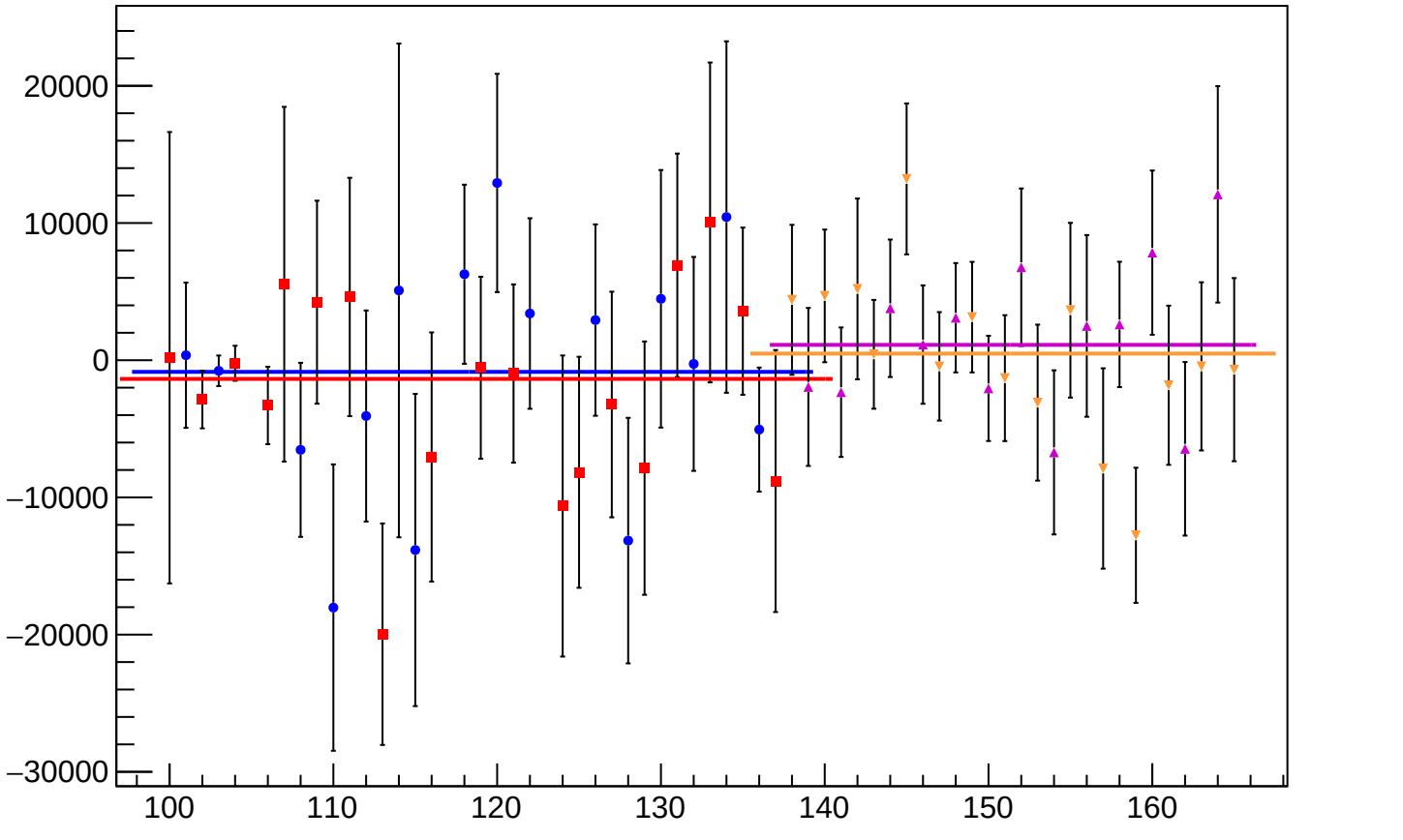
Left: 1728.423+/-0.256 χ^2/NDF: 66770.8/27

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1768.970+/-0.294 χ^2/NDF:327377.5/28

Out: 1788.189+/-0.290 χ^2/NDF:477941.7/33

All: 1778.712+/-0.207 χ^2/NDF: 807479.9/62



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 484.991+/-1332.234 χ^2/NDF:17.2/14

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 1117.750+/-1417.655 χ^2/NDF:9.5/12

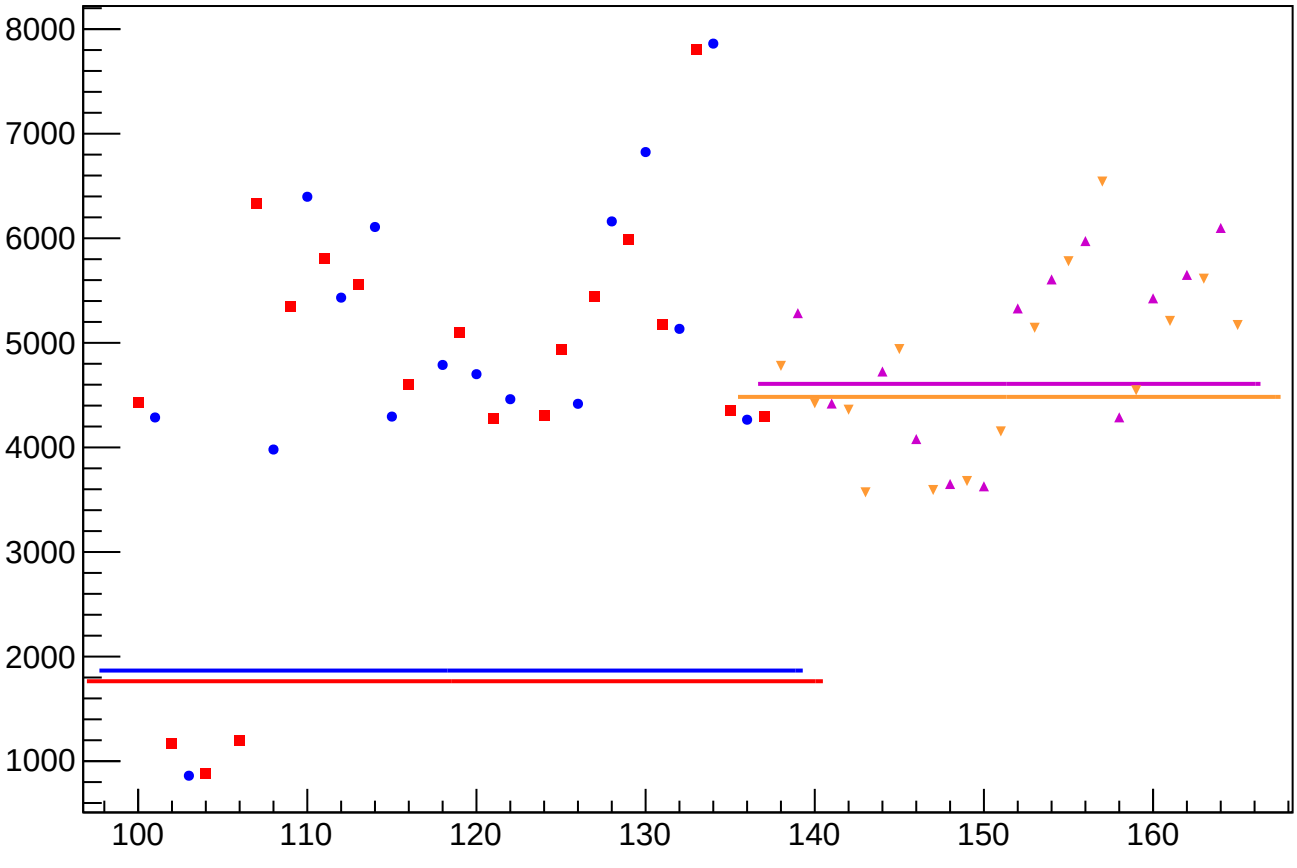
Left: 781.734+/-970.826 χ^2/NDF: 26.8/27

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -227.386+/-796.547 χ^2/NDF:24.7/28

Out: -768.863+/-754.757 χ^2/NDF:32.5/33

All: -512.701+/-547.872 χ^2/NDF: 57.4/62



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4483.341+/-0.942 χ^2/NDF:708157.7/14

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4607.825+/-1.002 χ^2/NDF:653068.9/12

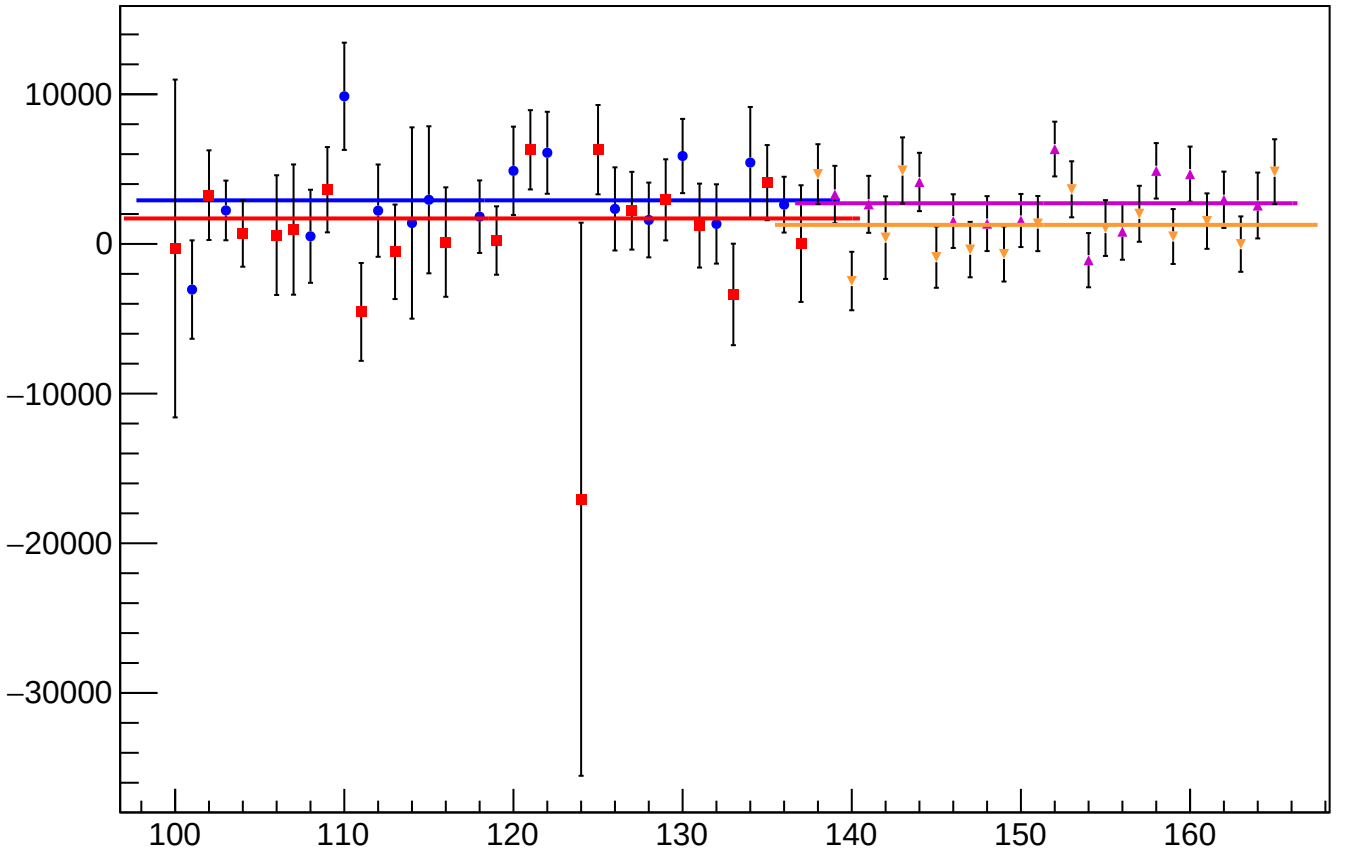
Left: 4541.720+/-0.686 χ^2/NDF: 1369415.7/27

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2731.886+/-0.563 χ^2/NDF:12620504.0/28

Out: 2636.995+/-0.534 χ^2/NDF:12800155.6/33

All: 2681.886+/-0.387 χ^2/NDF: 25435615.2/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.378+/-505.064 χ^2/NDF:17.5/14

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2718.328+/-519.858 χ^2/NDF:13.9/12

Left: 1975.516+/-362.251 χ^2/NDF: 35.4/27

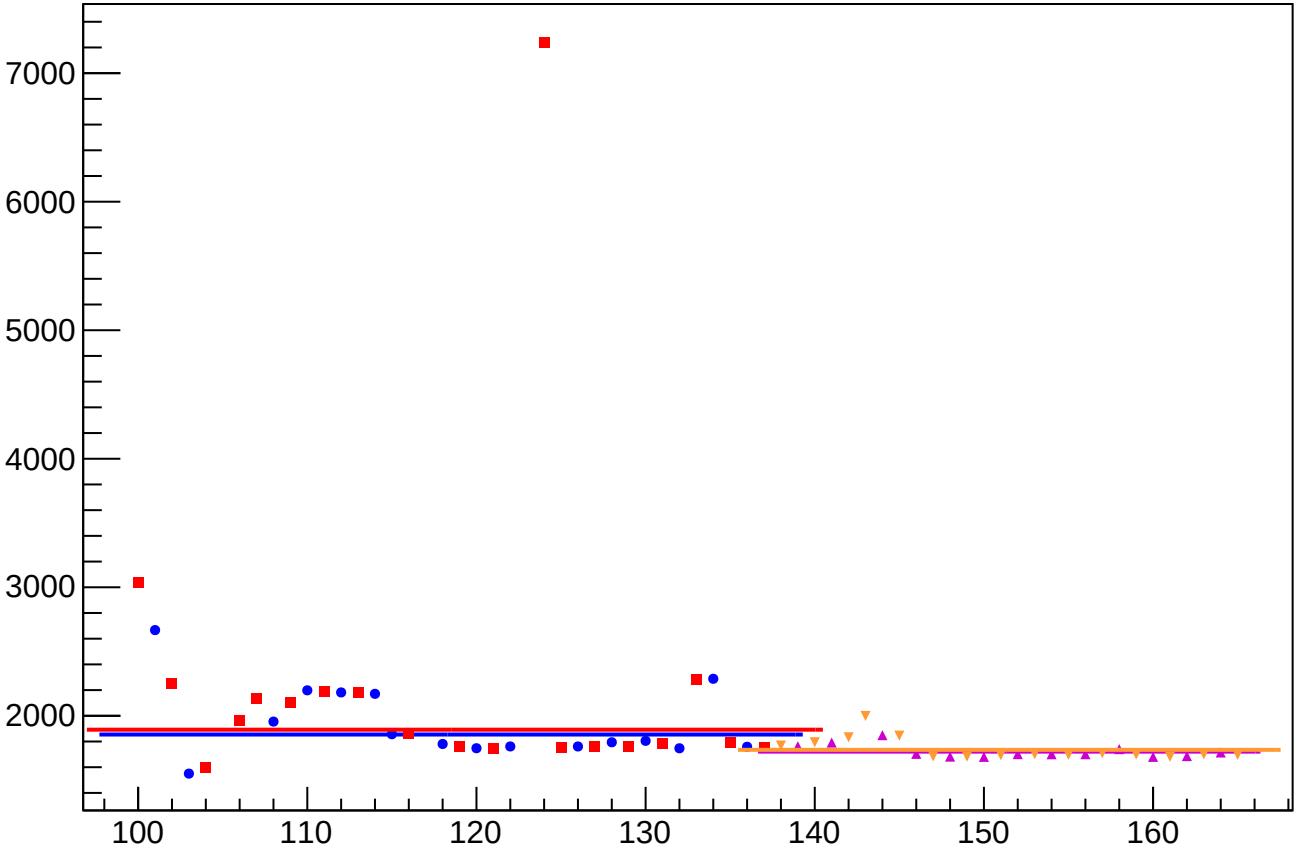
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.195+/-416.299 χ^2/NDF:26.4/28

Out: 1419.426+/-410.940 χ^2/NDF:33.6/33

All: 2094.943+/-292.455 χ^2/NDF: 65.5/62

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

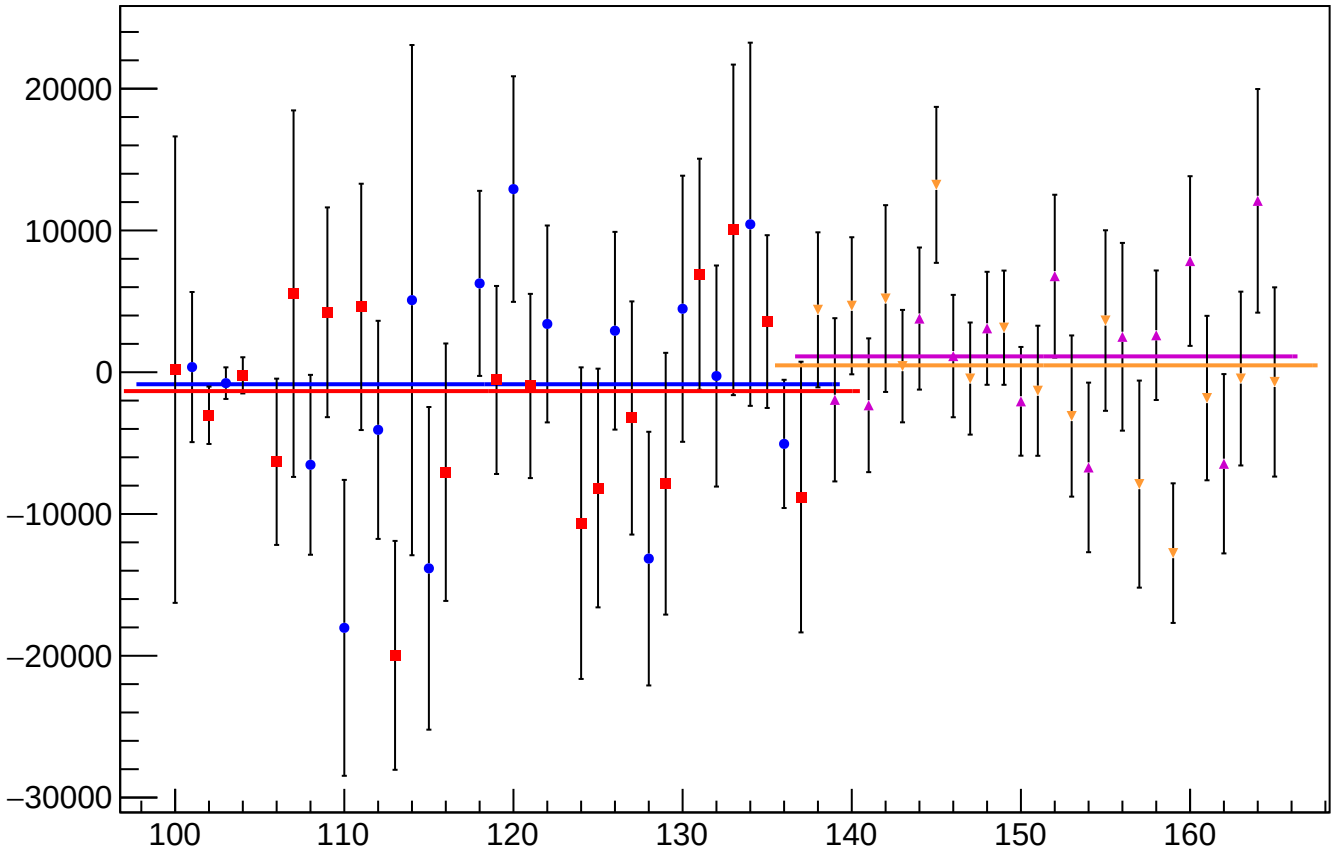
Left: 1728.423+/-0.256 χ^2/NDF: 66770.8/27

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1768.970+/-0.294 χ^2/NDF:327377.4/28

Out: 1788.329+/-0.290 χ^2/NDF:478545.0/33

All: 1778.782+/-0.207 χ^2/NDF: 808114.4/62



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 484.963+/-1332.233 χ^2/NDF:17.2/14

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1117.876+/-1417.655 χ^2/NDF:9.5/12

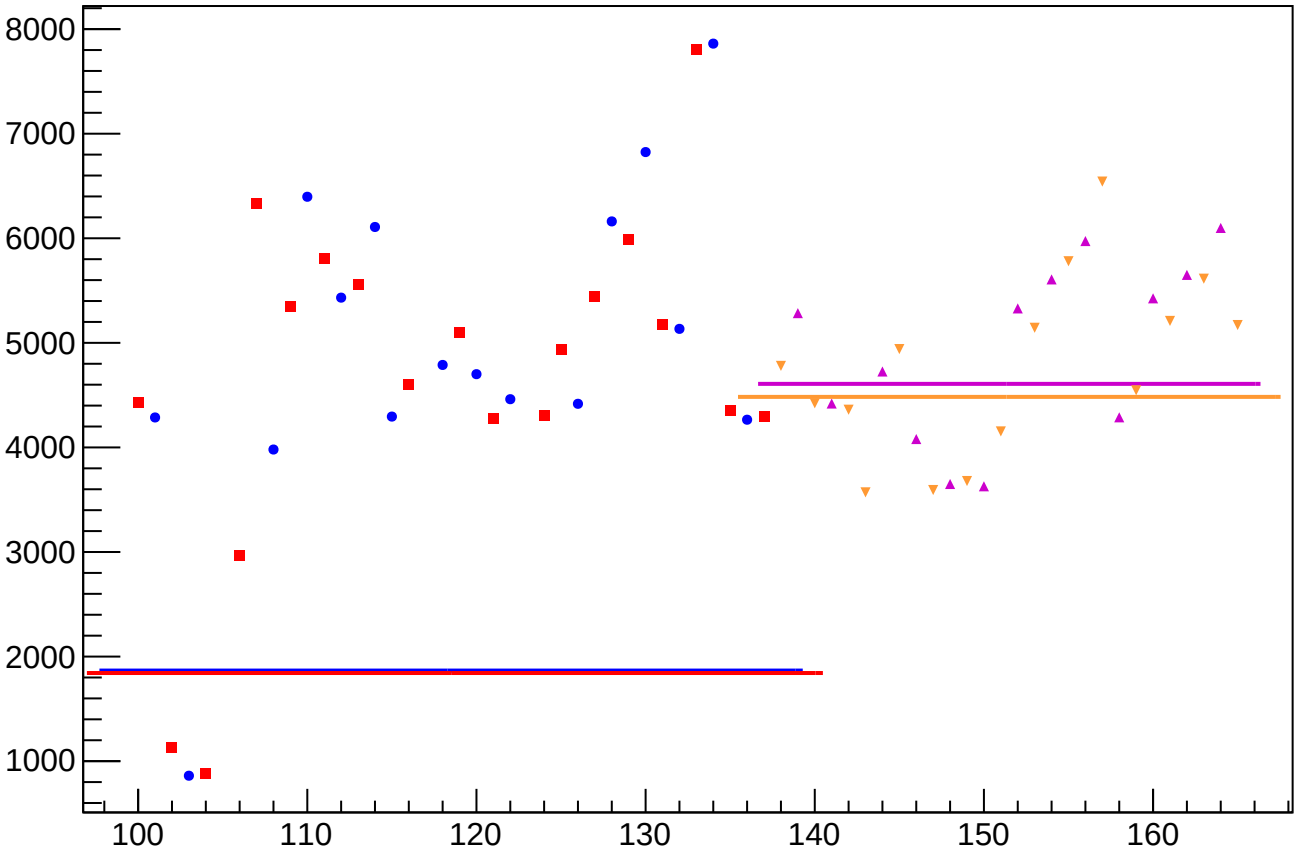
Left: 781.778+/-970.826 χ^2/NDF: 26.8/27

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -227.070+/-796.517 χ^2/NDF:24.7/28

Out: -720.677+/-772.492 χ^2/NDF:32.8/33

All: -481.430+/-554.533 χ^2/NDF: 57.7/62



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4483.336+/-0.942 χ^2/NDF:708170.0/14

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

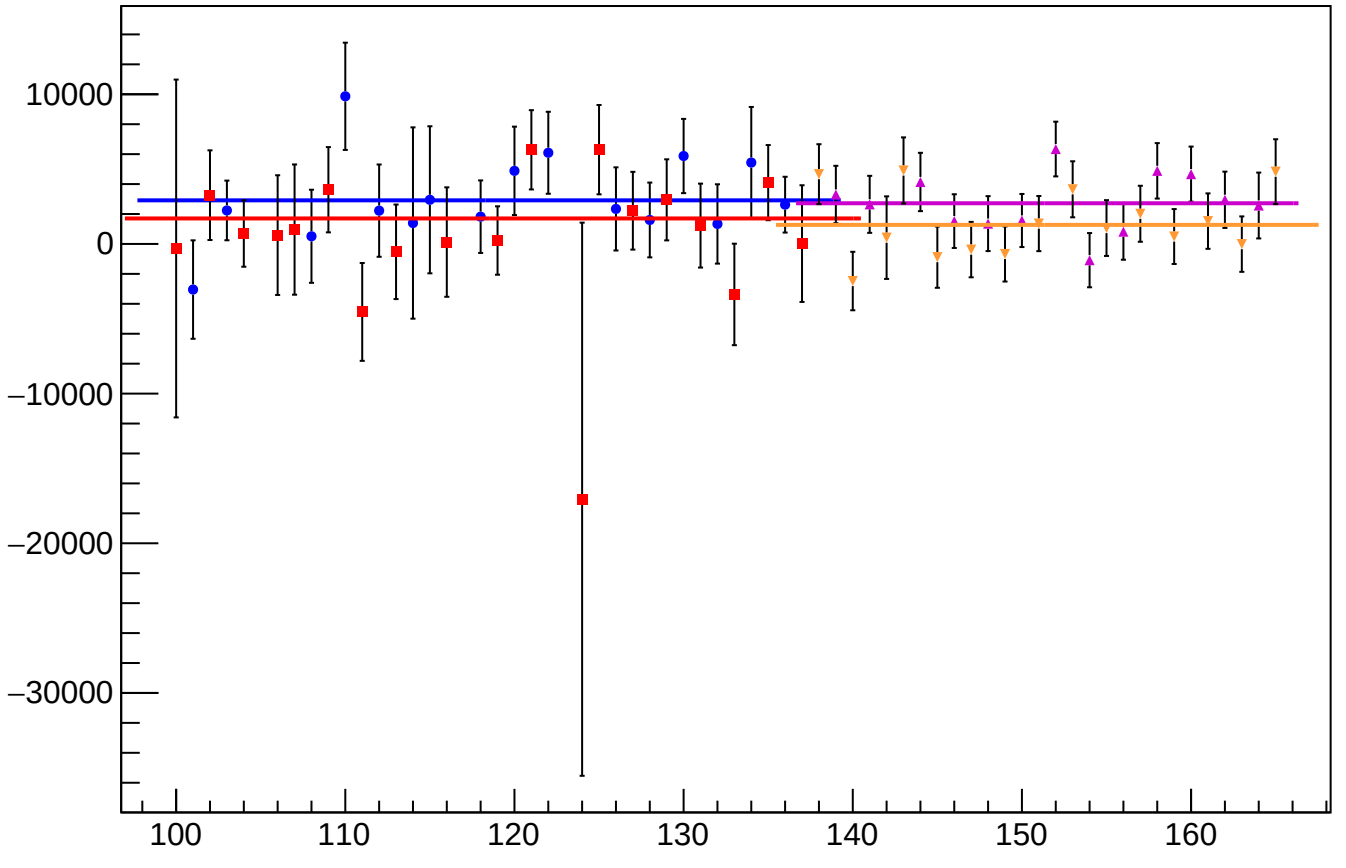
Left: 4541.717+/-0.686 χ^2/NDF: 1369442.2/27

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2731.715+/-0.563 χ^2/NDF:12621690.1/28

Out: 2730.664+/-0.546 χ^2/NDF:12381562.1/33

All: 2731.174+/-0.392 χ^2/NDF: 25003254.0/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.378+/-505.064 χ^2/NDF:17.5/14

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2718.328+/-519.858 χ^2/NDF:13.9/12

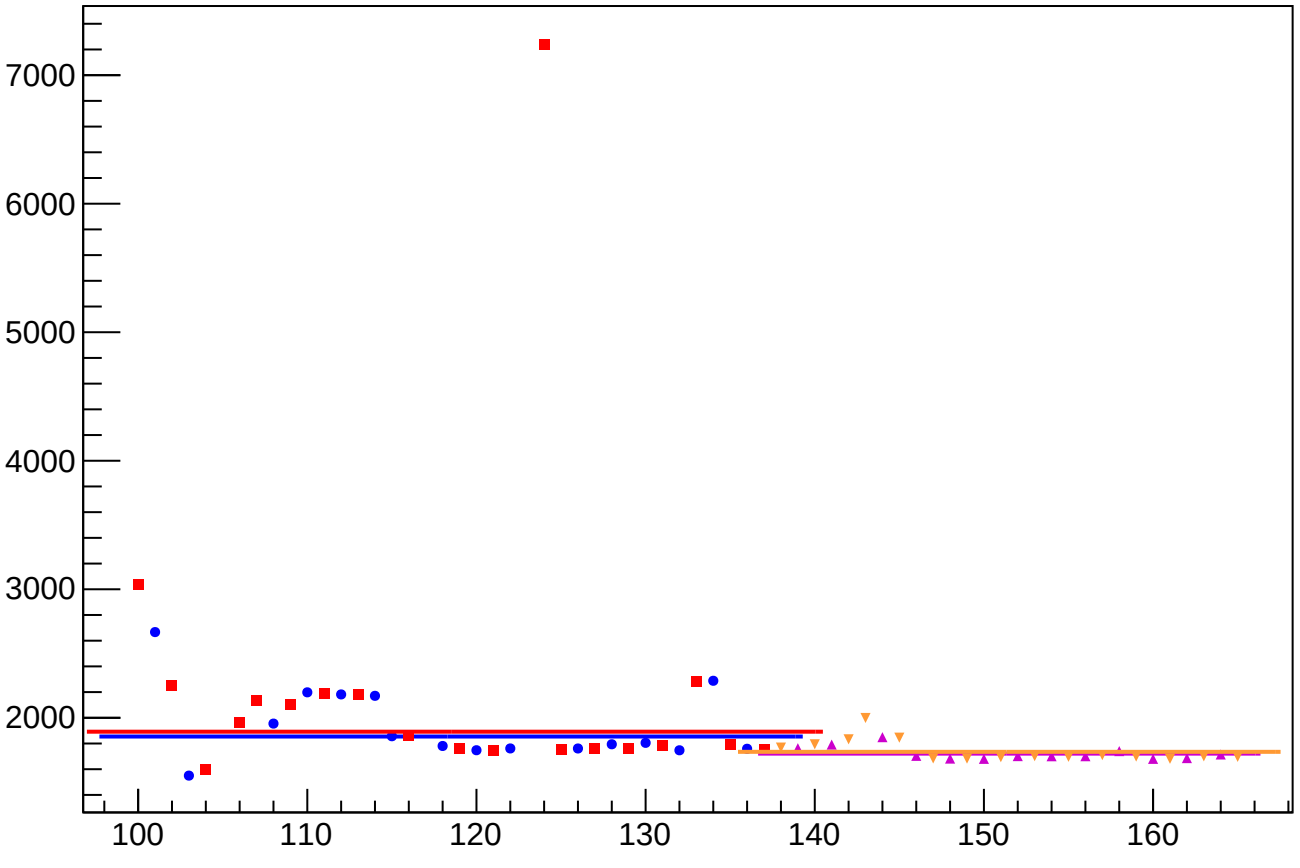
Left: 1975.516+/-362.251 χ^2/NDF: 35.4/27

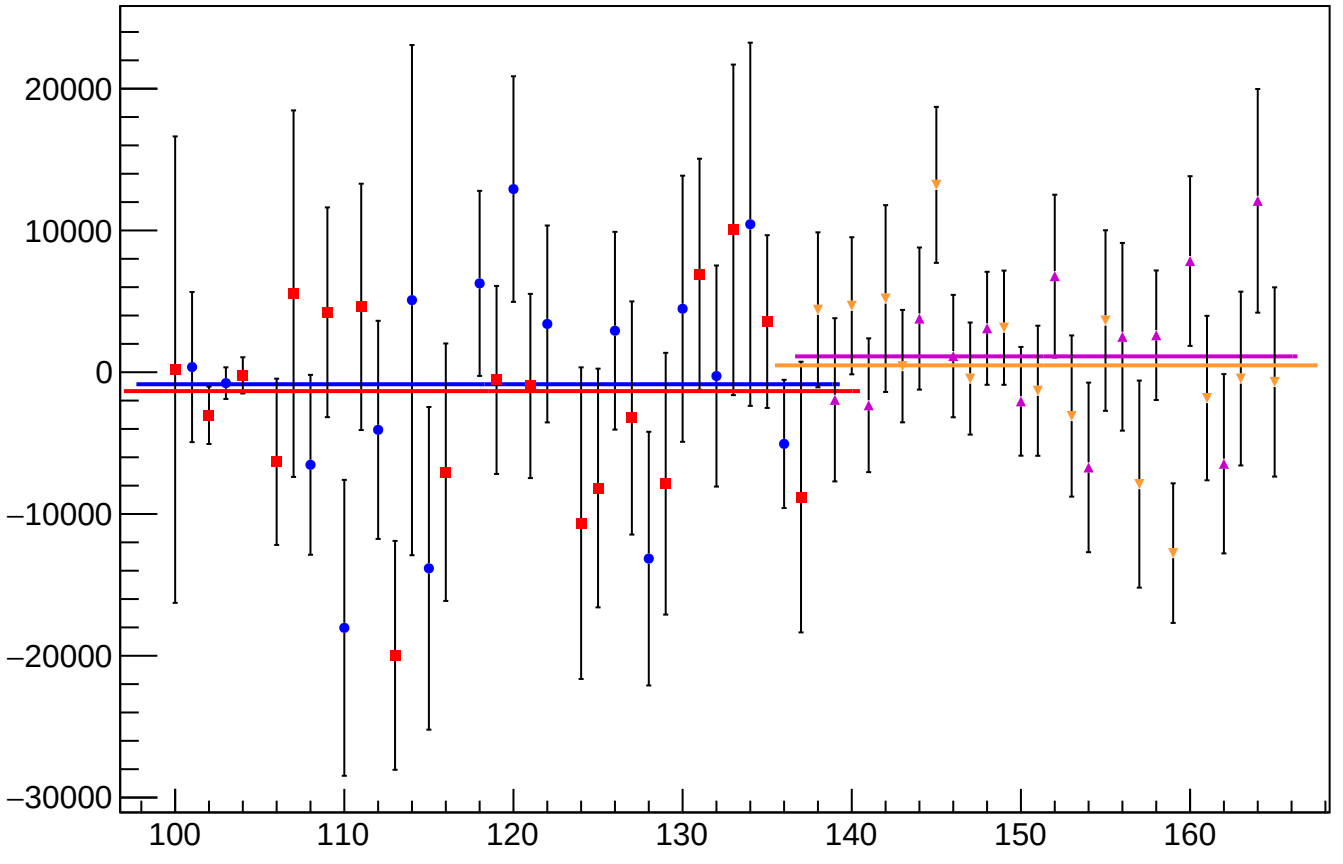
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.195+/-416.299 χ^2/NDF:26.4/28

Out: 1419.426+/-410.940 χ^2/NDF:33.6/33

All: 2094.943+/-292.455 χ^2/NDF: 65.5/62


eigen_cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1854.314+/-0.491 χ²/NDF: 263322.5/15
Left Out: 1735.214+/-0.357 χ²/NDF:48991.1/14
Right Out: 1891.927+/-0.499 χ²/NDF: 364292.2/18
Left In: 1721.229+/-0.368 χ²/NDF:17035.2/12
Left: 1728.423+/-0.256 χ²/NDF: 66770.8/27
Right: 1872.844+/-0.350 χ²/NDF: 630500.1/34
In: 1768.970+/-0.294 χ²/NDF:327377.4/28
Out: 1788.329+/-0.290 χ²/NDF:478545.0/33
All: 1778.782+/-0.207 χ²/NDF: 808114.4/62



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 484.963+/-1332.233 χ^2/NDF:17.2/14

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1117.876+/-1417.655 χ^2/NDF:9.5/12

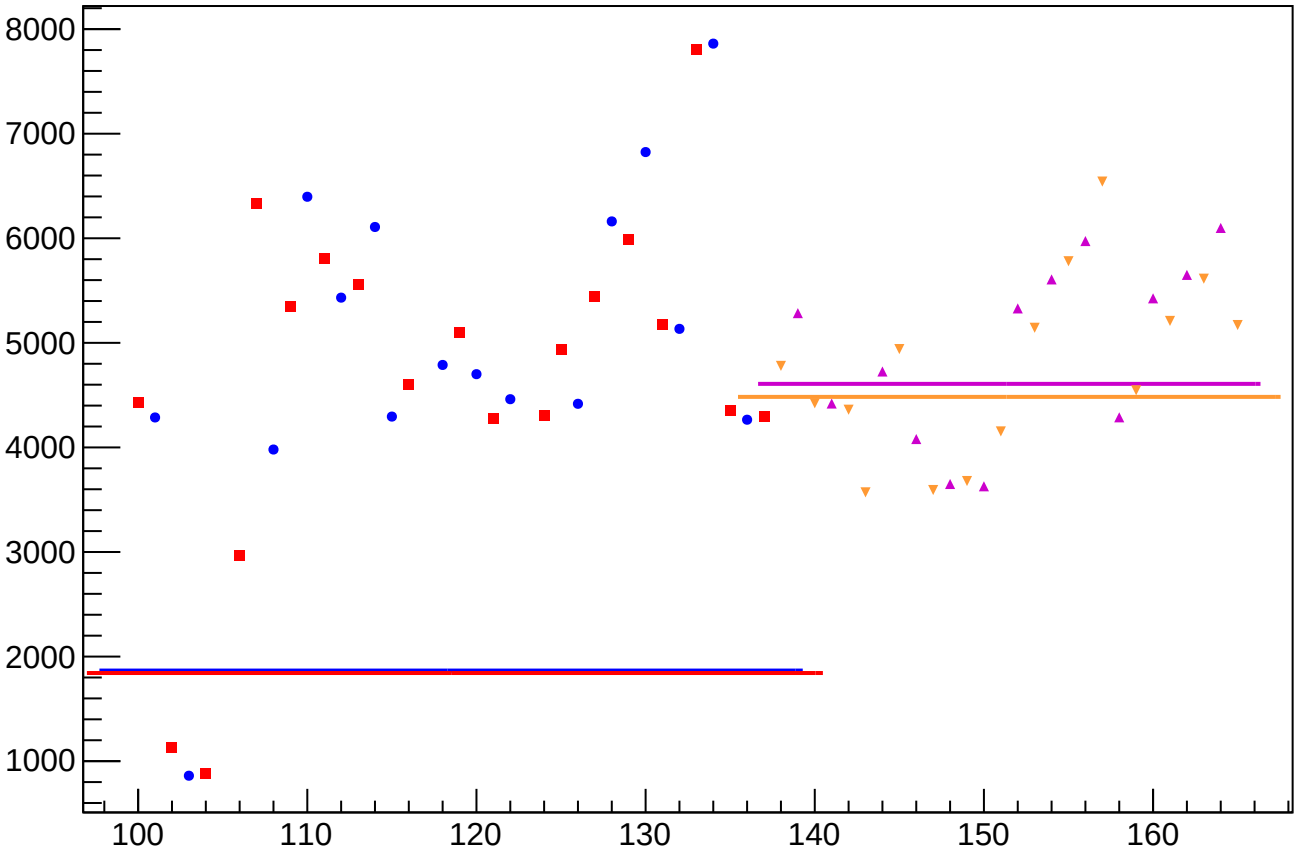
Left: 781.778+/-970.826 χ^2/NDF: 26.8/27

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -227.070+/-796.517 χ^2/NDF:24.7/28

Out: -720.677+/-772.492 χ^2/NDF:32.8/33

All: -481.430+/-554.533 χ^2/NDF: 57.7/62



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4483.336+/-0.942 χ^2/NDF:708170.0/14

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

Left: 4541.717+/-0.686 χ^2/NDF: 1369442.2/27

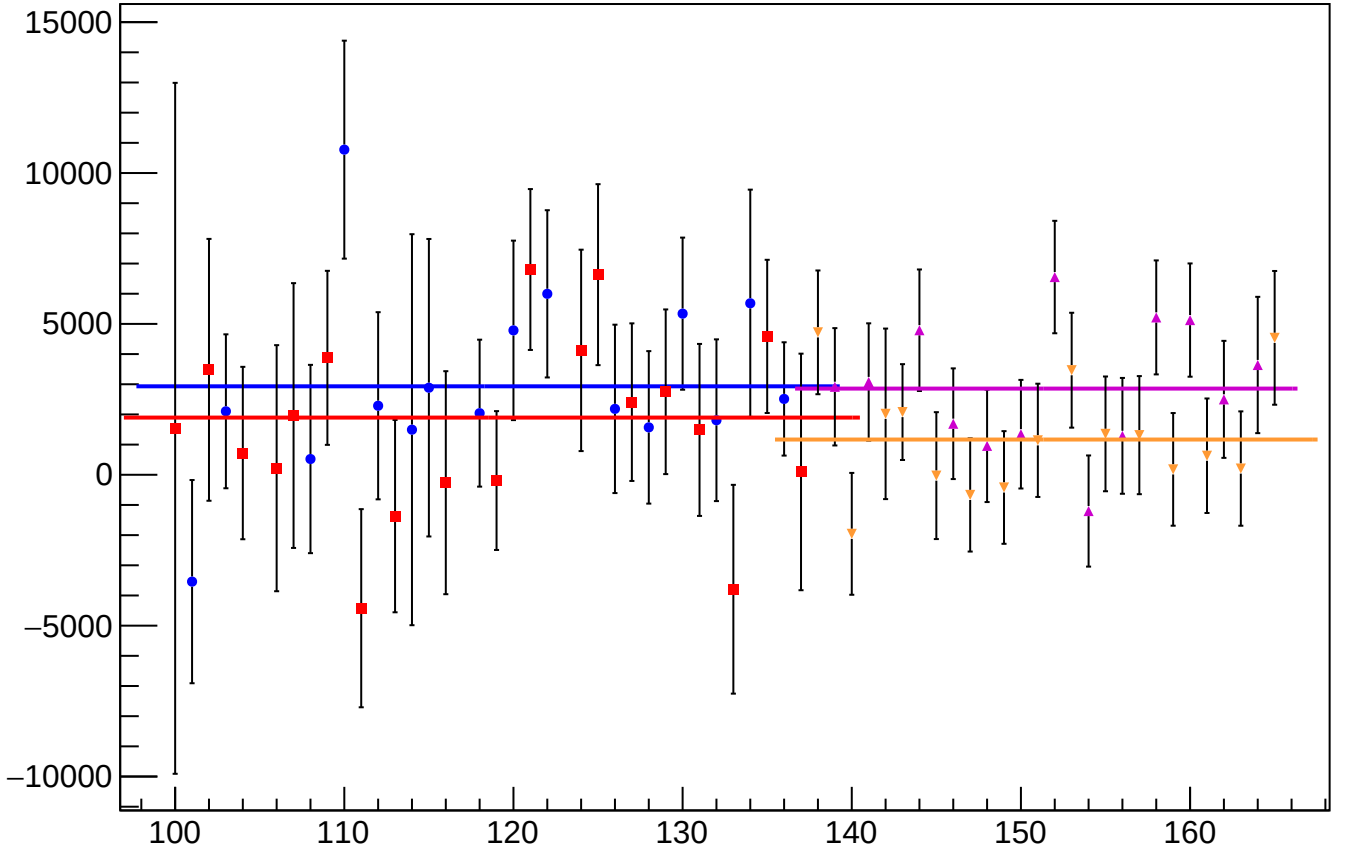
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2731.715+/-0.563 χ^2/NDF:12621690.1/28

Out: 2730.664+/-0.546 χ^2/NDF:12381562.1/33

All: 2731.174+/-0.392 χ^2/NDF: 25003254.0/6

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1168.023+/-503.384 χ^2/NDF:12.2/14

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2856.213+/-530.663 χ^2/NDF:15.7/12

Left: 1967.612+/-365.209 χ^2/NDF: 33.3/27

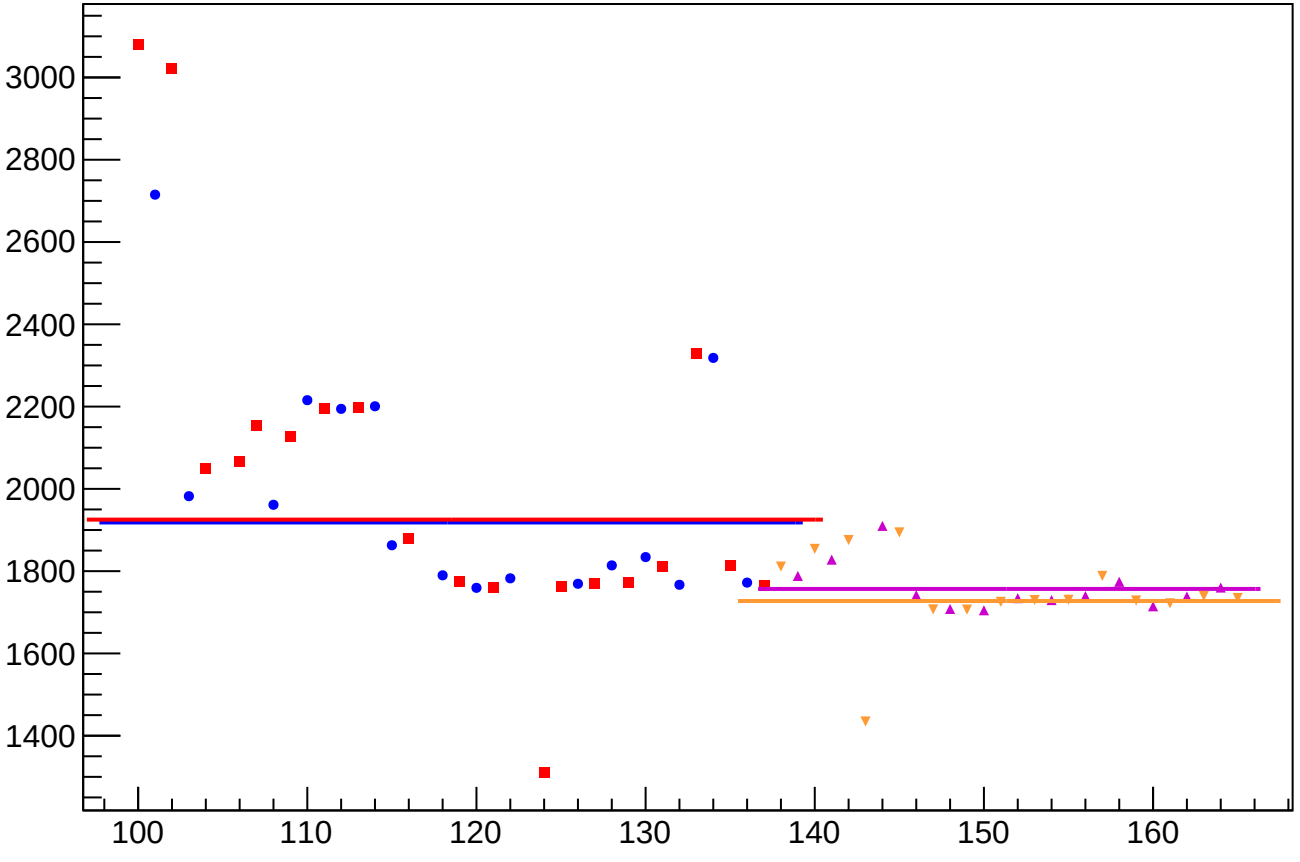
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2882.862+/-426.820 χ^2/NDF:28.7/28

Out: 1406.000+/-412.920 χ^2/NDF:30.3/33

All: 2119.992+/-296.771 χ^2/NDF: 65.2/62

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.416+/-0.356 χ^2/NDF:99870.5/14

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1756.797+/-0.375 χ^2/NDF:20225.7/12

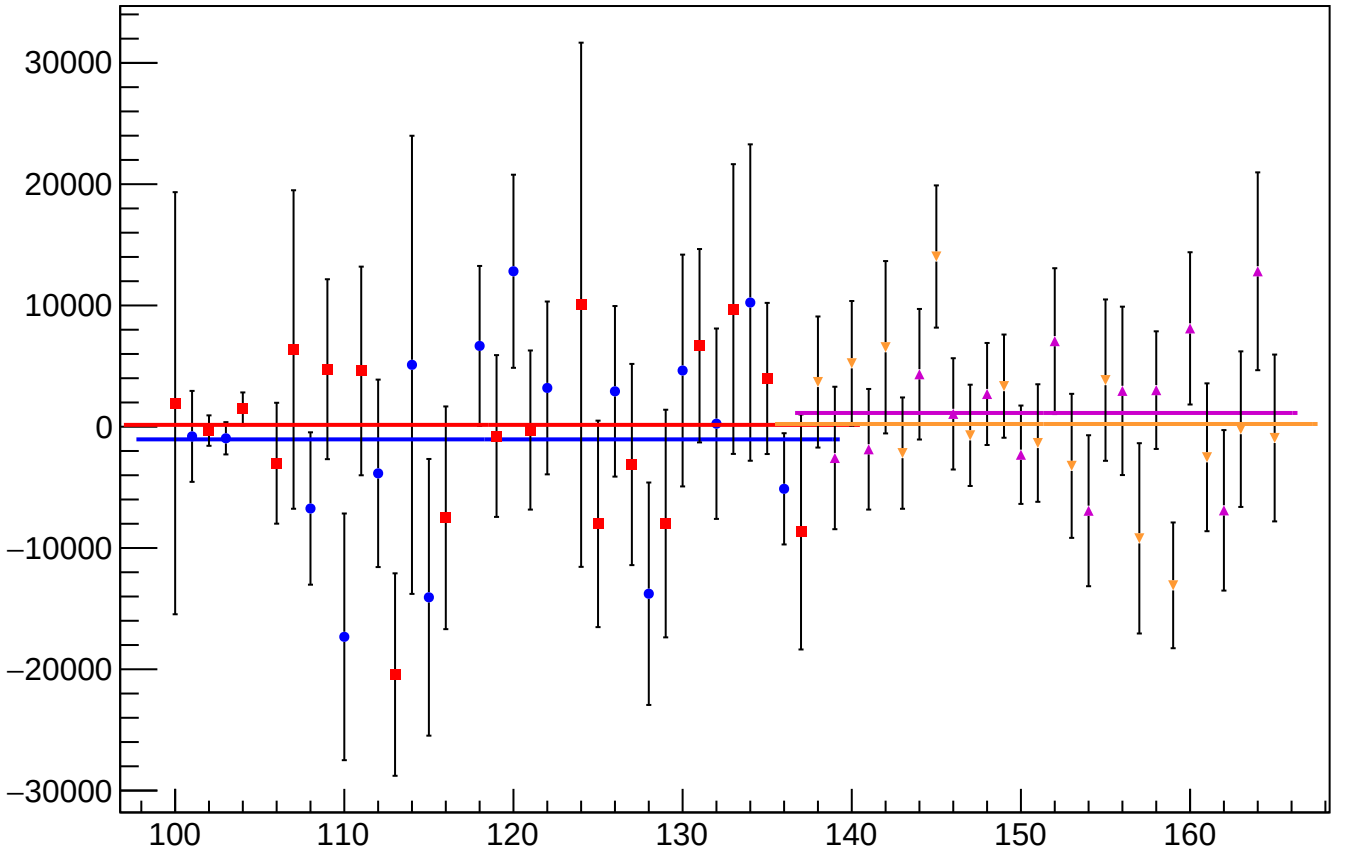
Left: 1741.332+/-0.258 χ^2/NDF: 123323.3/27

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1813.844+/-0.302 χ^2/NDF:301279.9/28

Out: 1792.207+/-0.292 χ^2/NDF:540140.4/33

All: 1802.665+/-0.210 χ^2/NDF: 844076.0/62



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 226.186+/-1413.684 χ^2/NDF:17.6/14

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 1135.320+/-1492.875 χ^2/NDF:9.6/12

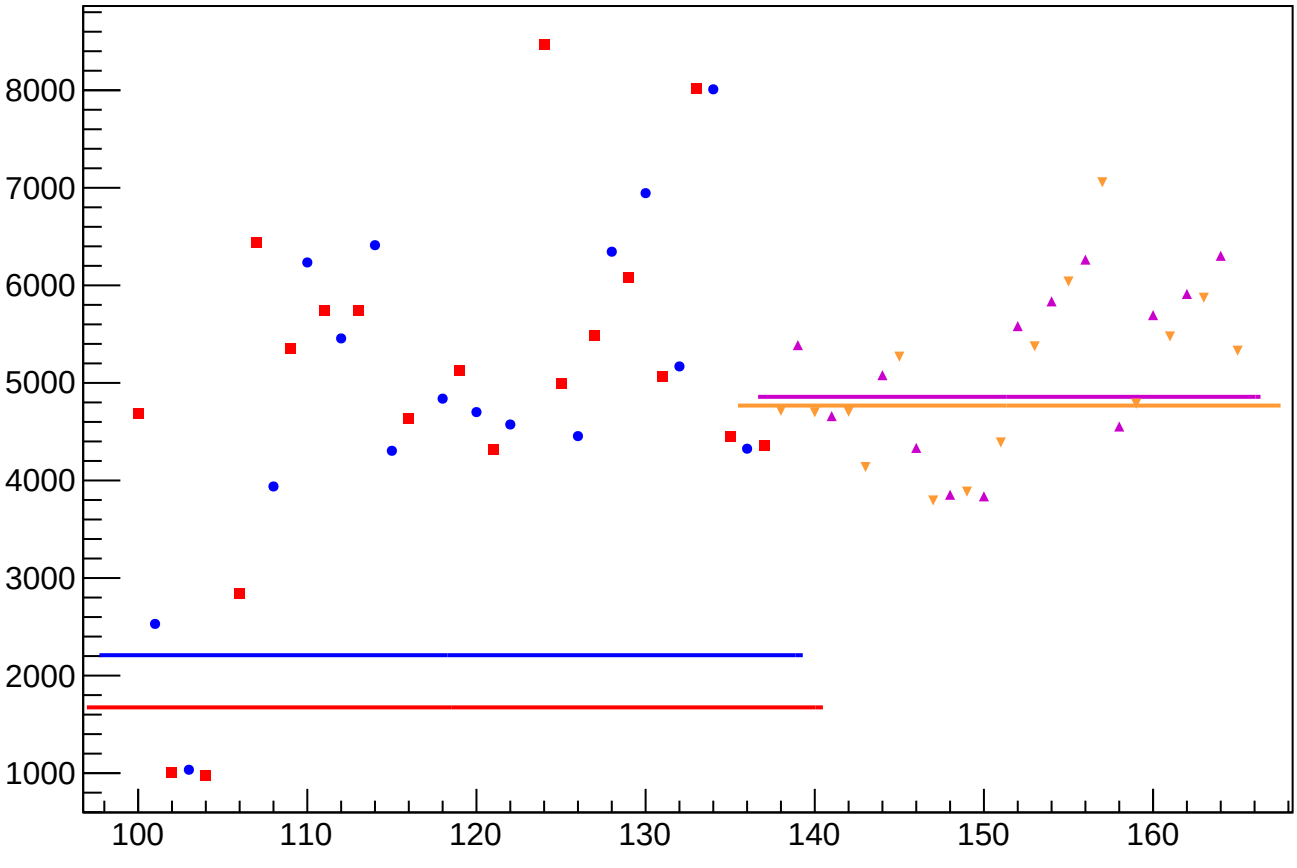
Left: 656.001+/-1026.480 χ^2/NDF: 27.4/27

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -300.822+/-870.976 χ^2/NDF:24.9/28

Out: 172.410+/-719.372 χ^2/NDF:31.3/33

All: -19.500+/-554.649 χ^2/NDF: 56.3/62



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4767.846+/-1.000 χ^2/NDF:623637.3/14

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4857.510+/-1.056 χ^2/NDF:606978.1/12

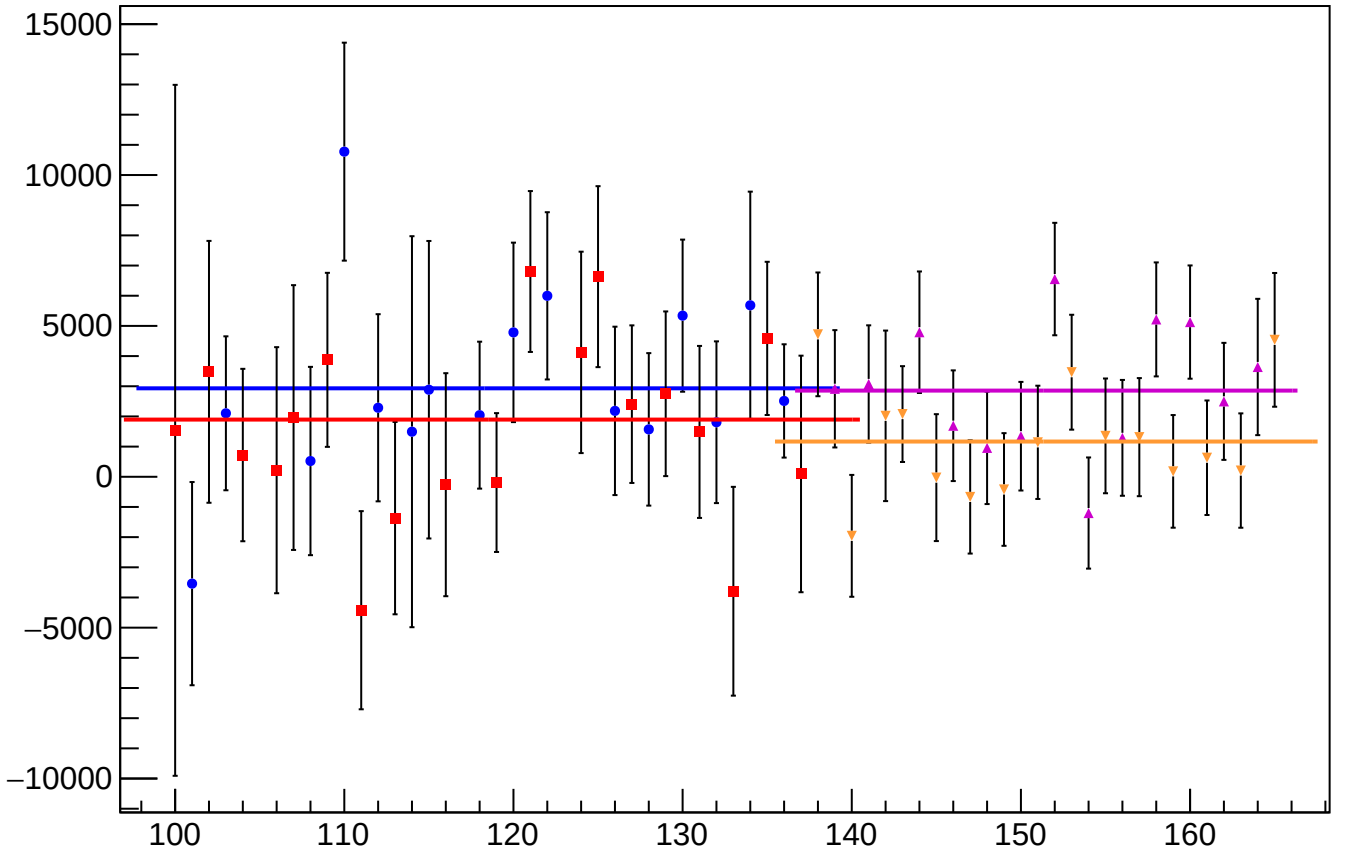
Left: 4810.237+/-0.726 χ^2/NDF: 1234419.1/27

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3110.443+/-0.616 χ^2/NDF:10258476.6/28

Out: 2475.246+/-0.509 χ^2/NDF:14574744.6/33

All: 2732.838+/-0.392 χ^2/NDF: 25465581.2/6



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1168.013+/-503.384 χ^2/NDF:12.2/14

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2856.215+/-530.664 χ^2/NDF:15.7/12

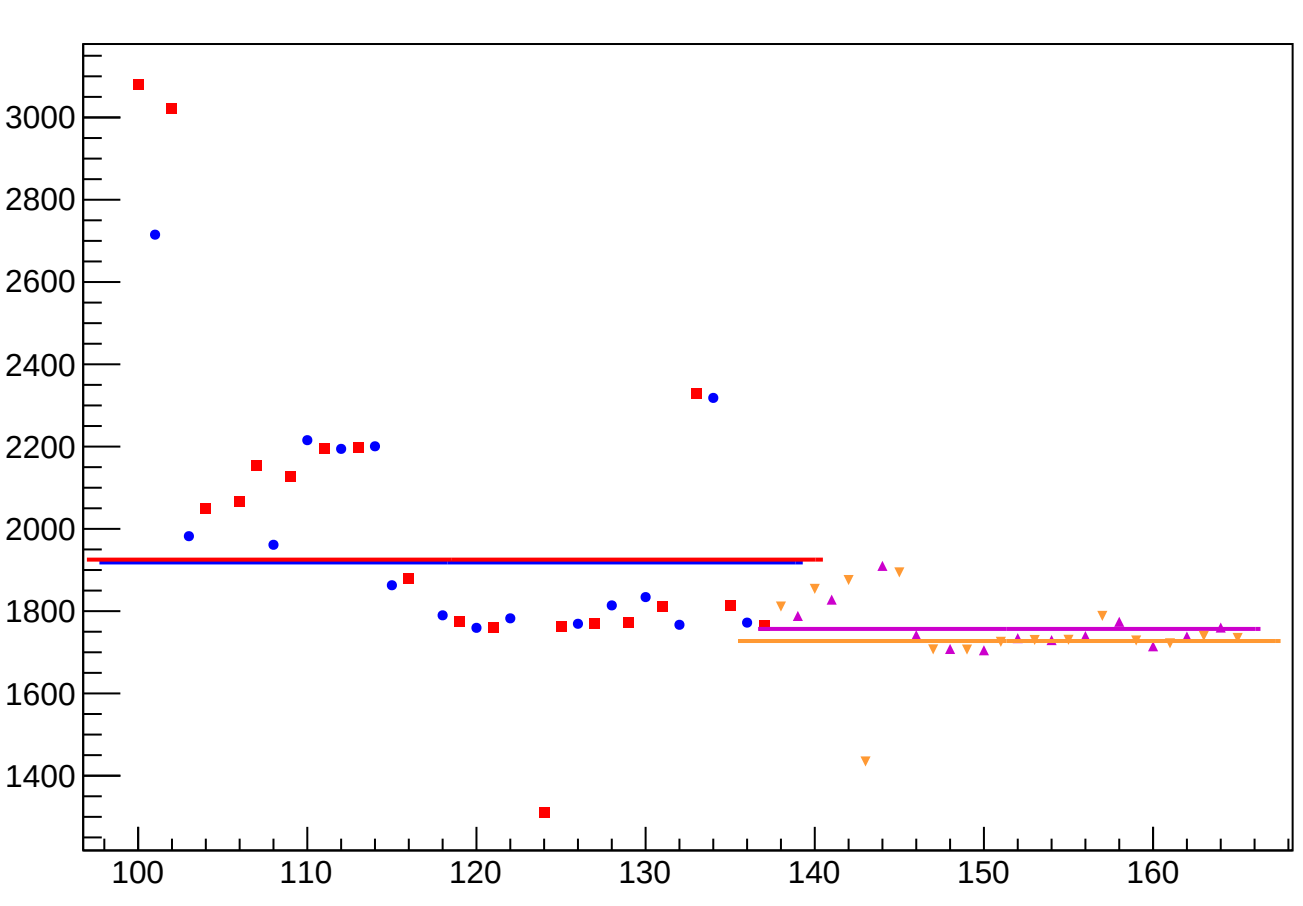
Left: 1967.608+/-365.210 χ^2/NDF: 33.3/27

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2882.865+/-426.820 χ^2/NDF:28.7/28

Out: 1405.995+/-412.920 χ^2/NDF:30.3/33

All: 2119.991+/-296.771 χ^2/NDF: 65.2/62



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.417+/-0.356 χ^2/NDF:99869.6/14

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1756.798+/-0.375 χ^2/NDF:20225.6/12

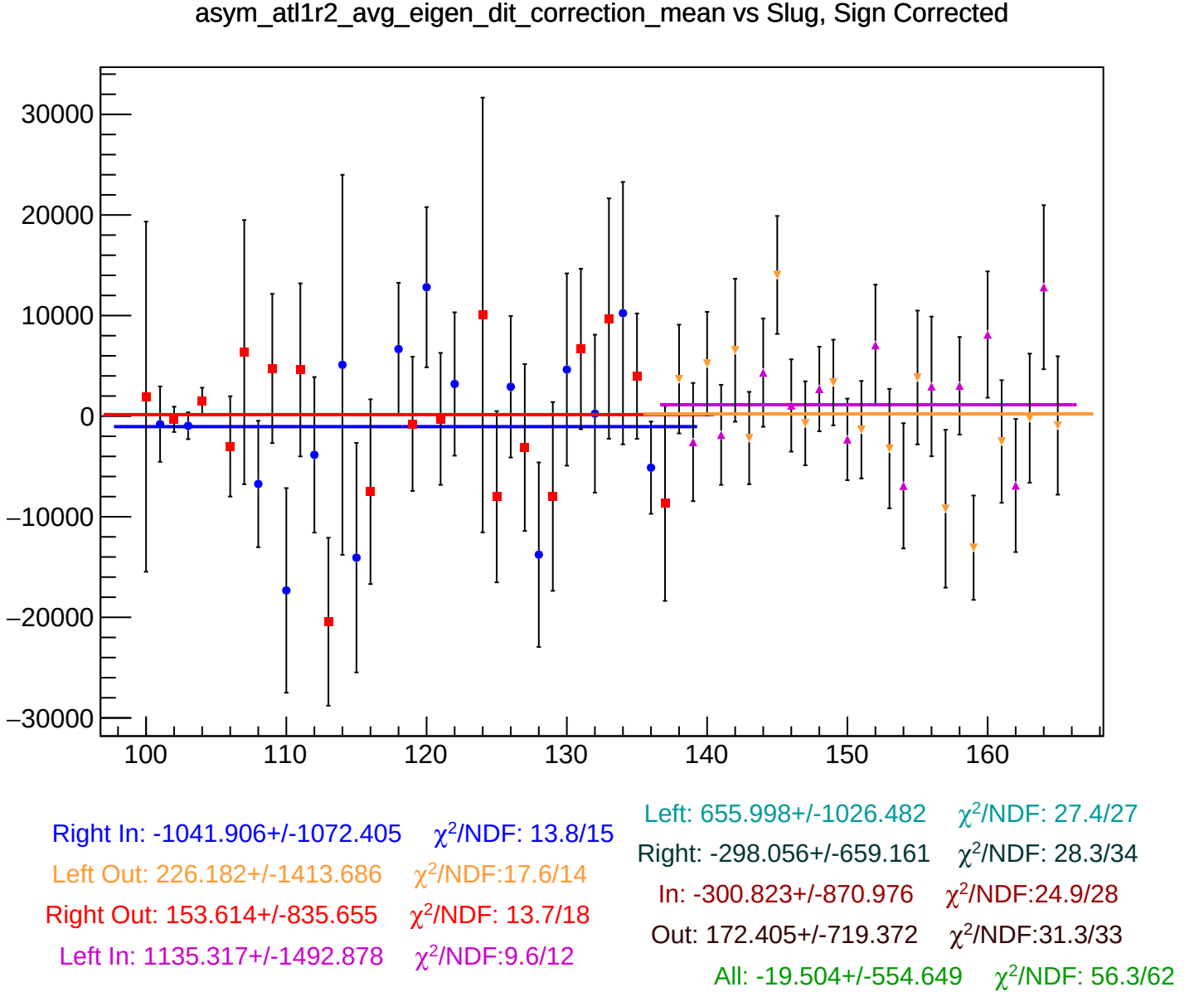
Left: 1741.333+/-0.258 χ^2/NDF: 123322.3/27

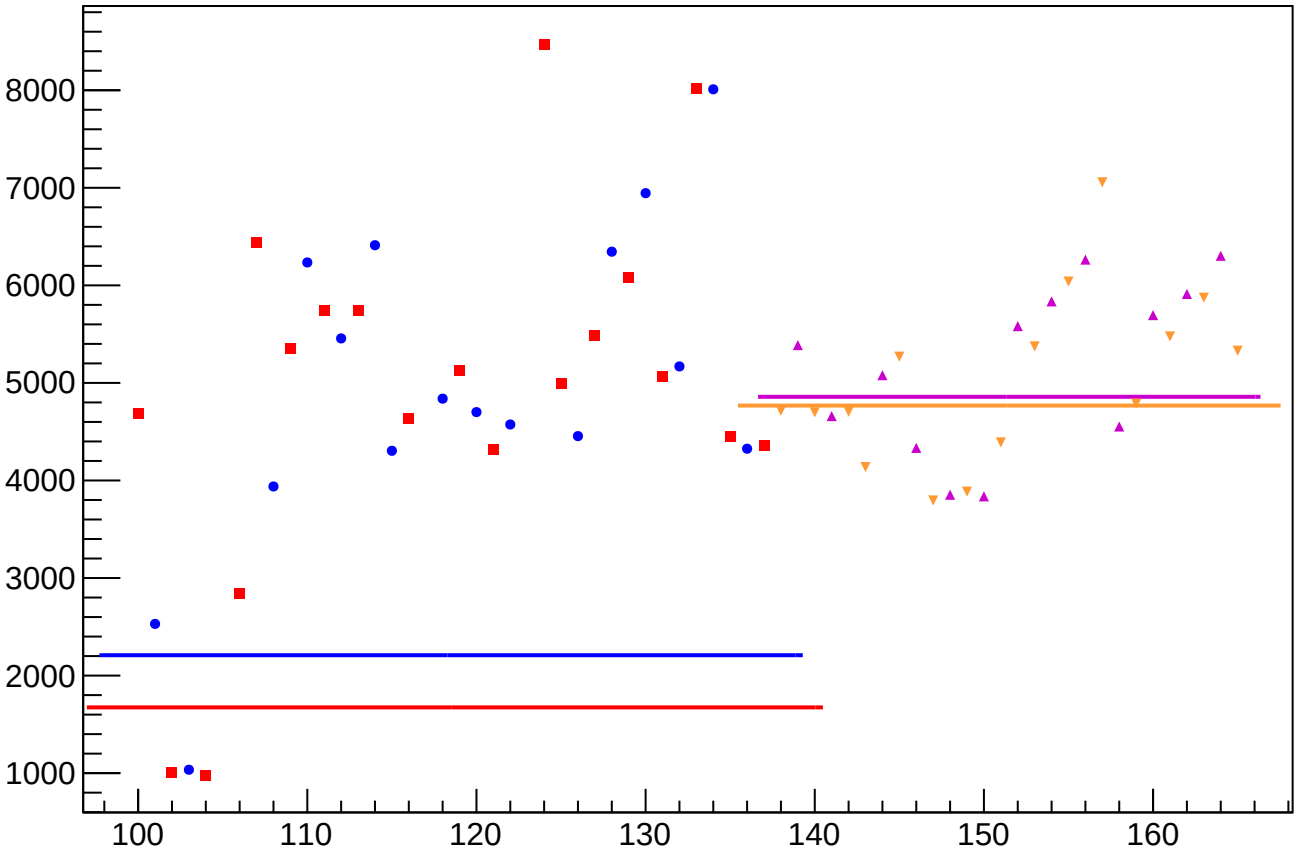
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1813.845+/-0.302 χ^2/NDF:301278.5/28

Out: 1792.208+/-0.292 χ^2/NDF:540136.7/33

All: 1802.665+/-0.210 χ^2/NDF: 844070.8/62


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 226.182+/-1413.686 χ²/NDF:17.6/14
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: 1135.317+/-1492.878 χ²/NDF:9.6/12
Left: 655.998+/-1026.482 χ²/NDF: 27.4/27
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -300.823+/-870.976 χ²/NDF:24.9/28
Out: 172.405+/-719.372 χ²/NDF:31.3/33
All: -19.504+/-554.649 χ²/NDF: 56.3/62



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4767.854+/-1.000 χ^2/NDF:623637.4/14

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4857.517+/-1.056 χ^2/NDF:606977.6/12

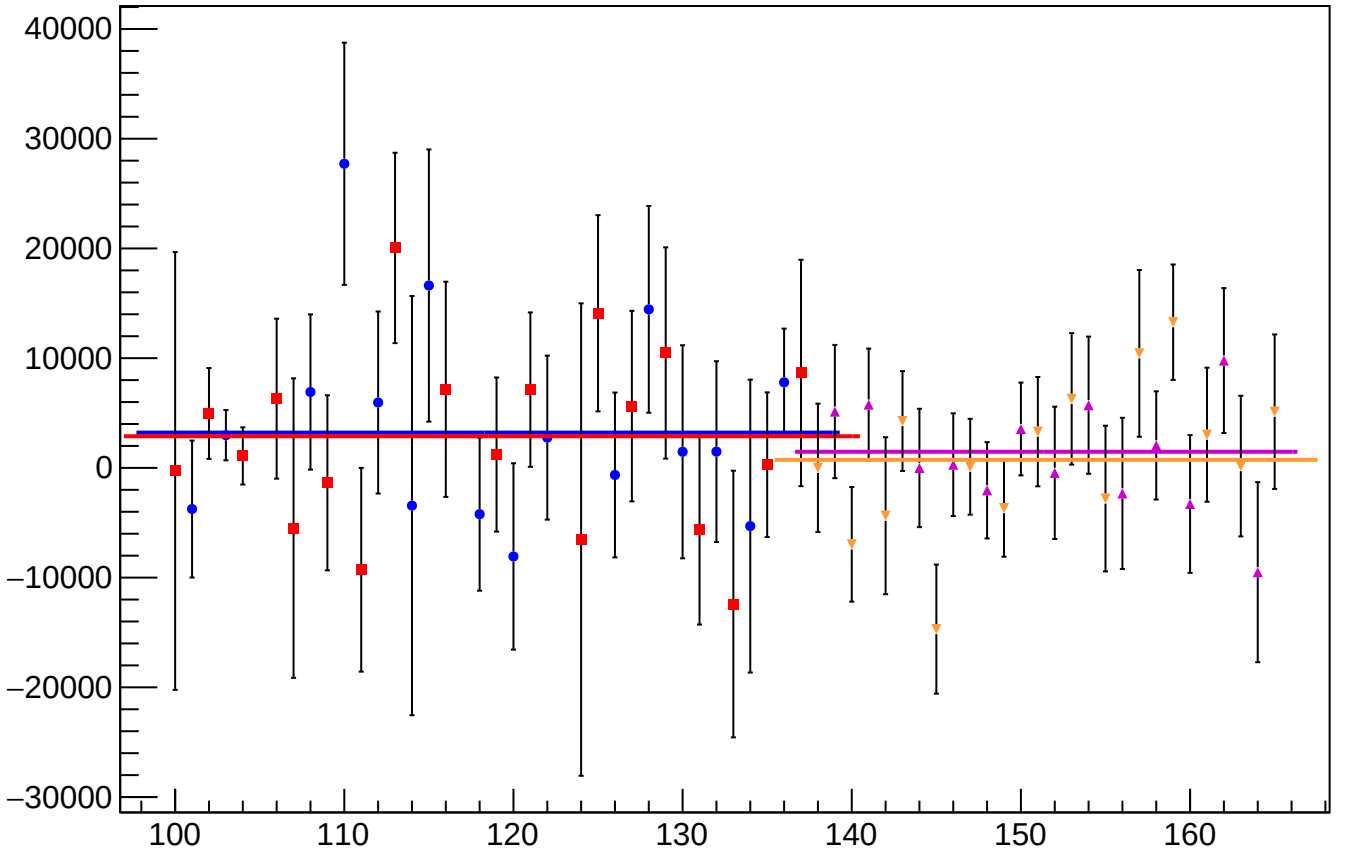
Left: 4810.244+/-0.726 χ^2/NDF: 1234418.7/27

Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3110.443+/-0.616 χ^2/NDF:10258488.8/28

Out: 2475.245+/-0.509 χ^2/NDF:14574759.0/33

All: 2732.838+/-0.392 χ^2/NDF: 25465608.0/6



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 733.591+/-1441.104 χ^2/NDF:20.4/14

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1470.958+/-1521.866 χ^2/NDF:6.9/12

Left: 1082.190+/-1046.401 χ^2/NDF: 27.5/27

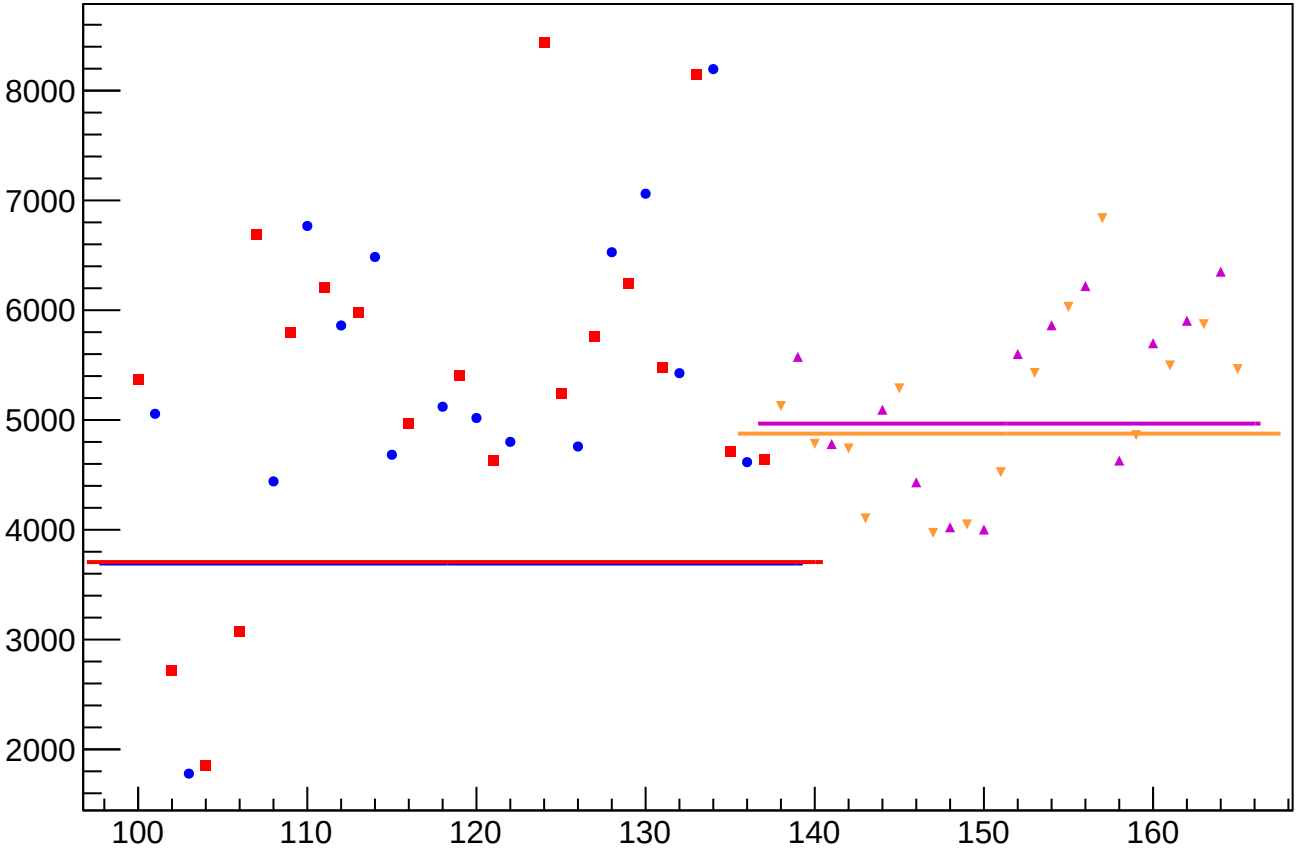
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2333.412+/-1082.220 χ^2/NDF:21.4/28

Out: 1728.875+/-1056.083 χ^2/NDF:34.9/33

All: 2023.755+/-755.835 χ^2/NDF: 56.4/62

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4875.683+/-1.019 χ^2/NDF:531523.7/14

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4967.140+/-1.076 χ^2/NDF:509349.8/12

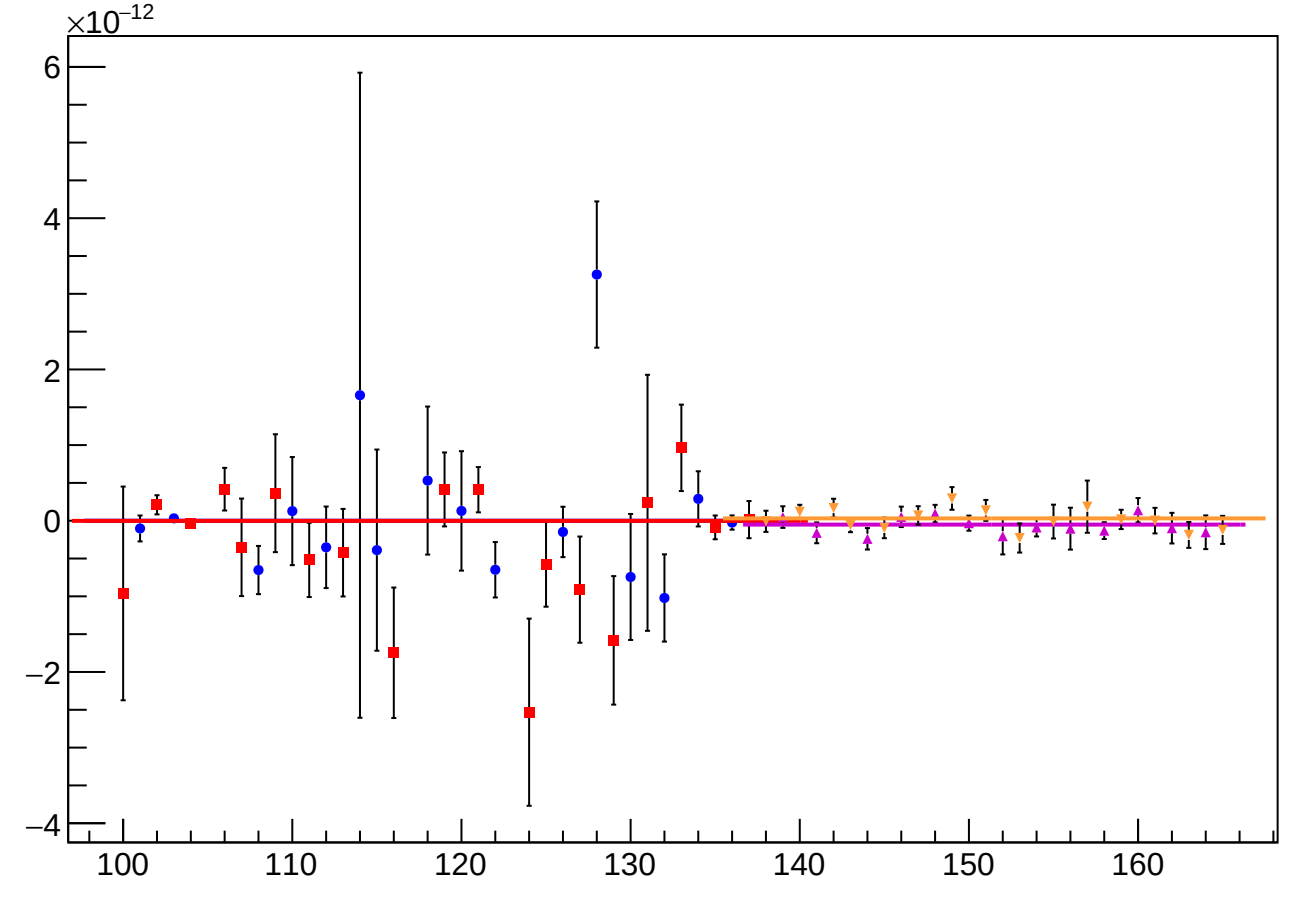
Left: 4918.920+/-0.740 χ^2/NDF: 1044681.7/27

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4337.219+/-0.765 χ^2/NDF:4088183.1/28

Out: 4328.363+/-0.743 χ^2/NDF:3832531.2/33

All: 4332.662+/-0.533 χ^2/NDF: 7920783.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/12

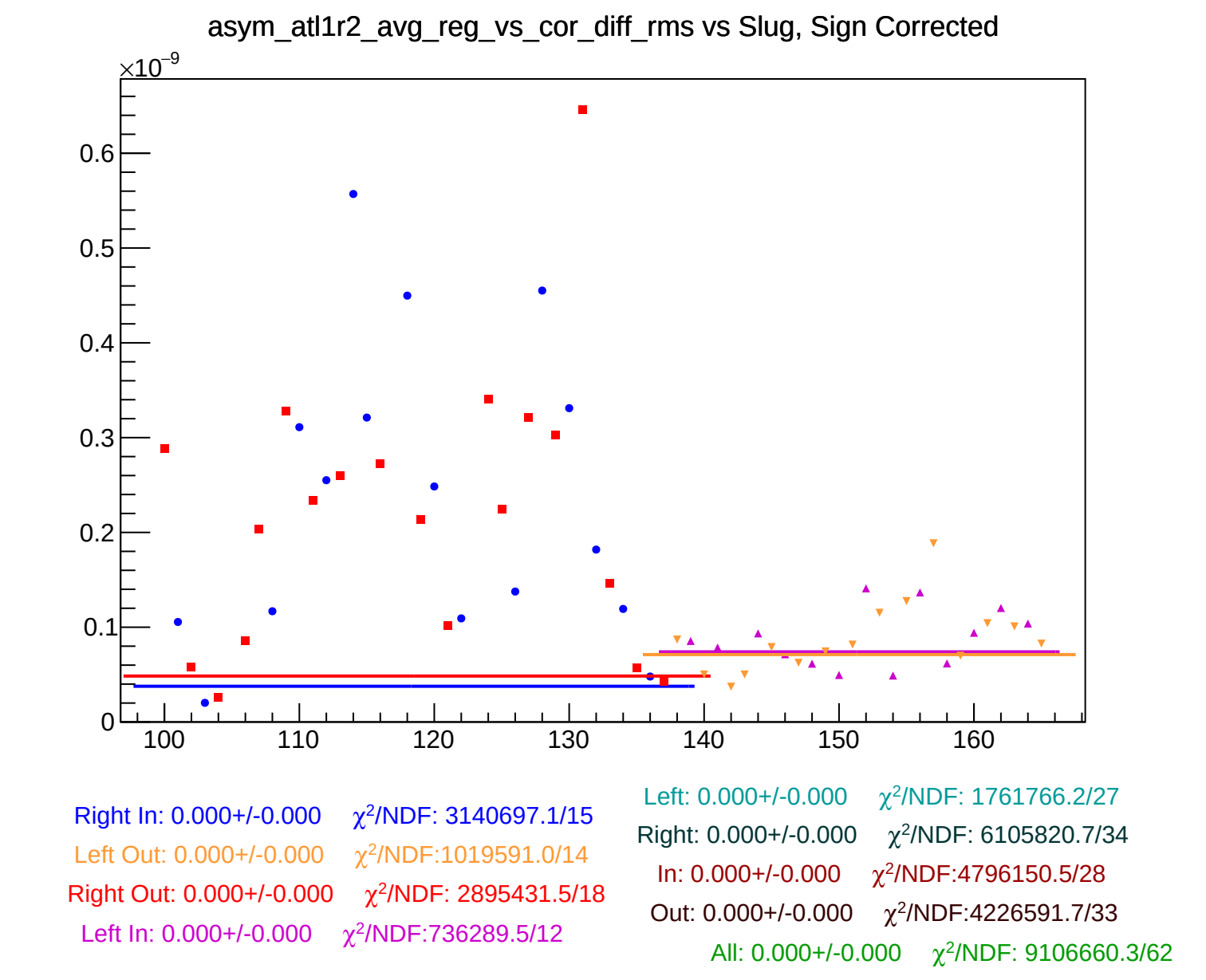
Left: -0.000+/-0.000 χ^2/NDF: 22.3/27

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

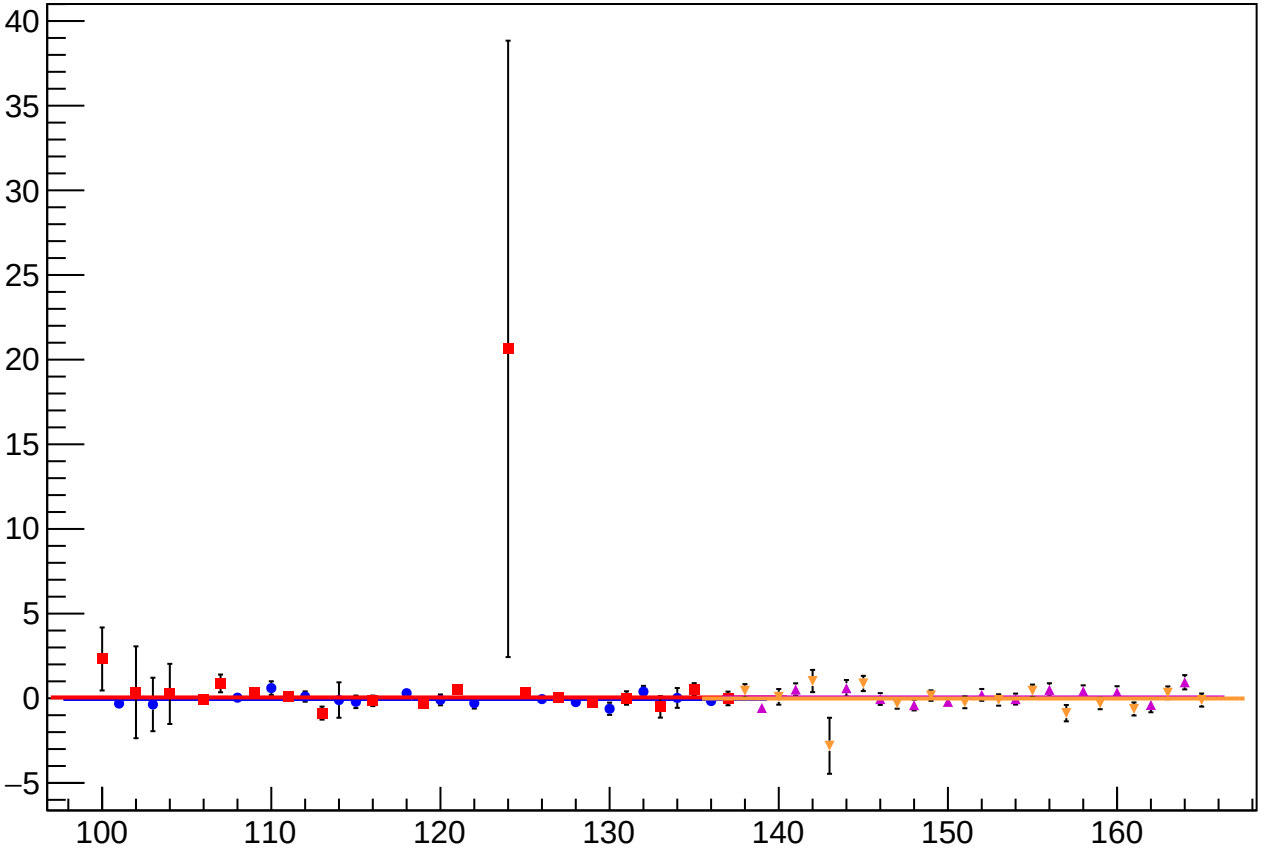
In: -0.000+/-0.000 χ^2/NDF:34.1/28

Out: 0.000+/-0.000 χ^2/NDF:40.7/33

All: -0.000+/-0.000 χ^2/NDF: 76.0/62


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
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1019591.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:736289.5/12
Left: 0.000+/-0.000 χ²/NDF: 1761766.2/27
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:4796150.5/28
Out: 0.000+/-0.000 χ²/NDF:4226591.7/33
All: 0.000+/-0.000 χ²/NDF: 9106660.3/62

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: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.019+/-0.070 χ^2/NDF: 41.4/27

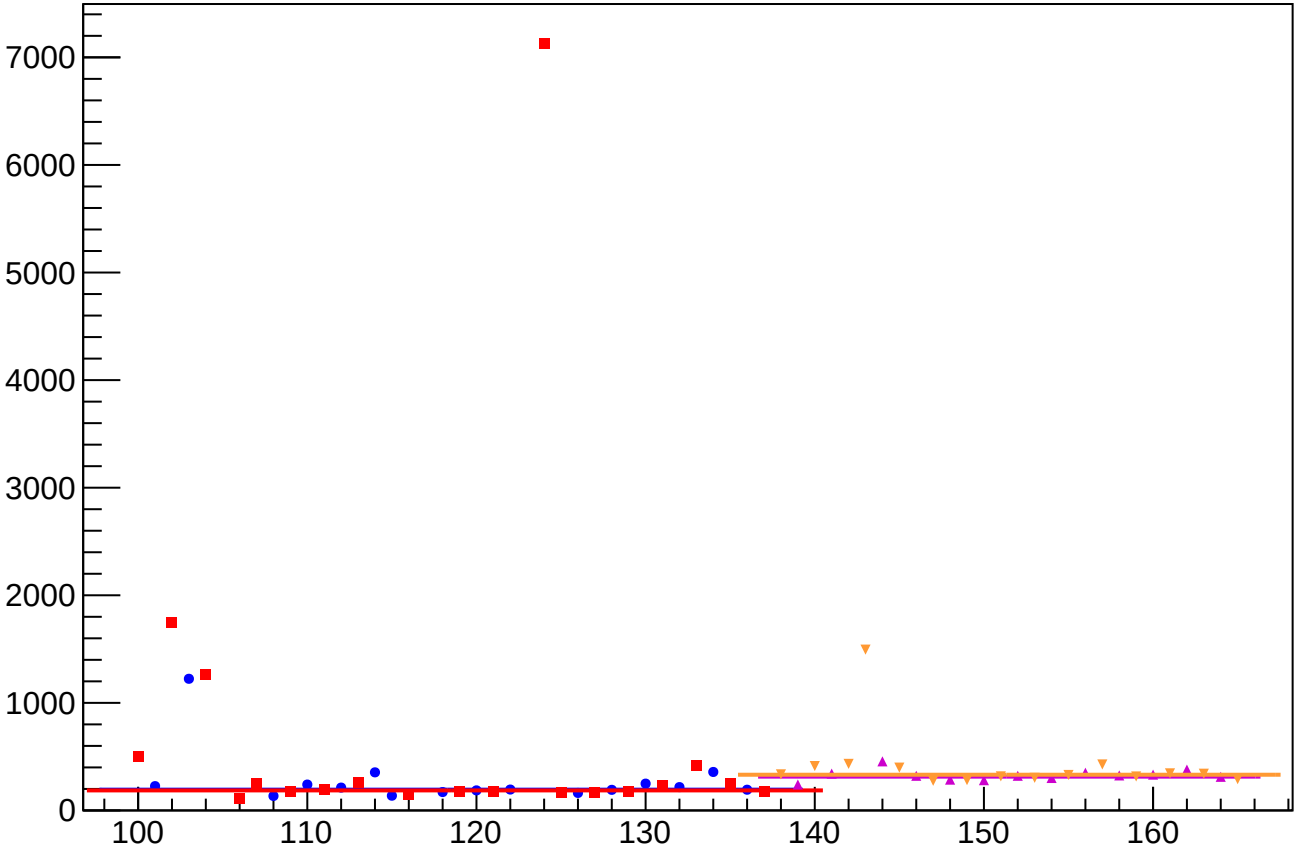
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.010+/-0.043 χ^2/NDF: 76.8/62

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: 332.040+/-0.071 χ^2/NDF:1387259.7/14

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

Left: 322.860+/-0.050 χ^2/NDF: 1862998.3/27

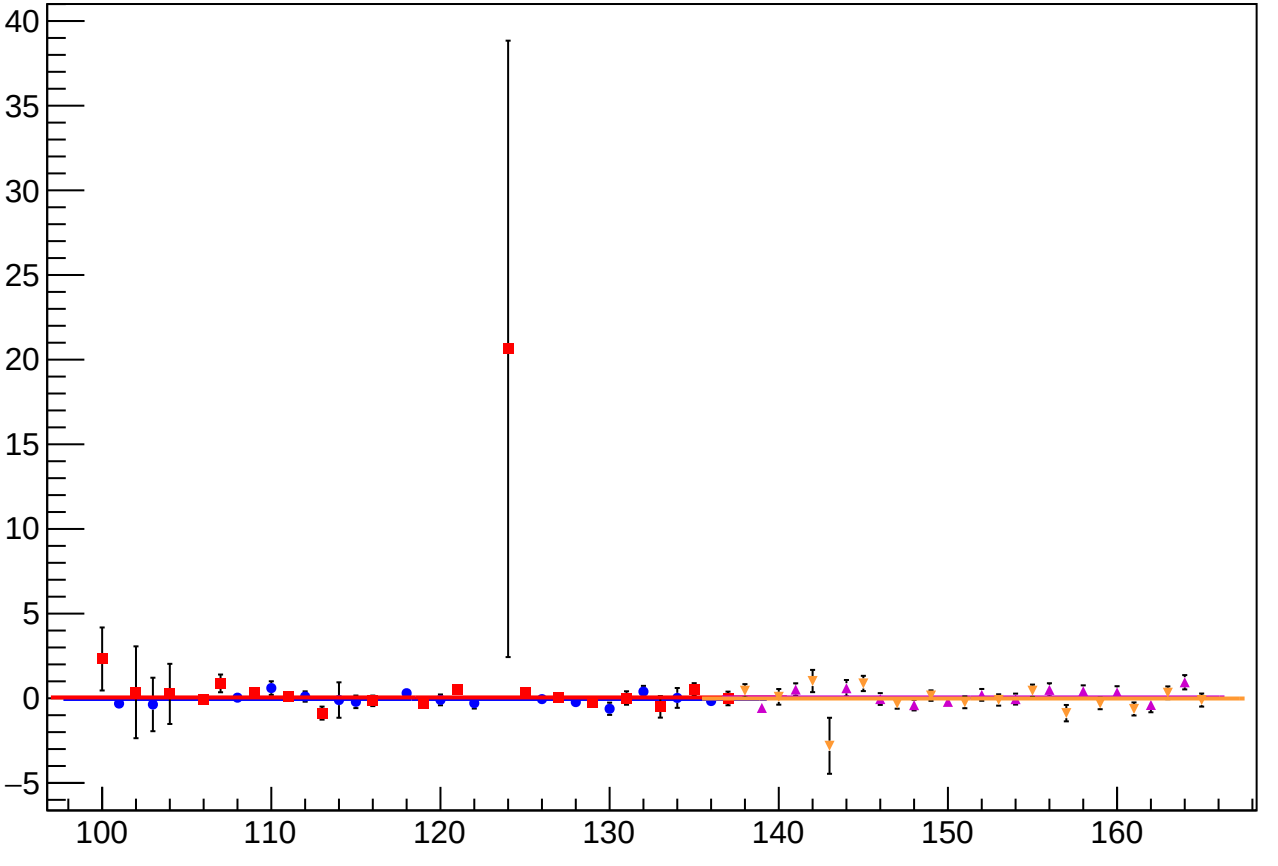
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 240.466+/-0.043 χ^2/NDF:3743963.9/28

Out: 241.465+/-0.044 χ^2/NDF:6451388.9/33

All: 240.954+/-0.031 χ^2/NDF: 10195617.3/62

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: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.019+/-0.070 χ^2/NDF: 41.4/27

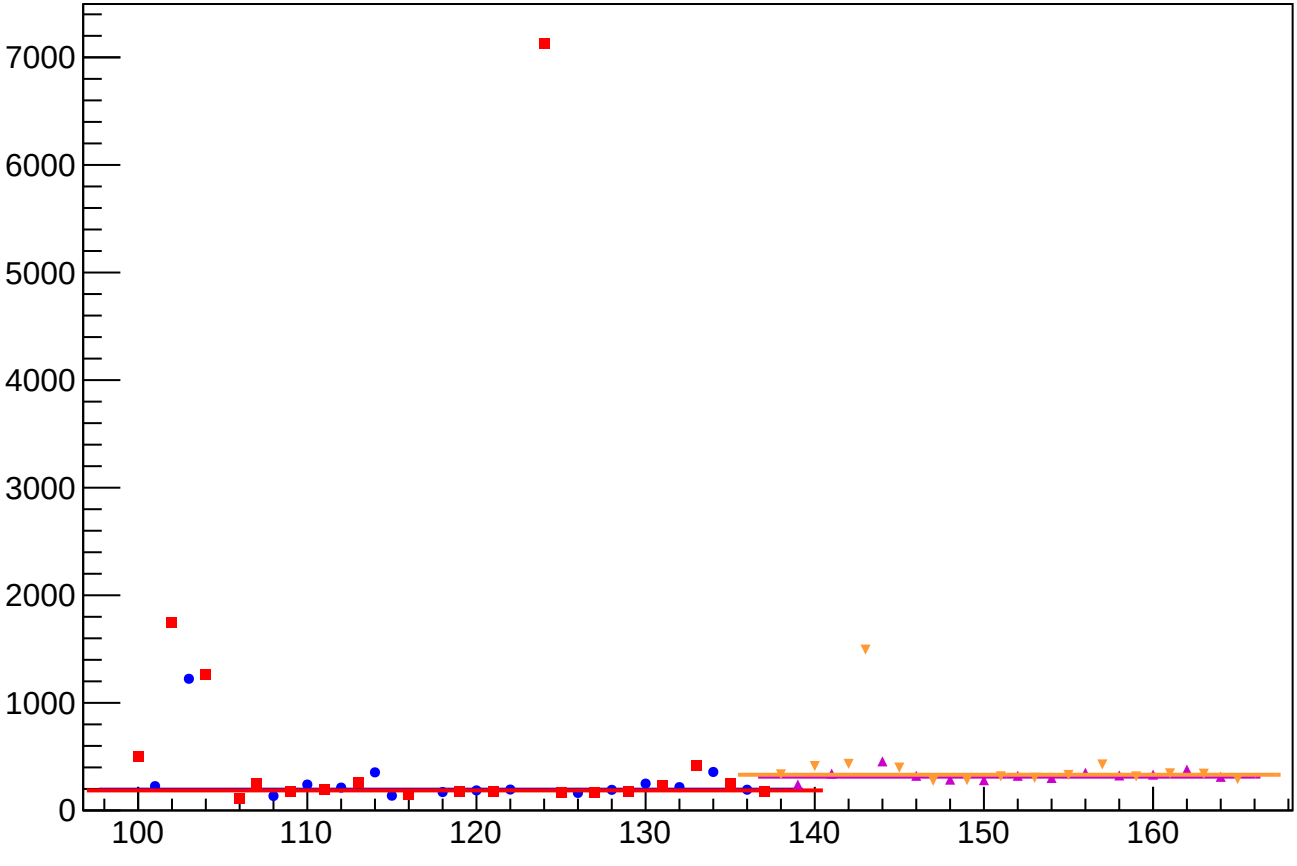
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.010+/-0.043 χ^2/NDF: 76.8/62

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: 332.040+/-0.071 χ^2/NDF:1387259.7/14

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

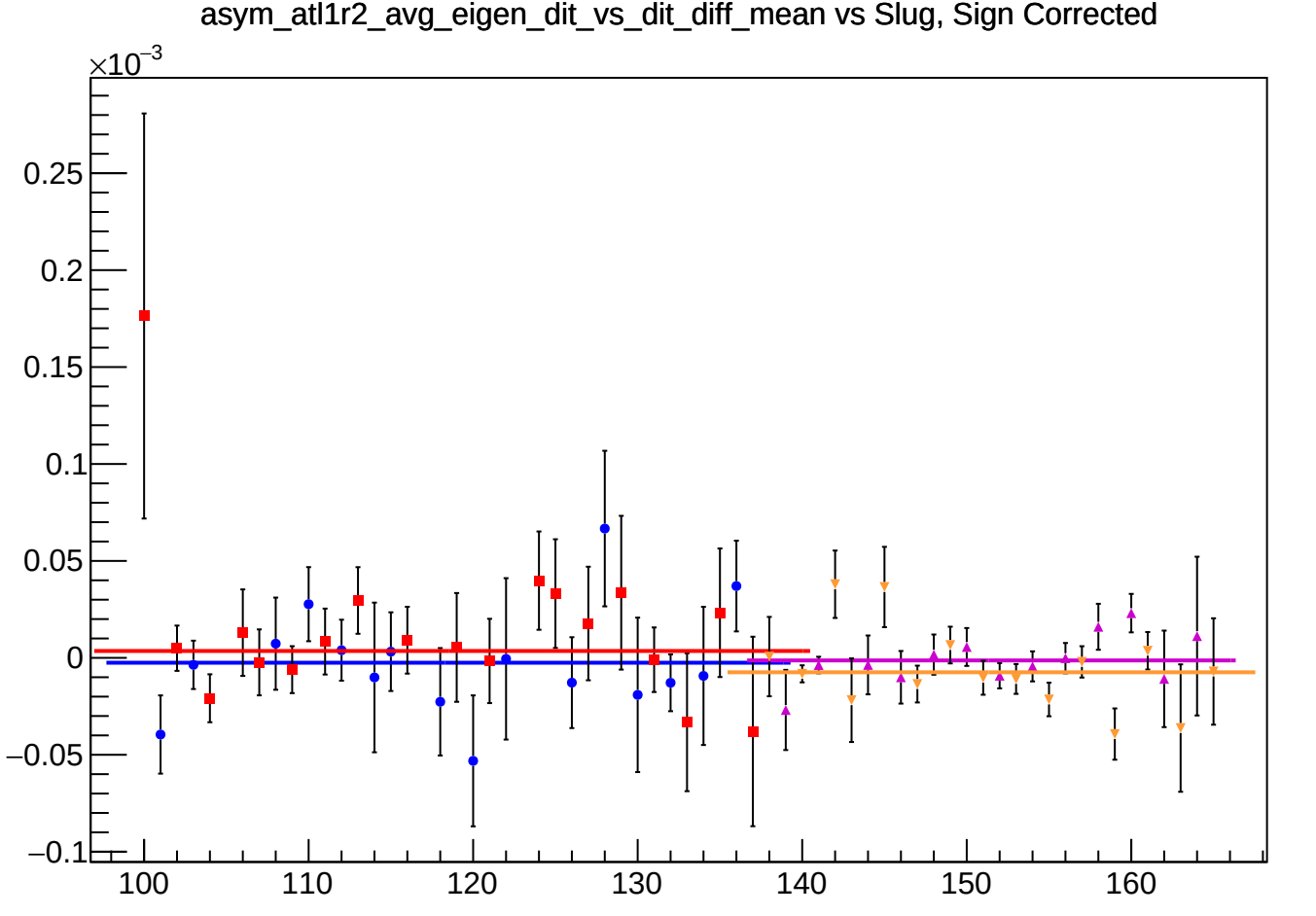
Left: 322.860+/-0.050 χ^2/NDF: 1862998.3/27

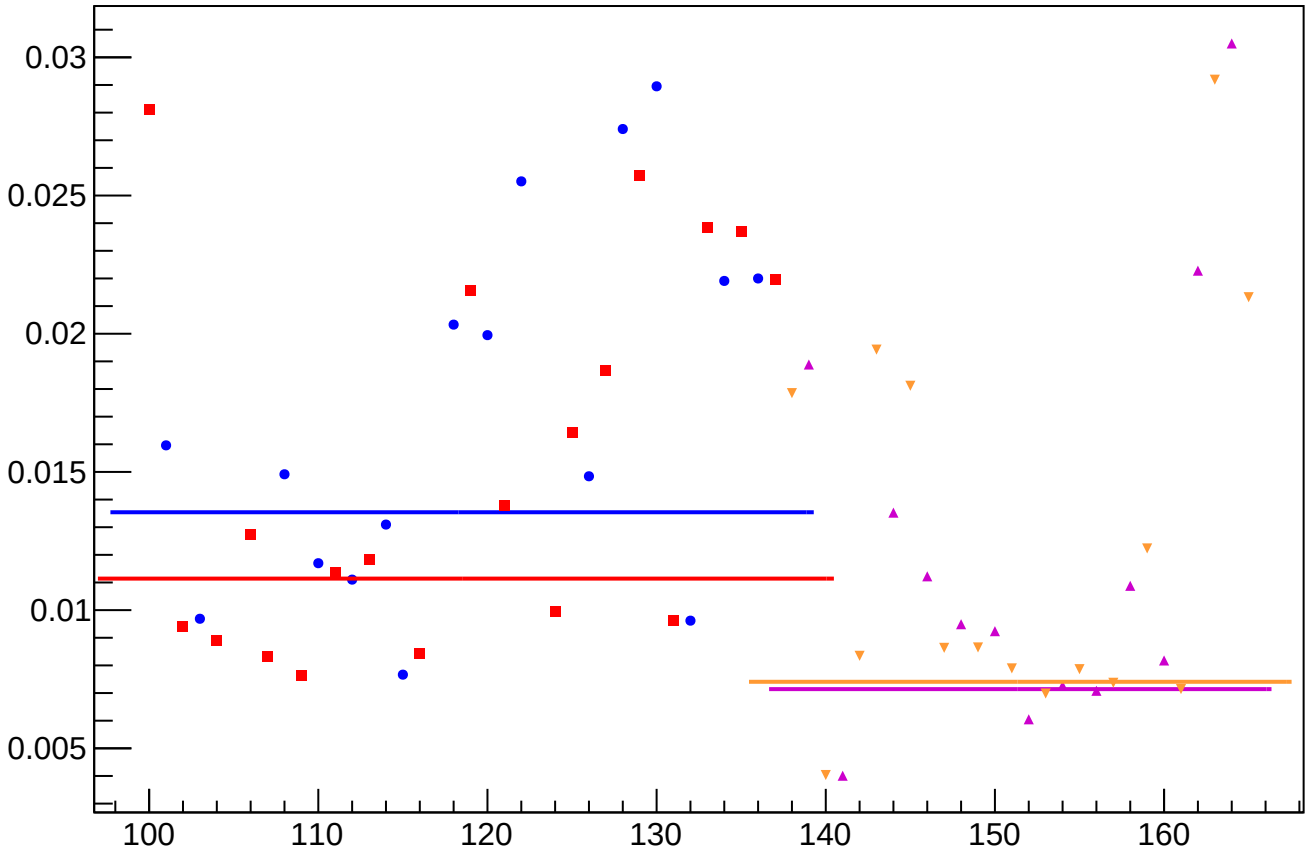
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 240.466+/-0.043 χ^2/NDF:3743963.9/28

Out: 241.465+/-0.044 χ^2/NDF:6451388.9/33

All: 240.954+/-0.031 χ^2/NDF: 10195617.3/62


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
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:25.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/12
Left: -0.000+/-0.000 χ²/NDF: 41.8/27
Right: 0.000+/-0.000 χ²/NDF: 32.9/34
In: -0.000+/-0.000 χ²/NDF:28.8/28
Out: -0.000+/-0.000 χ²/NDF:46.8/33
All: -0.000+/-0.000 χ²/NDF: 76.7/62



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4604721.6/14

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4121099.7/12

Left: 0.007+/-0.000 χ^2/NDF: 8737223.1/27

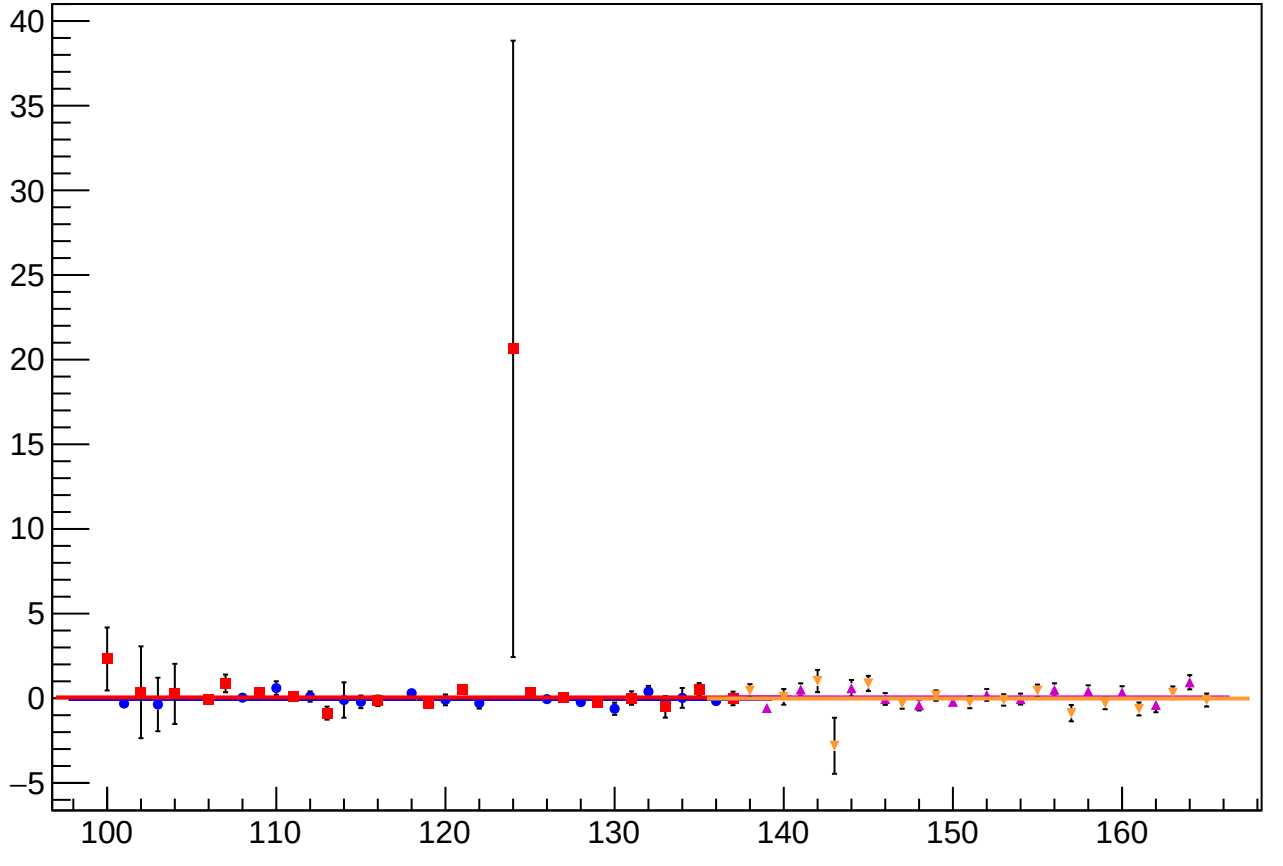
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8281437.8/28

Out: 0.008+/-0.000 χ^2/NDF:7559652.8/33

All: 0.008+/-0.000 χ^2/NDF: 15841717.3/62

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: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.019+/-0.070 χ^2/NDF: 41.4/27

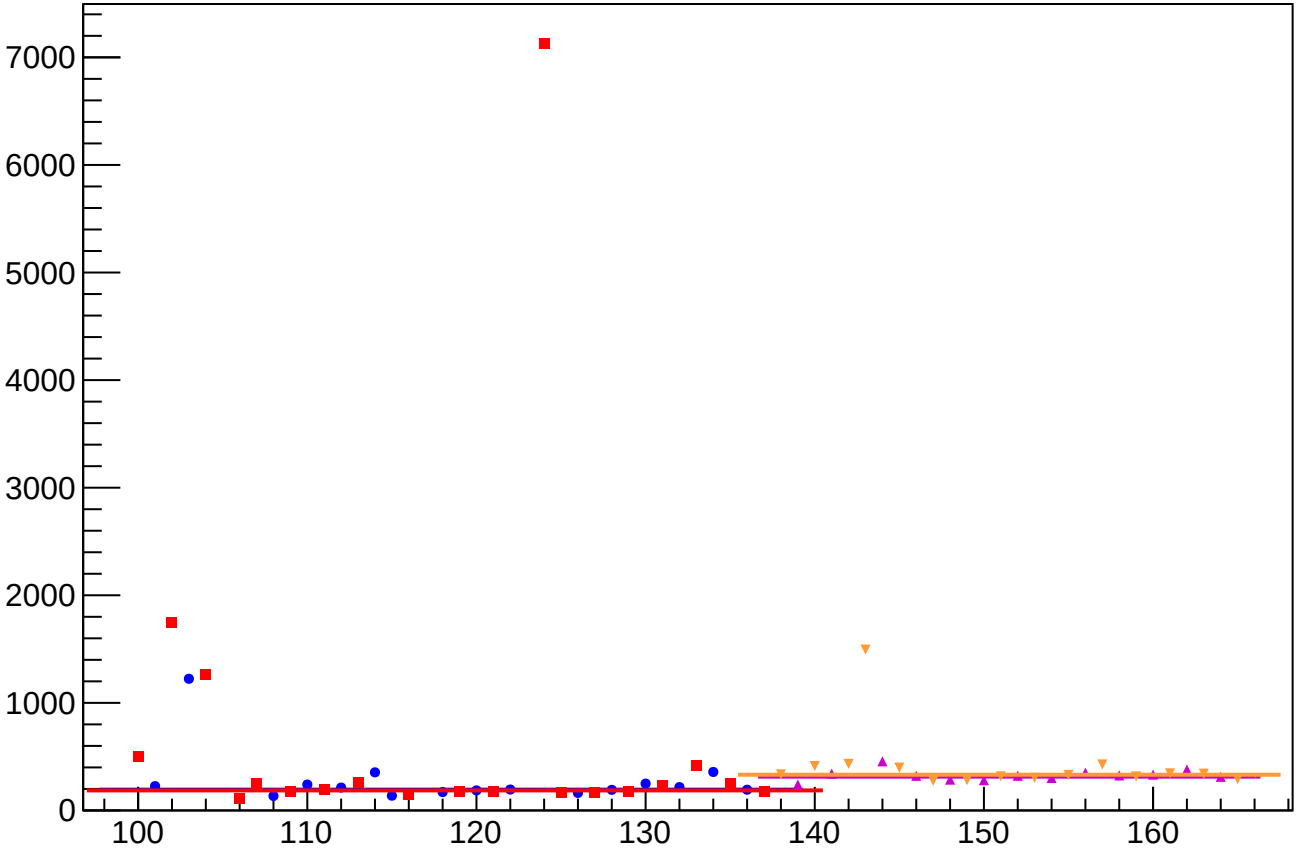
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.010+/-0.043 χ^2/NDF: 76.8/62

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: 332.046+/-0.071 χ^2/NDF:1387227.7/14

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

Left: 322.865+/-0.050 χ^2/NDF: 1862956.4/27

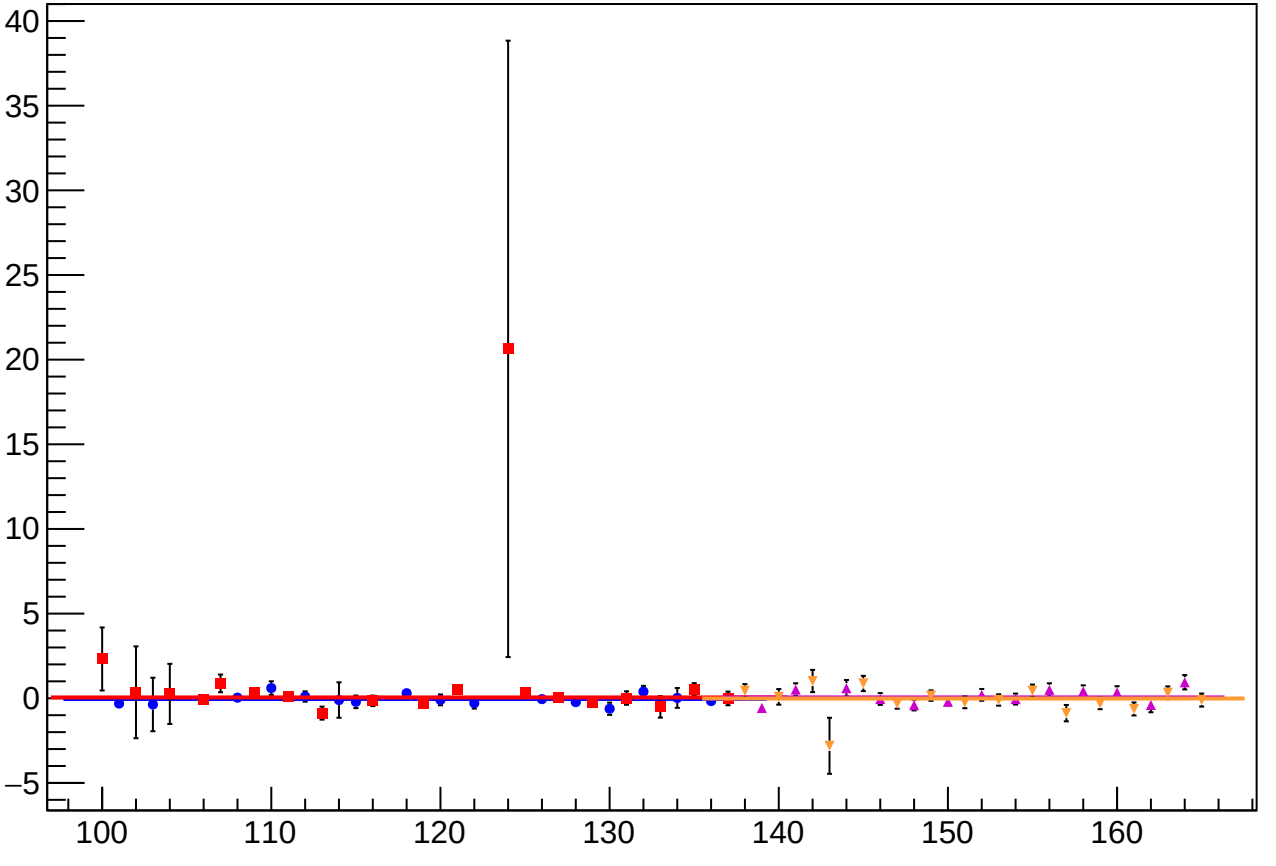
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 240.466+/-0.043 χ^2/NDF:3744120.7/28

Out: 241.464+/-0.044 χ^2/NDF:6451630.1/33

All: 240.953+/-0.031 χ^2/NDF: 10196014.9/62

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: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.019+/-0.070 χ^2/NDF: 41.4/27

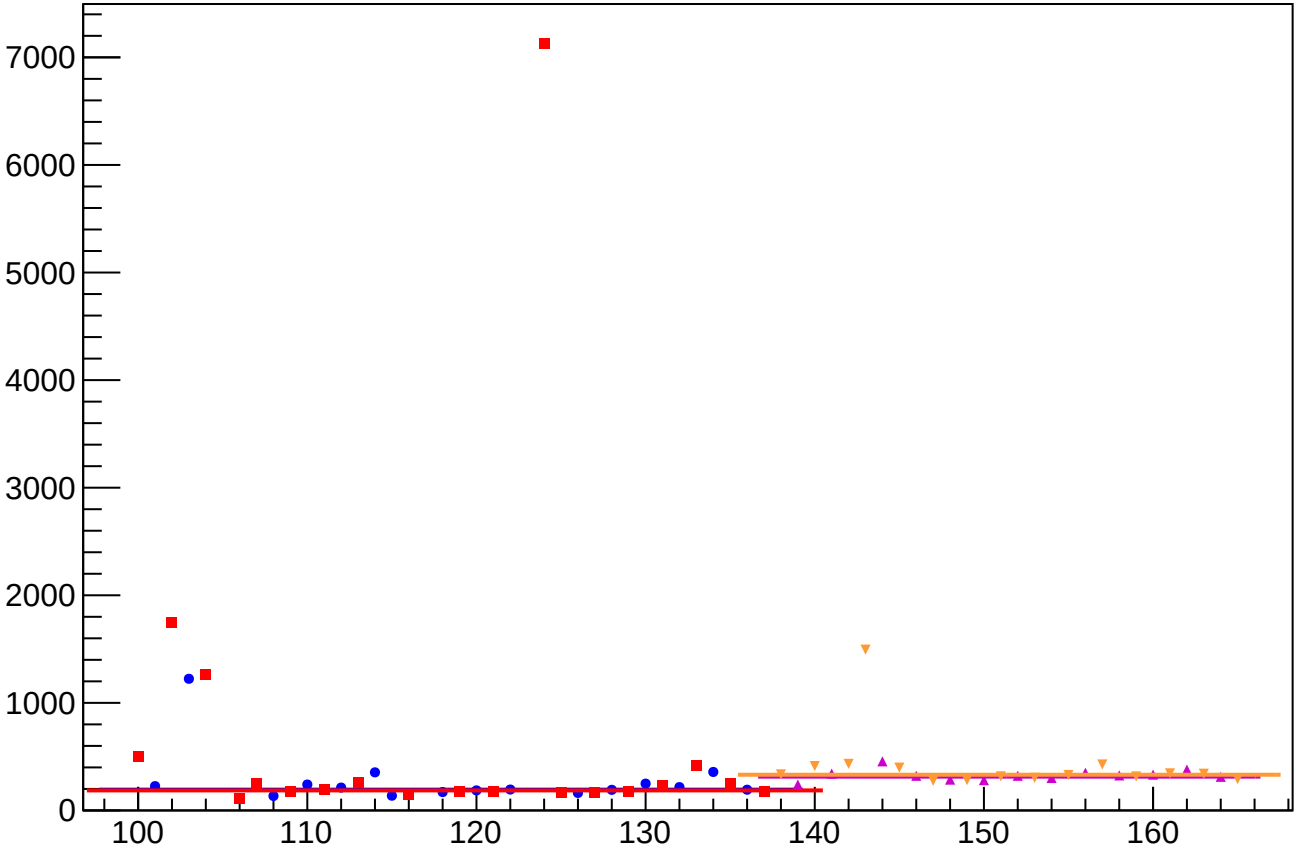
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.010+/-0.043 χ^2/NDF: 76.8/62

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: 332.046+/-0.071 χ^2/NDF:1387227.7/14

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

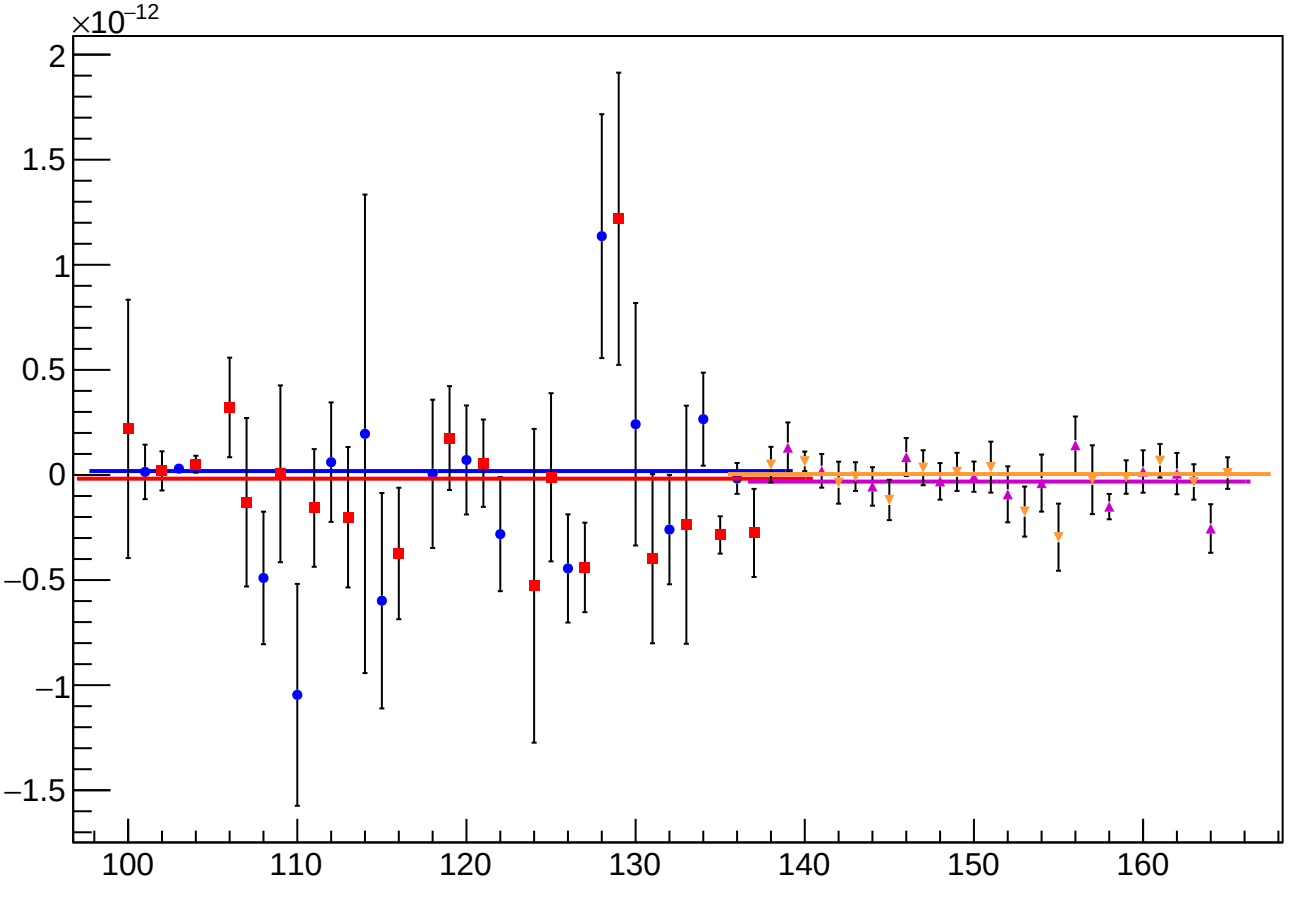
Left: 322.865+/-0.050 χ^2/NDF: 1862956.4/27

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 240.466+/-0.043 χ^2/NDF:3744120.7/28

Out: 241.464+/-0.044 χ^2/NDF:6451630.1/33

All: 240.953+/-0.031 χ^2/NDF: 10196014.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

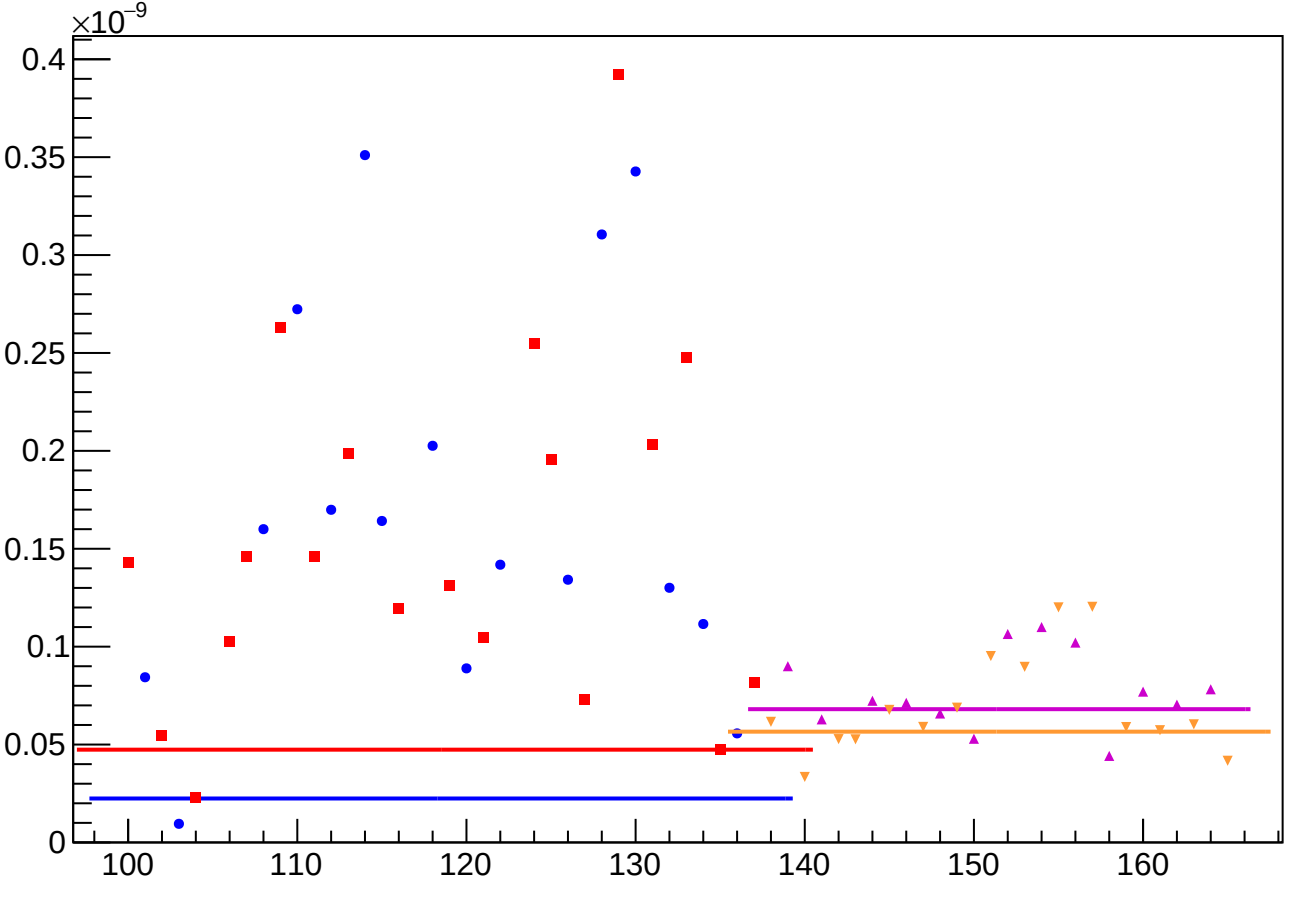
Left: -0.000+/-0.000 χ^2/NDF: 25.7/27

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:35.6/28

Out: -0.000+/-0.000 χ^2/NDF:38.2/33

All: -0.000+/-0.000 χ^2/NDF: 73.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1639630.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:998650.8/12

Left: 0.000+/-0.000 χ^2/NDF: 2871679.0/27

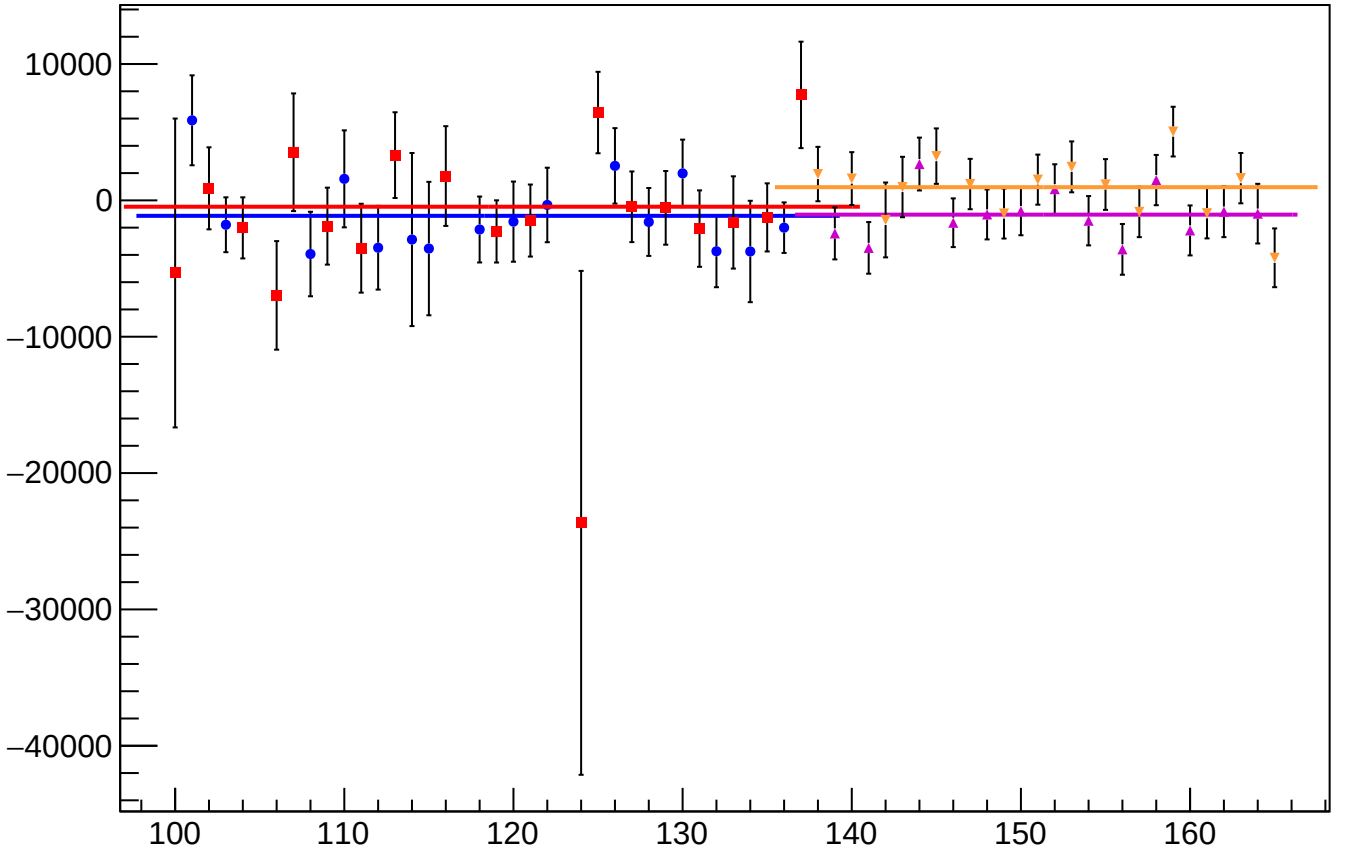
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11235706.6/28

Out: 0.000+/-0.000 χ^2/NDF:5992989.5/33

All: 0.000+/-0.000 χ^2/NDF: 17849945.6/62

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.649+/-502.953 χ^2/NDF:17.2/14

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1045.937+/-517.628 χ^2/NDF:11.3/12

Left: -10.196+/-360.718 χ^2/NDF: 36.2/27

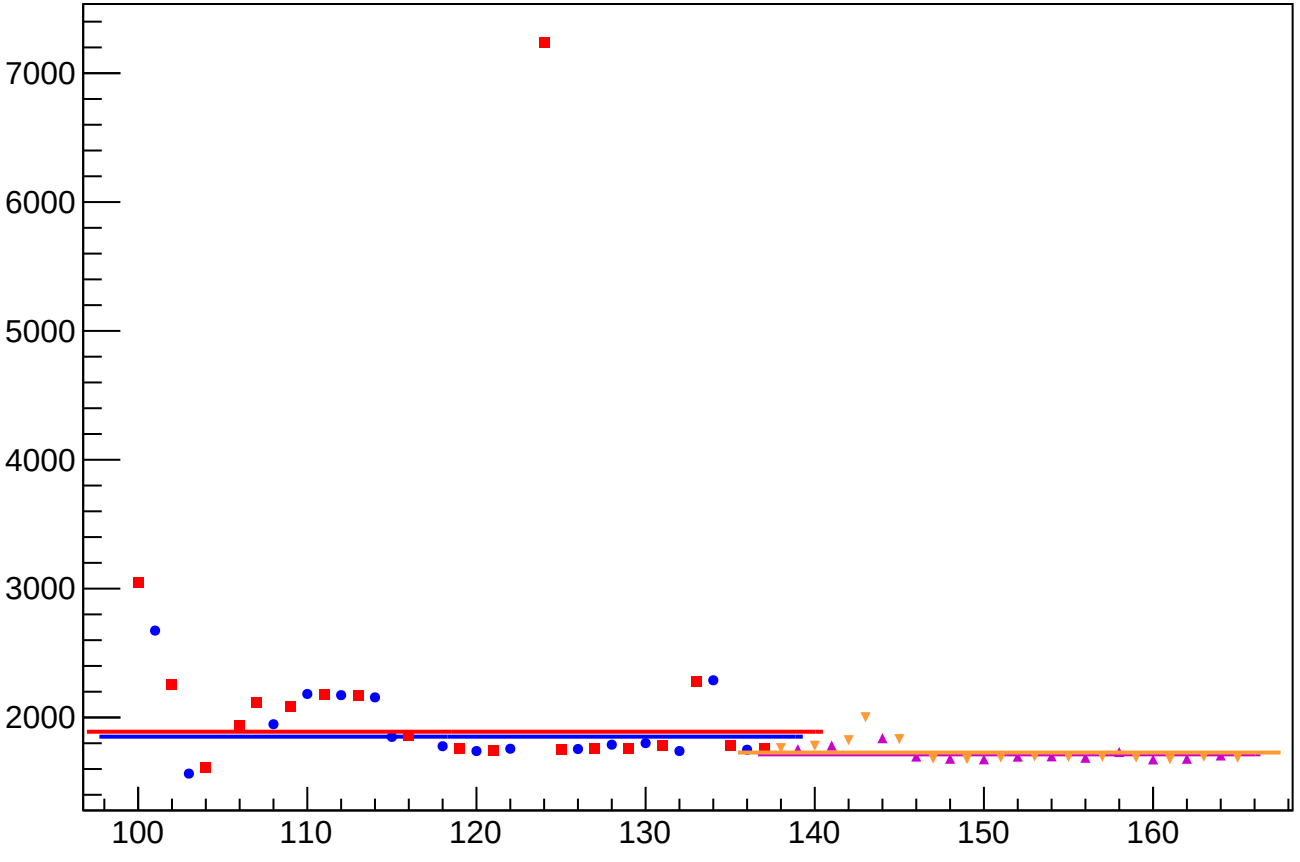
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1077.653+/-414.878 χ^2/NDF:23.5/28

Out: 485.099+/-409.621 χ^2/NDF:39.9/33

All: -286.312+/-291.487 χ^2/NDF: 70.6/62

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

Left: 1721.141+/-0.255 χ^2/NDF: 66882.1/27

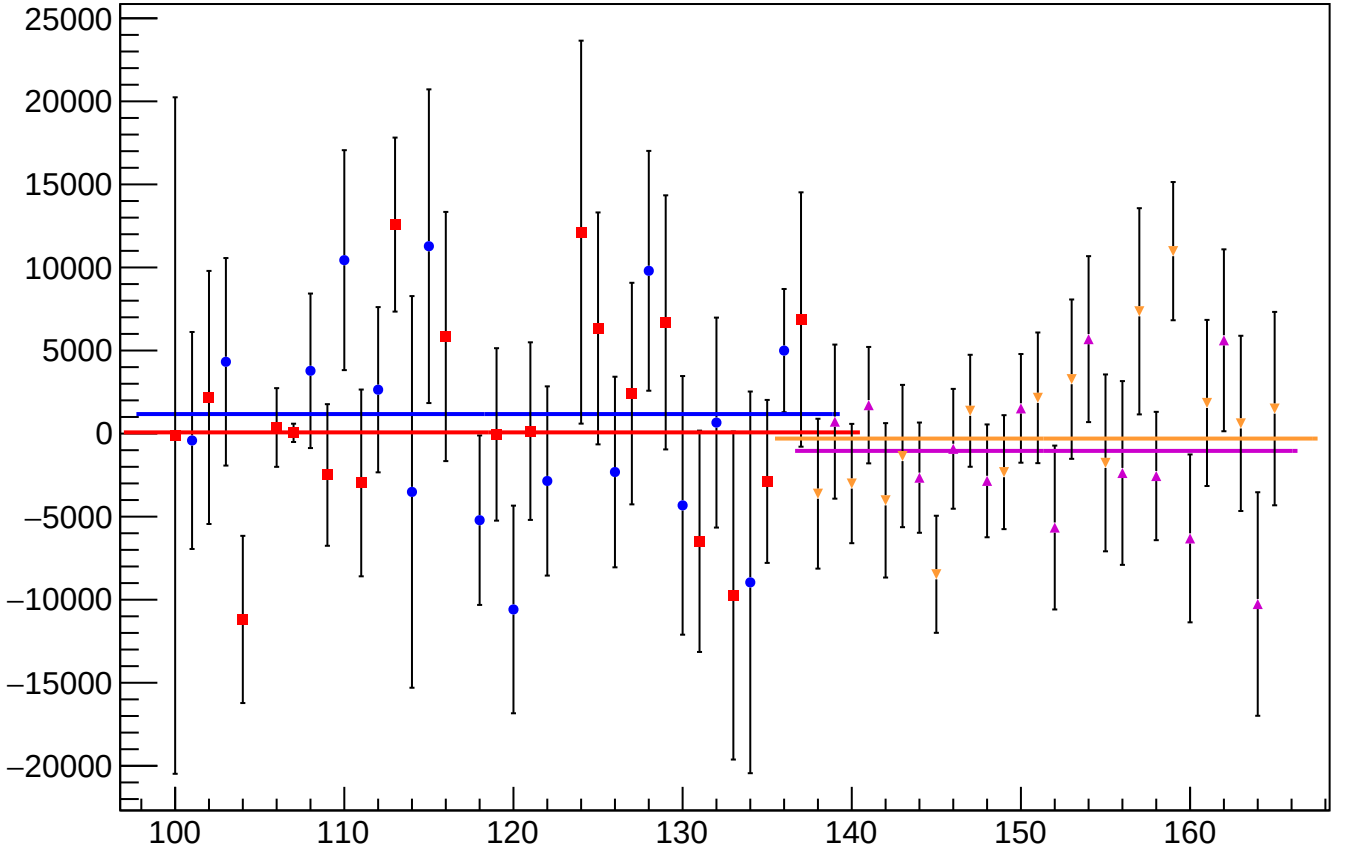
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1762.977+/-0.293 χ^2/NDF:326436.1/28

Out: 1782.536+/-0.289 χ^2/NDF:478528.2/33

All: 1772.889+/-0.206 χ^2/NDF: 807217.1/62

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -299.720+/-1108.583 χ^2/NDF:18.0/14

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -1042.124+/-1153.759 χ^2/NDF:9.2/12

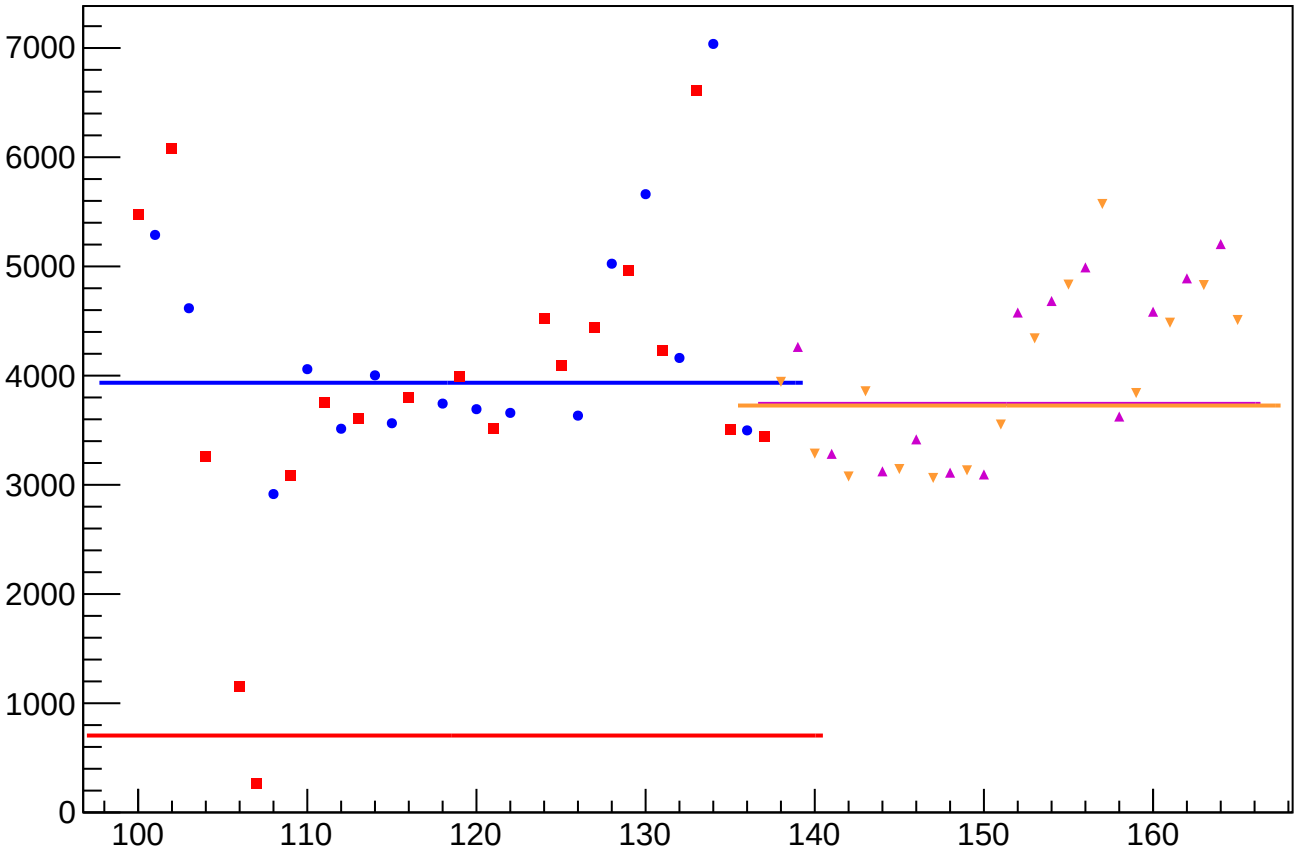
Left: -656.103+/-799.381 χ^2/NDF: 27.4/27

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -219.300+/-915.004 χ^2/NDF:24.3/28

Out: 8.538+/-460.086 χ^2/NDF:36.0/33

All: -37.442+/-411.048 χ^2/NDF: 60.4/62



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3726.156+/-0.784 χ^2/NDF:738848.1/14

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3741.236+/-0.816 χ^2/NDF:762926.8/12

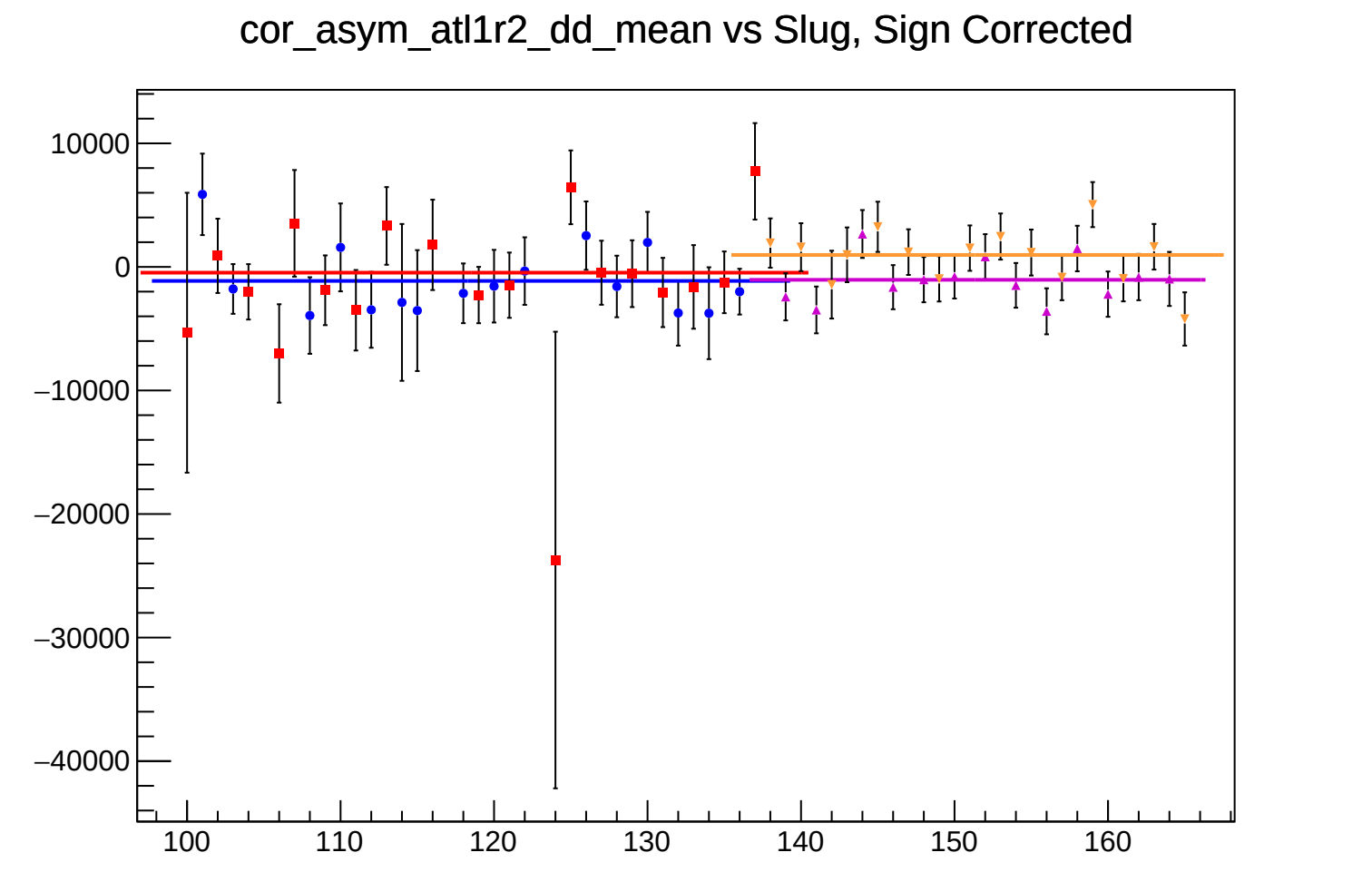
Left: 3733.395+/-0.565 χ^2/NDF: 1501952.6/27

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3813.027+/-0.647 χ^2/NDF:1343921.9/28

Out: 1224.863+/-0.325 χ^2/NDF:23657893.1/33

All: 1747.175+/-0.291 χ^2/NDF: 37774282.2/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.726+/-502.953 χ^2/NDF:17.2/14

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1045.877+/-517.628 χ^2/NDF:11.3/12

Left: -10.128+/-360.718 χ^2/NDF: 36.2/27

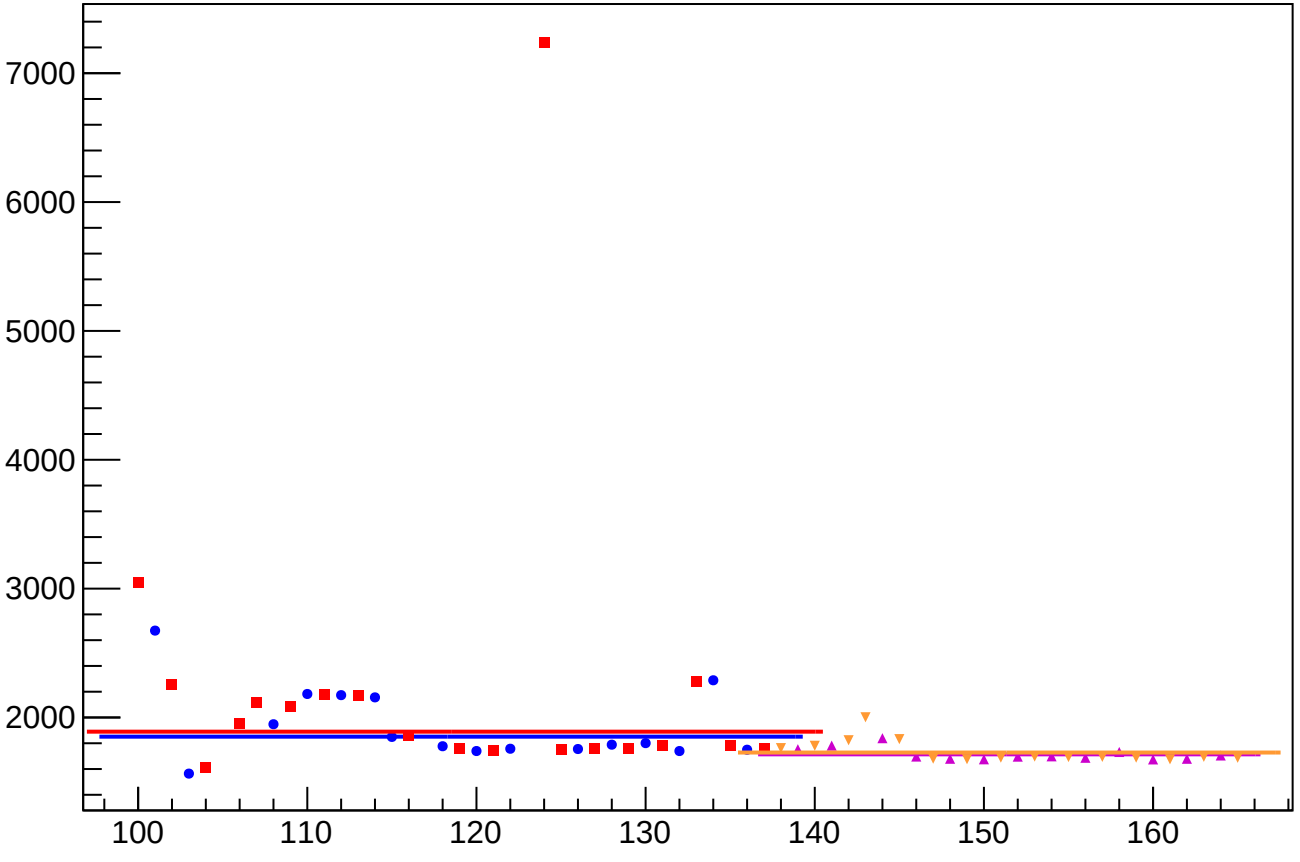
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1077.462+/-414.879 χ^2/NDF:23.5/28

Out: 485.023+/-409.621 χ^2/NDF:39.9/33

All: -286.256+/-291.487 χ^2/NDF: 70.6/62

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

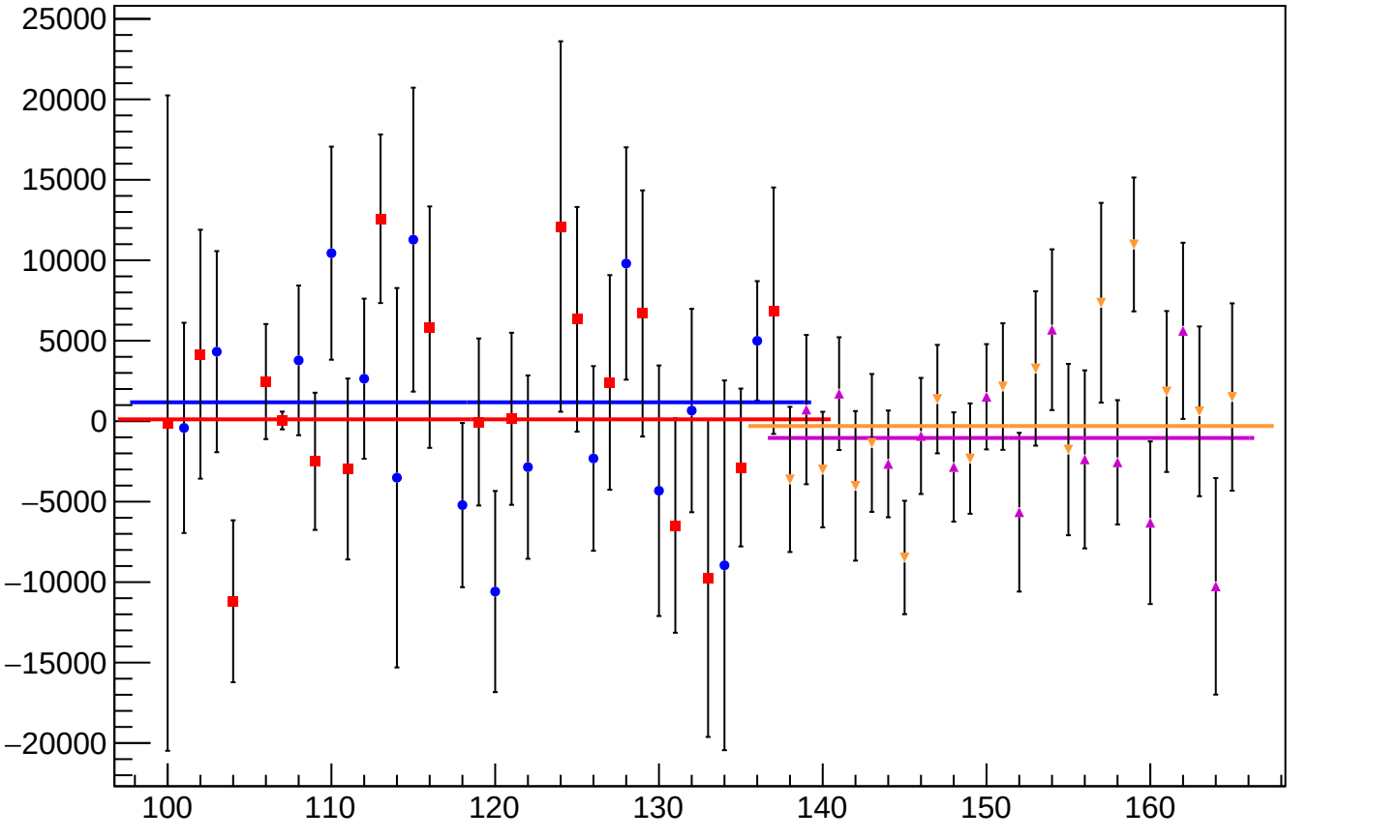
Left: 1721.141+/-0.255 χ^2/NDF: 66882.1/27

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

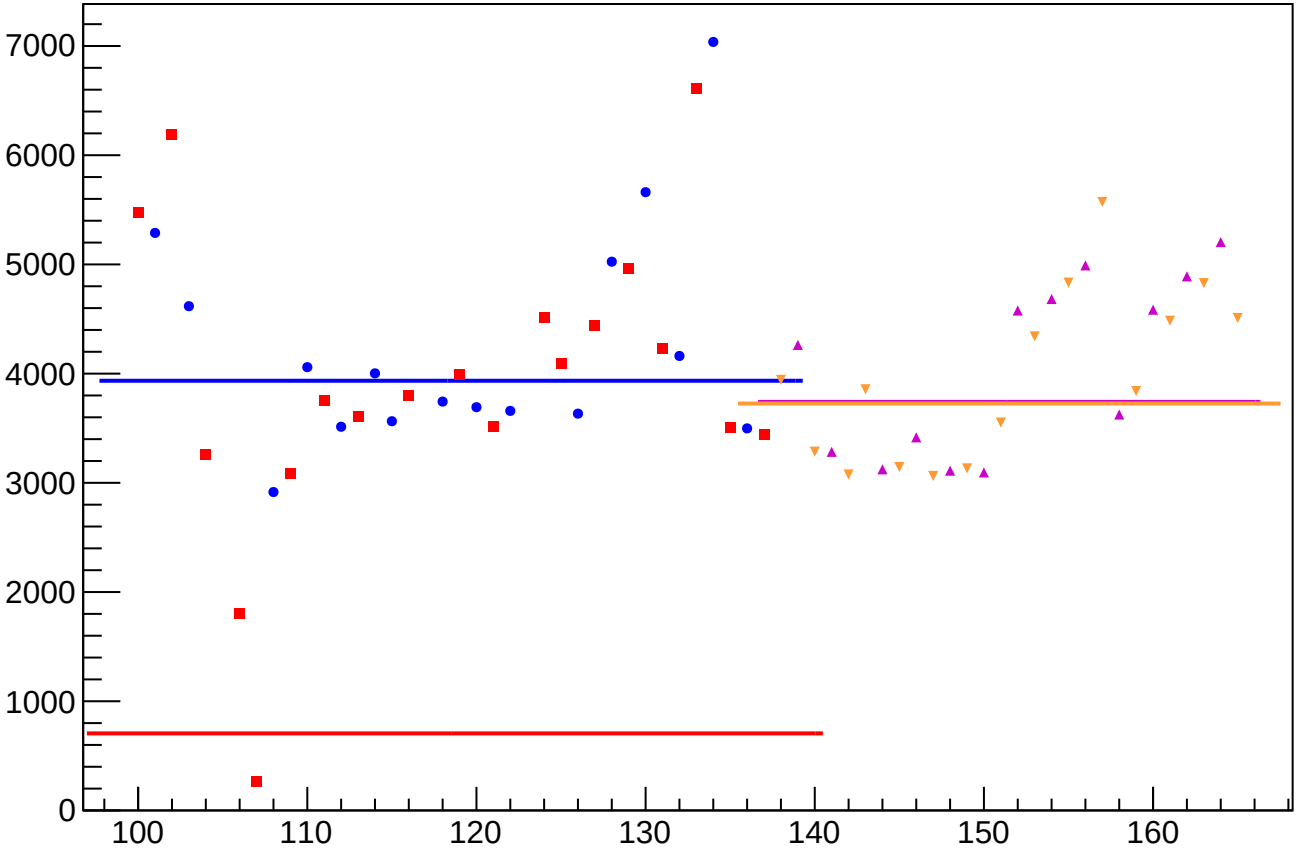
In: 1762.977+/-0.293 χ^2/NDF:326435.5/28

Out: 1782.674+/-0.289 χ^2/NDF:479122.8/33

All: 1772.958+/-0.206 χ^2/NDF: 807842.9/62


asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -299.734+/-1108.580 χ²/NDF:18.0/14
Right Out: 115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -1042.120+/-1153.759 χ²/NDF:9.2/12
Left: -656.108+/-799.379 χ²/NDF: 27.4/27
Right: 226.306+/-484.867 χ²/NDF: 32.7/34
In: -219.311+/-915.006 χ²/NDF:24.3/28
Out: 42.775+/-465.036 χ²/NDF:36.7/33
All: -11.026+/-414.567 χ²/NDF: 61.1/62

asym_atl1r2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3726.144+/-0.784 χ^2/NDF:738854.4/14

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

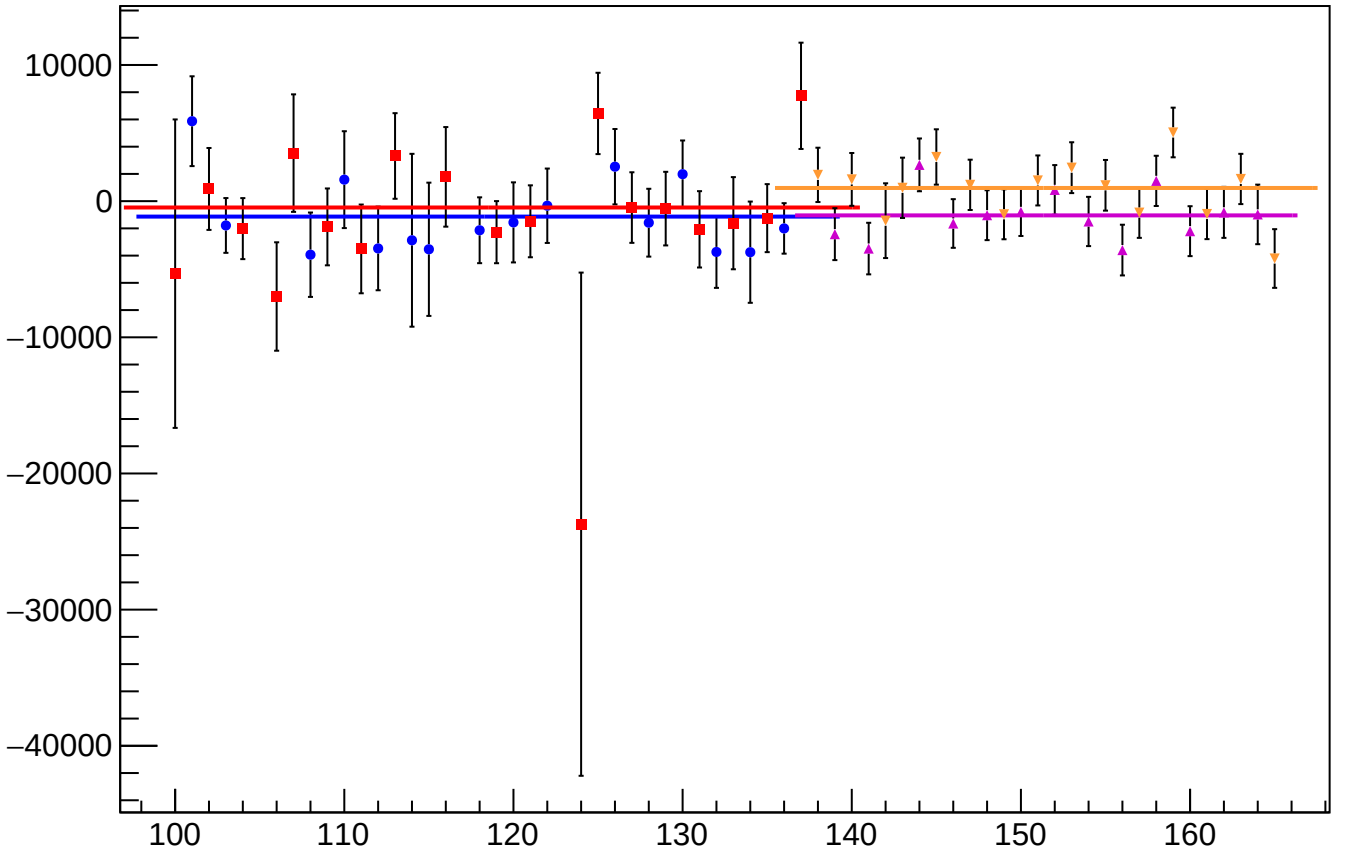
Left: 3733.389+/-0.565 χ^2/NDF: 1501947.4/27

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3813.031+/-0.647 χ^2/NDF:1343936.1/28

Out: 1237.142+/-0.329 χ^2/NDF:23721043.9/33

All: 1765.914+/-0.293 χ^2/NDF: 37661546.0/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.726+/-502.953 χ^2/NDF:17.2/14

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1045.877+/-517.628 χ^2/NDF:11.3/12

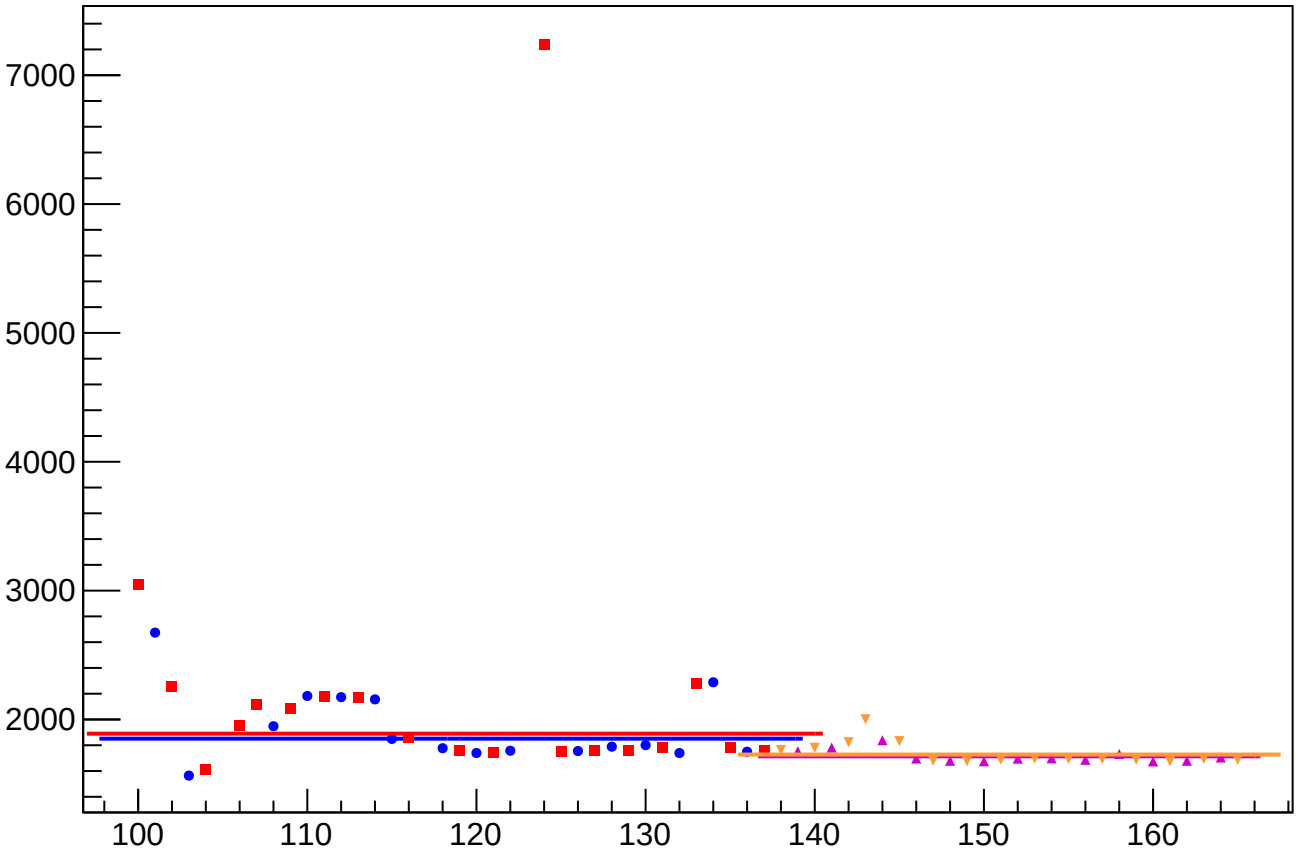
Left: -10.128+/-360.718 χ^2/NDF: 36.2/27

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1077.462+/-414.879 χ^2/NDF:23.5/28

Out: 485.023+/-409.621 χ^2/NDF:39.9/33

All: -286.256+/-291.487 χ^2/NDF: 70.6/62



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

Left: 1721.141+/-0.255 χ^2/NDF: 66882.1/27

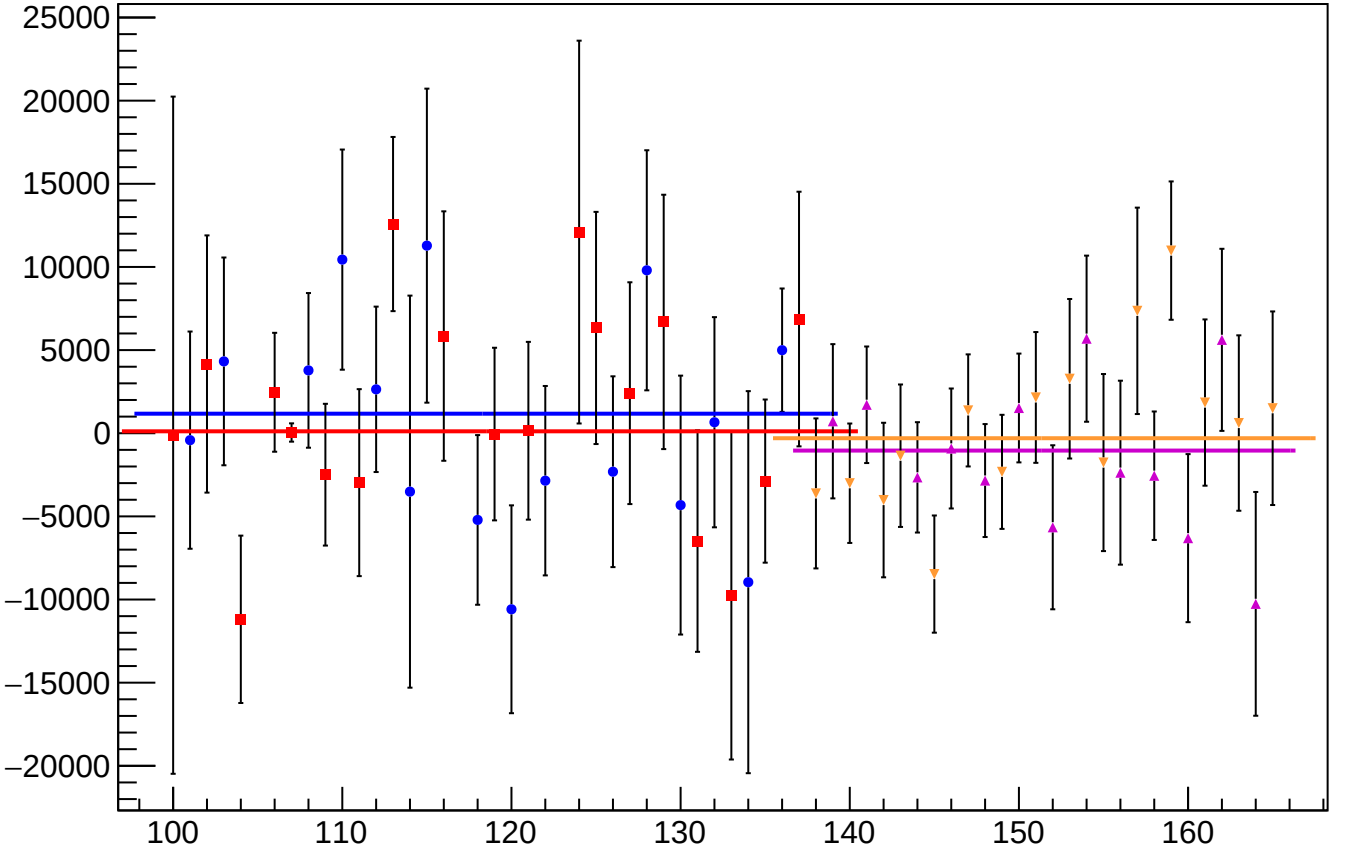
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1762.977+/-0.293 χ^2/NDF:326435.5/28

Out: 1782.674+/-0.289 χ^2/NDF:479122.8/33

All: 1772.958+/-0.206 χ^2/NDF: 807842.9/62

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -299.734+/-1108.580 χ^2/NDF:18.0/14

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1042.120+/-1153.759 χ^2/NDF:9.2/12

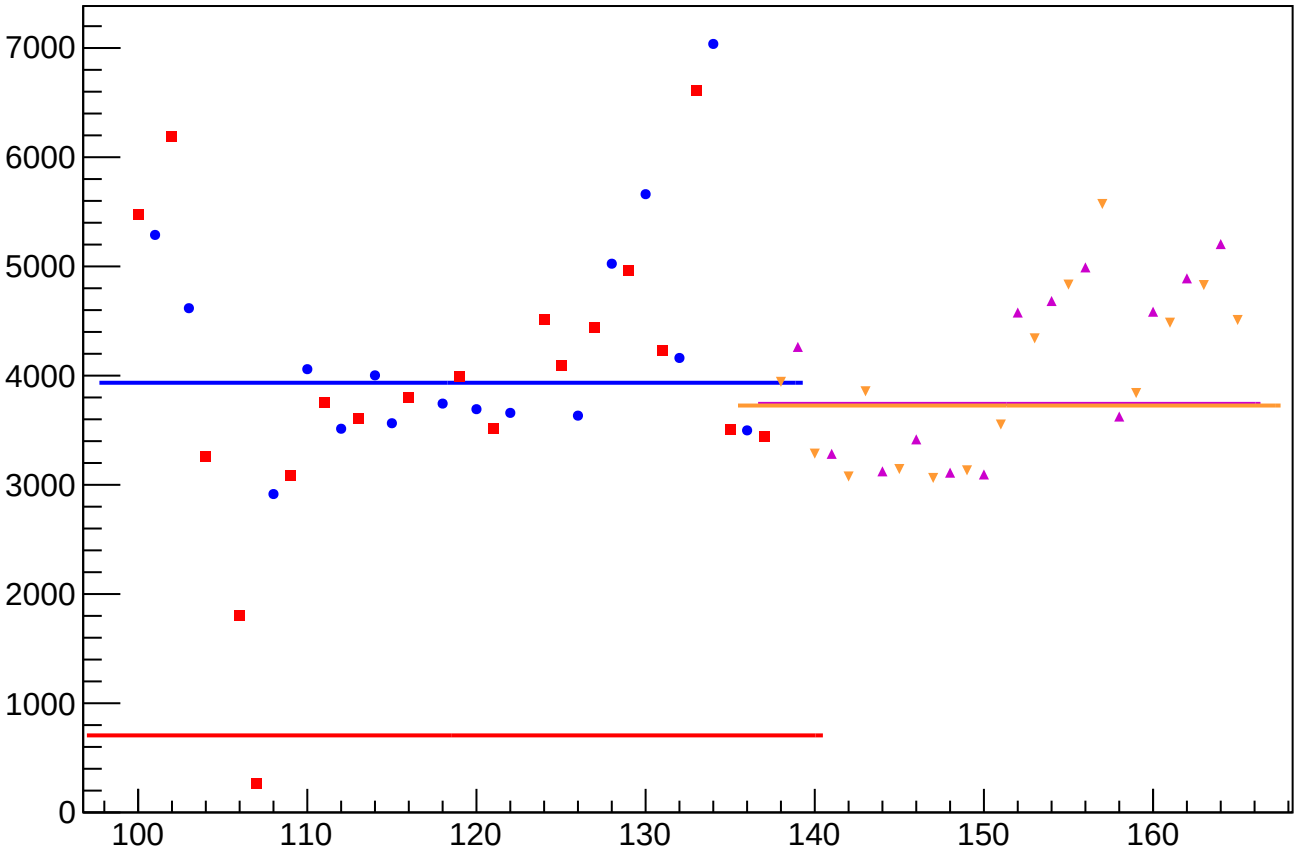
Left: -656.108+/-799.379 χ^2/NDF: 27.4/27

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -219.311+/-915.006 χ^2/NDF:24.3/28

Out: 42.775+/-465.036 χ^2/NDF:36.7/33

All: -11.026+/-414.567 χ^2/NDF: 61.1/62



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3726.144+/-0.784 χ^2/NDF:738854.4/14

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

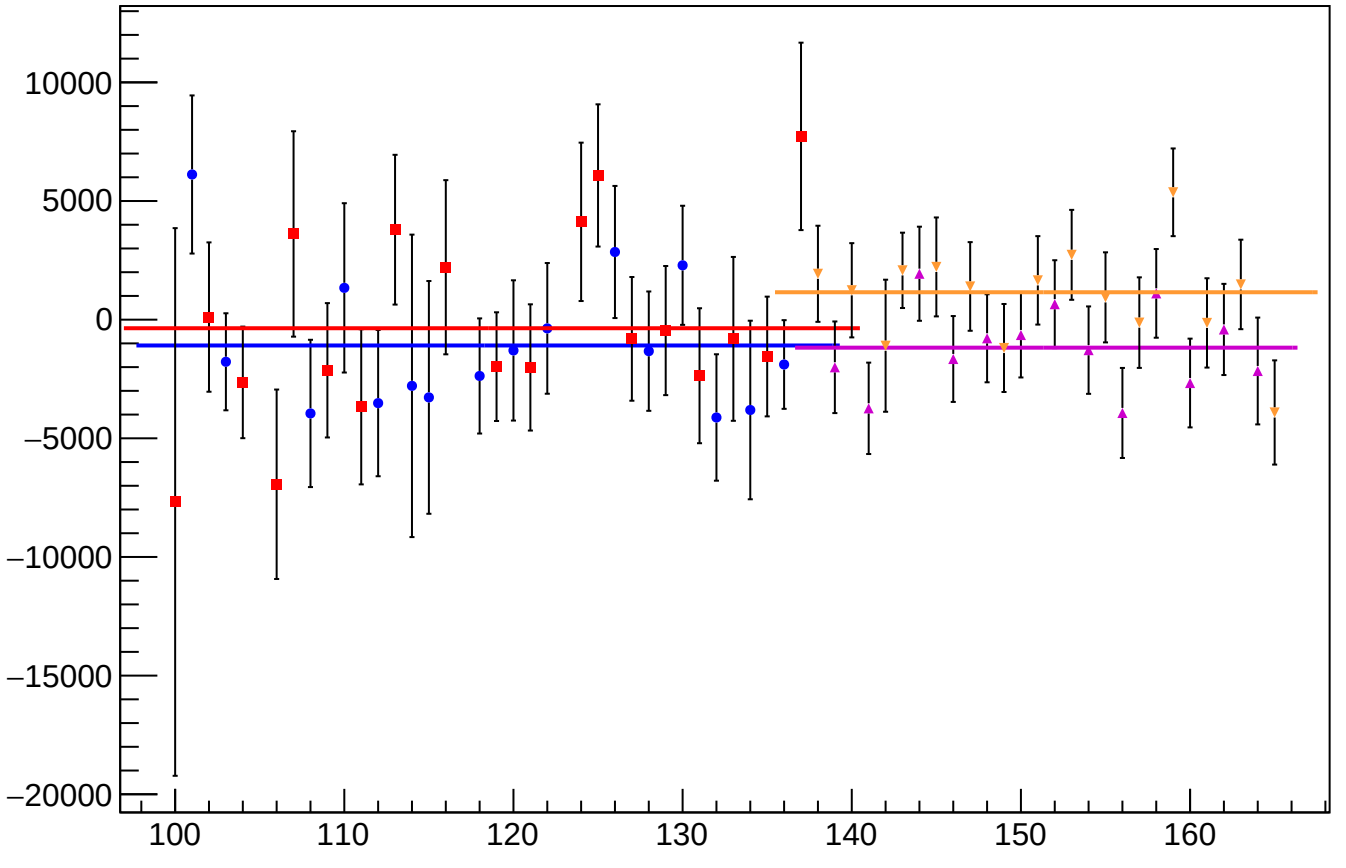
Left: 3733.389+/-0.565 χ^2/NDF: 1501947.4/27

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3813.031+/-0.647 χ^2/NDF:1343936.1/28

Out: 1237.142+/-0.329 χ^2/NDF:23721043.9/33

All: 1765.914+/-0.293 χ^2/NDF: 37661546.0/6



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1155.476+/-499.176 χ^2/NDF:15.3/14

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1180.118+/-526.648 χ^2/NDF:10.2/12

Left: 50.181+/-362.294 χ^2/NDF: 35.8/27

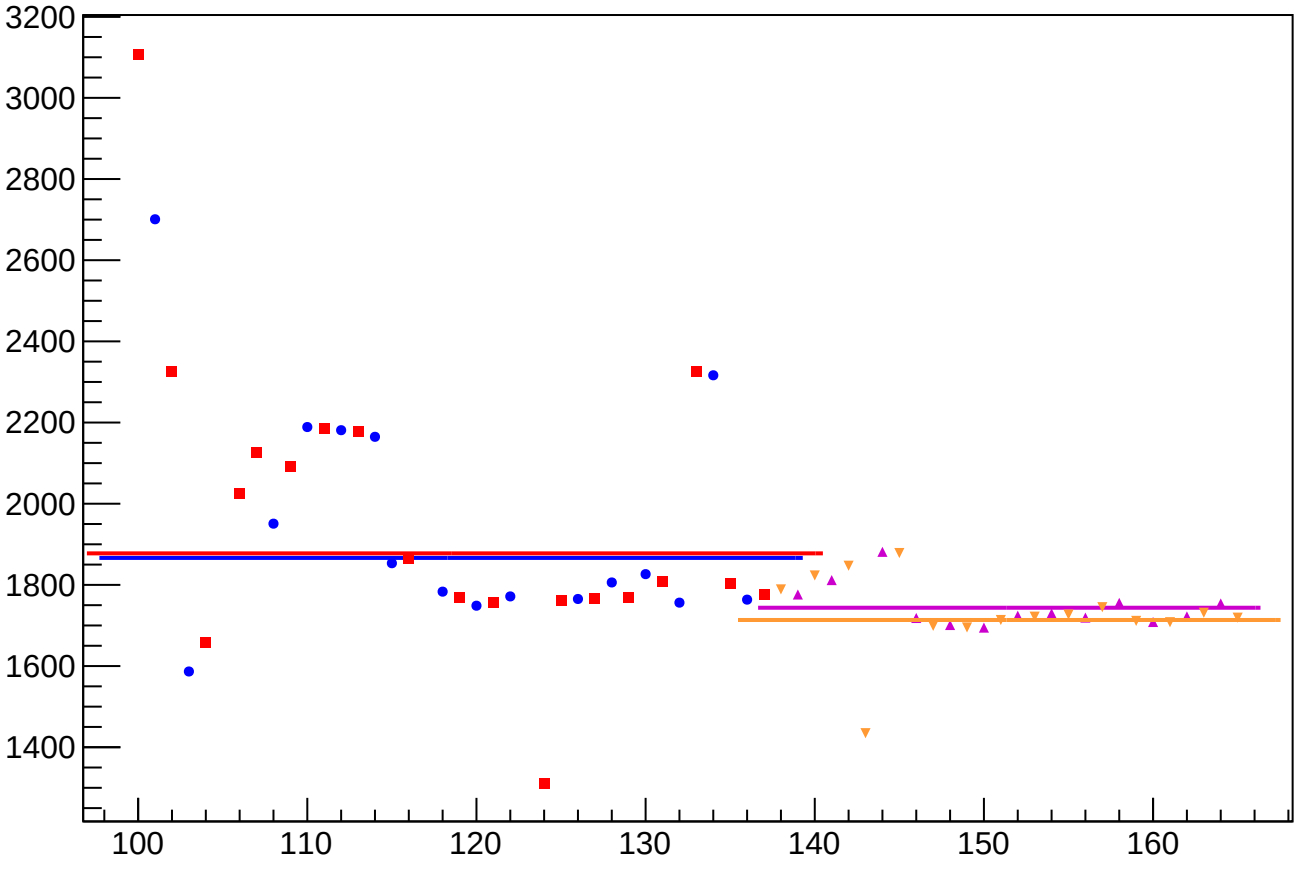
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1146.700+/-420.751 χ^2/NDF:23.4/28

Out: 643.873+/-406.357 χ^2/NDF:39.2/33

All: -220.262+/-292.294 χ^2/NDF: 72.0/62

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1713.512+/-0.353 χ^2/NDF:88934.0/14

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1743.686+/-0.372 χ^2/NDF:17413.0/12

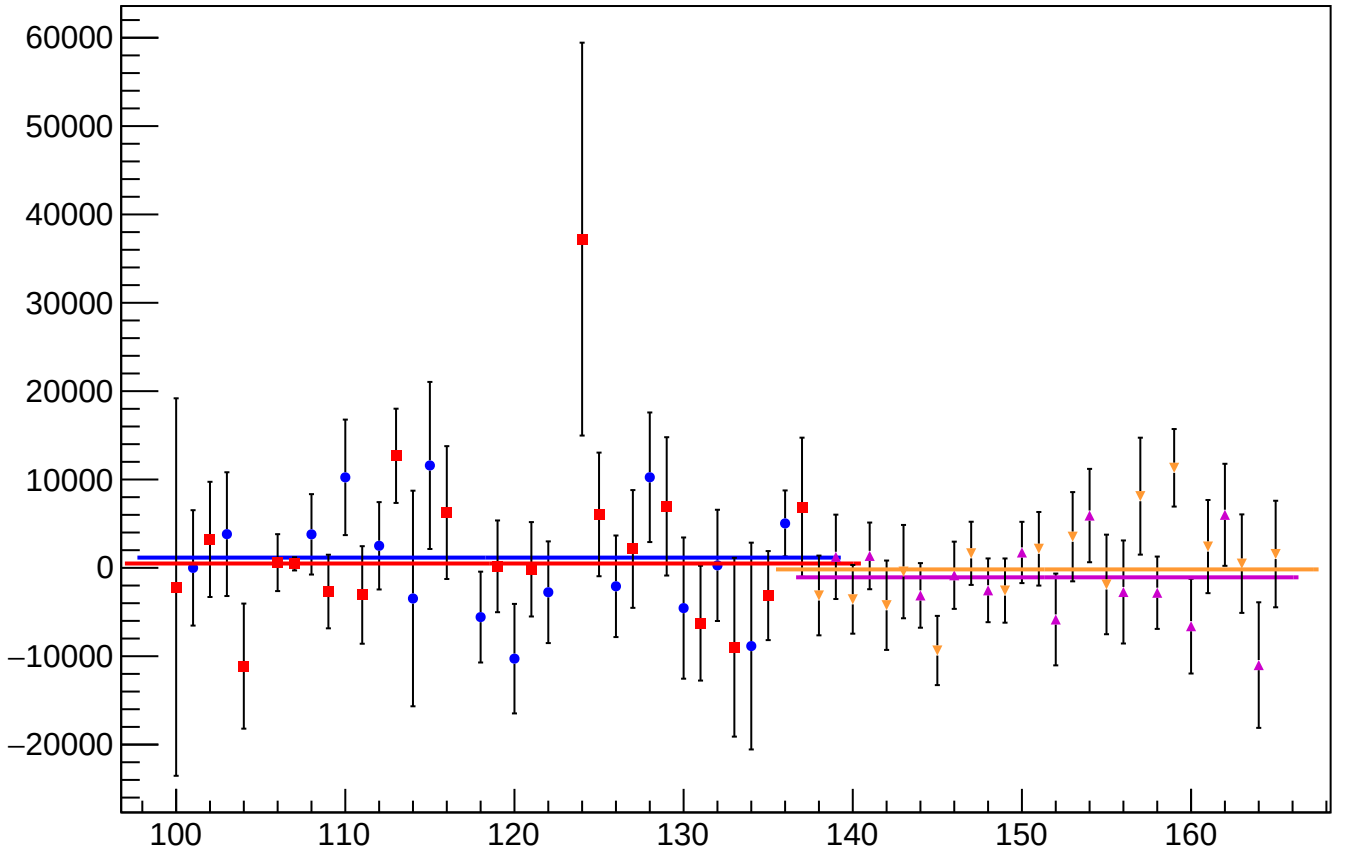
Left: 1727.791+/-0.256 χ^2/NDF: 109805.2/27

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1788.094+/-0.298 χ^2/NDF:312989.7/28

Out: 1768.942+/-0.287 χ^2/NDF:413813.7/33

All: 1778.182+/-0.207 χ^2/NDF: 728948.1/62



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -173.272+/-1188.428 χ^2/NDF:17.7/14

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -1070.618+/-1226.628 χ^2/NDF:9.2/12

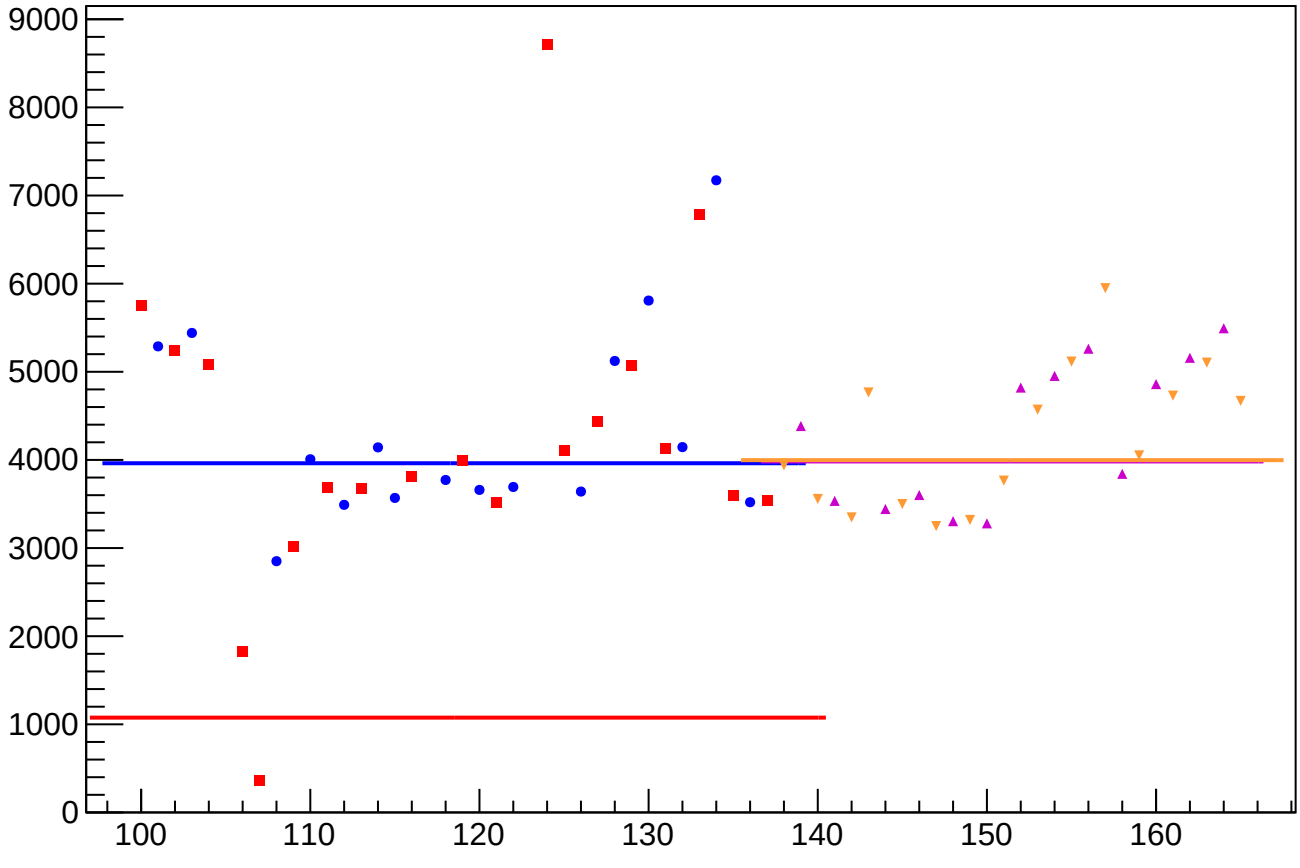
Left: -607.755+/-853.531 χ^2/NDF: 27.2/27

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: -184.961+/-952.636 χ^2/NDF:24.1/28

Out: 336.417+/-575.997 χ^2/NDF:34.9/33

All: 196.838+/-492.902 χ^2/NDF: 59.3/62



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3997.336+/-0.840 χ^2/NDF:718050.8/14

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3982.599+/-0.867 χ^2/NDF:703733.0/12

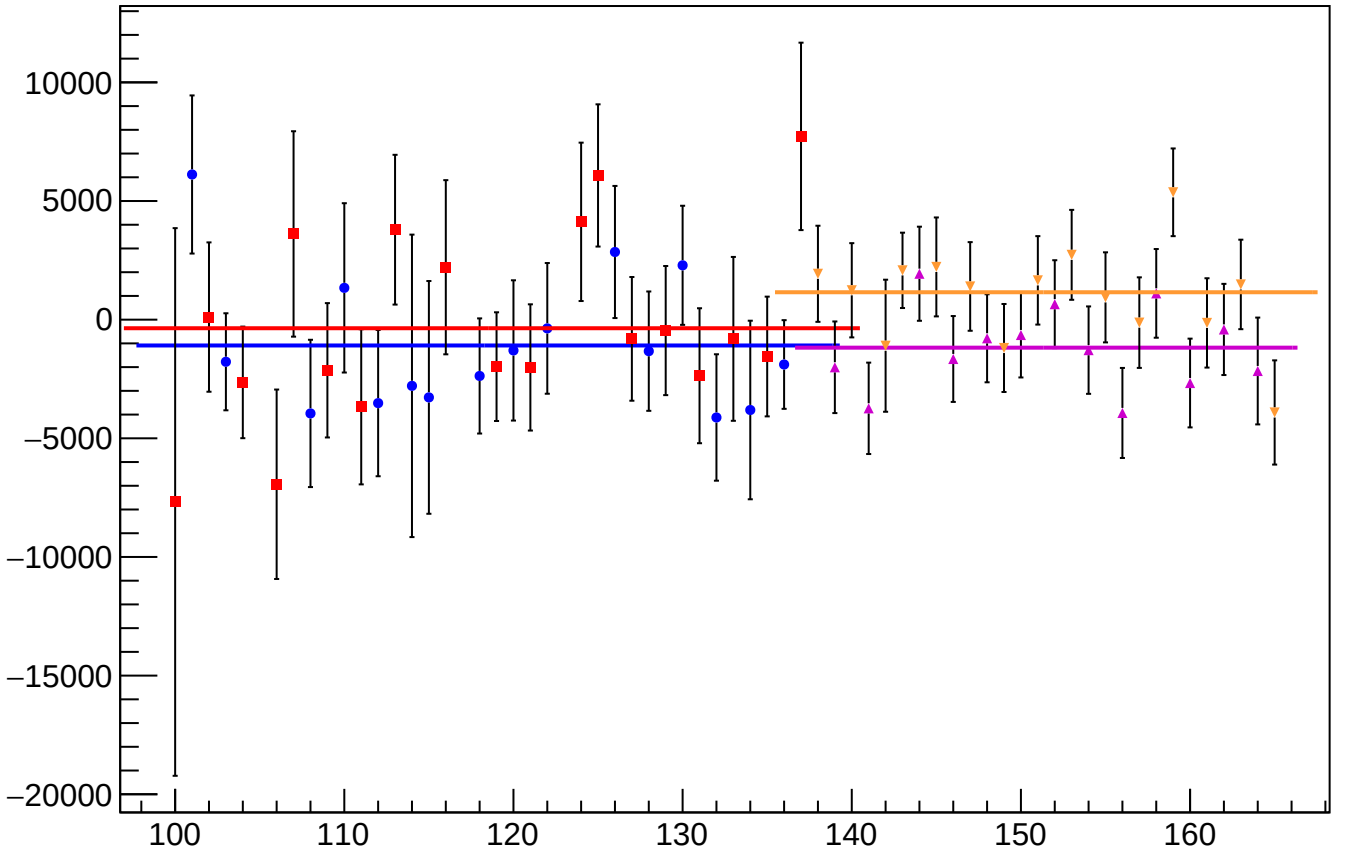
Left: 3990.200+/-0.604 χ^2/NDF: 1421932.8/27

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3974.570+/-0.674 χ^2/NDF:1372288.5/28

Out: 1762.207+/-0.407 χ^2/NDF:19522867.0/33

All: 2354.483+/-0.349 χ^2/NDF: 28794128.1/6



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1155.482+/-499.176 χ^2/NDF:15.3/14

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1180.120+/-526.648 χ^2/NDF:10.2/12

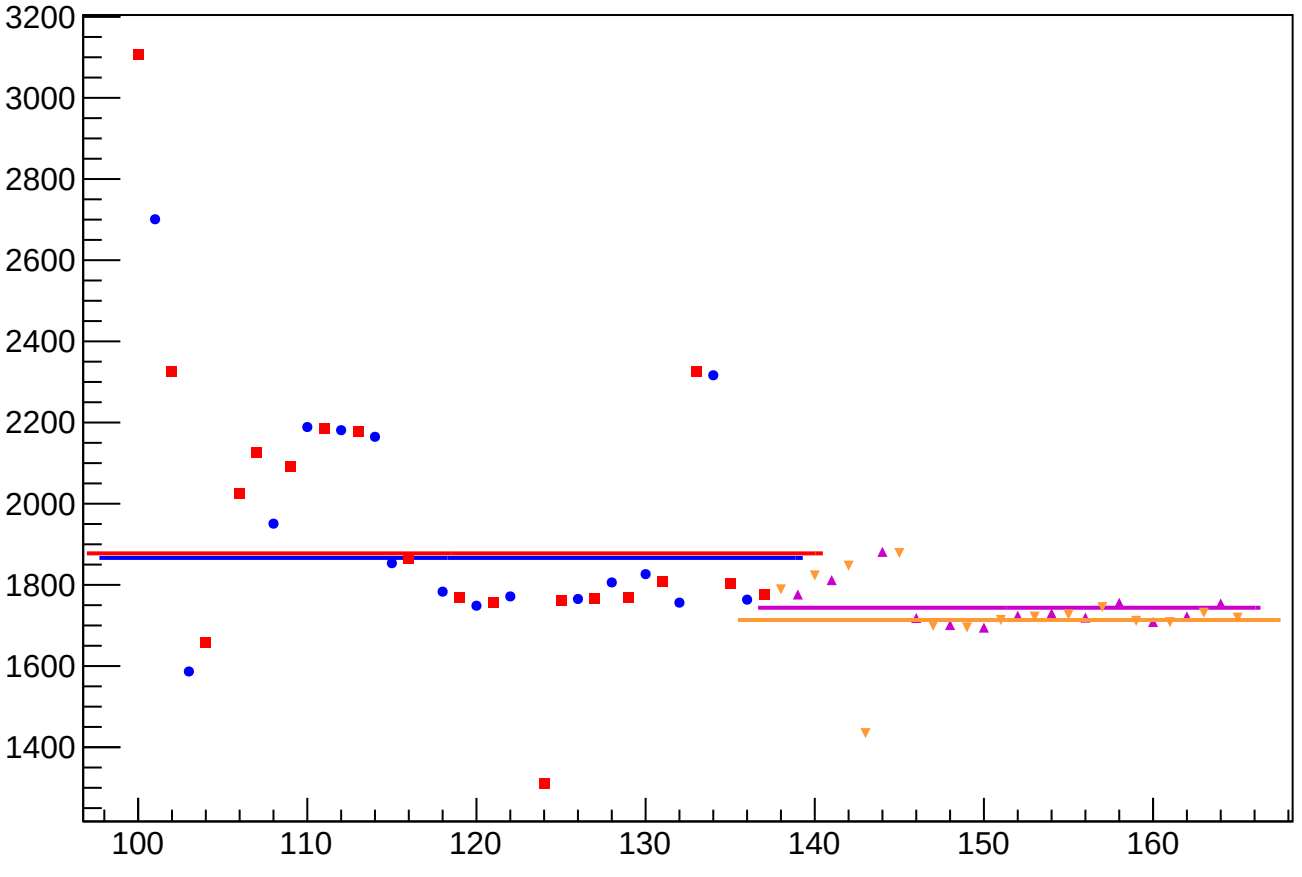
Left: 50.184+/-362.294 χ^2/NDF: 35.8/27

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1146.702+/-420.751 χ^2/NDF:23.4/28

Out: 643.875+/-406.357 χ^2/NDF:39.2/33

All: -220.262+/-292.294 χ^2/NDF: 72.0/62



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1713.513+/-0.353 χ^2/NDF:88933.1/14

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1743.686+/-0.372 χ^2/NDF:17412.9/12

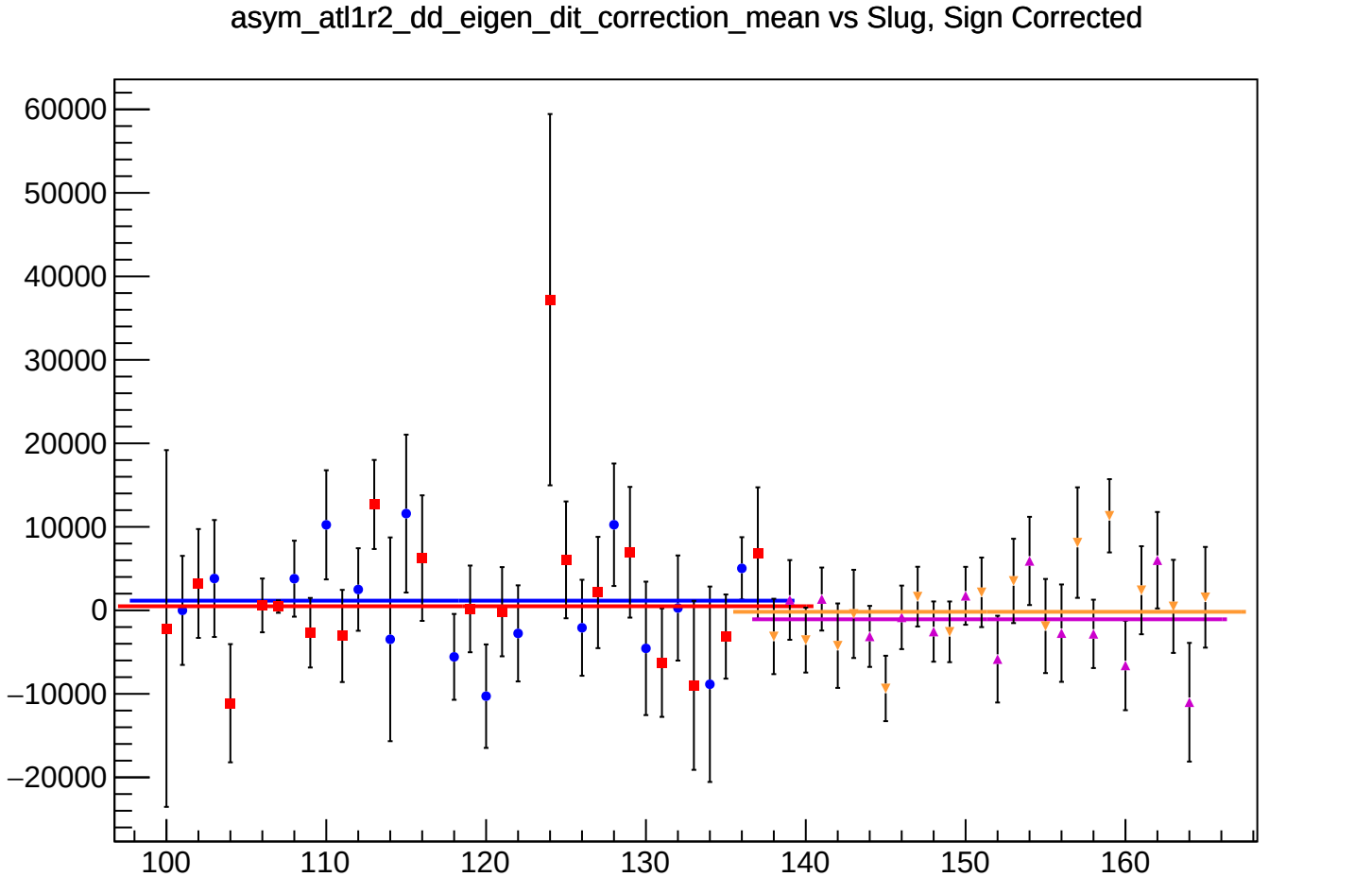
Left: 1727.792+/-0.256 χ^2/NDF: 109804.1/27

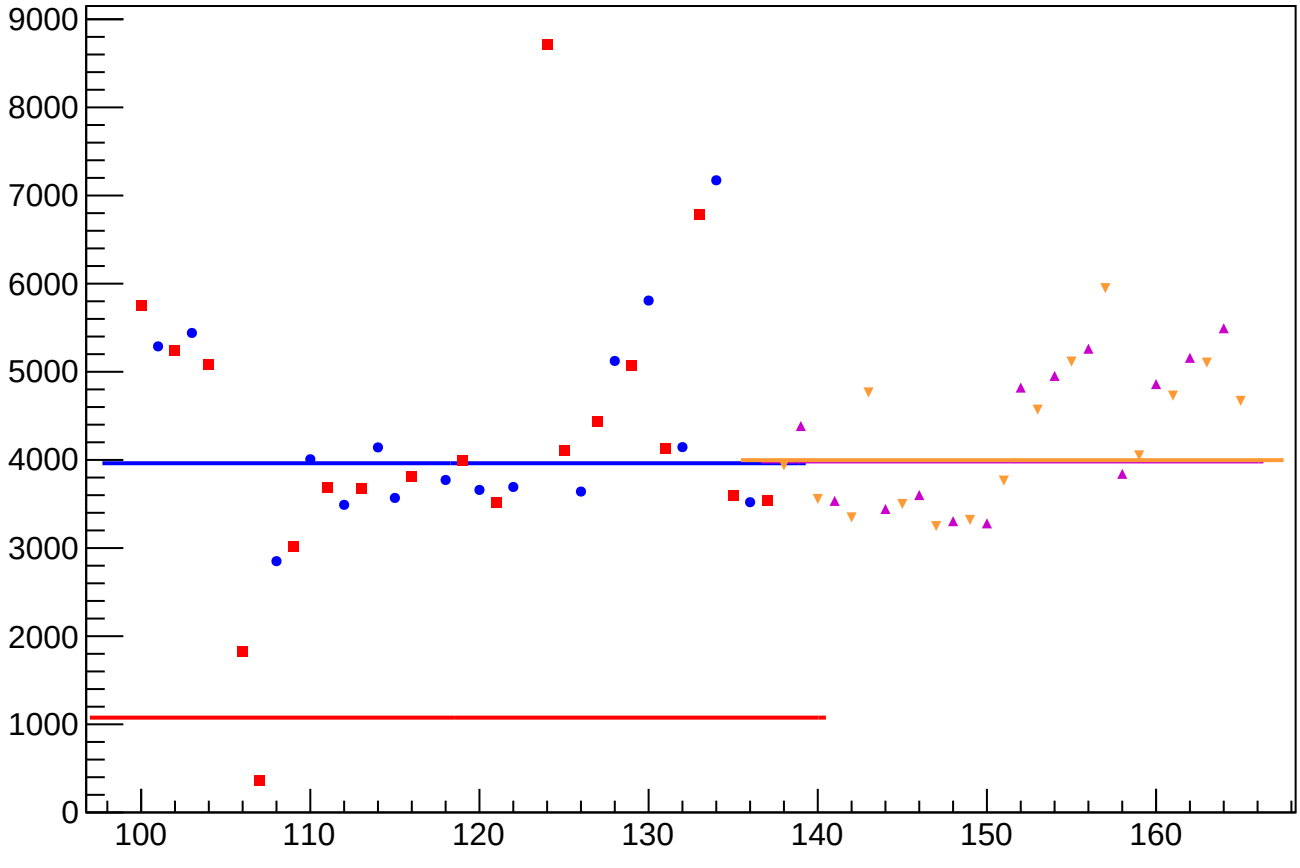
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1788.095+/-0.298 χ^2/NDF:312988.9/28

Out: 1768.943+/-0.287 χ^2/NDF:413812.2/33

All: 1778.183+/-0.207 χ^2/NDF: 728945.7/62


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
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -173.271+/-1188.429 χ²/NDF:17.7/14
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -1070.616+/-1226.630 χ²/NDF:9.2/12
Left: -607.753+/-853.532 χ²/NDF: 27.2/27
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: -184.965+/-952.636 χ²/NDF:24.1/28
Out: 336.420+/-576.004 χ²/NDF:34.9/33
All: 196.836+/-492.907 χ²/NDF: 59.3/62



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3997.341+/-0.840 χ^2/NDF:718051.2/14

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3982.604+/-0.867 χ^2/NDF:703733.9/12

Left: 3990.206+/-0.604 χ^2/NDF: 1421934.0/27

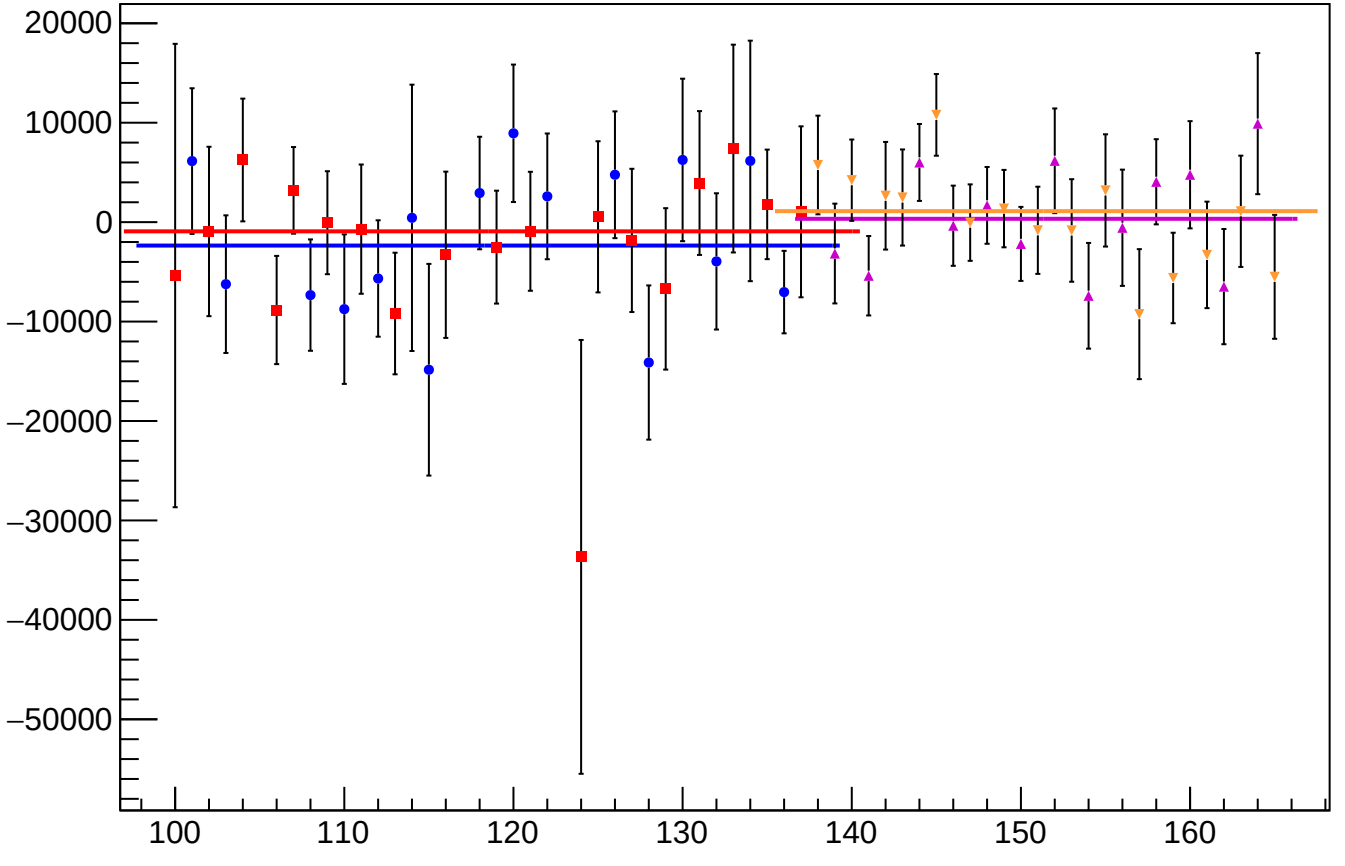
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3974.571+/-0.674 χ^2/NDF:1372286.0/28

Out: 1762.247+/-0.407 χ^2/NDF:19522485.9/33

All: 2354.524+/-0.349 χ^2/NDF: 28793403.8/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1106.024+/-1235.152 χ^2/NDF:14.2/14

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 334.820+/-1281.160 χ^2/NDF:13.3/12

Left: 734.517+/-889.205 χ^2/NDF: 27.7/27

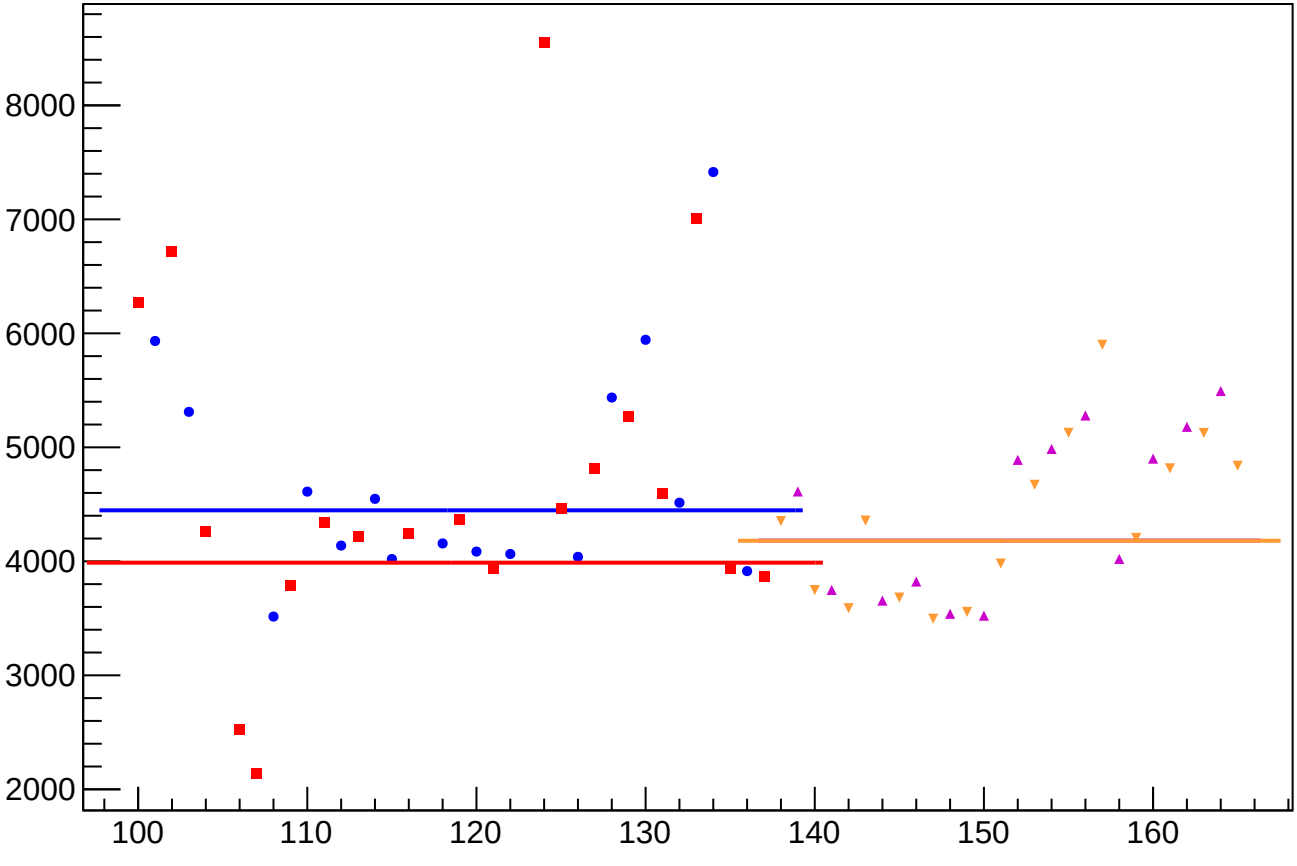
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -650.643+/-1019.800 χ^2/NDF:30.5/28

Out: 315.313+/-965.210 χ^2/NDF:25.9/33

All: -141.120+/-701.011 χ^2/NDF: 56.8/62

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4180.485+/-0.873 χ^2/NDF:519954.4/14

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4181.967+/-0.906 χ^2/NDF:527721.1/12

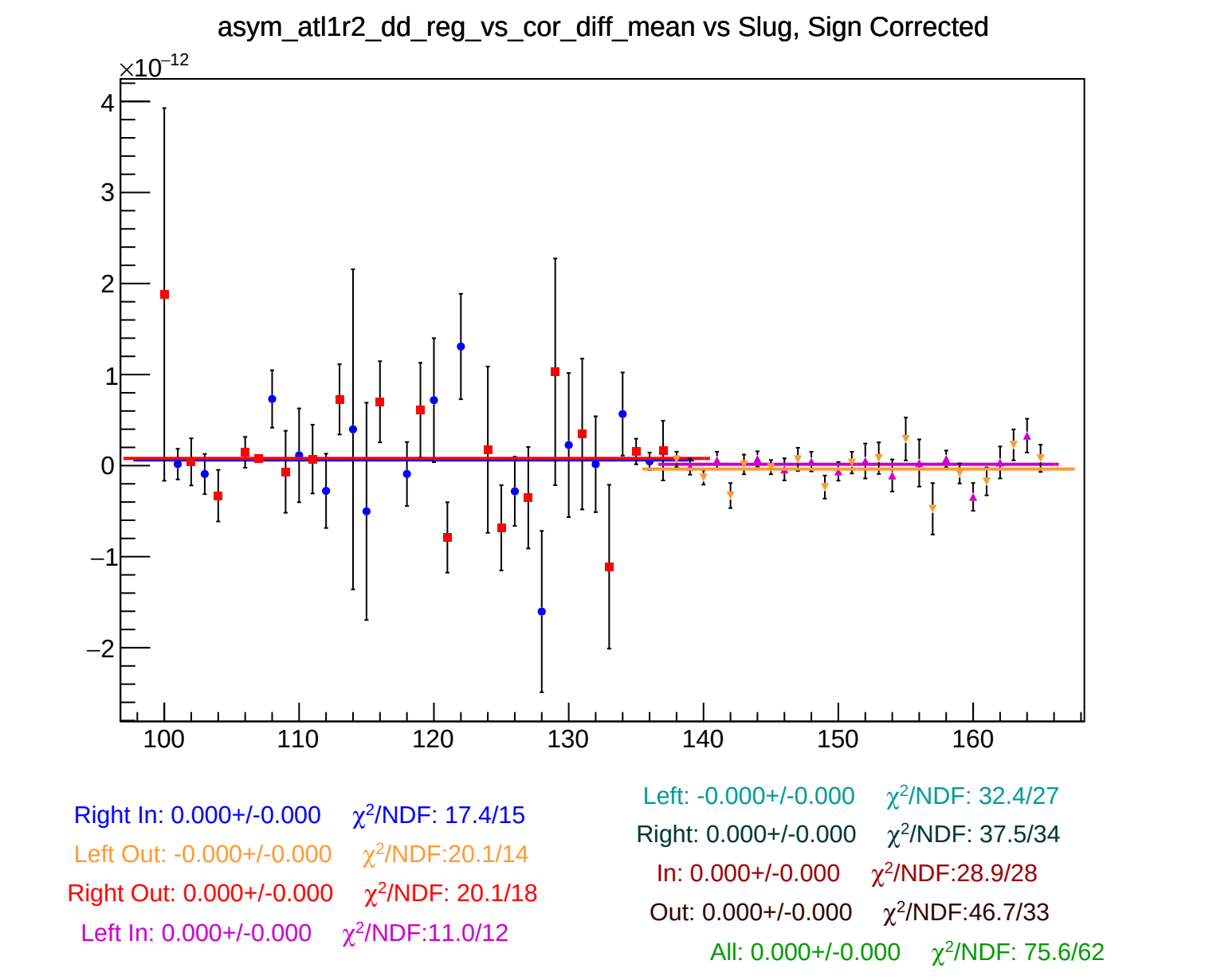
Left: 4181.199+/-0.629 χ^2/NDF: 1047676.9/27

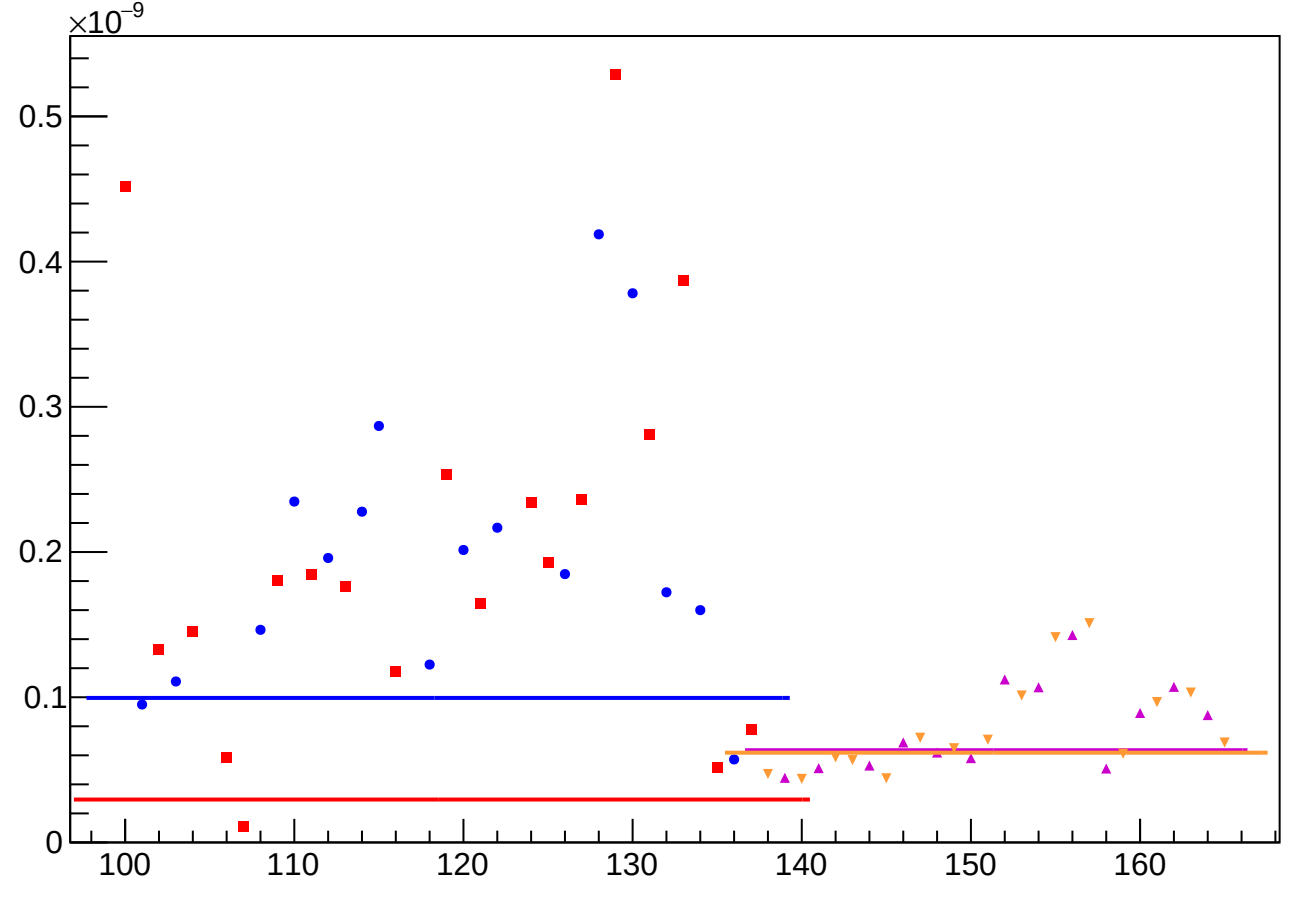
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4279.227+/-0.721 χ^2/NDF:1017431.9/28

Out: 4104.728+/-0.680 χ^2/NDF:1682978.7/33

All: 4186.843+/-0.495 χ^2/NDF: 2731412.9/62


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:20.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:11.0/12
Left: -0.000+/-0.000 χ²/NDF: 32.4/27
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:28.9/28
Out: 0.000+/-0.000 χ²/NDF:46.7/33
All: 0.000+/-0.000 χ²/NDF: 75.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1054823.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:857570.9/12

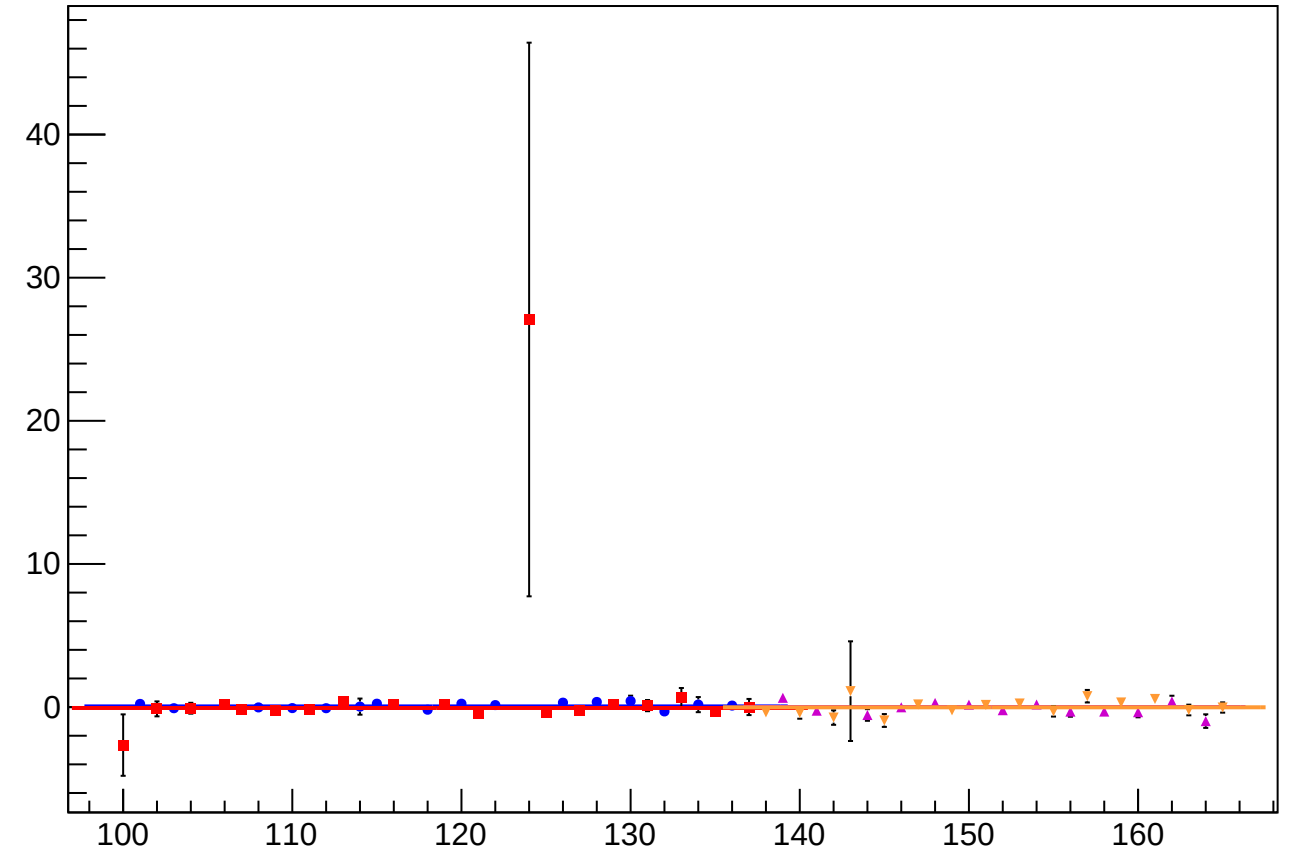
Left: 0.000+/-0.000 χ^2/NDF: 1915276.9/27

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2874785.7/28

Out: 0.000+/-0.000 χ^2/NDF:6436529.2/33

All: 0.000+/-0.000 χ^2/NDF: 10096214.4/62



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

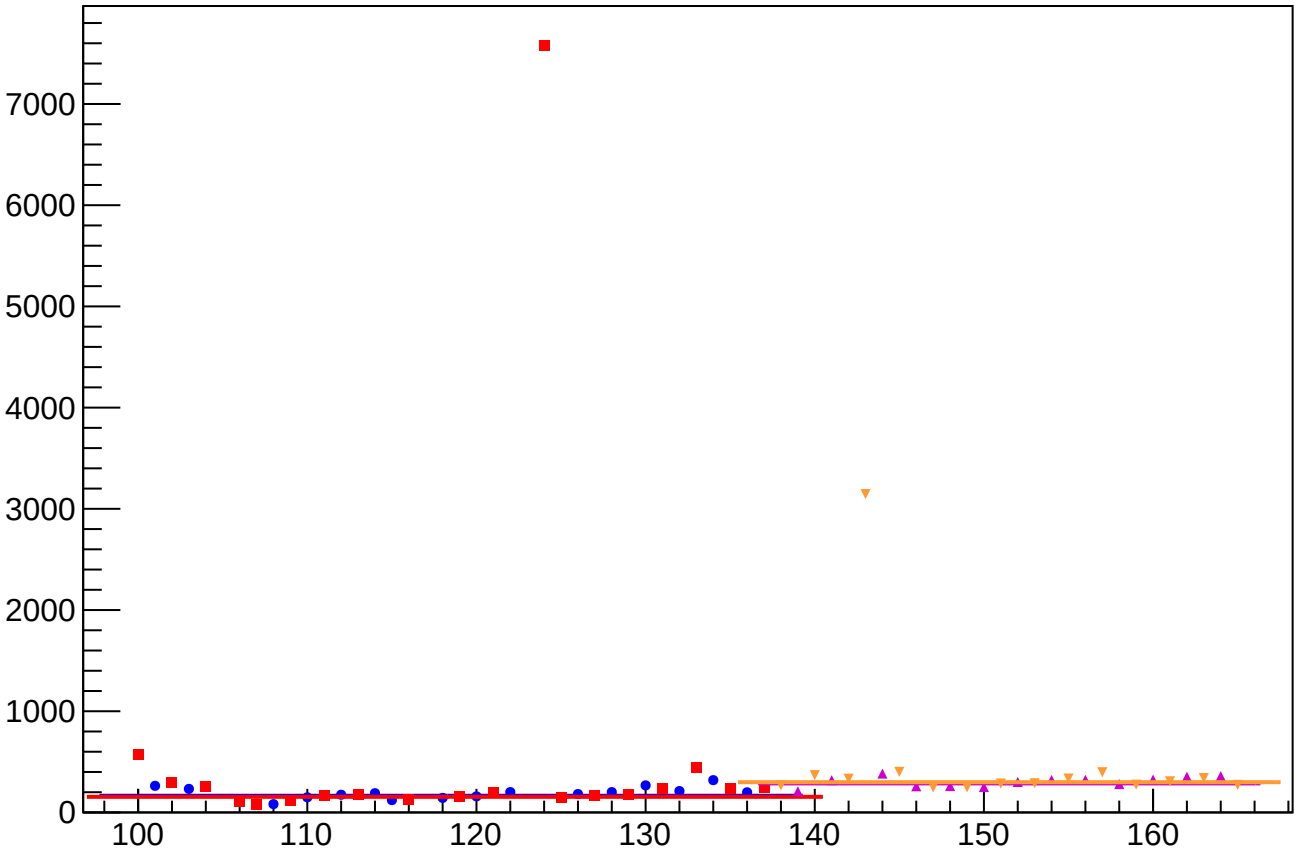
Left: -0.003+/-0.064 χ^2/NDF: 38.7/27

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.007+/-0.037 χ^2/NDF: 66.1/62



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 299.040+/-0.065 χ^2/NDF:1844528.8/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

Left: 292.758+/-0.045 χ^2/NDF: 2448727.8/27

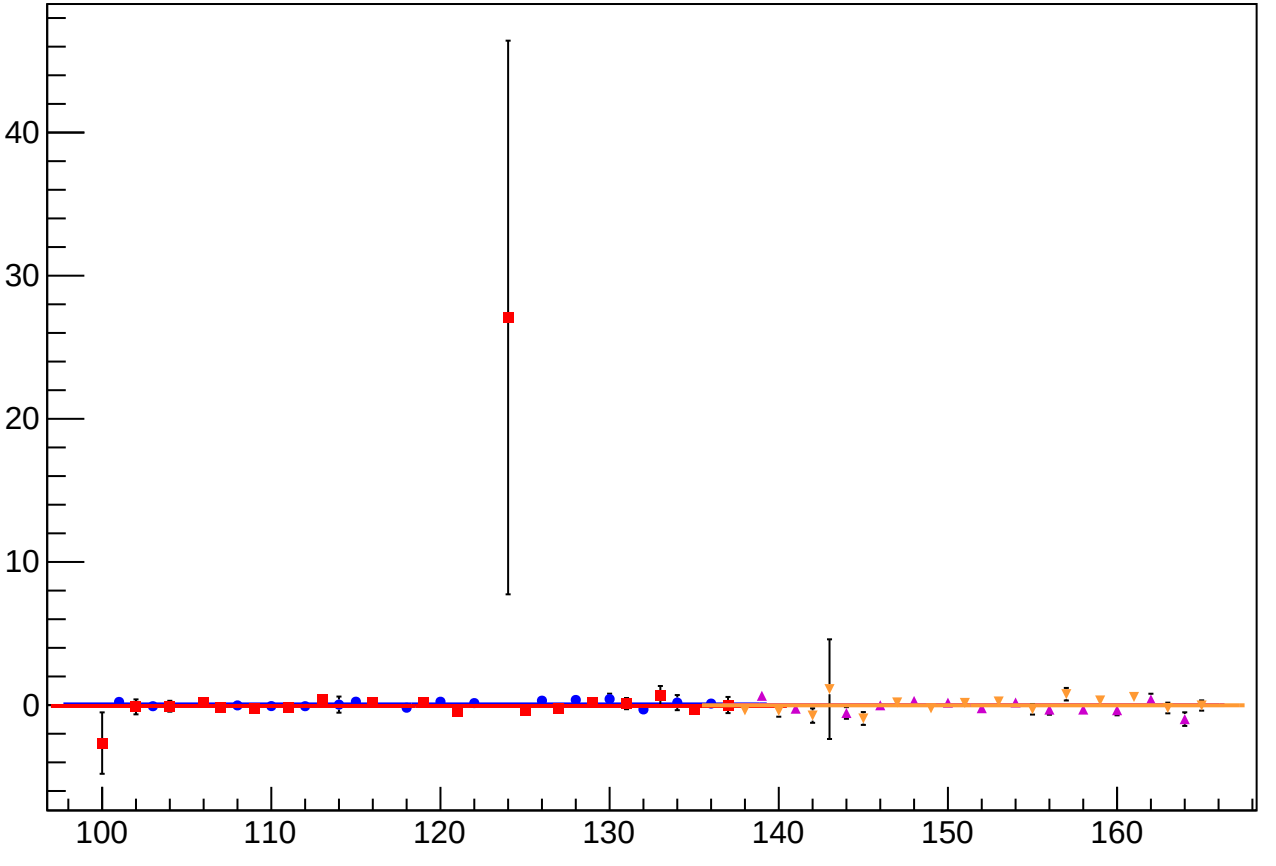
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 208.620+/-0.038 χ^2/NDF:4481269.4/28

Out: 202.353+/-0.037 χ^2/NDF:7111368.6/33

All: 205.456+/-0.026 χ^2/NDF: 11606665.5/62

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: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

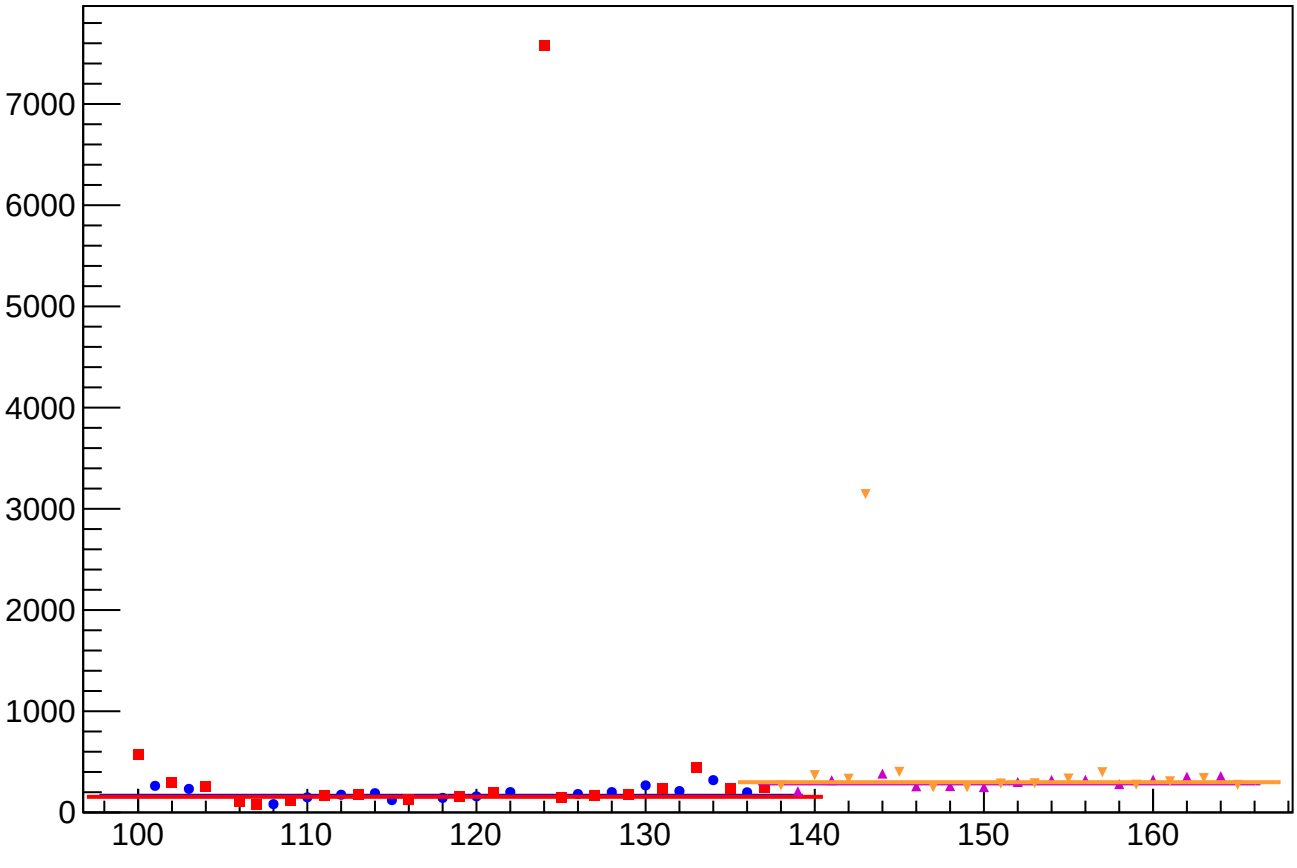
Left: -0.003+/-0.064 χ^2/NDF: 38.7/27

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.007+/-0.037 χ^2/NDF: 66.1/62



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 299.040+/-0.065 χ^2/NDF:1844528.8/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

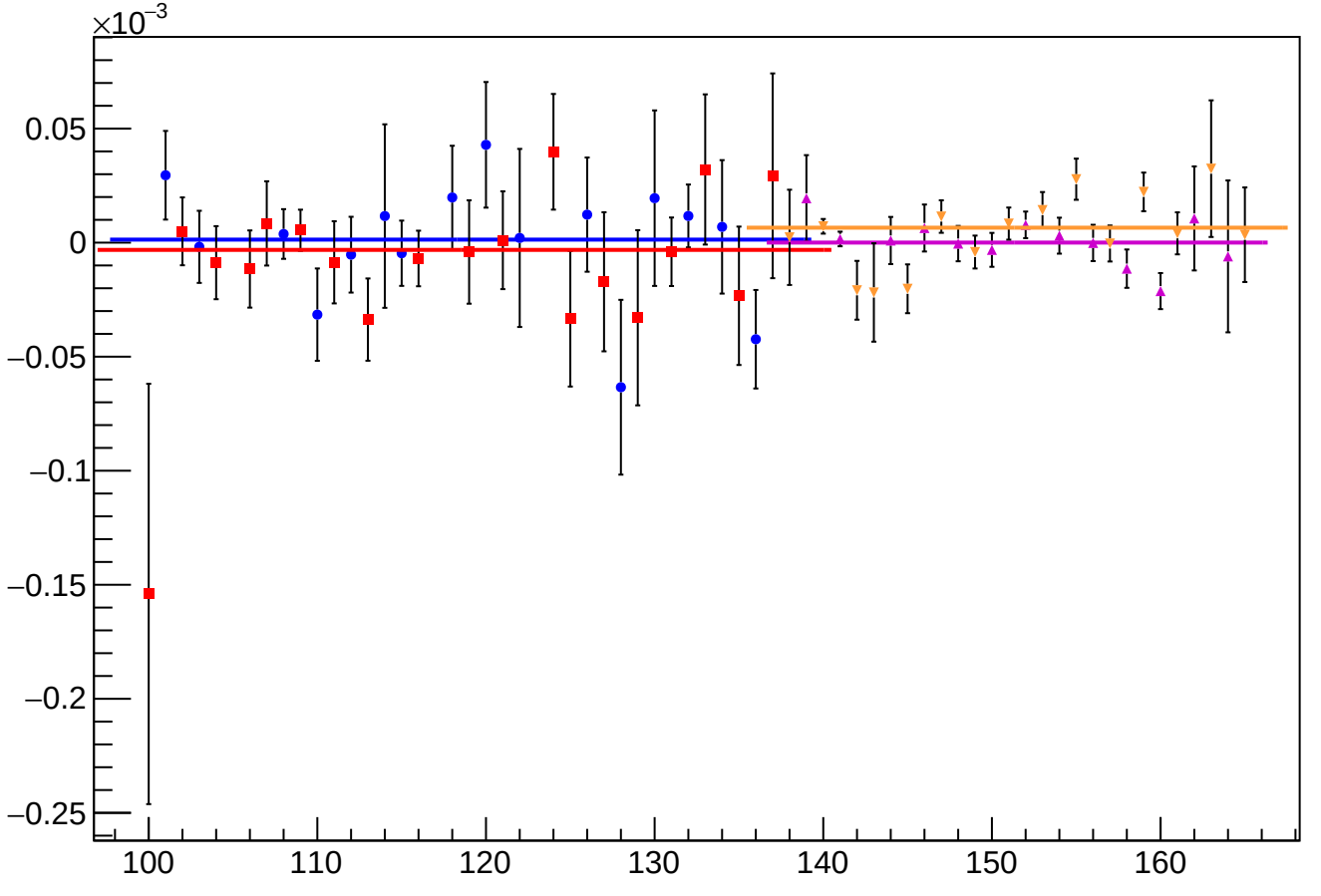
Left: 292.758+/-0.045 χ^2/NDF: 2448727.8/27

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 208.620+/-0.038 χ^2/NDF:4481269.4/28

Out: 202.353+/-0.037 χ^2/NDF:7111368.6/33

All: 205.456+/-0.026 χ^2/NDF: 11606665.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/12

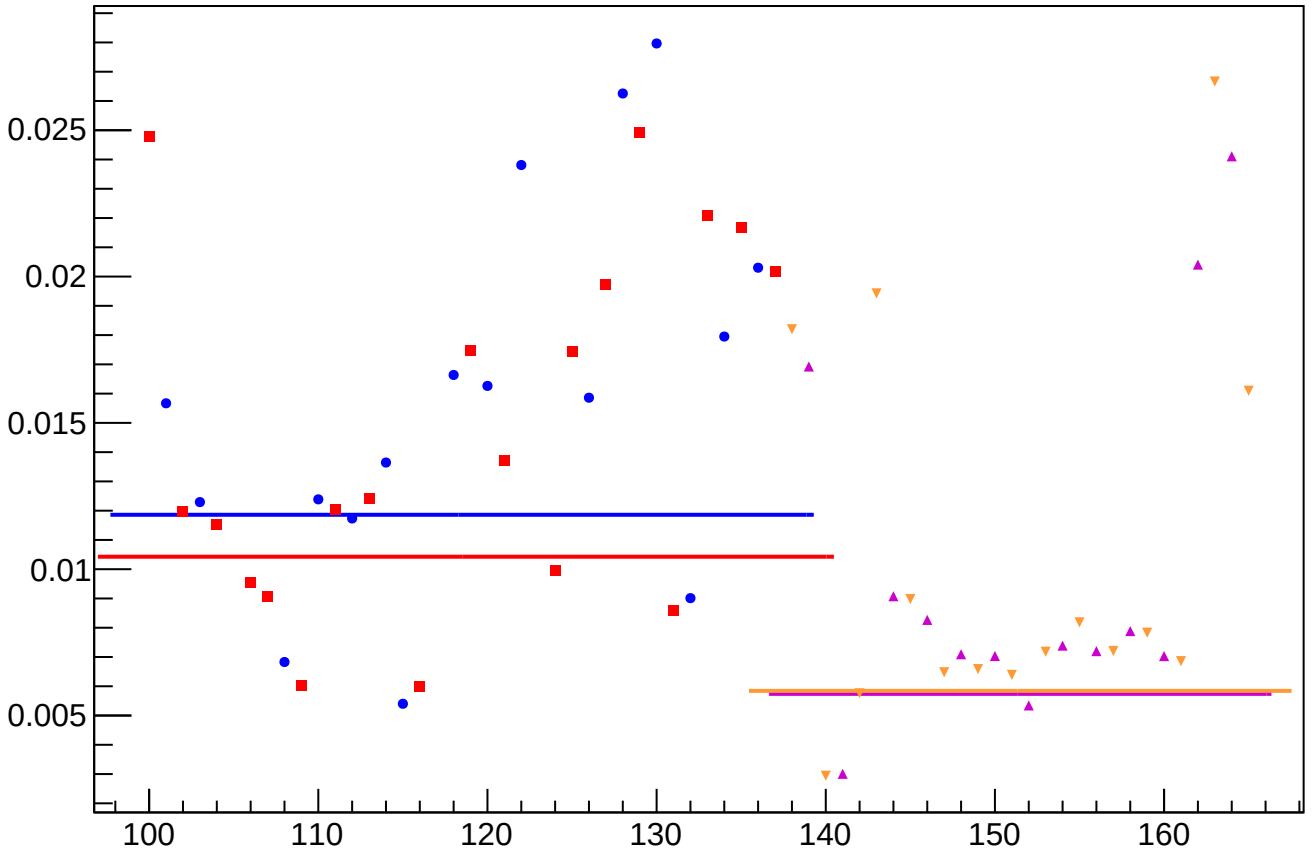
Left: 0.000+/-0.000 χ^2/NDF: 45.3/27

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:29.3/28

Out: 0.000+/-0.000 χ^2/NDF:45.8/33

All: 0.000+/-0.000 χ^2/NDF: 78.2/62



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5188012.2/14

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:4386850.8/12

Left: 0.006+/-0.000 χ^2/NDF: 9577462.7/27

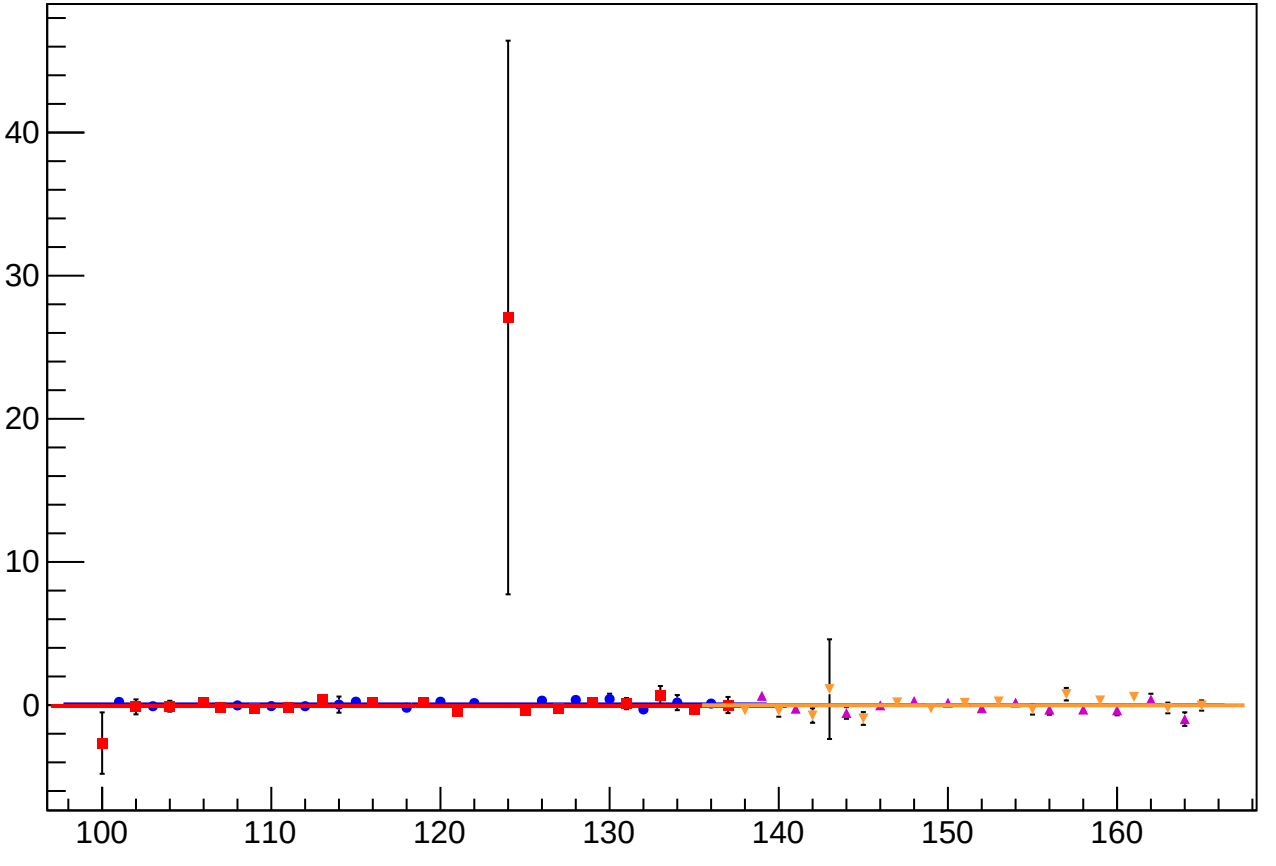
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.007+/-0.000 χ^2/NDF:9489507.6/28

Out: 0.007+/-0.000 χ^2/NDF:9455347.7/33

All: 0.007+/-0.000 χ^2/NDF: 18945679.4/62

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: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

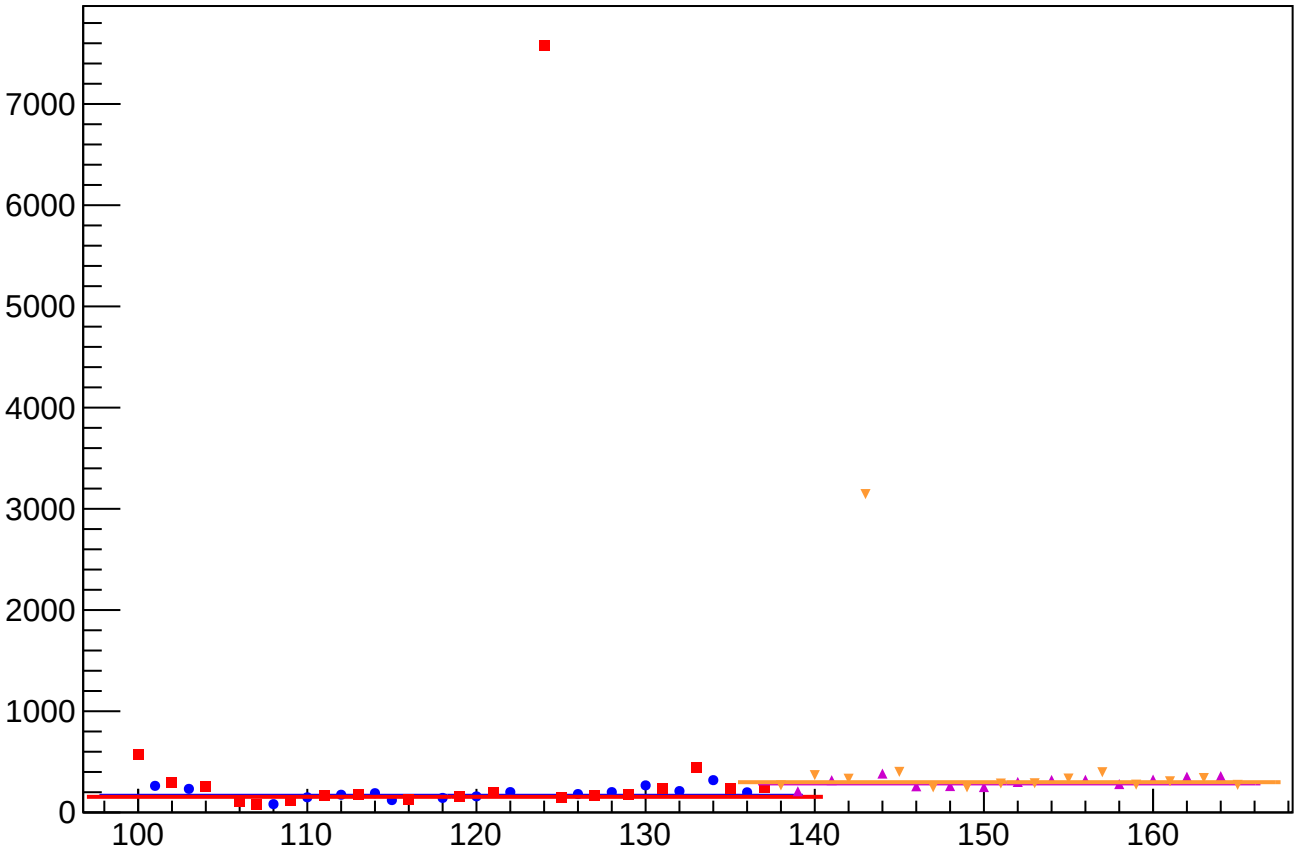
Left: -0.003+/-0.064 χ^2/NDF: 38.7/27

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.007+/-0.037 χ^2/NDF: 66.1/62



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 299.044+/-0.065 χ^2/NDF:1844510.1/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

Left: 292.763+/-0.045 χ^2/NDF: 2448704.0/27

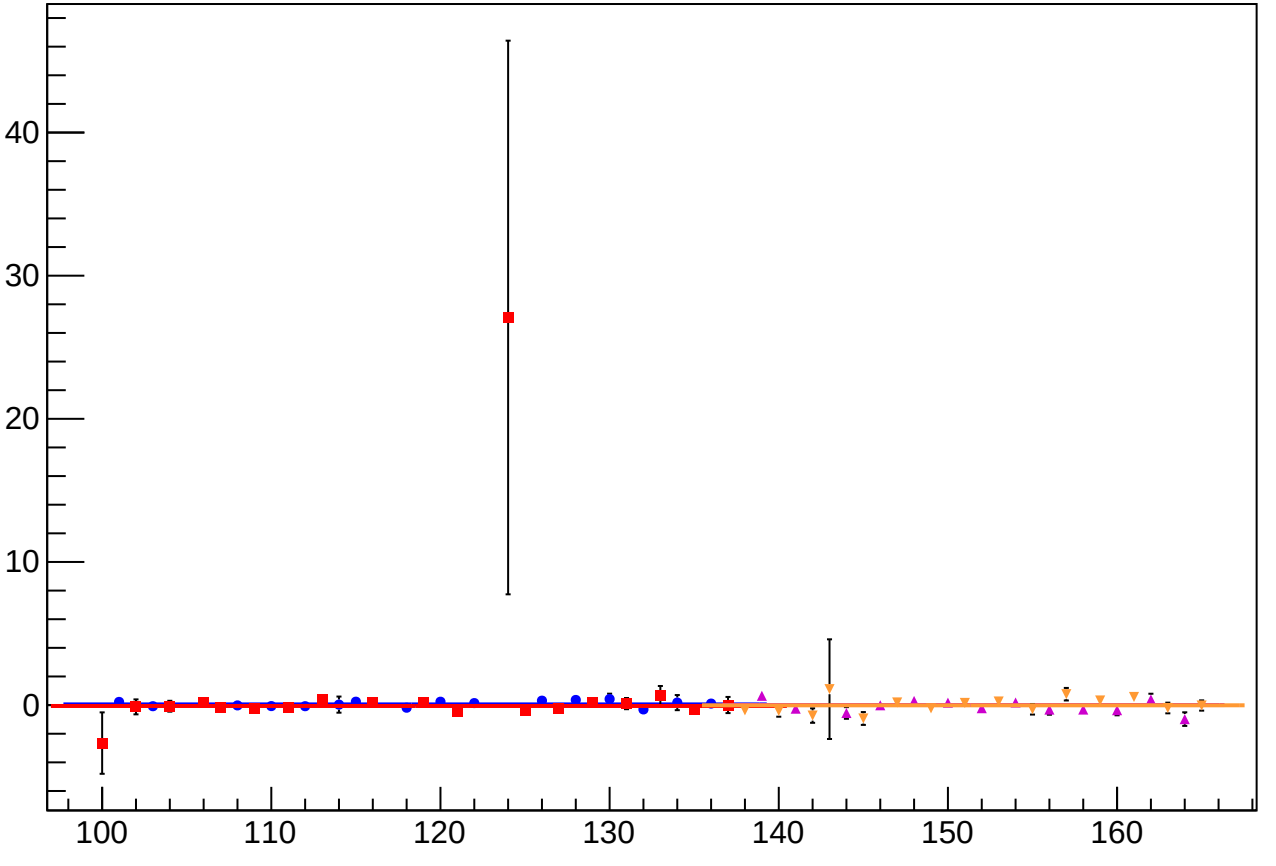
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 208.621+/-0.038 χ^2/NDF:4481365.6/28

Out: 202.353+/-0.037 χ^2/NDF:7111539.9/33

All: 205.456+/-0.026 χ^2/NDF: 11606932.9/62

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: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

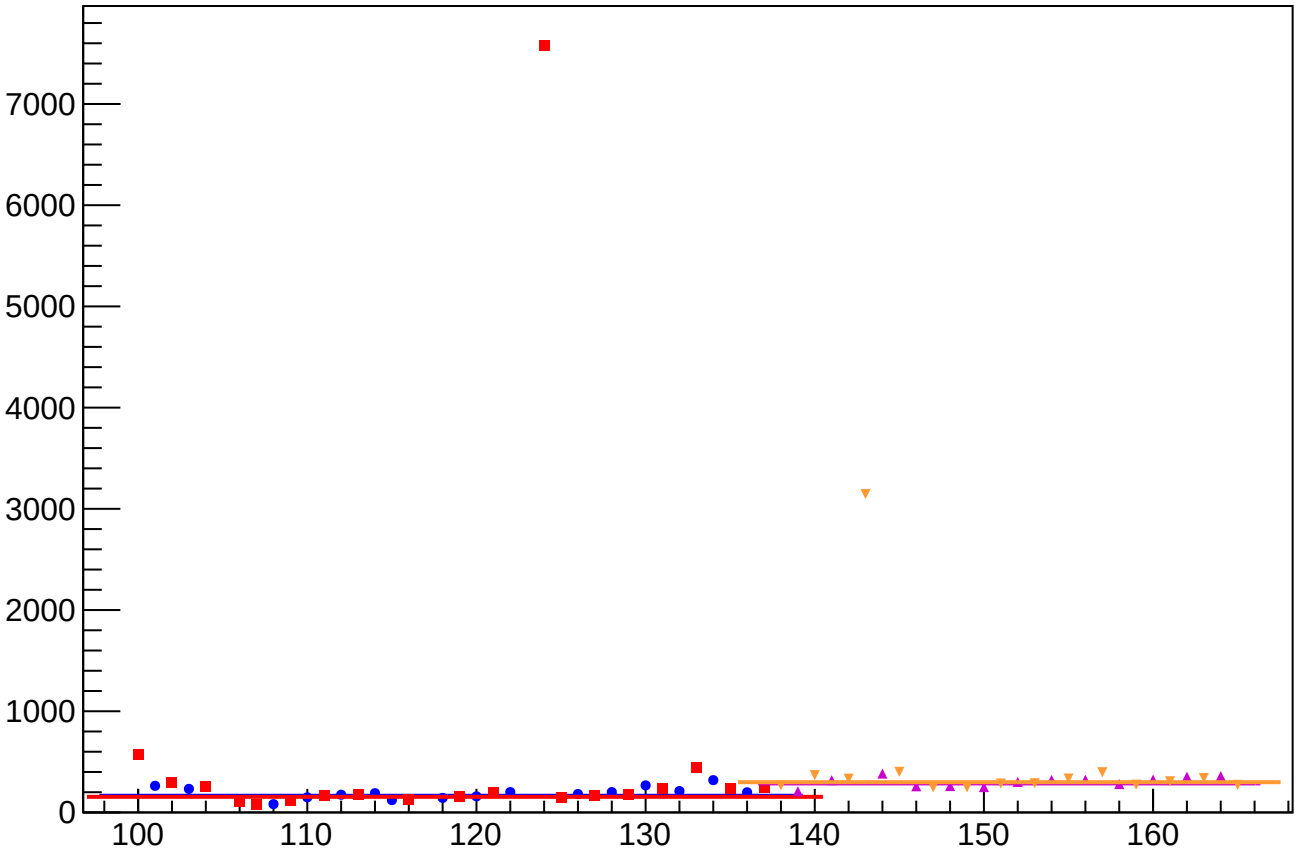
Left: -0.003+/-0.064 χ^2/NDF: 38.7/27

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.007+/-0.037 χ^2/NDF: 66.1/62



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 299.044+/-0.065 χ^2/NDF:1844510.1/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

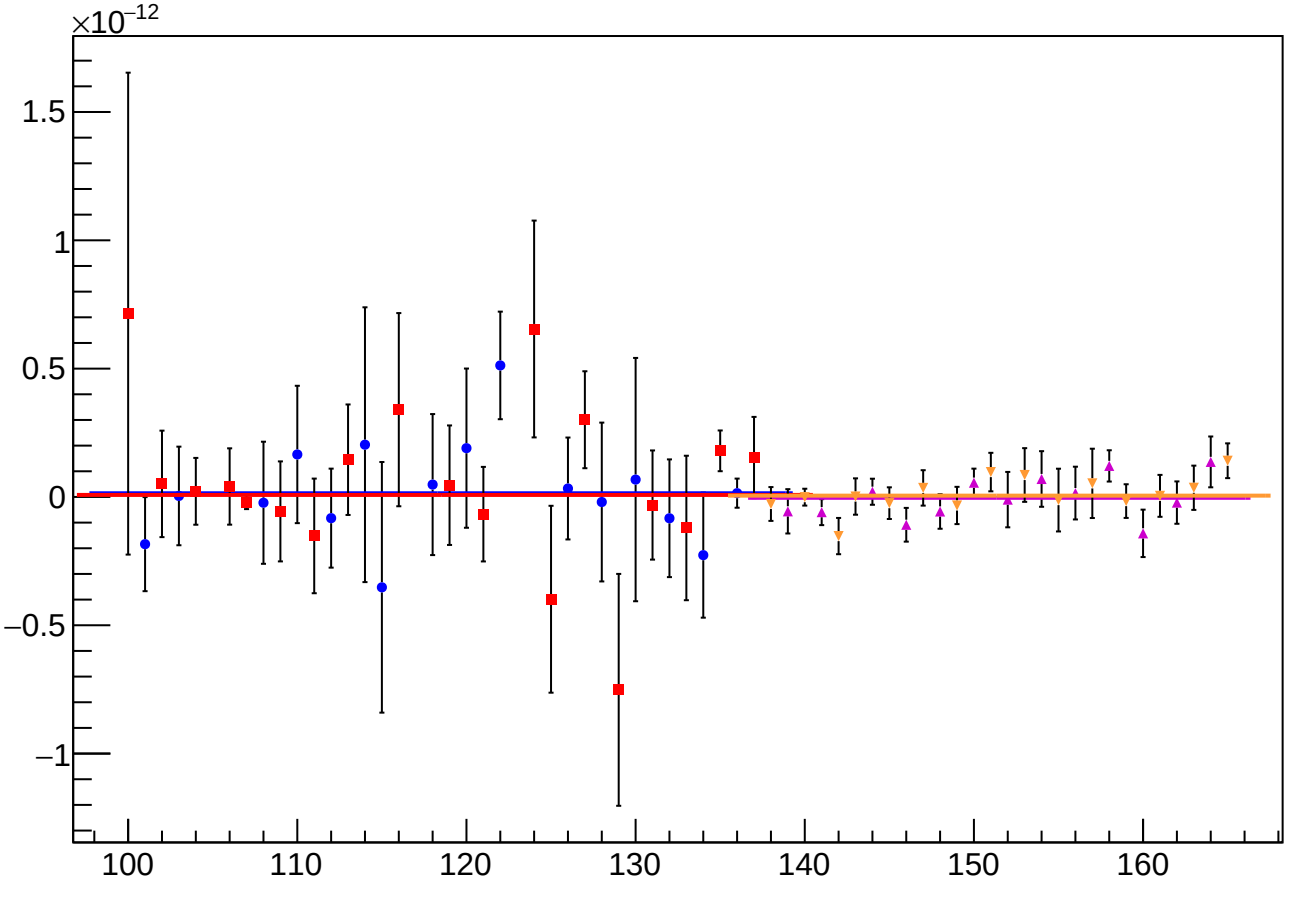
Left: 292.763+/-0.045 χ^2/NDF: 2448704.0/27

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 208.621+/-0.038 χ^2/NDF:4481365.6/28

Out: 202.353+/-0.037 χ^2/NDF:7111539.9/33

All: 205.456+/-0.026 χ^2/NDF: 11606932.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/12

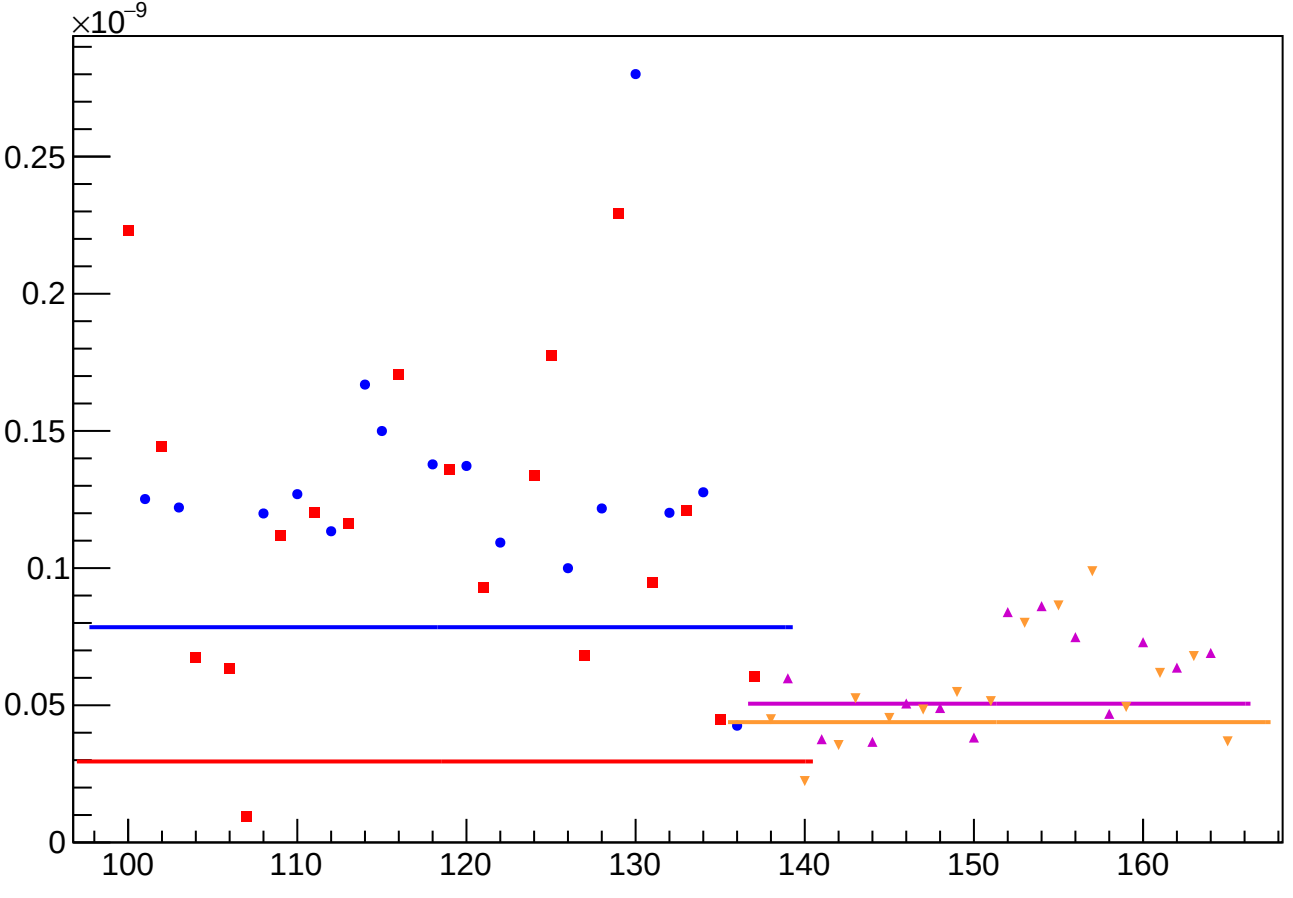
Left: 0.000+/-0.000 χ^2/NDF: 27.6/27

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:24.9/28

Out: 0.000+/-0.000 χ^2/NDF:30.8/33

All: 0.000+/-0.000 χ^2/NDF: 55.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2094425.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1170128.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3396721.7/27

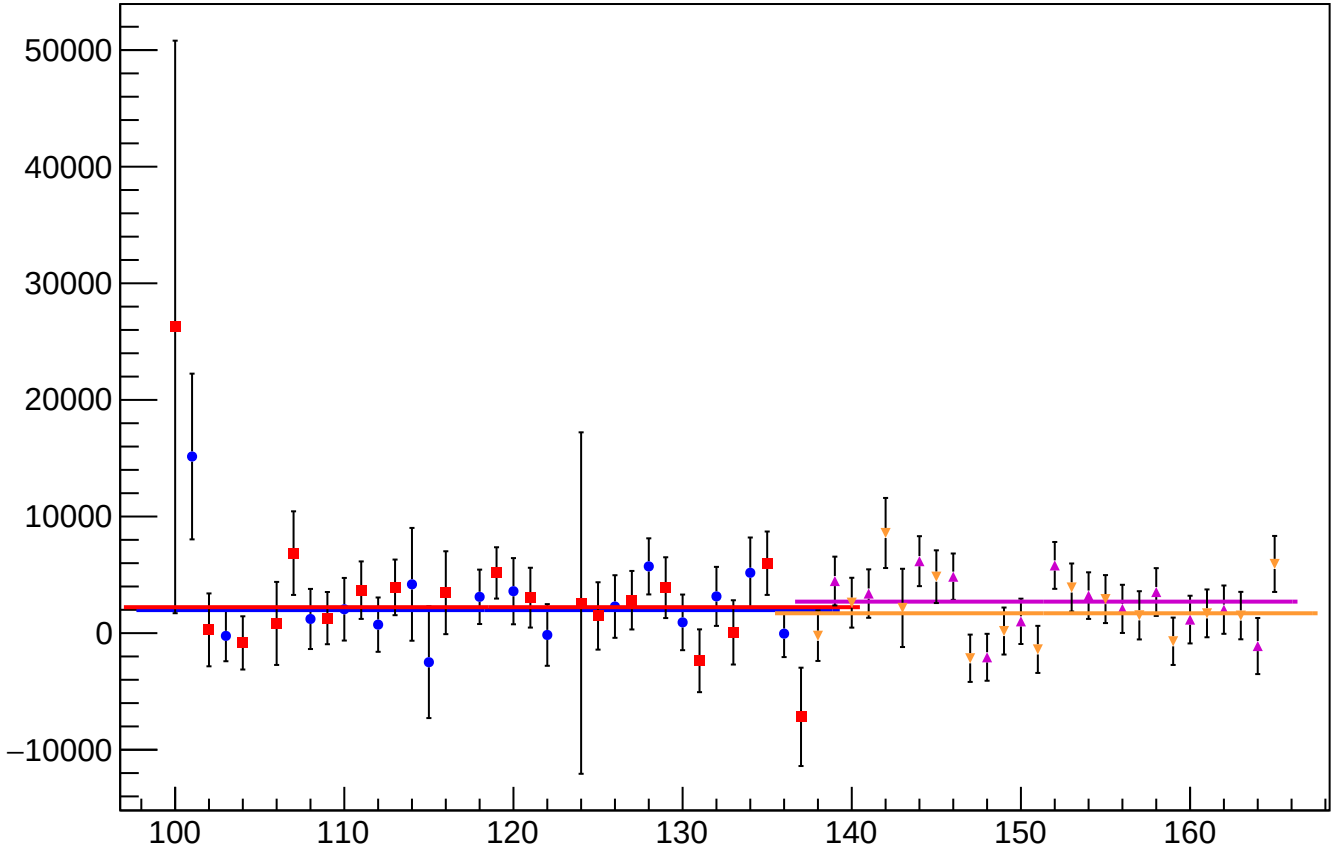
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3985498.6/28

Out: 0.000+/-0.000 χ^2/NDF:8080195.5/33

All: 0.000+/-0.000 χ^2/NDF: 13181655.1/62

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.548+/-562.134 χ^2/NDF:20.7/14

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2701.523+/-571.760 χ^2/NDF:16.9/12

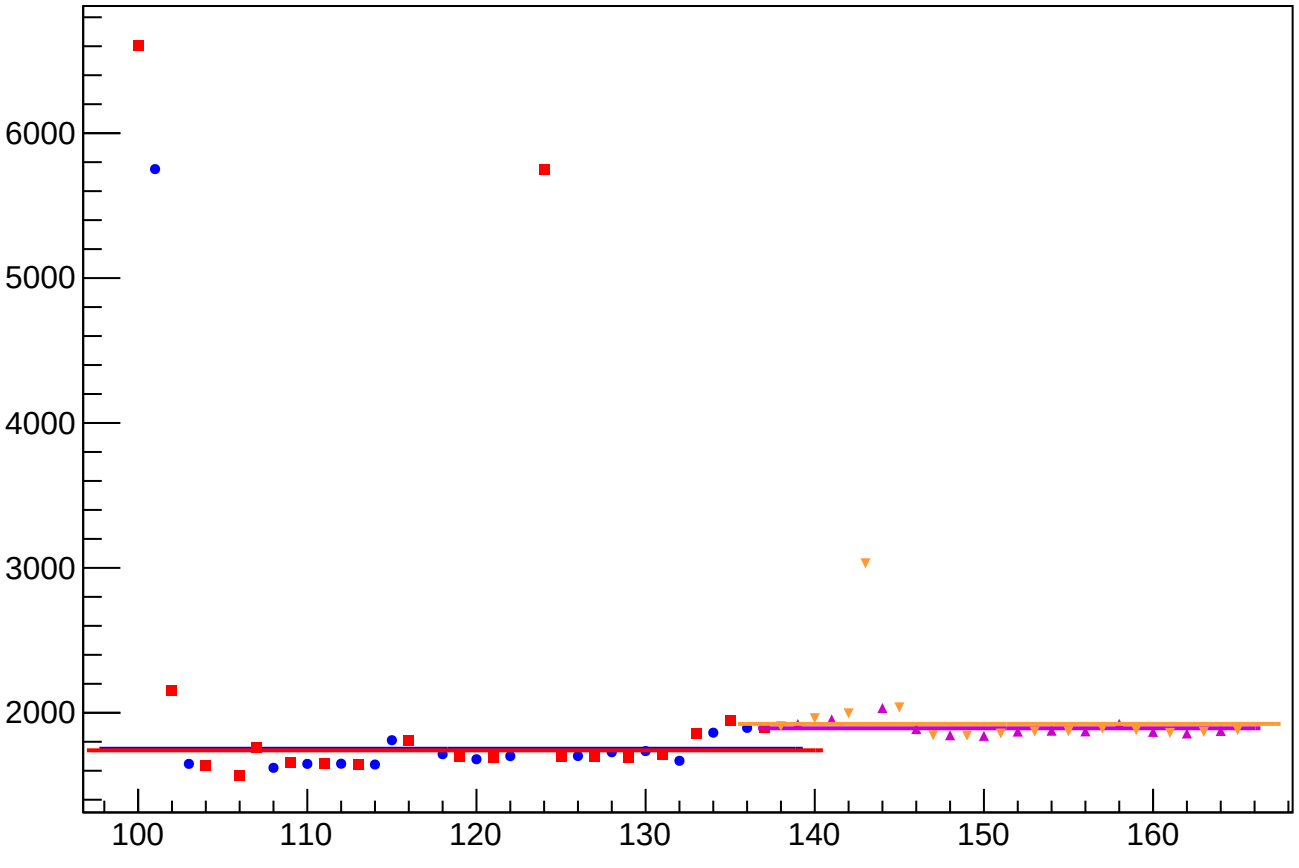
Left: 2194.064+/-400.849 χ^2/NDF: 39.2/27

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2394.718+/-434.293 χ^2/NDF:29.7/28

Out: 1924.714+/-426.931 χ^2/NDF:40.1/33

All: 2155.698+/-304.456 χ^2/NDF: 70.4/62



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

Left: 1908.488+/-0.283 χ^2/NDF: 259568.3/27

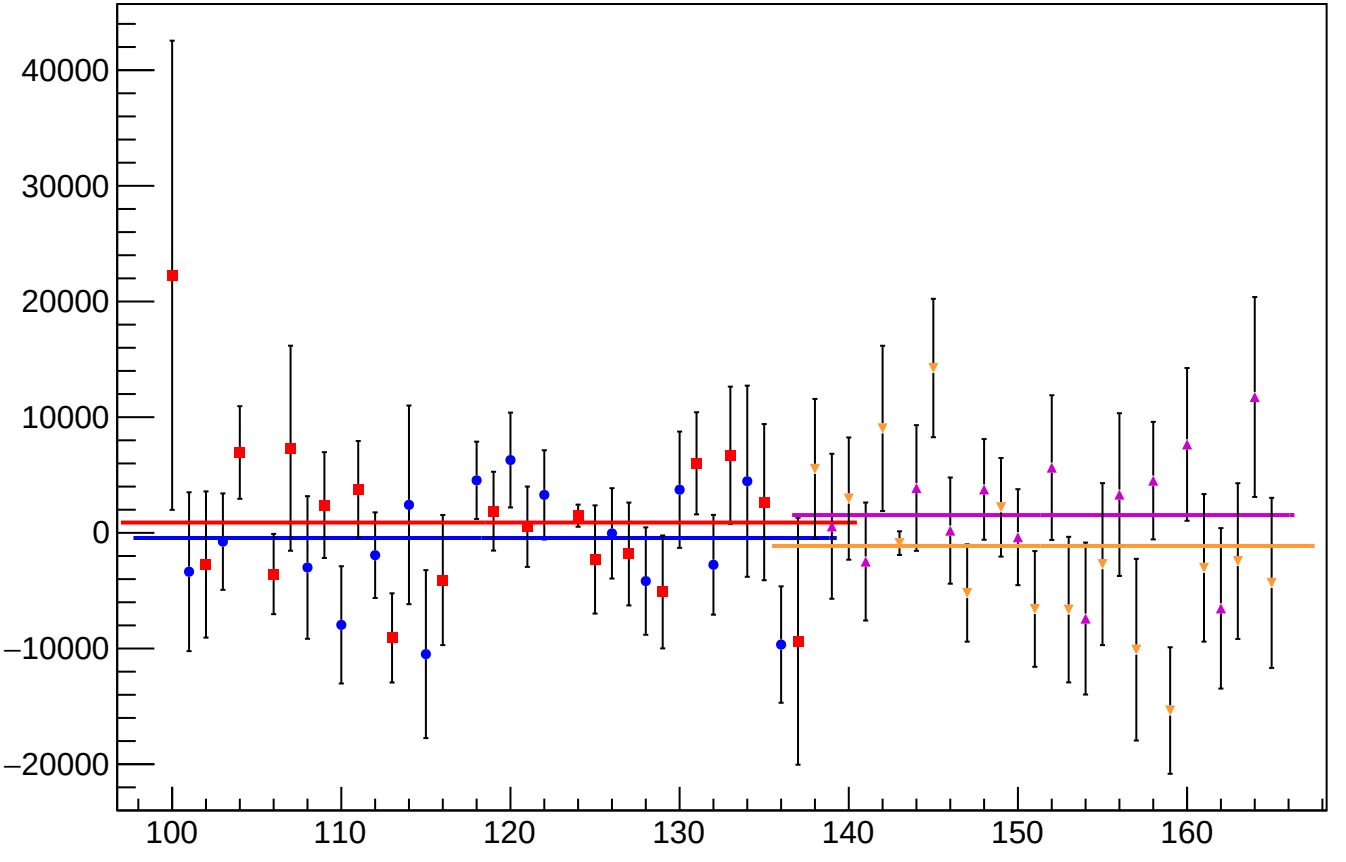
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1833.217+/-0.307 χ^2/NDF:737715.2/28

Out: 1845.577+/-0.301 χ^2/NDF:635901.8/33

All: 1839.522+/-0.215 χ^2/NDF: 1374443.3/62

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1131.626+/-851.480 χ^2/NDF:22.4/14

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1538.308+/-1541.267 χ^2/NDF:7.7/12

Left: -507.295+/-745.306 χ^2/NDF: 32.4/27

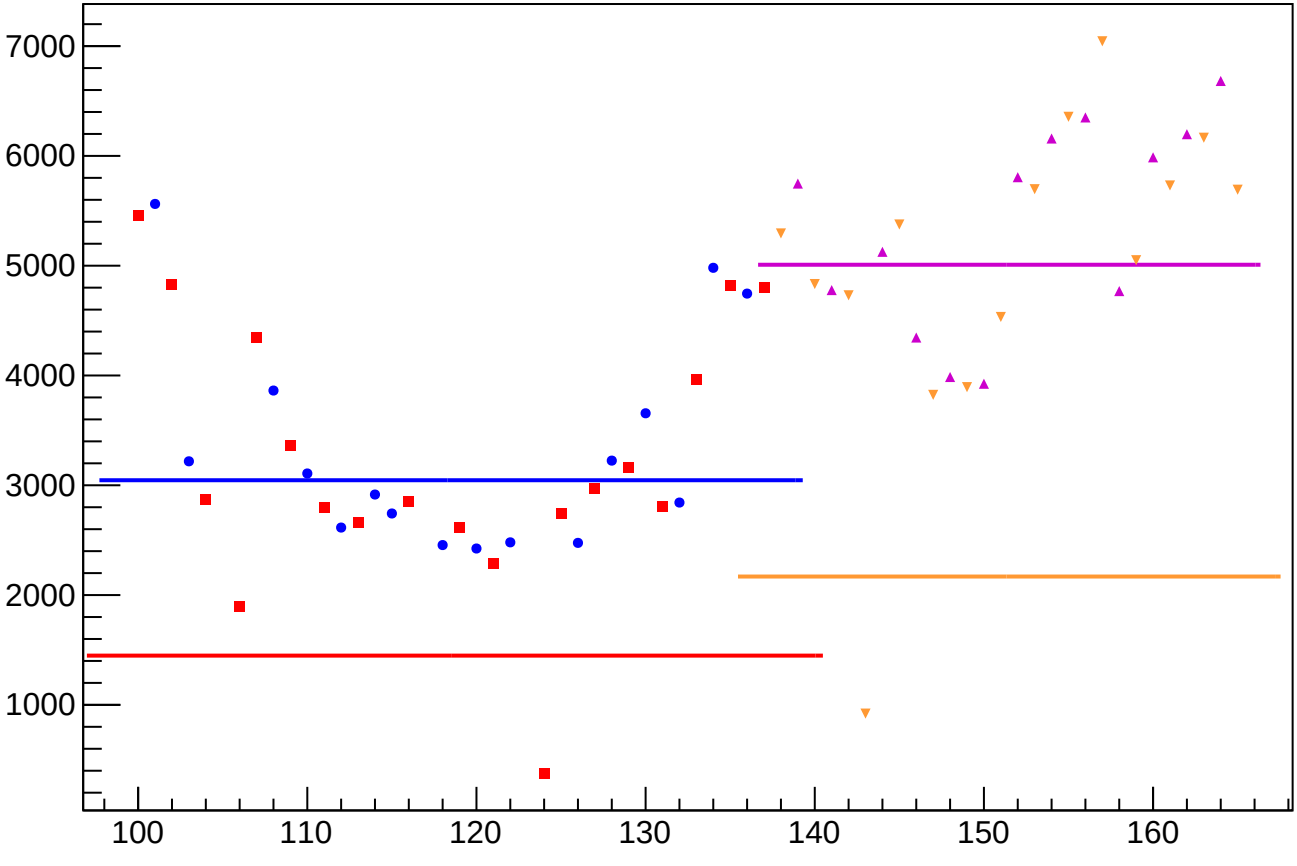
Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 284.023+/-934.150 χ^2/NDF:24.7/28

Out: 40.638+/-552.333 χ^2/NDF:45.8/33

All: 103.685+/-475.444 χ^2/NDF: 70.5/62

asym_atr1l2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2168.787+/-0.602 χ^2/NDF:10397490.1/14

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5008.600+/-1.090 χ^2/NDF:670222.8/12

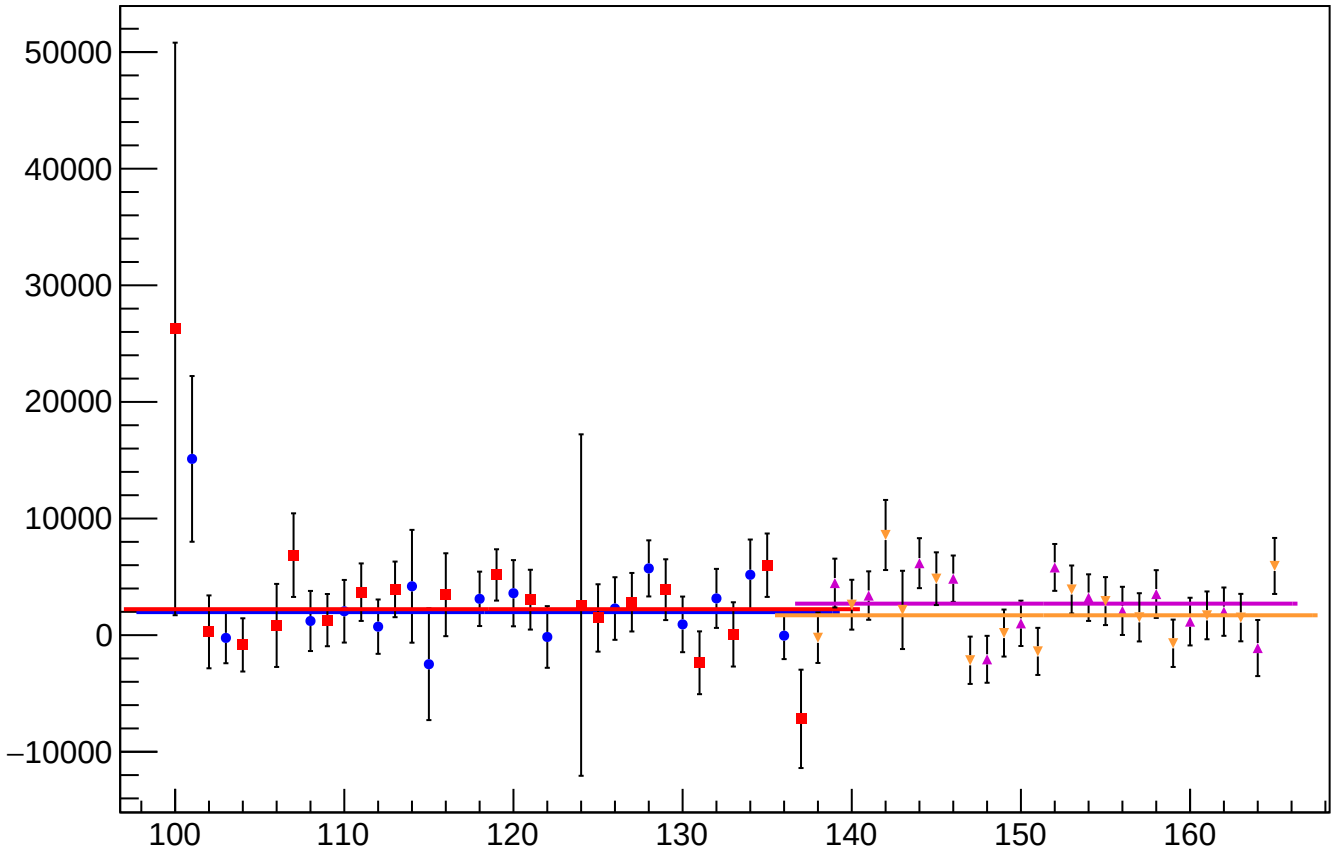
Left: 2832.842+/-0.527 χ^2/NDF: 16269766.4/27

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3766.904+/-0.661 χ^2/NDF:3629430.3/28

Out: 1751.593+/-0.391 χ^2/NDF:18013337.2/33

All: 2273.637+/-0.336 χ^2/NDF: 28540031.8/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.607+/-562.134 χ^2/NDF:20.7/14

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2701.622+/-571.760 χ^2/NDF:16.9/12

Left: 2194.142+/-400.849 χ^2/NDF: 39.2/27

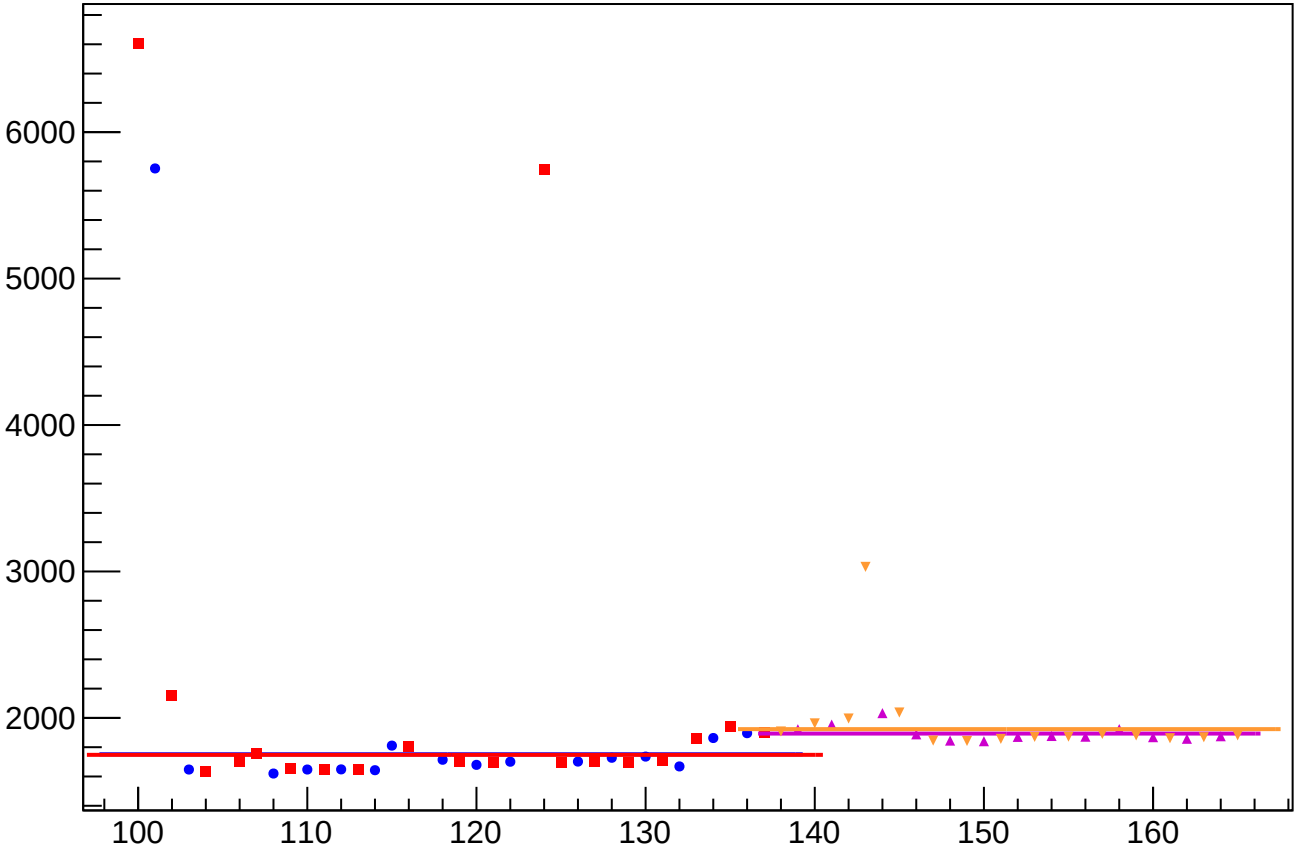
Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2394.626+/-434.293 χ^2/NDF:29.7/28

Out: 1924.788+/-426.931 χ^2/NDF:40.1/33

All: 2155.691+/-304.456 χ^2/NDF: 70.3/62

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

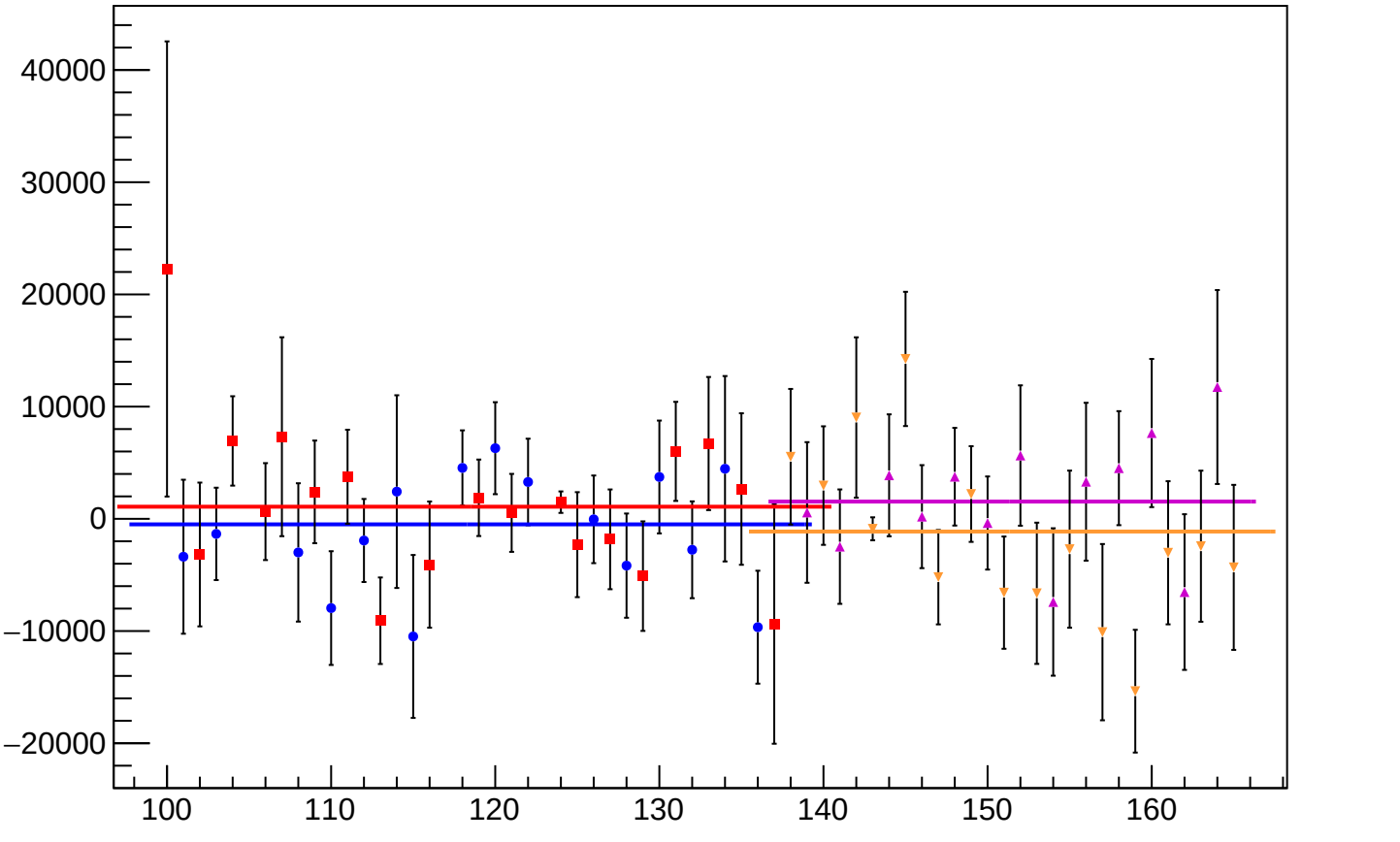
Left: 1908.488+/-0.283 χ^2/NDF: 259568.3/27

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.217+/-0.307 χ^2/NDF:737715.7/28

Out: 1848.762+/-0.301 χ^2/NDF:622306.2/33

All: 1841.135+/-0.215 χ^2/NDF: 1361327.1/62



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1131.424+/-851.456 χ^2/NDF:22.4/14

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1538.387+/-1541.266 χ^2/NDF:7.7/12

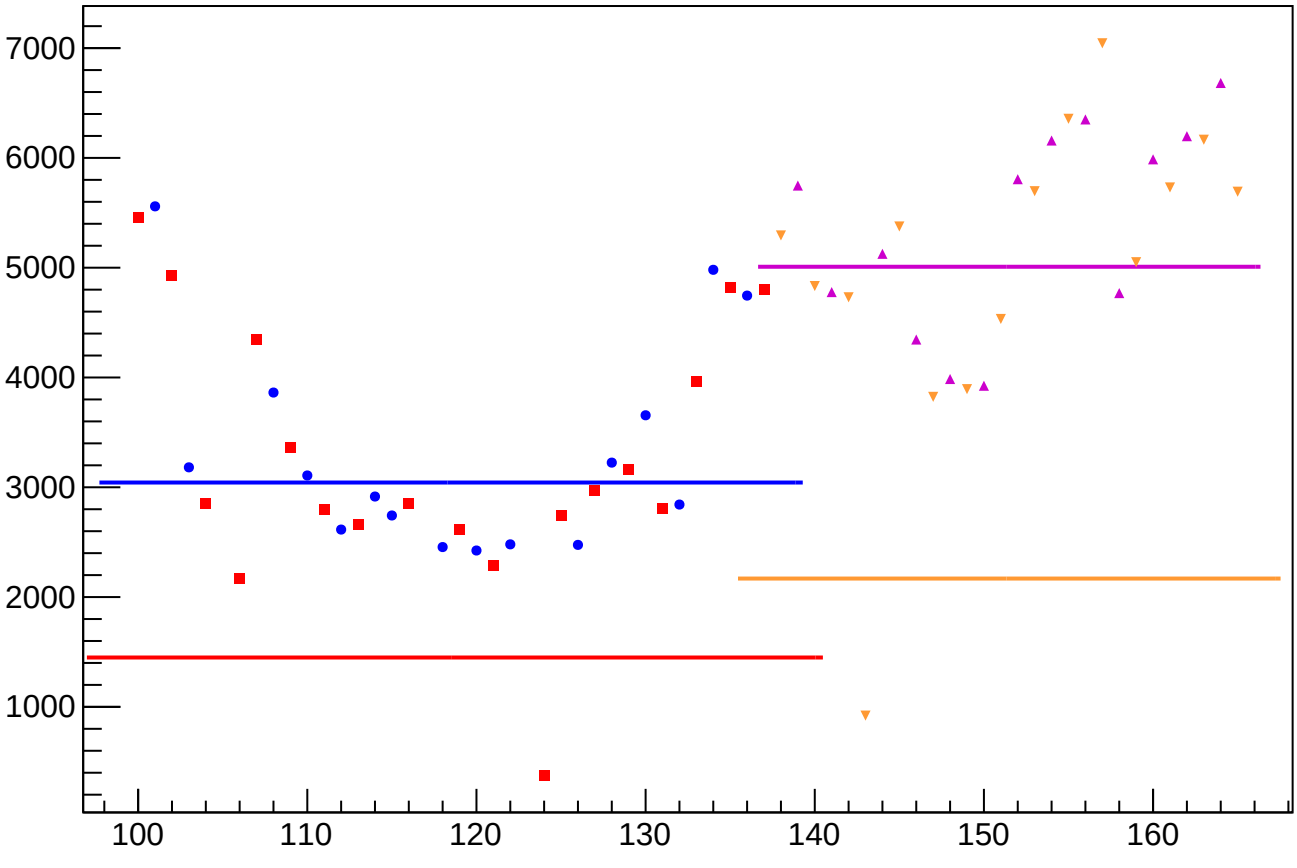
Left: -507.149+/-745.290 χ^2/NDF: 32.4/27

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 252.307+/-933.541 χ^2/NDF:24.8/28

Out: 141.506+/-554.836 χ^2/NDF:44.8/33

All: 170.428+/-476.956 χ^2/NDF: 69.6/62



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2168.690+/-0.602 χ^2/NDF:10397910.3/14

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

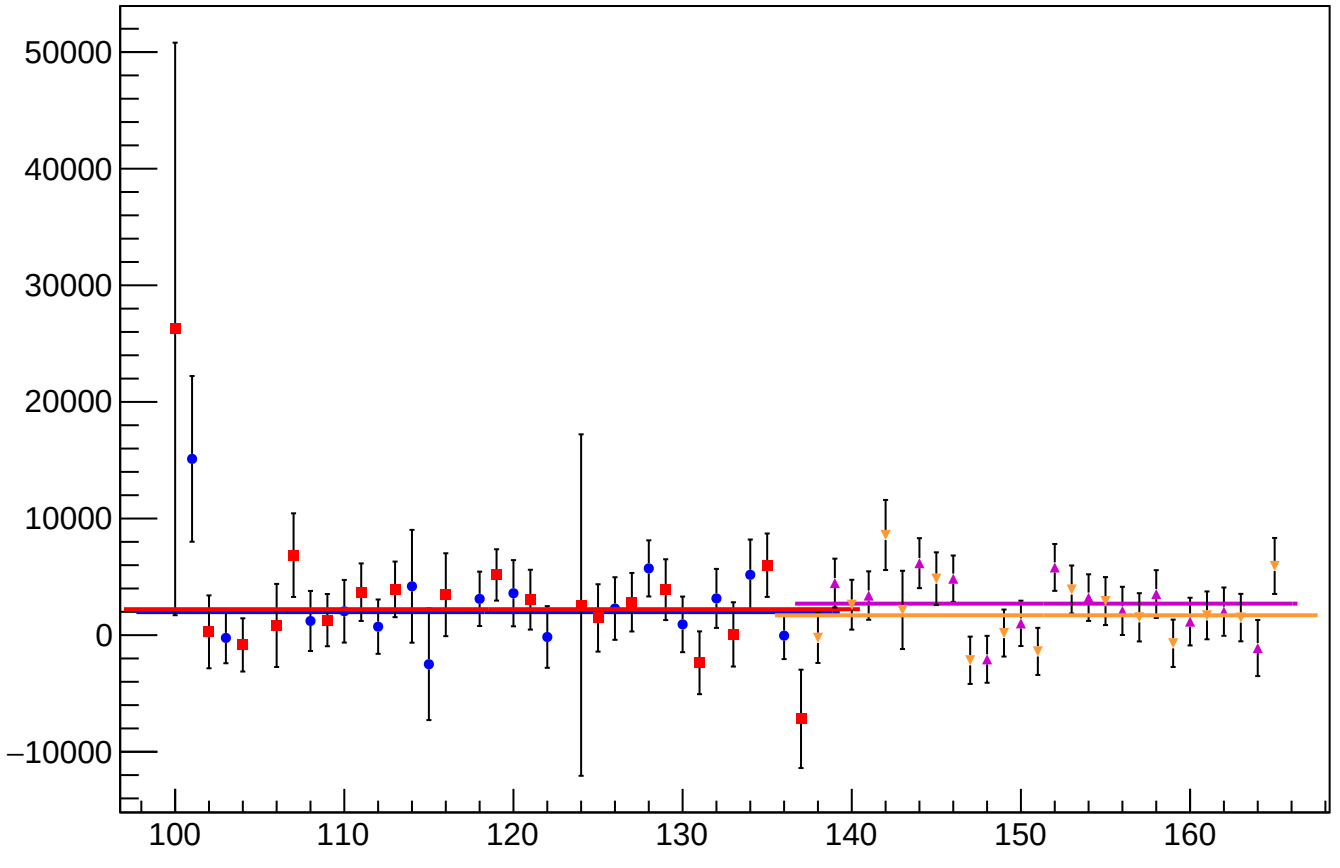
Left: 2832.738+/-0.527 χ^2/NDF: 16270608.6/27

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3764.289+/-0.660 χ^2/NDF:3634797.0/28

Out: 1754.895+/-0.392 χ^2/NDF:18044591.9/33

All: 2279.407+/-0.337 χ^2/NDF: 28526704.7/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.607+/-562.134 χ^2/NDF:20.7/14

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2701.622+/-571.760 χ^2/NDF:16.9/12

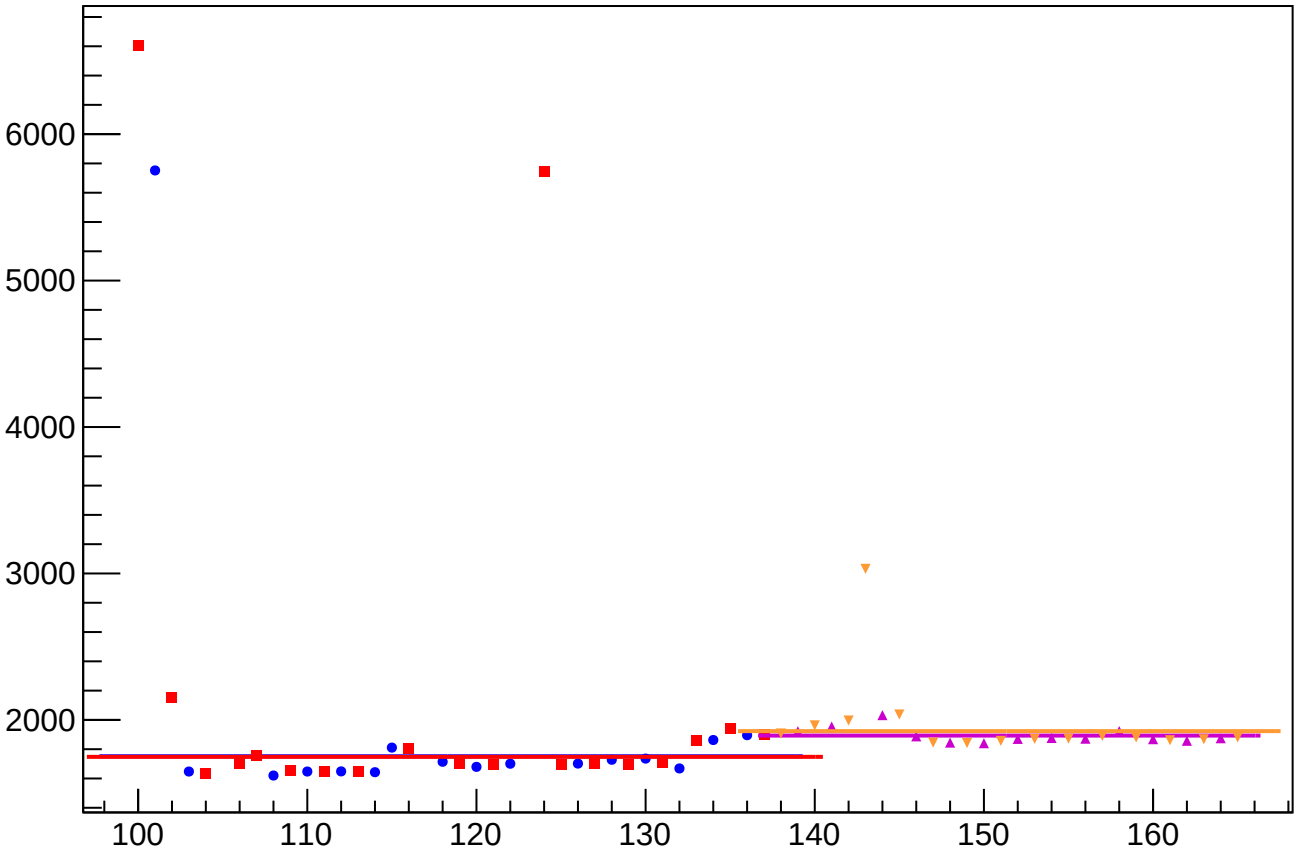
Left: 2194.142+/-400.849 χ^2/NDF: 39.2/27

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

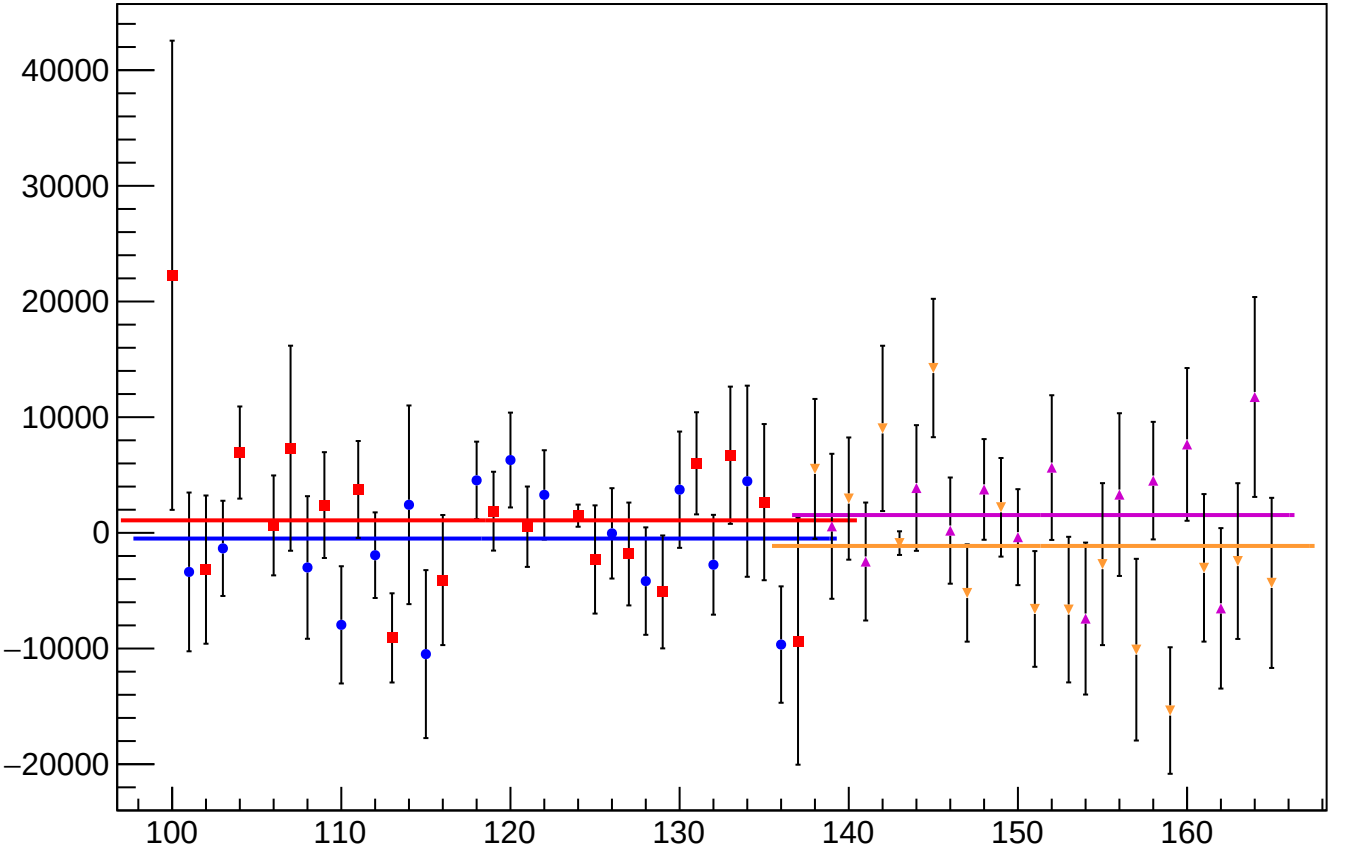
In: 2394.626+/-434.293 χ^2/NDF:29.7/28

Out: 1924.788+/-426.931 χ^2/NDF:40.1/33

All: 2155.691+/-304.456 χ^2/NDF: 70.3/62


eigen_cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1751.606+/-0.472 χ²/NDF: 670651.6/15
Left Out: 1923.402+/-0.397 χ²/NDF:241425.3/14
Right Out: 1747.786+/-0.462 χ²/NDF: 297917.6/18
Left In: 1893.058+/-0.404 χ²/NDF:15278.5/12
Left: 1908.488+/-0.283 χ²/NDF: 259568.3/27
Right: 1749.656+/-0.330 χ²/NDF: 968602.6/34
In: 1833.217+/-0.307 χ²/NDF:737715.7/28
Out: 1848.762+/-0.301 χ²/NDF:622306.2/33
All: 1841.135+/-0.215 χ²/NDF: 1361327.1/62

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: -1131.424+/-851.456 χ^2/NDF:22.4/14

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1538.387+/-1541.266 χ^2/NDF:7.7/12

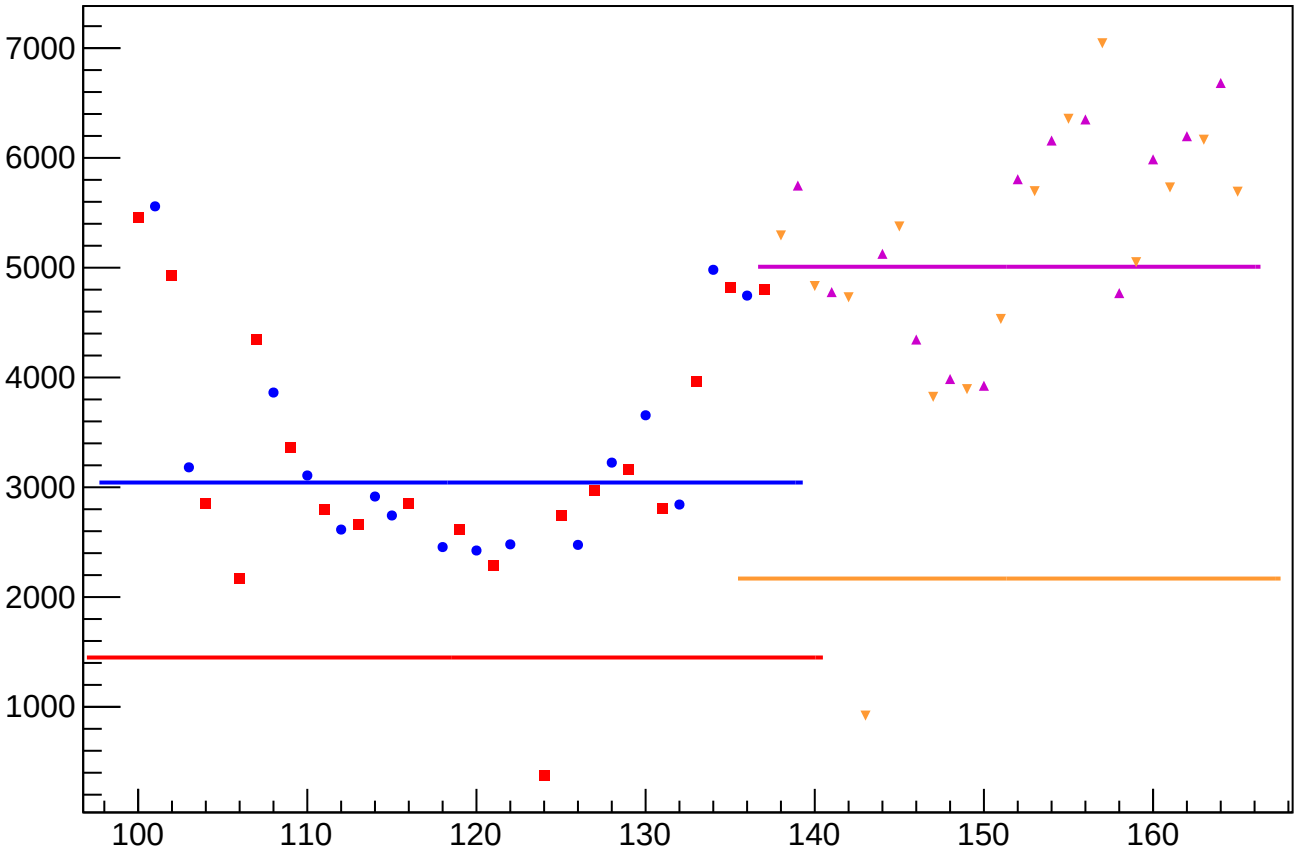
Left: -507.149+/-745.290 χ^2/NDF: 32.4/27

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 252.307+/-933.541 χ^2/NDF:24.8/28

Out: 141.506+/-554.836 χ^2/NDF:44.8/33

All: 170.428+/-476.956 χ^2/NDF: 69.6/62



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2168.690+/-0.602 χ^2/NDF:10397910.3/14

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

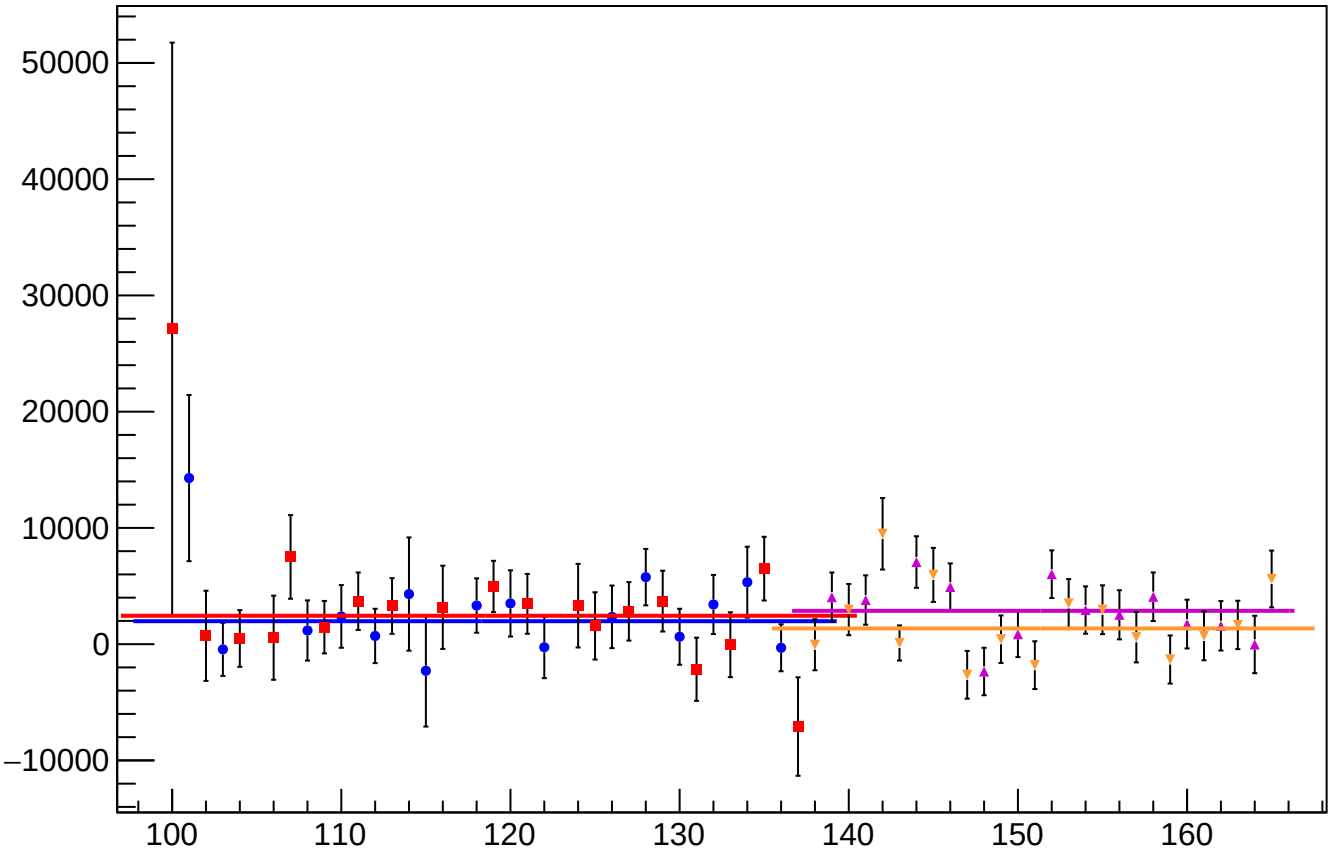
Left: 2832.738+/-0.527 χ^2/NDF: 16270608.6/27

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3764.289+/-0.660 χ^2/NDF:3634797.0/28

Out: 1754.895+/-0.392 χ^2/NDF:18044591.9/33

All: 2279.407+/-0.337 χ^2/NDF: 28526704.7/6



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1352.598+/-543.883 χ^2/NDF:25.5/14

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2868.157+/-583.720 χ^2/NDF:17.5/12

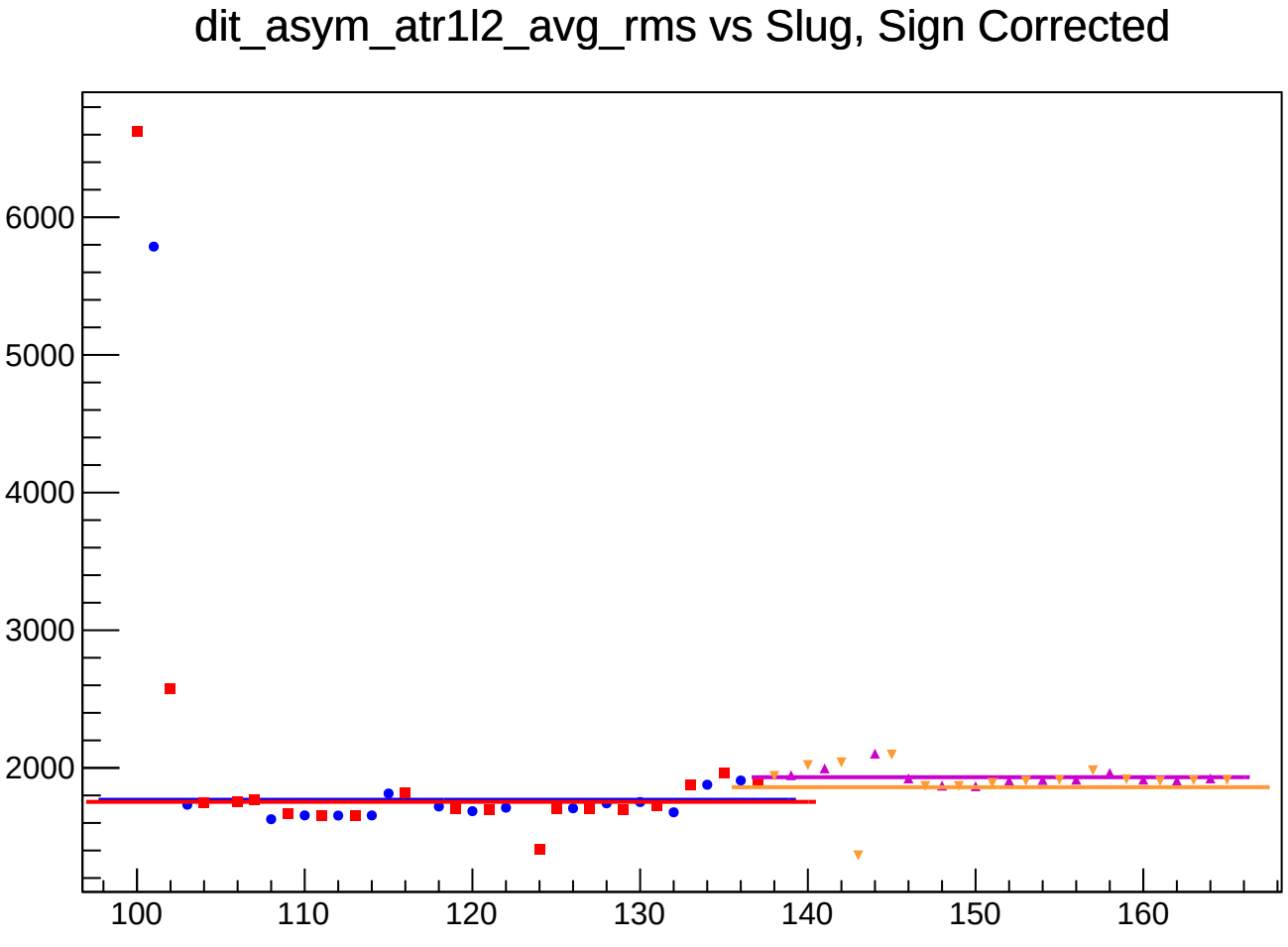
Left: 2056.900+/-397.922 χ^2/NDF: 46.5/27

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2485.762+/-441.269 χ^2/NDF:30.9/28

Out: 1795.932+/-419.131 χ^2/NDF:44.6/33

All: 2123.110+/-303.896 χ^2/NDF: 76.8/62



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.592+/-0.385 χ^2/NDF:270049.4/14

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1932.396+/-0.413 χ^2/NDF:19475.5/12

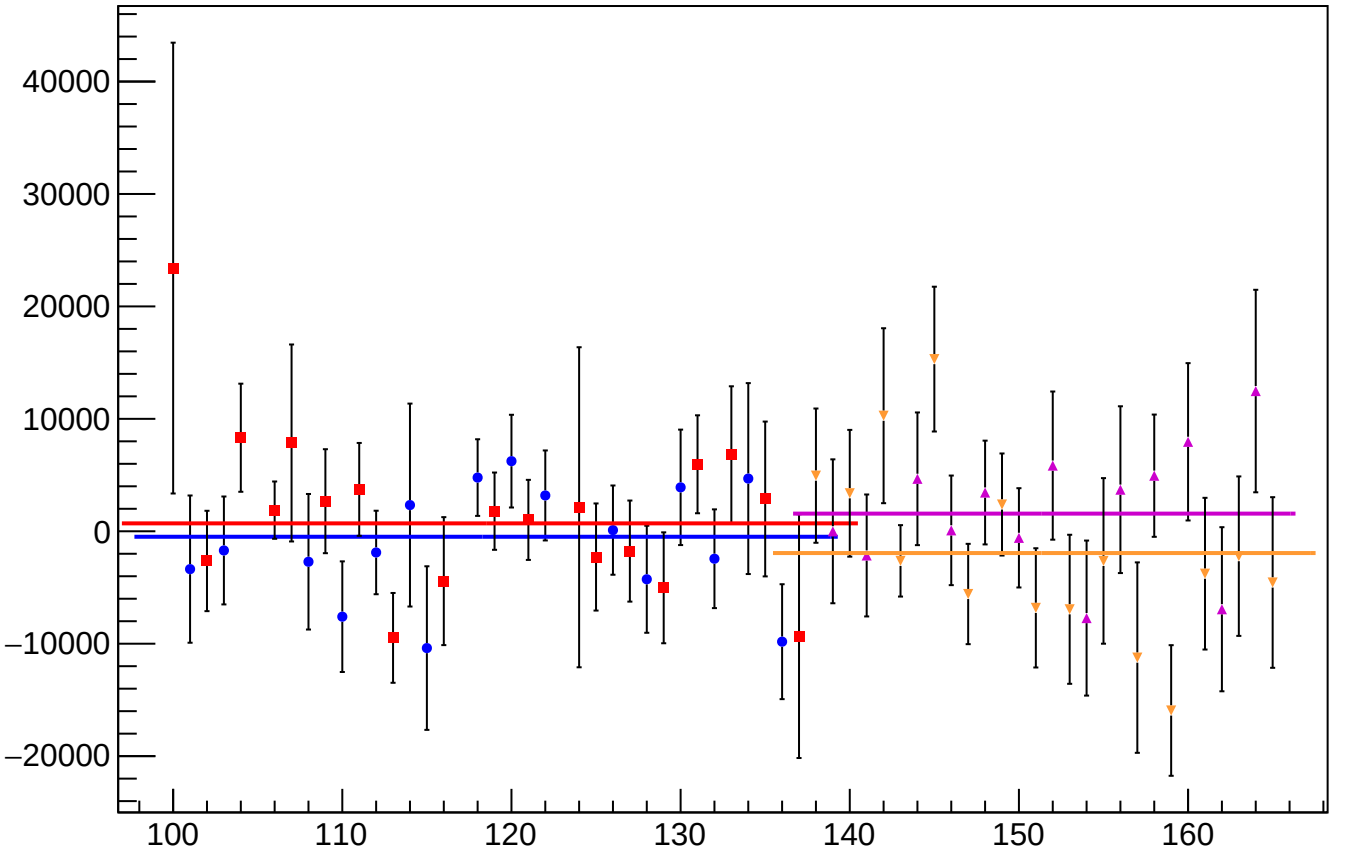
Left: 1893.425+/-0.281 χ^2/NDF: 306178.6/27

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1862.154+/-0.312 χ^2/NDF:754426.0/28

Out: 1816.321+/-0.296 χ^2/NDF:519986.8/33

All: 1838.034+/-0.215 χ^2/NDF: 1285767.4/62



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1936.806+/-1446.964 χ^2/NDF:22.1/14

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1570.123+/-1632.763 χ^2/NDF:7.7/12

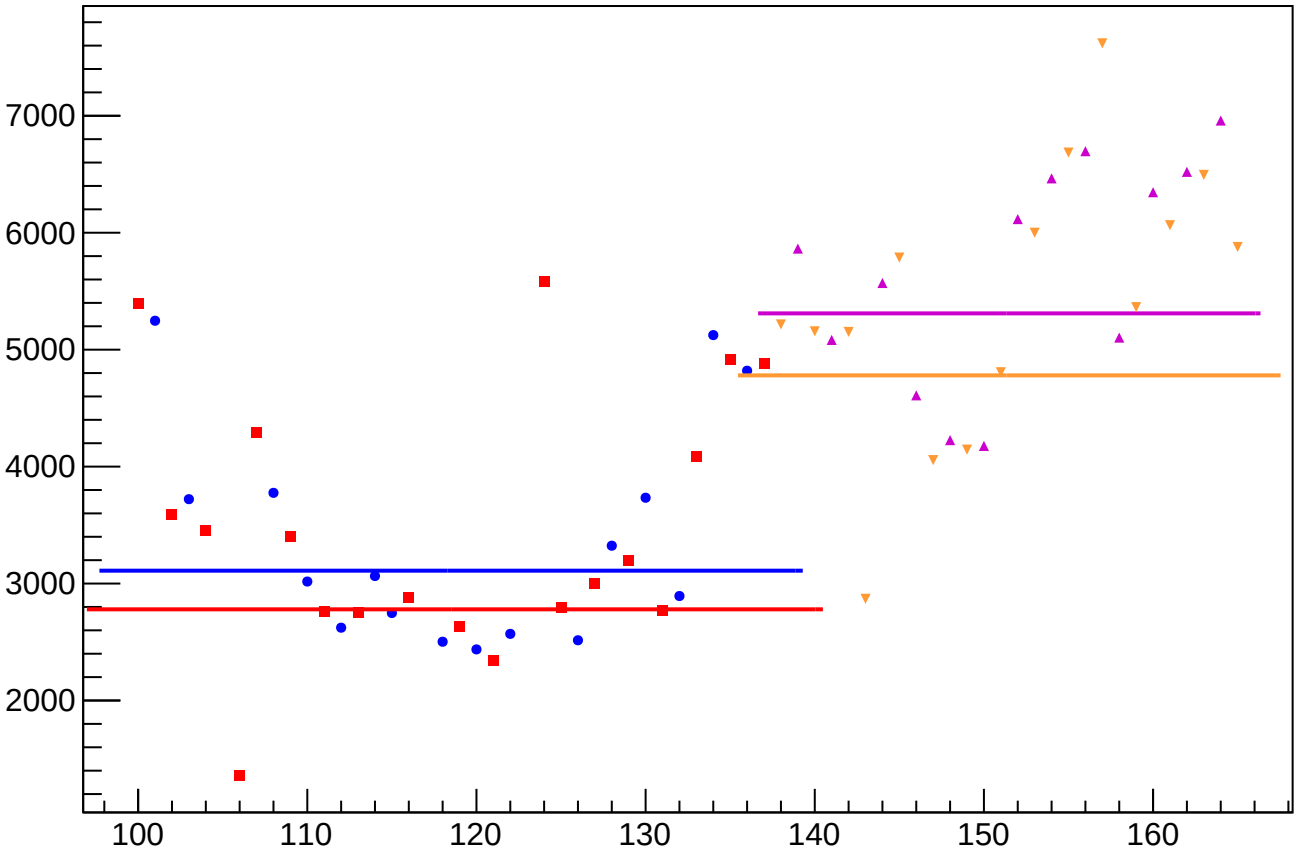
Left: -394.147+/-1082.916 χ^2/NDF: 32.4/27

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 232.576+/-966.157 χ^2/NDF:24.4/28

Out: -229.405+/-860.048 χ^2/NDF:43.1/33

All: -25.167+/-642.398 χ^2/NDF: 67.7/62



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4780.234+/-1.023 χ^2/NDF:1566204.9/14

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5310.374+/-1.155 χ^2/NDF:630611.2/12

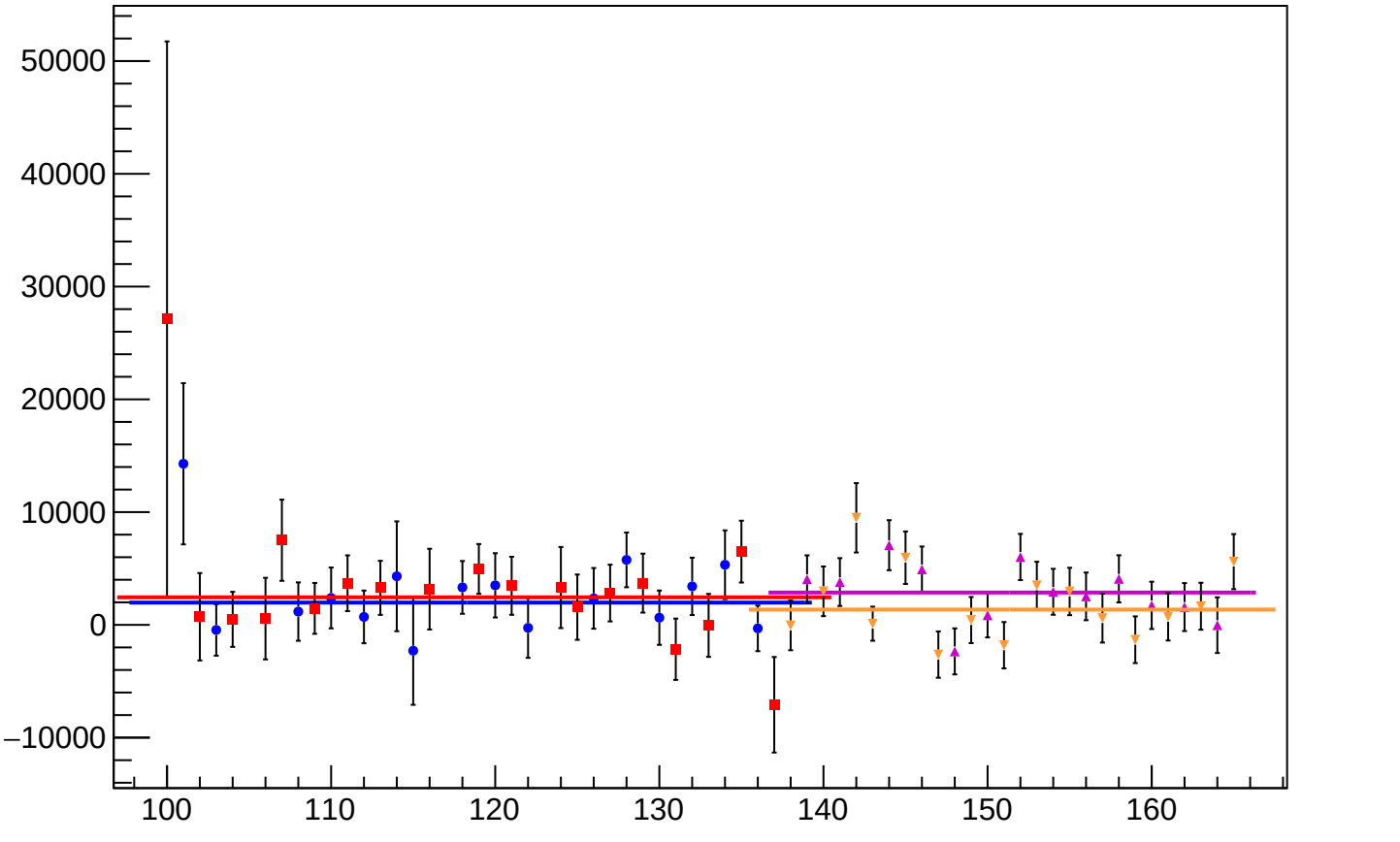
Left: 5013.437+/-0.766 χ^2/NDF: 2314913.1/27

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3880.539+/-0.683 χ^2/NDF:3874025.4/28

Out: 3486.421+/-0.608 χ^2/NDF:5386909.2/33

All: 3660.657+/-0.454 χ^2/NDF: 9446607.5/62



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1352.593+/-543.883 χ^2/NDF:25.5/14

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2868.157+/-583.721 χ^2/NDF:17.5/12

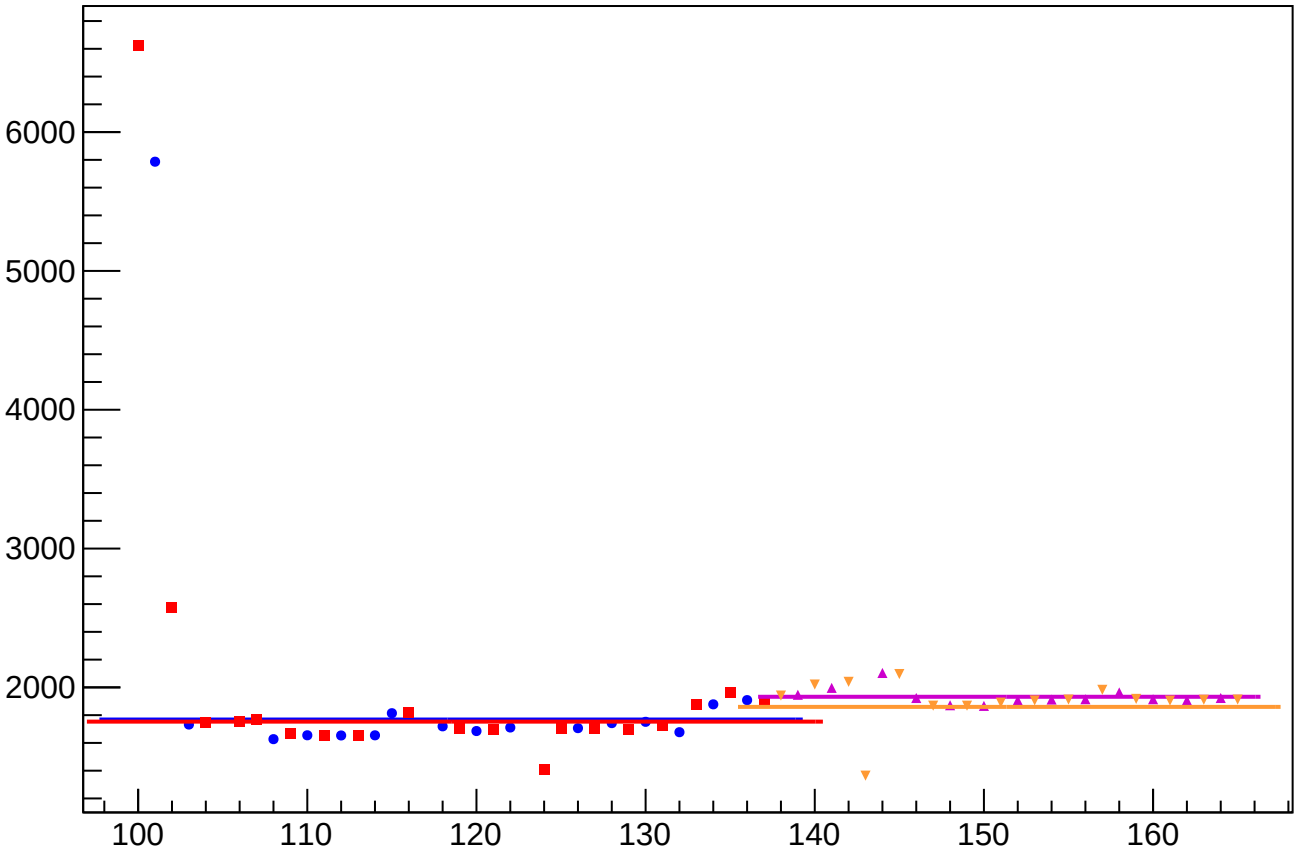
Left: 2056.898+/-397.922 χ^2/NDF: 46.5/27

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2485.762+/-441.269 χ^2/NDF:30.9/28

Out: 1795.930+/-419.131 χ^2/NDF:44.6/33

All: 2123.109+/-303.896 χ^2/NDF: 76.8/62



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.593+/-0.385 χ^2/NDF:270050.8/14

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1932.397+/-0.413 χ^2/NDF:19475.7/12

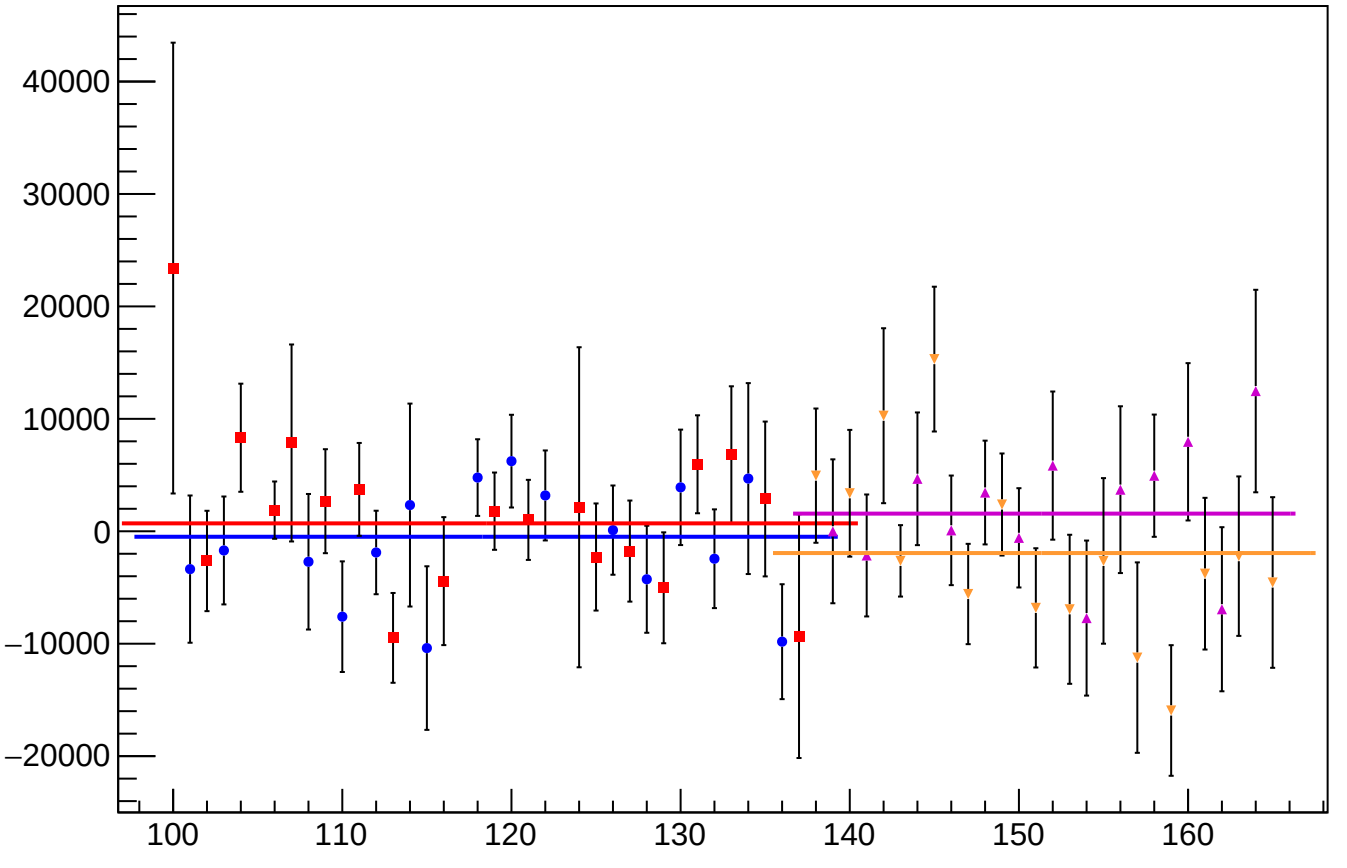
Left: 1893.426+/-0.281 χ^2/NDF: 306180.3/27

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1862.154+/-0.312 χ^2/NDF:754427.2/28

Out: 1816.321+/-0.296 χ^2/NDF:519988.9/33

All: 1838.035+/-0.215 χ^2/NDF: 1285770.7/62



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1936.813+/-1446.965 χ^2/NDF:22.1/14

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1570.123+/-1632.765 χ^2/NDF:7.7/12

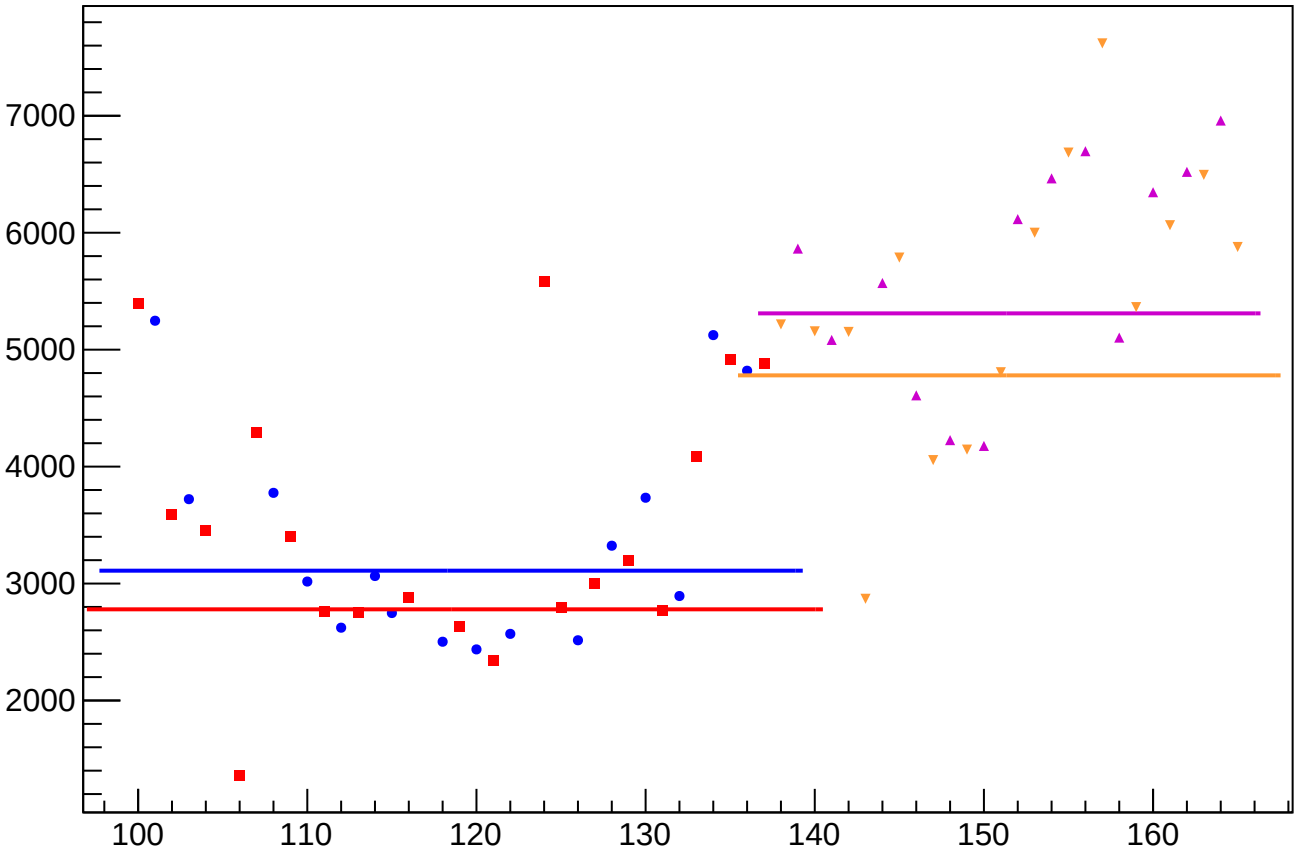
Left: -394.151+/-1082.917 χ^2/NDF: 32.4/27

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 232.576+/-966.156 χ^2/NDF:24.4/28

Out: -229.400+/-860.046 χ^2/NDF:43.1/33

All: -25.164+/-642.397 χ^2/NDF: 67.7/62



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4780.238+/-1.023 χ^2/NDF:1566212.7/14

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5310.380+/-1.155 χ^2/NDF:630614.9/12

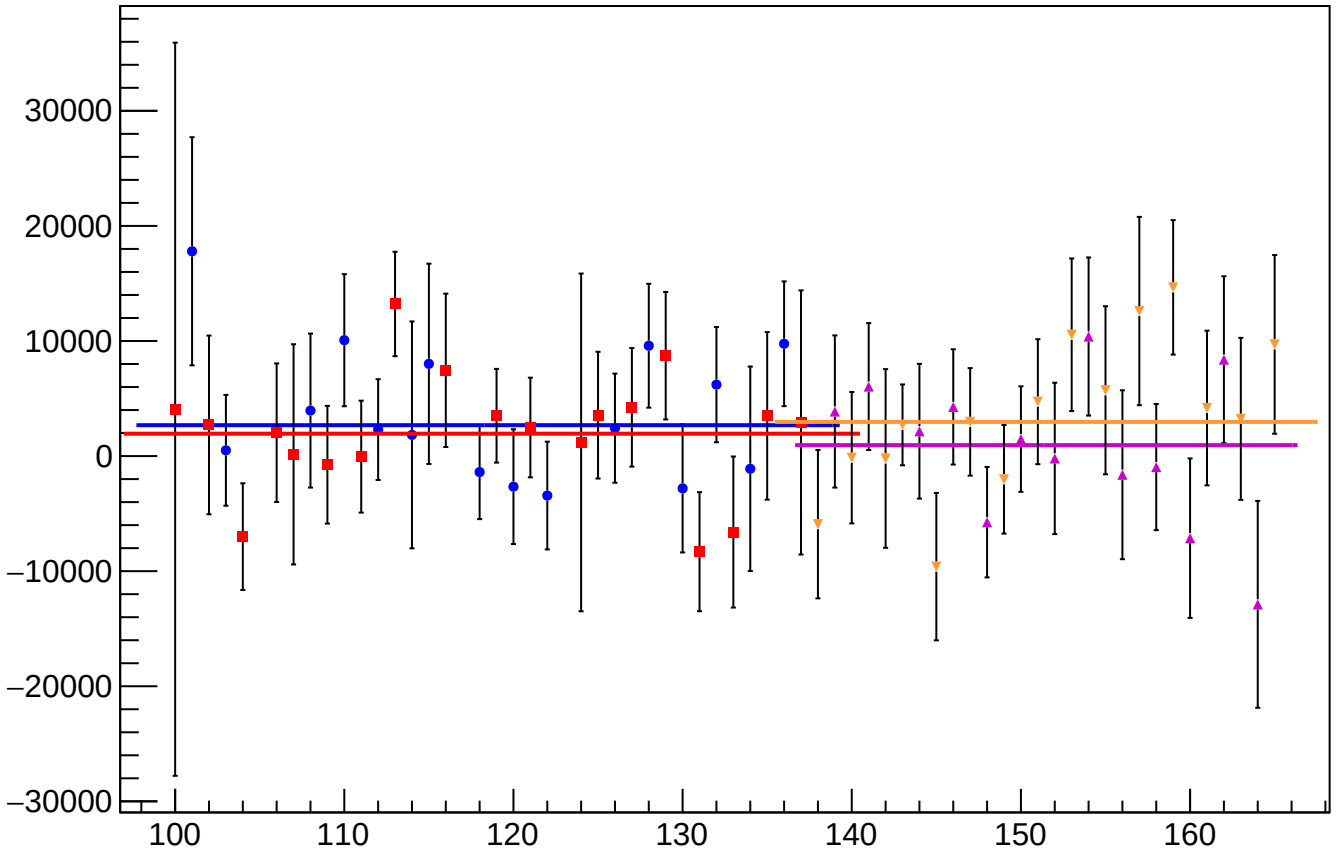
Left: 5013.442+/-0.766 χ^2/NDF: 2314925.0/27

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3880.529+/-0.683 χ^2/NDF:3874077.1/28

Out: 3486.410+/-0.608 χ^2/NDF:5386981.6/33

All: 3660.647+/-0.454 χ^2/NDF: 9446734.0/62



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2970.129+/-1497.279 χ^2/NDF:15.1/14

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 951.430+/-1657.088 χ^2/NDF:10.4/12

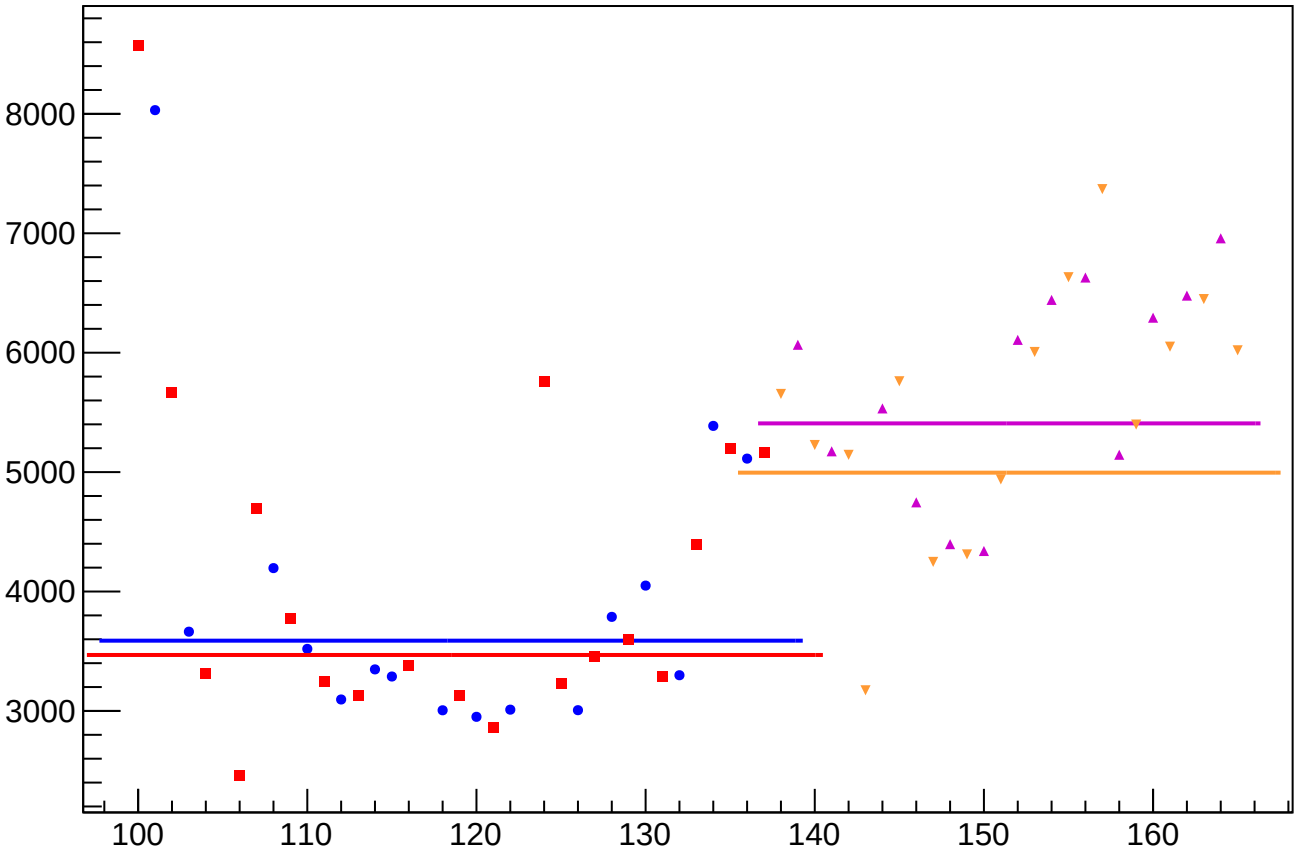
Left: 2062.791+/-1110.950 χ^2/NDF: 26.3/27

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 1975.373+/-1060.388 χ^2/NDF:24.5/28

Out: 2398.639+/-995.602 χ^2/NDF:34.0/33

All: 2200.330+/-725.820 χ^2/NDF: 58.6/62



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4995.461+/-1.059 χ^2/NDF:1179941.4/14

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5407.961+/-1.172 χ^2/NDF:520304.3/12

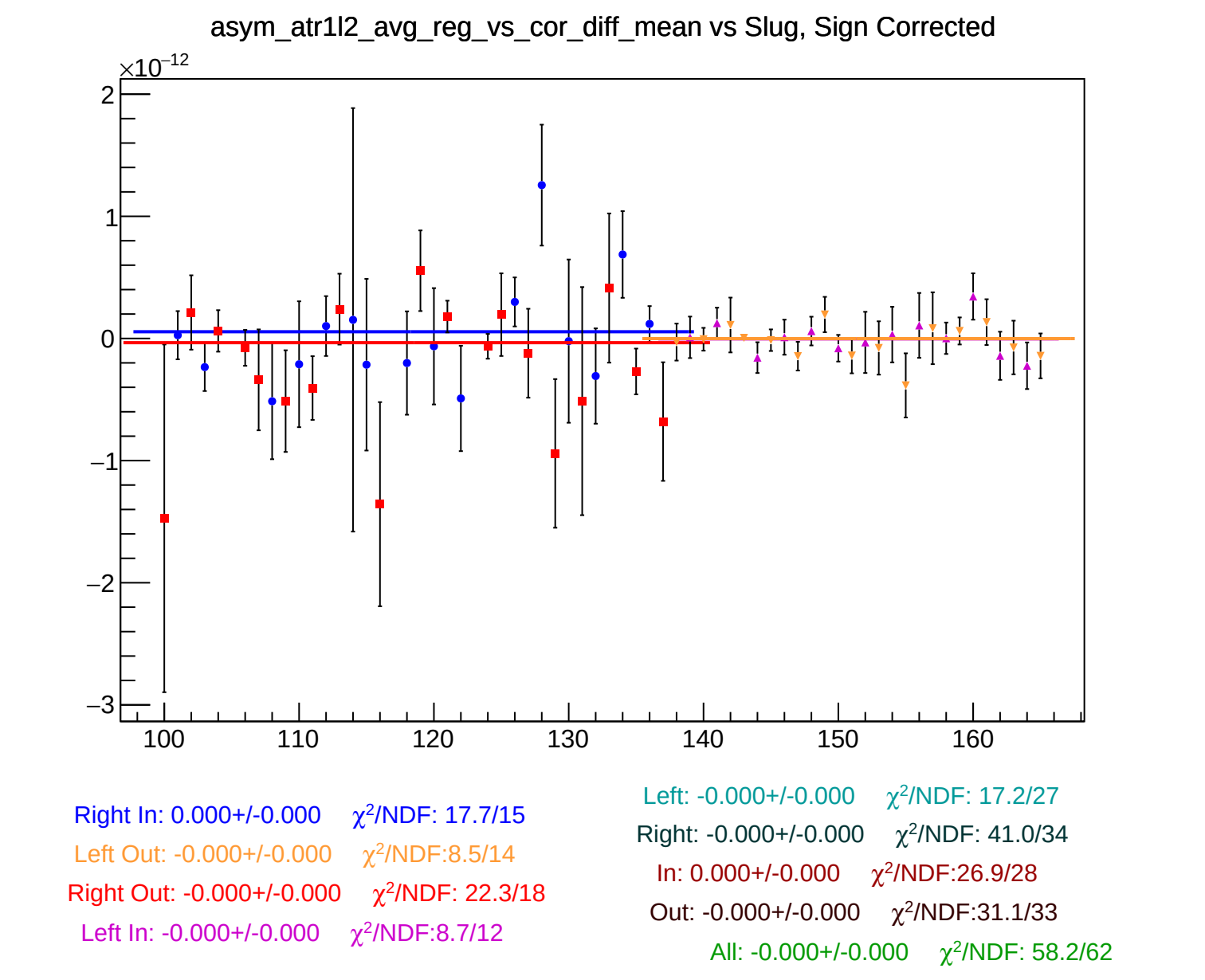
Left: 5180.866+/-0.786 χ^2/NDF: 1768474.9/27

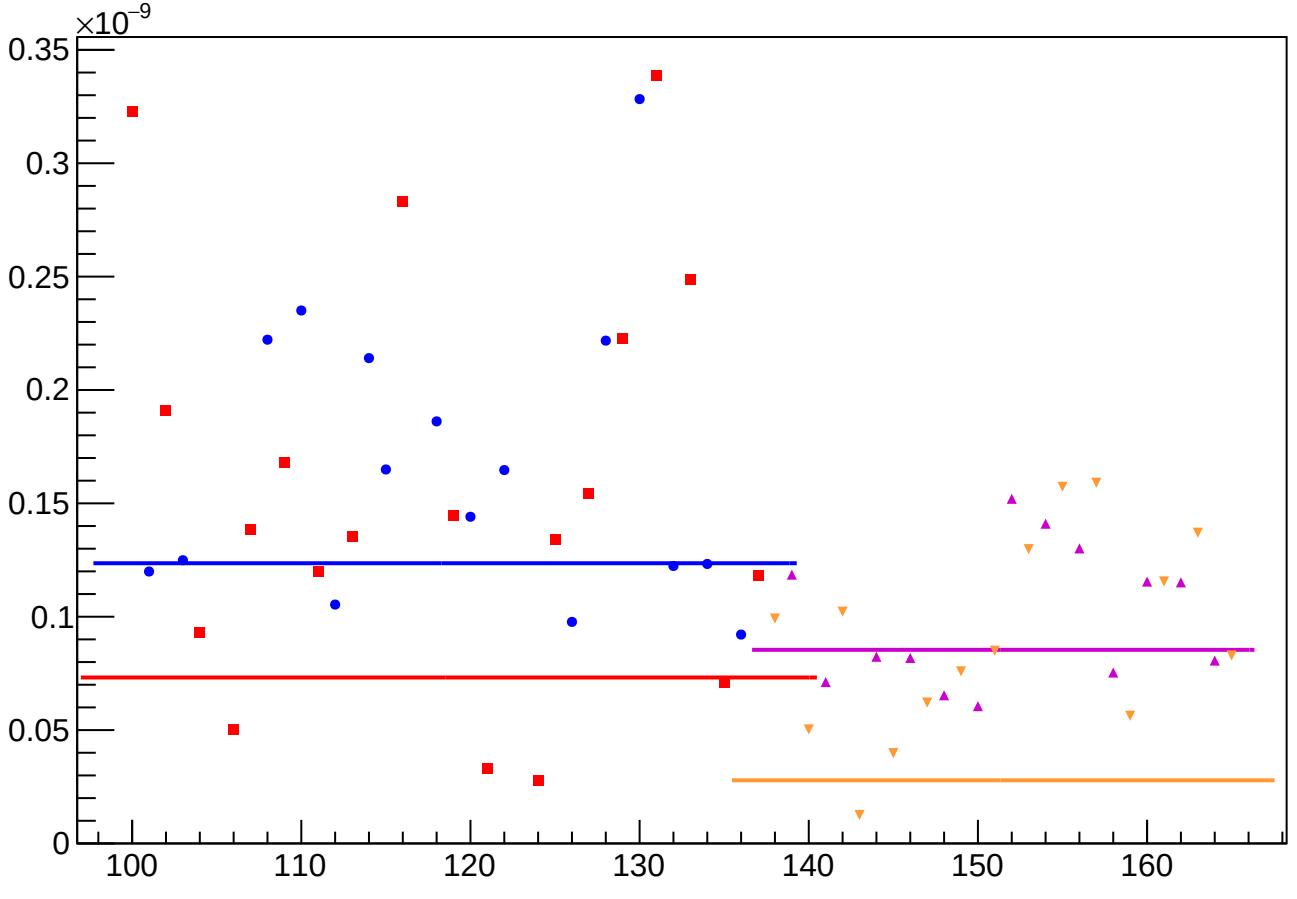
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4333.500+/-0.750 χ^2/NDF:2789452.6/28

Out: 4132.205+/-0.698 χ^2/NDF:3022346.3/33

All: 4225.655+/-0.511 χ^2/NDF: 5850412.3/62


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:8.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:8.7/12
Left: -0.000+/-0.000 χ²/NDF: 17.2/27
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:26.9/28
Out: -0.000+/-0.000 χ²/NDF:31.1/33
All: -0.000+/-0.000 χ²/NDF: 58.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5012255.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:692655.1/12

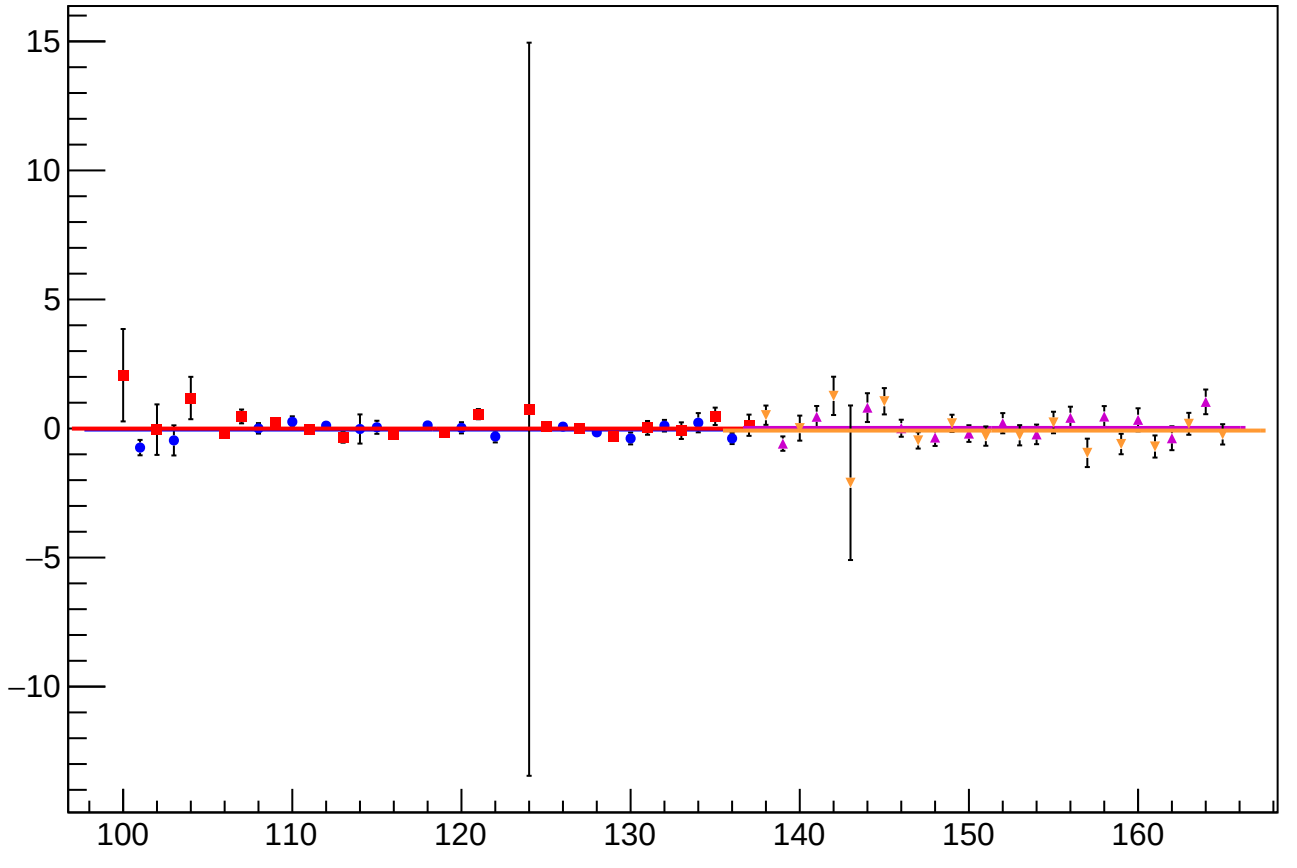
Left: 0.000+/-0.000 χ^2/NDF: 8751987.4/27

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1763027.2/28

Out: 0.000+/-0.000 χ^2/NDF:8483218.1/33

All: 0.000+/-0.000 χ^2/NDF: 14807721.6/62



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

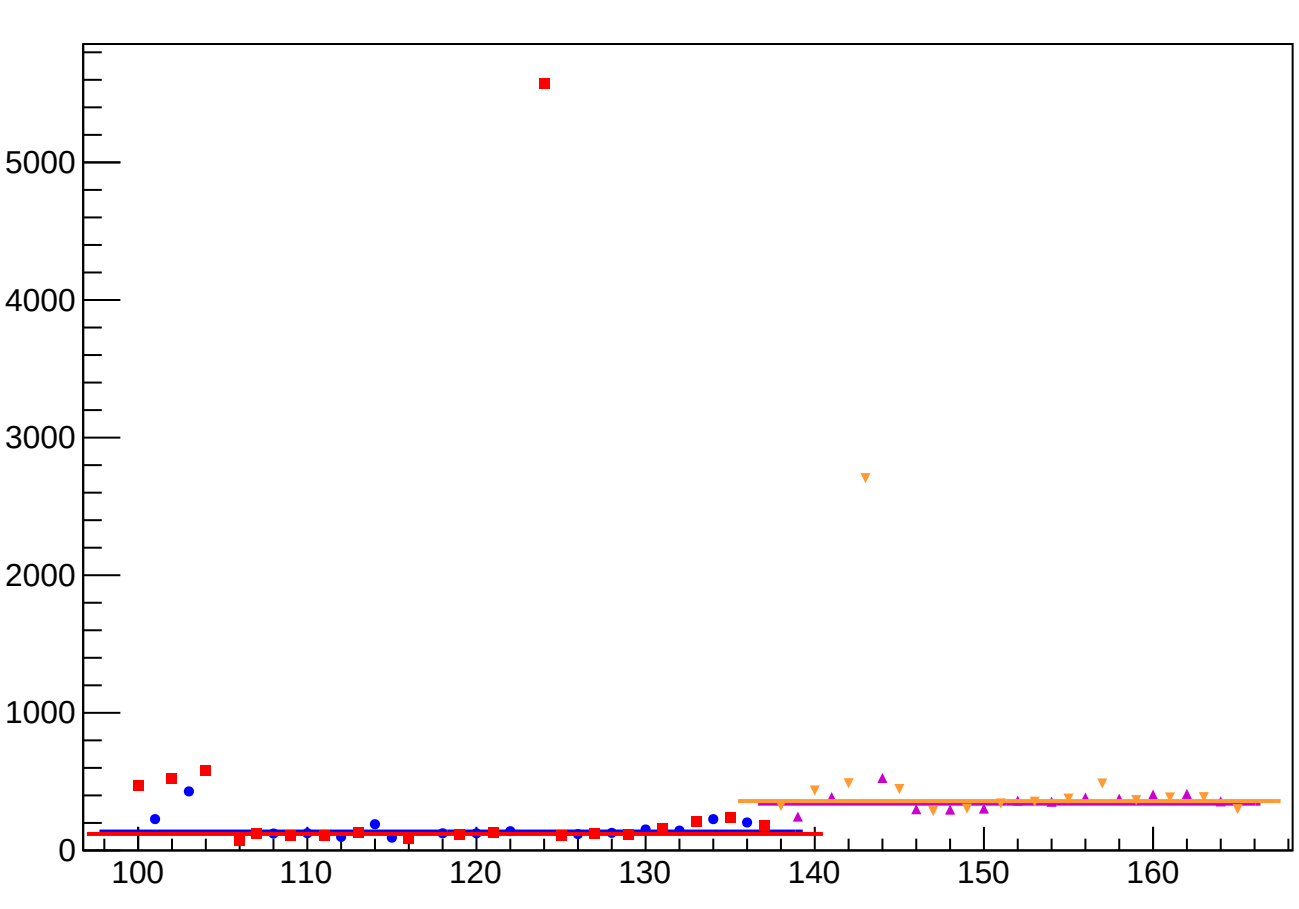
Left: -0.026+/-0.076 χ^2/NDF: 39.7/27

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.021+/-0.034 χ^2/NDF: 86.6/62



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 358.823+/-0.078 χ^2/NDF:1755591.9/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

Left: 349.059+/-0.054 χ^2/NDF: 2492924.0/27

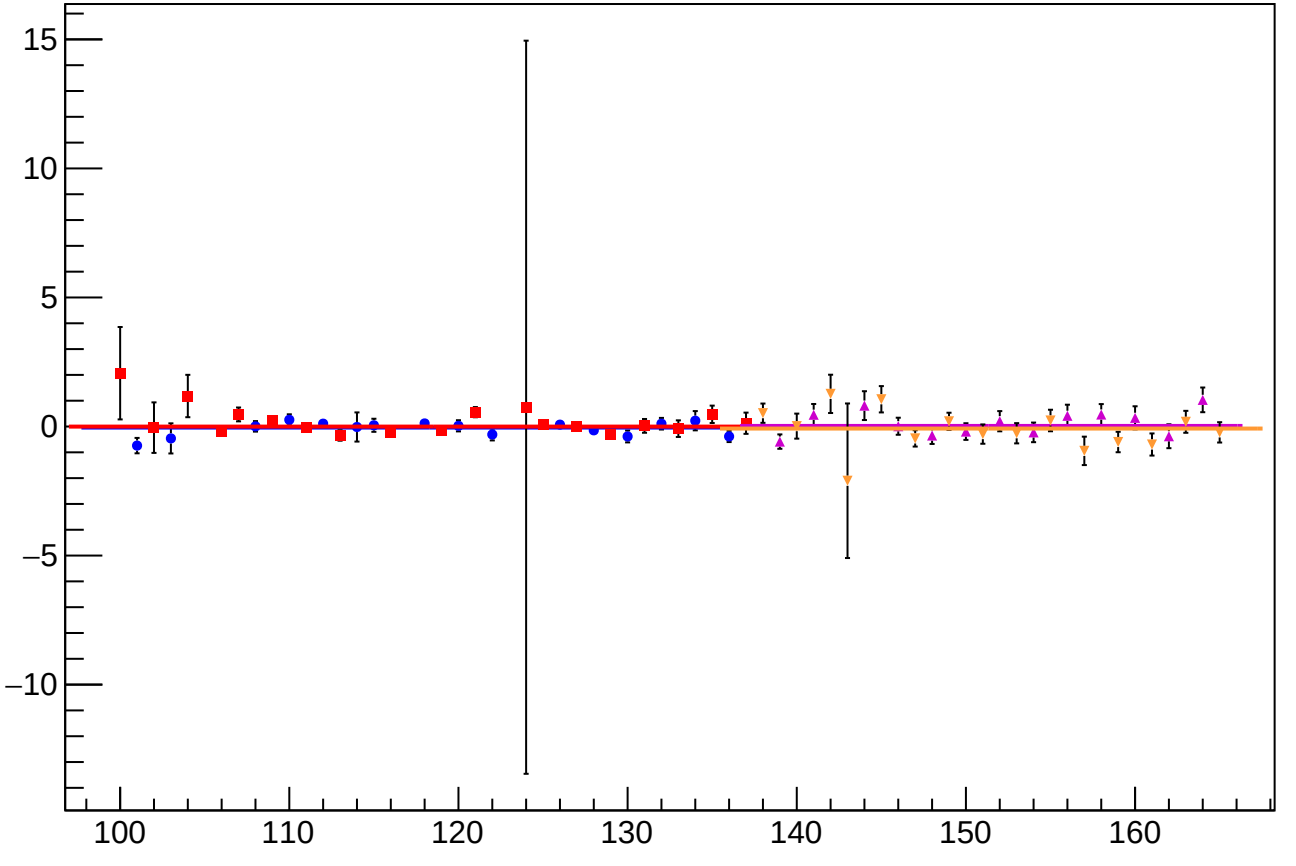
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 181.393+/-0.035 χ^2/NDF:7695921.0/28

Out: 162.180+/-0.033 χ^2/NDF:11662595.0/33

All: 171.149+/-0.024 χ^2/NDF: 19519903.3/62

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: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

Left: -0.026+/-0.076 χ^2/NDF: 39.7/27

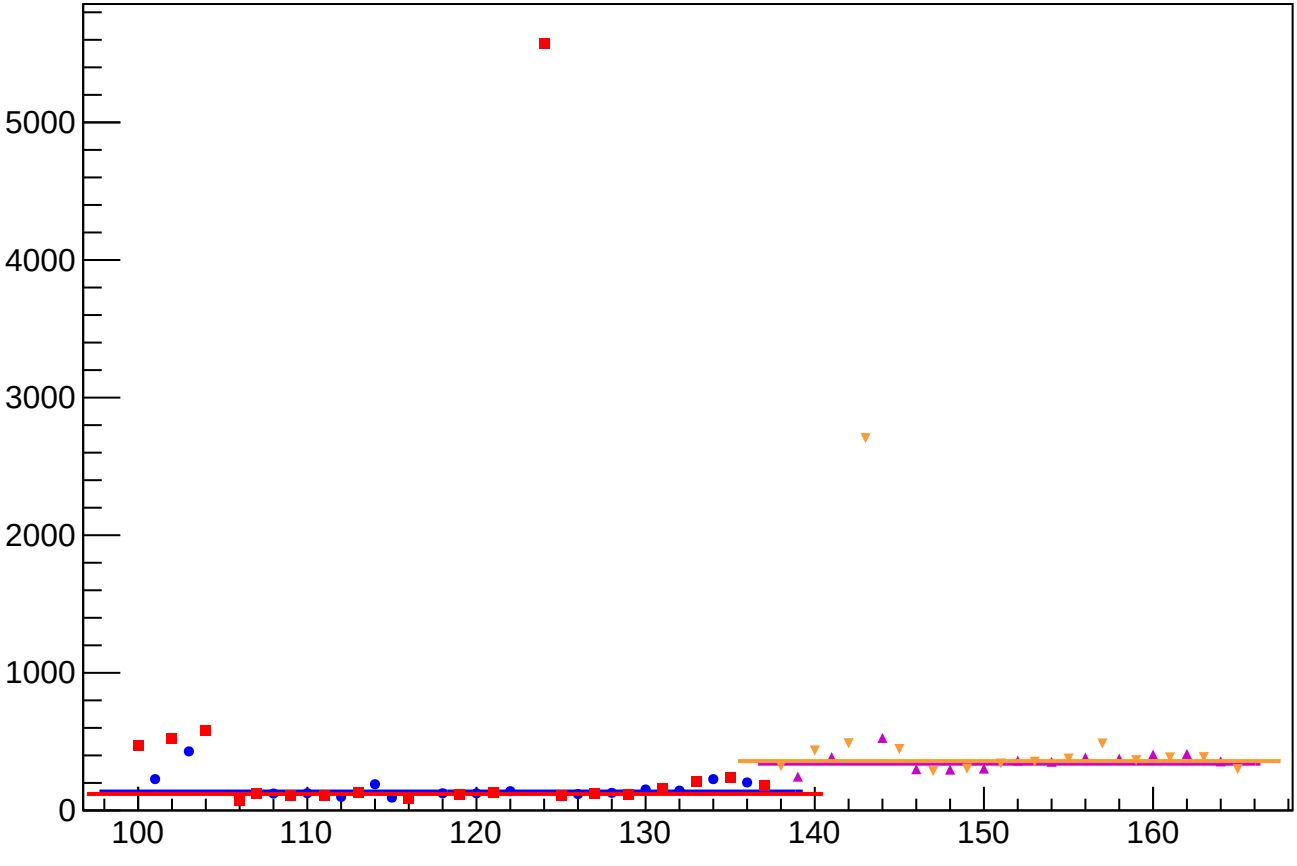
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.021+/-0.034 χ^2/NDF: 86.6/62

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: 358.823+/-0.078 χ^2/NDF:1755591.9/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

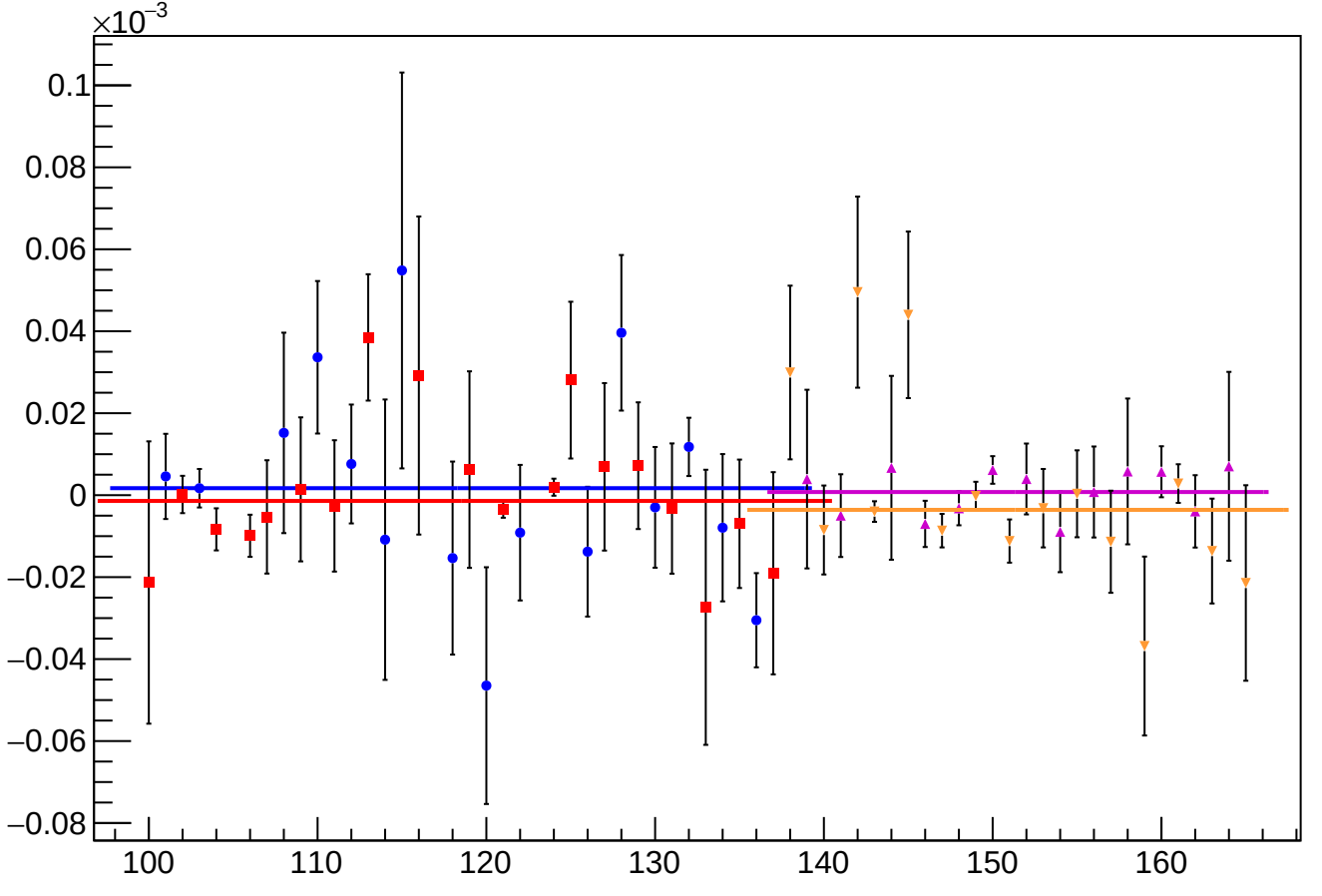
Left: 349.059+/-0.054 χ^2/NDF: 2492924.0/27

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 181.393+/-0.035 χ^2/NDF:7695921.0/28

Out: 162.180+/-0.033 χ^2/NDF:11662595.0/33

All: 171.149+/-0.024 χ^2/NDF: 19519903.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

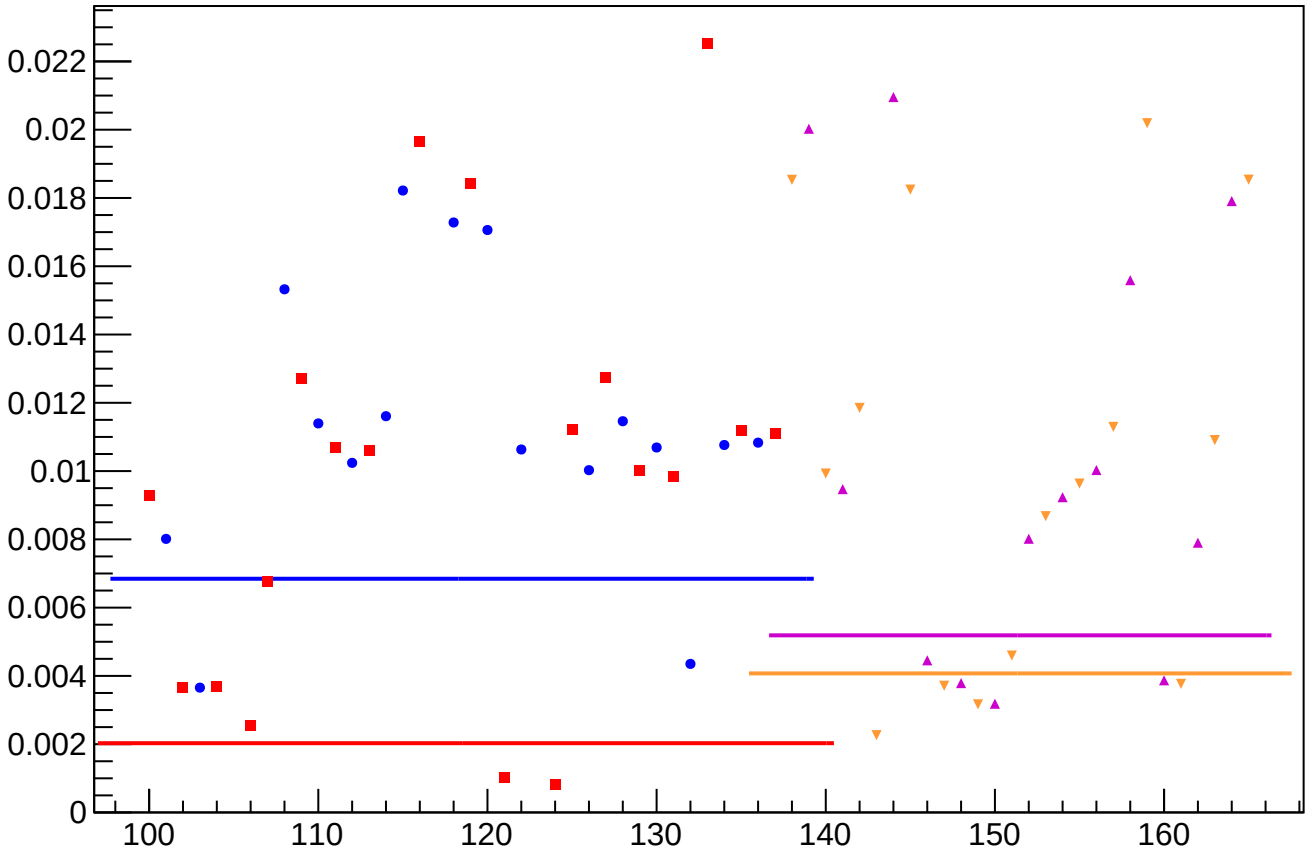
Left: -0.000+/-0.000 χ^2/NDF: 35.0/27

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.8/28

Out: -0.000+/-0.000 χ^2/NDF:45.3/33

All: -0.000+/-0.000 χ^2/NDF: 80.3/62



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:8003070.9/14

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5749415.8/12

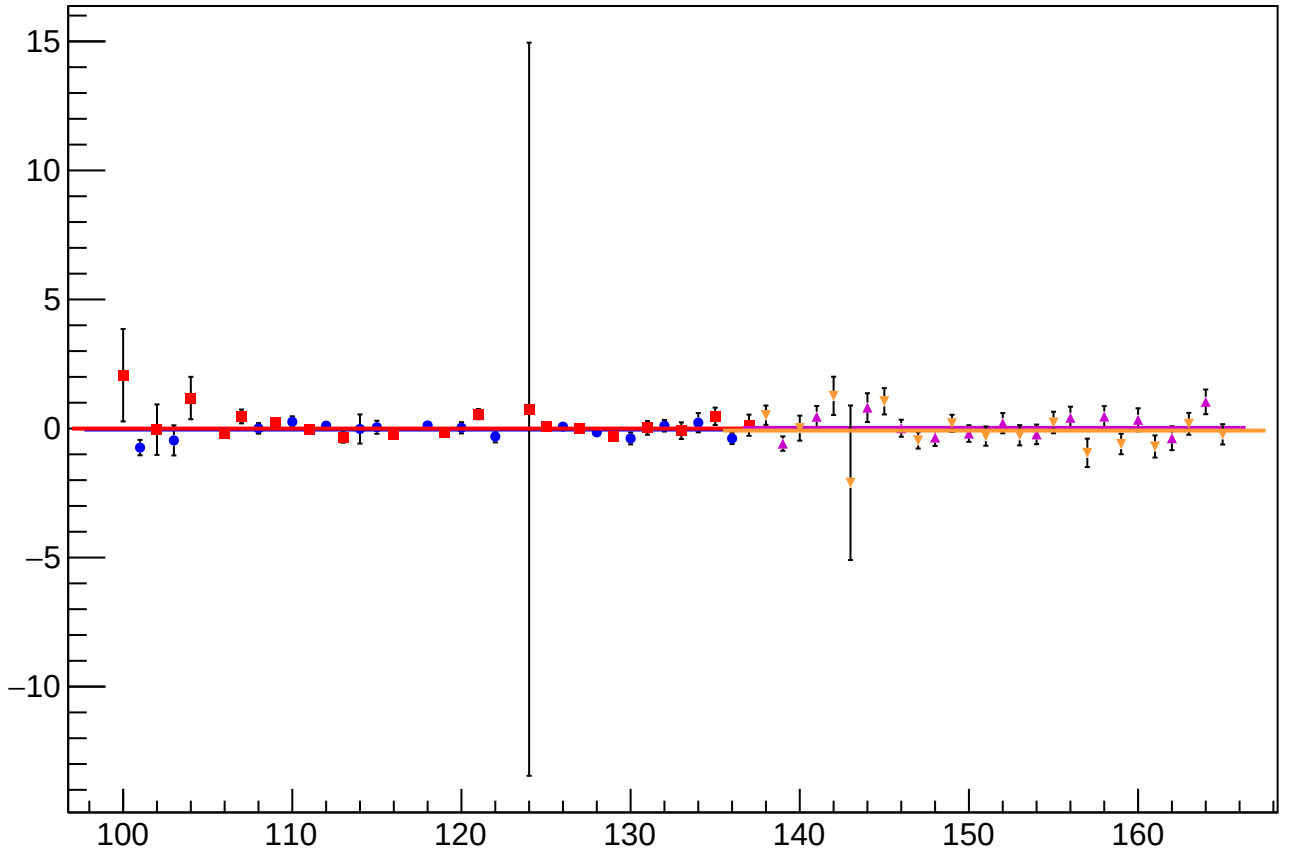
Left: 0.004+/-0.000 χ^2/NDF: 14163073.6/27

Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:9417529.9/28

Out: 0.003+/-0.000 χ^2/NDF:19162217.4/33

All: 0.004+/-0.000 χ^2/NDF: 33053572.1/62



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

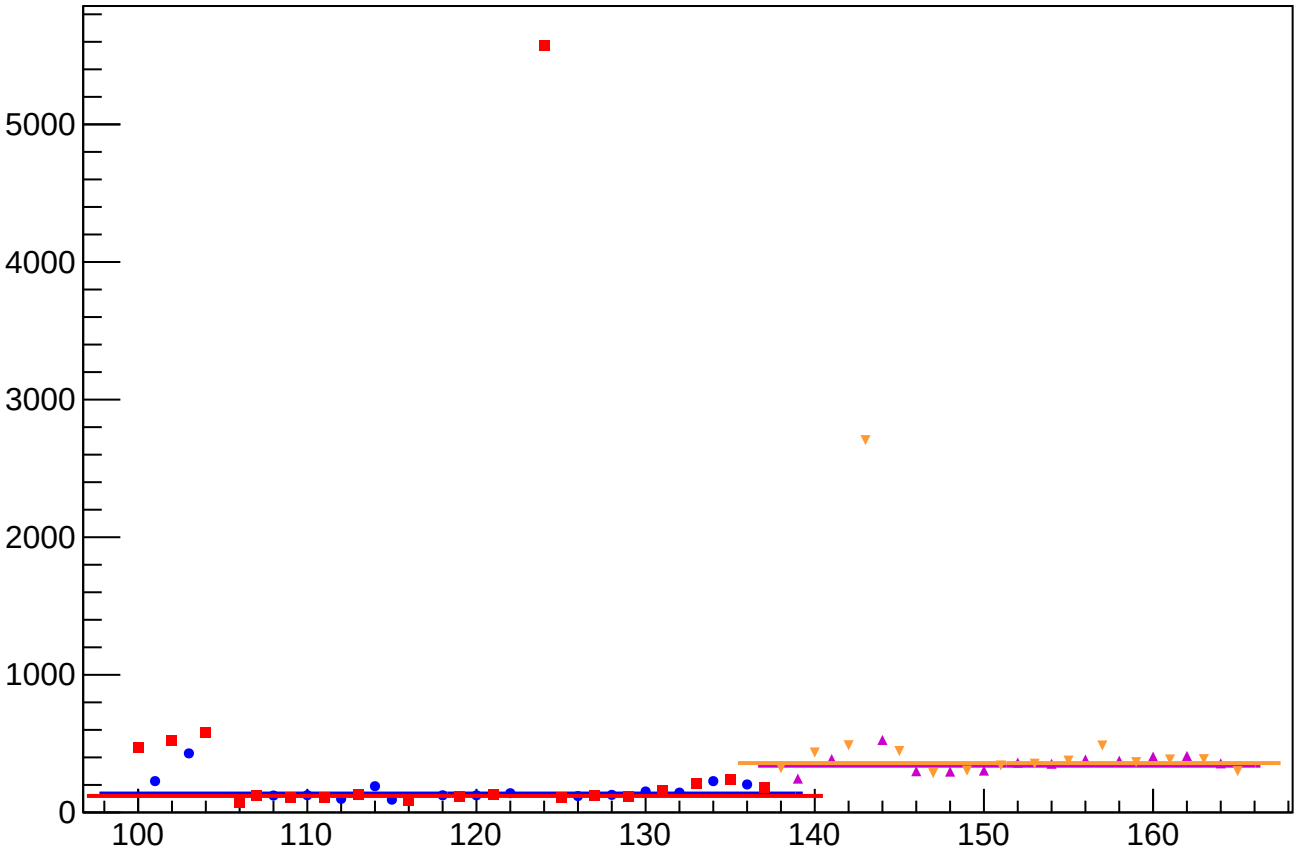
Left: -0.026+/-0.076 χ^2/NDF: 39.7/27

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.021+/-0.034 χ^2/NDF: 86.6/62



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 358.827+/-0.078 χ^2/NDF:1755618.8/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

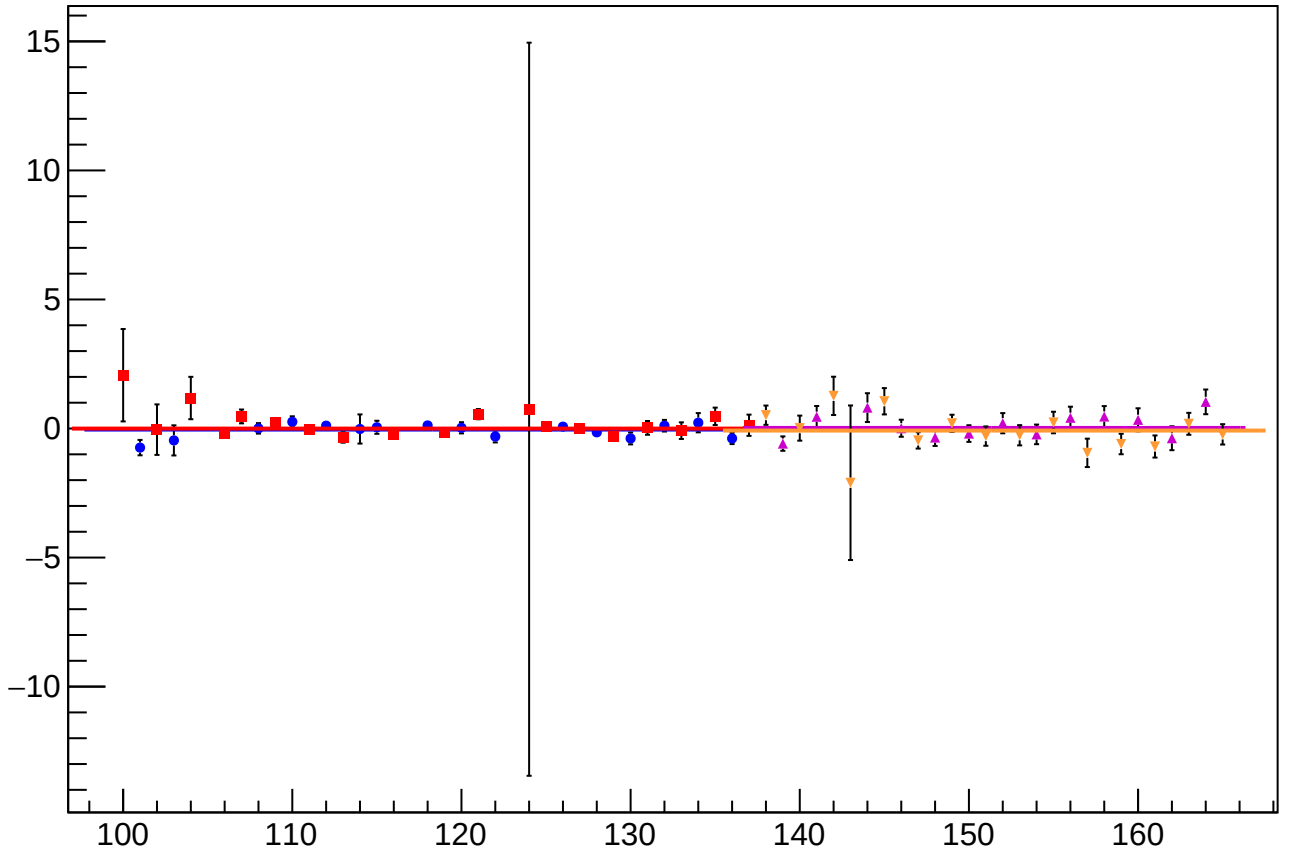
Left: 349.064+/-0.054 χ^2/NDF: 2492944.0/27

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 181.395+/-0.035 χ^2/NDF:7695945.1/28

Out: 162.180+/-0.033 χ^2/NDF:11662681.2/33

All: 171.149+/-0.024 χ^2/NDF: 19520034.8/62



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

Left: -0.026+/-0.076 χ^2/NDF: 39.7/27

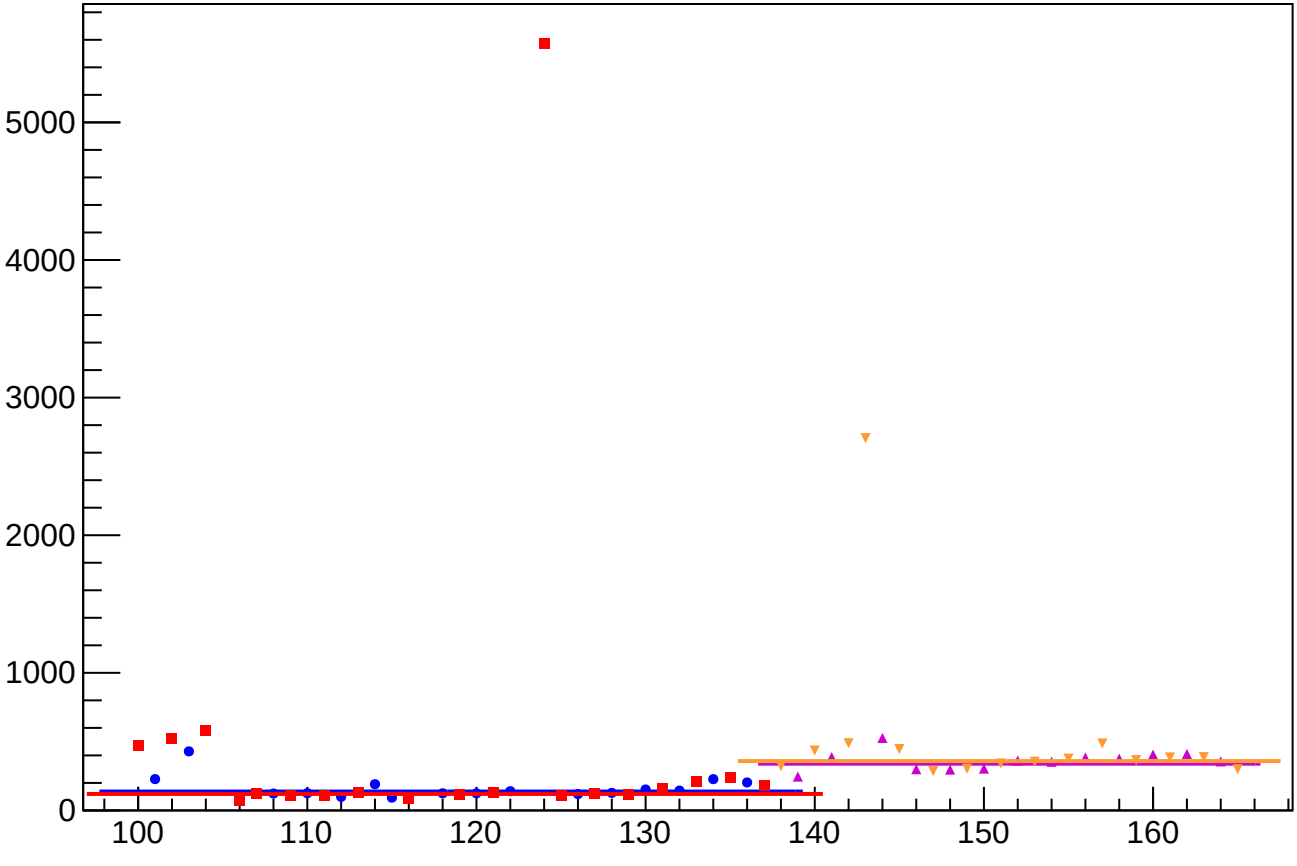
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.021+/-0.034 χ^2/NDF: 86.6/62

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: 358.827+/-0.078 χ^2/NDF:1755618.8/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

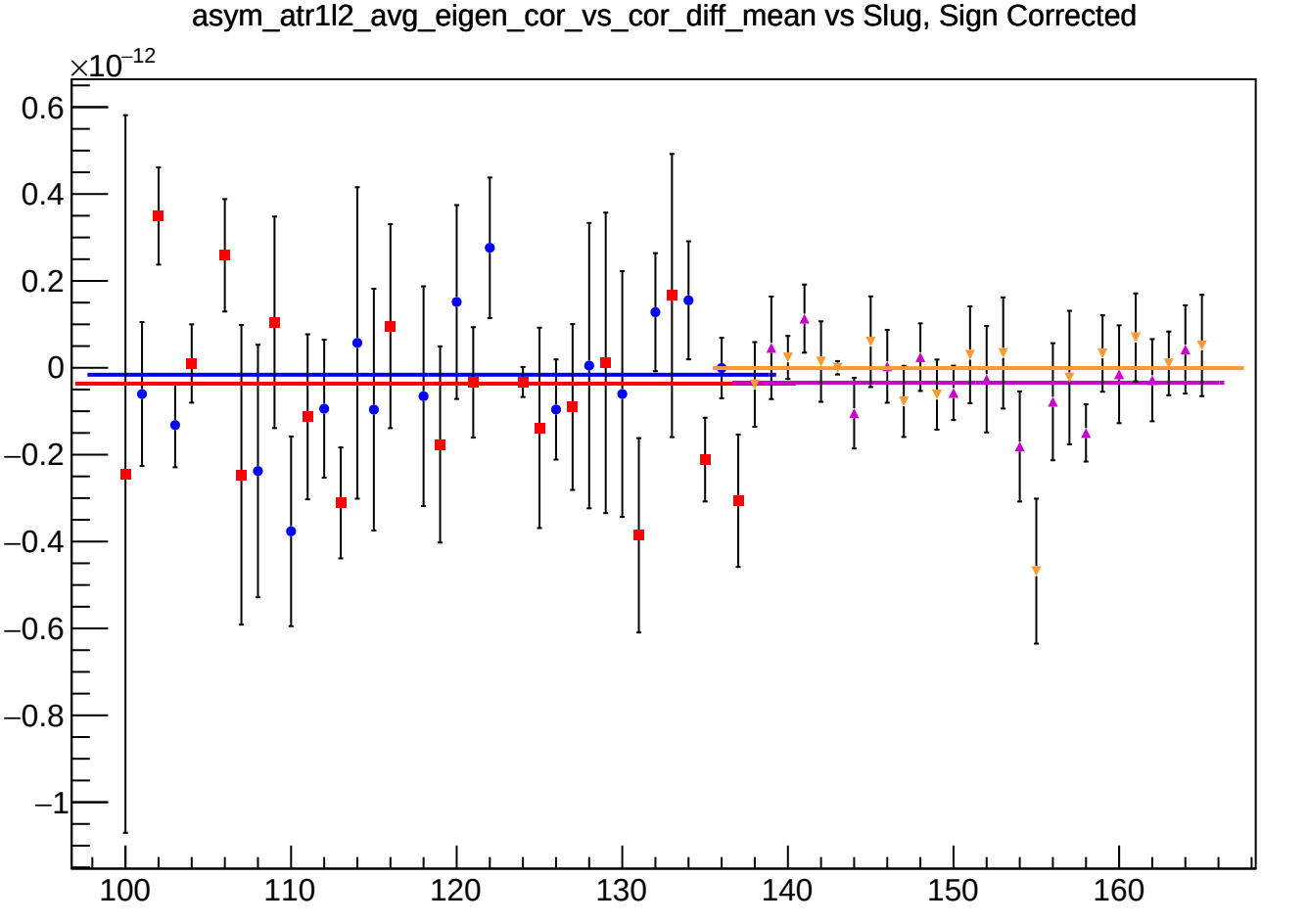
Left: 349.064+/-0.054 χ^2/NDF: 2492944.0/27

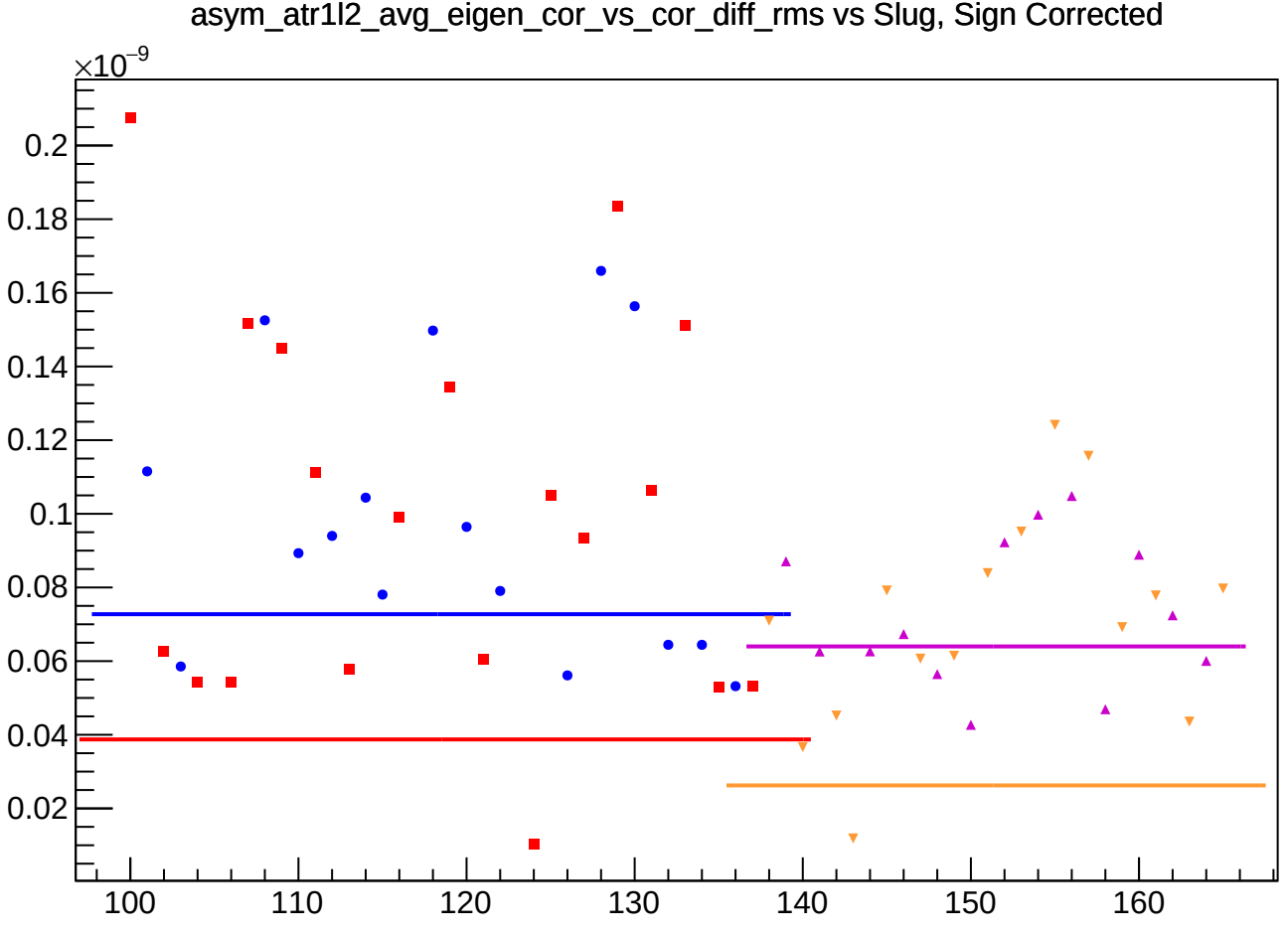
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 181.395+/-0.035 χ^2/NDF:7695945.1/28

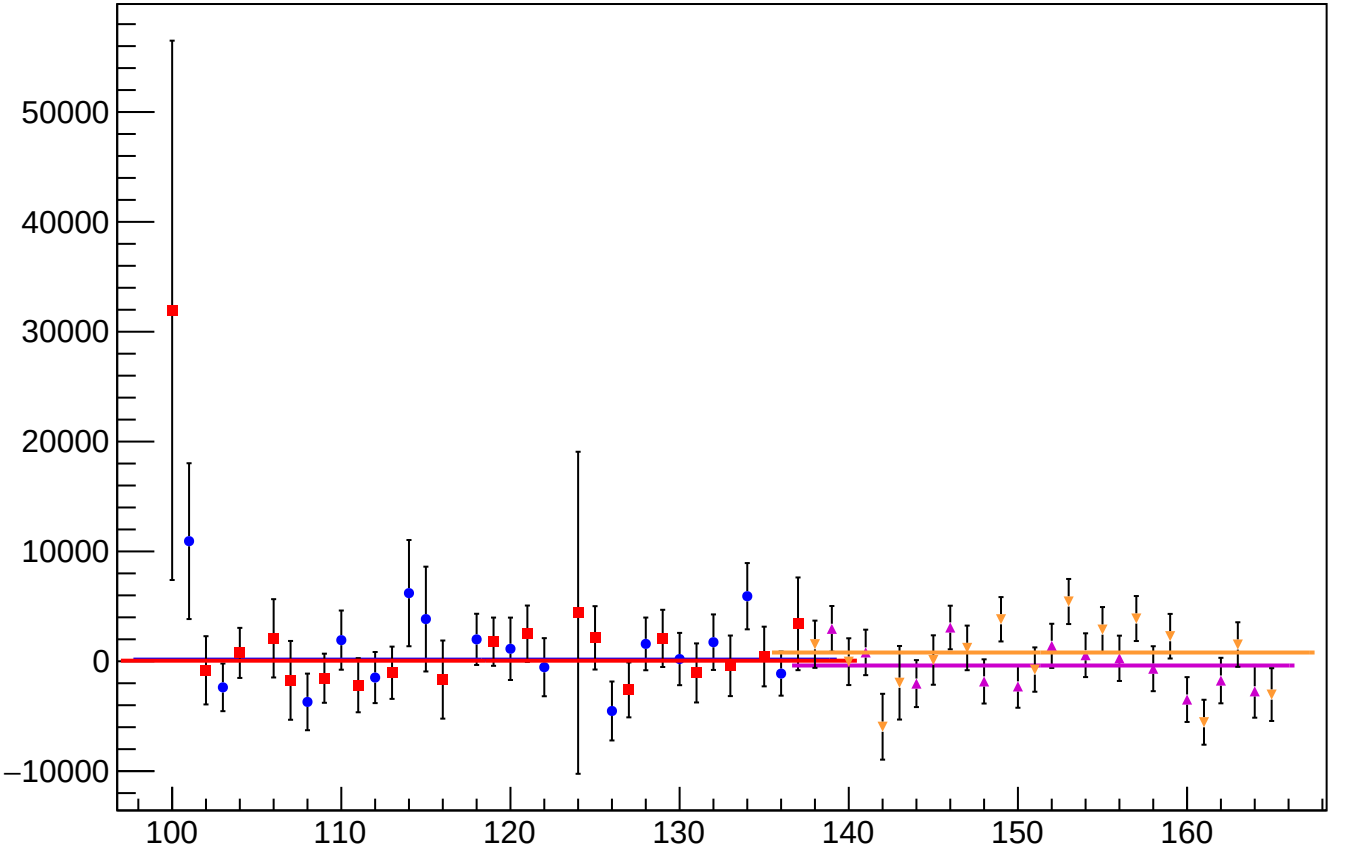
Out: 162.180+/-0.033 χ^2/NDF:11662681.2/33

All: 171.149+/-0.024 χ^2/NDF: 19520034.8/62


asym_atr1l2_avg_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
−1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:11.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.8/12
Left: -0.000+/-0.000 χ²/NDF: 23.3/27
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:23.3/28
Out: -0.000+/-0.000 χ²/NDF:45.8/33
All: -0.000+/-0.000 χ²/NDF: 69.8/62


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:7591009.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:1032338.4/12
Left: 0.000+/-0.000 χ²/NDF: 12300618.1/27
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:2237362.3/28
Out: 0.000+/-0.000 χ²/NDF:12239936.0/33
All: 0.000+/-0.000 χ²/NDF: 19626427.4/62

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 797.280+/-560.815 χ^2/NDF:30.3/14

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -385.256+/-570.707 χ^2/NDF:12.9/12

Left: 216.349+/-400.008 χ^2/NDF: 45.3/27

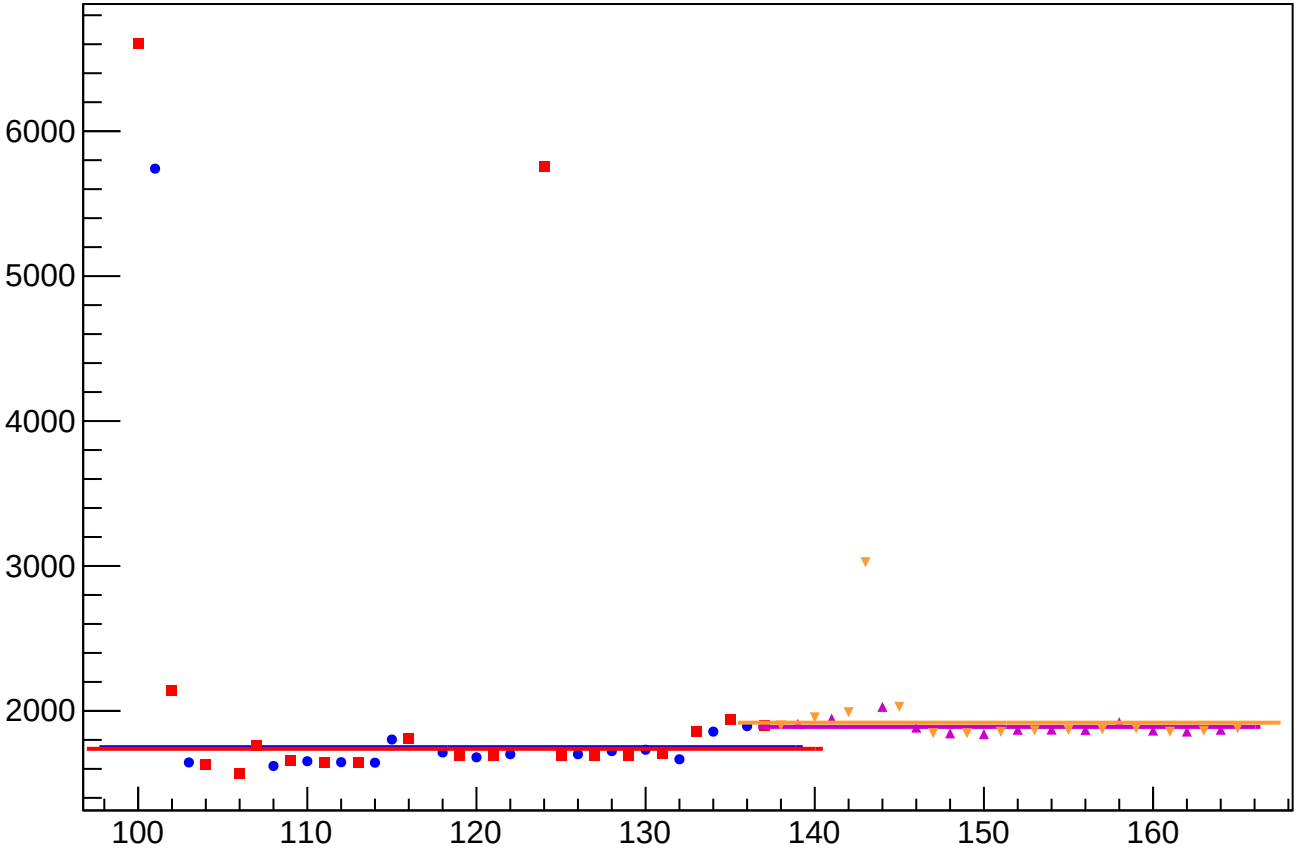
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -158.726+/-433.644 χ^2/NDF:30.9/28

Out: 483.068+/-426.073 χ^2/NDF:40.0/33

All: 167.823+/-303.921 χ^2/NDF: 72.0/62

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

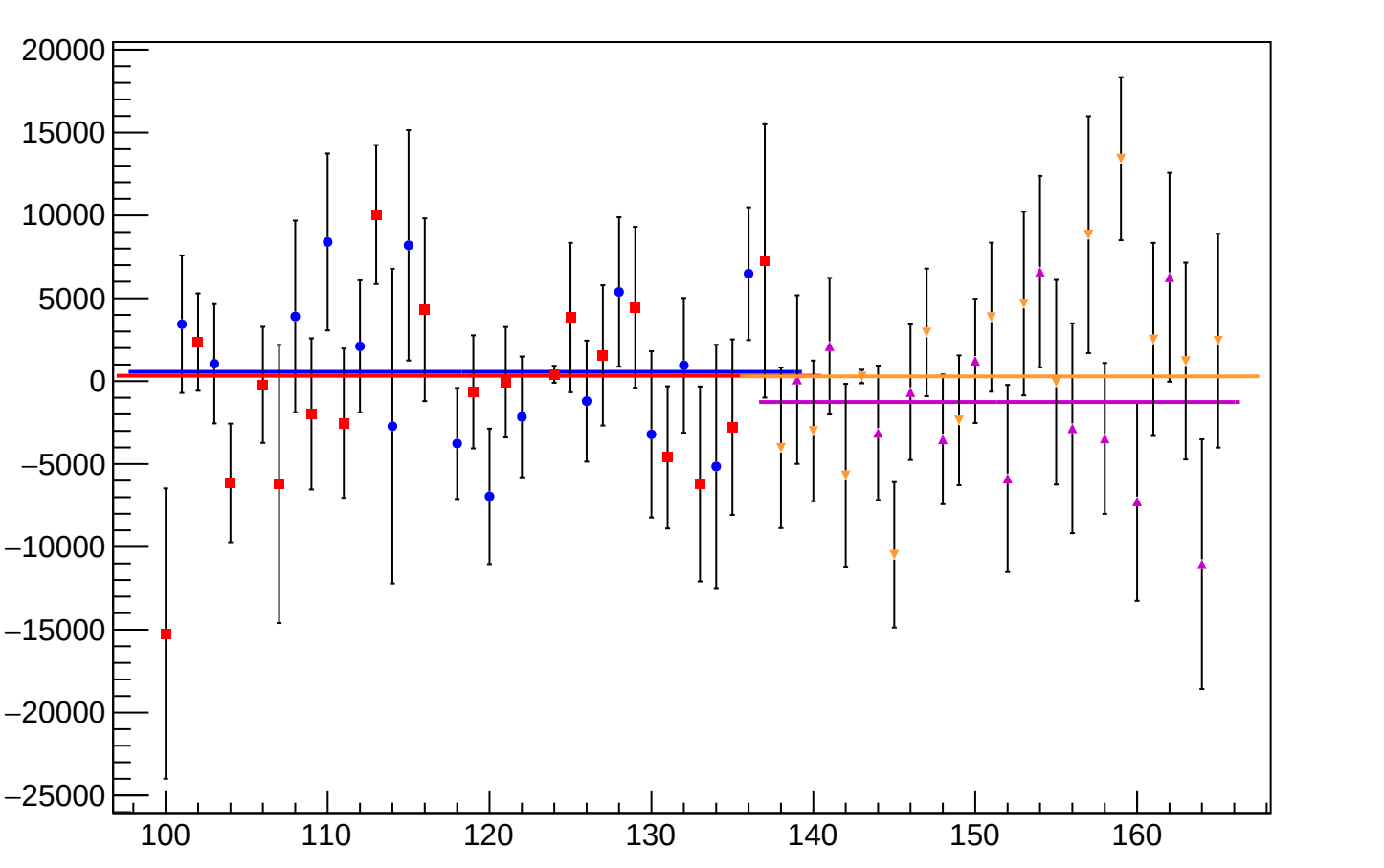
Left: 1904.575+/-0.283 χ^2/NDF: 257563.6/27

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1830.572+/-0.307 χ^2/NDF:734706.3/28

Out: 1842.024+/-0.300 χ^2/NDF:633284.0/33

All: 1836.417+/-0.215 χ^2/NDF: 1368702.3/62



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 289.192+/-390.973 χ^2/NDF:19.6/14

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1259.177+/-1336.897 χ^2/NDF:8.7/12

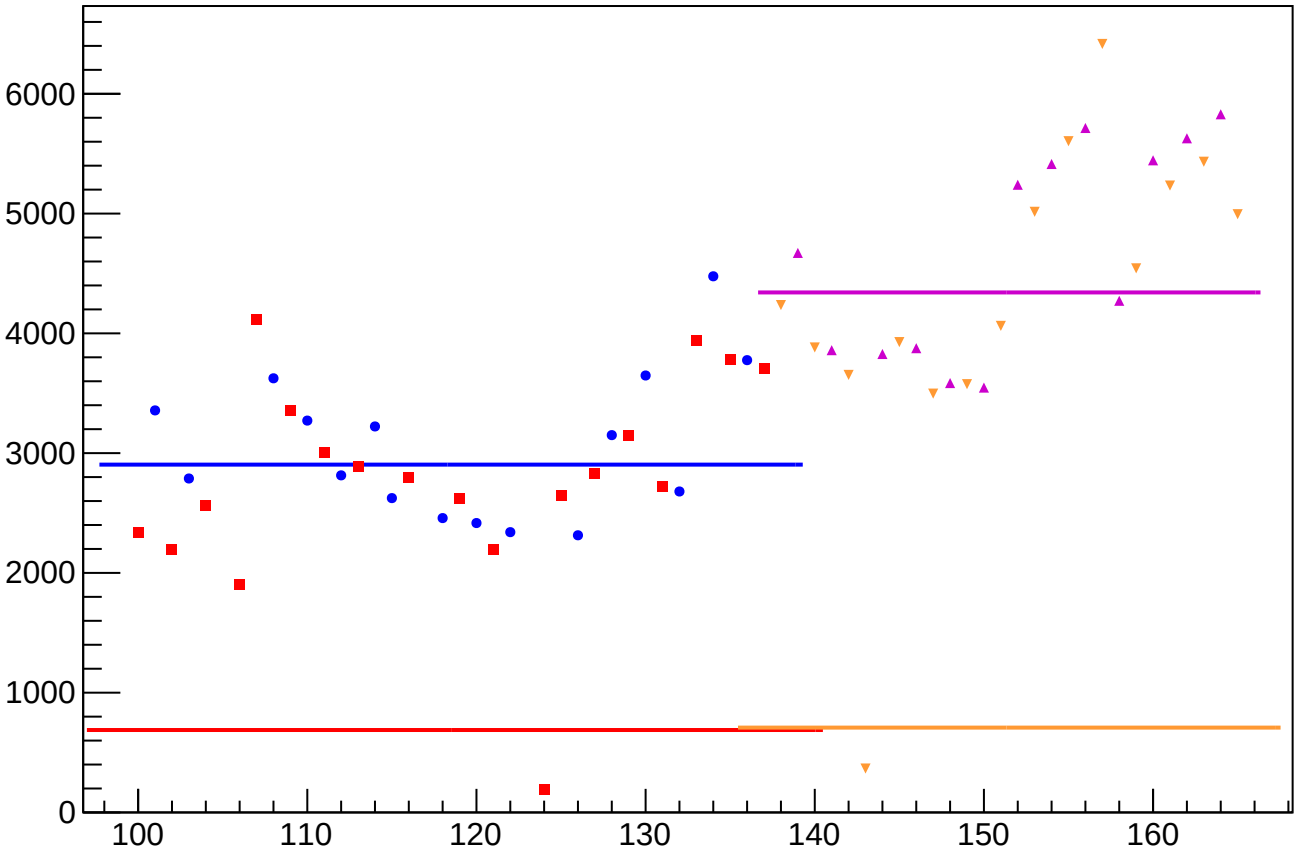
Left: 167.200+/-375.255 χ^2/NDF: 29.5/27

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -173.929+/-849.962 χ^2/NDF:24.6/28

Out: 304.527+/-297.347 χ^2/NDF:38.8/33

All: 252.356+/-280.668 χ^2/NDF: 63.7/62



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 708.380+/-0.276 χ^2/NDF:16769987.8/14

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4341.621+/-0.945 χ^2/NDF:701427.0/12

Left: 994.635+/-0.265 χ^2/NDF: 31079033.1/27

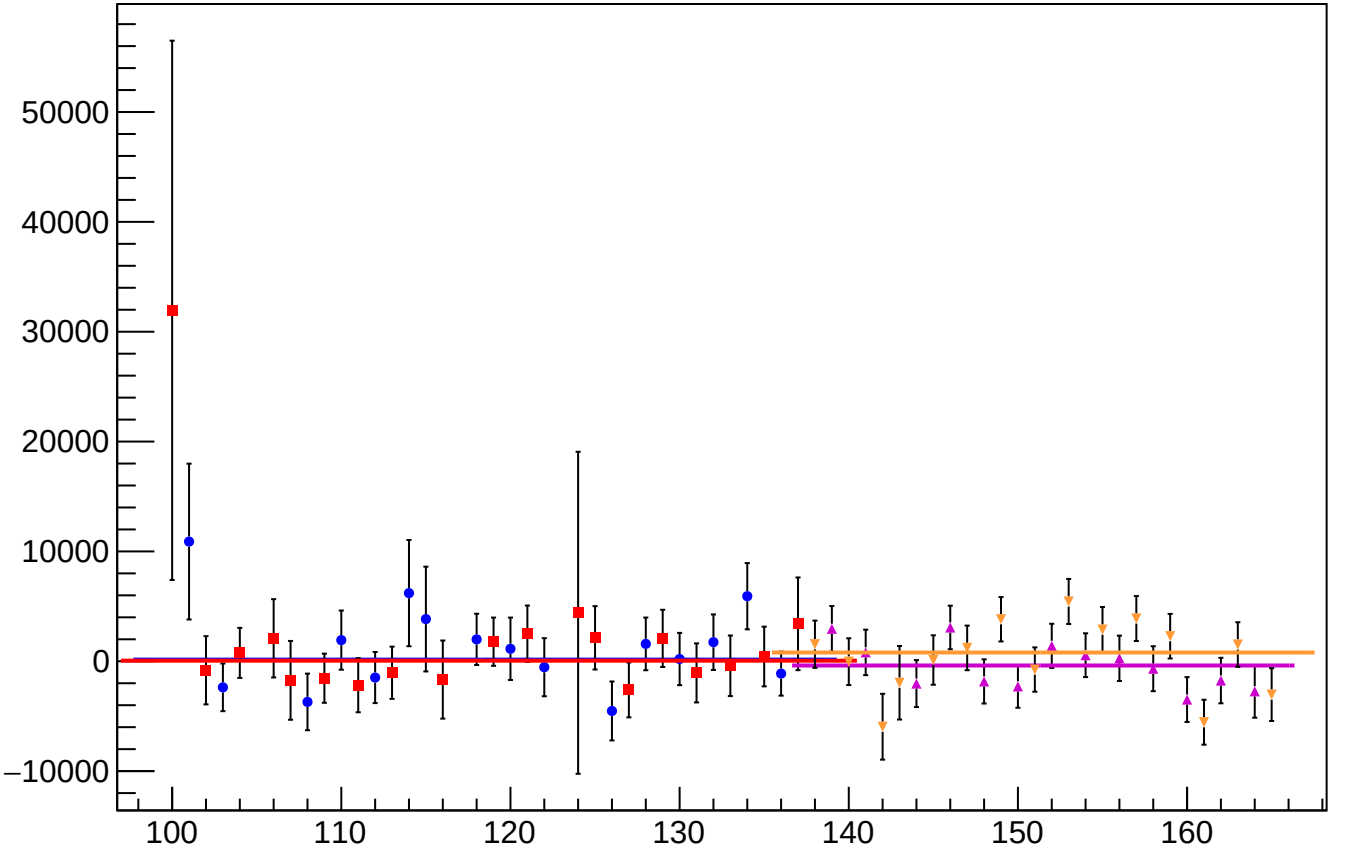
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3485.131+/-0.601 χ^2/NDF:2558991.0/28

Out: 699.923+/-0.210 χ^2/NDF:26921121.8/33

All: 1003.622+/-0.198 χ^2/NDF: 48614057.0/6

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 797.223+/-560.815 χ^2/NDF:30.3/14

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -385.299+/-570.707 χ^2/NDF:12.9/12

Left: 216.299+/-400.008 χ^2/NDF: 45.3/27

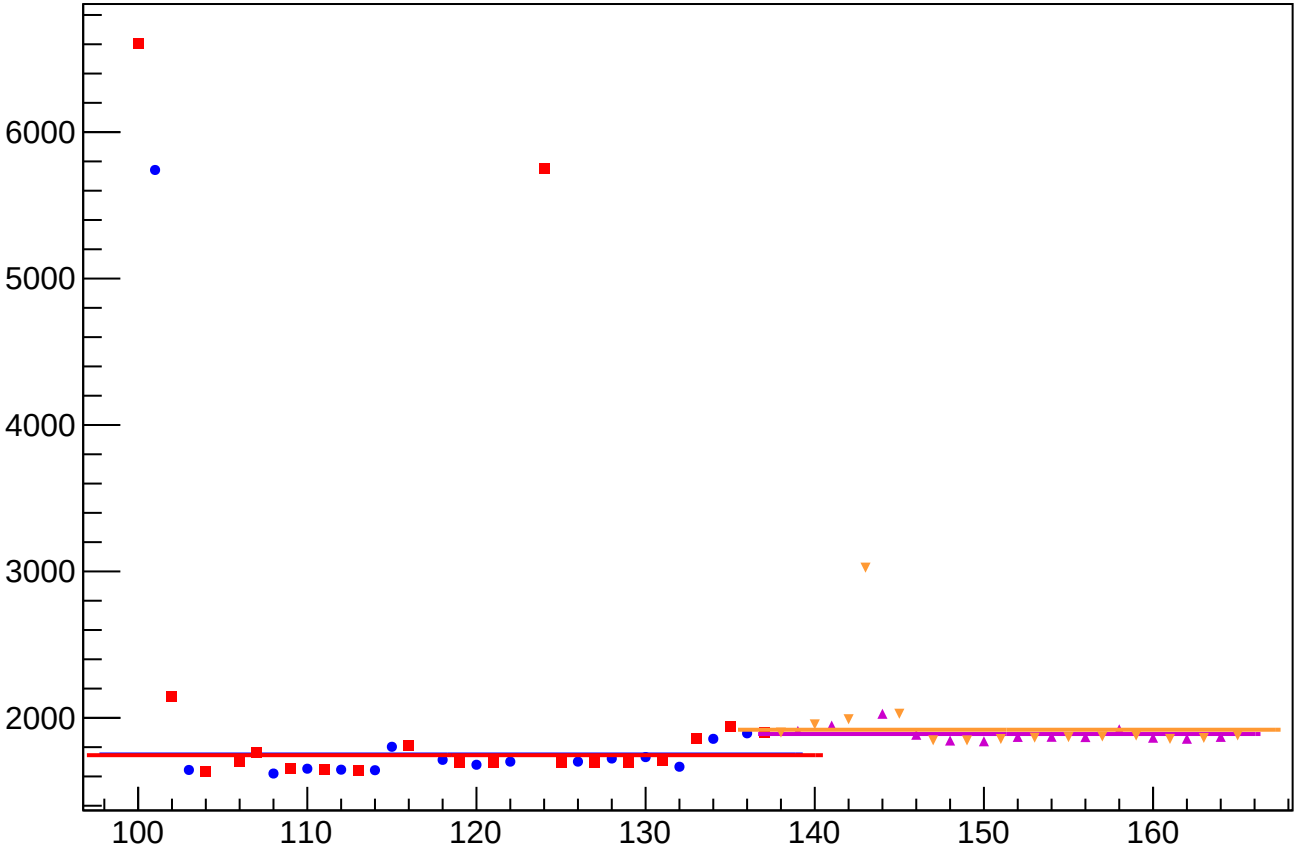
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -158.949+/-433.645 χ^2/NDF:30.9/28

Out: 483.057+/-426.073 χ^2/NDF:40.0/33

All: 167.708+/-303.921 χ^2/NDF: 72.0/62

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

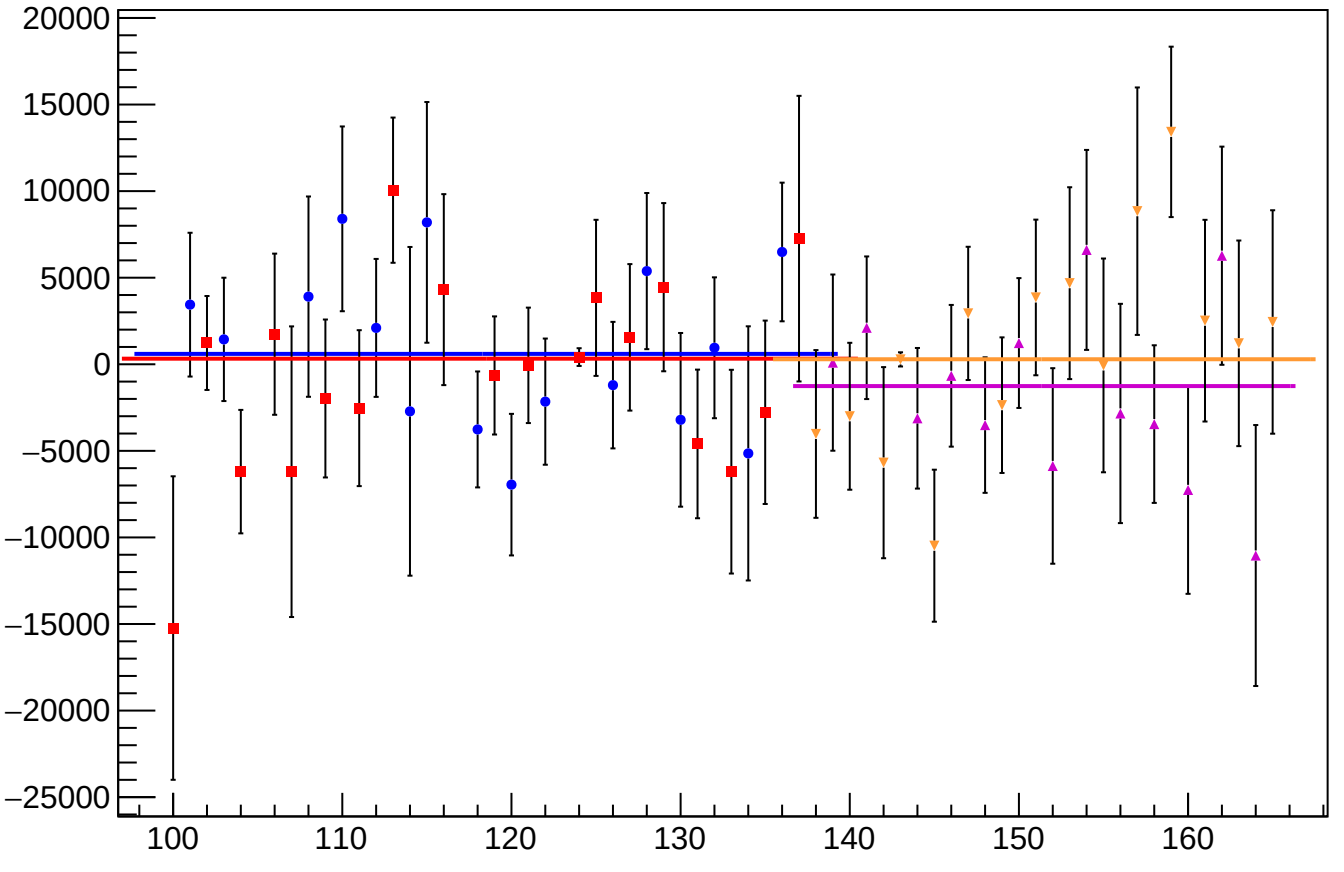
Left: 1904.575+/-0.283 χ^2/NDF: 257563.6/27

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.572+/-0.307 χ^2/NDF:734706.8/28

Out: 1845.186+/-0.301 χ^2/NDF:619998.7/33

All: 1838.019+/-0.215 χ^2/NDF: 1355863.0/62



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 290.153+/-391.005 χ^2/NDF:19.6/14

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1259.266+/-1336.895 χ^2/NDF:8.7/12

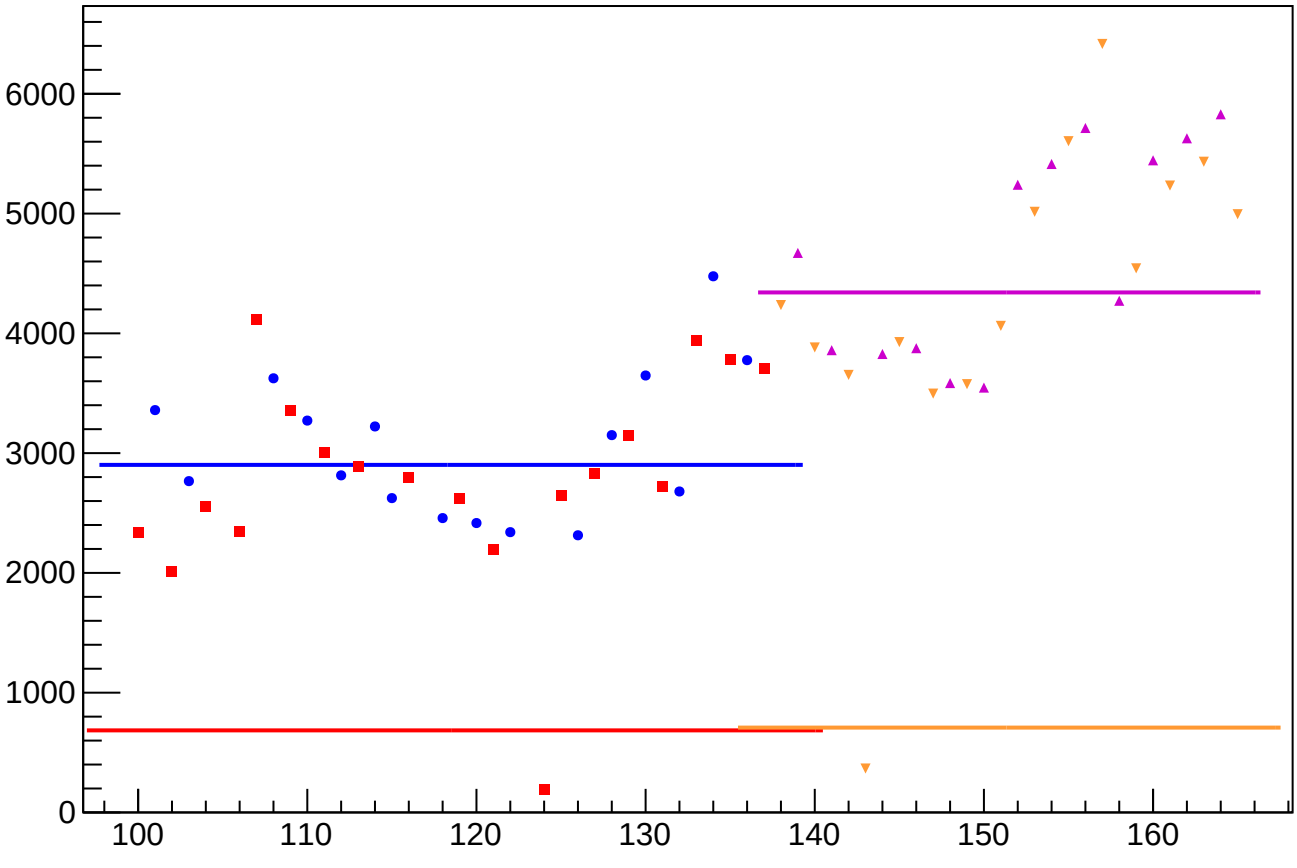
Left: 168.060+/-375.283 χ^2/NDF: 29.5/27

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -150.564+/-849.484 χ^2/NDF:24.7/28

Out: 304.039+/-297.611 χ^2/NDF:38.6/33

All: 254.341+/-280.872 χ^2/NDF: 63.6/62



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 708.473+/-0.276 χ^2/NDF:16769401.2/14

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

Left: 994.763+/-0.265 χ^2/NDF: 31077567.9/27

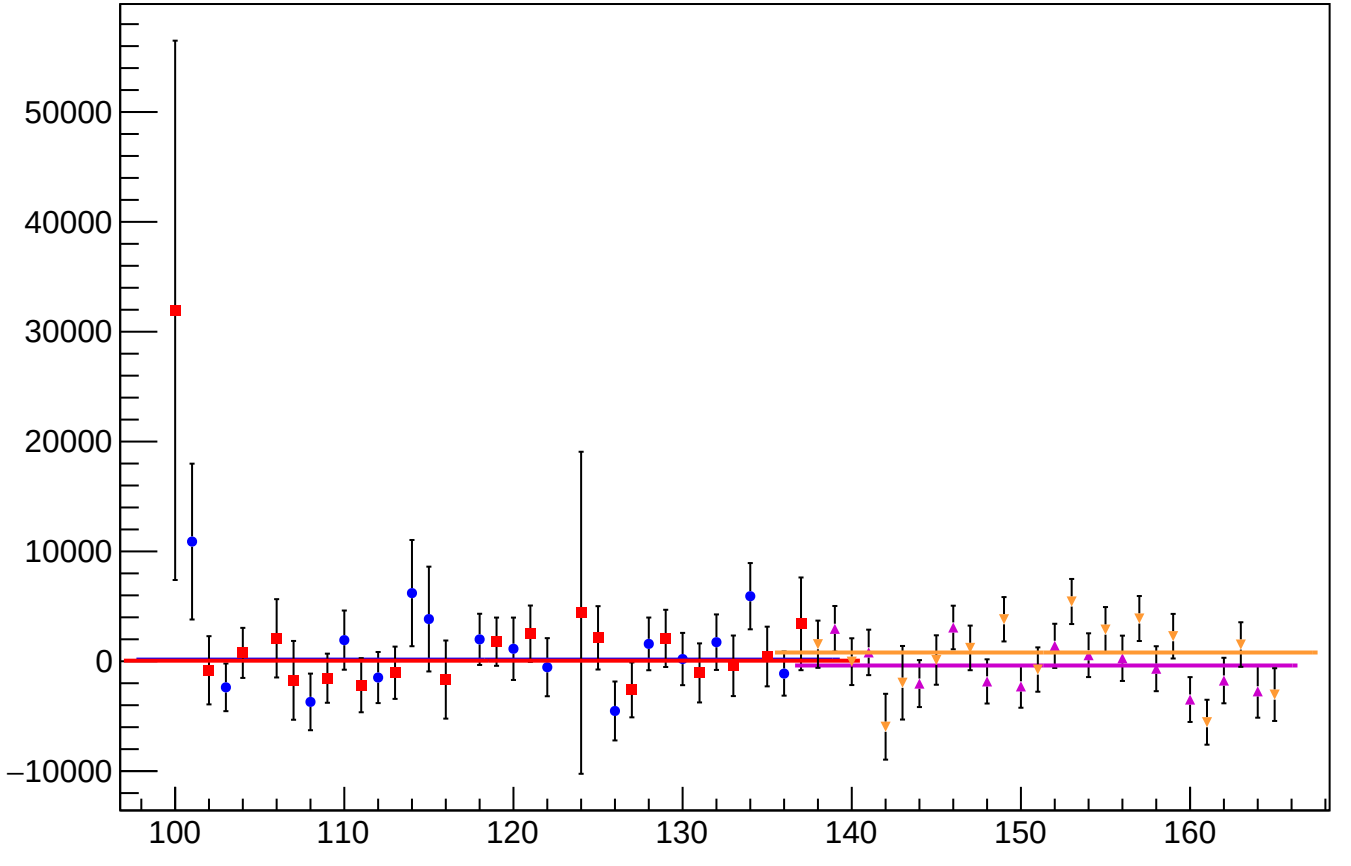
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3483.165+/-0.601 χ^2/NDF:2565420.2/28

Out: 698.707+/-0.210 χ^2/NDF:26878164.8/33

All: 1003.109+/-0.199 χ^2/NDF: 48582694.2/6

eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 797.223+/-560.815 χ^2/NDF:30.3/14

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -385.299+/-570.707 χ^2/NDF:12.9/12

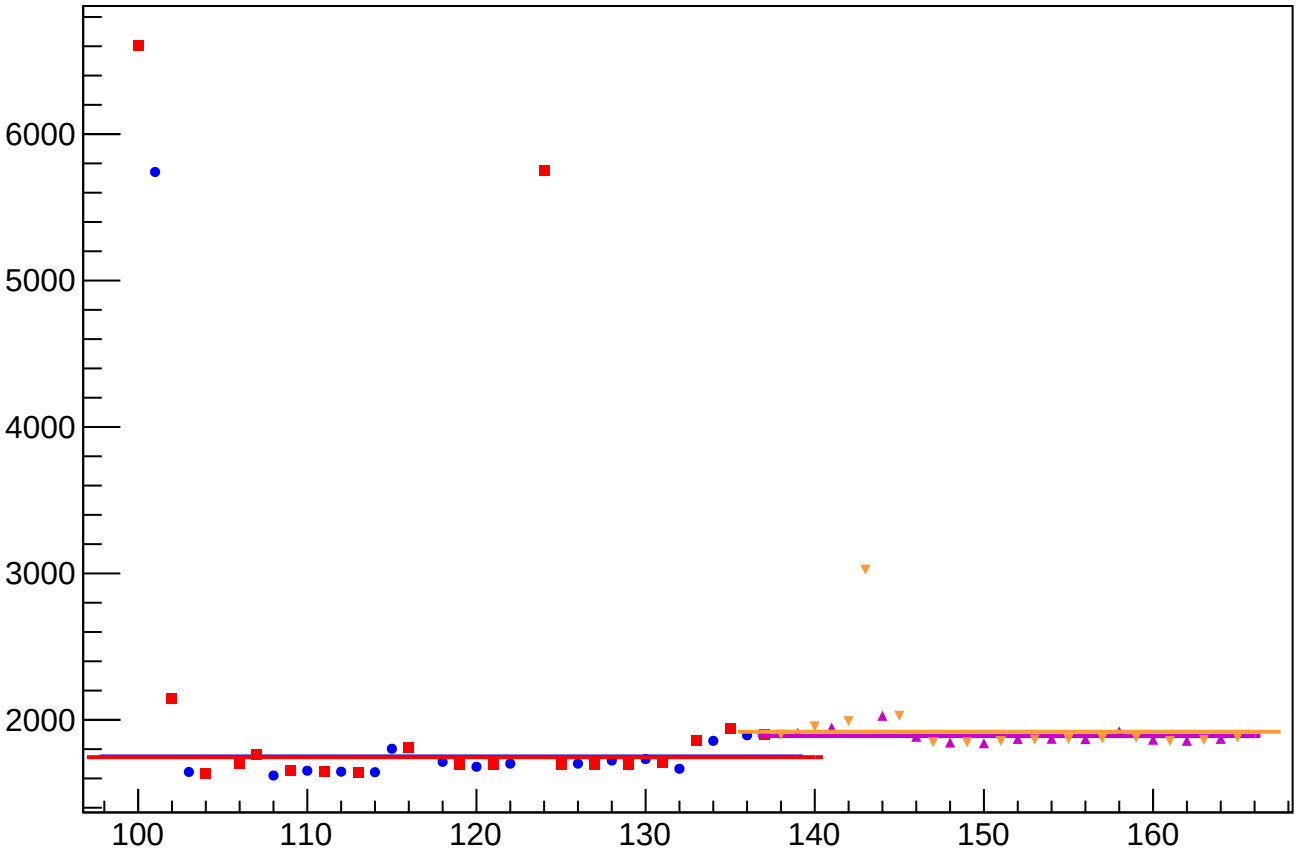
Left: 216.299+/-400.008 χ^2/NDF: 45.3/27

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -158.949+/-433.645 χ^2/NDF:30.9/28

Out: 483.057+/-426.073 χ^2/NDF:40.0/33

All: 167.708+/-303.921 χ^2/NDF: 72.0/62



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

Left: 1904.575+/-0.283 χ^2/NDF: 257563.6/27

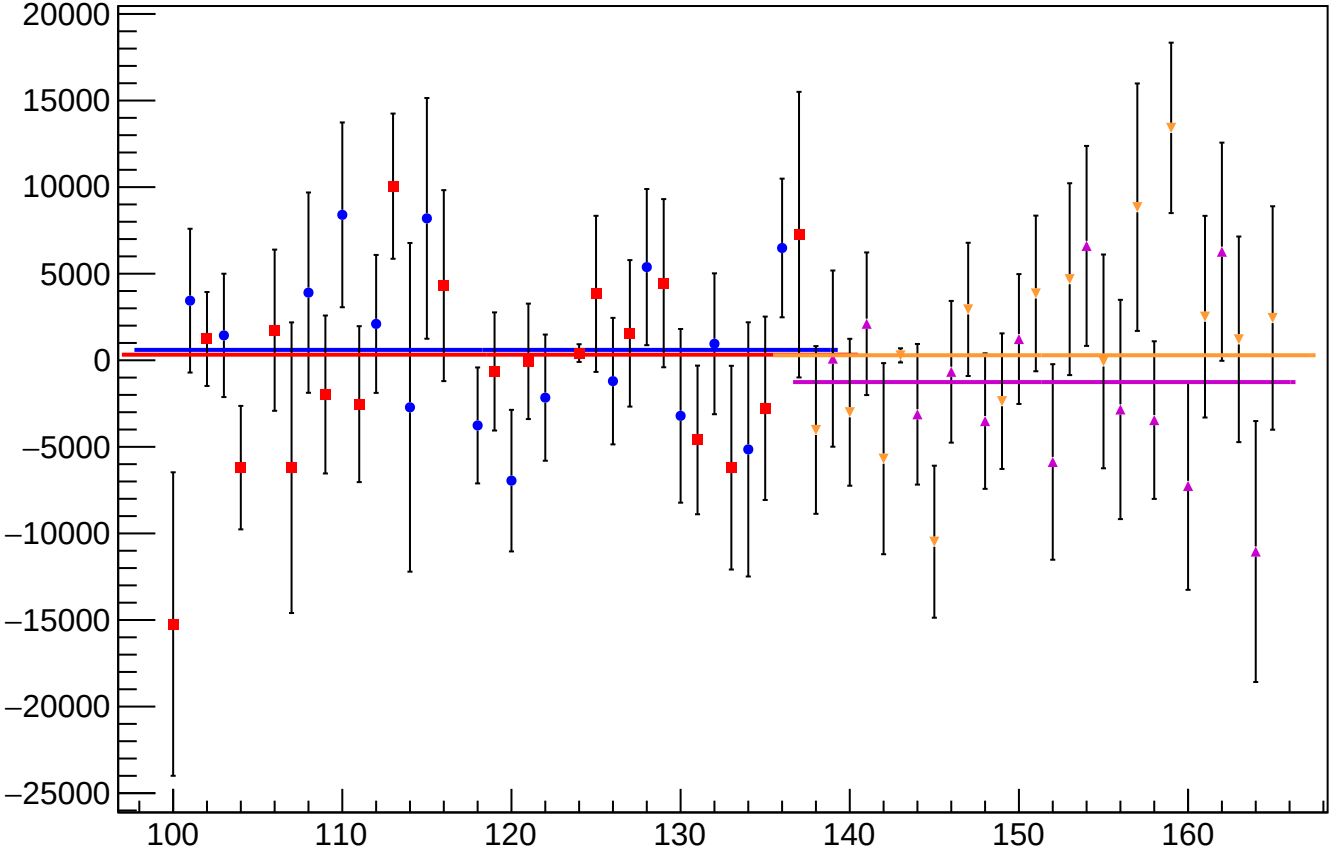
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.572+/-0.307 χ^2/NDF:734706.8/28

Out: 1845.186+/-0.301 χ^2/NDF:619998.7/33

All: 1838.019+/-0.215 χ^2/NDF: 1355863.0/62

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: 290.153+/-391.005 χ^2/NDF:19.6/14

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1259.266+/-1336.895 χ^2/NDF:8.7/12

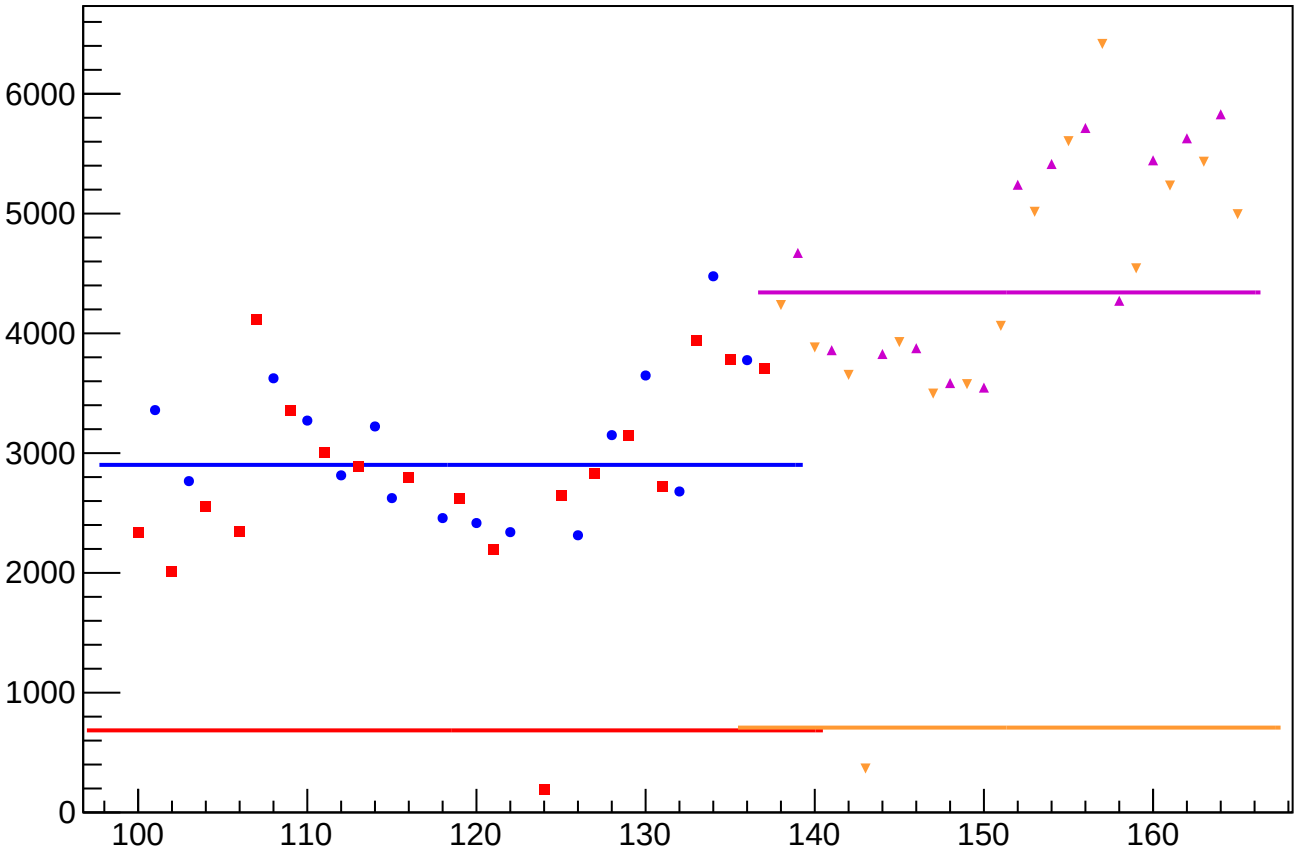
Left: 168.060+/-375.283 χ^2/NDF: 29.5/27

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -150.564+/-849.484 χ^2/NDF:24.7/28

Out: 304.039+/-297.611 χ^2/NDF:38.6/33

All: 254.341+/-280.872 χ^2/NDF: 63.6/62



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 708.473+/-0.276 χ^2/NDF:16769401.2/14

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

Left: 994.763+/-0.265 χ^2/NDF: 31077567.9/27

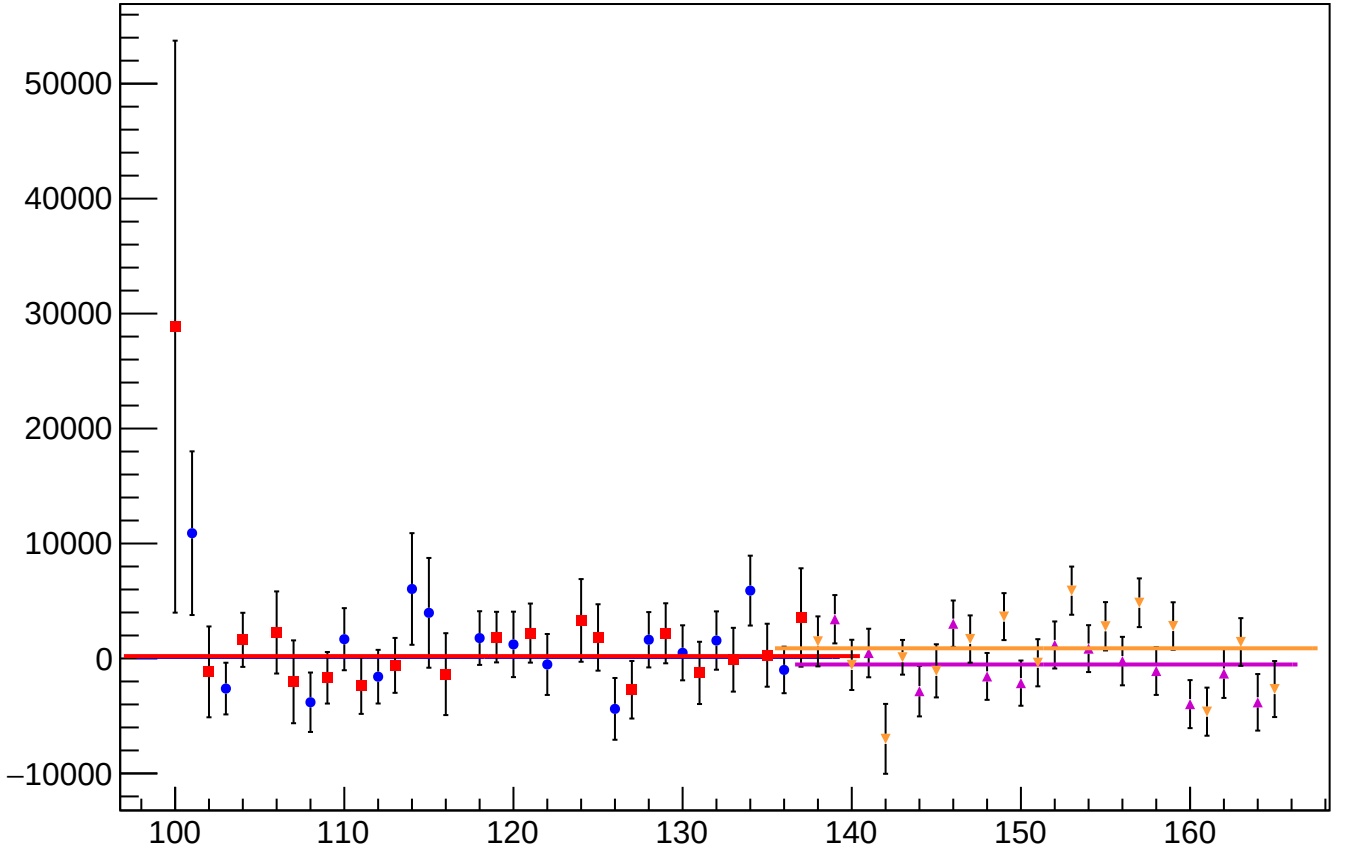
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3483.165+/-0.601 χ^2/NDF:2565420.2/28

Out: 698.707+/-0.210 χ^2/NDF:26878164.8/33

All: 1003.109+/-0.199 χ^2/NDF: 48582694.2/6

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 884.734+/-541.472 χ^2/NDF:30.6/14

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -522.602+/-581.887 χ^2/NDF:14.8/12

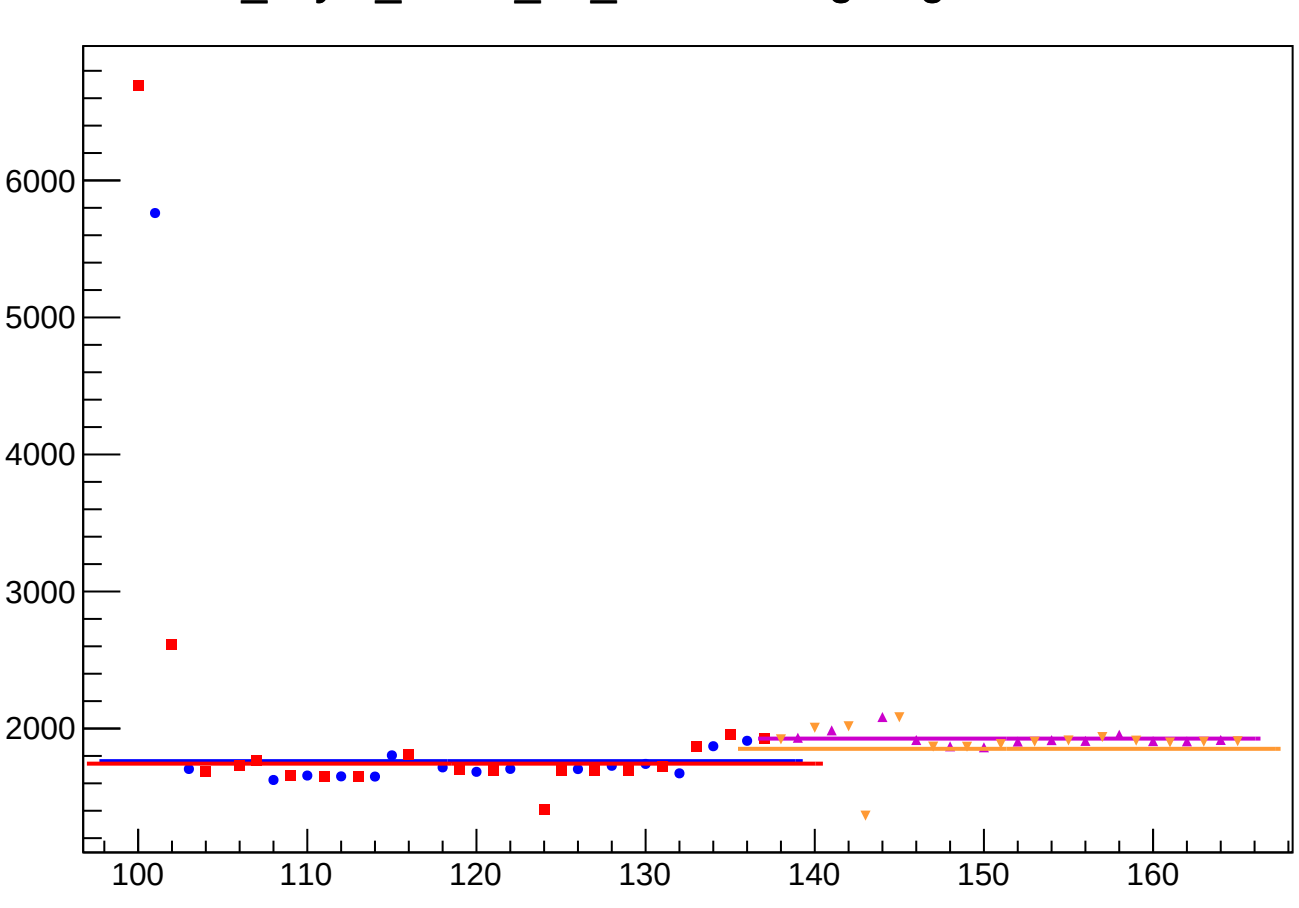
Left: 231.632+/-396.397 χ^2/NDF: 48.5/27

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -241.134+/-439.785 χ^2/NDF:32.6/28

Out: 608.683+/-417.190 χ^2/NDF:41.0/33

All: 206.165+/-302.671 χ^2/NDF: 75.5/62



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1851.943+/-0.383 χ^2/NDF:258157.3/14

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1926.497+/-0.411 χ^2/NDF:16714.0/12

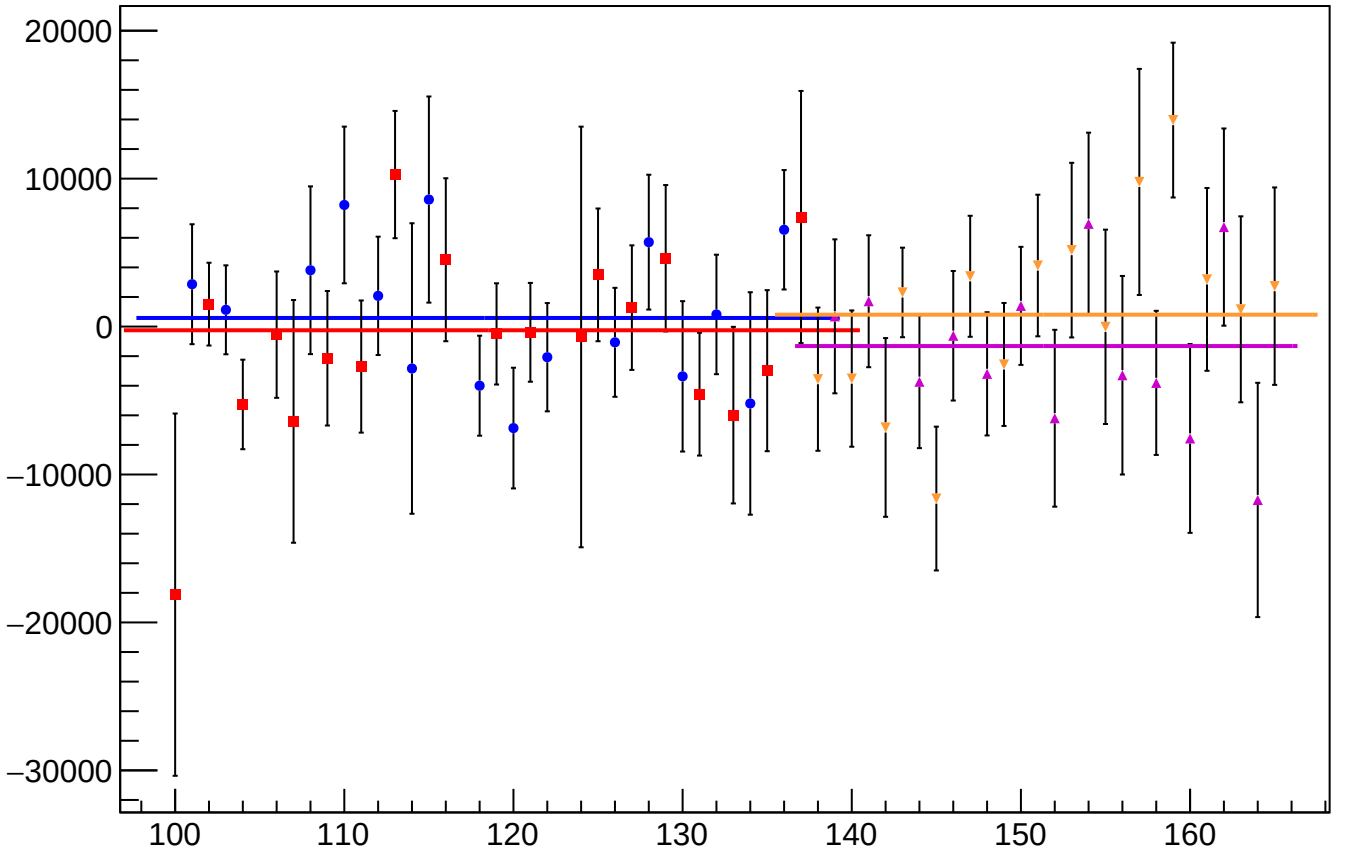
Left: 1886.541+/-0.280 χ^2/NDF: 292467.1/27

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1855.986+/-0.311 χ^2/NDF:752900.8/28

Out: 1807.815+/-0.295 χ^2/NDF:518495.1/33

All: 1830.603+/-0.214 χ^2/NDF: 1284040.1/62



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 803.841+/-1280.880 χ^2/NDF:20.1/14

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1317.543+/-1426.876 χ^2/NDF:8.5/12

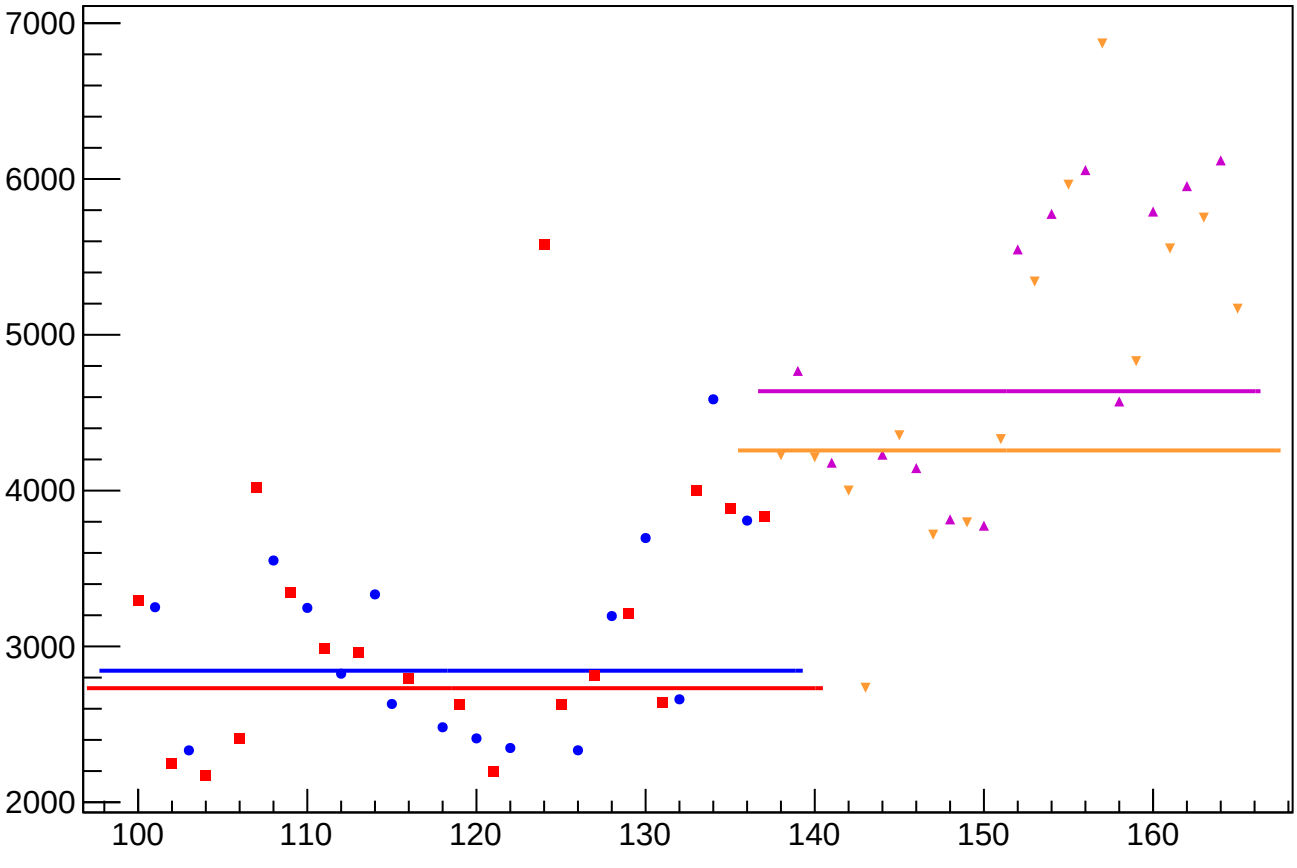
Left: -142.802+/-953.169 χ^2/NDF: 29.9/27

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: -110.934+/-861.890 χ^2/NDF:24.5/28

Out: 159.309+/-798.398 χ^2/NDF:38.4/33

All: 34.507+/-585.714 χ^2/NDF: 63.0/62



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4257.806+/-0.906 χ^2/NDF:1269318.1/14

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4637.967+/-1.009 χ^2/NDF:653508.7/12

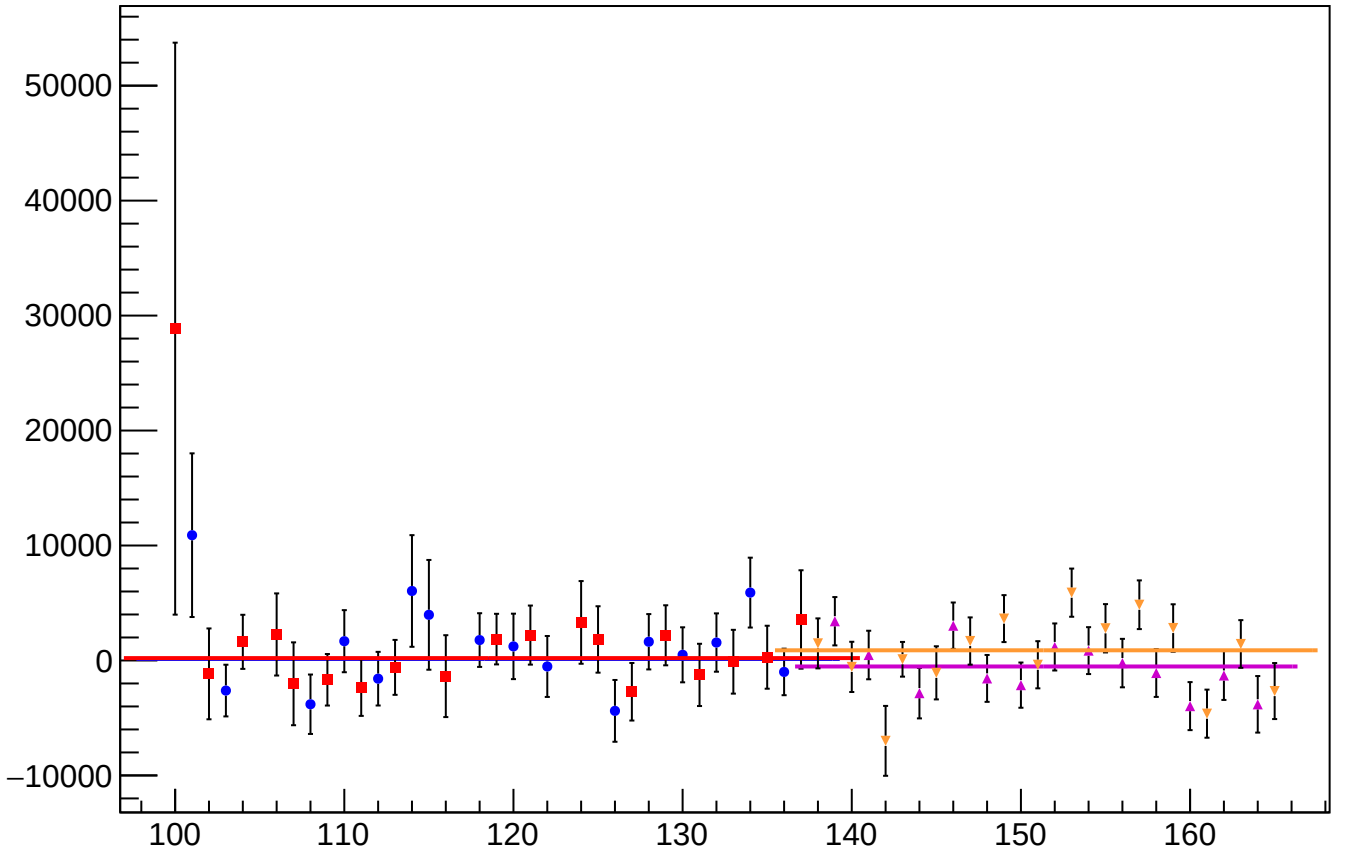
Left: 4427.448+/-0.674 χ^2/NDF: 2001443.9/27

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3498.652+/-0.609 χ^2/NDF:3203150.4/28

Out: 3324.804+/-0.565 χ^2/NDF:3616000.1/33

All: 3405.090+/-0.414 χ^2/NDF: 6862942.8/62



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 884.736+/-541.472 χ^2/NDF:30.6/14

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -522.605+/-581.887 χ^2/NDF:14.8/12

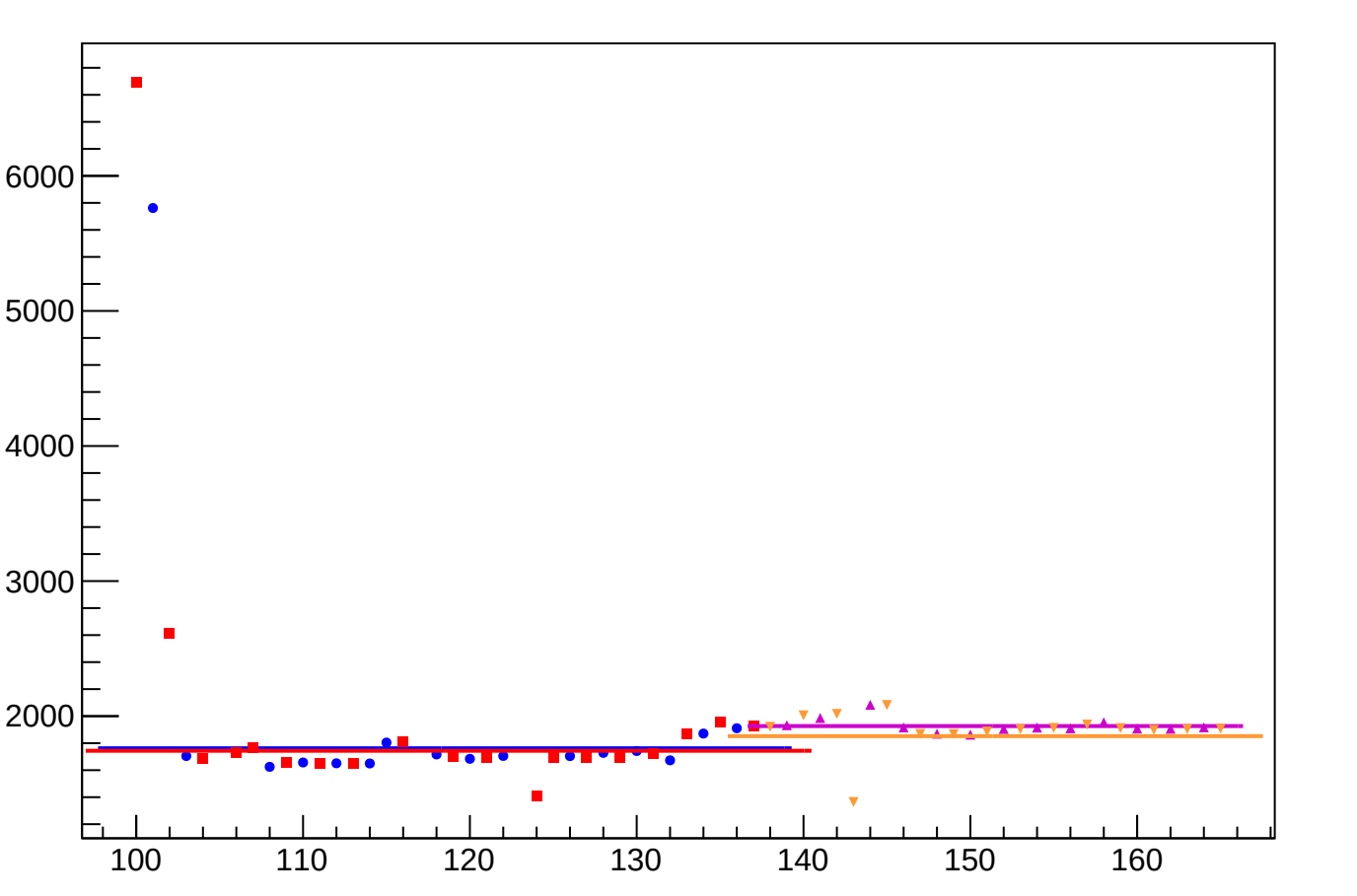
Left: 231.632+/-396.397 χ^2/NDF: 48.5/27

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -241.136+/-439.785 χ^2/NDF:32.6/28

Out: 608.683+/-417.190 χ^2/NDF:41.0/33

All: 206.165+/-302.671 χ^2/NDF: 75.5/62



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1851.943+/-0.383 χ^2/NDF:258158.6/14

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1926.498+/-0.411 χ^2/NDF:16714.2/12

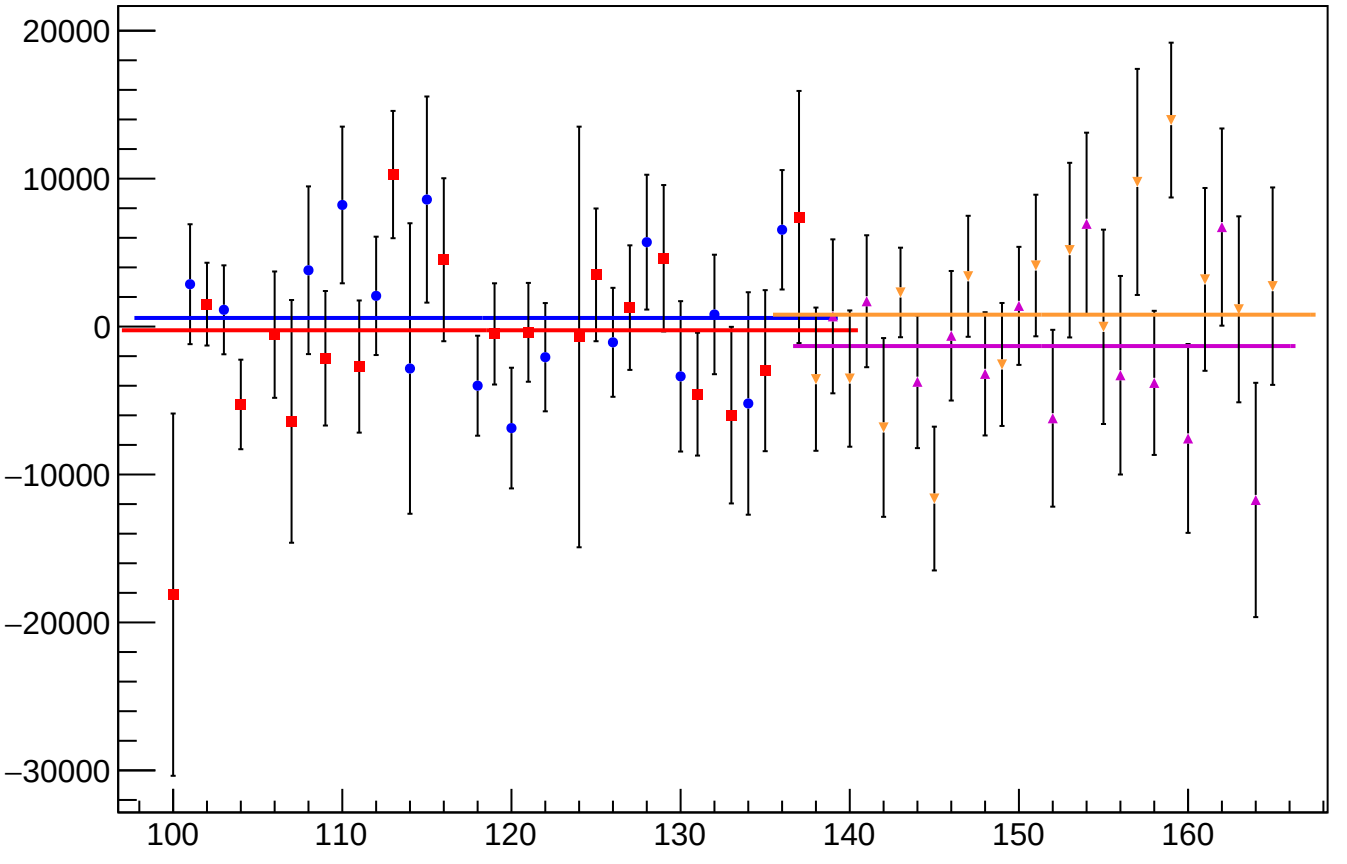
Left: 1886.542+/-0.280 χ^2/NDF: 292468.6/27

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1855.987+/-0.311 χ^2/NDF:752901.8/28

Out: 1807.815+/-0.295 χ^2/NDF:518497.0/33

All: 1830.604+/-0.214 χ^2/NDF: 1284043.0/62



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 803.845+/-1280.881 χ^2/NDF:20.1/14

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1317.543+/-1426.878 χ^2/NDF:8.5/12

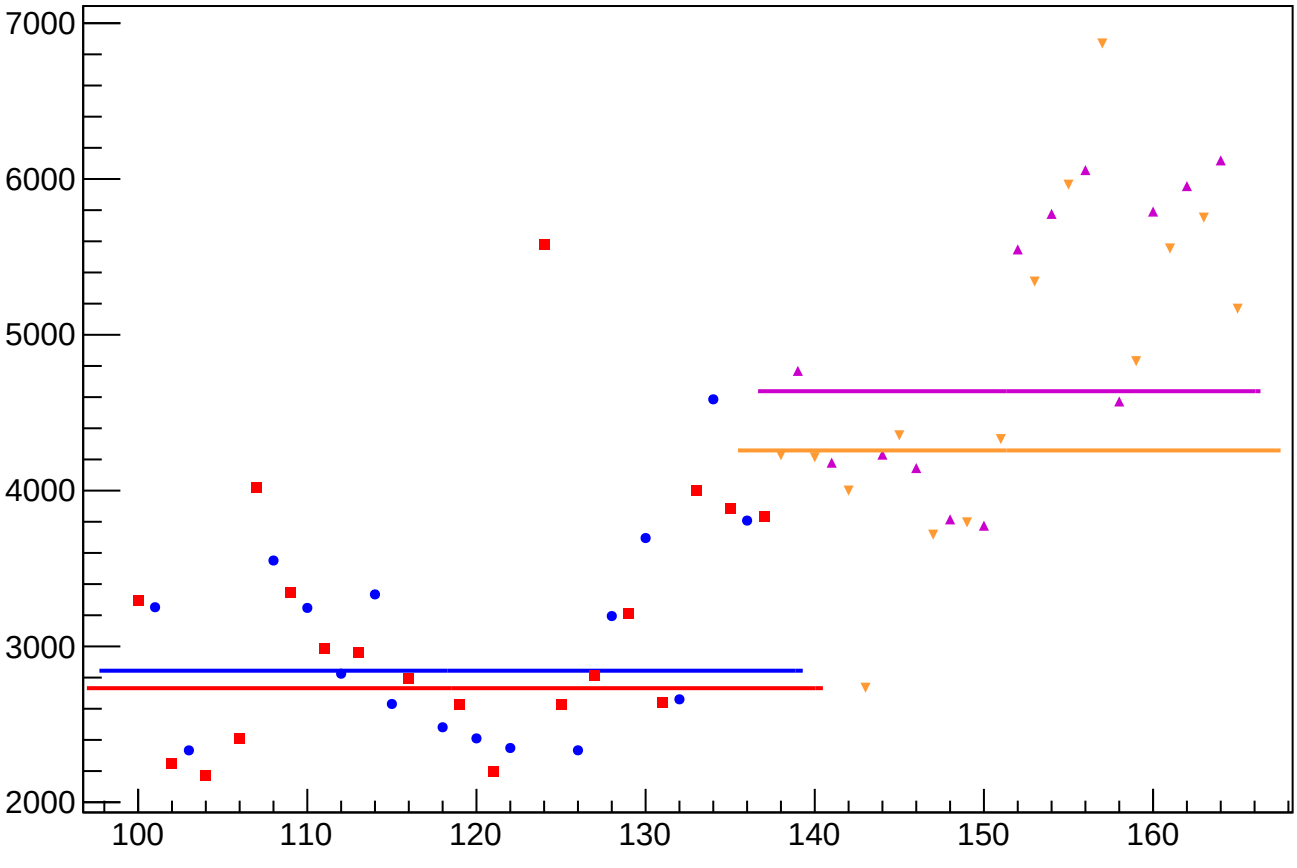
Left: -142.800+/-953.170 χ^2/NDF: 29.9/27

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: -110.934+/-861.889 χ^2/NDF:24.5/28

Out: 159.309+/-798.397 χ^2/NDF:38.4/33

All: 34.507+/-585.713 χ^2/NDF: 63.0/62



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4257.811+/-0.906 χ^2/NDF:1269324.4/14

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4637.974+/-1.009 χ^2/NDF:653511.5/12

Left: 4427.454+/-0.674 χ^2/NDF: 2001453.3/27

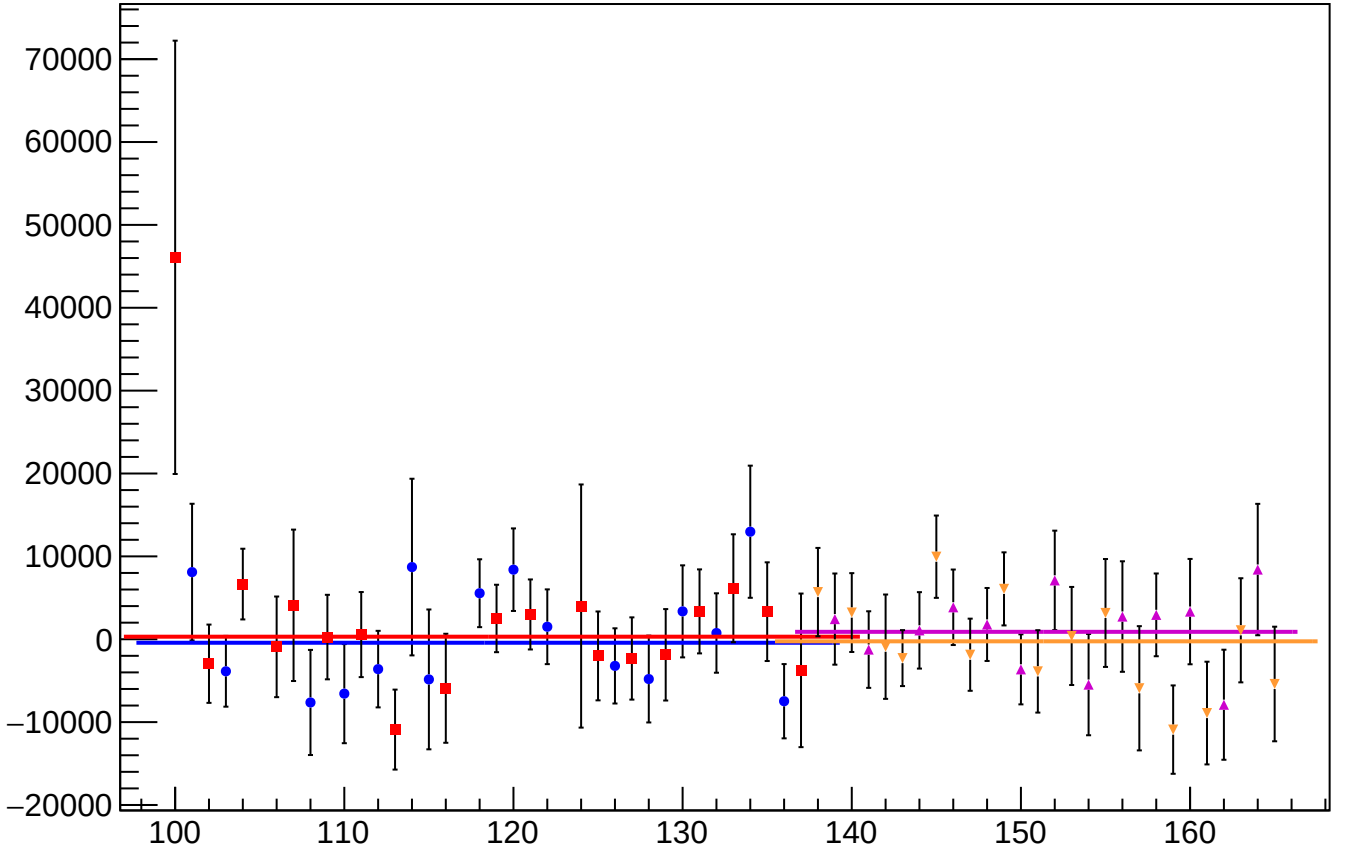
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3498.646+/-0.609 χ^2/NDF:3203188.1/28

Out: 3324.800+/-0.565 χ^2/NDF:3616027.6/33

All: 3405.085+/-0.414 χ^2/NDF: 6863007.1/62

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -250.948+/-1342.318 χ^2/NDF:16.5/14

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 894.750+/-1469.461 χ^2/NDF:7.1/12

Left: 270.200+/-991.069 χ^2/NDF: 23.9/27

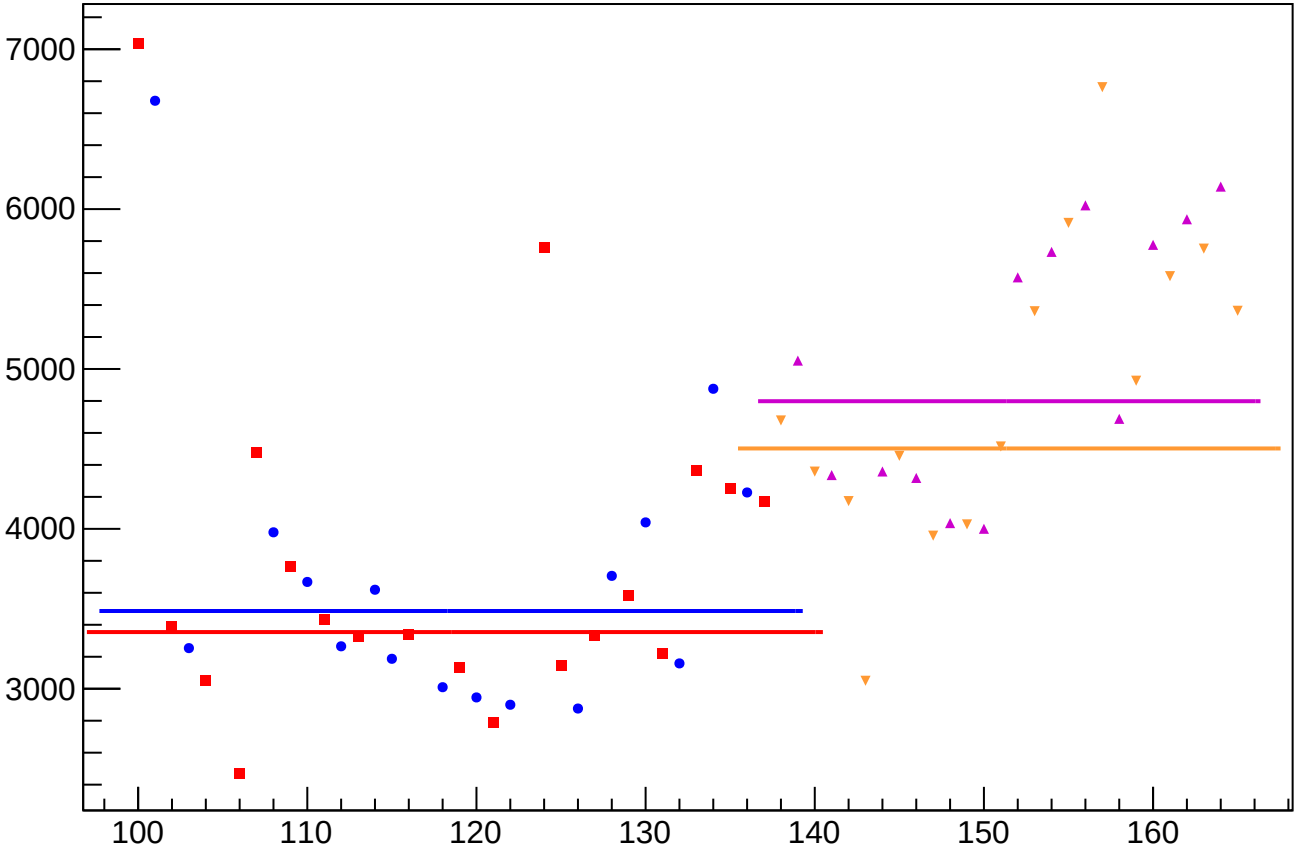
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 168.973+/-984.961 χ^2/NDF:25.4/28

Out: 42.643+/-924.717 χ^2/NDF:31.9/33

All: 101.827+/-674.166 χ^2/NDF: 57.3/62

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4502.864+/-0.949 χ^2/NDF:935904.9/14

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4798.451+/-1.039 χ^2/NDF:507782.1/12

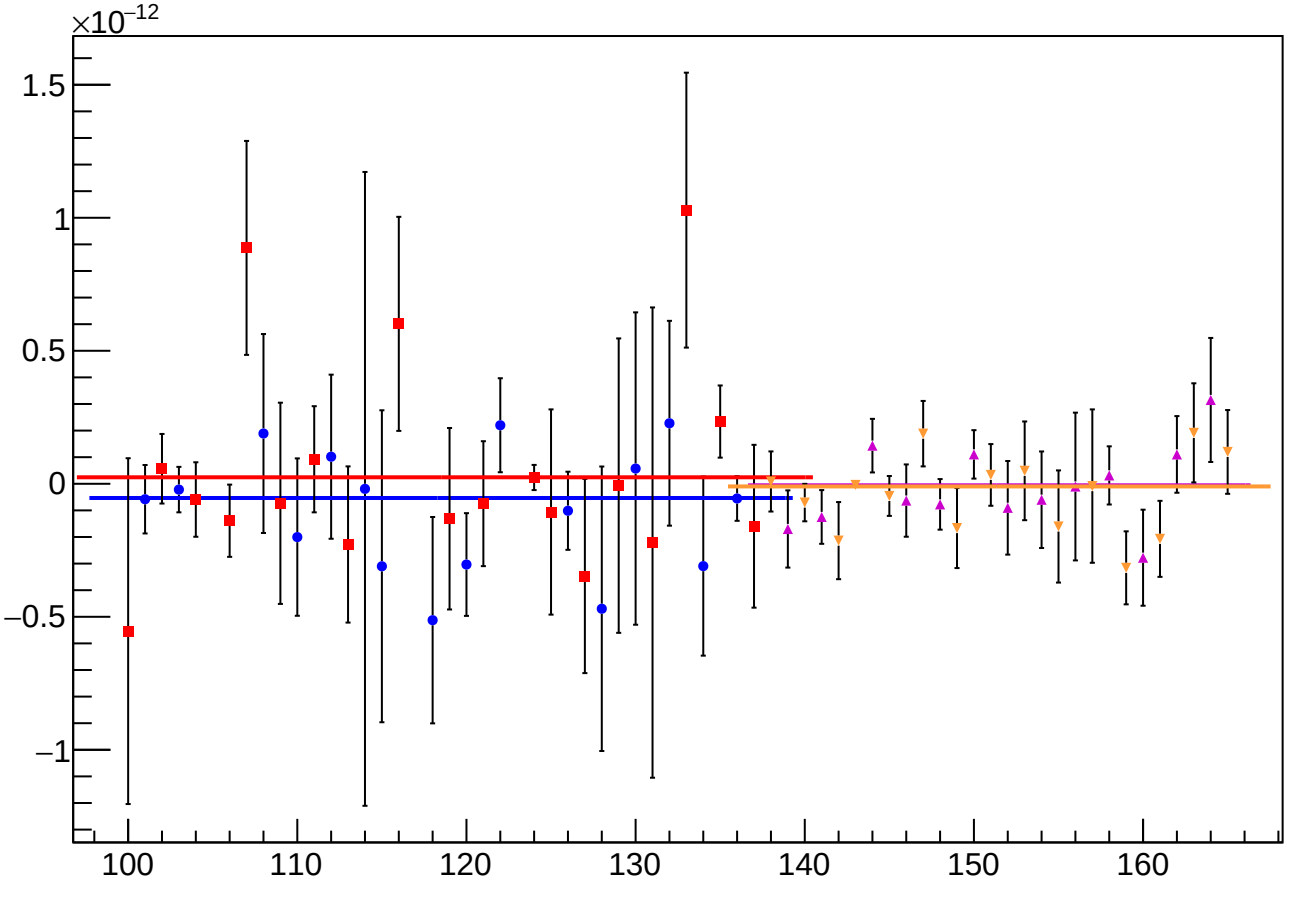
Left: 4637.319+/-0.701 χ^2/NDF: 1487801.4/27

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4075.755+/-0.696 χ^2/NDF:1981983.2/28

Out: 3891.415+/-0.649 χ^2/NDF:2091779.6/33

All: 3977.094+/-0.475 χ^2/NDF: 4111256.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/12

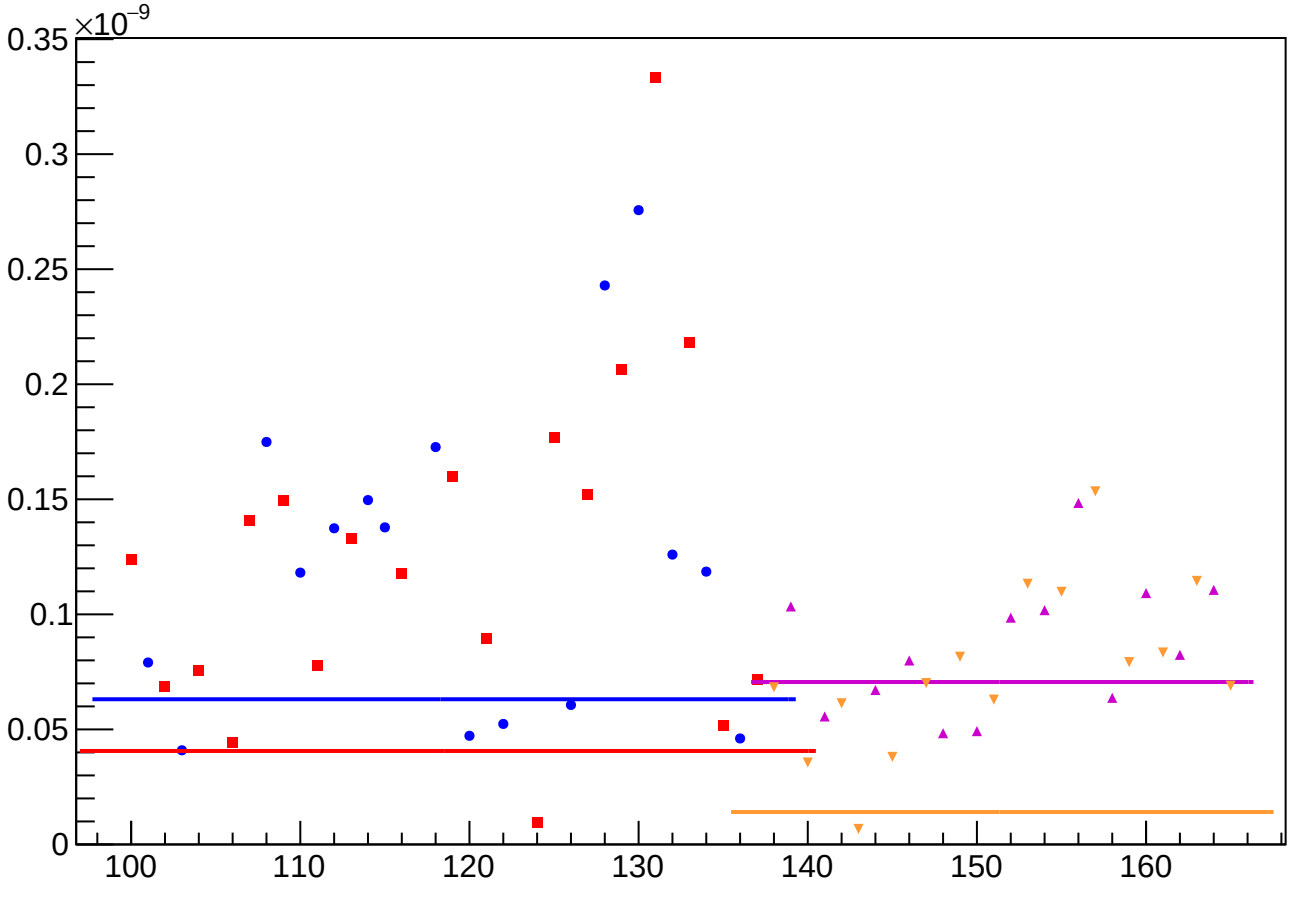
Left: -0.000+/-0.000 χ^2/NDF: 28.8/27

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:21.8/28

Out: -0.000+/-0.000 χ^2/NDF:35.5/33

All: -0.000+/-0.000 χ^2/NDF: 57.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6081465.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:816595.2/12

Left: 0.000+/-0.000 χ^2/NDF: 11404811.1/27

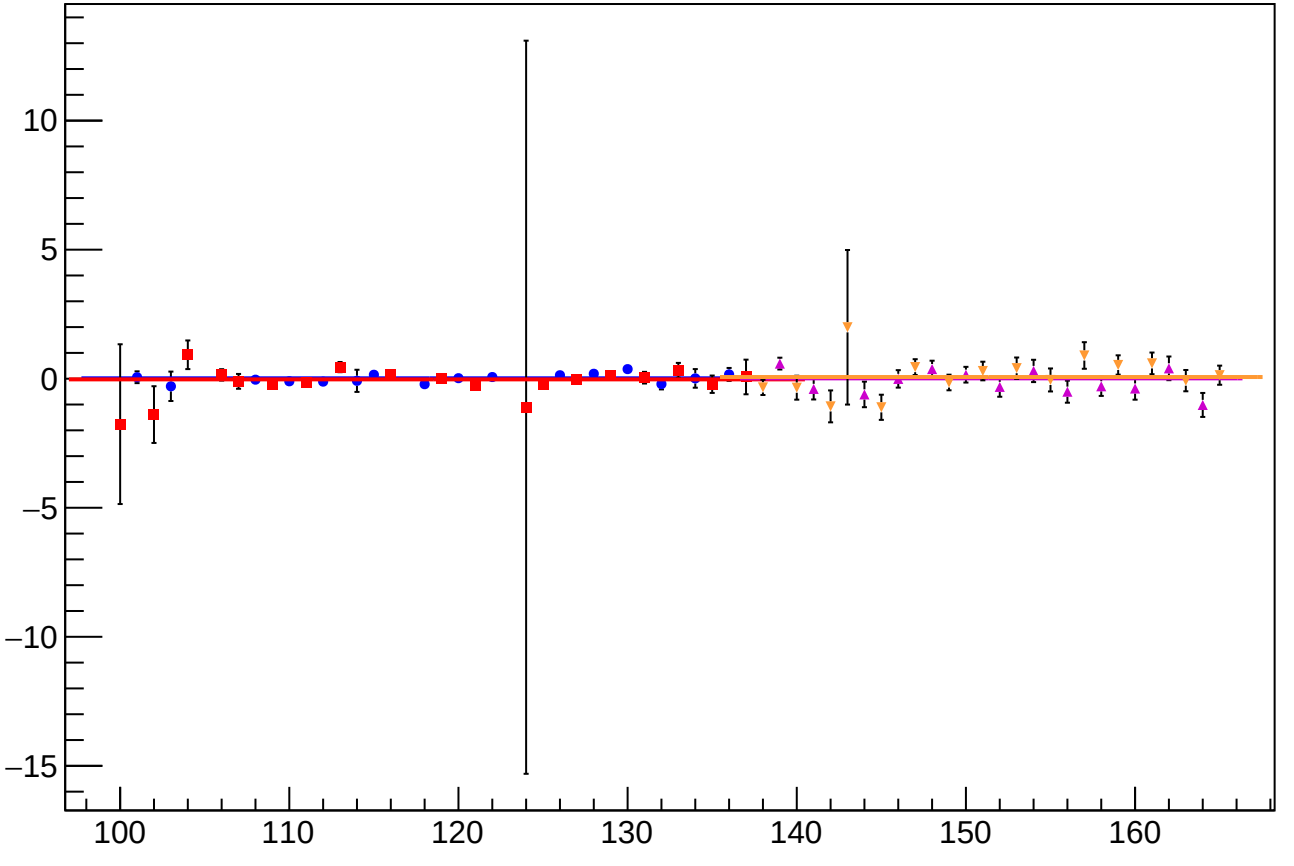
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2283139.8/28

Out: 0.000+/-0.000 χ^2/NDF:10244413.9/33

All: 0.000+/-0.000 χ^2/NDF: 18253802.1/62

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

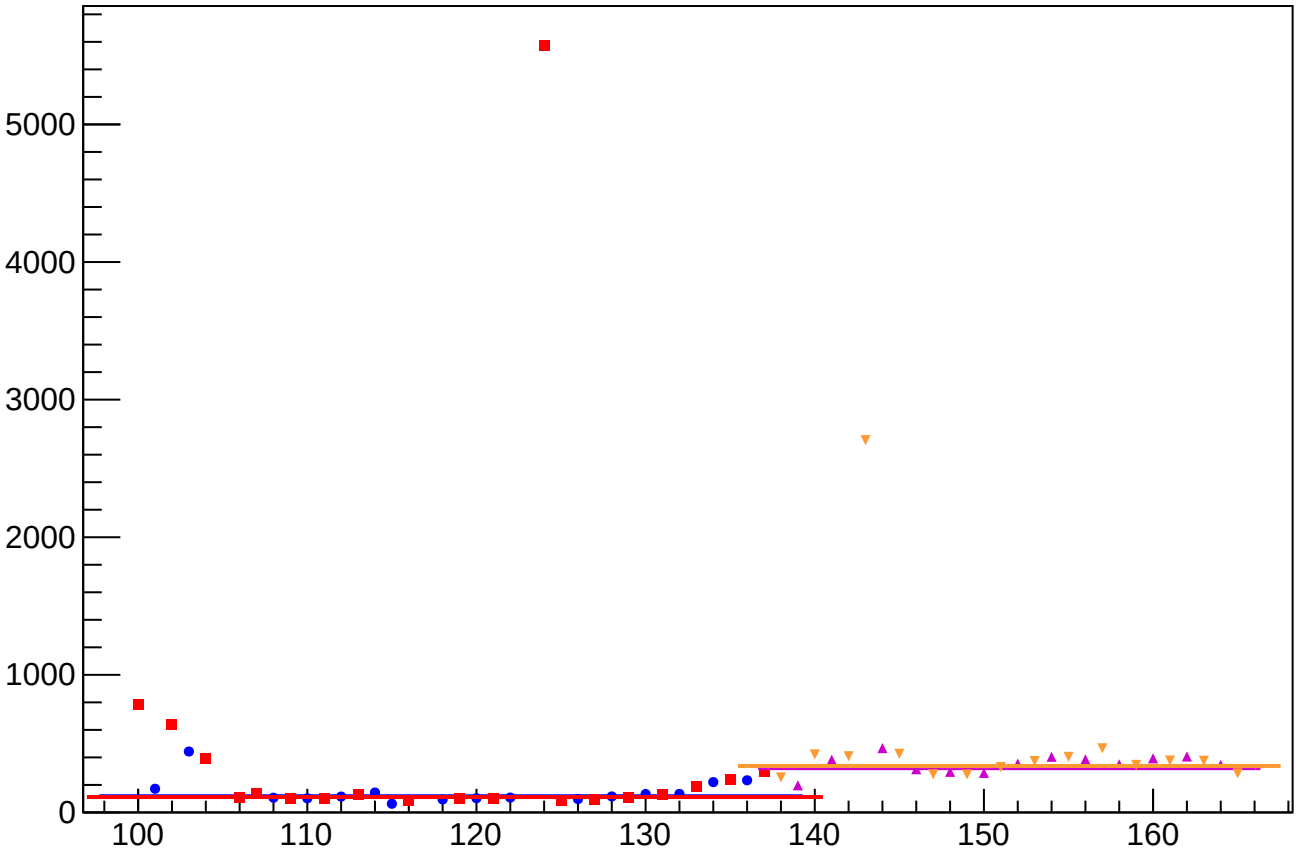
Left: 0.039+/-0.072 χ^2/NDF: 41.6/27

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.002+/-0.030 χ^2/NDF: 76.1/62



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.829+/-0.073 χ^2/NDF:1990560.0/14

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

Left: 329.680+/-0.051 χ^2/NDF: 3137555.2/27

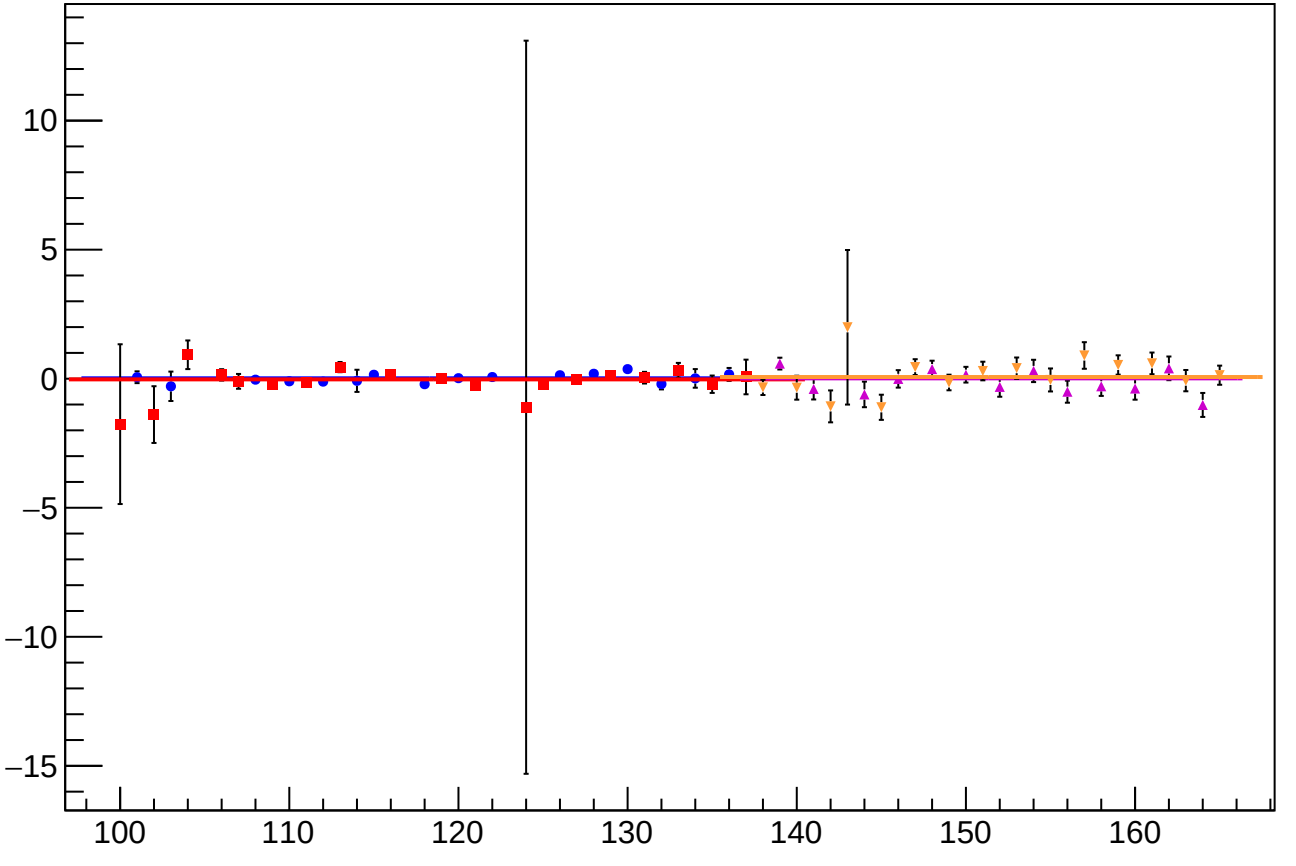
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 155.056+/-0.031 χ^2/NDF:9507791.0/28

Out: 150.380+/-0.030 χ^2/NDF:12047217.1/33

All: 152.685+/-0.021 χ^2/NDF: 21566838.0/62

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: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

Left: 0.039+/-0.072 χ^2/NDF: 41.6/27

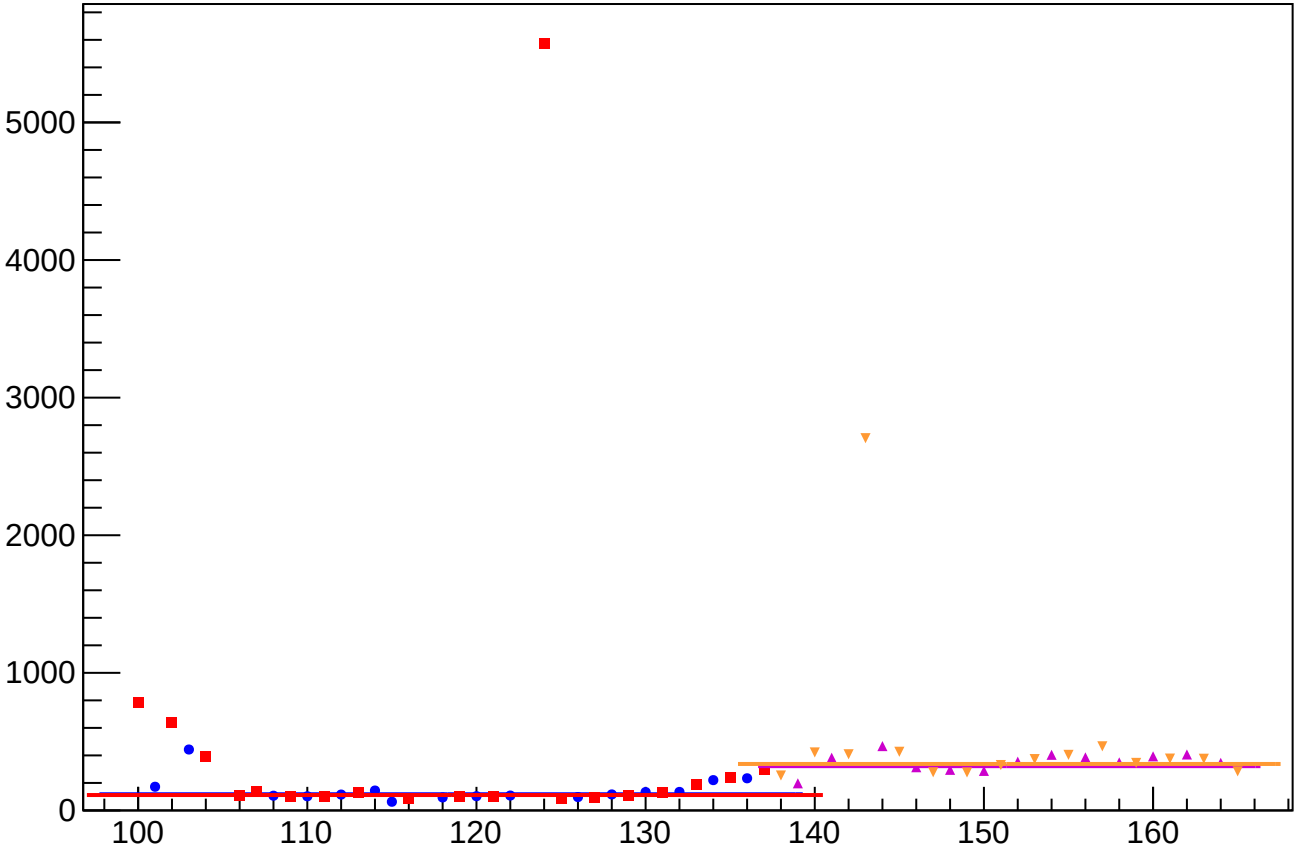
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.002+/-0.030 χ^2/NDF: 76.1/62

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: 337.829+/-0.073 χ^2/NDF:1990560.0/14

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

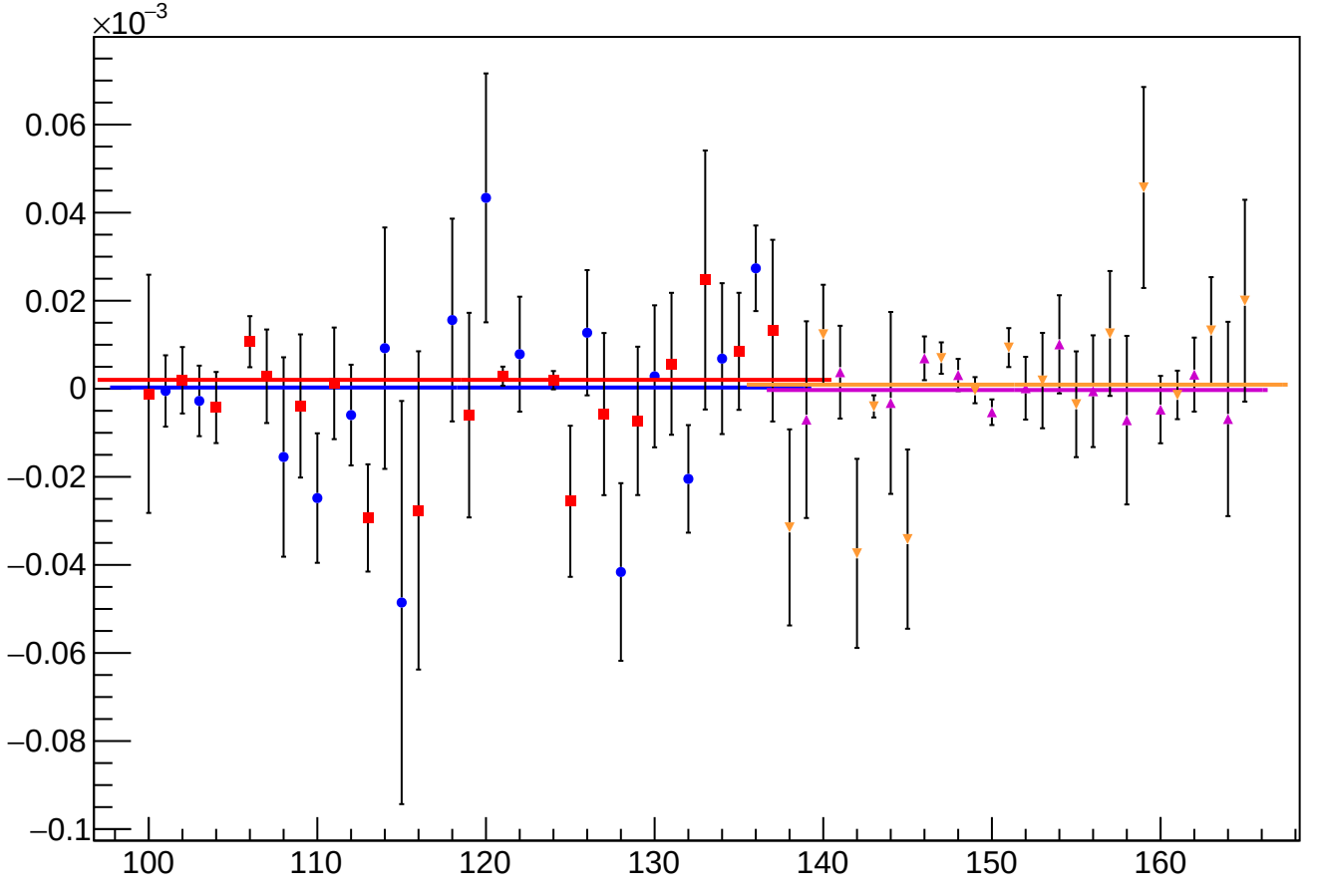
Left: 329.680+/-0.051 χ^2/NDF: 3137555.2/27

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 155.056+/-0.031 χ^2/NDF:9507791.0/28

Out: 150.380+/-0.030 χ^2/NDF:12047217.1/33

All: 152.685+/-0.021 χ^2/NDF: 21566838.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/12

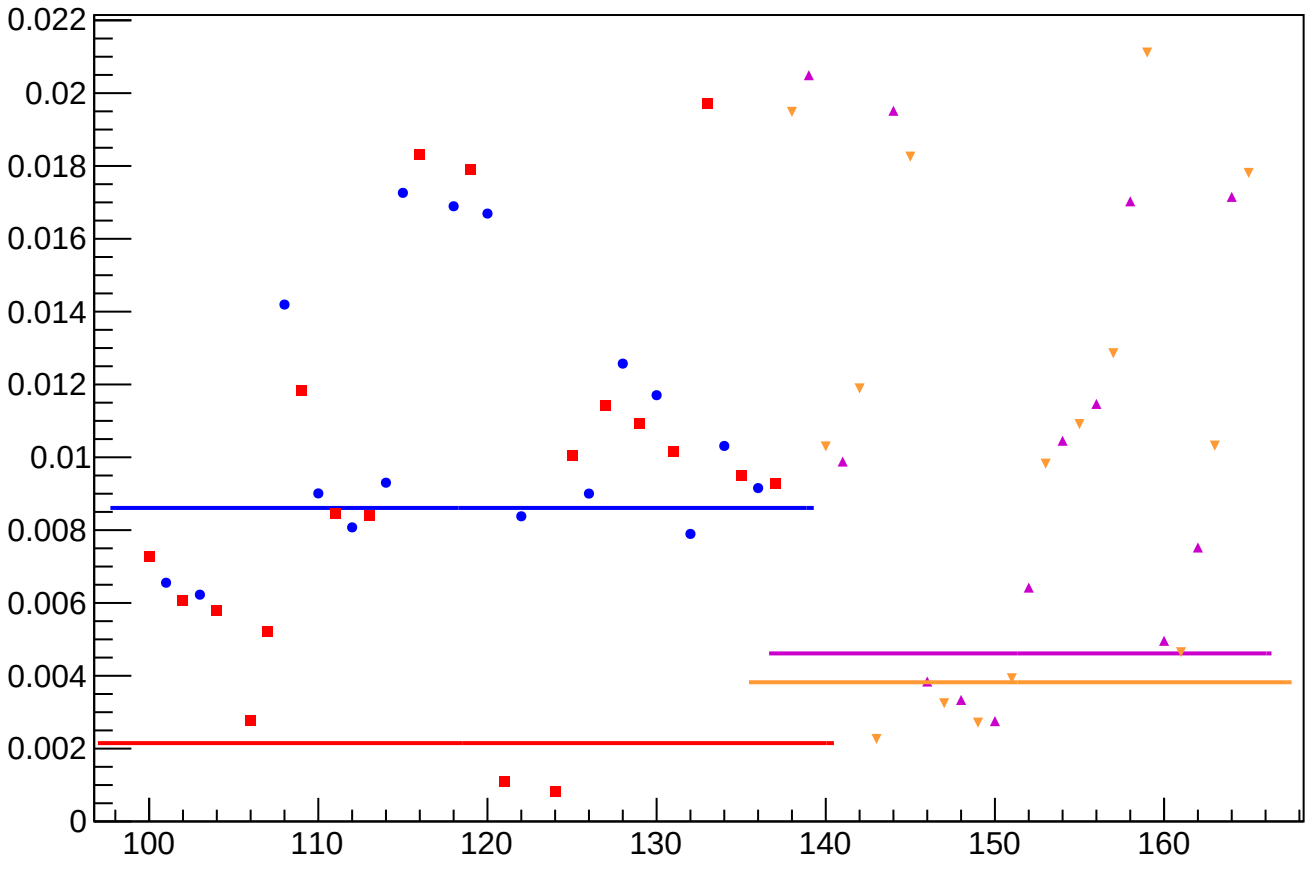
Left: 0.000+/-0.000 χ^2/NDF: 34.5/27

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.9/28

Out: 0.000+/-0.000 χ^2/NDF:41.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.3/62



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:8673542.2/14

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6649721.2/12

Left: 0.004+/-0.000 χ^2/NDF: 15562742.2/27

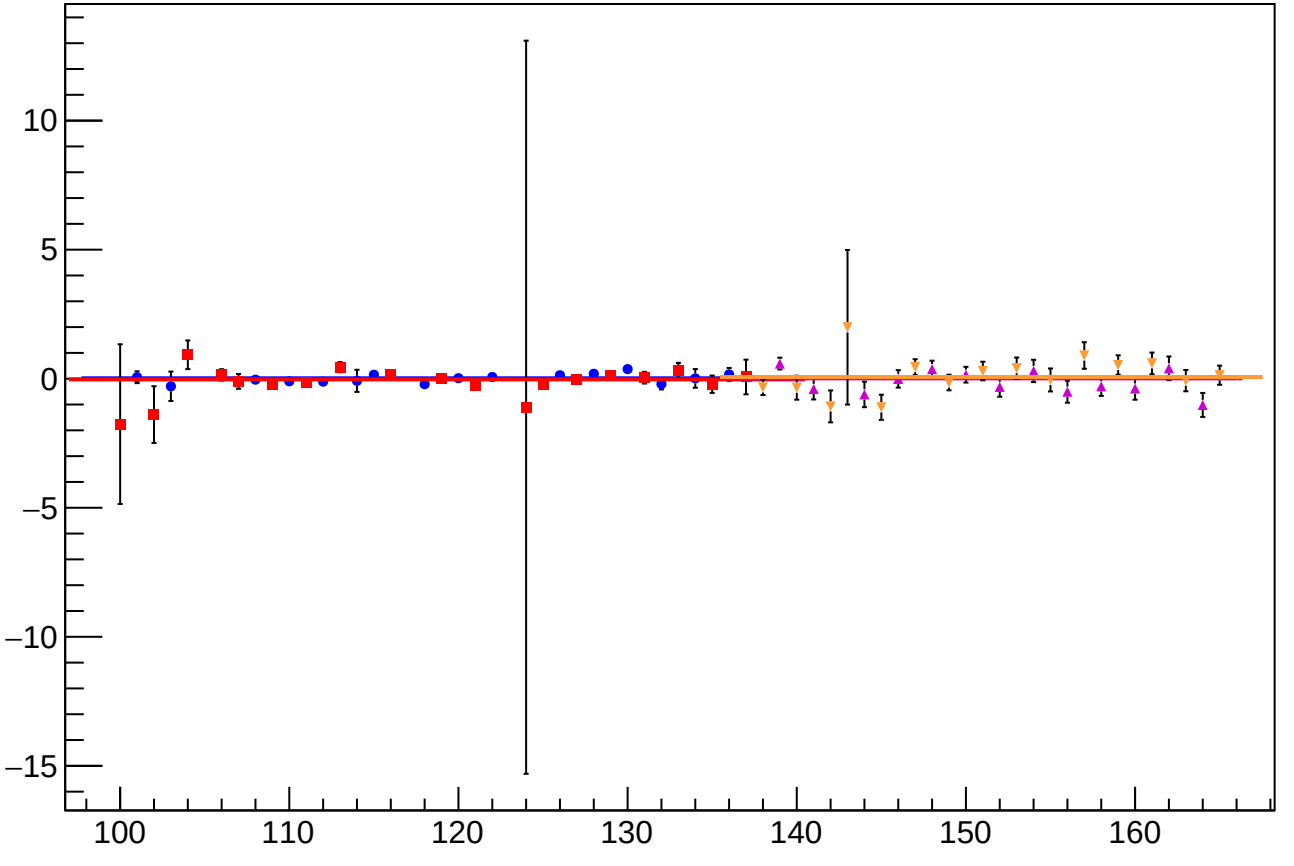
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9958628.4/28

Out: 0.003+/-0.000 χ^2/NDF:19201552.0/33

All: 0.004+/-0.000 χ^2/NDF: 32974698.2/62

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

Left: 0.039+/-0.072 χ^2/NDF: 41.6/27

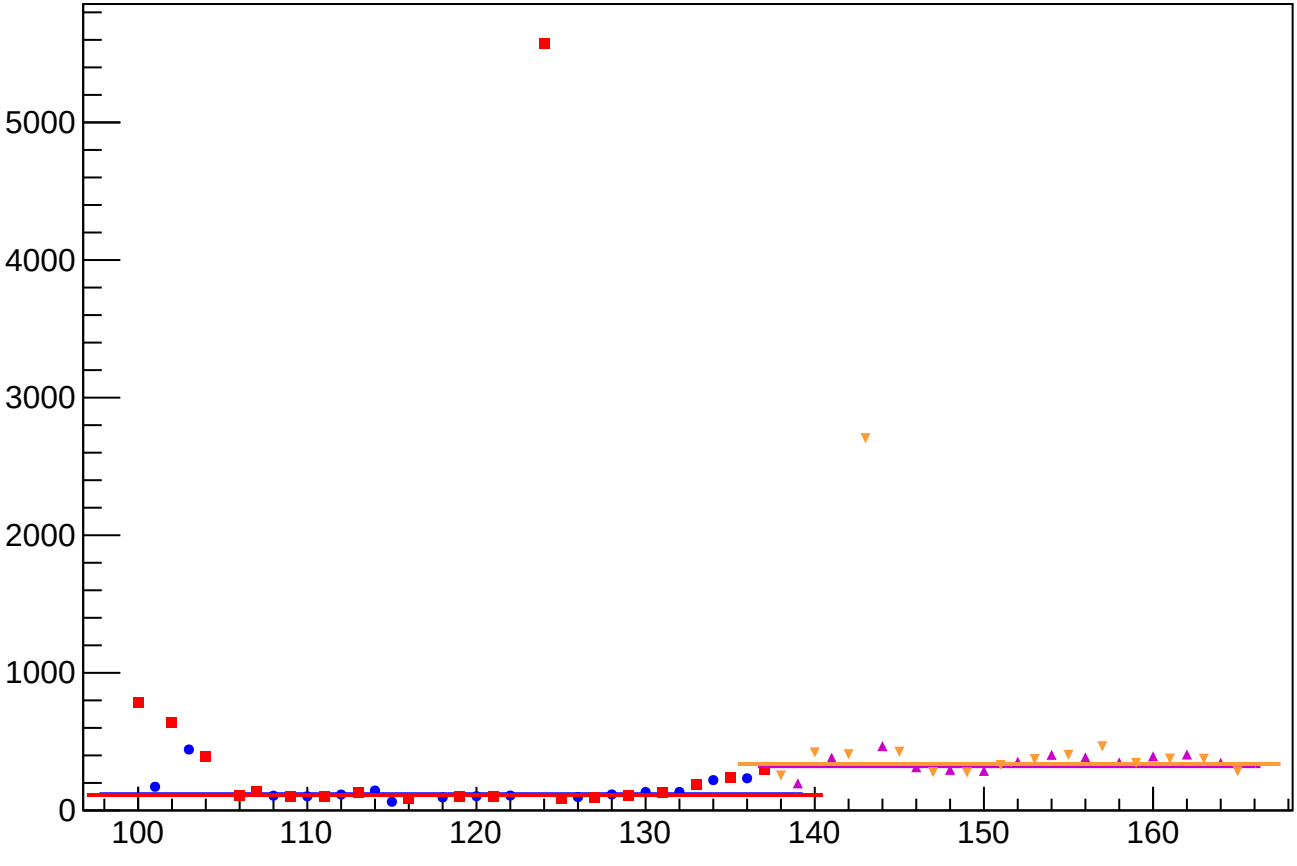
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.002+/-0.030 χ^2/NDF: 76.1/62

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: 337.834+/-0.073 χ^2/NDF:1990591.8/14

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

Left: 329.684+/-0.051 χ^2/NDF: 3137589.9/27

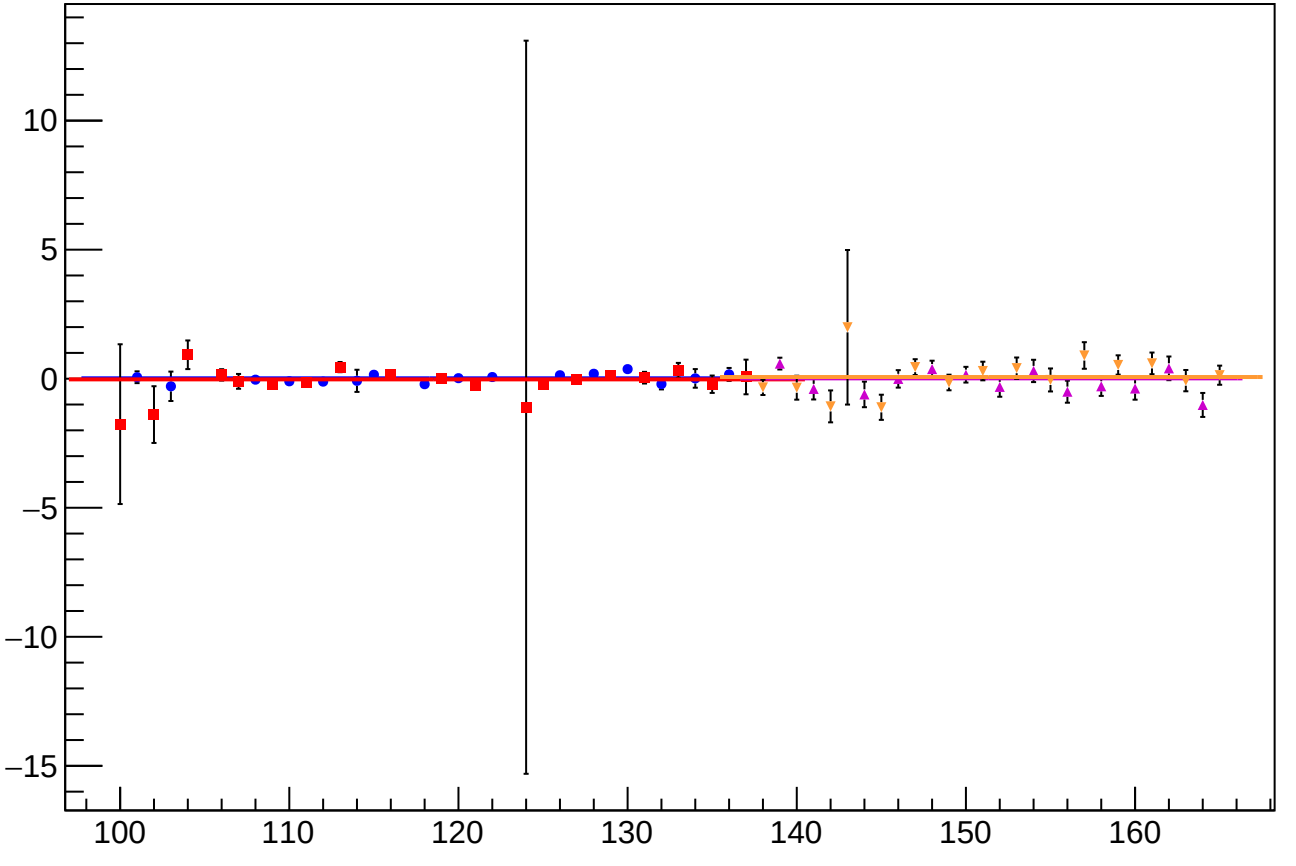
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 155.056+/-0.031 χ^2/NDF:9507905.0/28

Out: 150.382+/-0.030 χ^2/NDF:12047170.2/33

All: 152.686+/-0.021 χ^2/NDF: 21566895.1/62

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: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

Left: 0.039+/-0.072 χ^2/NDF: 41.6/27

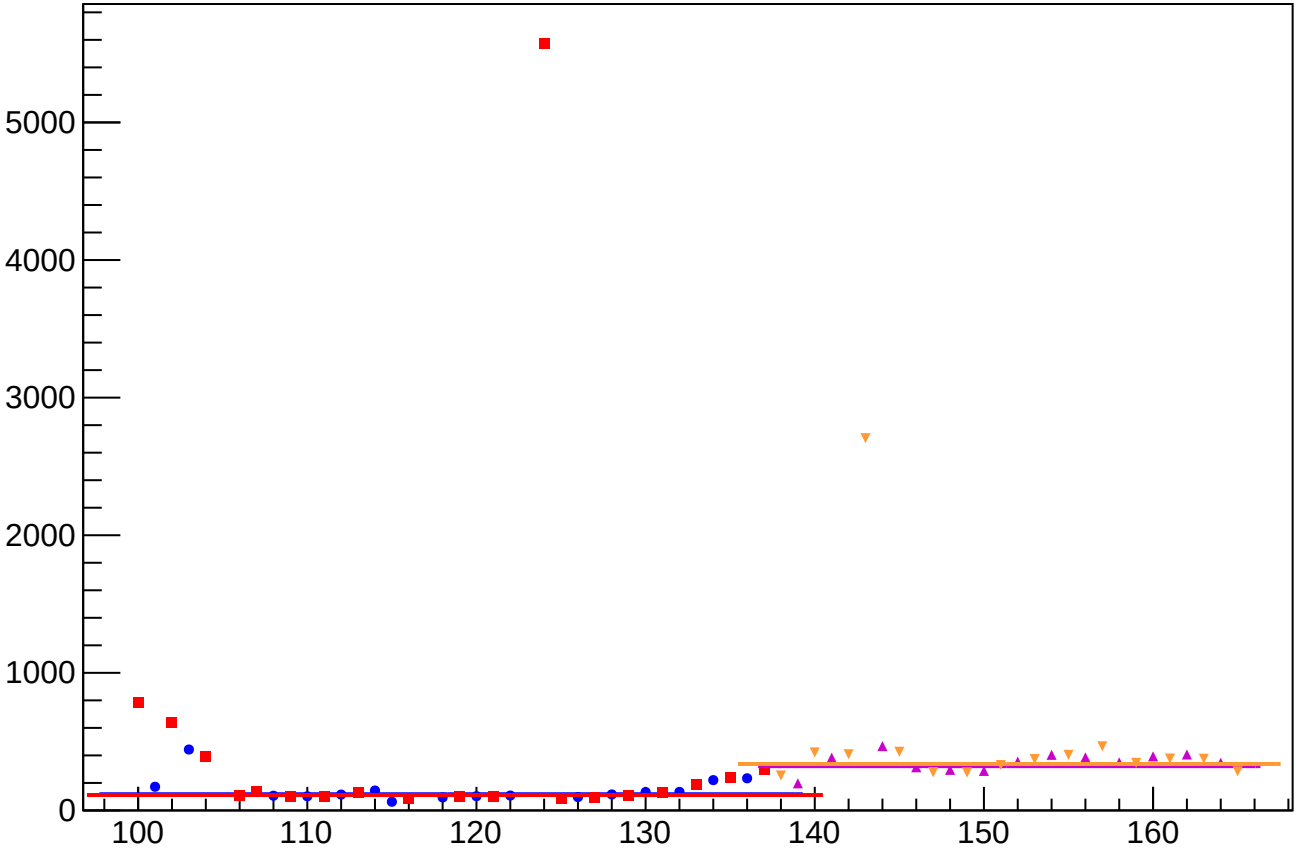
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.002+/-0.030 χ^2/NDF: 76.1/62

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: 337.834+/-0.073 χ^2/NDF:1990591.8/14

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

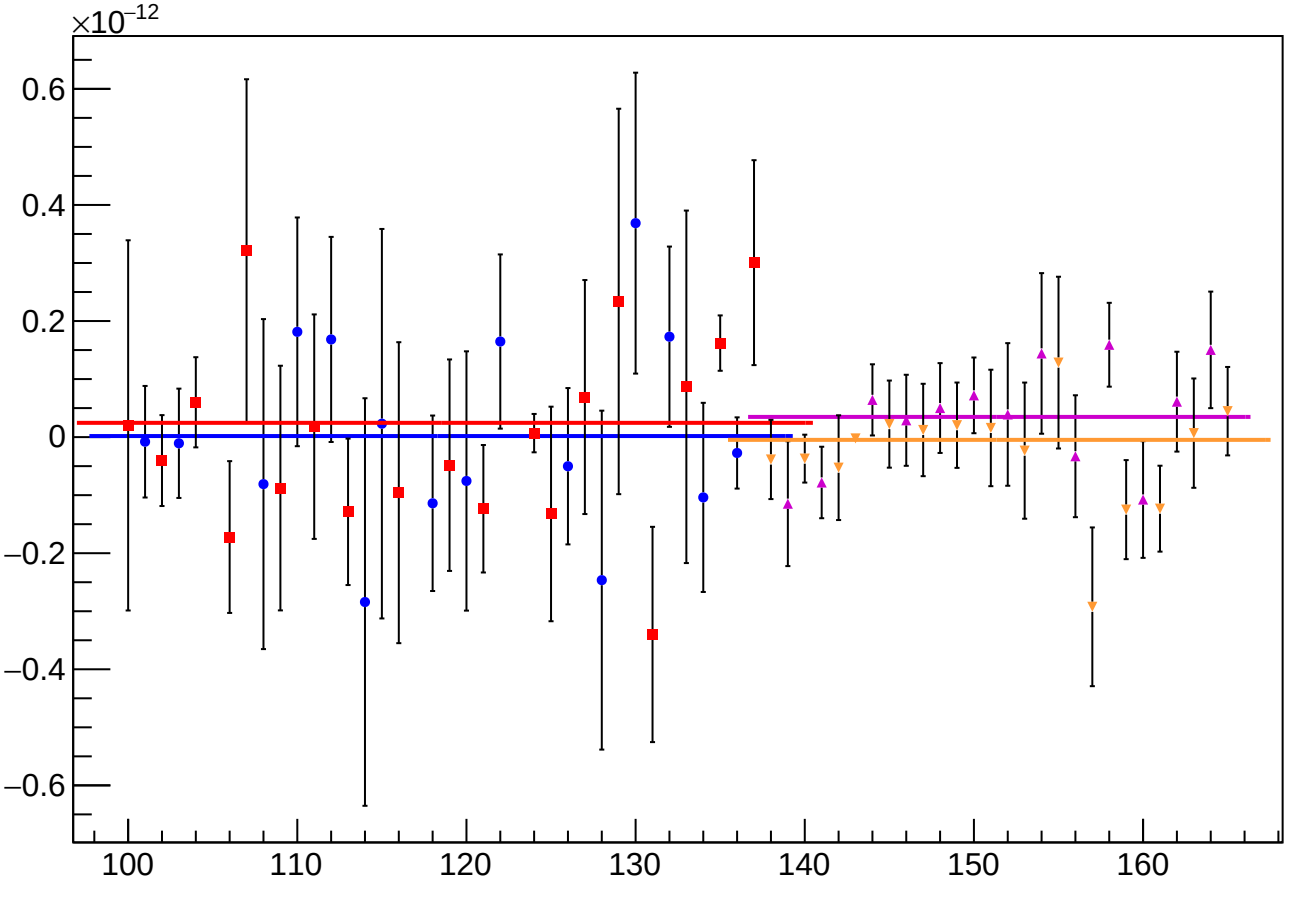
Left: 329.684+/-0.051 χ^2/NDF: 3137589.9/27

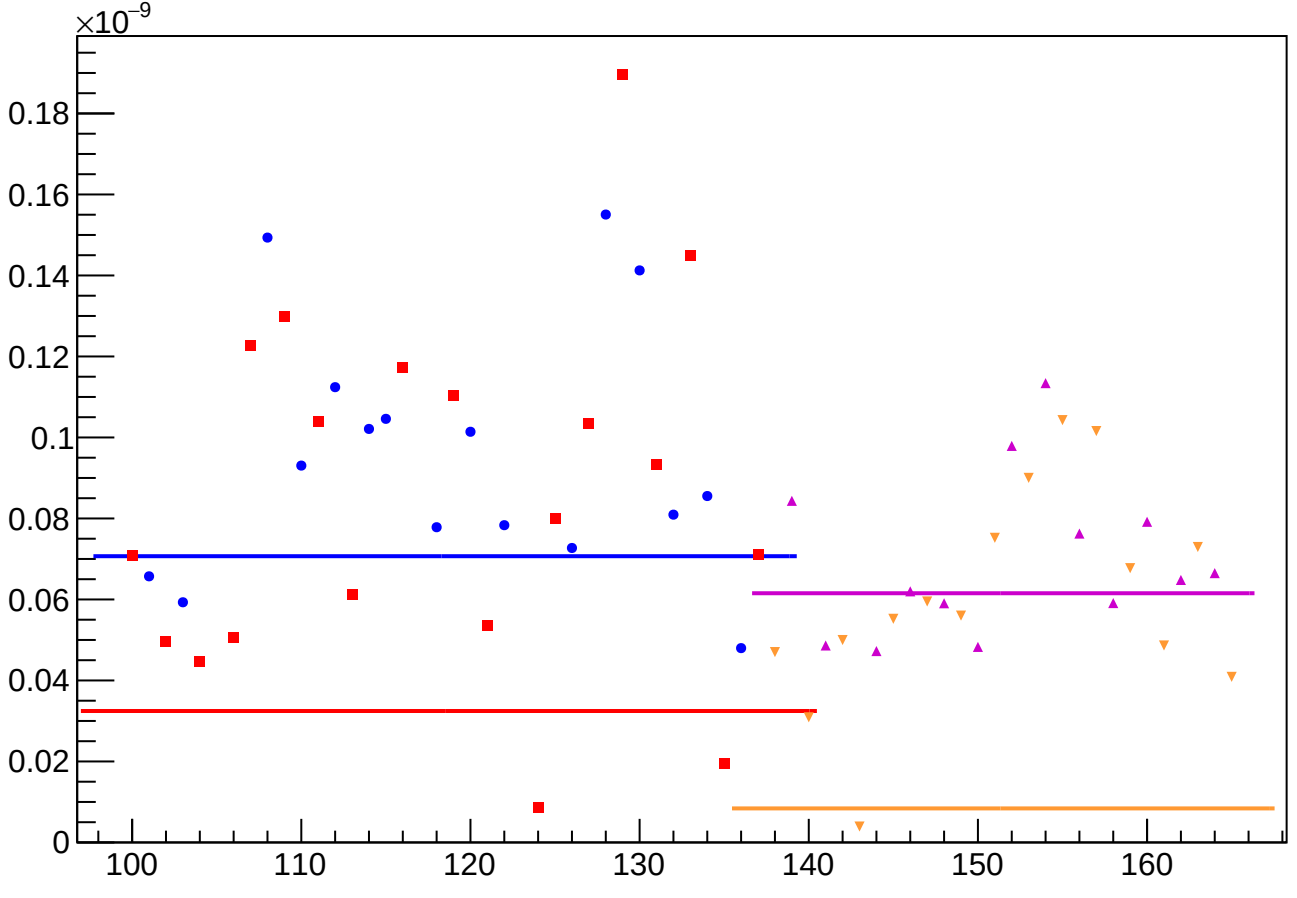
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 155.056+/-0.031 χ^2/NDF:9507905.0/28

Out: 150.382+/-0.030 χ^2/NDF:12047170.2/33

All: 152.686+/-0.021 χ^2/NDF: 21566895.1/62


asym_atr1l2_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:11.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/18
Left In: 0.000+/-0.000 χ²/NDF:13.3/12
Left: -0.000+/-0.000 χ²/NDF: 28.0/27
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:23.1/28
Out: -0.000+/-0.000 χ²/NDF:37.8/33
All: 0.000+/-0.000 χ²/NDF: 62.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11498823.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:938542.9/12

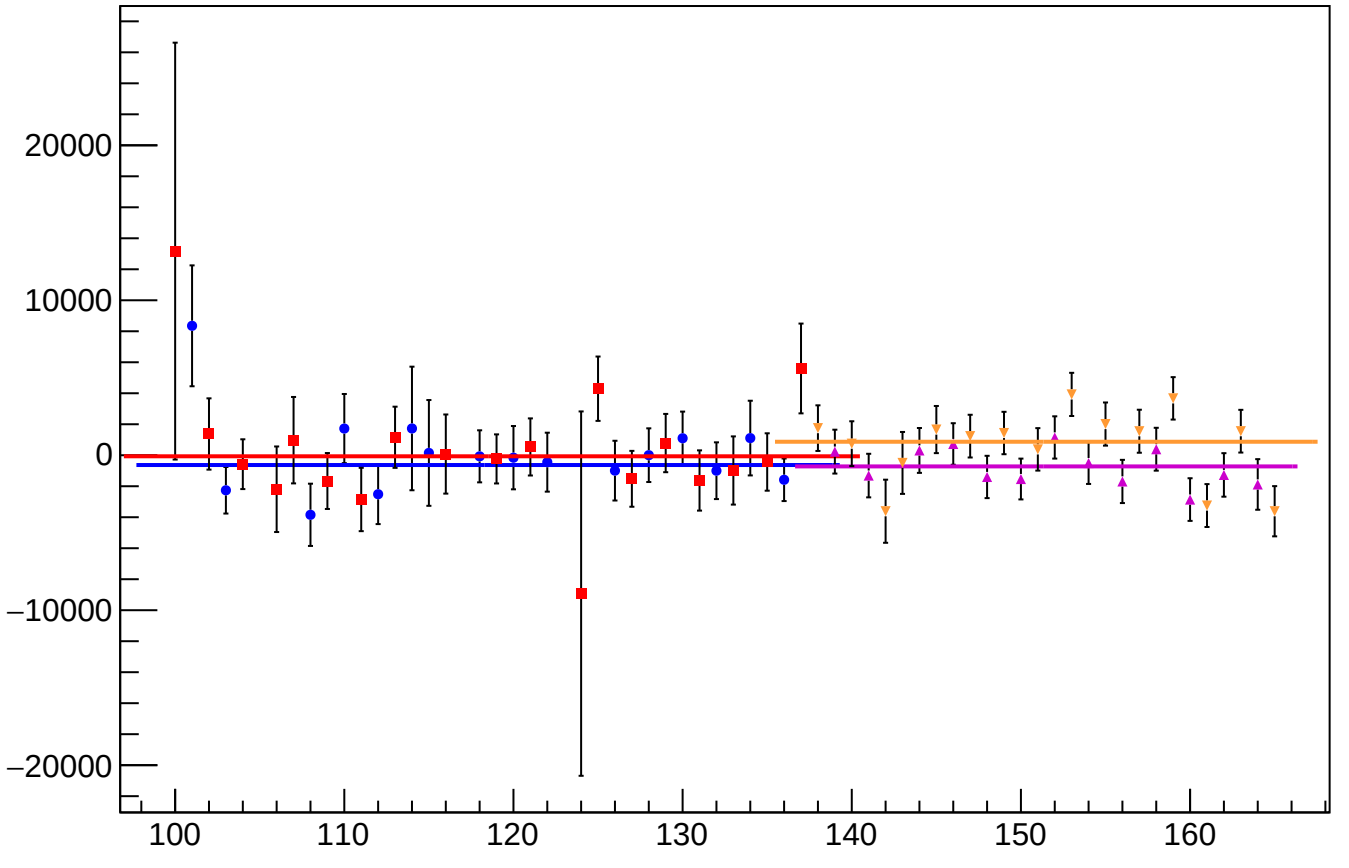
Left: 0.000+/-0.000 χ^2/NDF: 22482690.8/27

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2060150.4/28

Out: 0.000+/-0.000 χ^2/NDF:18228265.2/33

All: 0.000+/-0.000 χ^2/NDF: 34916273.8/62



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -720.669+/-386.715 χ^2/NDF:9.0/12

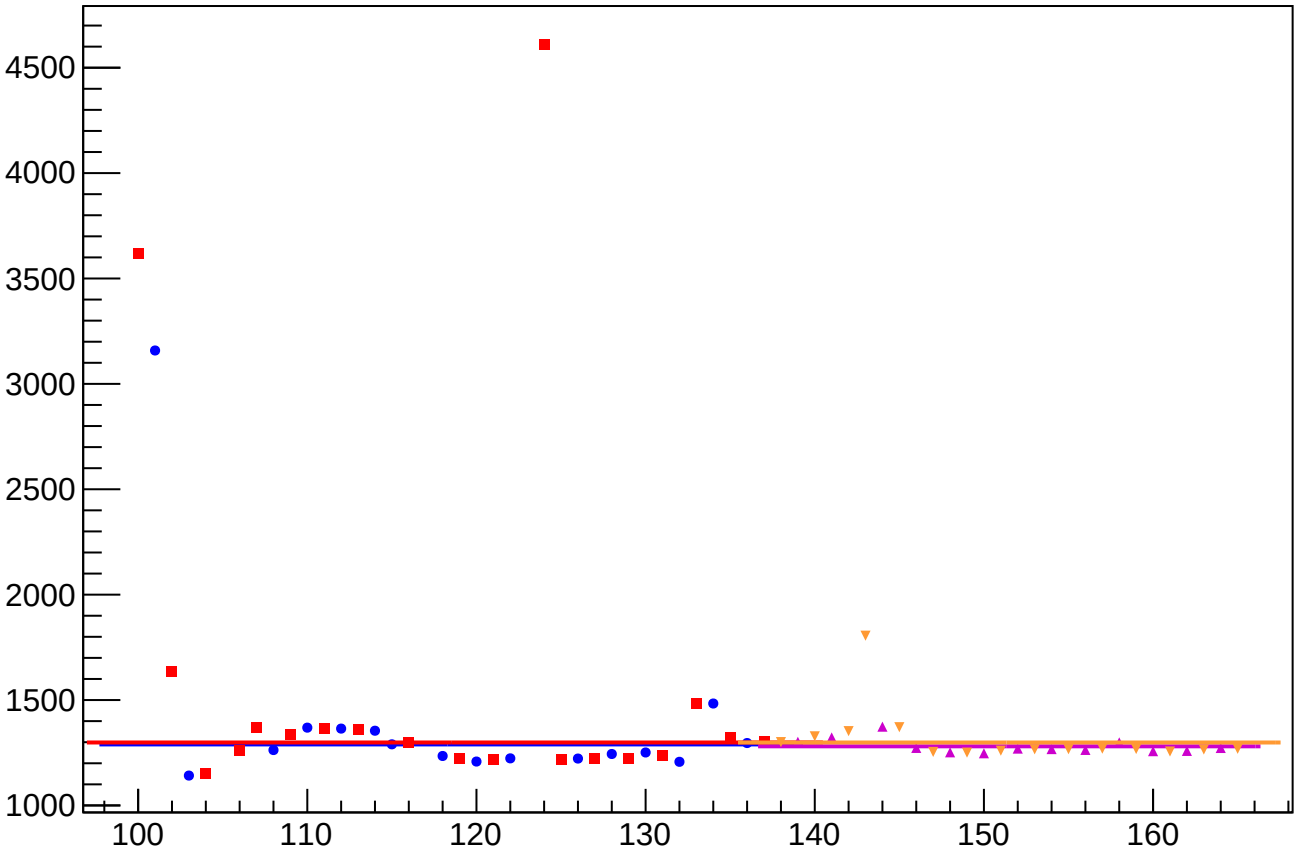
Left: 91.726+/-270.596 χ^2/NDF: 50.7/27

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -686.154+/-303.246 χ^2/NDF:23.0/28

Out: 517.950+/-299.160 χ^2/NDF:51.1/33

All: -75.936+/-212.968 χ^2/NDF: 82.1/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

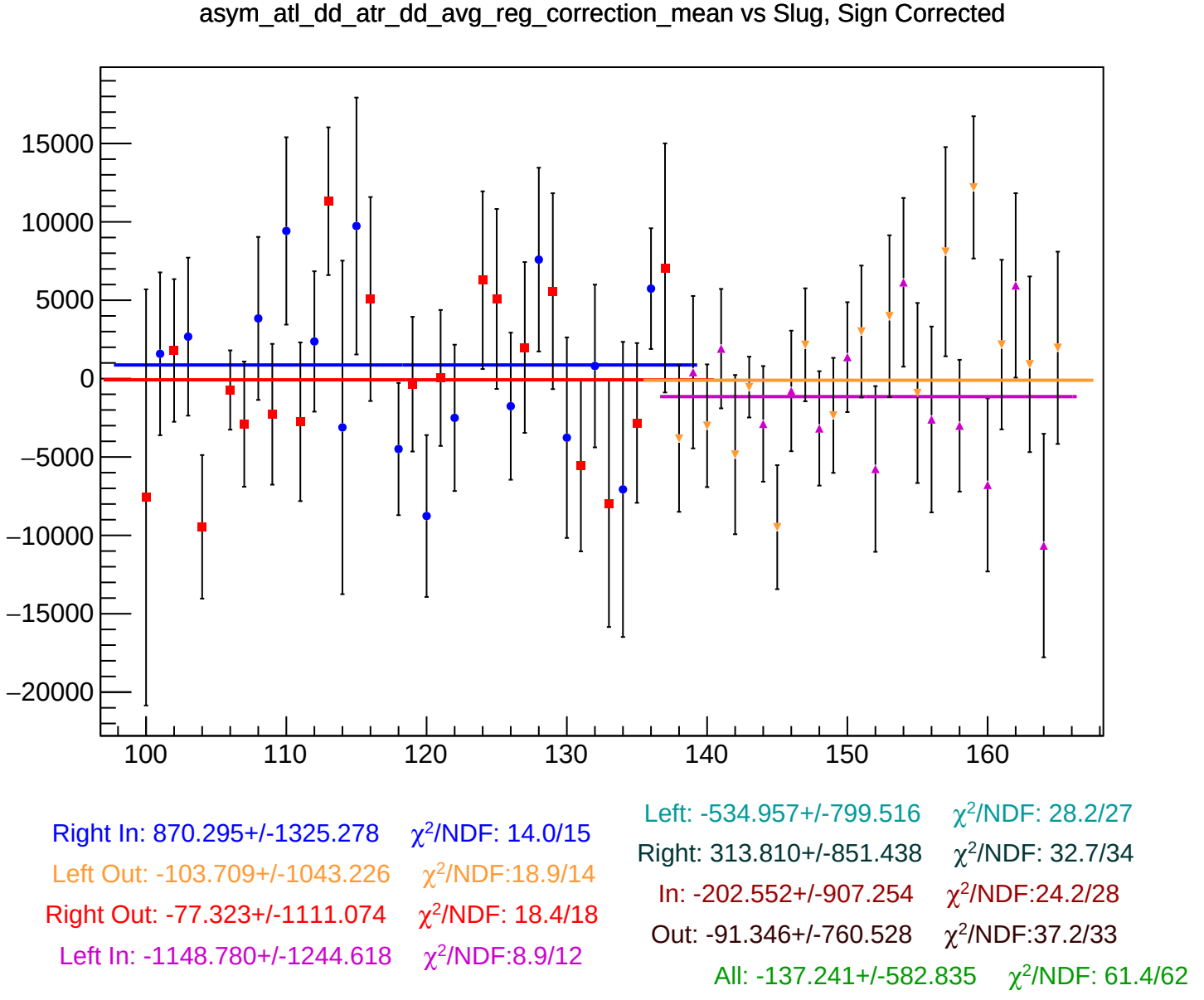
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

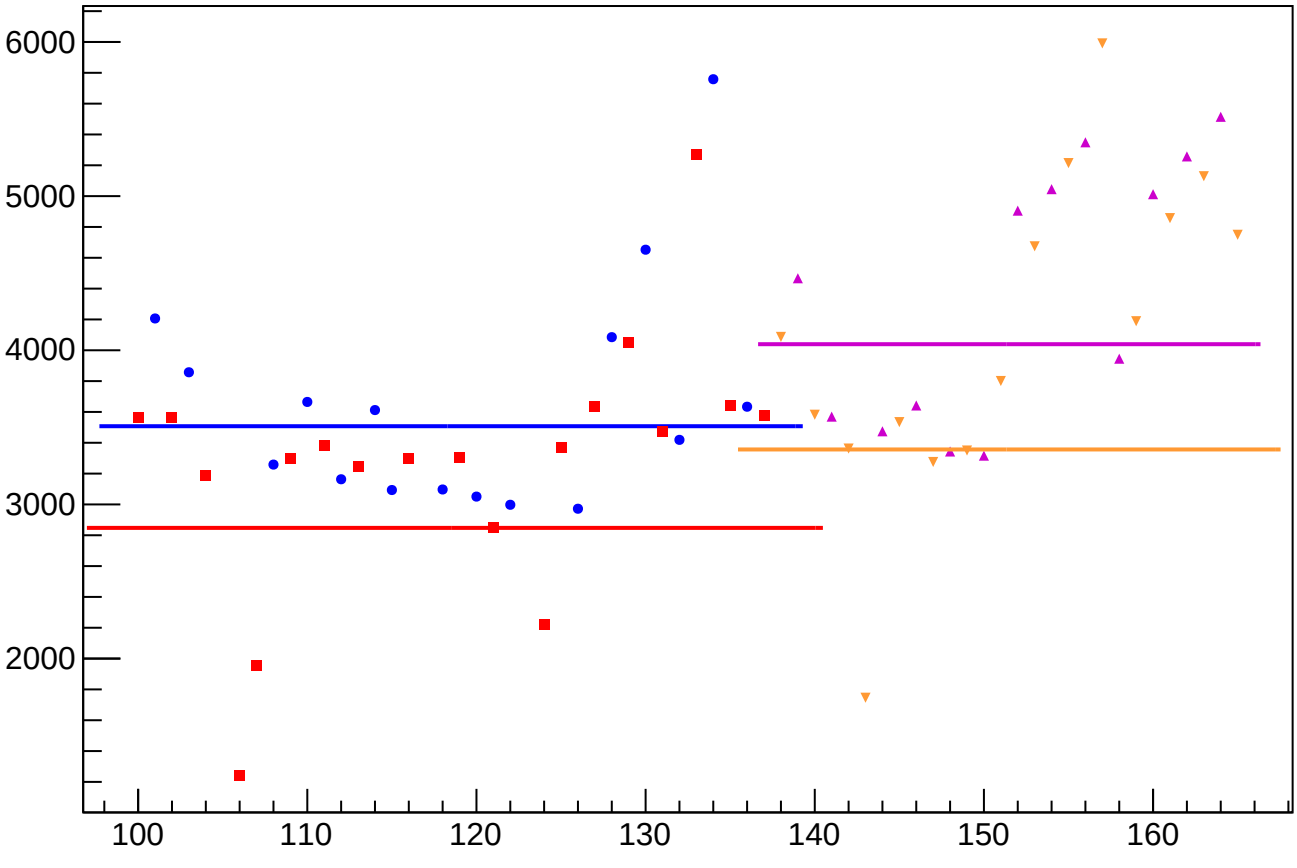
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

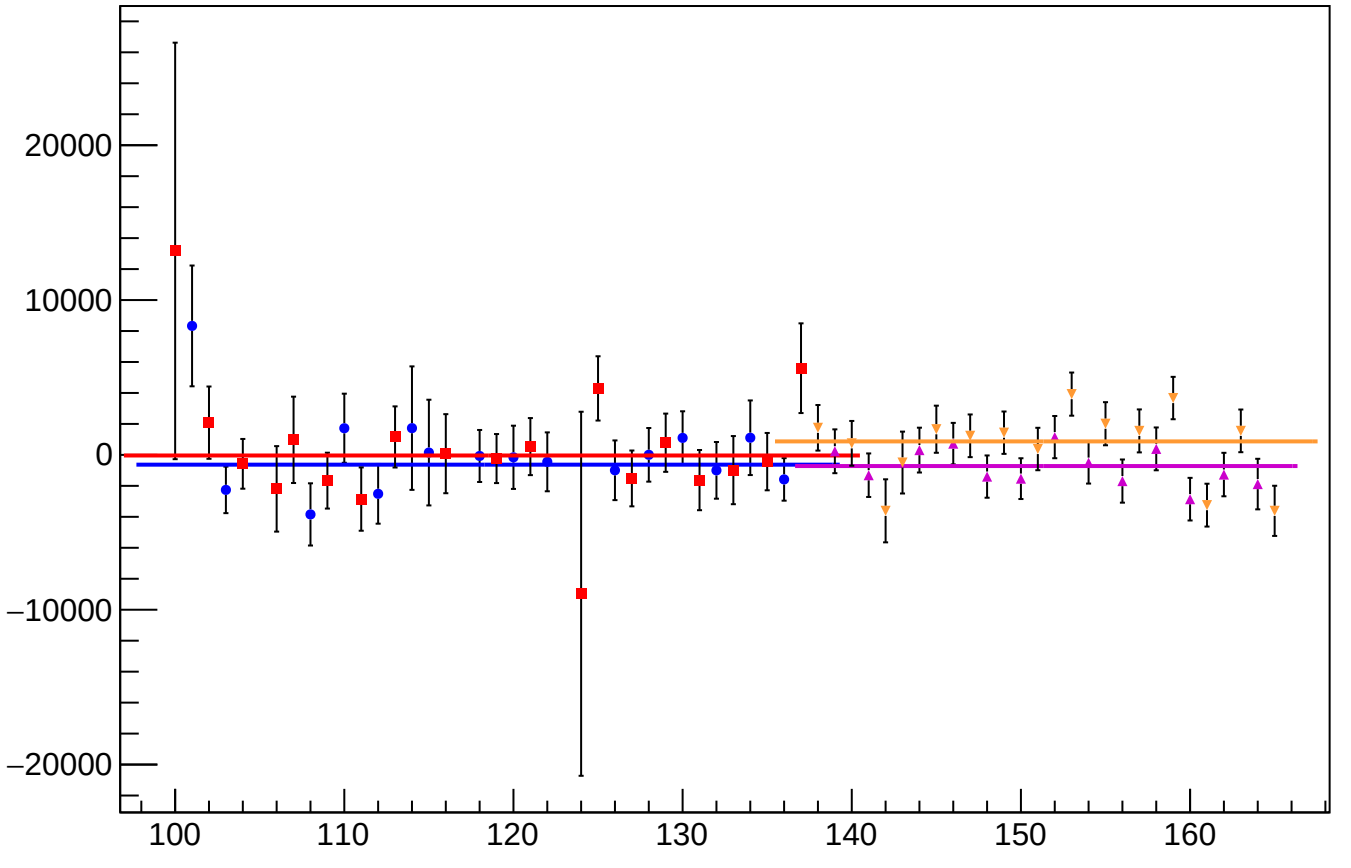
In: 1283.931+/-0.214 χ^2/NDF:529906.3/28

Out: 1298.606+/-0.211 χ^2/NDF:468746.5/33

All: 1291.375+/-0.151 χ^2/NDF: 1001028.9/62


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
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1148.780+/-1244.618 χ²/NDF:8.9/12
Left: -534.957+/-799.516 χ²/NDF: 28.2/27
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -202.552+/-907.254 χ²/NDF:24.2/28
Out: -91.346+/-760.528 χ²/NDF:37.2/33
All: -137.241+/-582.835 χ²/NDF: 61.4/62


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3356.570+/-0.738 χ²/NDF:2637283.8/14
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4039.434+/-0.880 χ²/NDF:727696.0/12
Left: 3638.354+/-0.565 χ²/NDF: 3718589.2/27
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3790.098+/-0.642 χ²/NDF:1252946.6/28
Out: 3118.208+/-0.538 χ²/NDF:4359502.7/33
All: 3395.496+/-0.412 χ²/NDF: 6256663.1/62



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

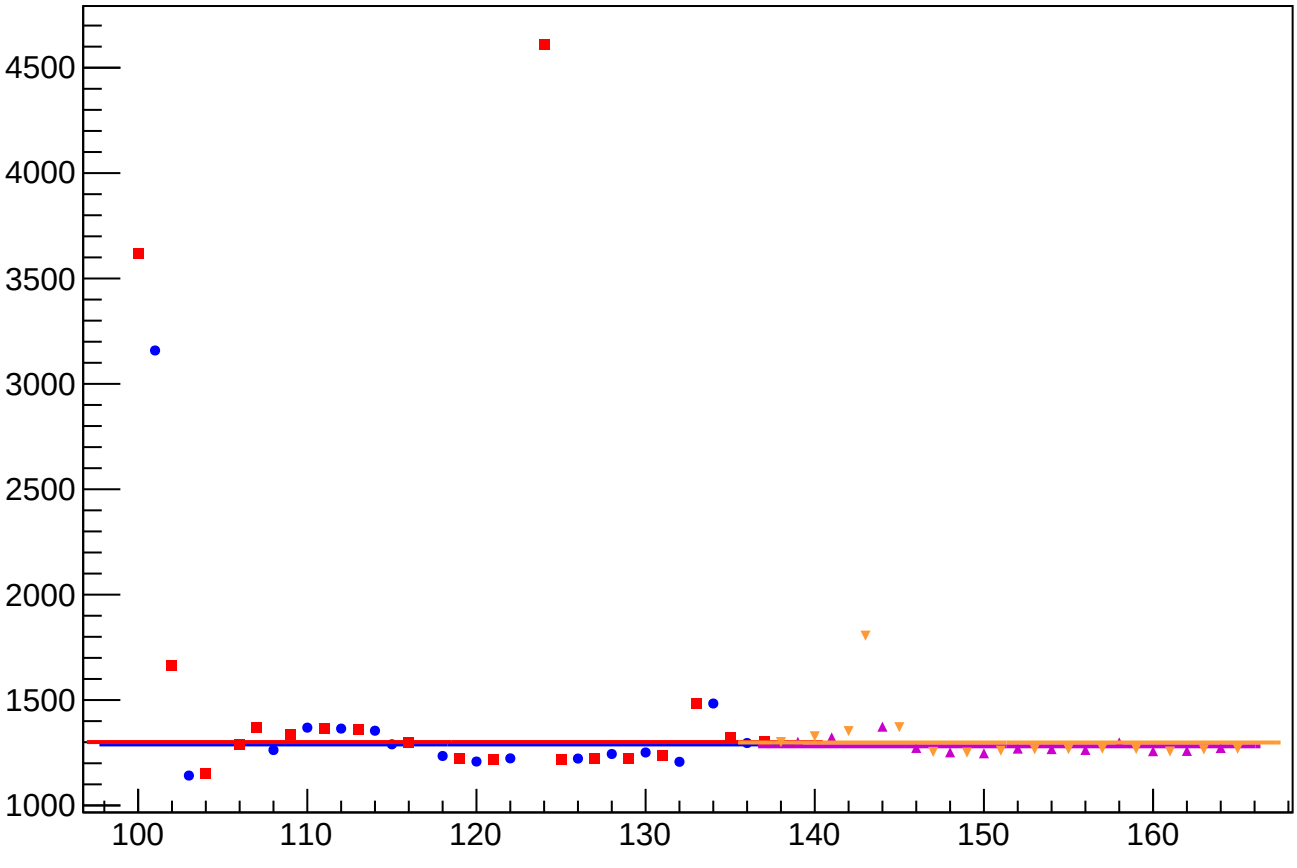
Left: 91.735+/-270.596 χ^2/NDF: 50.7/27

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -70.480+/-212.995 χ^2/NDF: 82.5/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

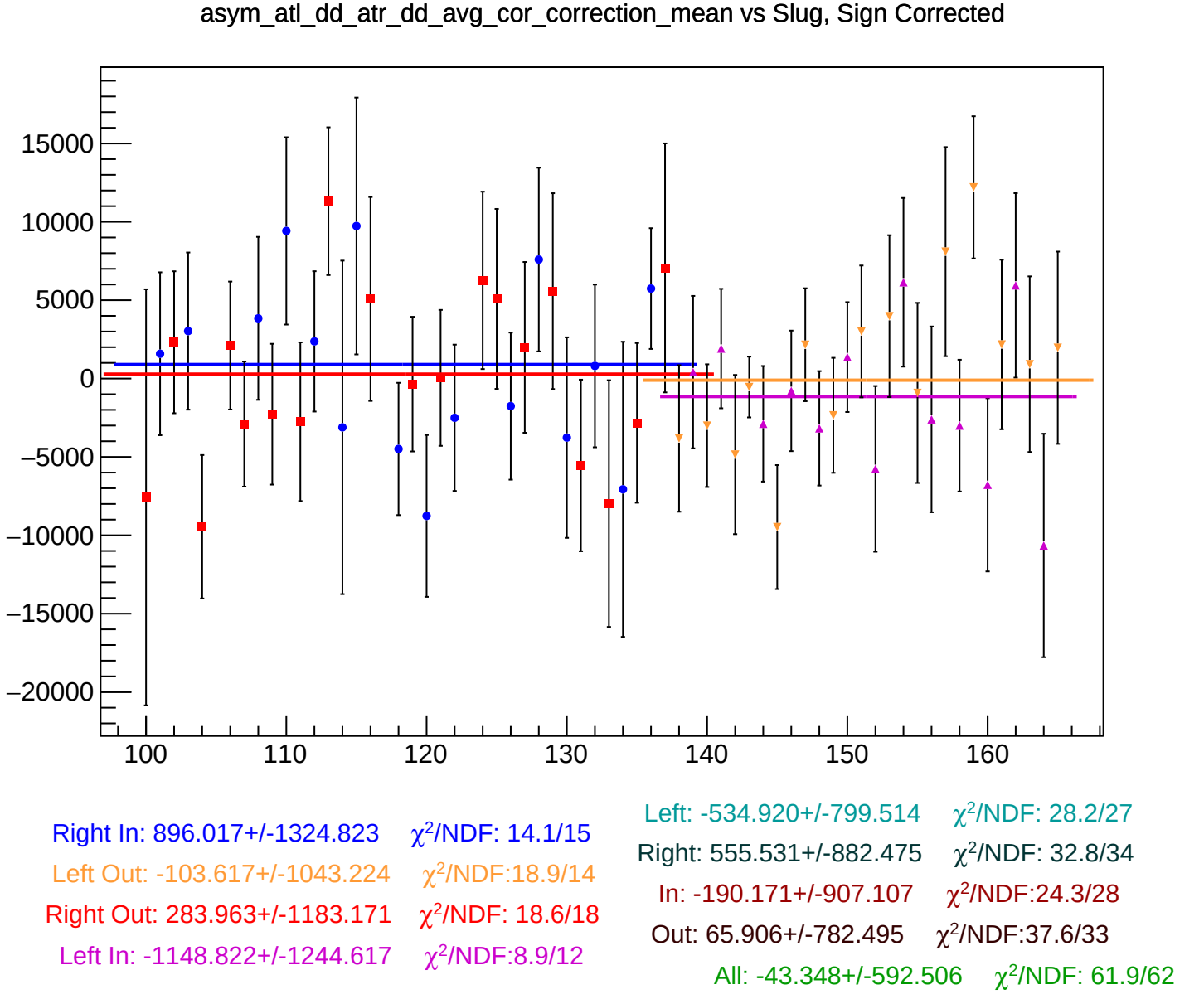
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

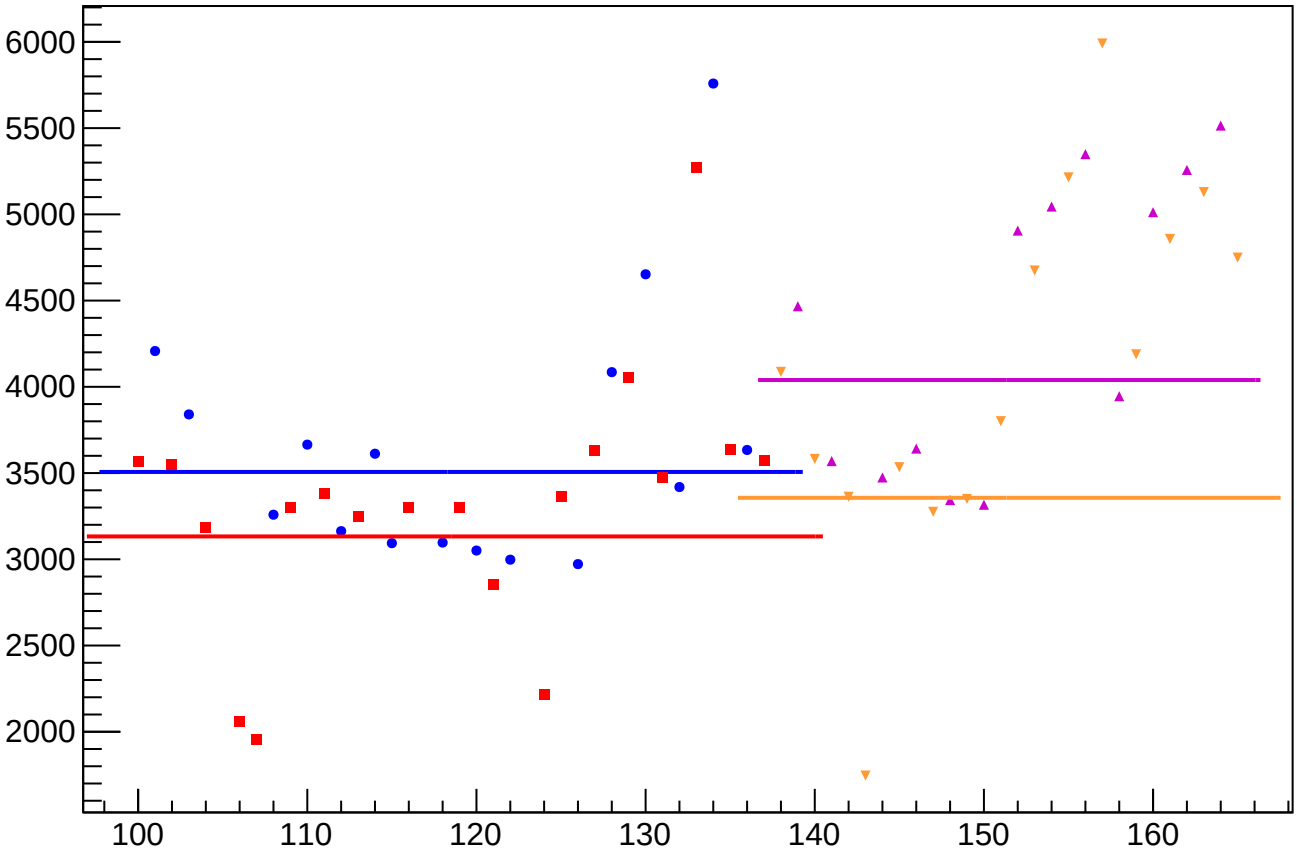
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -534.920+/-799.514 χ²/NDF: 28.2/27
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -43.348+/-592.506 χ²/NDF: 61.9/62



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

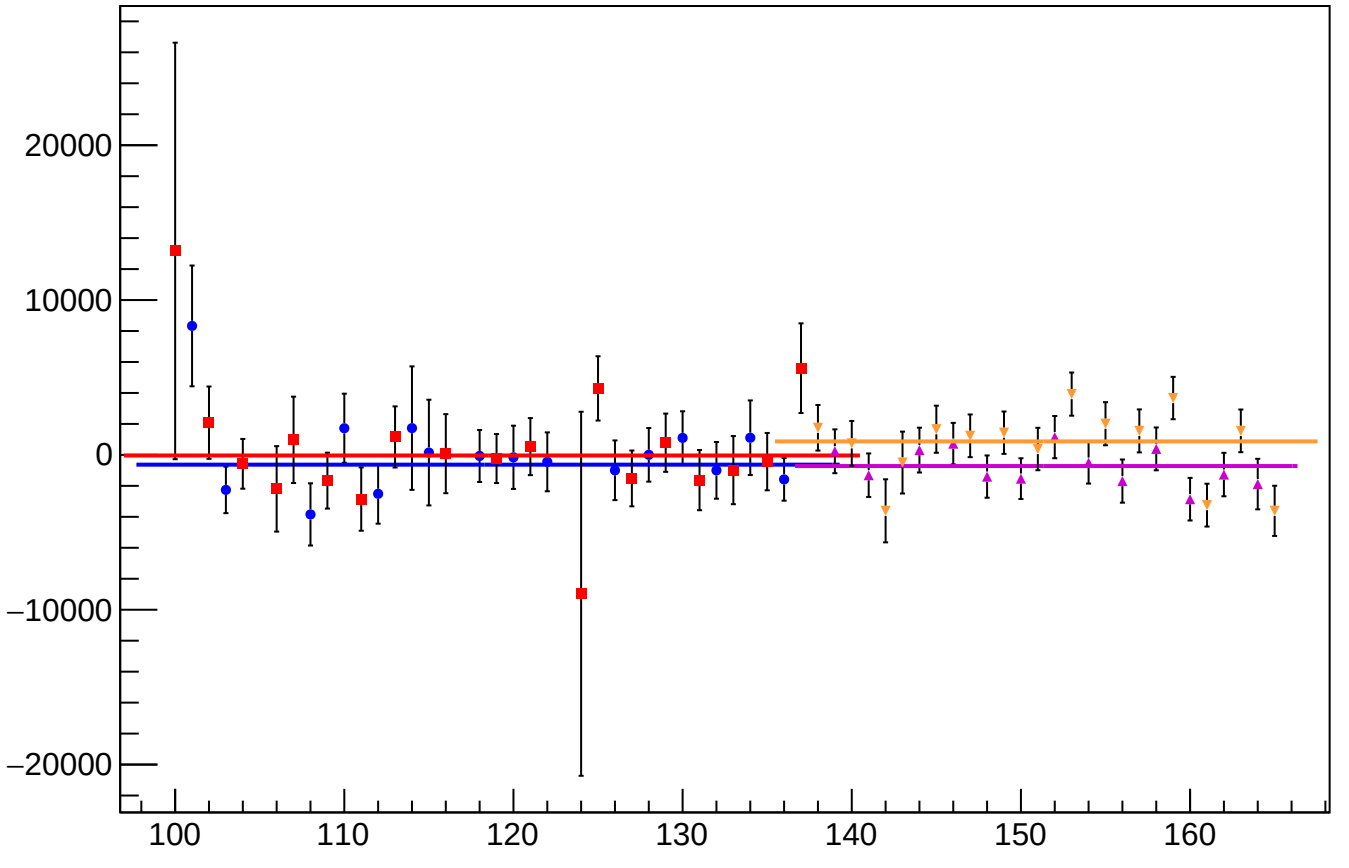
Left: 3638.345+/-0.565 χ^2/NDF: 3718621.0/27

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

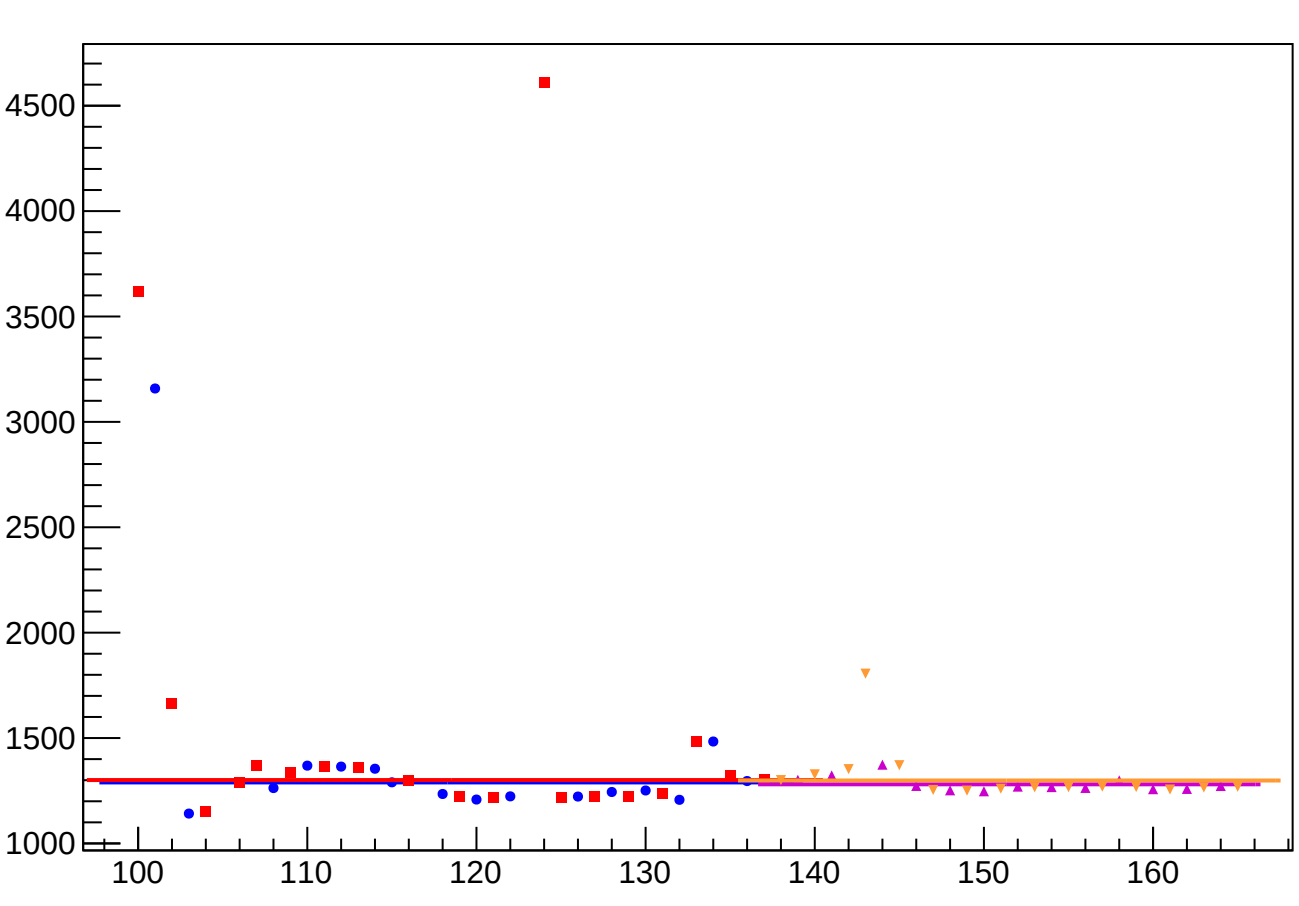
Left: 91.735+/-270.596 χ^2/NDF: 50.7/27

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -70.480+/-212.995 χ^2/NDF: 82.5/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

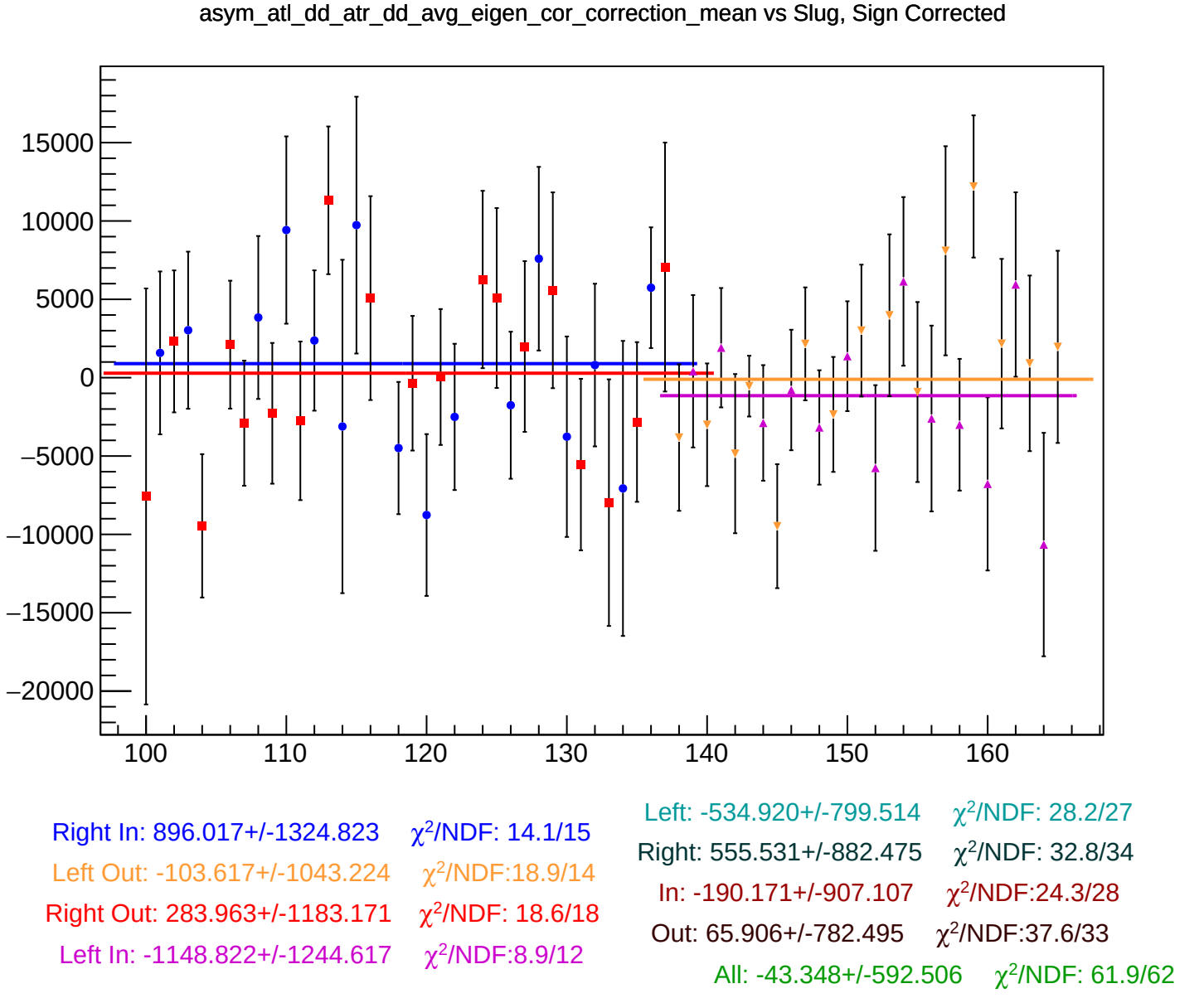
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

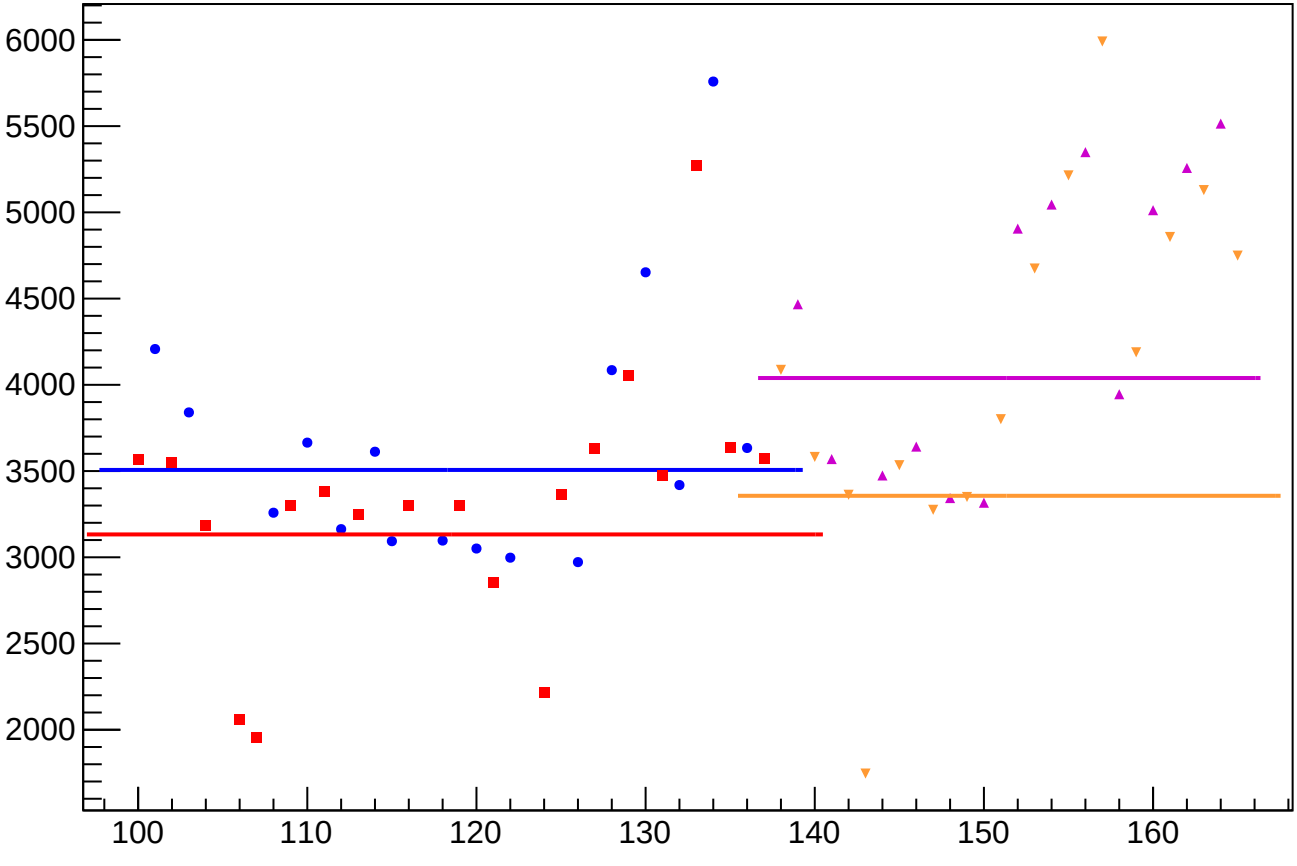
In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -534.920+/-799.514 χ²/NDF: 28.2/27
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -43.348+/-592.506 χ²/NDF: 61.9/62

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

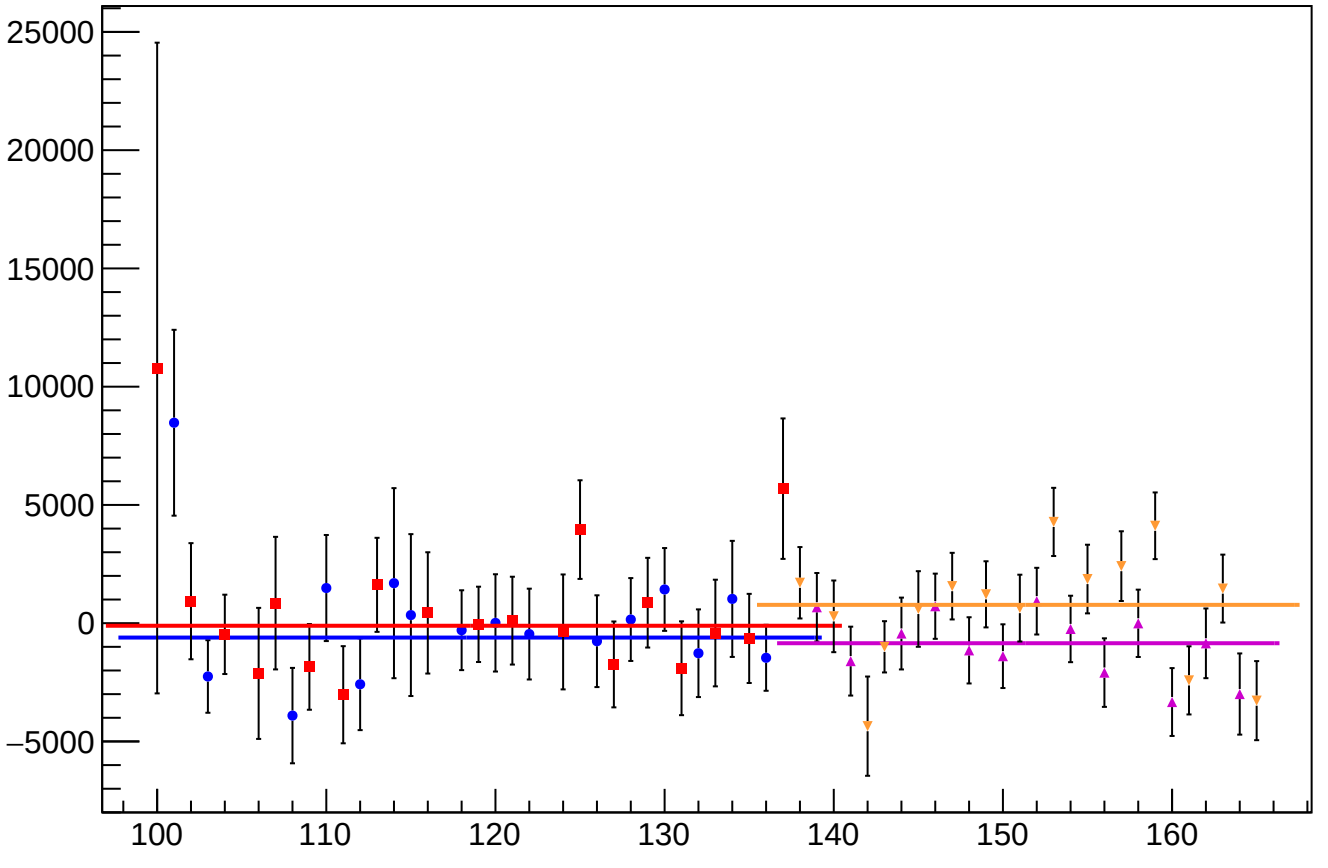
Left: 3638.345+/-0.565 χ^2/NDF: 3718621.0/27

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -847.227+/-400.519 χ^2/NDF:10.4/12

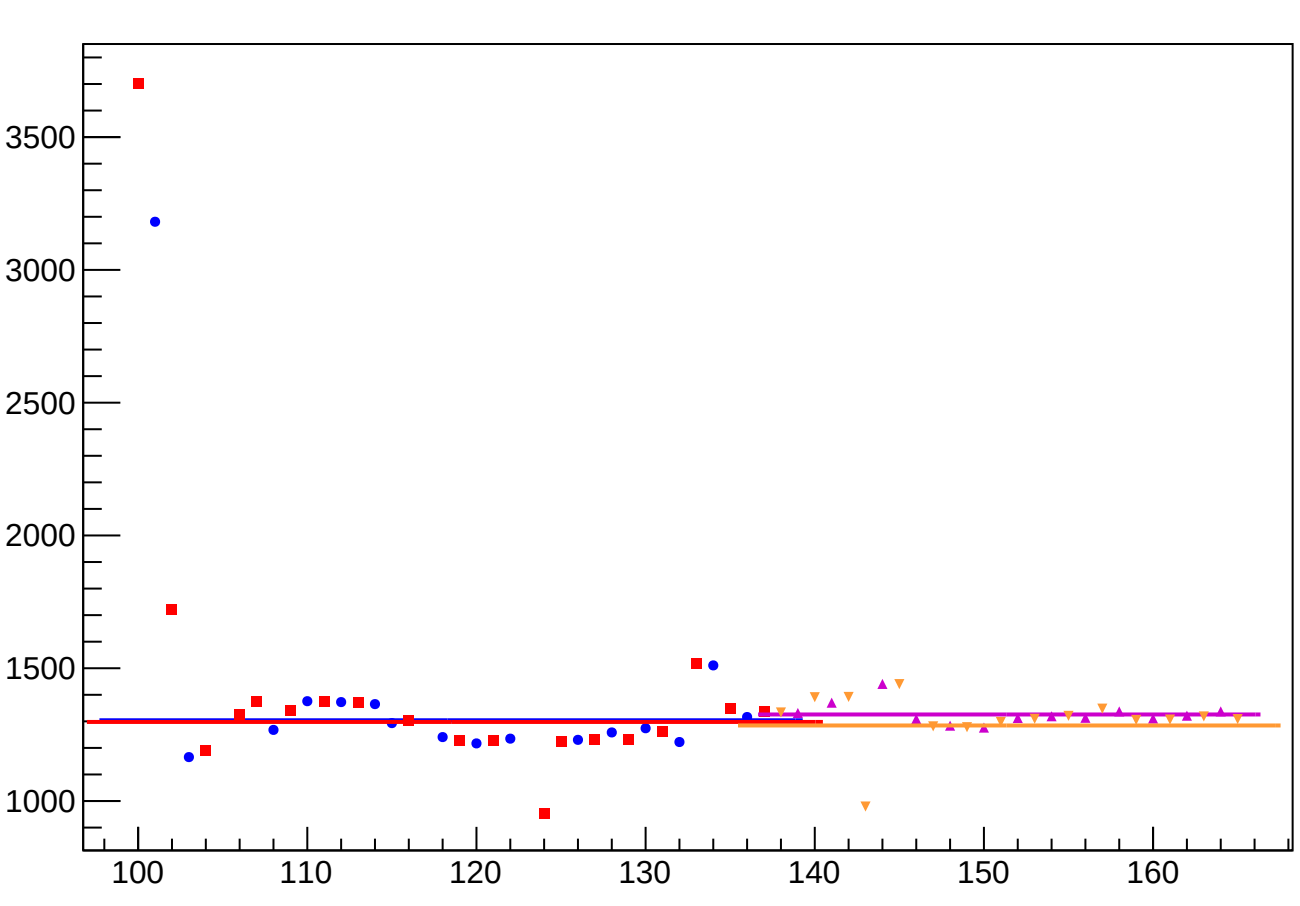
Left: 16.882+/-273.798 χ^2/NDF: 53.0/27

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -752.319+/-311.157 χ^2/NDF:24.6/28

Out: 444.684+/-296.862 χ^2/NDF:50.9/33

All: -125.689+/-214.789 χ^2/NDF: 83.3/62



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

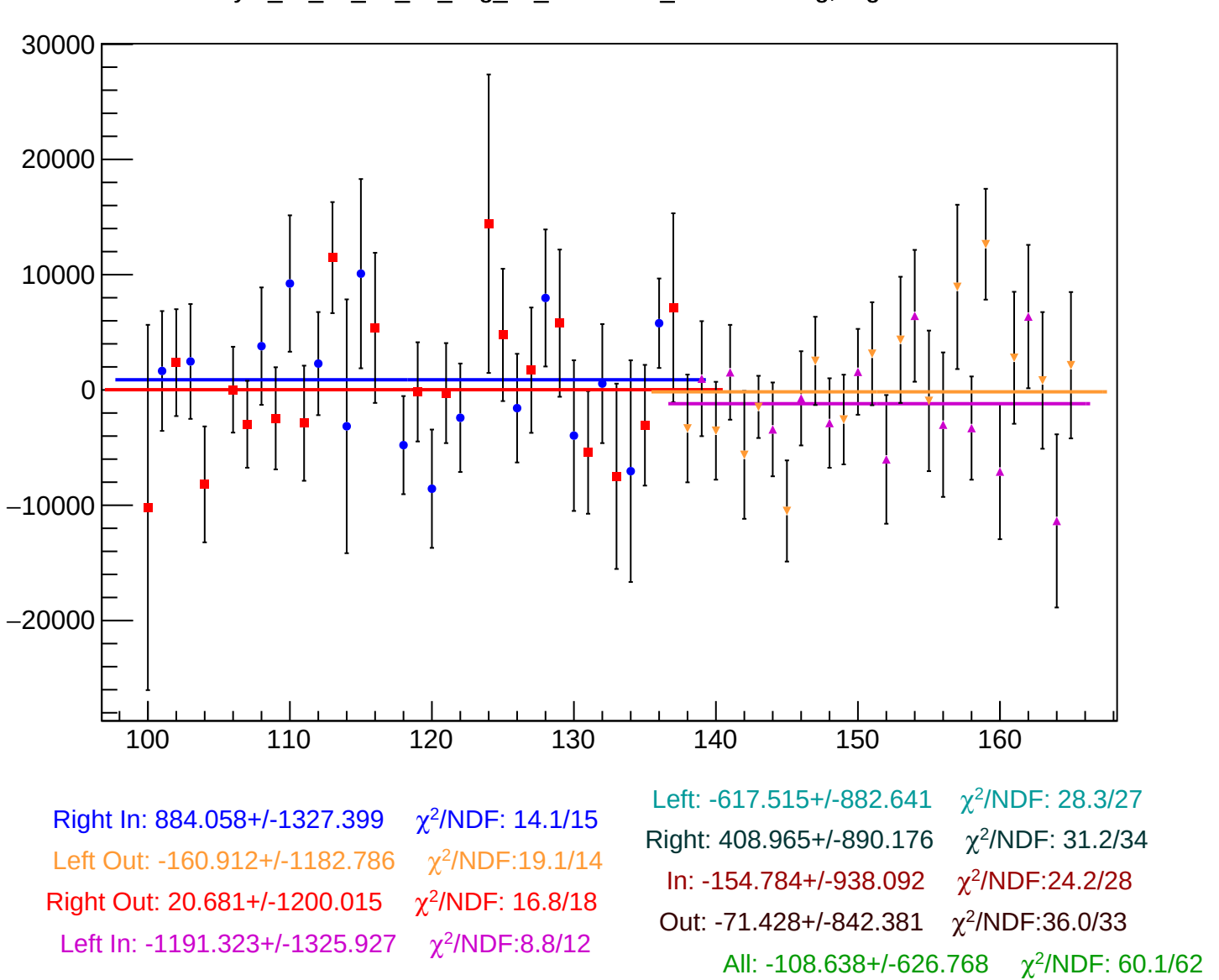
Left: 1303.864+/-0.194 χ^2/NDF: 233461.9/27

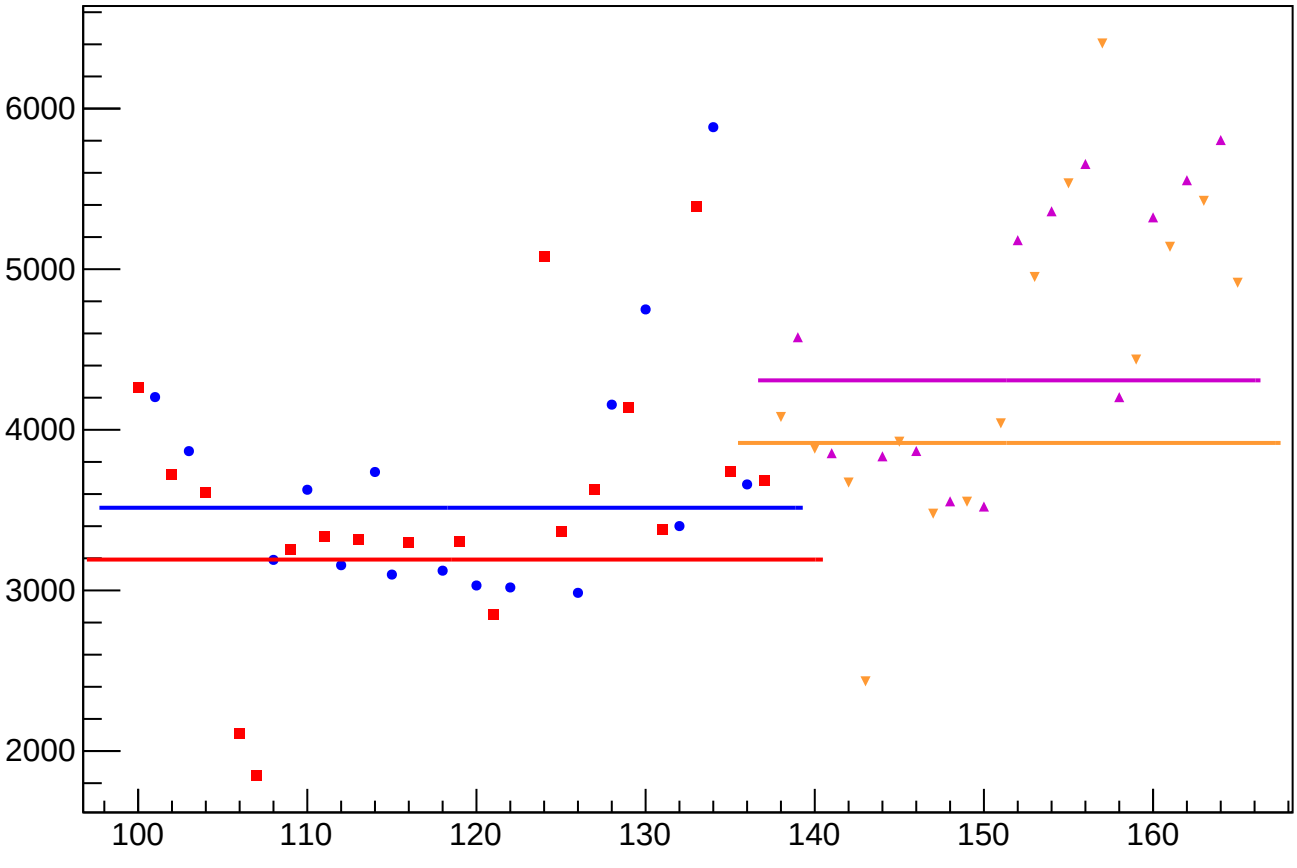
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.278+/-0.220 χ^2/NDF:531960.9/28

Out: 1289.477+/-0.210 χ^2/NDF:417083.4/33

All: 1302.720+/-0.152 χ^2/NDF: 957404.8/62


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -160.912+/-1182.786 χ²/NDF:19.1/14
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1191.323+/-1325.927 χ²/NDF:8.8/12
Left: -617.515+/-882.641 χ²/NDF: 28.3/27
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -154.784+/-938.092 χ²/NDF:24.2/28
Out: -71.428+/-842.381 χ²/NDF:36.0/33
All: -108.638+/-626.768 χ²/NDF: 60.1/62



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

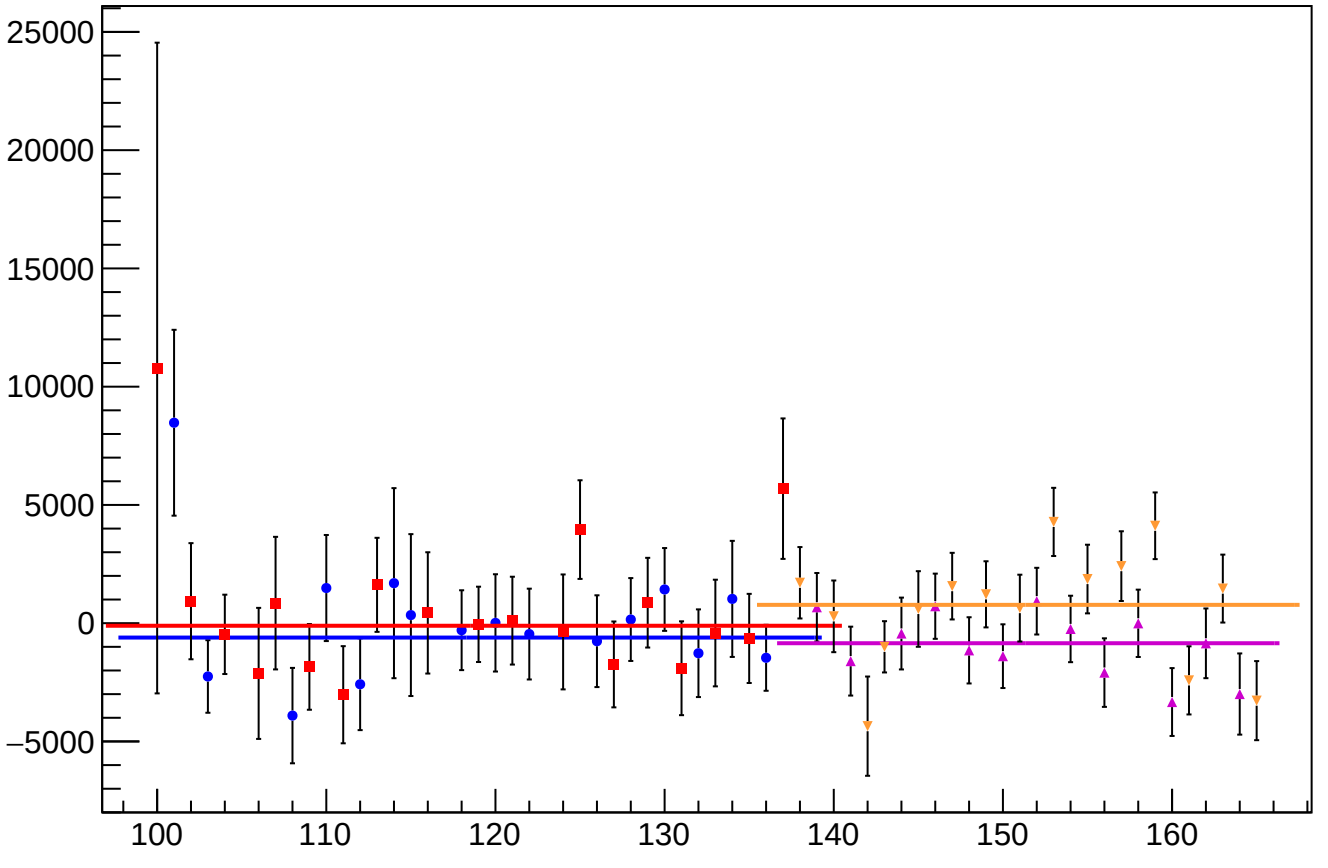
Left: 4090.960+/-0.624 χ^2/NDF: 2176952.5/27

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3911.771+/-0.663 χ^2/NDF:1406956.8/28

Out: 3560.511+/-0.596 χ^2/NDF:2550288.0/33

All: 3717.313+/-0.443 χ^2/NDF: 4112480.8/62



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -847.228+/-400.519 χ^2/NDF:10.4/12

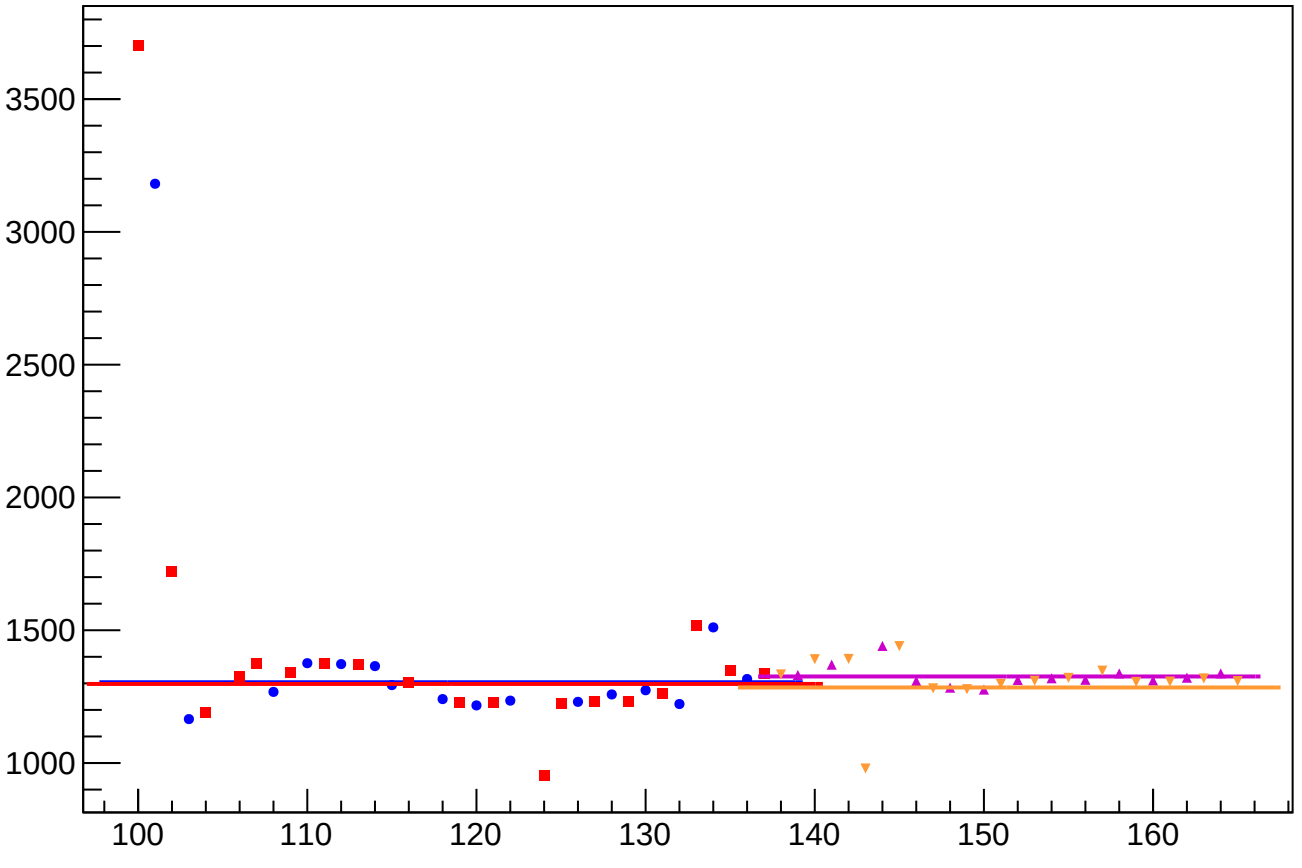
Left: 16.885+/-273.798 χ^2/NDF: 53.0/27

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -752.321+/-311.158 χ^2/NDF:24.6/28

Out: 444.686+/-296.862 χ^2/NDF:50.9/33

All: -125.689+/-214.789 χ^2/NDF: 83.3/62



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

Left: 1303.866+/-0.194 χ^2/NDF: 233462.7/27

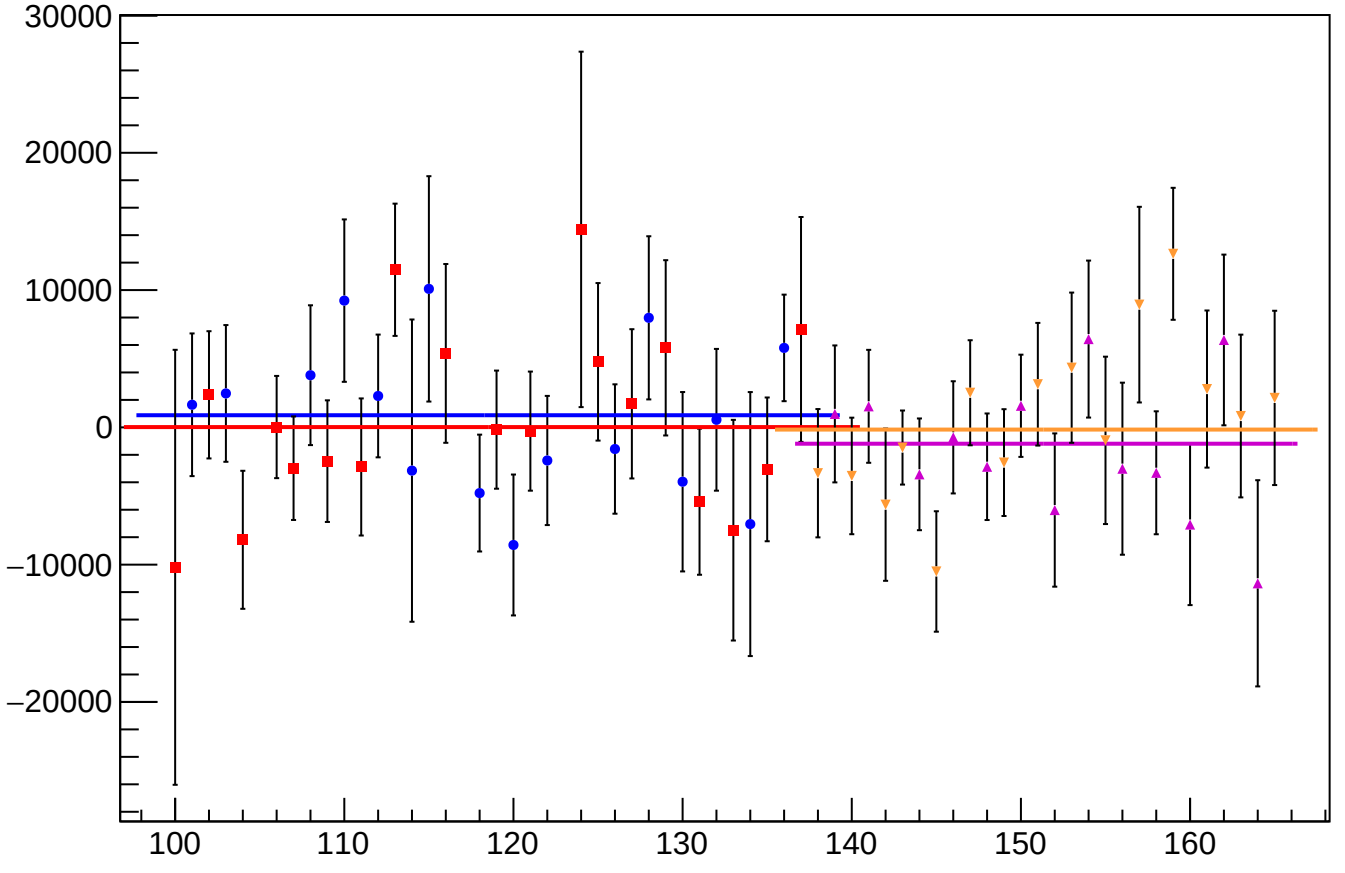
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1317.279+/-0.220 χ^2/NDF:531961.4/28

Out: 1289.478+/-0.210 χ^2/NDF:417084.1/33

All: 1302.721+/-0.152 χ^2/NDF: 957405.9/62

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -160.908+/-1182.788 χ^2/NDF:19.1/14

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1191.322+/-1325.929 χ^2/NDF:8.8/12

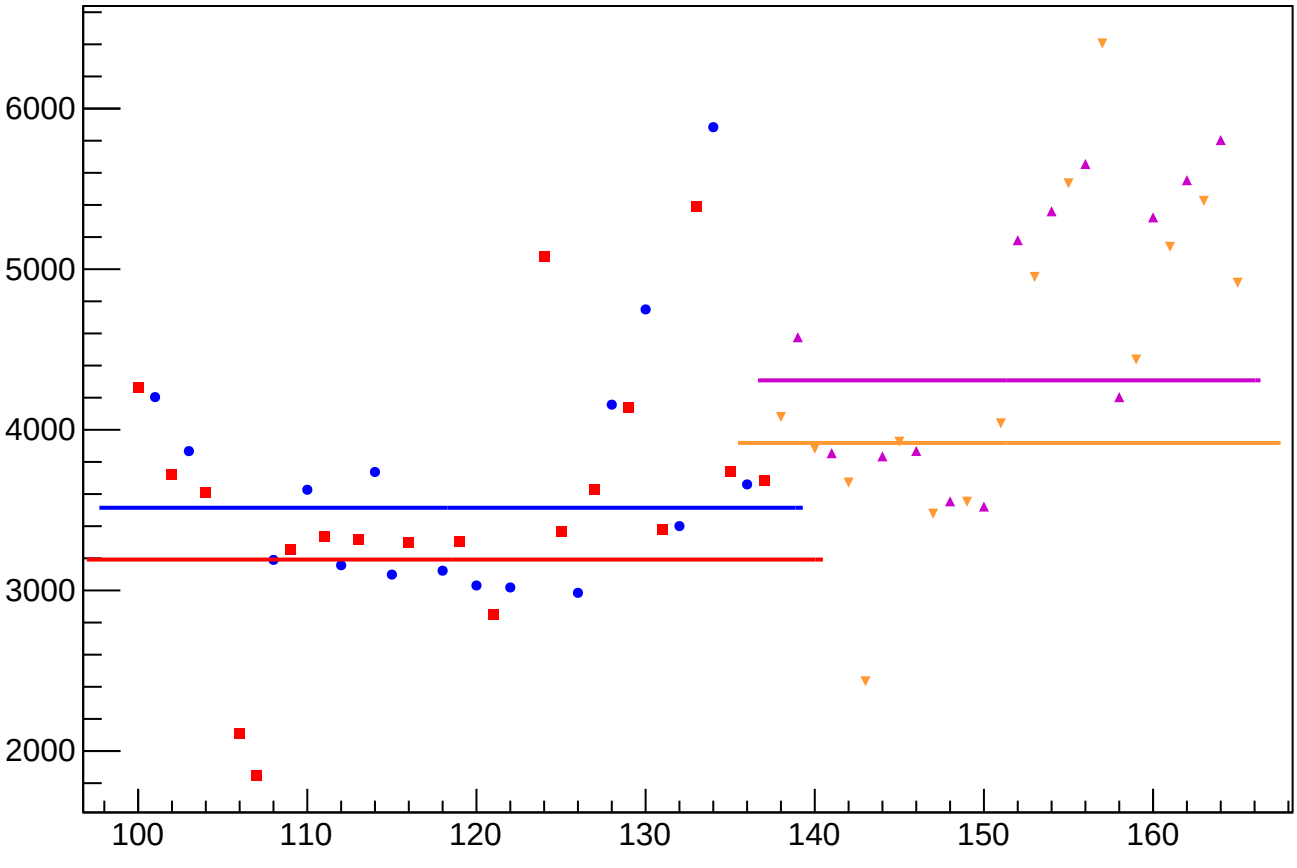
Left: -617.513+/-882.642 χ^2/NDF: 28.3/27

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -154.785+/-938.091 χ^2/NDF:24.2/28

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -108.638+/-626.768 χ^2/NDF: 60.1/62



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

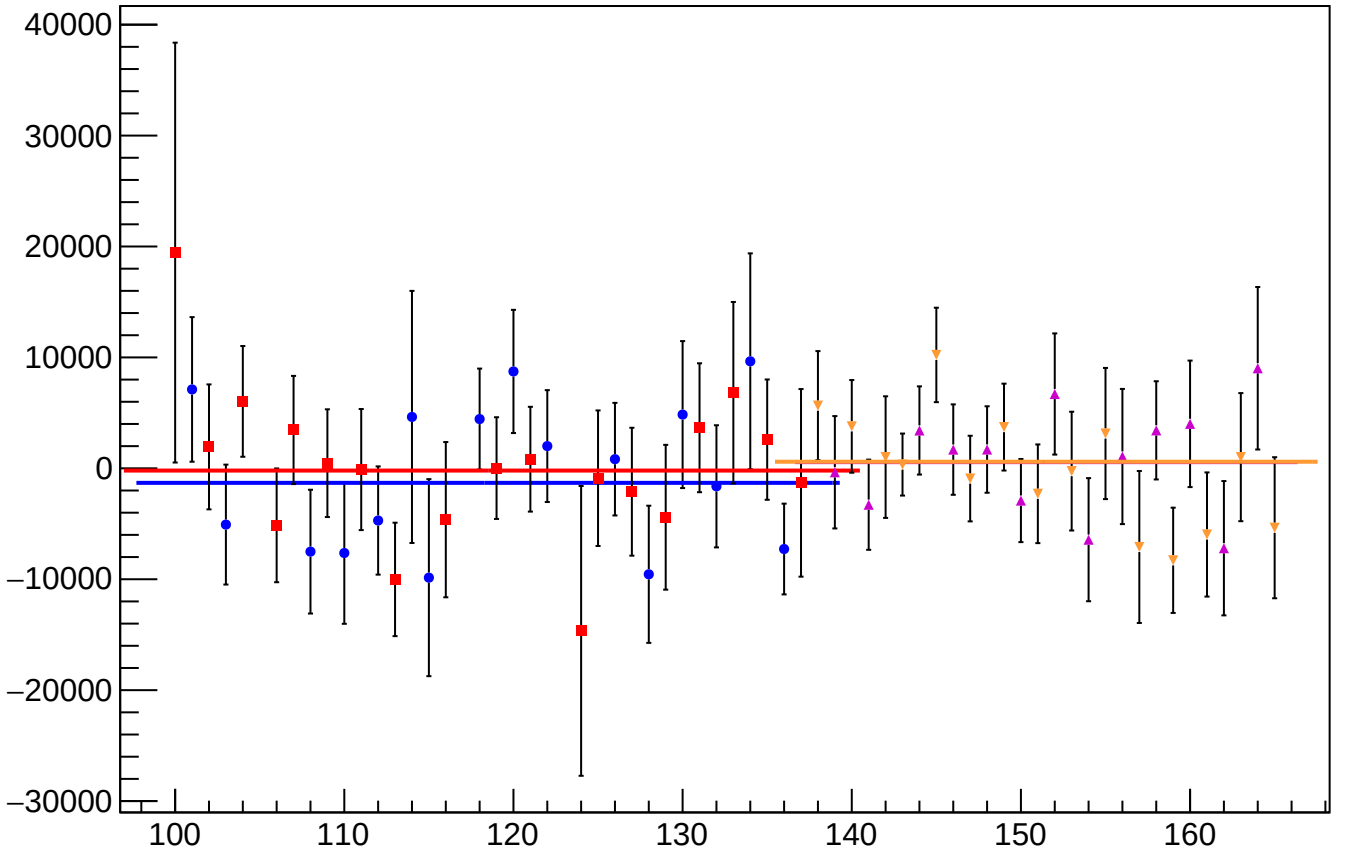
Left: 4090.966+/-0.624 χ^2/NDF: 2176955.8/27

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3911.768+/-0.663 χ^2/NDF:1406976.5/28

Out: 3560.509+/-0.596 χ^2/NDF:2550306.2/33

All: 3717.311+/-0.443 χ^2/NDF: 4112518.2/62



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 558.248+/-1312.498 χ^2/NDF:9.1/12

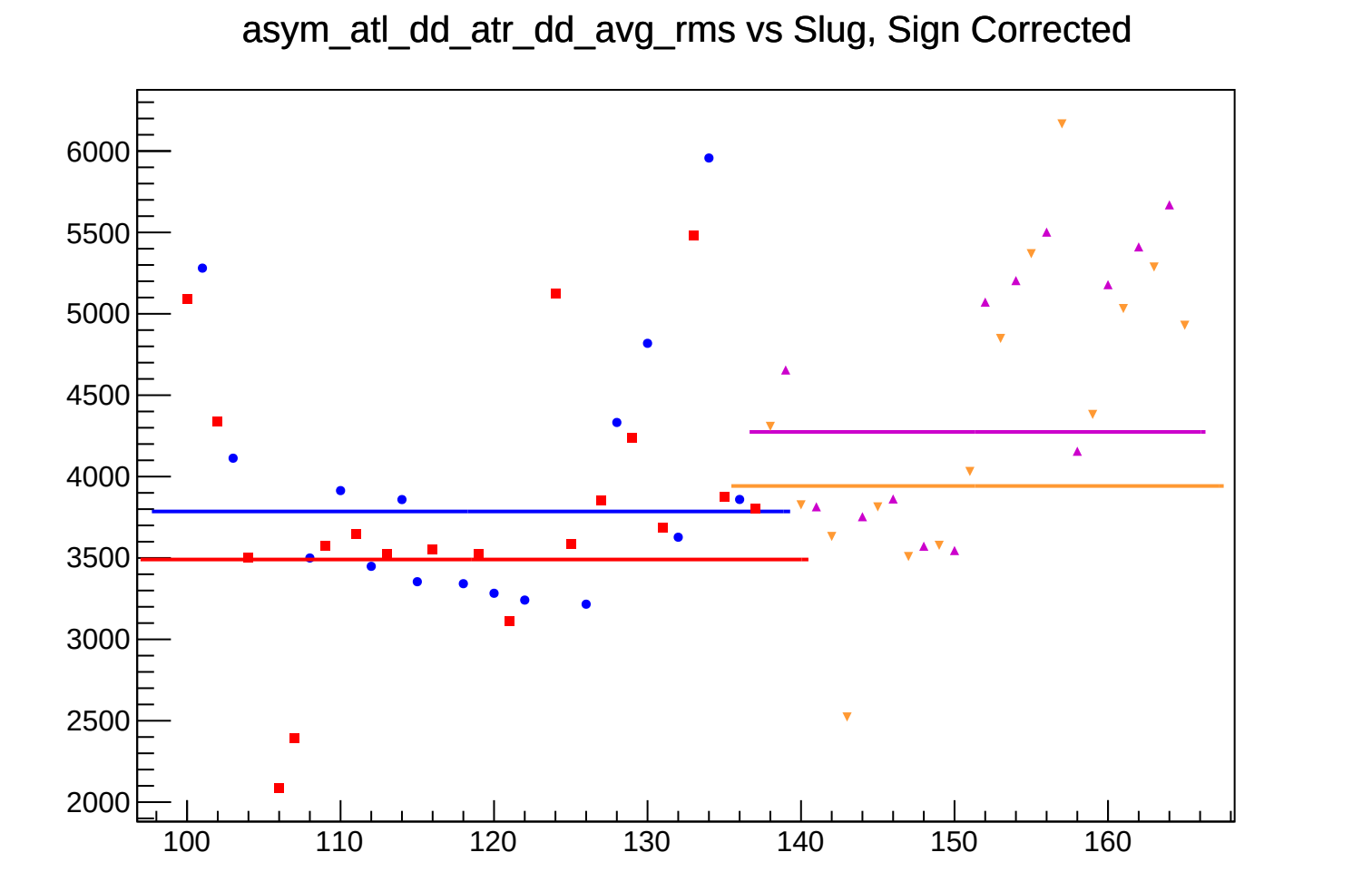
Left: 578.332+/-879.001 χ^2/NDF: 24.3/27

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -294.628+/-967.454 χ^2/NDF:27.6/28

Out: 244.524+/-885.975 χ^2/NDF:27.1/33

All: -1.396+/-653.389 χ^2/NDF: 54.8/62



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

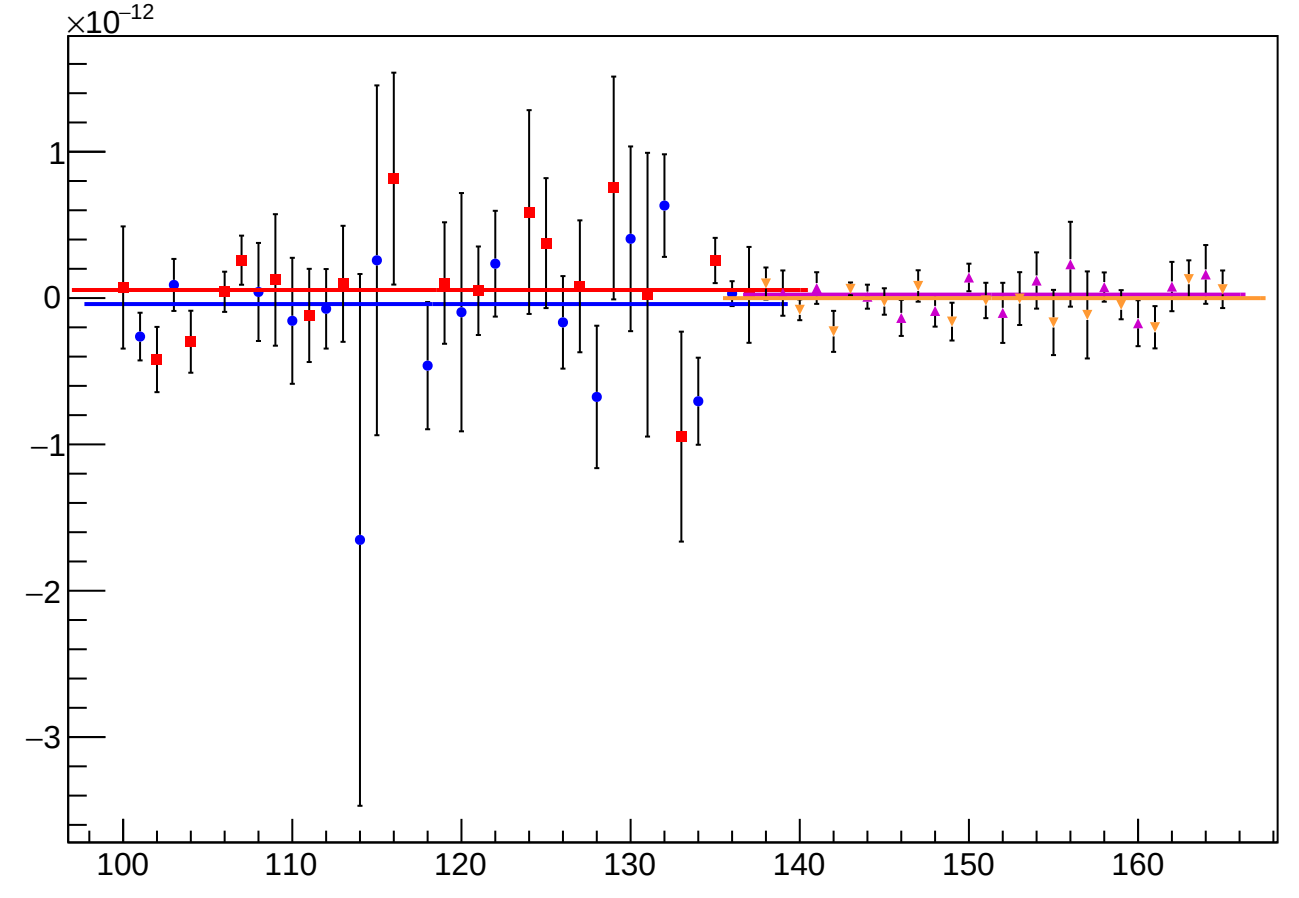
Left: 4091.210+/-0.622 χ^2/NDF: 1891820.4/27

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4051.247+/-0.684 χ^2/NDF:1116425.5/28

Out: 3740.583+/-0.623 χ^2/NDF:1931051.6/33

All: 3881.348+/-0.460 χ^2/NDF: 3160263.4/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

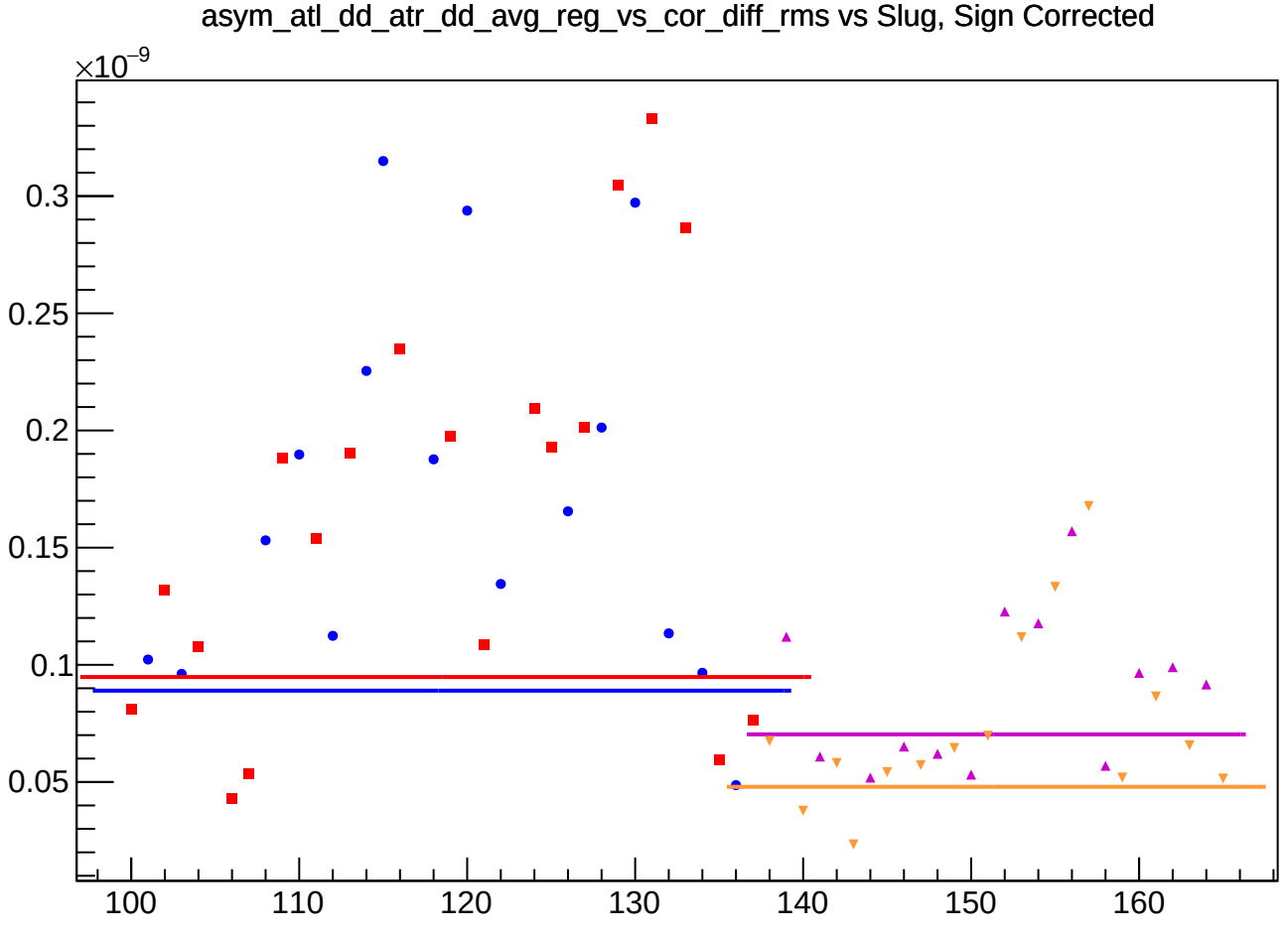
Left: 0.000+/-0.000 χ^2/NDF: 21.4/27

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.6/33

All: 0.000+/-0.000 χ^2/NDF: 55.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3389411.3/27

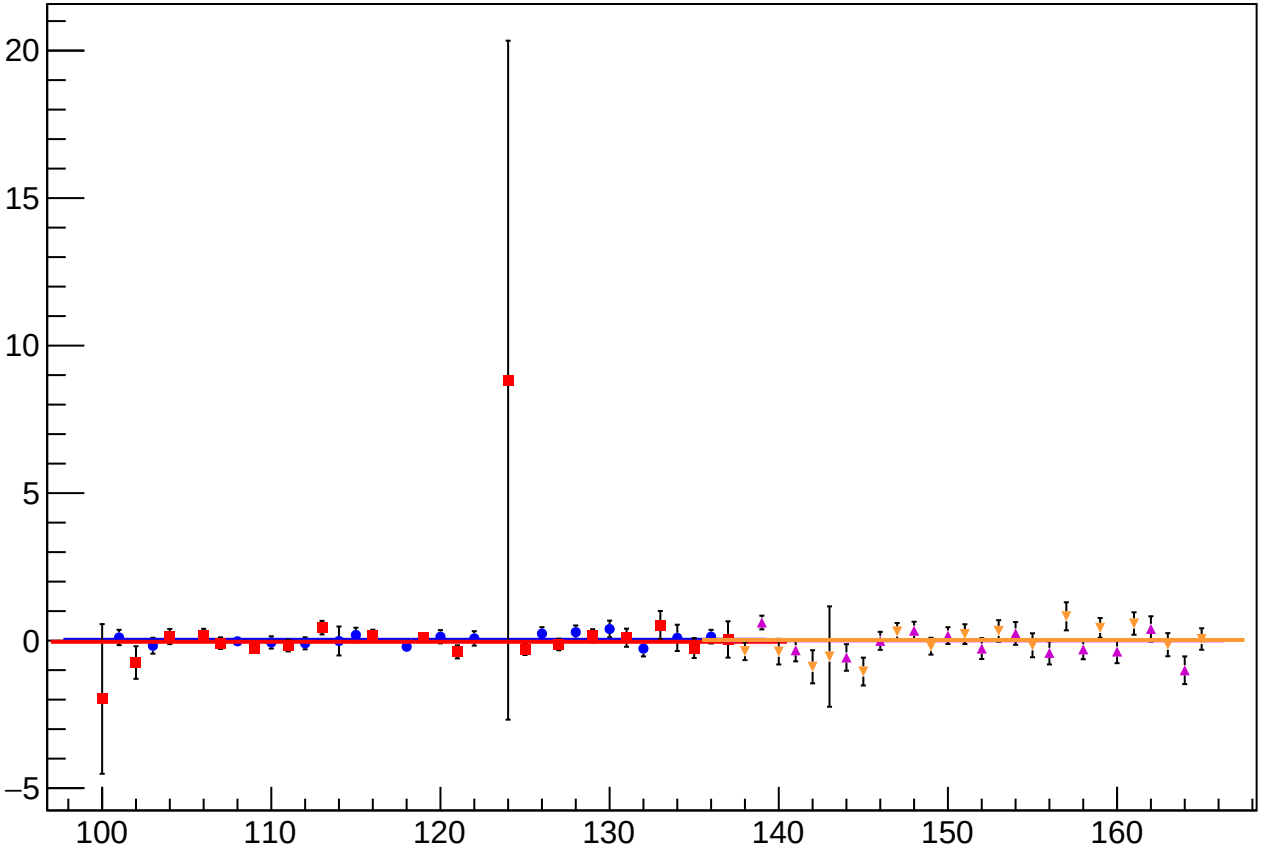
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2553869.1/28

Out: 0.000+/-0.000 χ^2/NDF:4574503.5/33

All: 0.000+/-0.000 χ^2/NDF: 7712705.1/62

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

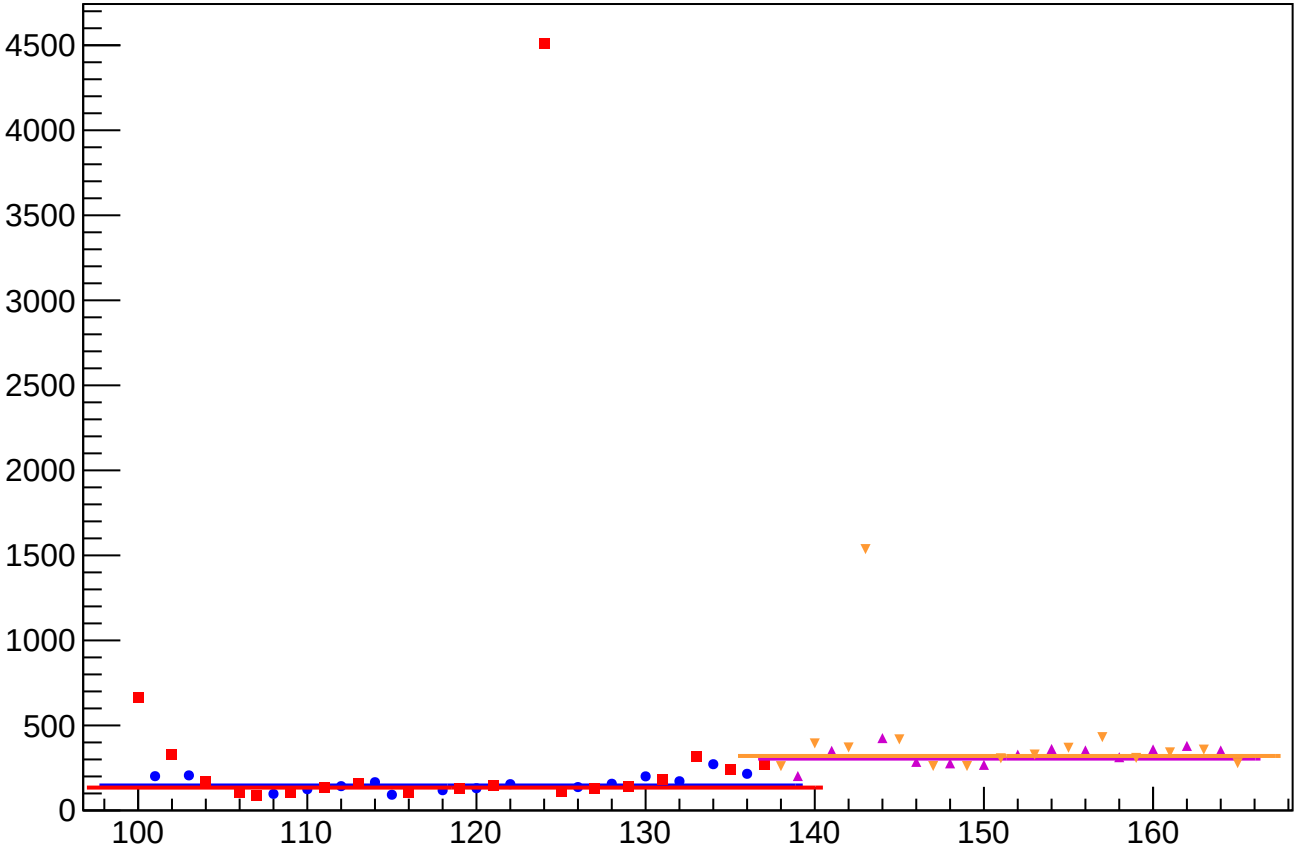
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 312.487+/-0.048 χ^2/NDF: 2473499.4/27

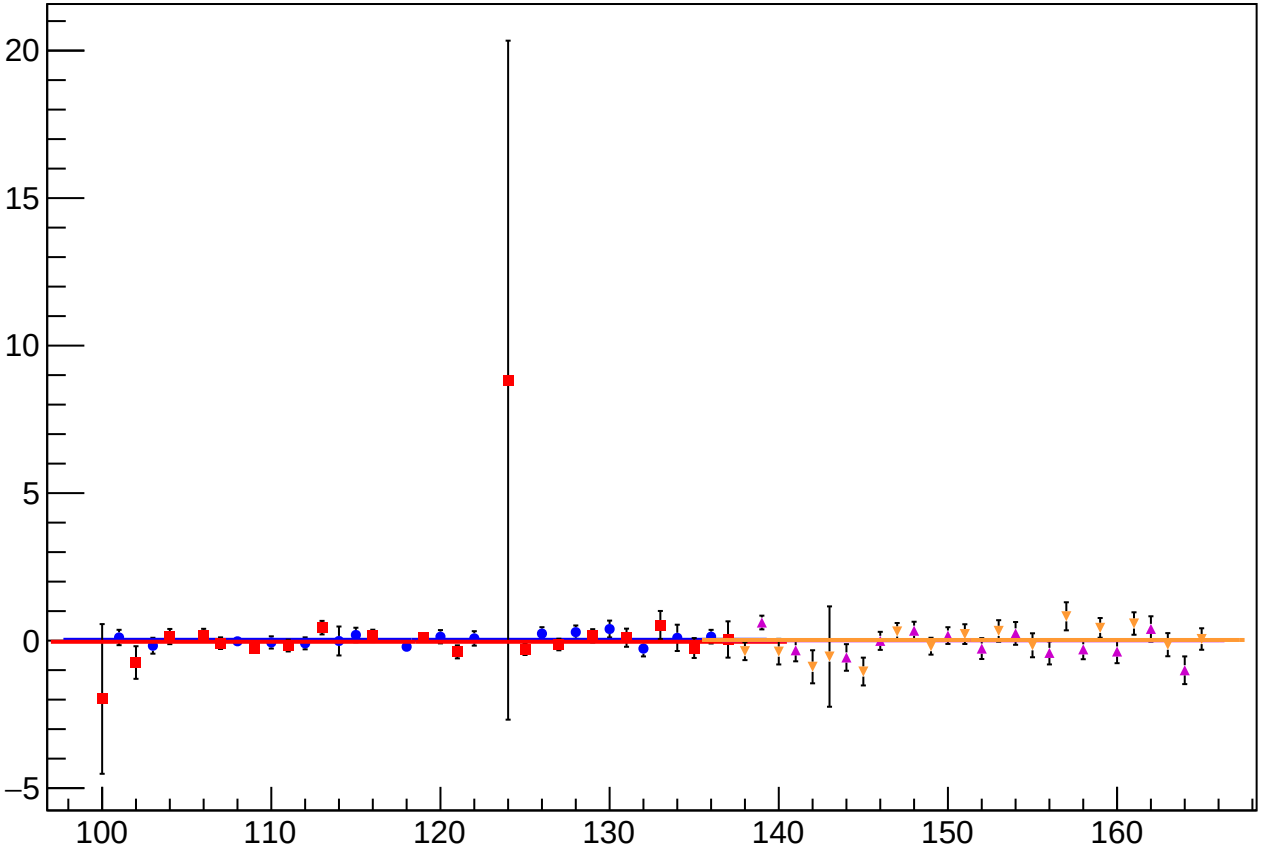
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

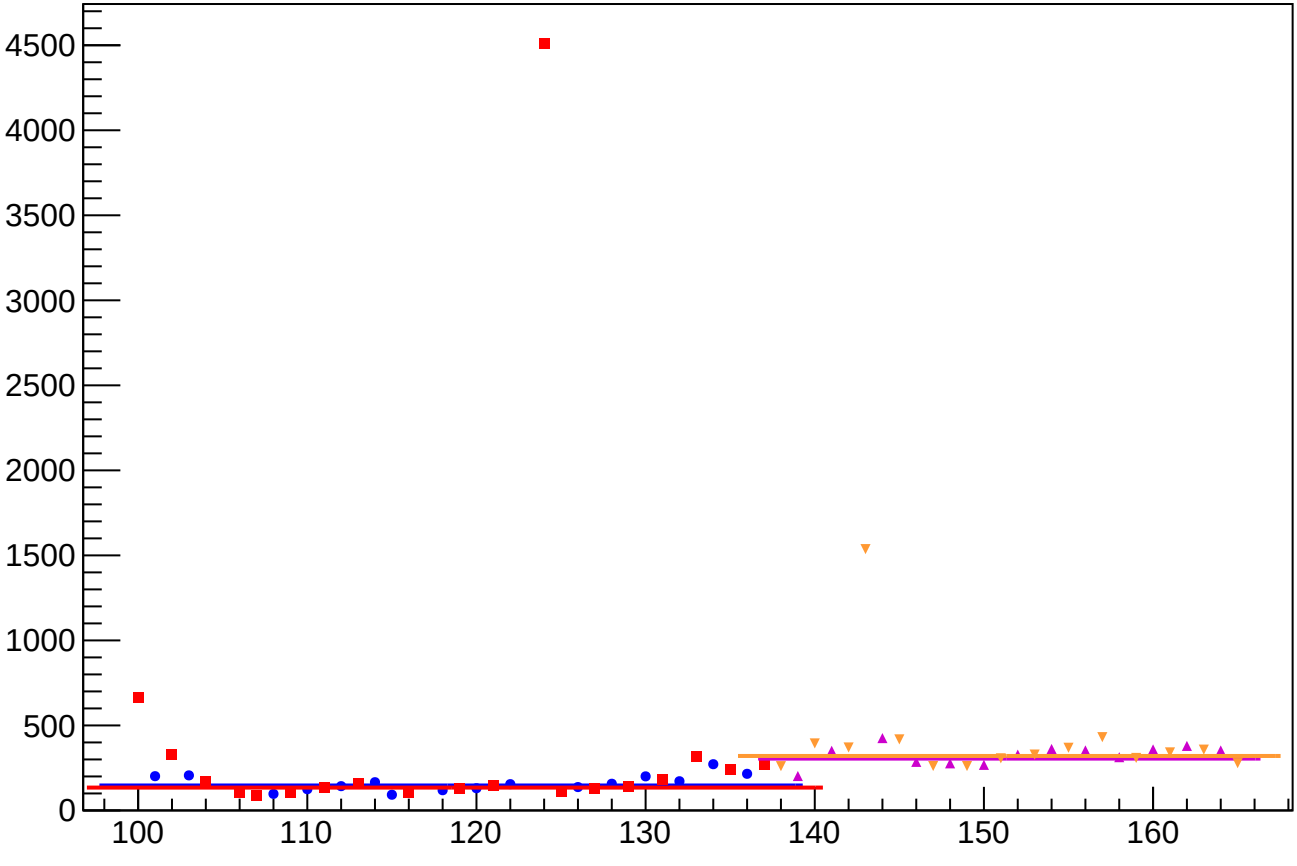
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

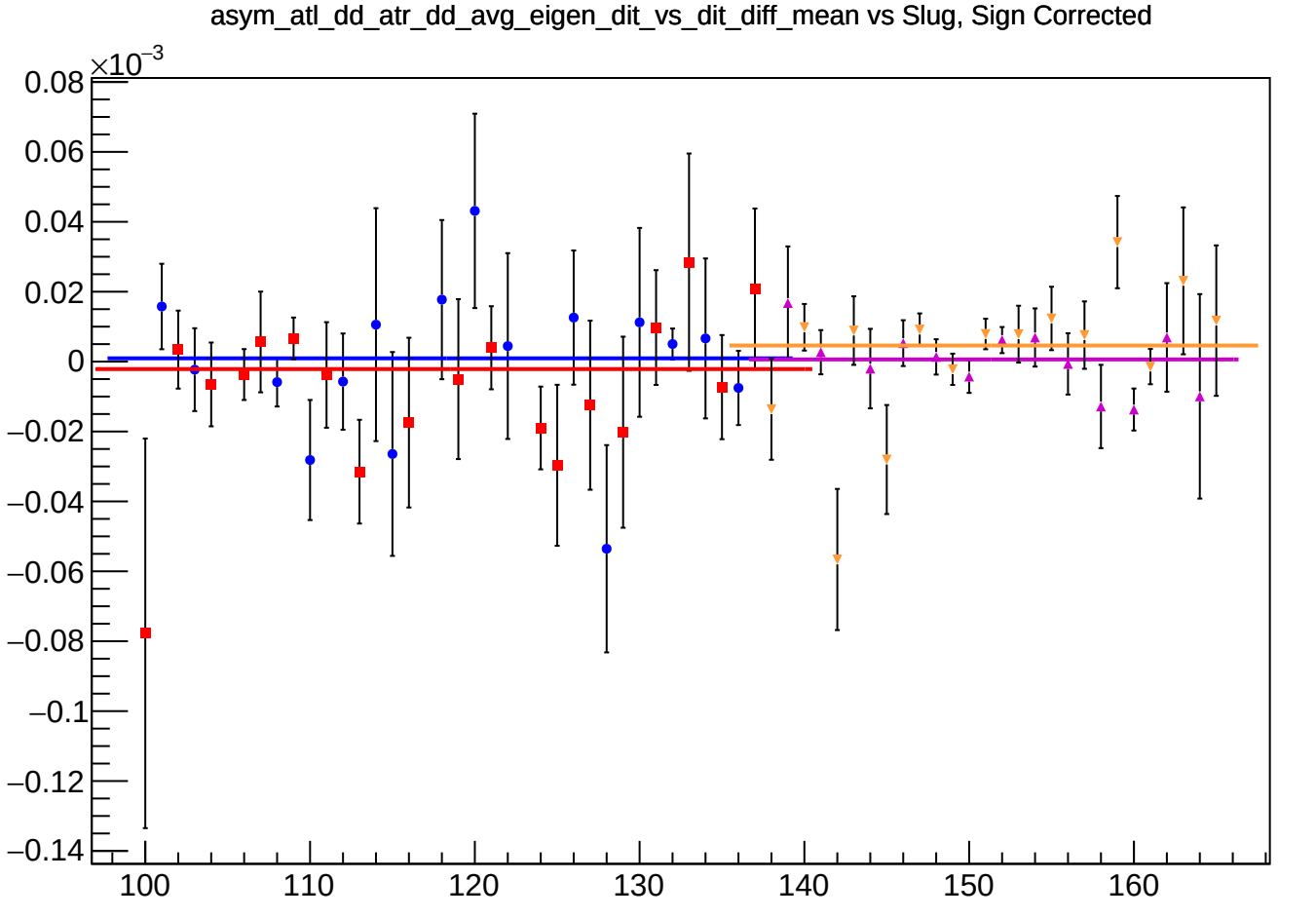
Left: 312.487+/-0.048 χ^2/NDF: 2473499.4/27

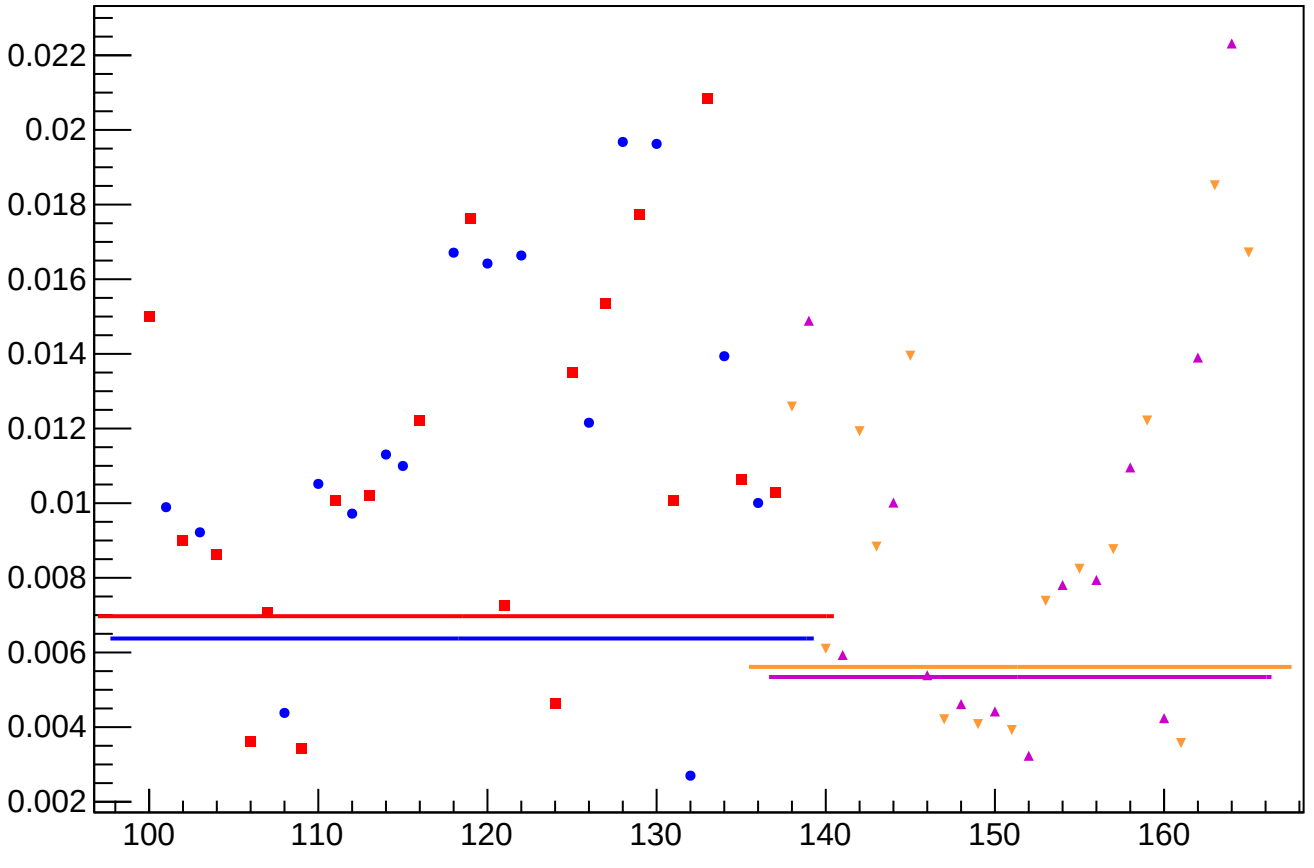
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62


asym_atl_dd_atr_dd_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
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:12.8/12
Left: 0.000+/-0.000 χ²/NDF: 43.2/27
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.7/28
Out: 0.000+/-0.000 χ²/NDF:47.8/33
All: 0.000+/-0.000 χ²/NDF: 76.3/62



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

Left: 0.005+/-0.000 χ^2/NDF: 8739547.6/27

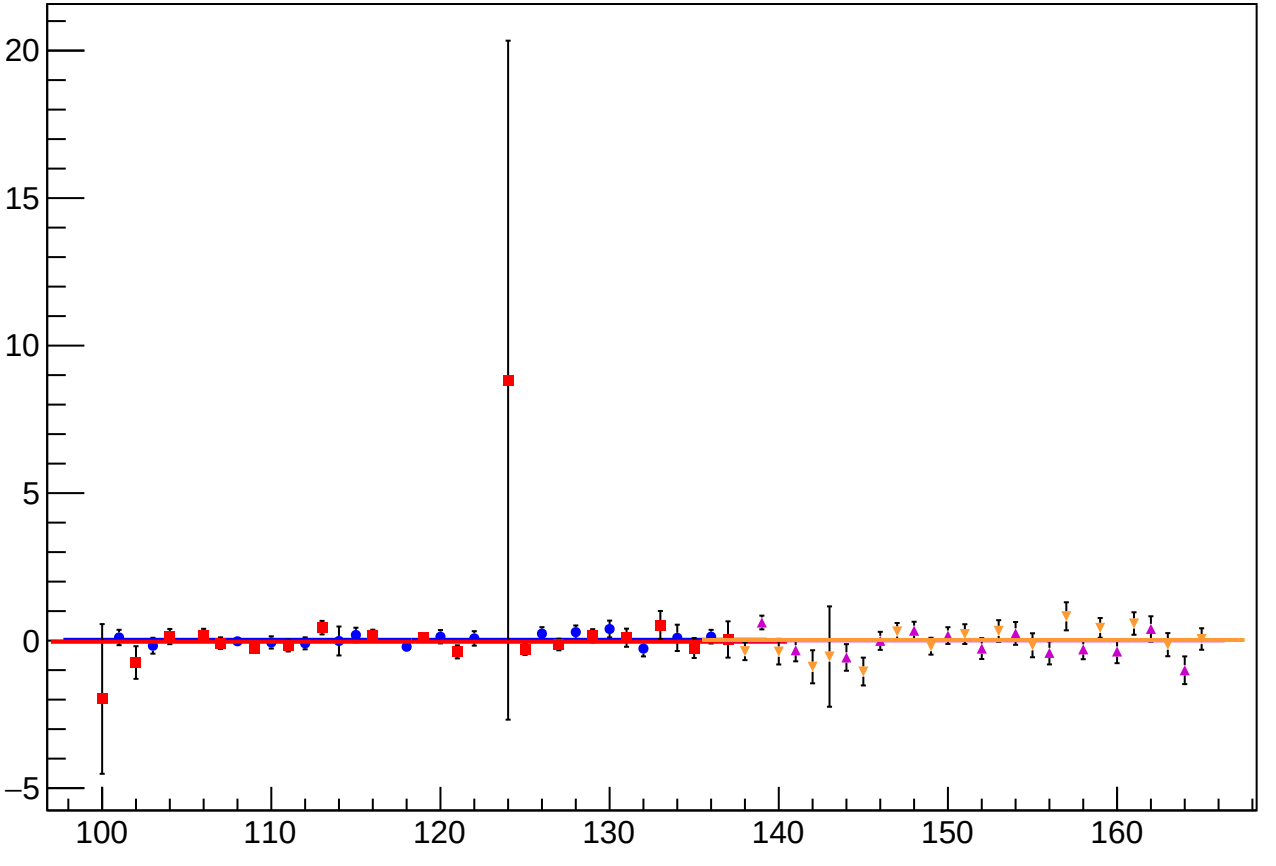
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8766438.7/28

Out: 0.006+/-0.000 χ^2/NDF:8470099.5/33

All: 0.006+/-0.000 χ^2/NDF: 17285637.8/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

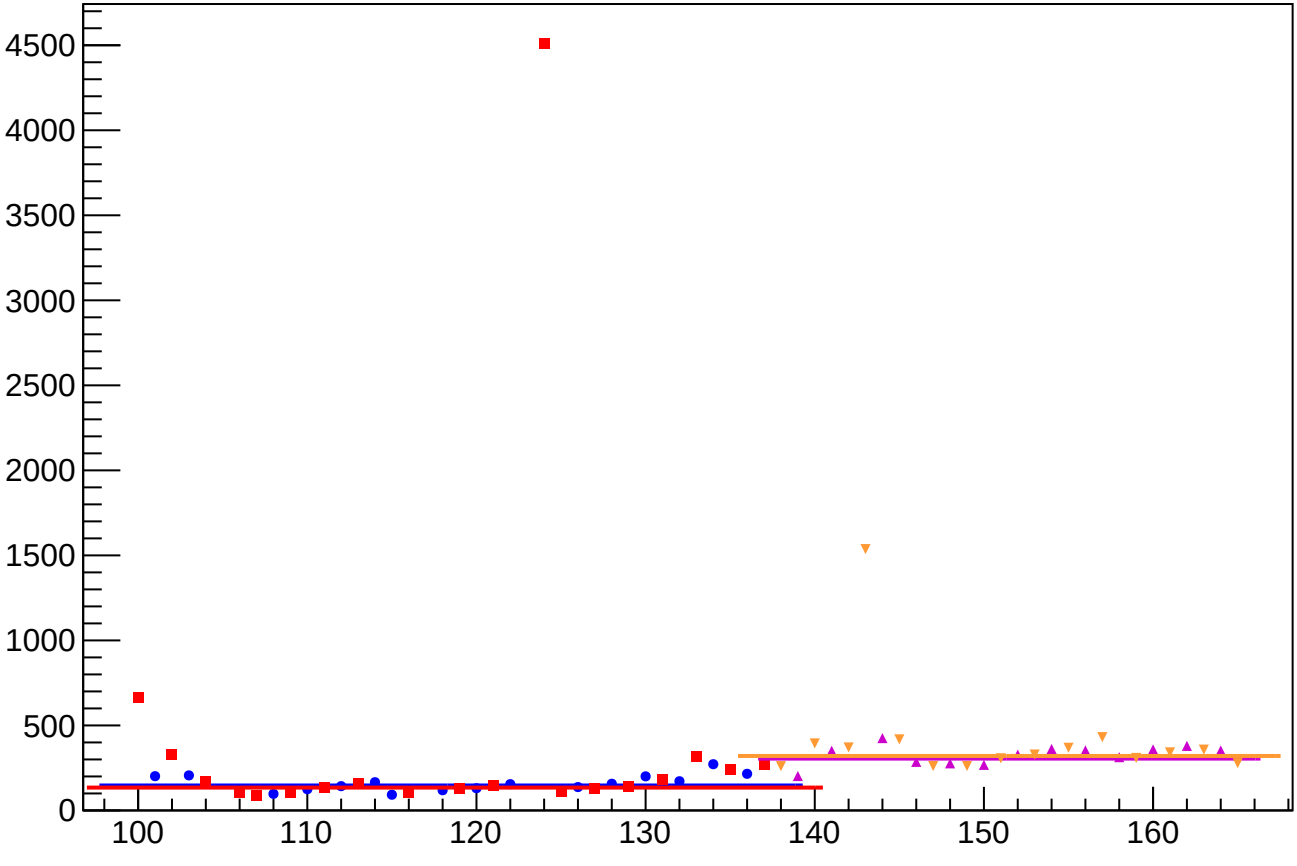
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 312.492+/-0.048 χ^2/NDF: 2473492.4/27

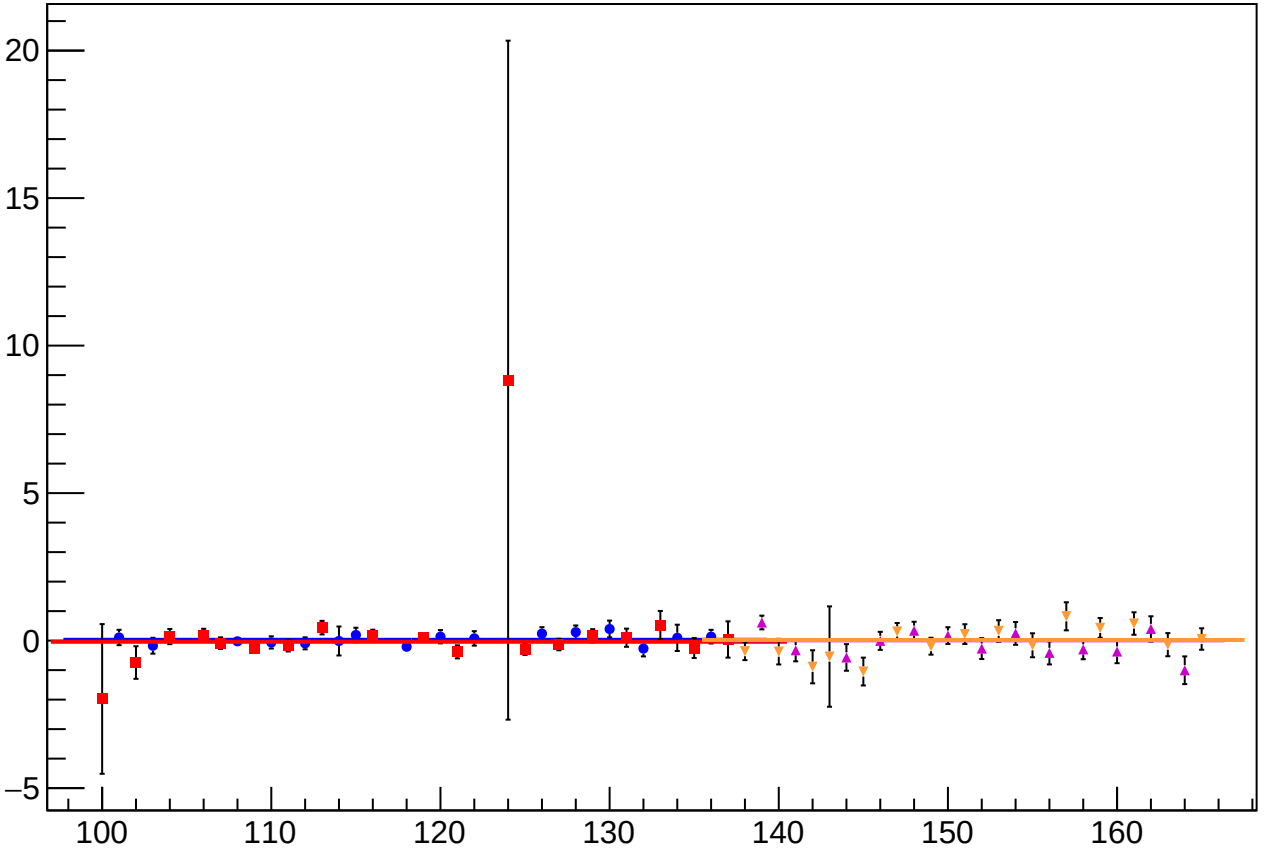
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

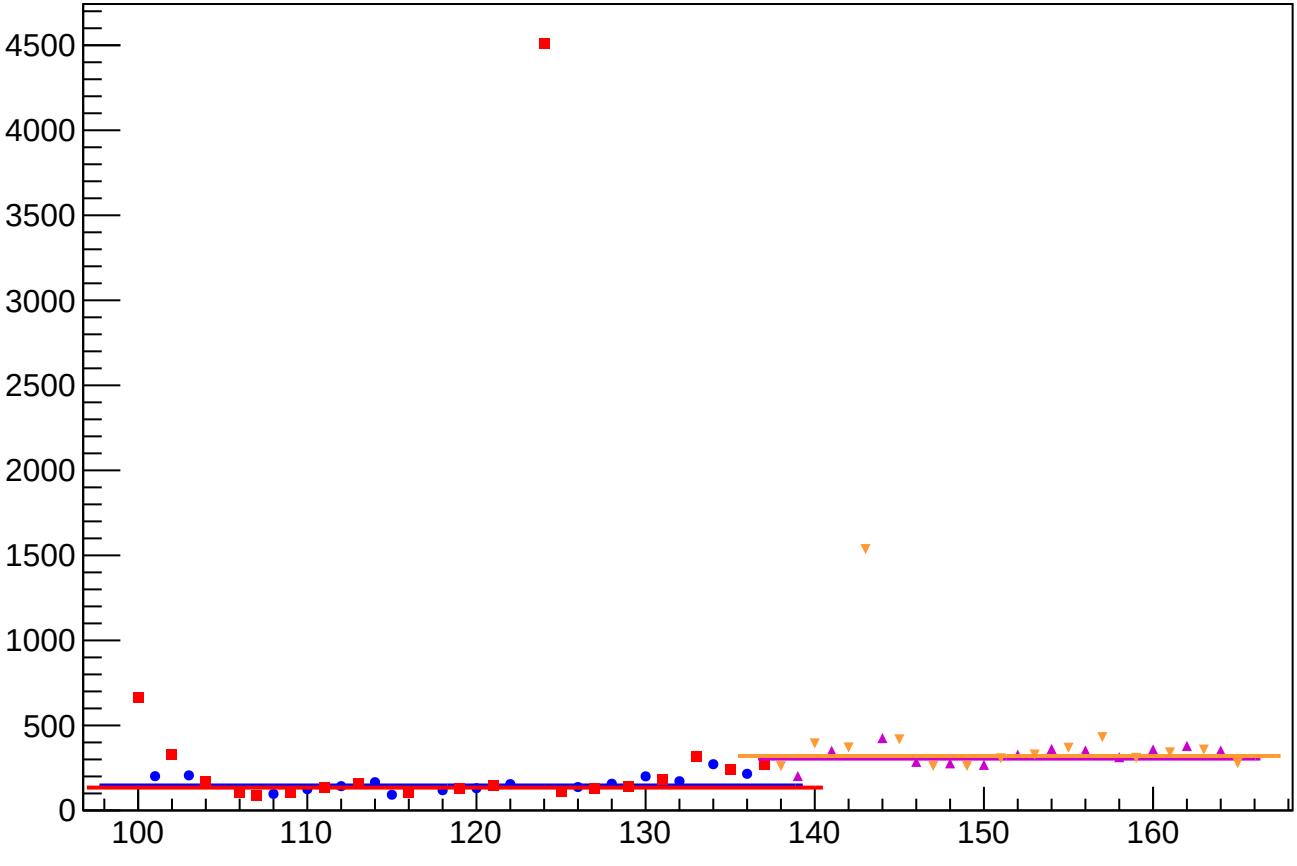
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

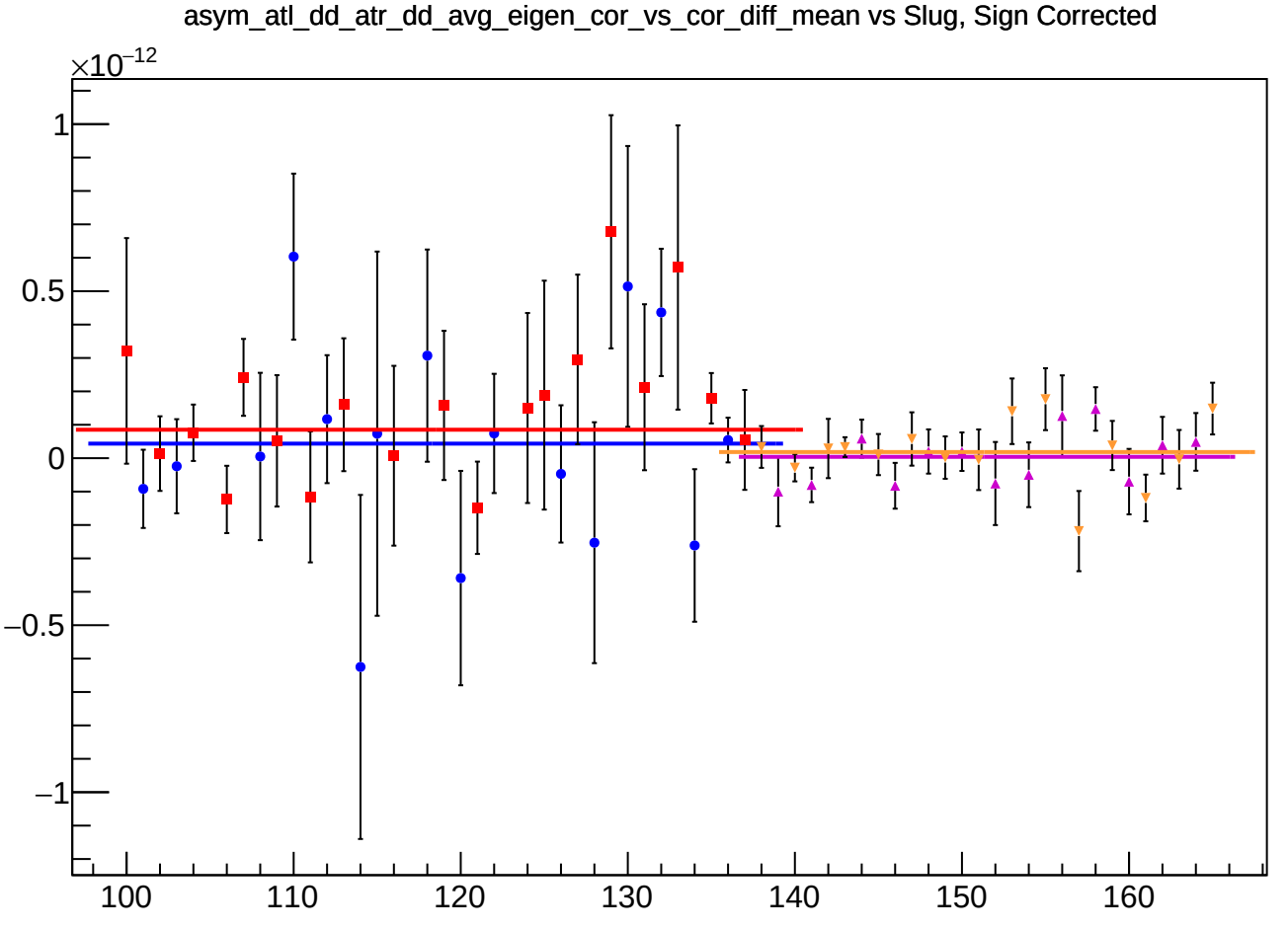
Left: 312.492+/-0.048 χ^2/NDF: 2473492.4/27

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

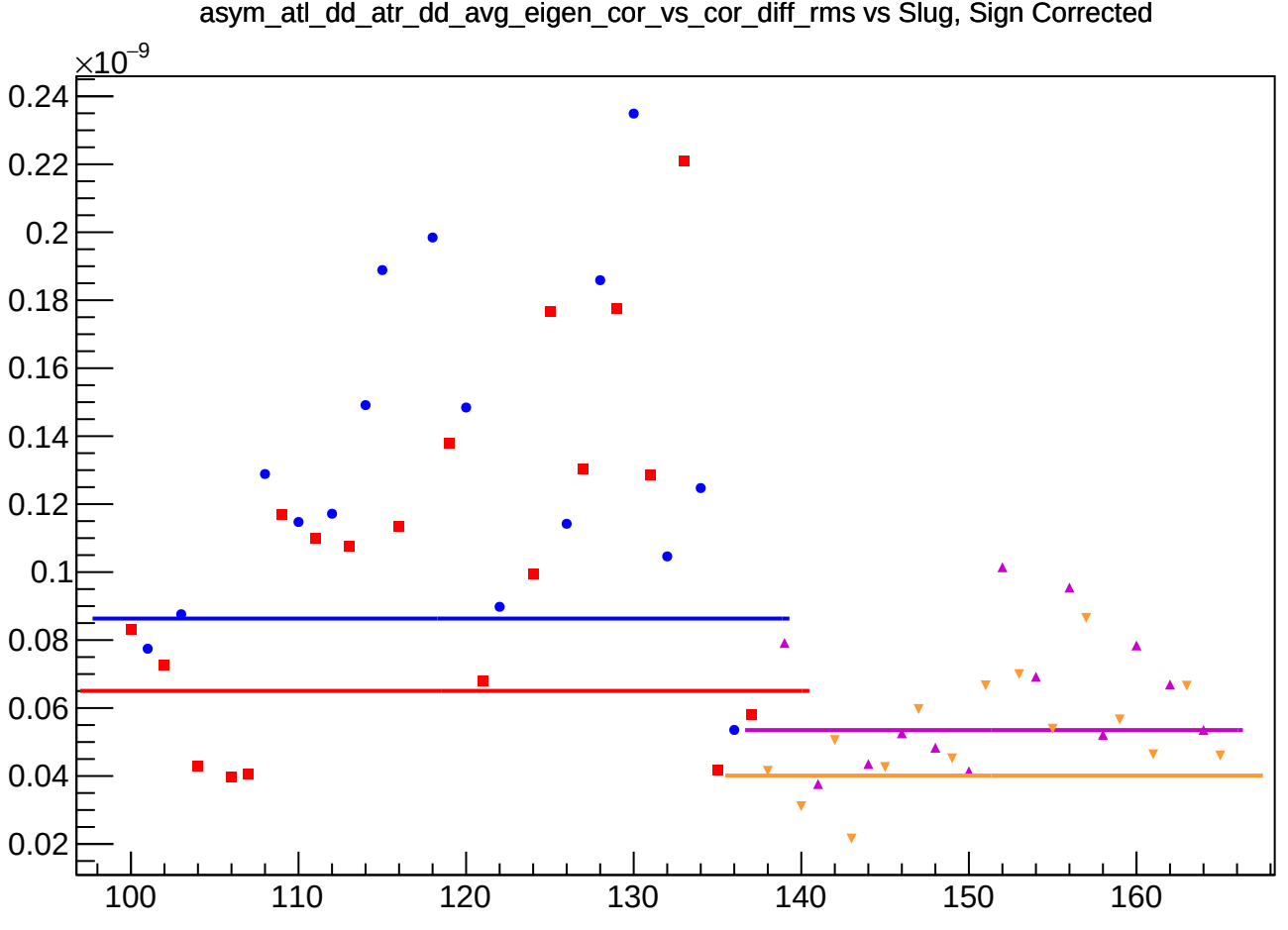
Left: 0.000+/-0.000 χ^2/NDF: 31.4/27

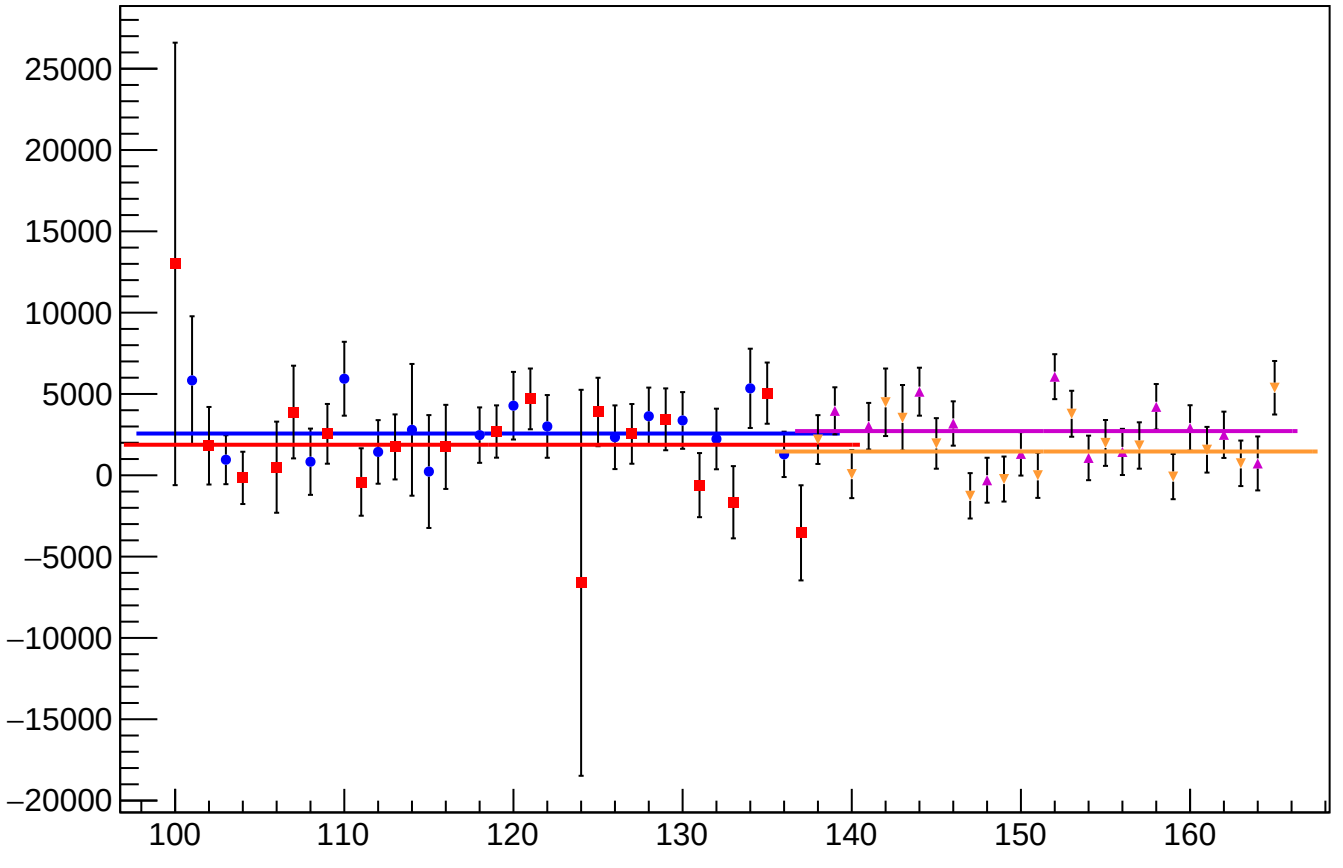
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.6/28

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 72.8/62


asym_atl_dd_atr_dd_avg_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2052820.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:1242925.8/12
Left: 0.000+/-0.000 χ²/NDF: 3823737.7/27
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:3766306.7/28
Out: 0.000+/-0.000 χ²/NDF:5080077.4/33
All: 0.000+/-0.000 χ²/NDF: 9664134.1/62



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.667+/-384.926 χ^2/NDF:20.9/14

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2717.622+/-392.849 χ^2/NDF:20.2/12

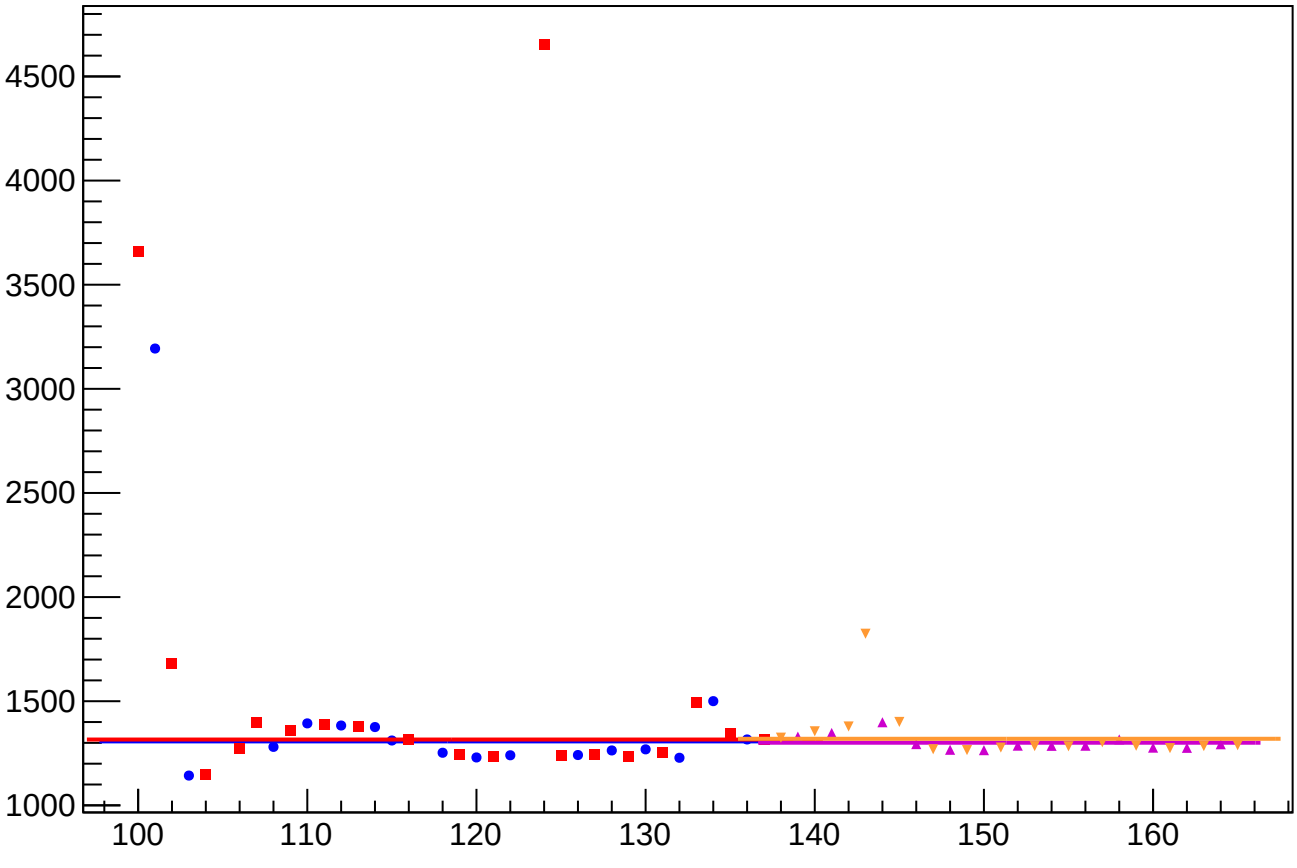
Left: 2077.362+/-274.942 χ^2/NDF: 46.3/27

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2659.644+/-307.804 χ^2/NDF:29.3/28

Out: 1619.300+/-303.799 χ^2/NDF:40.9/33

All: 2132.660+/-216.221 χ^2/NDF: 76.0/62



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

Left: 1310.324+/-0.194 χ^2/NDF: 167650.8/27

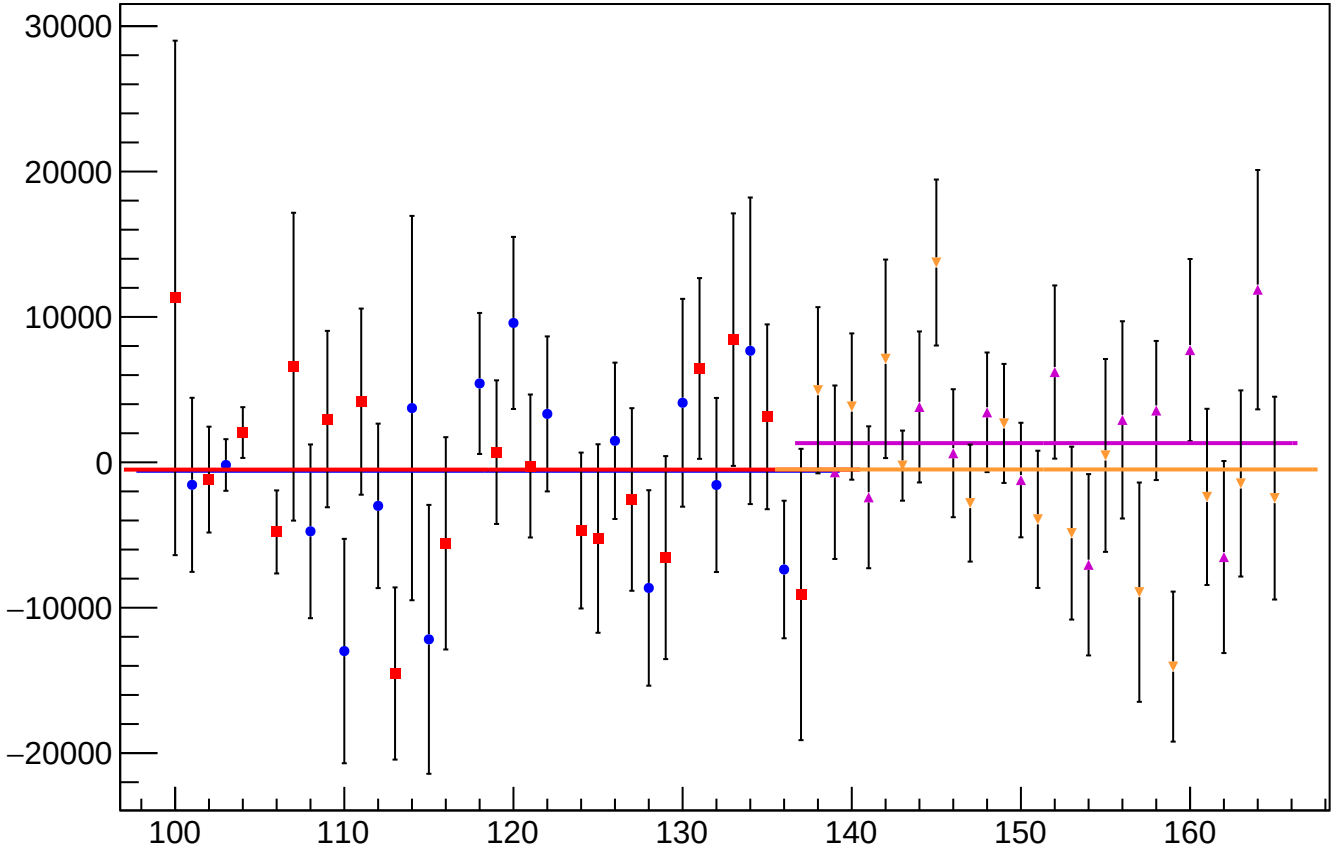
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1303.122+/-0.218 χ^2/NDF:533094.3/28

Out: 1318.250+/-0.215 χ^2/NDF:475117.5/33

All: 1310.793+/-0.153 χ^2/NDF: 1010661.4/62

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -490.413+/-1250.879 χ^2/NDF:19.5/14

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1321.061+/-1466.797 χ^2/NDF:8.5/12

Left: 272.306+/-951.779 χ^2/NDF: 28.9/27

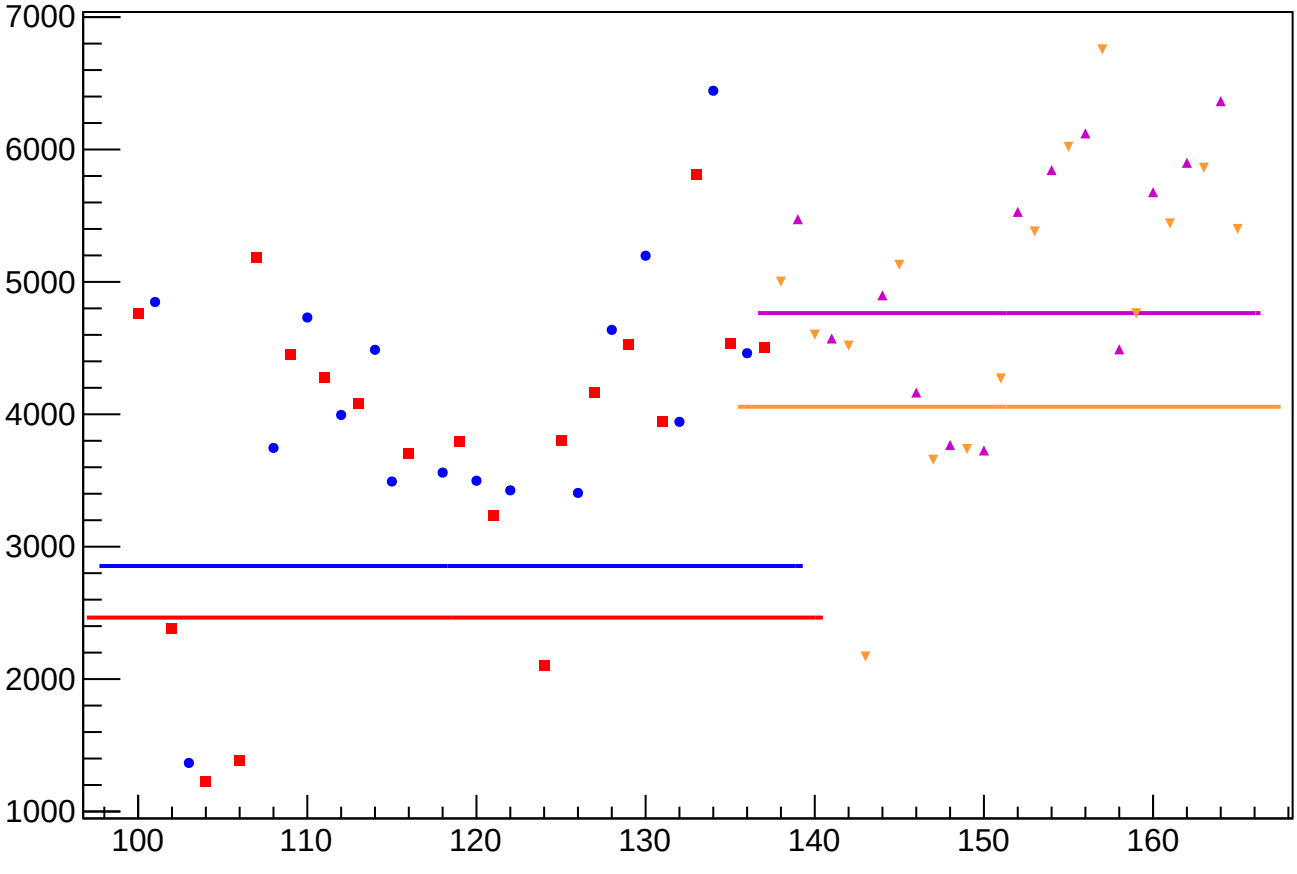
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 175.706+/-925.460 χ^2/NDF:24.2/28

Out: -496.070+/-806.658 χ^2/NDF:37.2/33

All: -206.042+/-608.087 χ^2/NDF: 61.7/62

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4056.800+/-0.885 χ^2/NDF:2324057.1/14

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4764.473+/-1.037 χ^2/NDF:682820.8/12

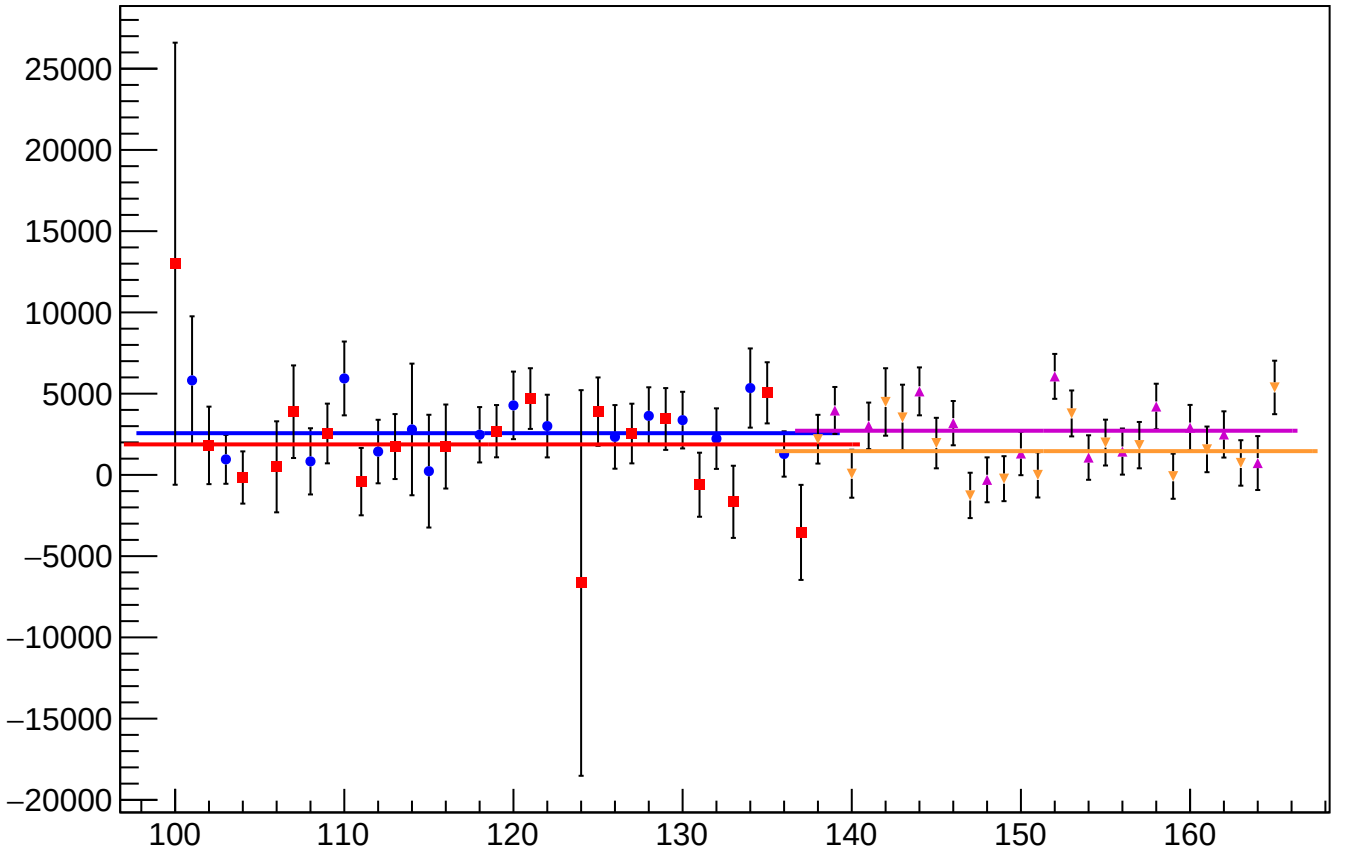
Left: 4354.765+/-0.673 χ^2/NDF: 3276402.1/27

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3614.711+/-0.654 χ^2/NDF:5629244.7/28

Out: 3126.729+/-0.570 χ^2/NDF:7572847.7/33

All: 3337.407+/-0.430 χ^2/NDF: 13518082.8/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.614+/-384.926 χ^2/NDF:20.9/14

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2717.705+/-392.849 χ^2/NDF:20.2/12

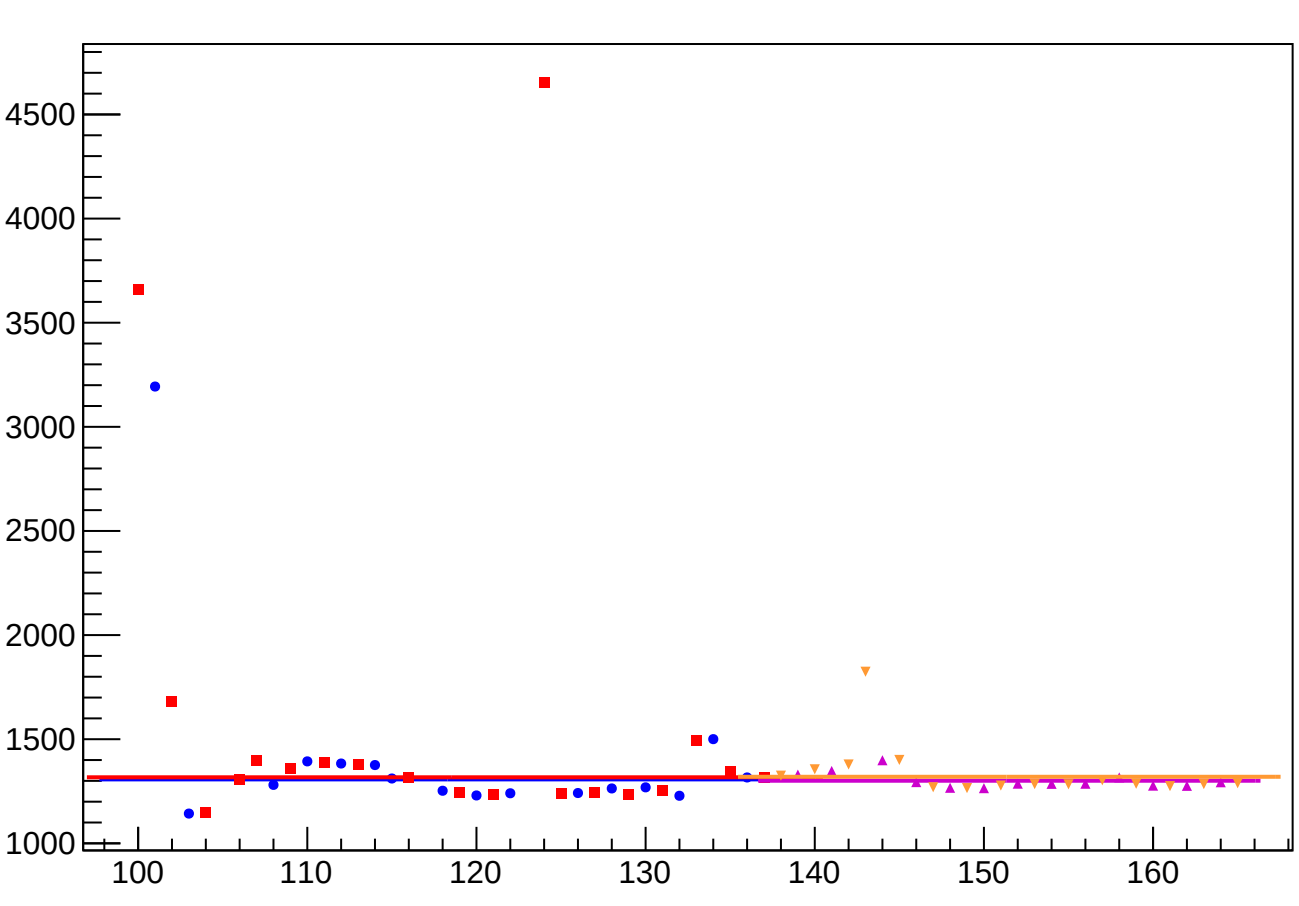
Left: 2077.376+/-274.942 χ^2/NDF: 46.4/27

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2659.588+/-307.804 χ^2/NDF:29.3/28

Out: 1619.171+/-303.799 χ^2/NDF:40.9/33

All: 2132.567+/-216.221 χ^2/NDF: 76.0/62



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

Left: 1310.324+/-0.194 χ^2/NDF: 167650.8/27

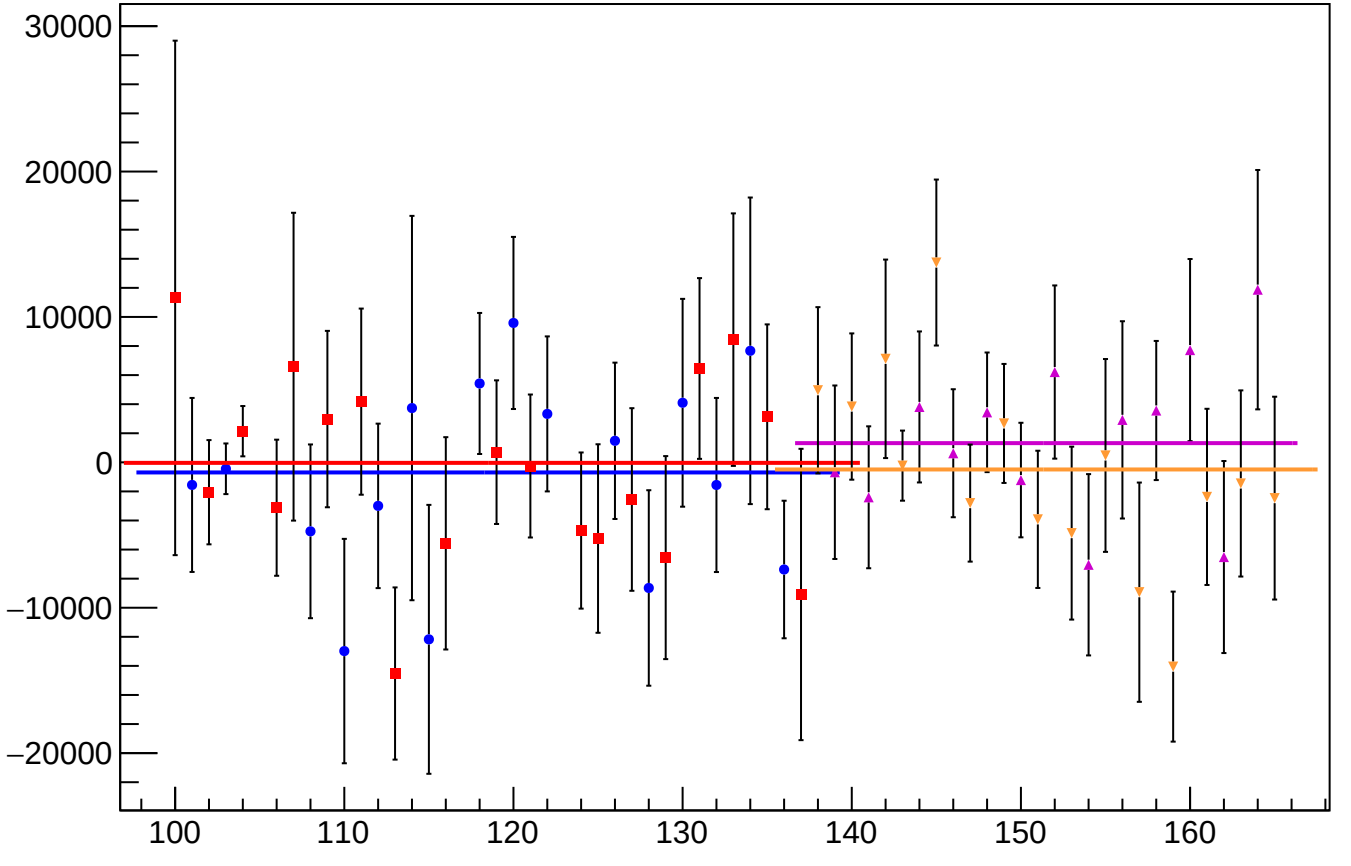
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1303.122+/-0.218 χ^2/NDF:533095.8/28

Out: 1318.678+/-0.215 χ^2/NDF:474589.0/33

All: 1311.008+/-0.153 χ^2/NDF: 1010274.3/62

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: -490.418+/-1250.874 χ^2/NDF:19.5/14

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1321.154+/-1466.797 χ^2/NDF:8.5/12

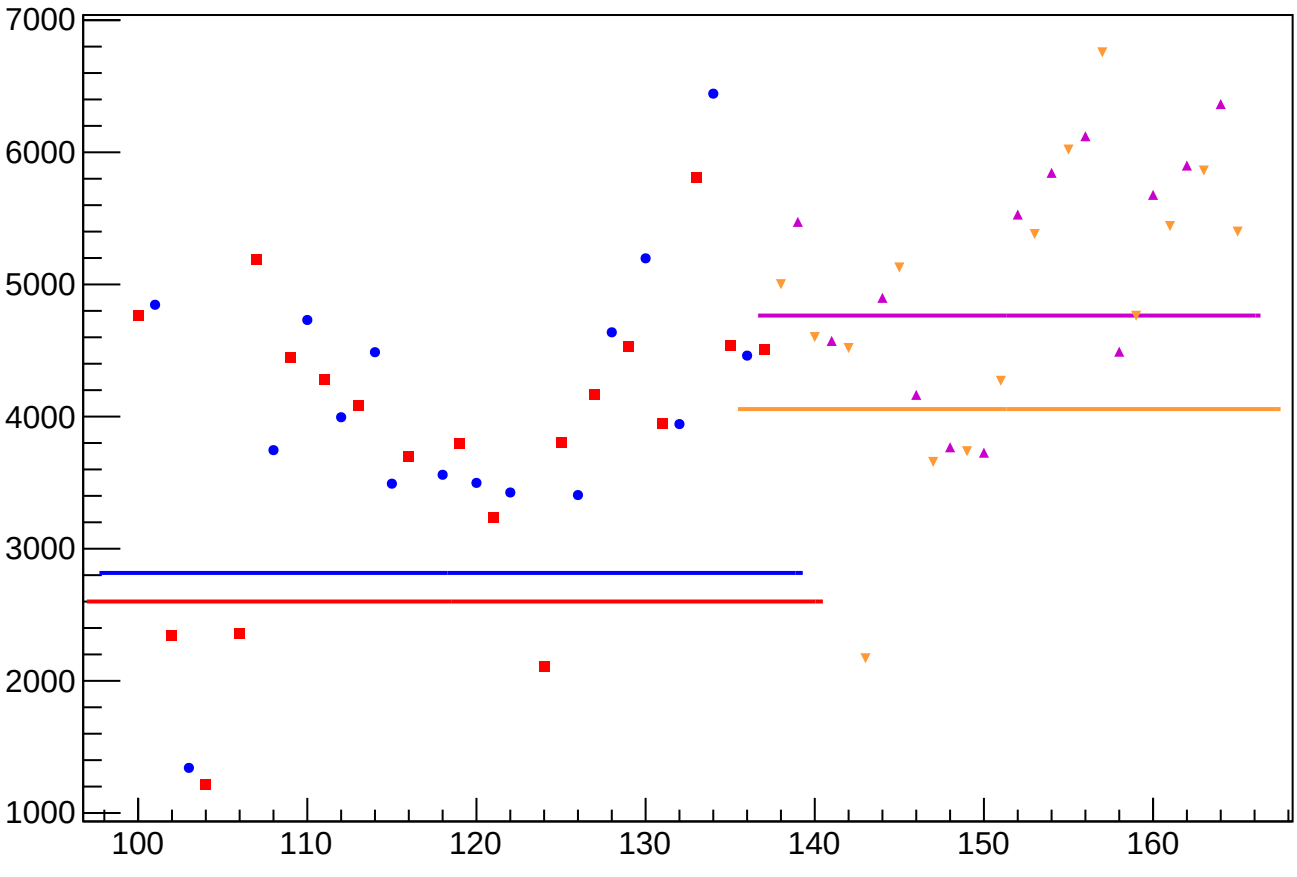
Left: 272.339+/-951.777 χ^2/NDF: 28.9/27

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 98.980+/-920.564 χ^2/NDF:24.3/28

Out: -233.865+/-825.277 χ^2/NDF:35.5/33

All: -85.555+/-614.495 χ^2/NDF: 59.9/62



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4056.777+/-0.885 χ^2/NDF:2324130.0/14

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

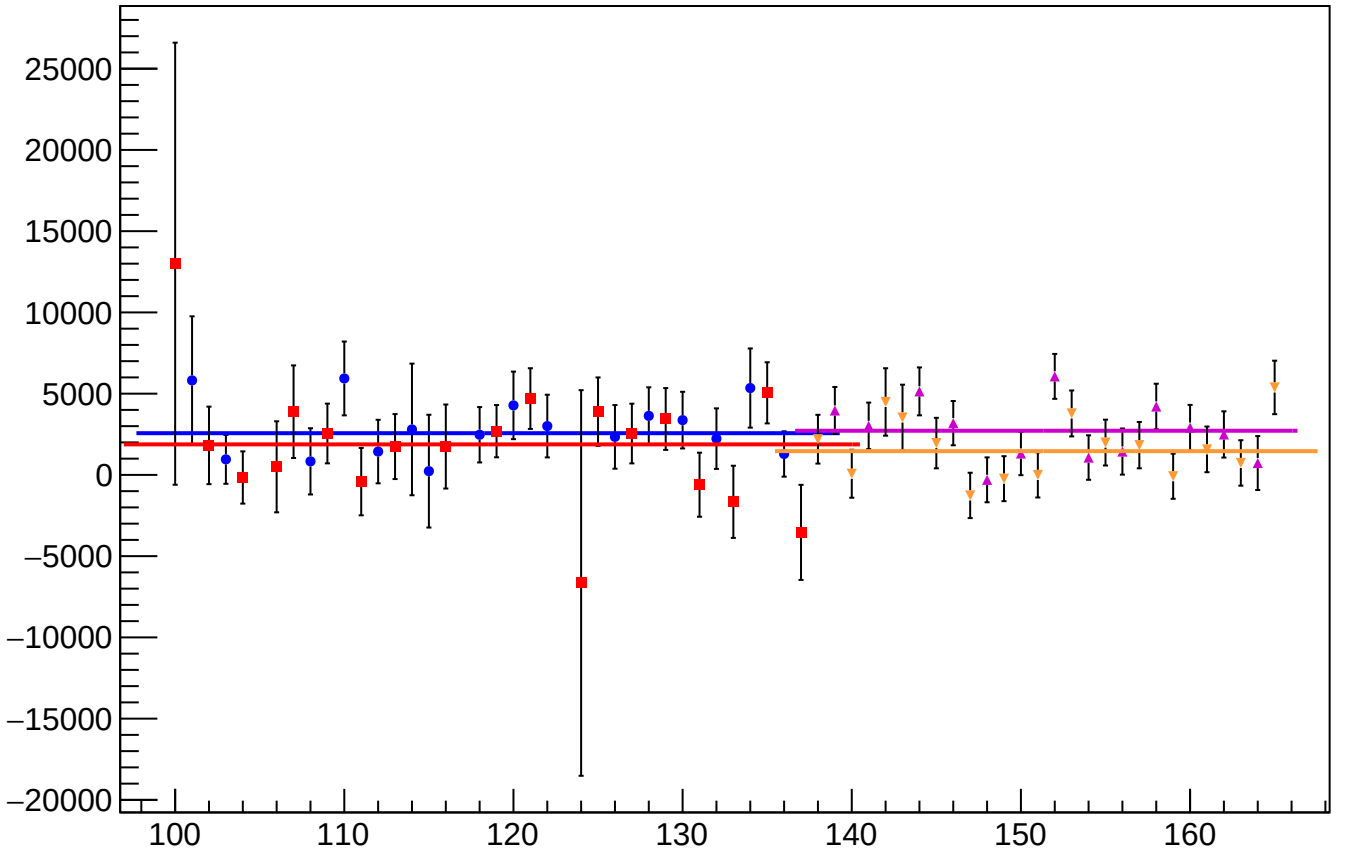
Left: 4354.750+/-0.673 χ^2/NDF: 3276498.7/27

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3583.948+/-0.651 χ^2/NDF:5827792.4/28

Out: 3234.407+/-0.584 χ^2/NDF:6935662.0/33

All: 3390.156+/-0.435 χ^2/NDF: 12923320.2/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.614+/-384.926 χ^2/NDF:20.9/14

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2717.705+/-392.849 χ^2/NDF:20.2/12

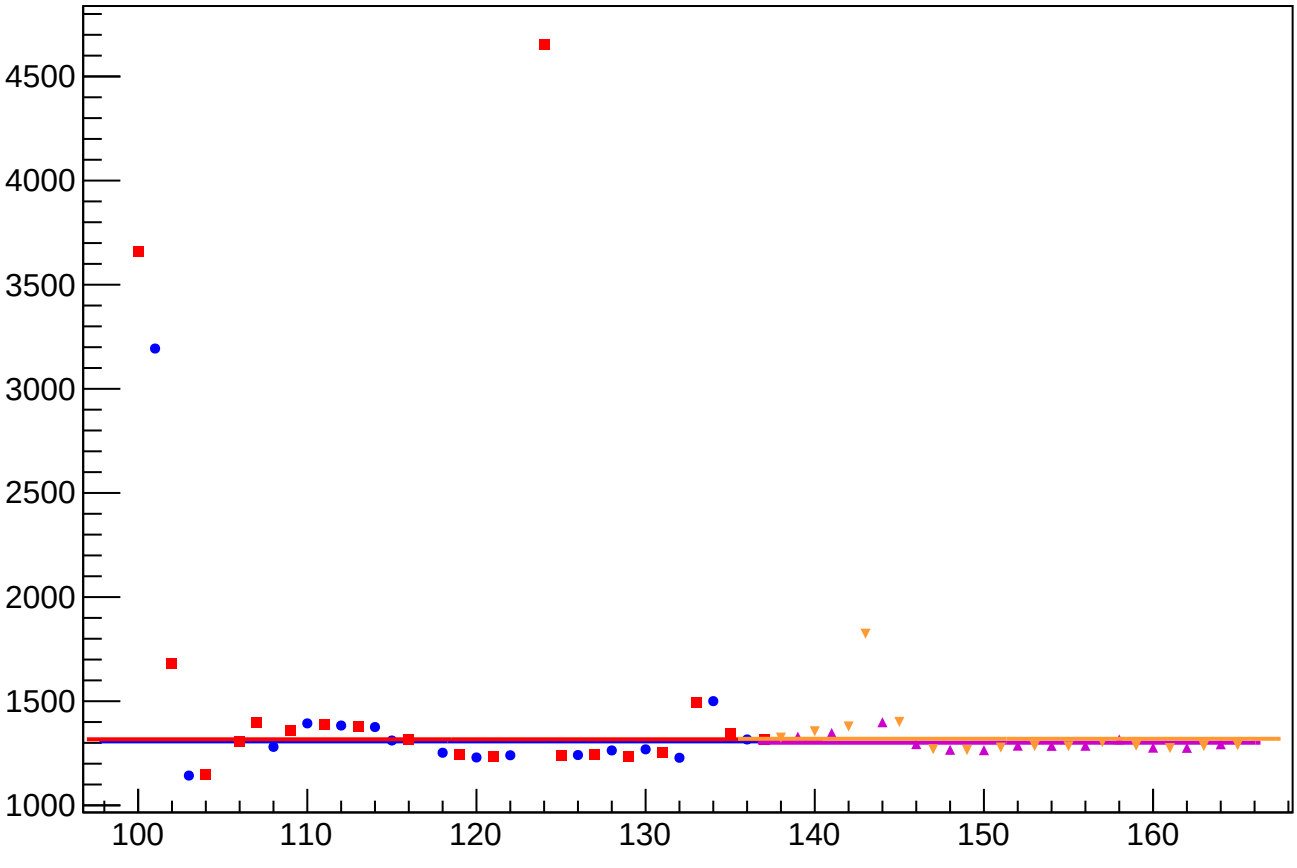
Left: 2077.376+/-274.942 χ^2/NDF: 46.4/27

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2659.588+/-307.804 χ^2/NDF:29.3/28

Out: 1619.171+/-303.799 χ^2/NDF:40.9/33

All: 2132.567+/-216.221 χ^2/NDF: 76.0/62



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

Left: 1310.324+/-0.194 χ^2/NDF: 167650.8/27

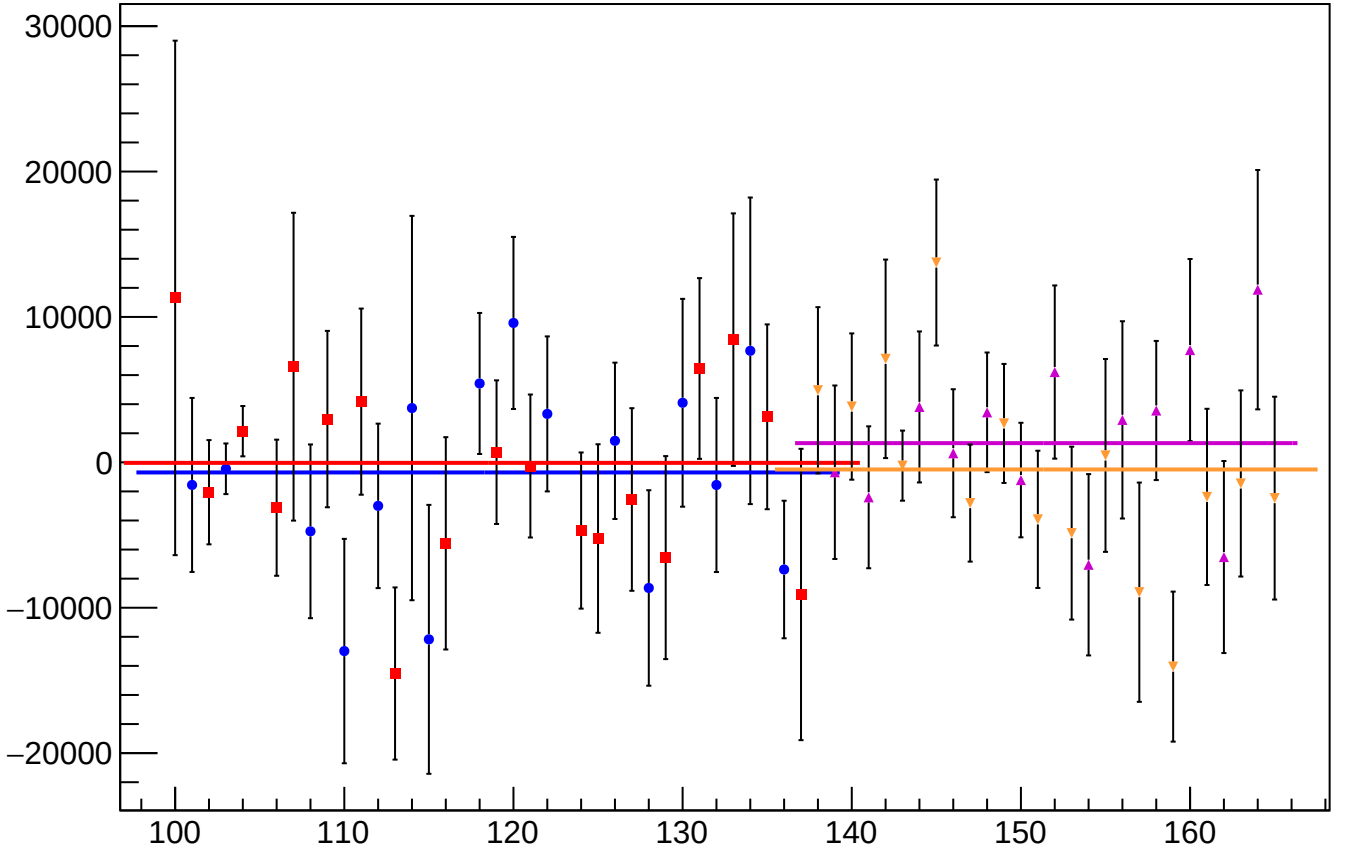
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1303.122+/-0.218 χ^2/NDF:533095.8/28

Out: 1318.678+/-0.215 χ^2/NDF:474589.0/33

All: 1311.008+/-0.153 χ^2/NDF: 1010274.3/62

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: -490.418+/-1250.874 χ^2/NDF:19.5/14

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1321.154+/-1466.797 χ^2/NDF:8.5/12

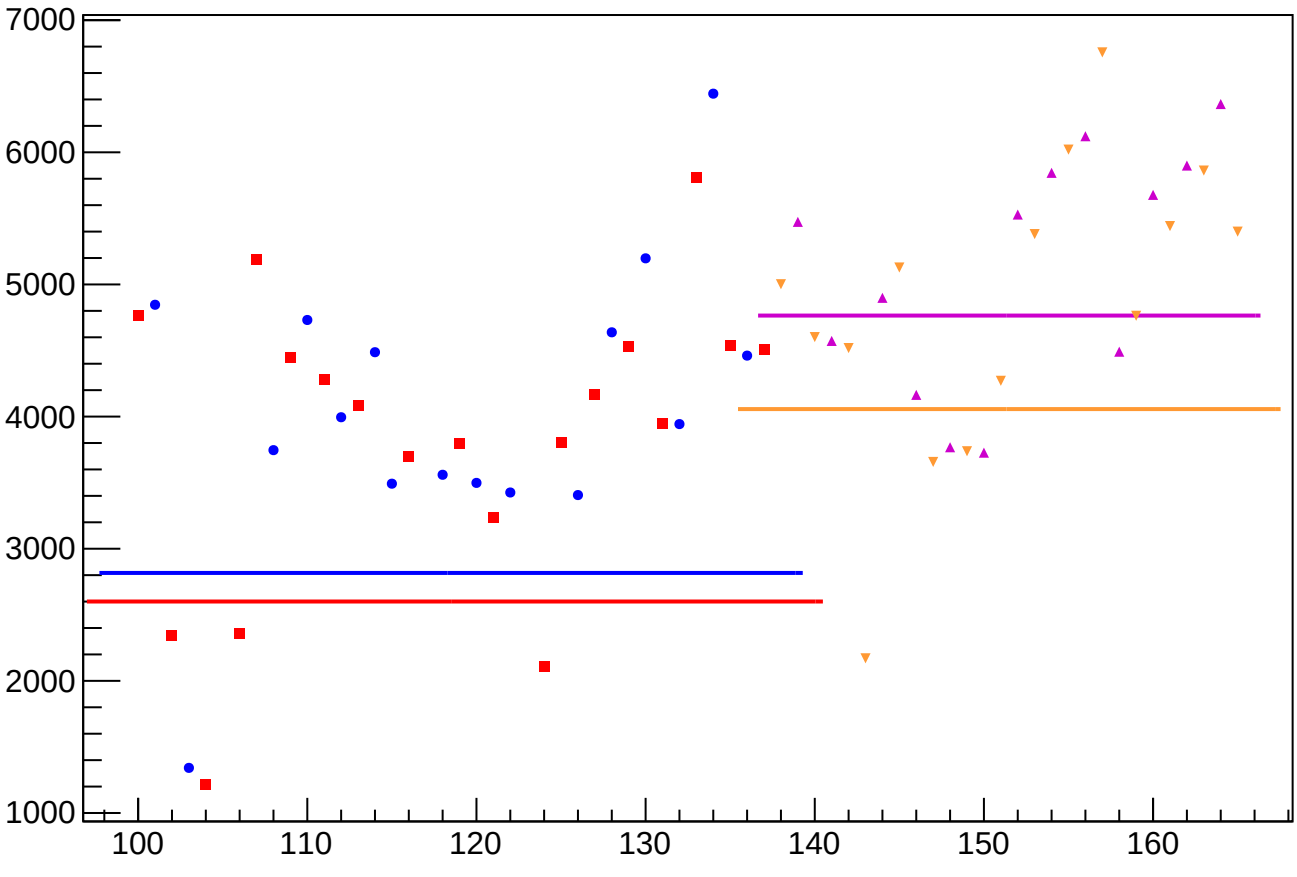
Left: 272.339+/-951.777 χ^2/NDF: 28.9/27

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 98.980+/-920.564 χ^2/NDF:24.3/28

Out: -233.865+/-825.277 χ^2/NDF:35.5/33

All: -85.555+/-614.495 χ^2/NDF: 59.9/62



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4056.777+/-0.885 χ^2/NDF:2324130.0/14

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

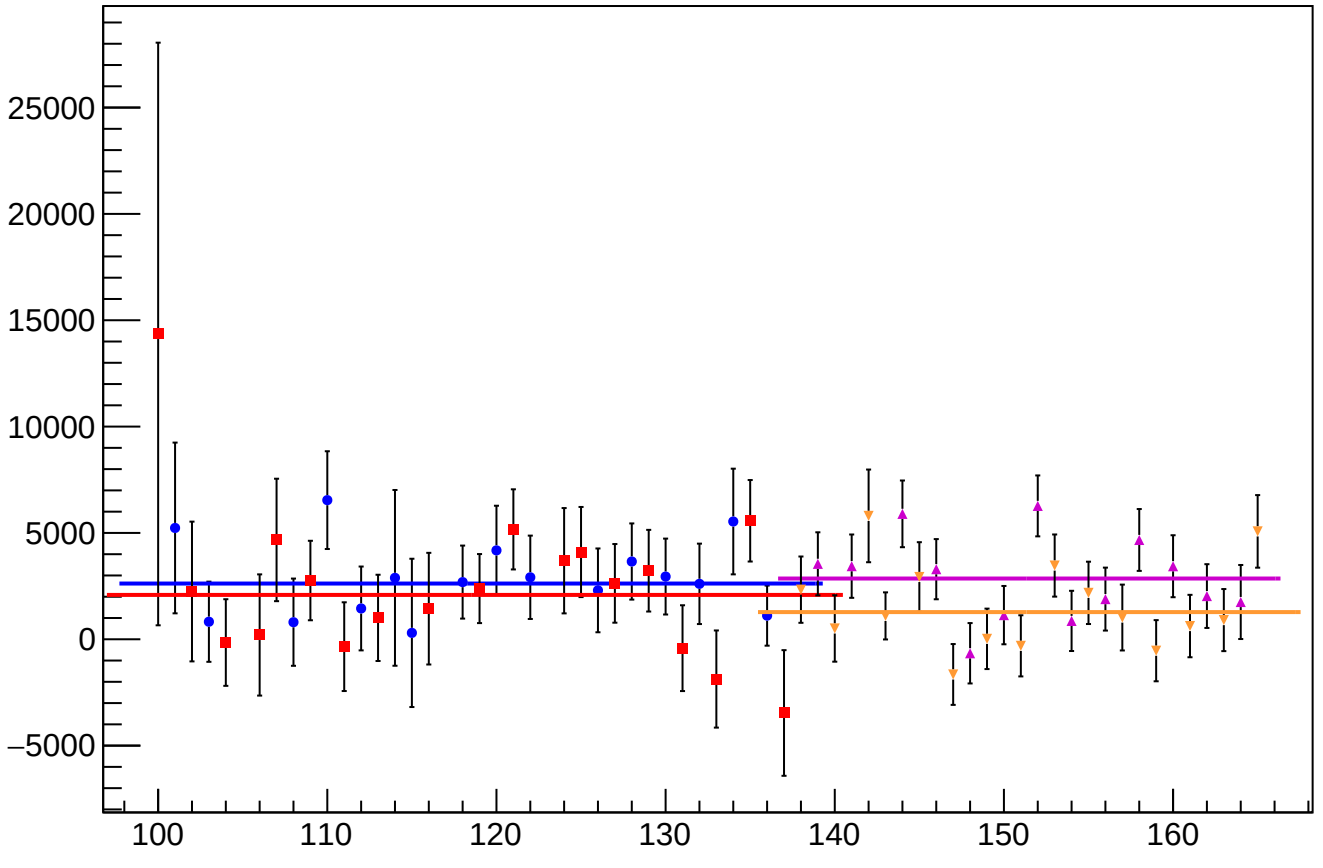
Left: 4354.750+/-0.673 χ^2/NDF: 3276498.7/27

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3583.948+/-0.651 χ^2/NDF:5827792.4/28

Out: 3234.407+/-0.584 χ^2/NDF:6935662.0/33

All: 3390.156+/-0.435 χ^2/NDF: 12923320.2/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1278.266+/-383.419 χ^2/NDF:21.7/14

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2856.400+/-408.125 χ^2/NDF:22.4/12

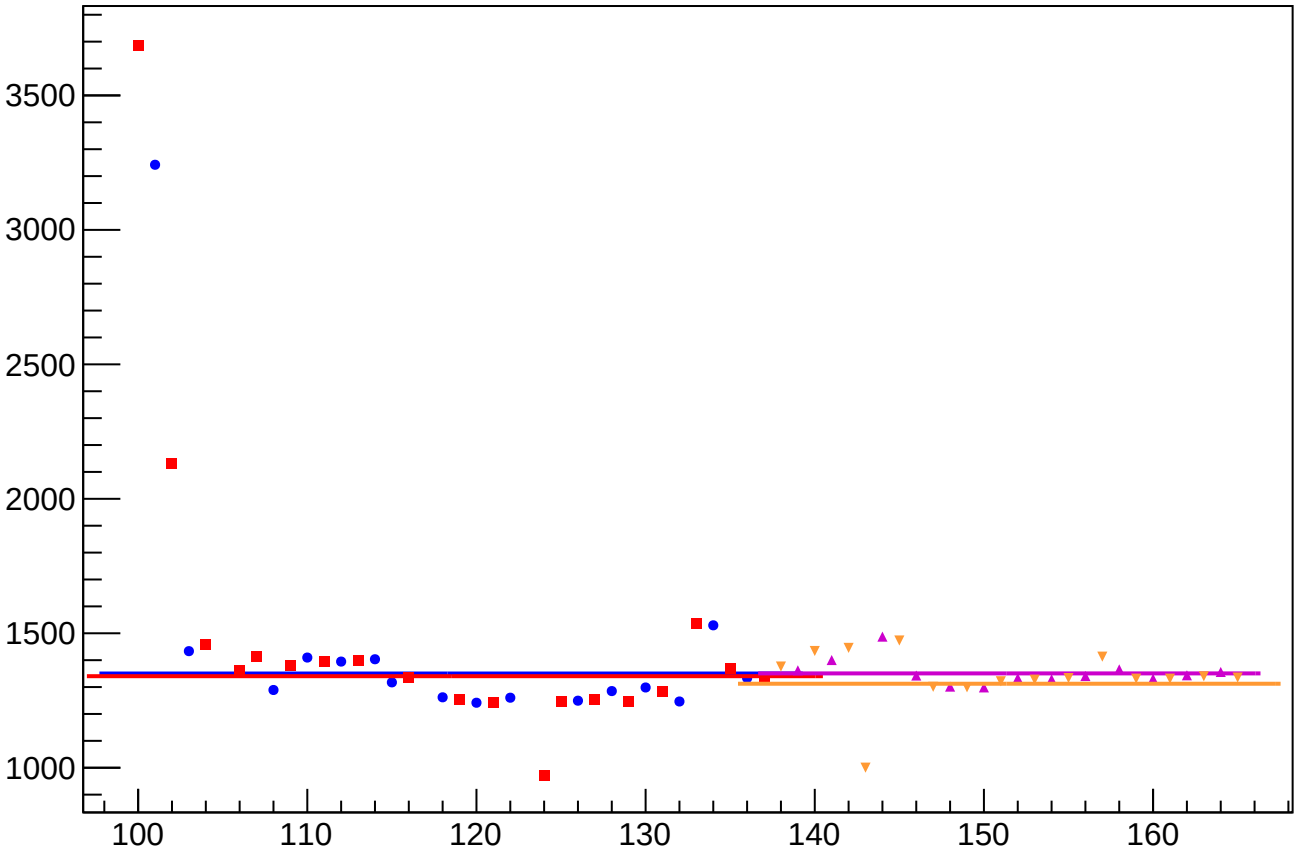
Left: 2018.125+/-279.444 χ^2/NDF: 52.1/27

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2764.652+/-319.021 χ^2/NDF:31.9/28

Out: 1573.576+/-305.347 χ^2/NDF:44.3/33

All: 2143.041+/-220.589 χ^2/NDF: 83.5/62



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1312.356+/-0.271 χ^2/NDF:212467.6/14

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.809+/-0.289 χ^2/NDF:24400.2/12

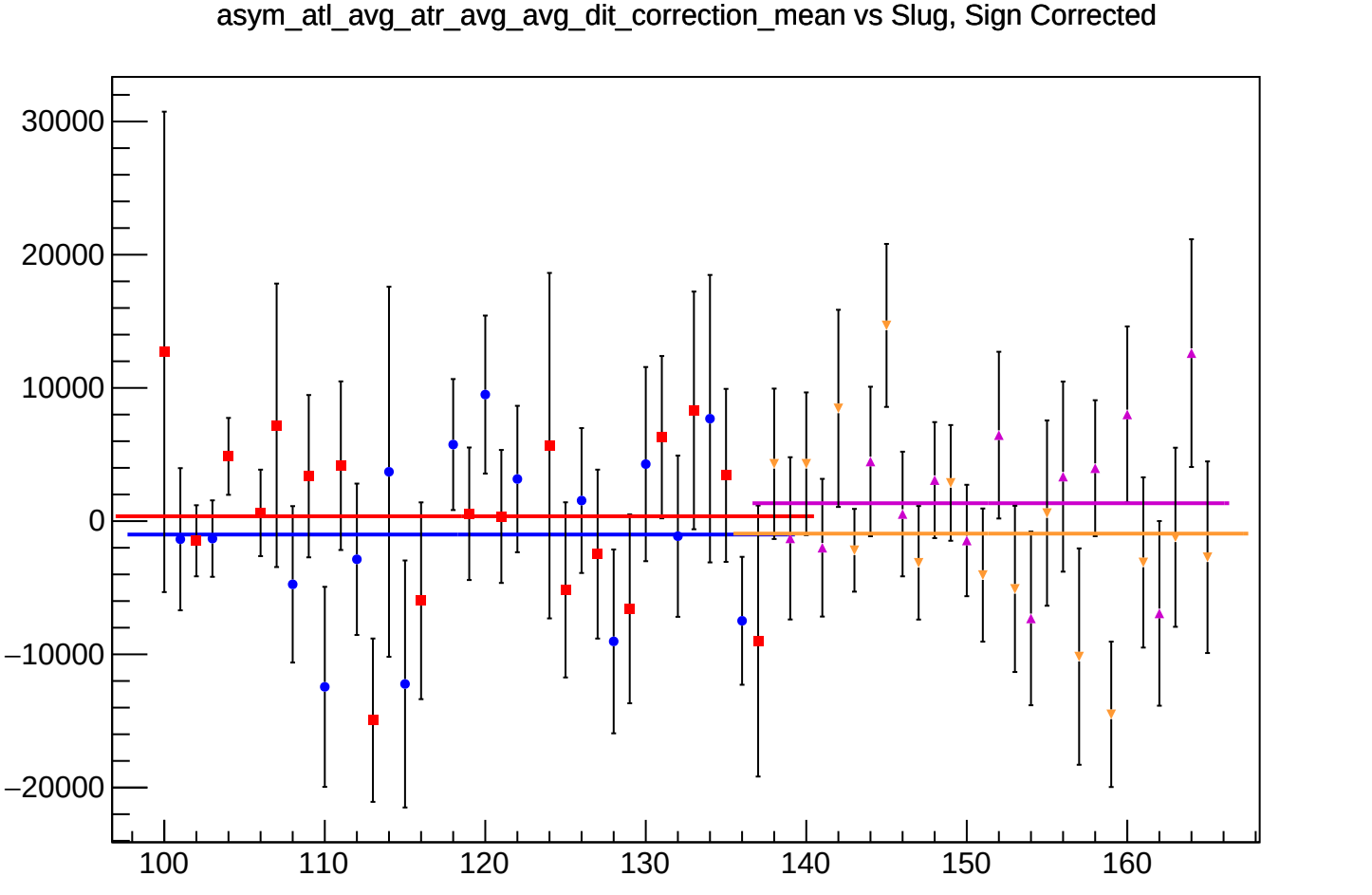
Left: 1330.383+/-0.198 χ^2/NDF: 246298.6/27

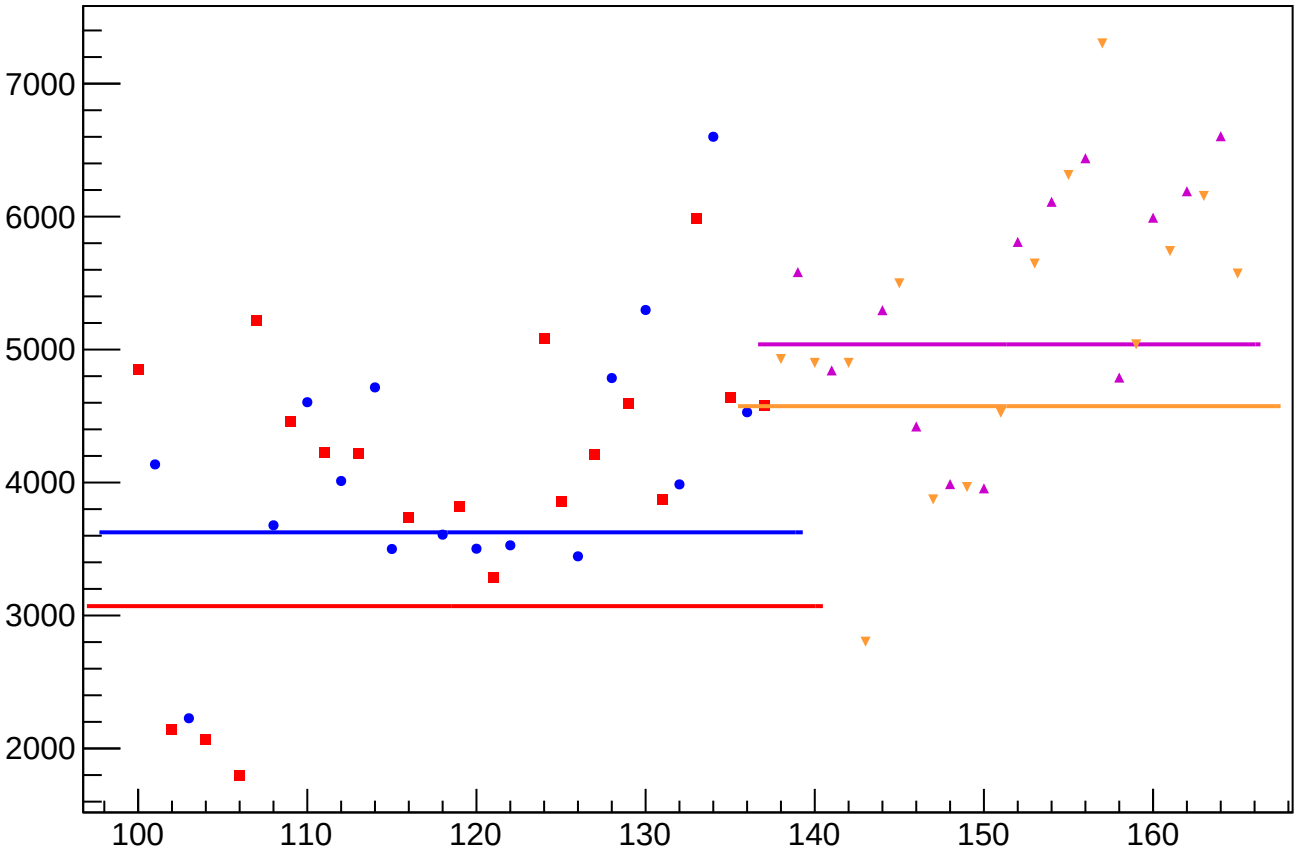
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

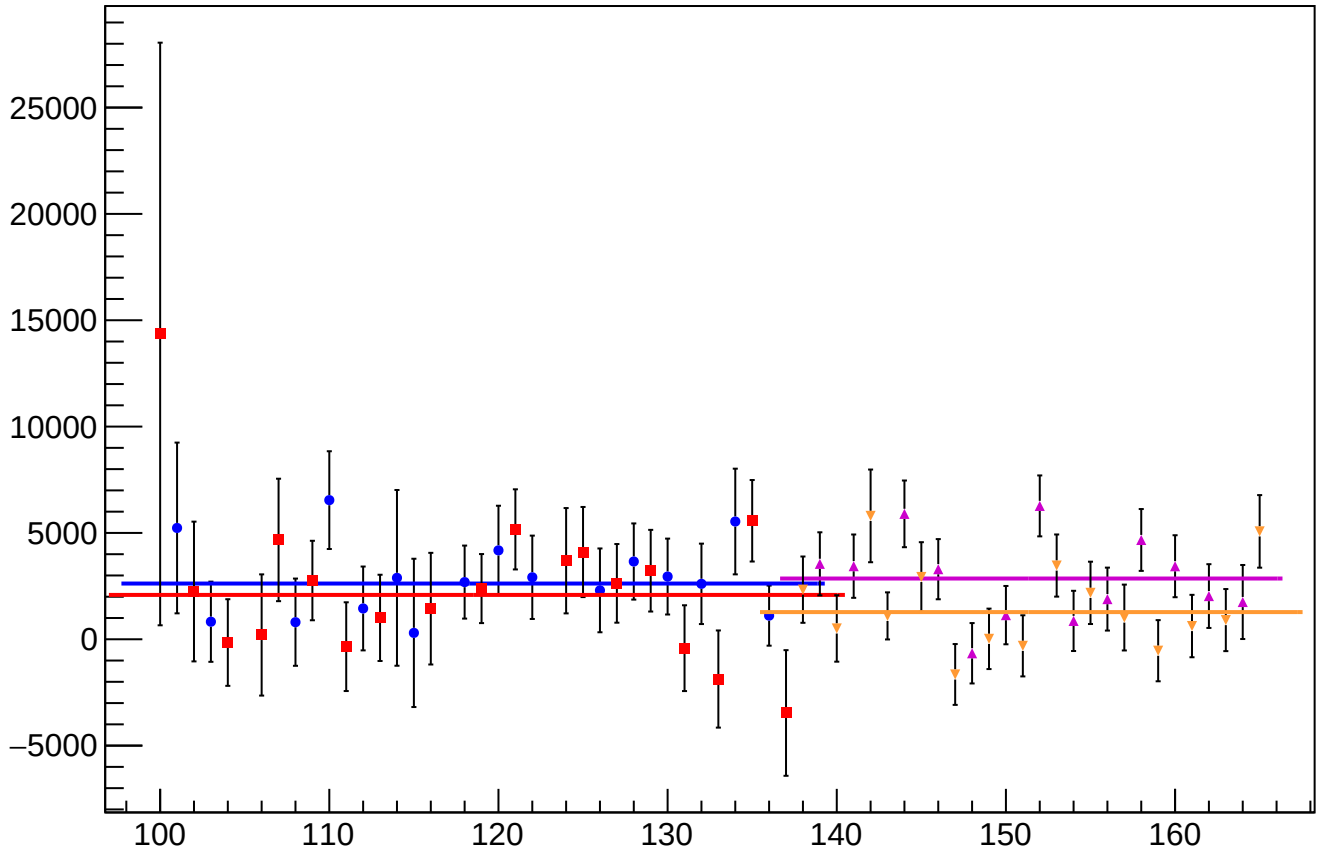
In: 1350.638+/-0.226 χ^2/NDF:518452.2/28

Out: 1322.632+/-0.216 χ^2/NDF:488576.0/33

All: 1336.019+/-0.156 χ^2/NDF: 1015073.5/62


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
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -937.526+/-1381.455 χ²/NDF:19.7/14
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1343.239+/-1549.867 χ²/NDF:8.5/12
Left: 72.252+/-1031.257 χ²/NDF: 29.4/27
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 52.859+/-1040.721 χ²/NDF:24.4/28
Out: -196.773+/-907.011 χ²/NDF:36.4/33
All: -89.014+/-683.773 χ²/NDF: 60.8/62


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4574.339+/-0.977 χ²/NDF:1448531.6/14
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5039.241+/-1.096 χ²/NDF:638611.5/12
Left: 4780.168+/-0.729 χ²/NDF: 2187425.7/27
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4262.963+/-0.736 χ²/NDF:2497262.8/28
Out: 3718.733+/-0.641 χ²/NDF:4635683.4/33
All: 3953.662+/-0.484 χ²/NDF: 7443777.6/62



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1278.258+/-383.419 χ^2/NDF:21.7/14

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2856.401+/-408.125 χ^2/NDF:22.4/12

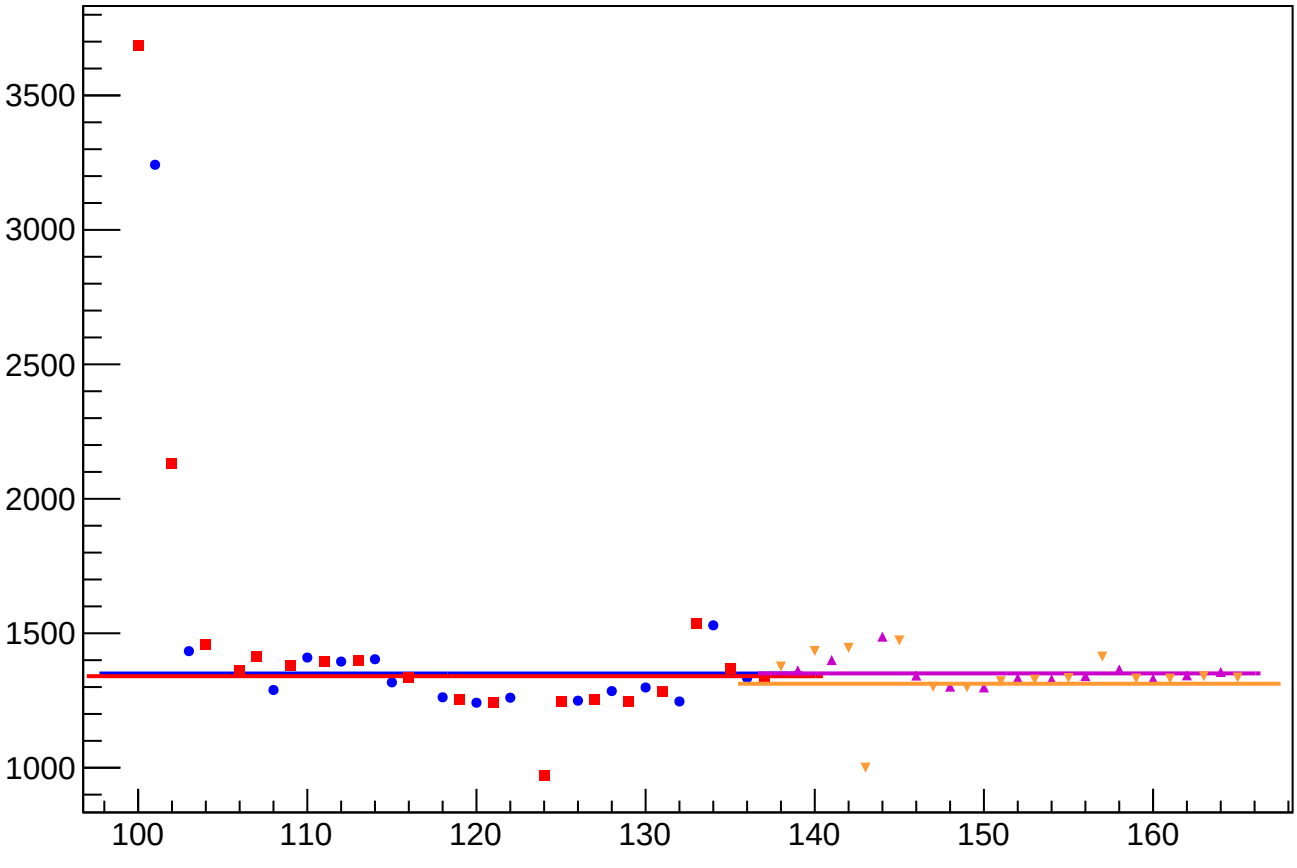
Left: 2018.121+/-279.445 χ^2/NDF: 52.1/27

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2764.653+/-319.021 χ^2/NDF:31.9/28

Out: 1573.573+/-305.347 χ^2/NDF:44.3/33

All: 2143.039+/-220.589 χ^2/NDF: 83.5/62



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1312.357+/-0.271 χ^2/NDF:212468.3/14

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1350.810+/-0.289 χ^2/NDF:24400.4/12

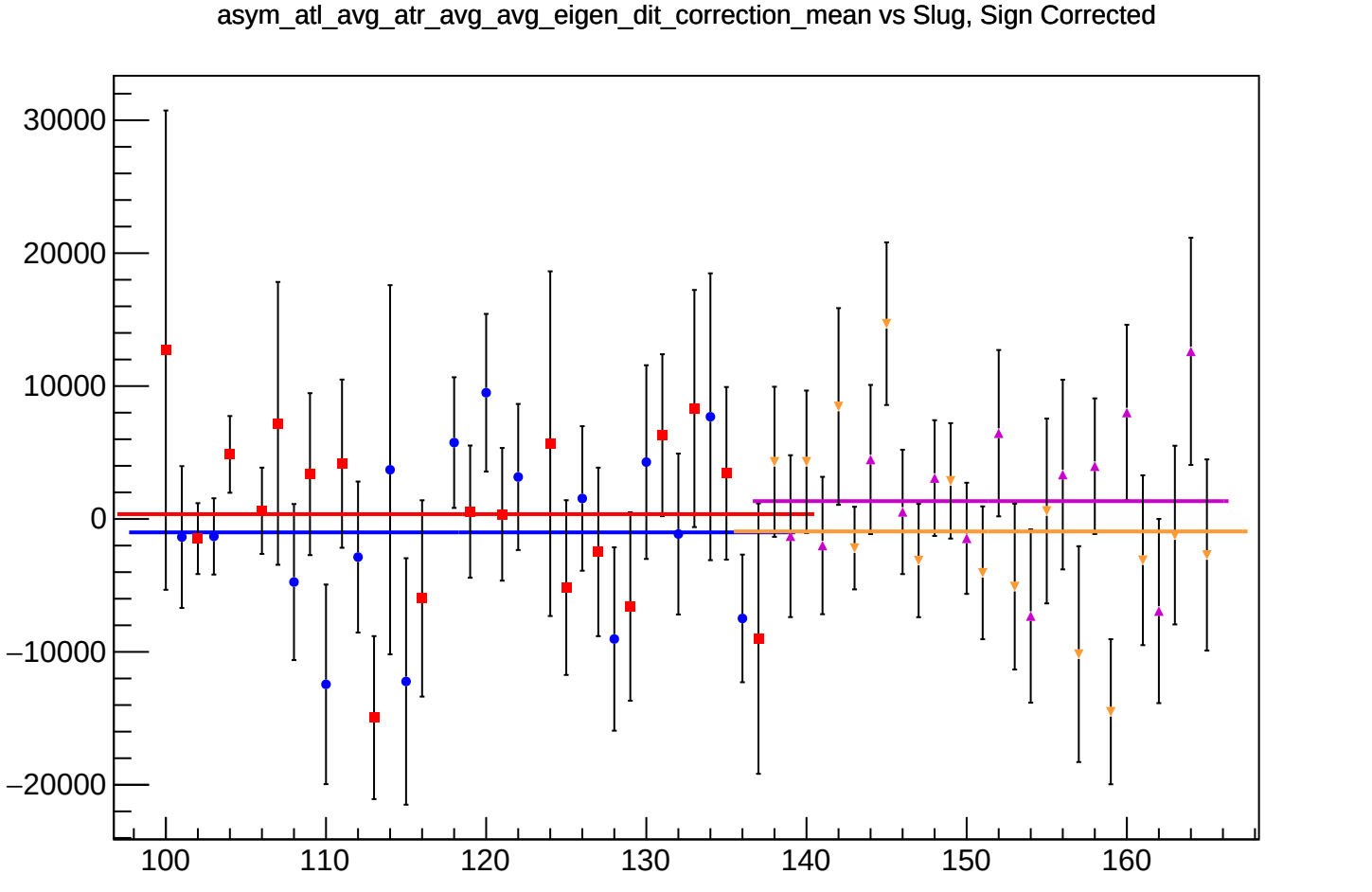
Left: 1330.385+/-0.198 χ^2/NDF: 246299.5/27

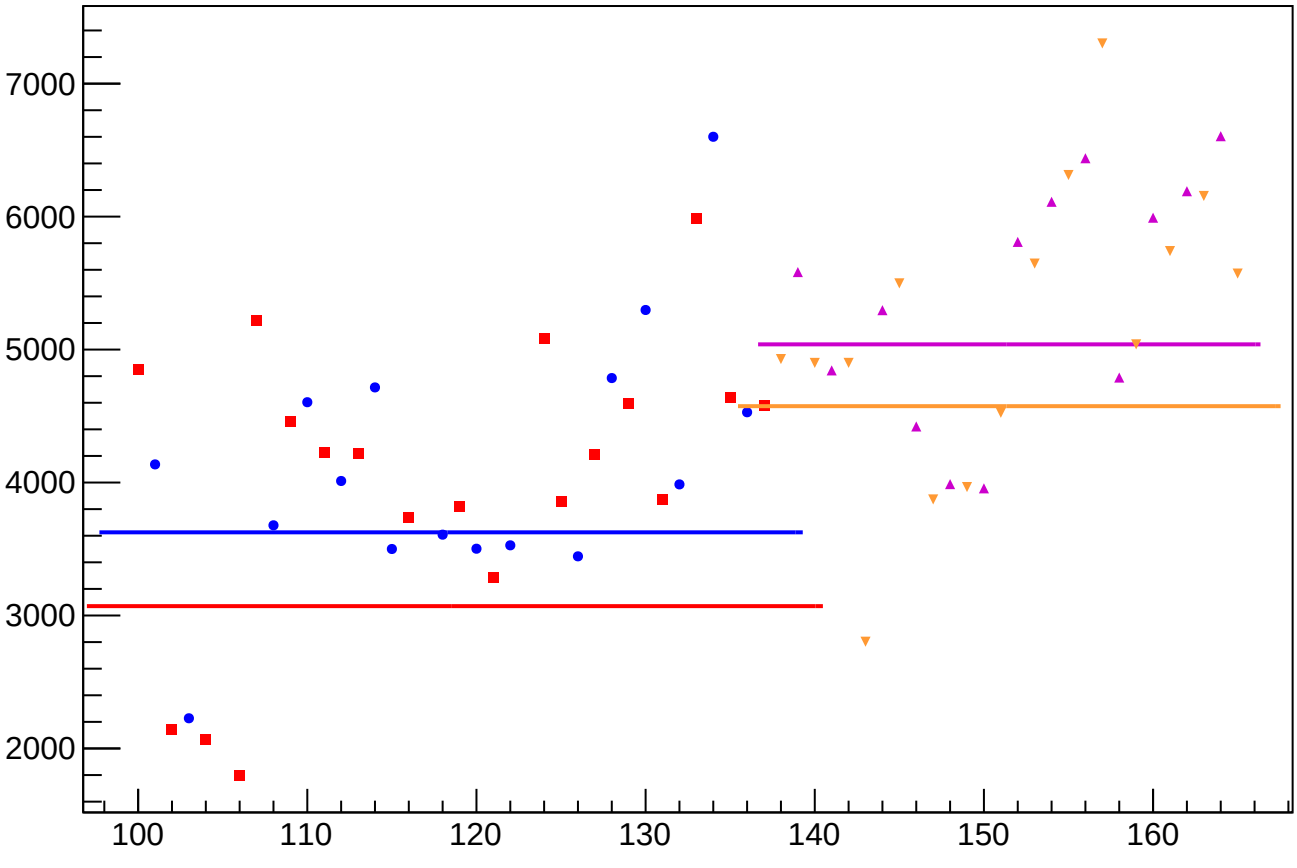
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

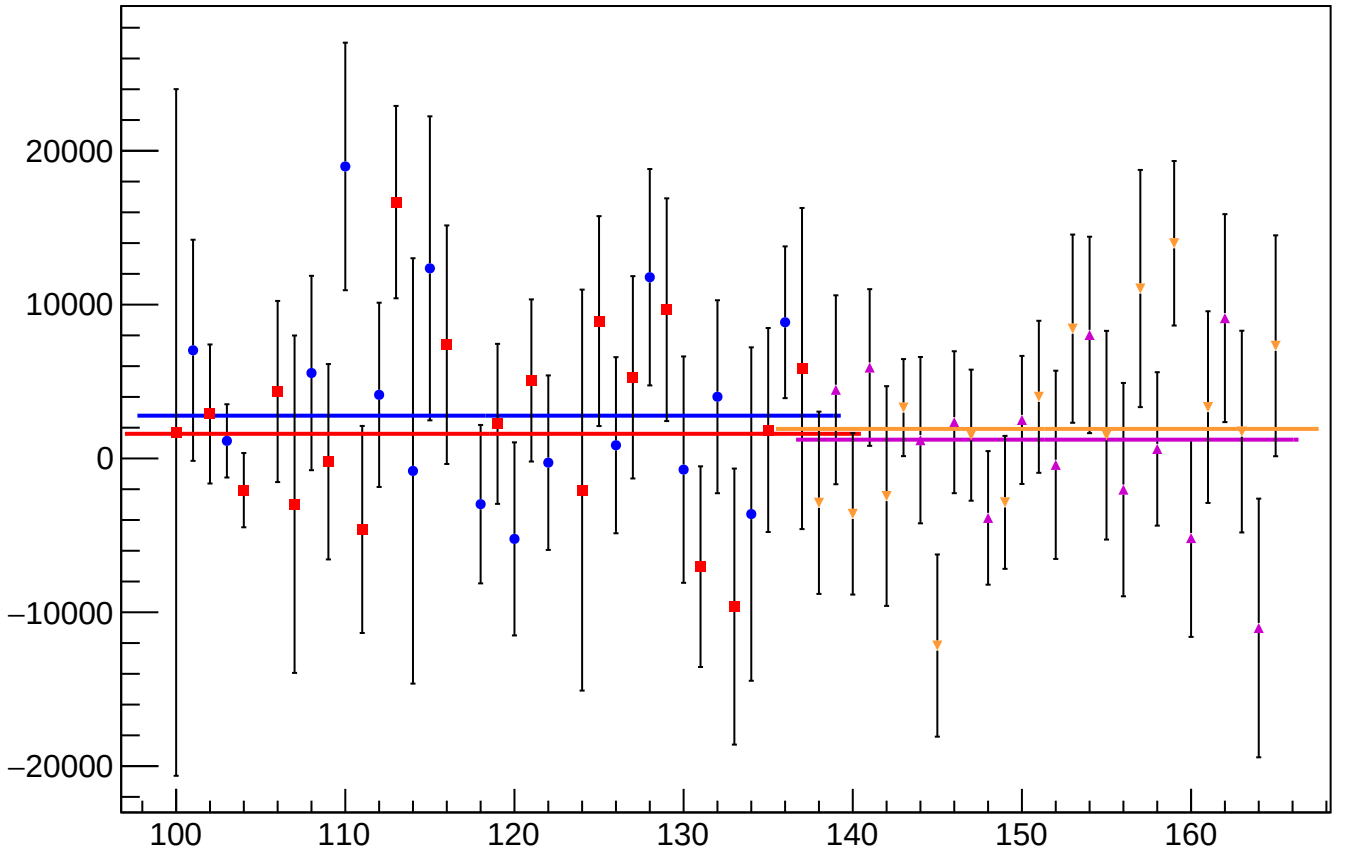
In: 1350.638+/-0.226 χ^2/NDF:518452.5/28

Out: 1322.633+/-0.216 χ^2/NDF:488575.1/33

All: 1336.020+/-0.156 χ^2/NDF: 1015073.0/62


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -937.532+/-1381.457 χ²/NDF:19.7/14
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1343.237+/-1549.869 χ²/NDF:8.5/12
Left: 72.248+/-1031.259 χ²/NDF: 29.4/27
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: 52.859+/-1040.721 χ²/NDF:24.4/28
Out: -196.772+/-907.010 χ²/NDF:36.4/33
All: -89.013+/-683.772 χ²/NDF: 60.8/62


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 4574.346+/-0.977 χ²/NDF:1448532.4/14
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 5039.248+/-1.096 χ²/NDF:638613.1/12
Left: 4780.175+/-0.729 χ²/NDF: 2187427.8/27
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 4262.958+/-0.736 χ²/NDF:2497287.6/28
Out: 3718.728+/-0.641 χ²/NDF:4635715.8/33
All: 3953.657+/-0.483 χ²/NDF: 7443835.7/62



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1920.933+/-1371.458 χ^2/NDF:17.6/14

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1221.358+/-1525.778 χ^2/NDF:8.6/12

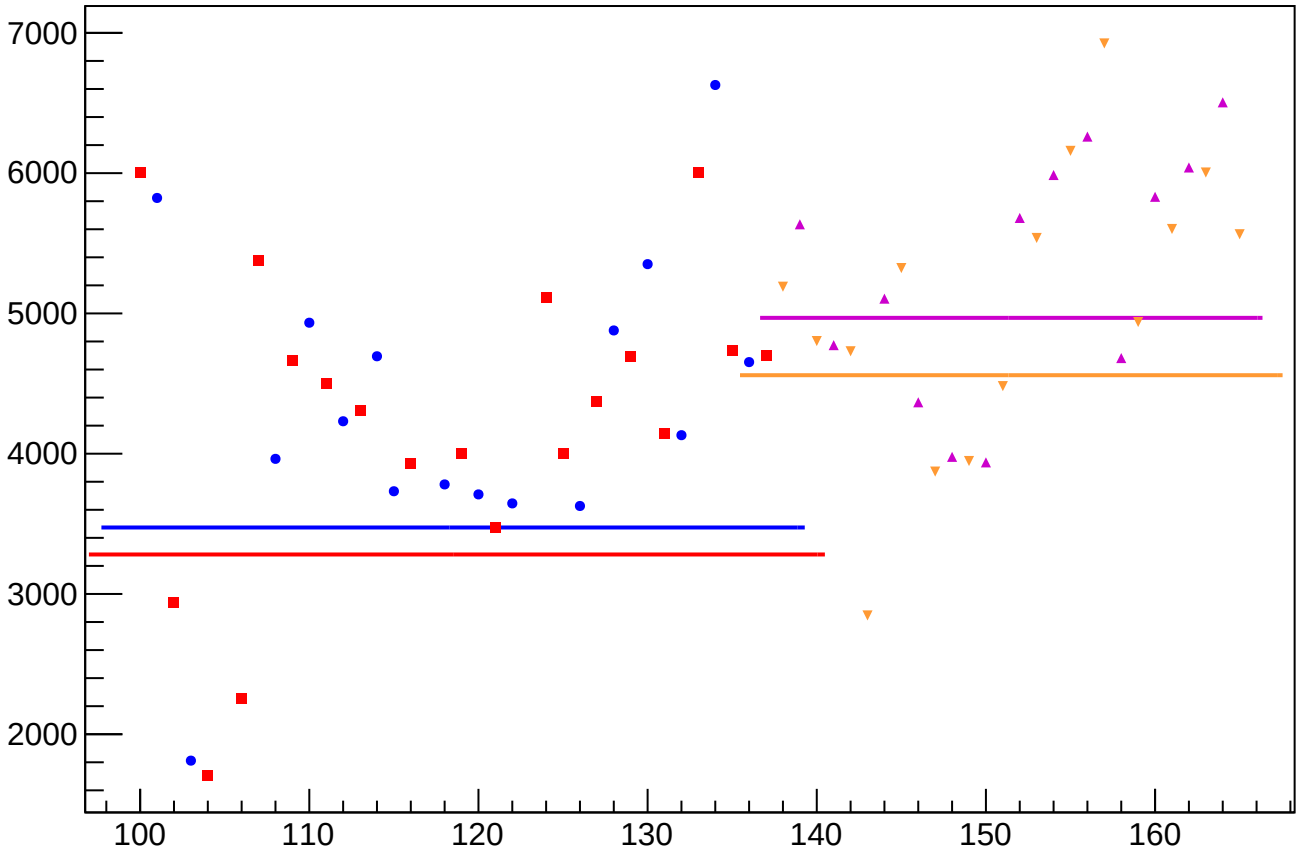
Left: 1608.303+/-1019.976 χ^2/NDF: 26.3/27

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2073.894+/-1027.308 χ^2/NDF:22.3/28

Out: 1757.733+/-957.359 χ^2/NDF:34.5/33

All: 1904.684+/-700.379 χ^2/NDF: 56.8/62



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4559.536+/-0.970 χ^2/NDF:1296392.7/14

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4968.392+/-1.079 χ^2/NDF:595779.3/12

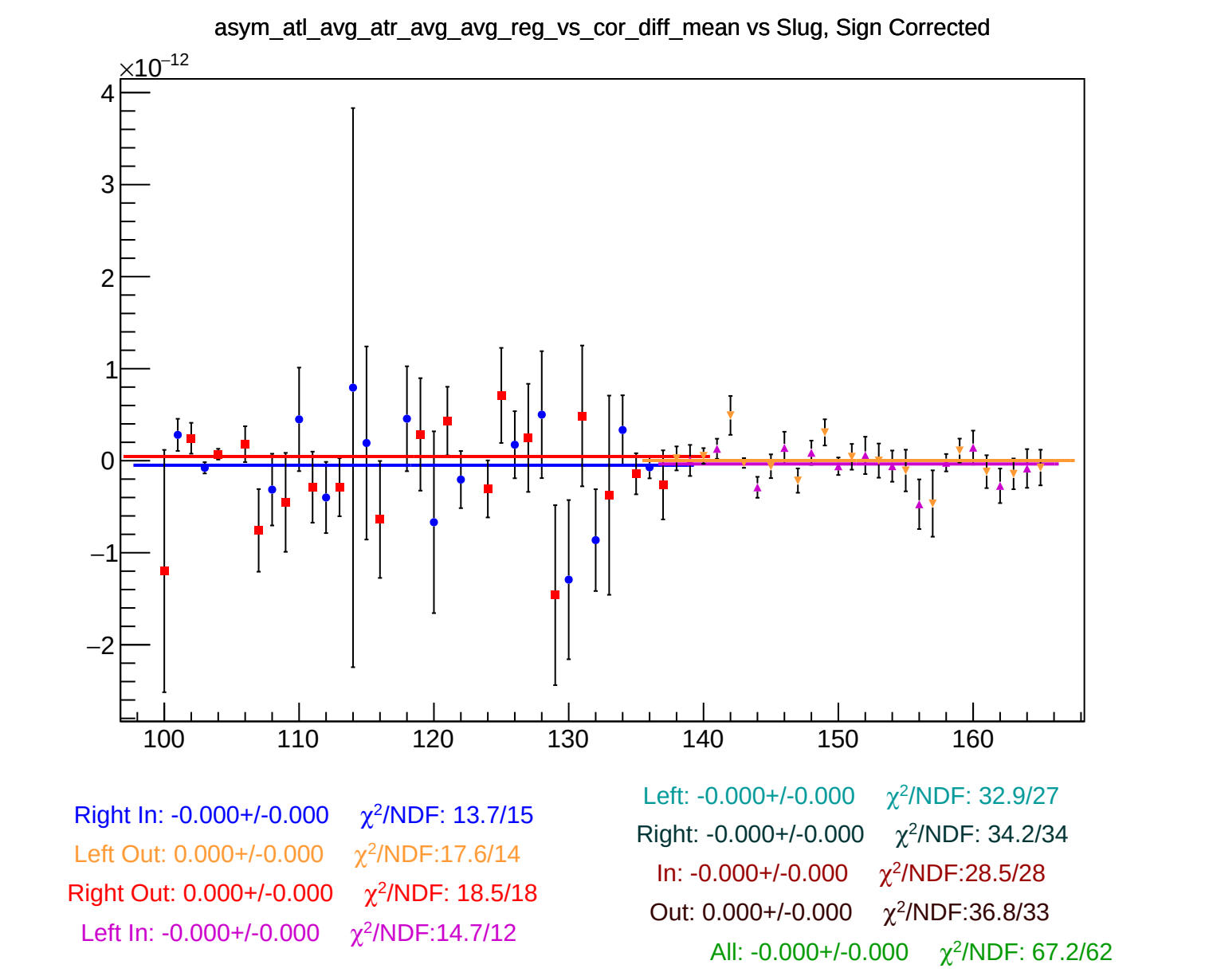
Left: 4742.248+/-0.721 χ^2/NDF: 1971605.6/27

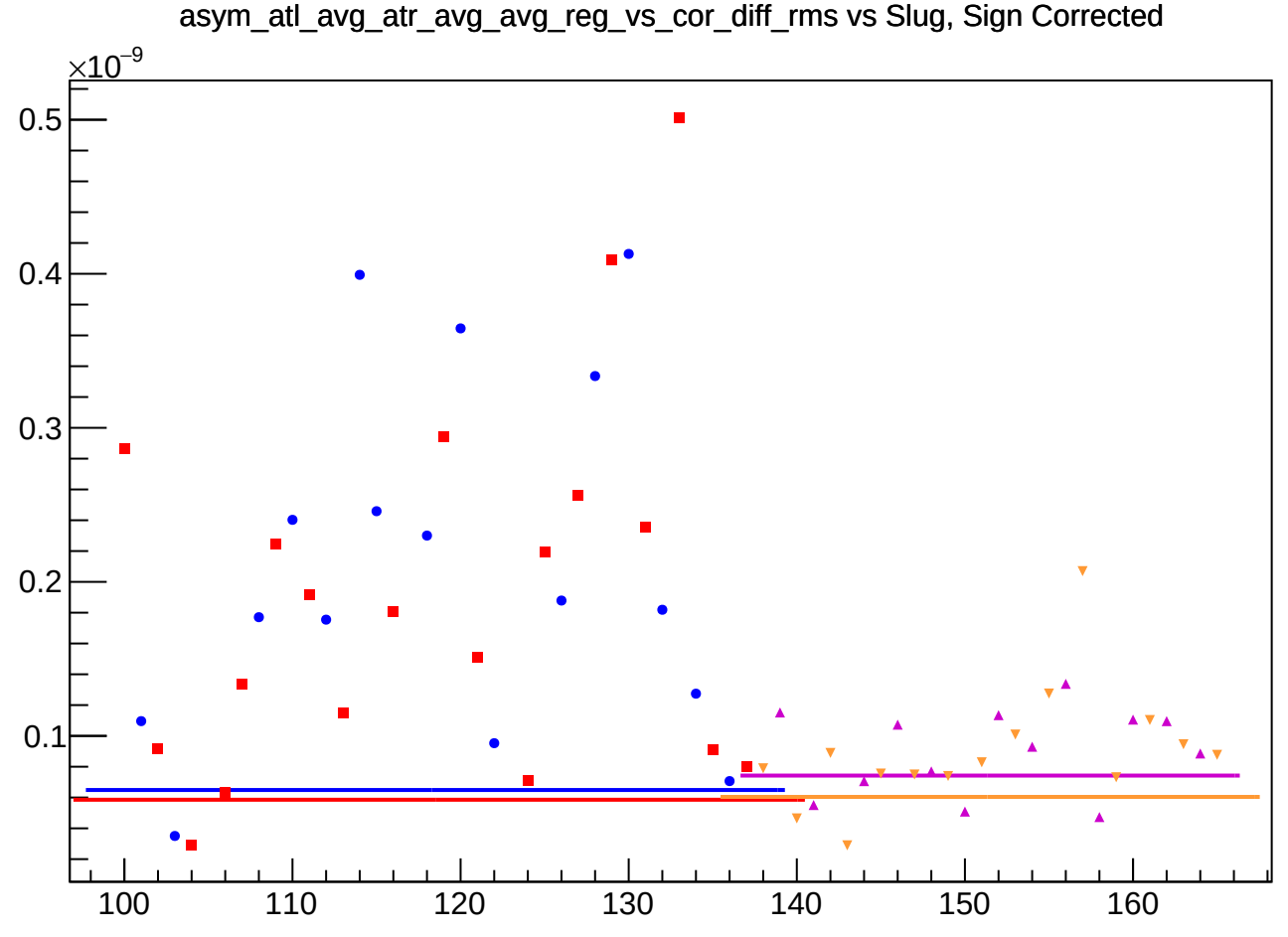
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4151.397+/-0.726 χ^2/NDF:3488708.3/28

Out: 3895.474+/-0.672 χ^2/NDF:4074338.0/33

All: 4013.523+/-0.493 χ^2/NDF: 7629915.2/62


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:17.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/12
Left: -0.000+/-0.000 χ²/NDF: 32.9/27
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:28.5/28
Out: 0.000+/-0.000 χ²/NDF:36.8/33
All: -0.000+/-0.000 χ²/NDF: 67.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1860022.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:891071.9/12

Left: 0.000+/-0.000 χ^2/NDF: 2904428.7/27

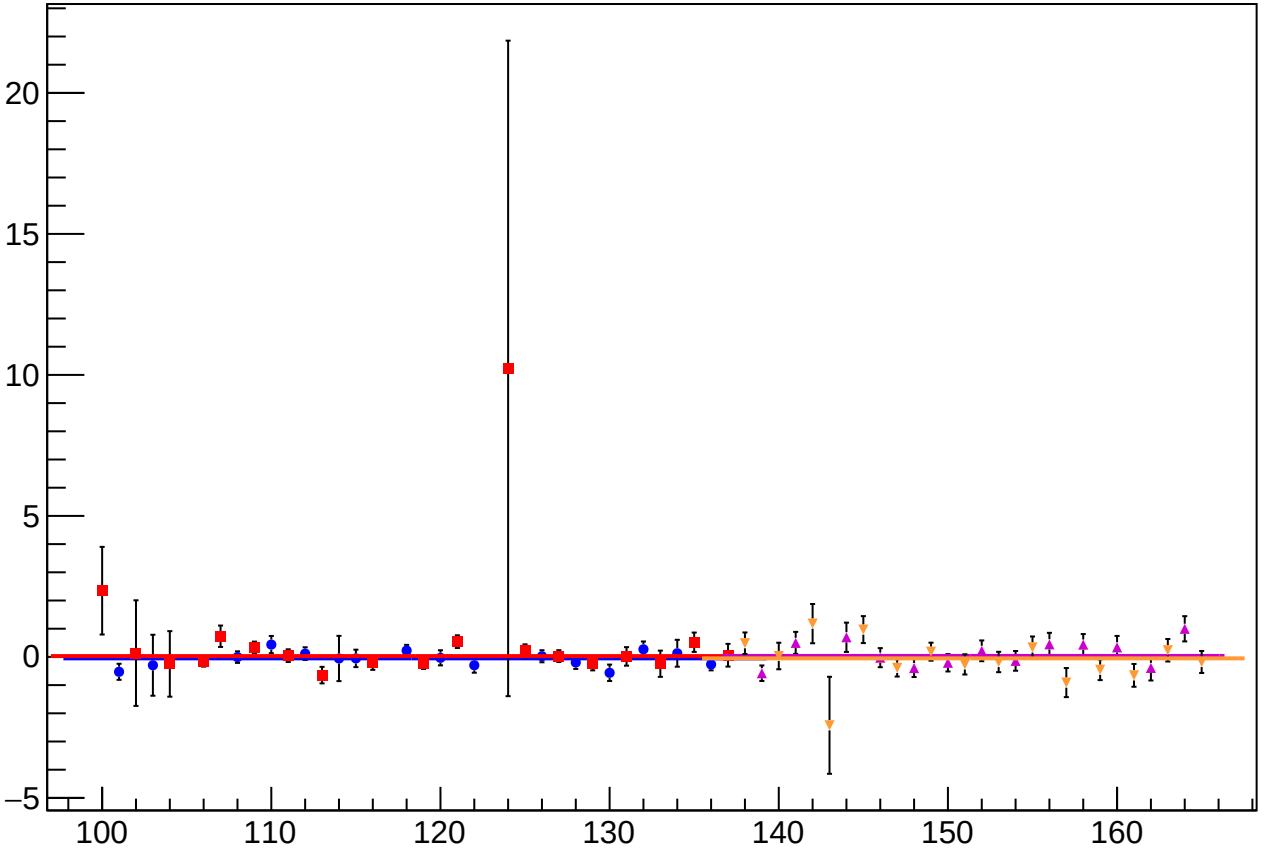
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3529407.3/28

Out: 0.000+/-0.000 χ^2/NDF:4717183.5/33

All: 0.000+/-0.000 χ^2/NDF: 8390240.3/62

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: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.008+/-0.073 χ^2/NDF: 41.2/27

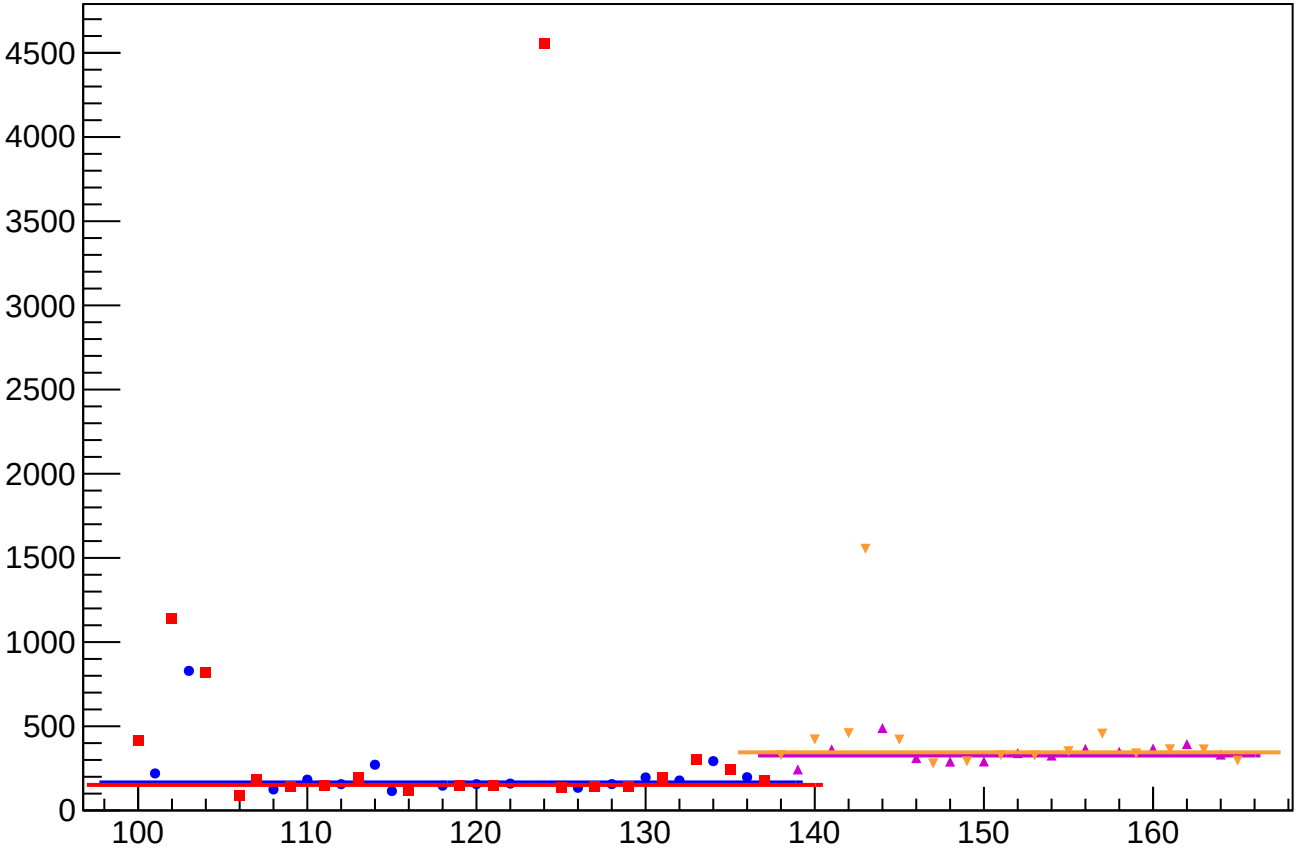
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.009+/-0.039 χ^2/NDF: 84.4/62

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: 345.257+/-0.074 χ^2/NDF:1438148.6/14

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

Left: 335.615+/-0.052 χ^2/NDF: 2019071.0/27

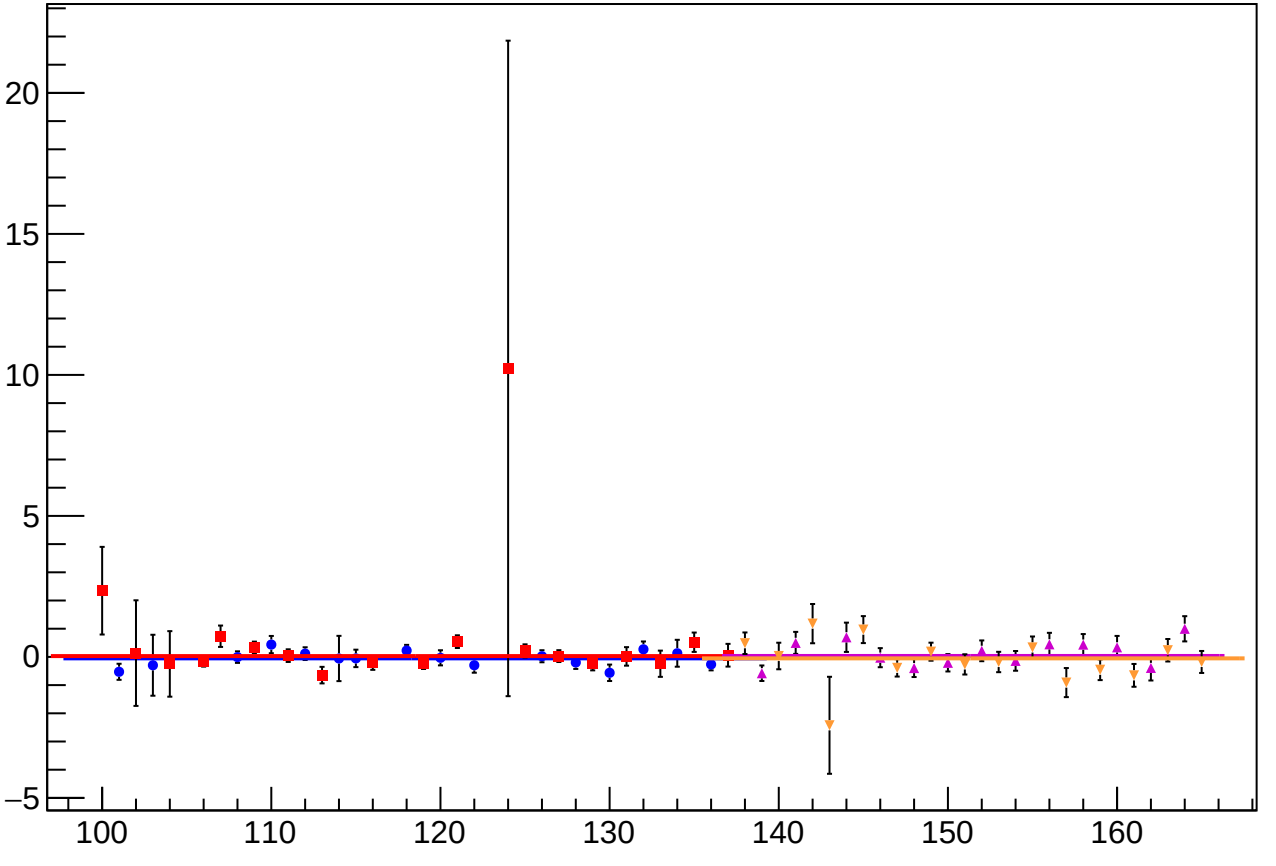
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 214.876+/-0.039 χ^2/NDF:5324176.0/28

Out: 204.209+/-0.039 χ^2/NDF:8702016.3/33

All: 209.441+/-0.028 χ^2/NDF: 14063540.7/62

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: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.008+/-0.073 χ^2/NDF: 41.2/27

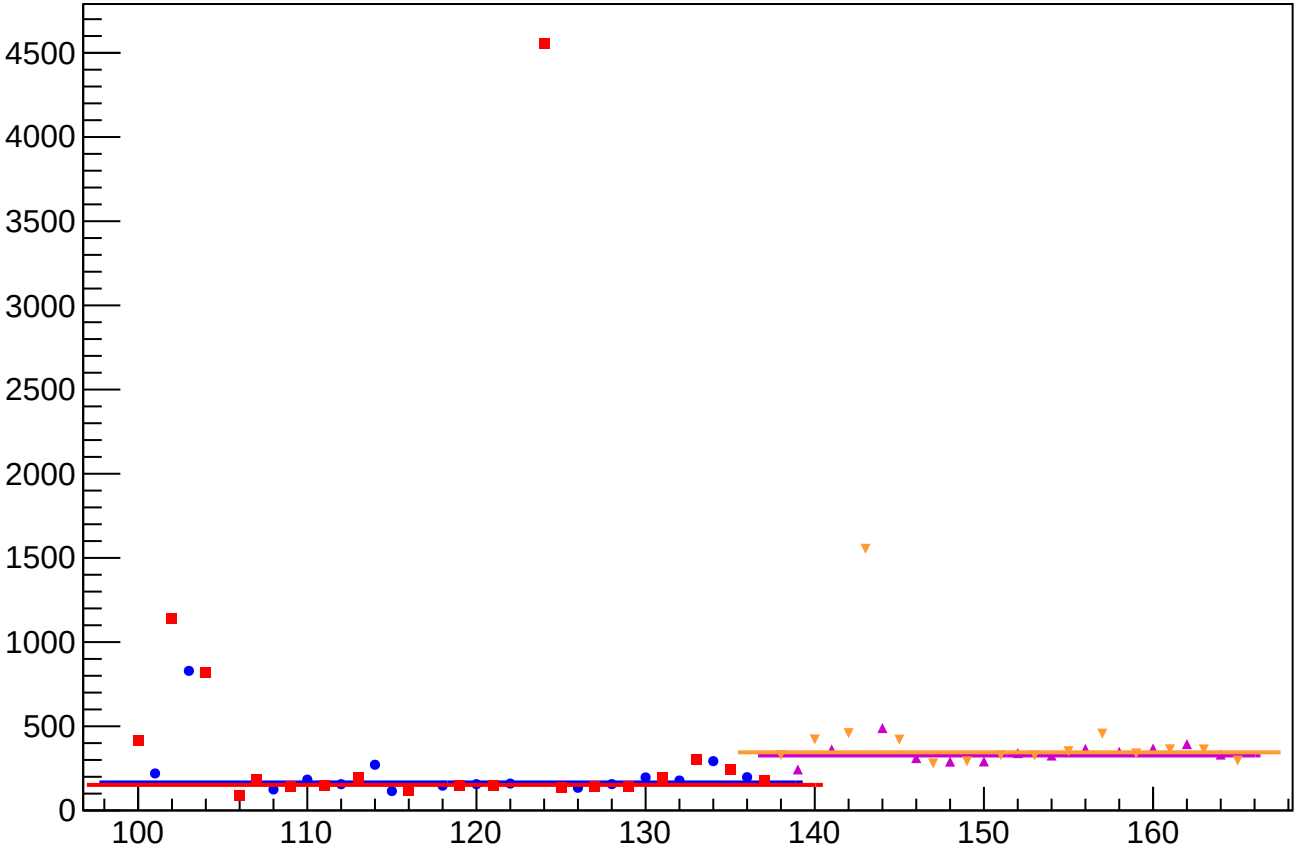
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.009+/-0.039 χ^2/NDF: 84.4/62

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: 345.257+/-0.074 χ^2/NDF:1438148.6/14

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

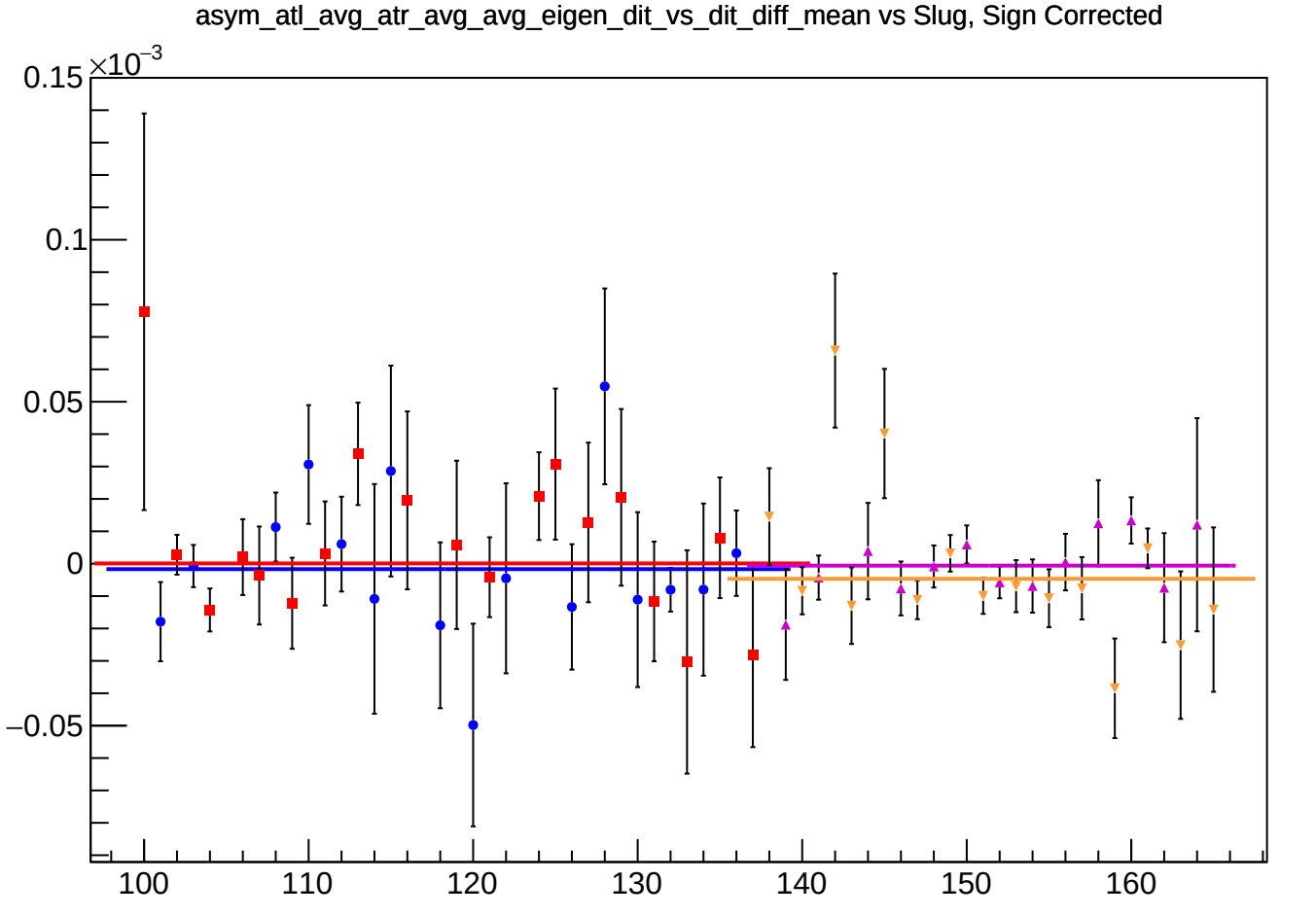
Left: 335.615+/-0.052 χ^2/NDF: 2019071.0/27

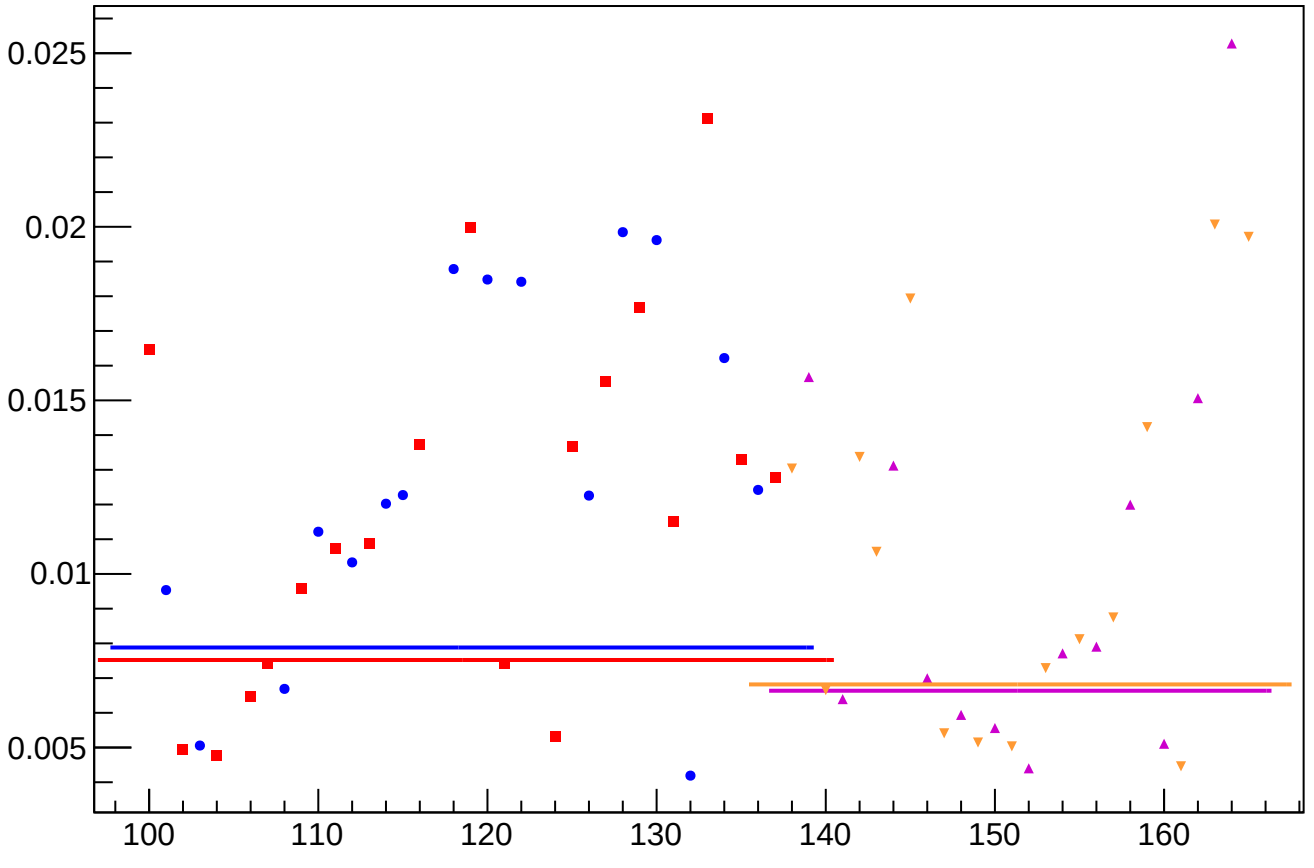
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 214.876+/-0.039 χ^2/NDF:5324176.0/28

Out: 204.209+/-0.039 χ^2/NDF:8702016.3/33

All: 209.441+/-0.028 χ^2/NDF: 14063540.7/62


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.15
0.1
0.05
0
−0.05
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.5/15
Left Out: -0.000+/-0.000 χ²/NDF:29.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.3/12
Left: -0.000+/-0.000 χ²/NDF: 41.0/27
Right: -0.000+/-0.000 χ²/NDF: 35.5/34
In: -0.000+/-0.000 χ²/NDF:25.8/28
Out: -0.000+/-0.000 χ²/NDF:50.4/33
All: -0.000+/-0.000 χ²/NDF: 76.9/62



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:3905448.9/14

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3088265.4/12

Left: 0.007+/-0.000 χ^2/NDF: 7000269.9/27

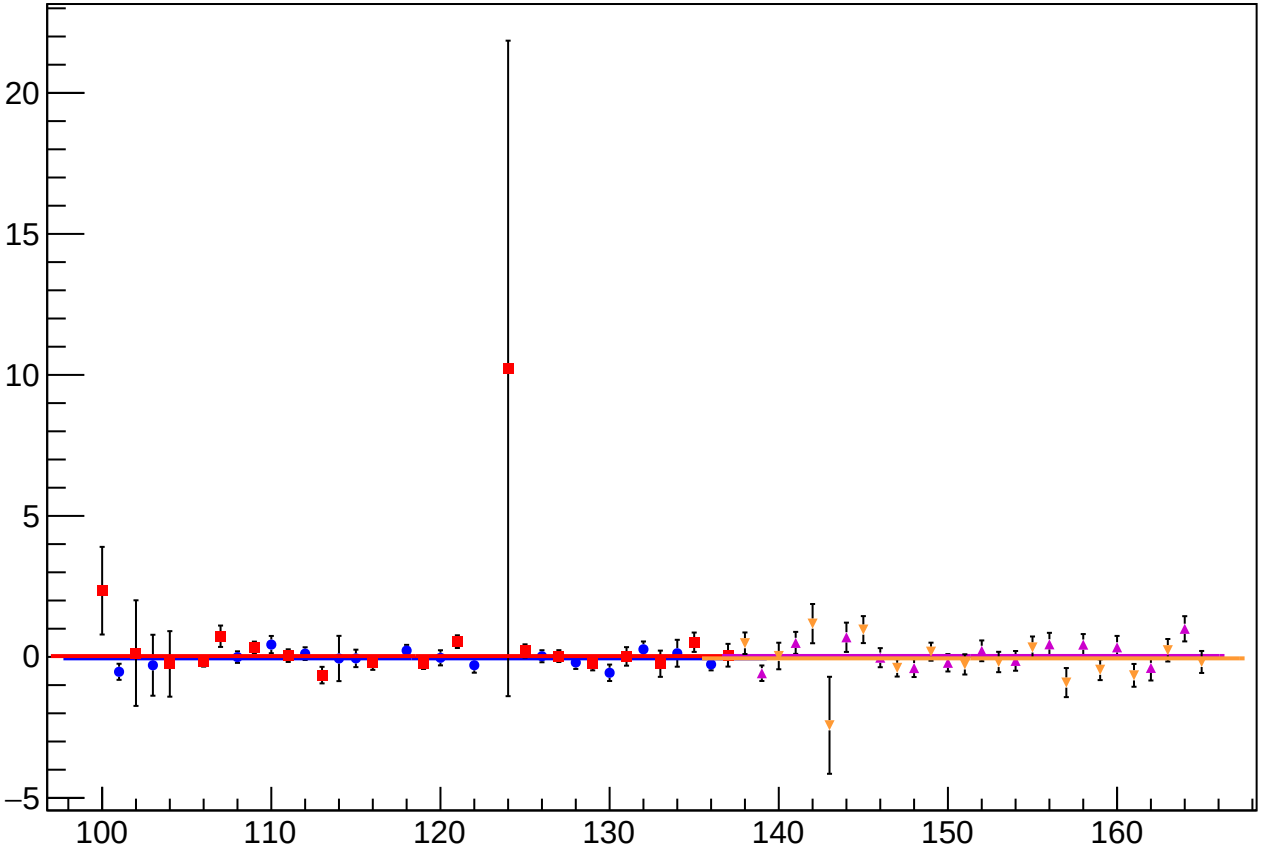
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:6576118.2/28

Out: 0.007+/-0.000 χ^2/NDF:6947508.8/33

All: 0.007+/-0.000 χ^2/NDF: 13524036.0/62

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: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.008+/-0.073 χ^2/NDF: 41.2/27

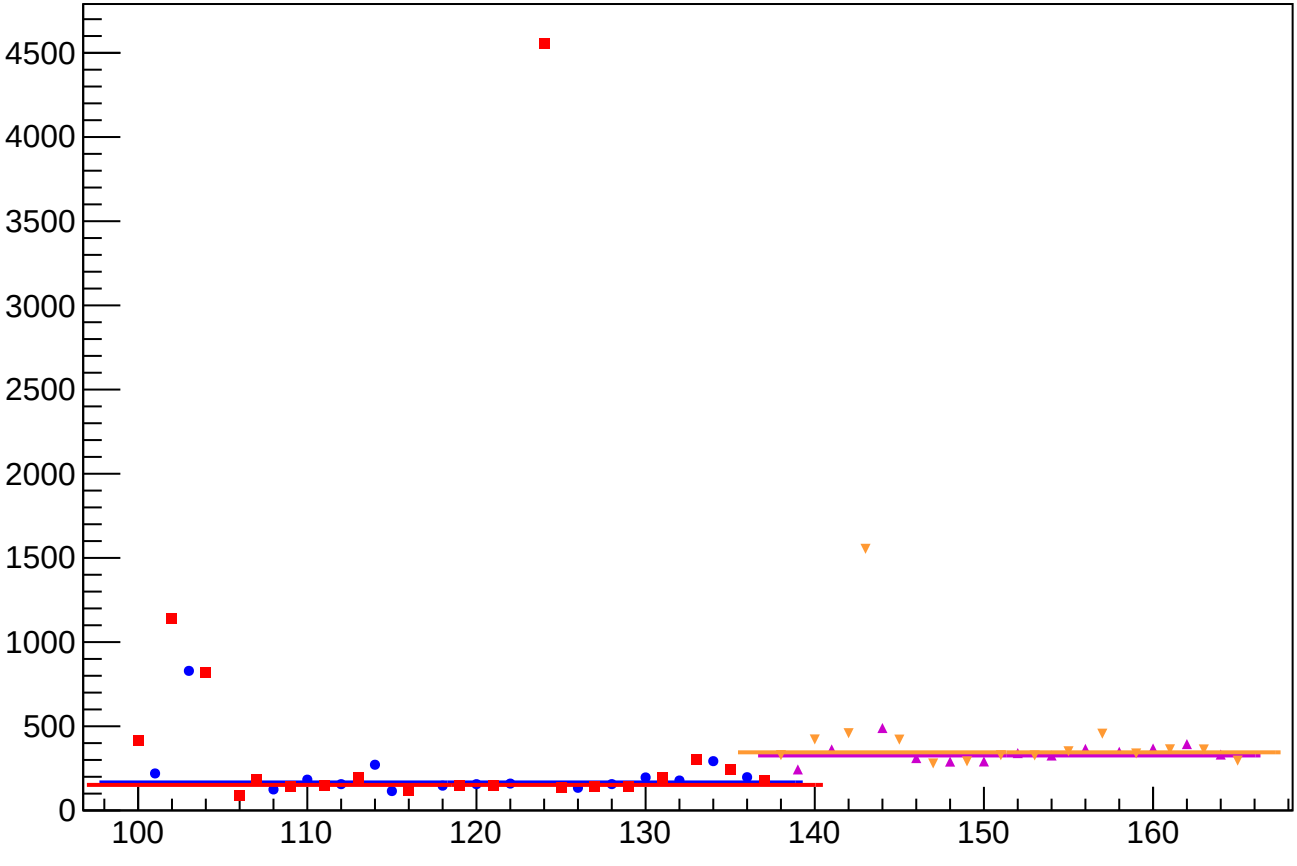
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.009+/-0.039 χ^2/NDF: 84.4/62

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: 345.262+/-0.074 χ^2/NDF:1438143.7/14

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

Left: 335.621+/-0.052 χ^2/NDF: 2019058.2/27

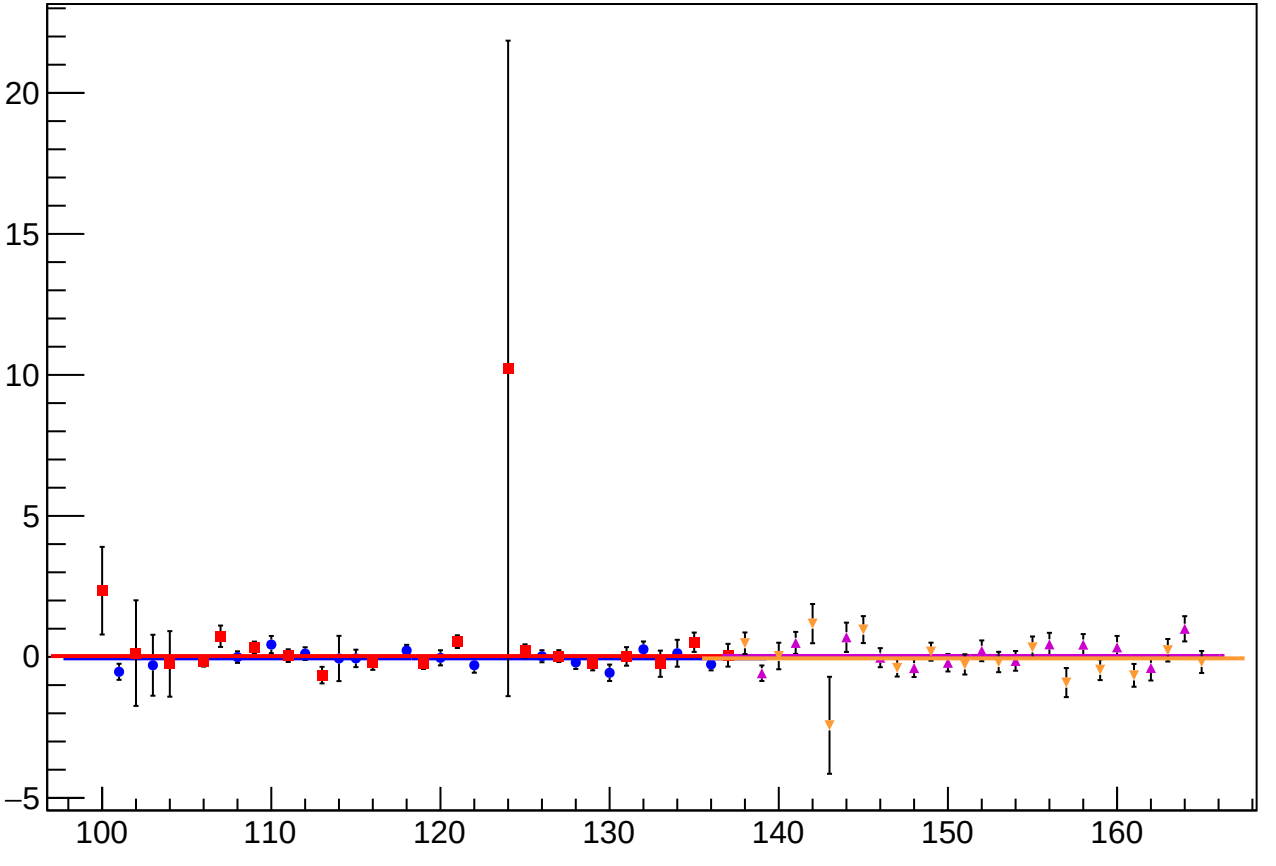
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 214.876+/-0.039 χ^2/NDF:5324352.6/28

Out: 204.208+/-0.039 χ^2/NDF:8702268.1/33

All: 209.440+/-0.028 χ^2/NDF: 14063975.9/62

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: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.008+/-0.073 χ^2/NDF: 41.2/27

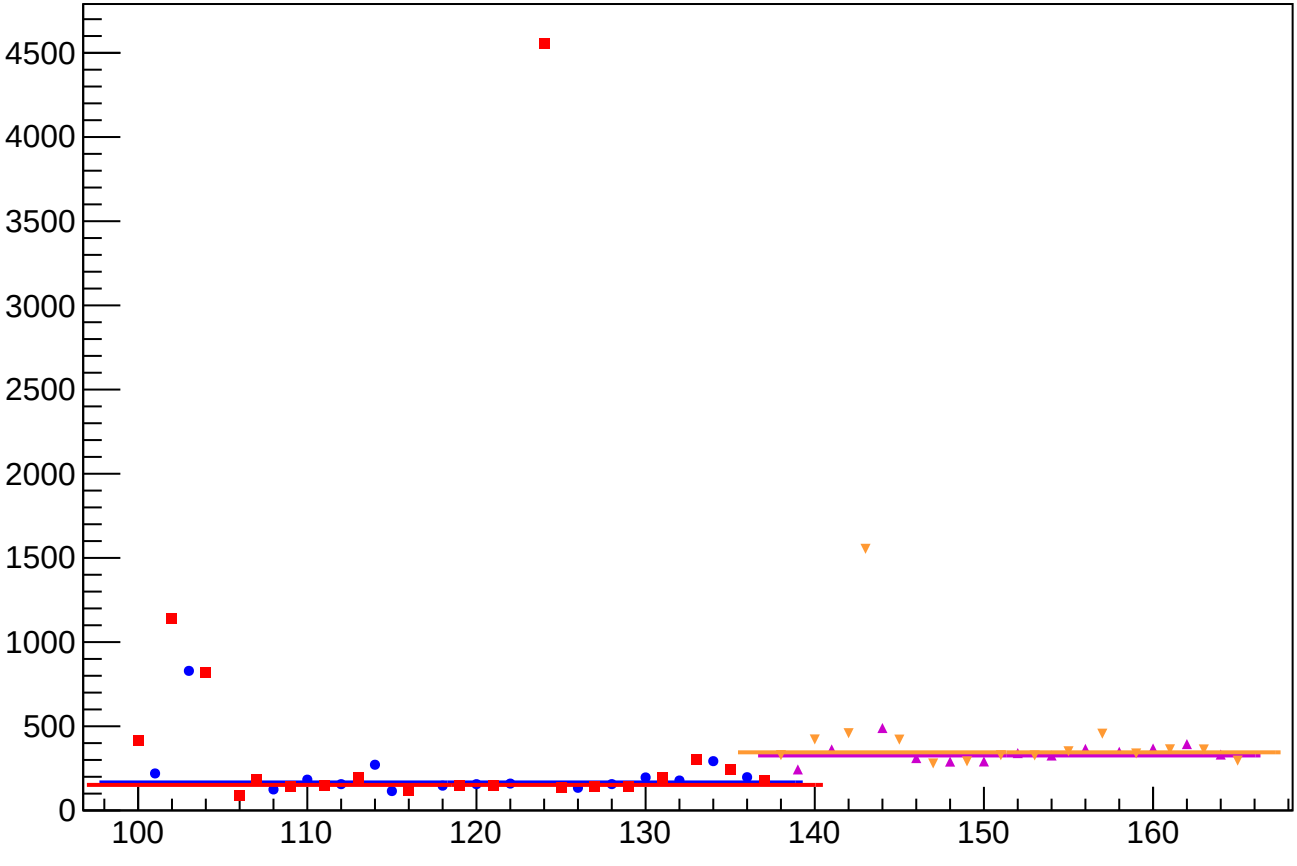
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.009+/-0.039 χ^2/NDF: 84.4/62

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: 345.262+/-0.074 χ^2/NDF:1438143.7/14

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

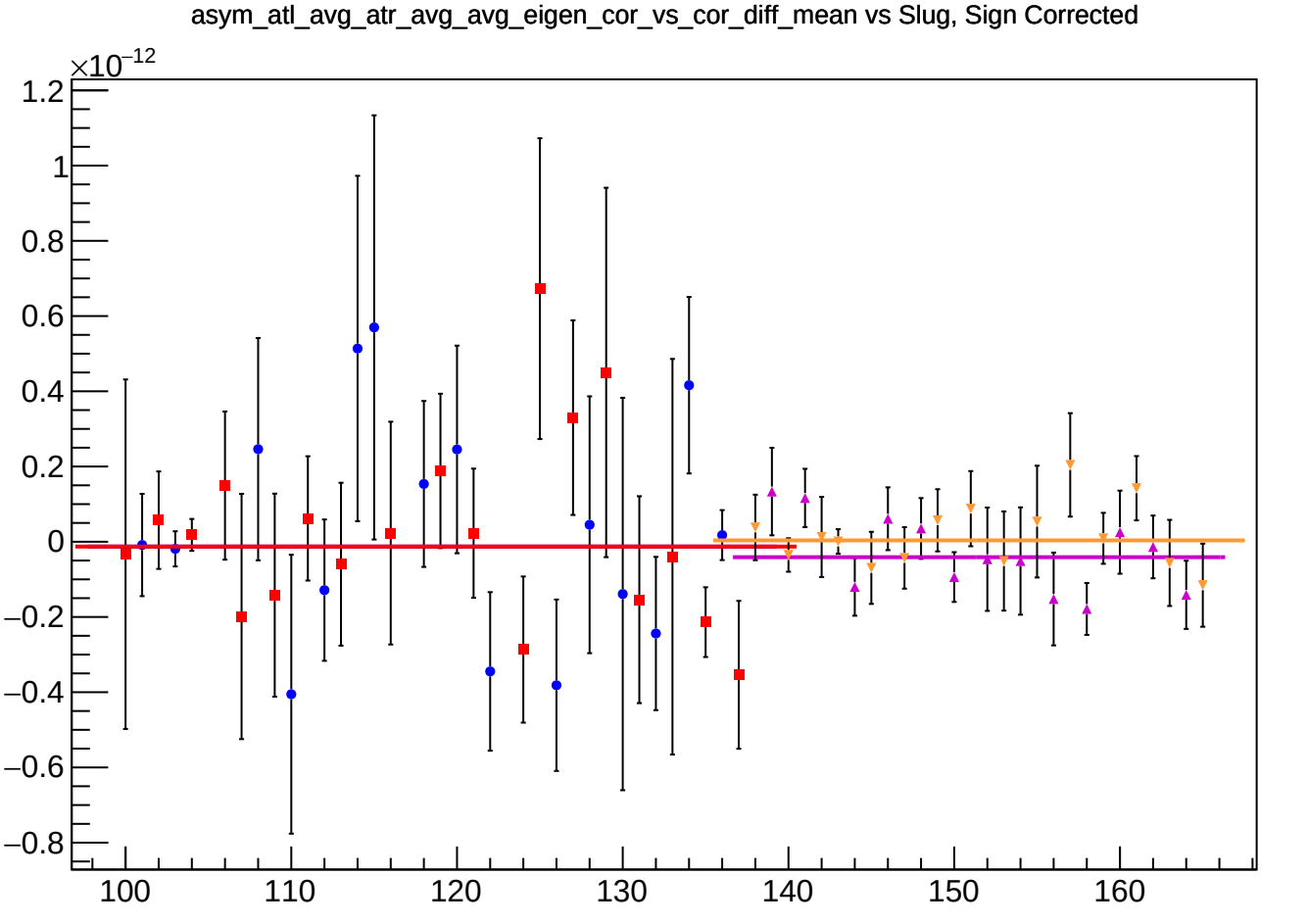
Left: 335.621+/-0.052 χ^2/NDF: 2019058.2/27

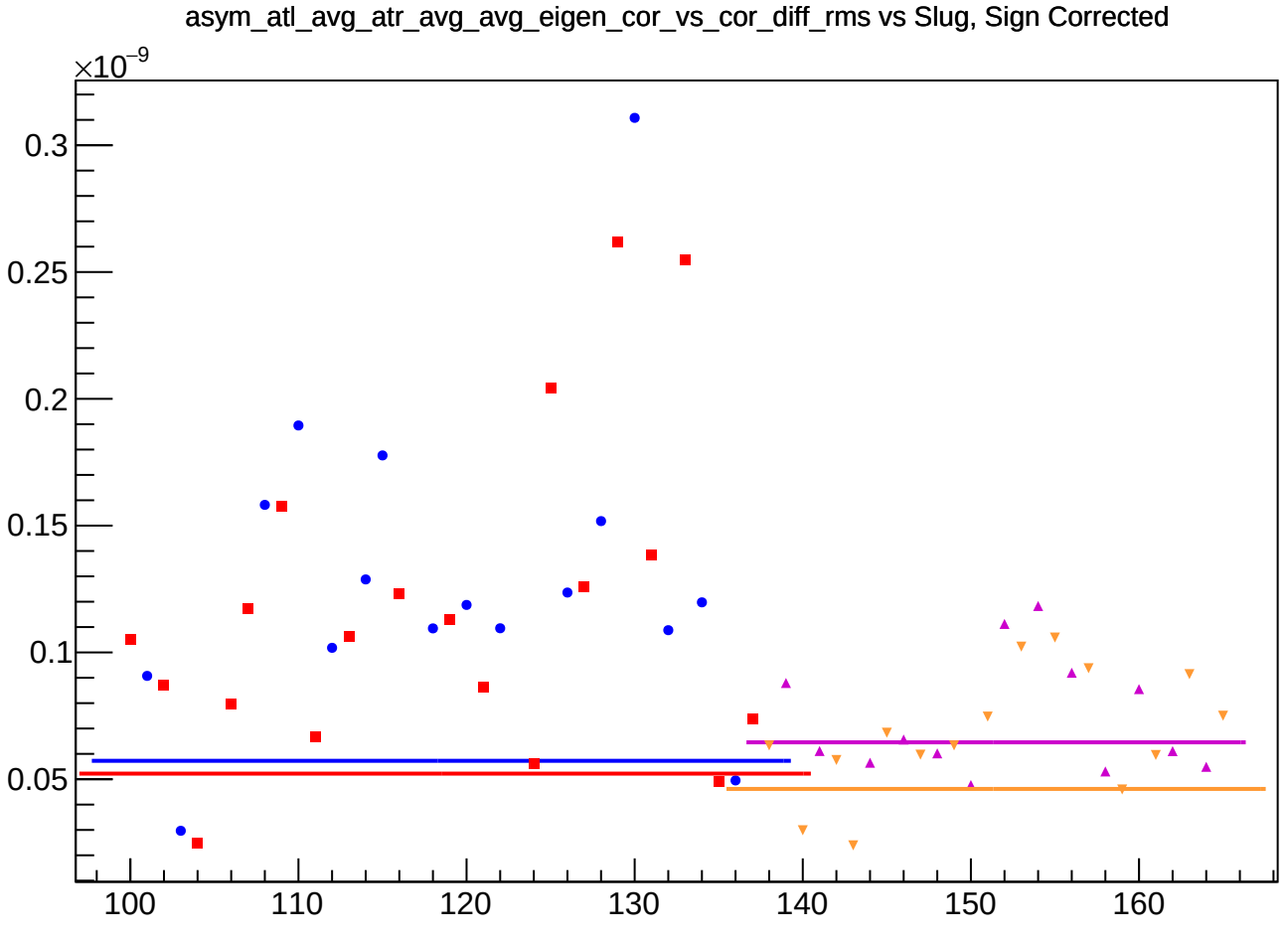
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

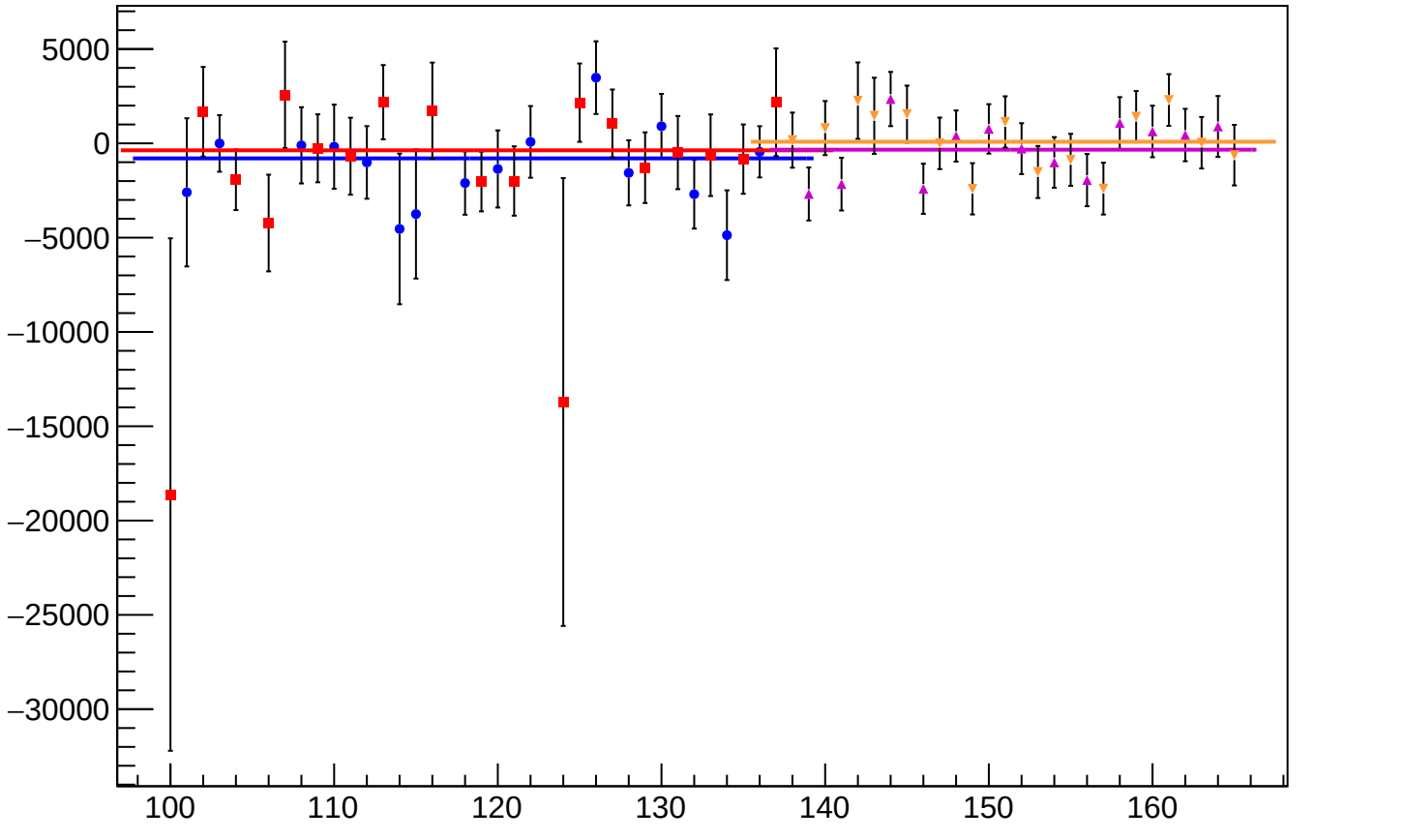
In: 214.876+/-0.039 χ^2/NDF:5324352.6/28

Out: 204.208+/-0.039 χ^2/NDF:8702268.1/33

All: 209.440+/-0.028 χ^2/NDF: 14063975.9/62


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
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:9.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:16.9/12
Left: -0.000+/-0.000 χ²/NDF: 28.5/27
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:33.5/28
Out: -0.000+/-0.000 χ²/NDF:28.5/33
All: -0.000+/-0.000 χ²/NDF: 63.5/62


asym_atl_avg_atr_avg_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:3131257.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:1010235.6/12
Left: 0.000+/-0.000 χ²/NDF: 4848403.1/27
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:4056276.0/28
Out: 0.000+/-0.000 χ²/NDF:6473222.3/33
All: 0.000+/-0.000 χ²/NDF: 11151422.4/62



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 85.600+/-375.854 χ^2/NDF:15.7/14

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -335.968+/-383.793 χ^2/NDF:15.5/12

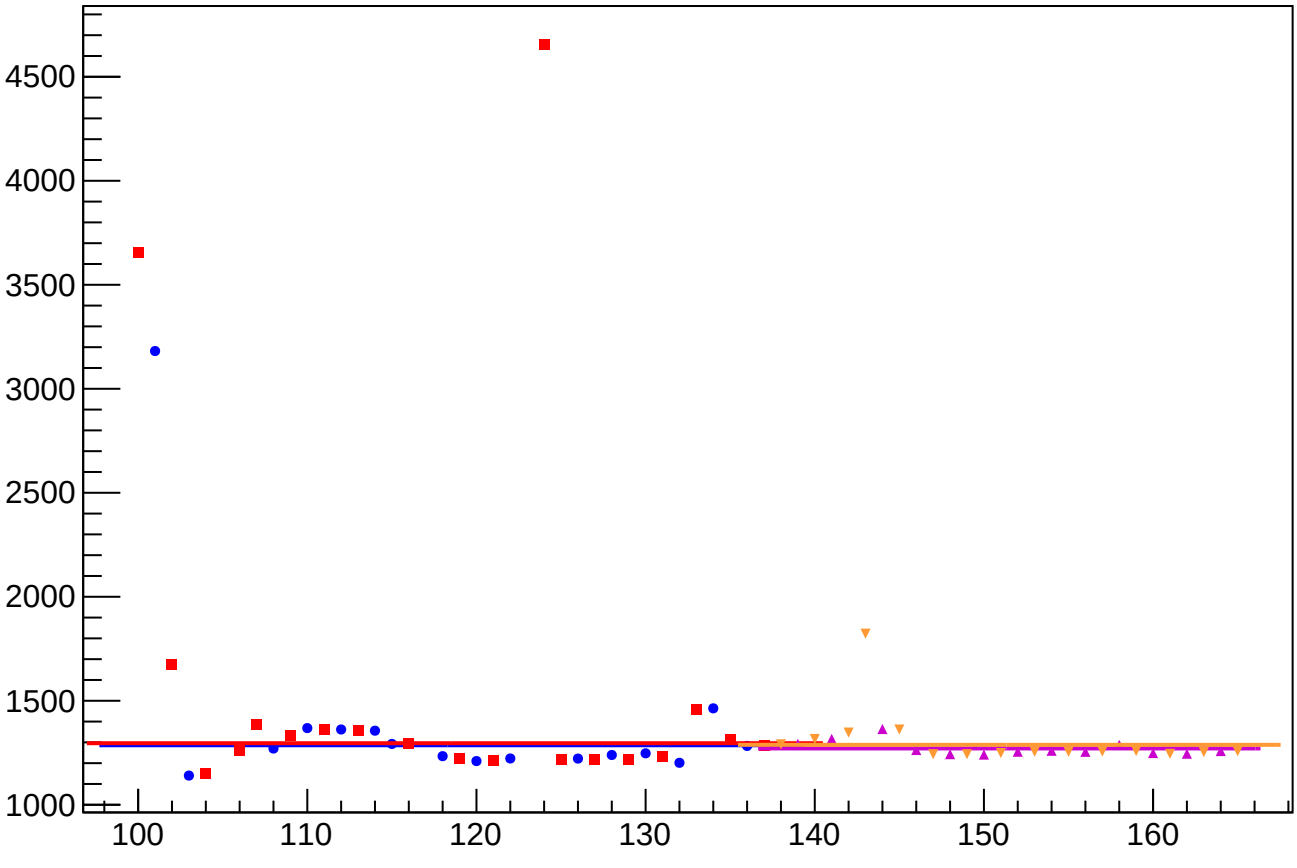
Left: -120.779+/-268.531 χ^2/NDF: 31.7/27

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -512.505+/-301.545 χ^2/NDF:29.4/28

Out: -84.990+/-297.276 χ^2/NDF:31.8/33

All: -295.700+/-211.699 χ^2/NDF: 62.3/62



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1279.680+/-0.190 χ^2/NDF: 179493.8/27

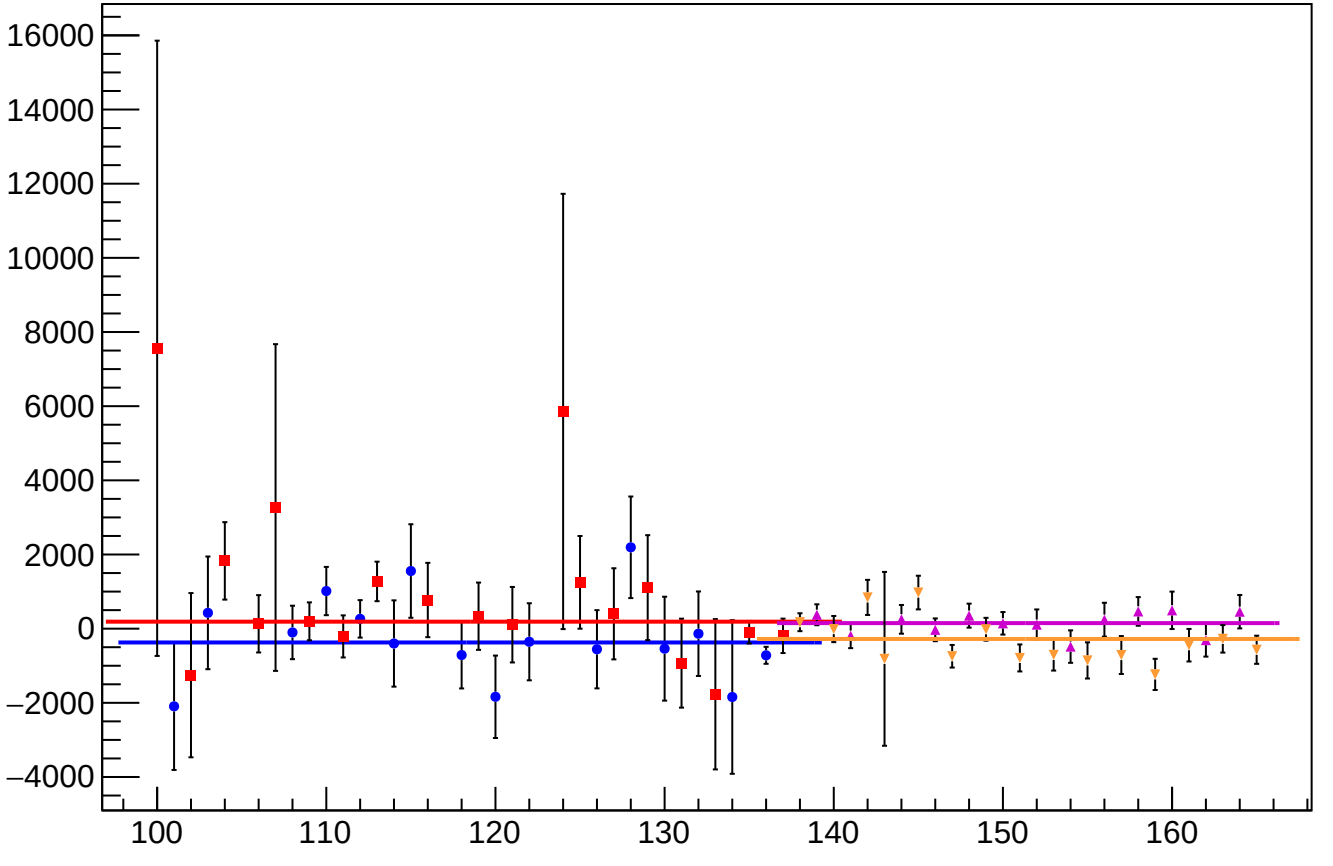
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1276.631+/-0.213 χ^2/NDF:534670.4/28

Out: 1291.119+/-0.210 χ^2/NDF:490442.4/33

All: 1283.978+/-0.150 χ^2/NDF: 1027454.0/62

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: -277.637+/-98.911 χ^2/NDF:31.4/14

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 149.808+/-102.223 χ^2/NDF:7.3/12

Left: -70.951+/-71.083 χ^2/NDF: 47.7/27

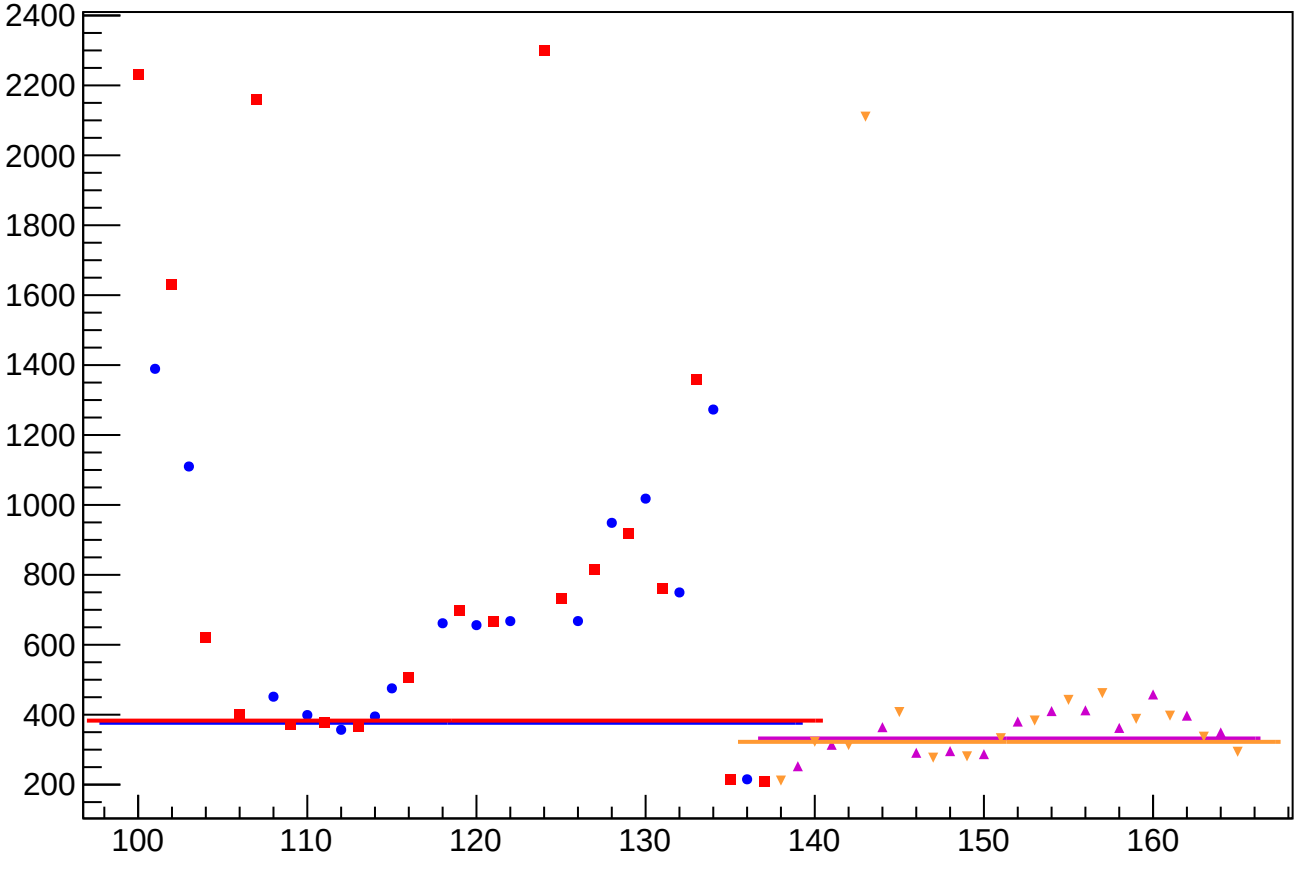
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 8.978+/-87.356 χ^2/NDF:32.5/28

Out: -159.193+/-85.439 χ^2/NDF:51.7/33

All: -76.973+/-61.081 χ^2/NDF: 86.1/62

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: 322.357+/-0.070 χ^2/NDF:2170940.0/14

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

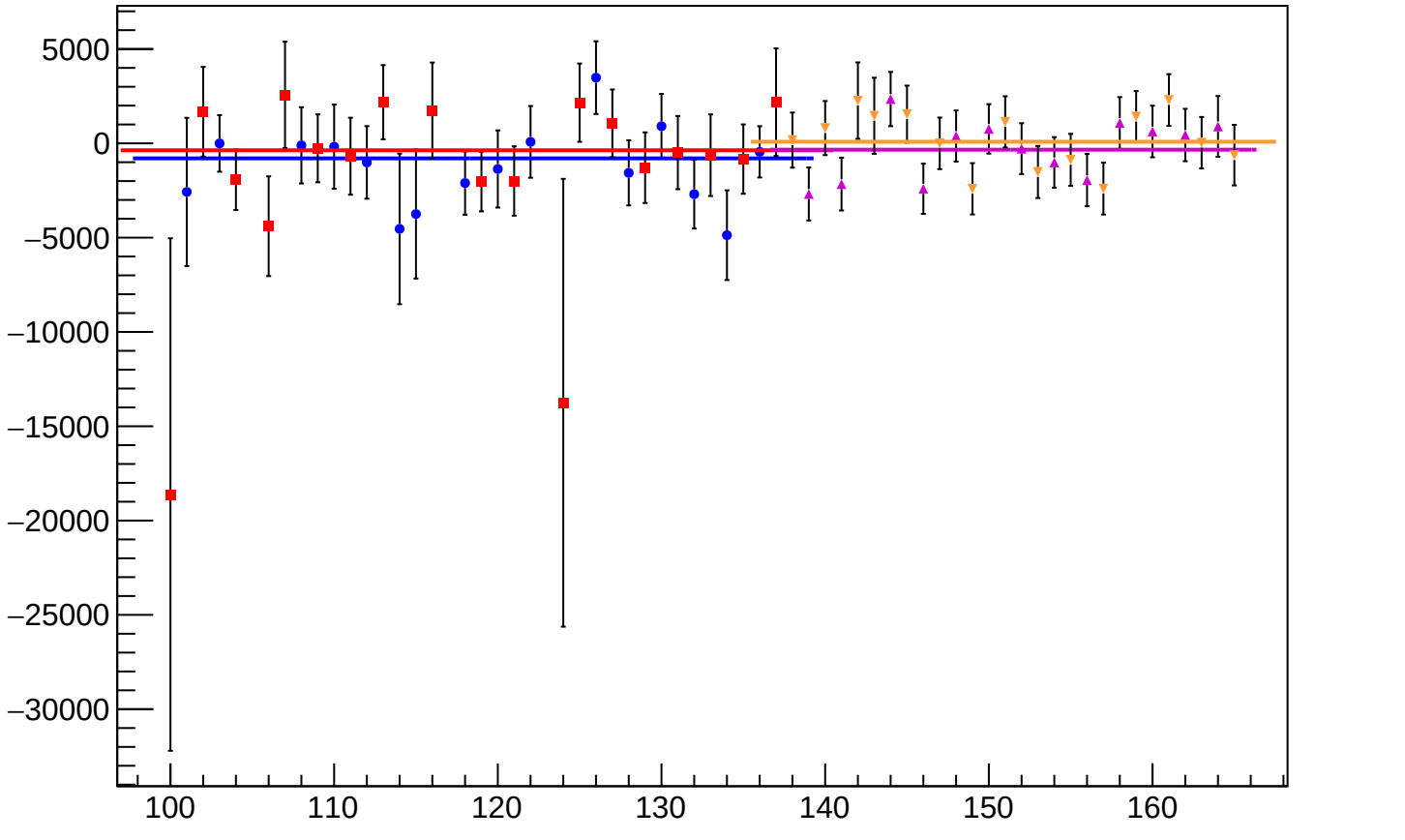
Left: 326.993+/-0.050 χ^2/NDF: 2799167.0/27

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 344.069+/-0.062 χ^2/NDF:4913626.3/28

Out: 337.770+/-0.060 χ^2/NDF:6416375.0/33

All: 340.850+/-0.043 χ^2/NDF: 11335314.9/62



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

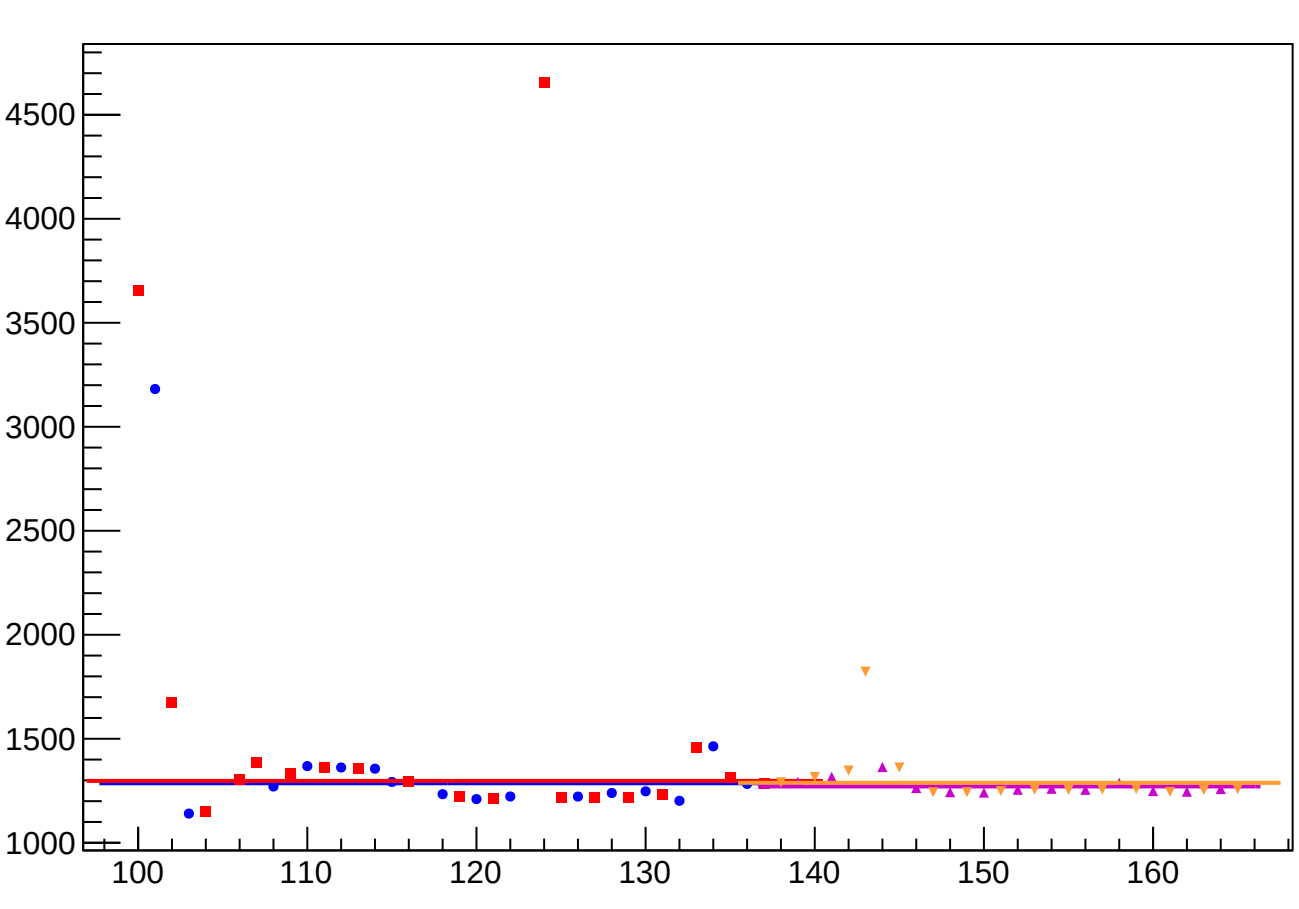
Left: -120.719+/-268.531 χ^2/NDF: 31.7/27

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -295.077+/-211.742 χ^2/NDF: 62.3/62



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1279.680+/-0.190 χ^2/NDF: 179493.8/27

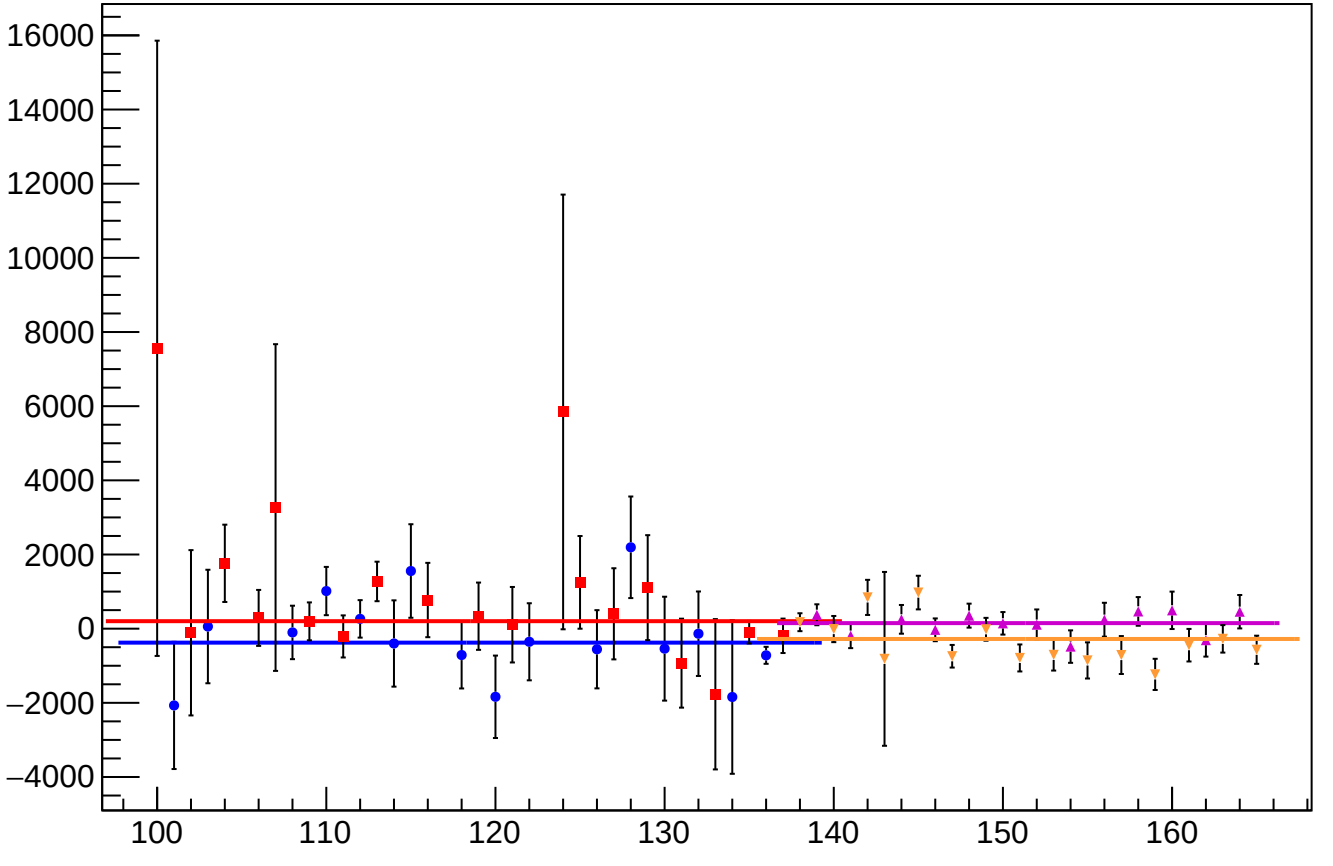
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

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: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

Left: -70.945+/-71.083 χ^2/NDF: 47.7/27

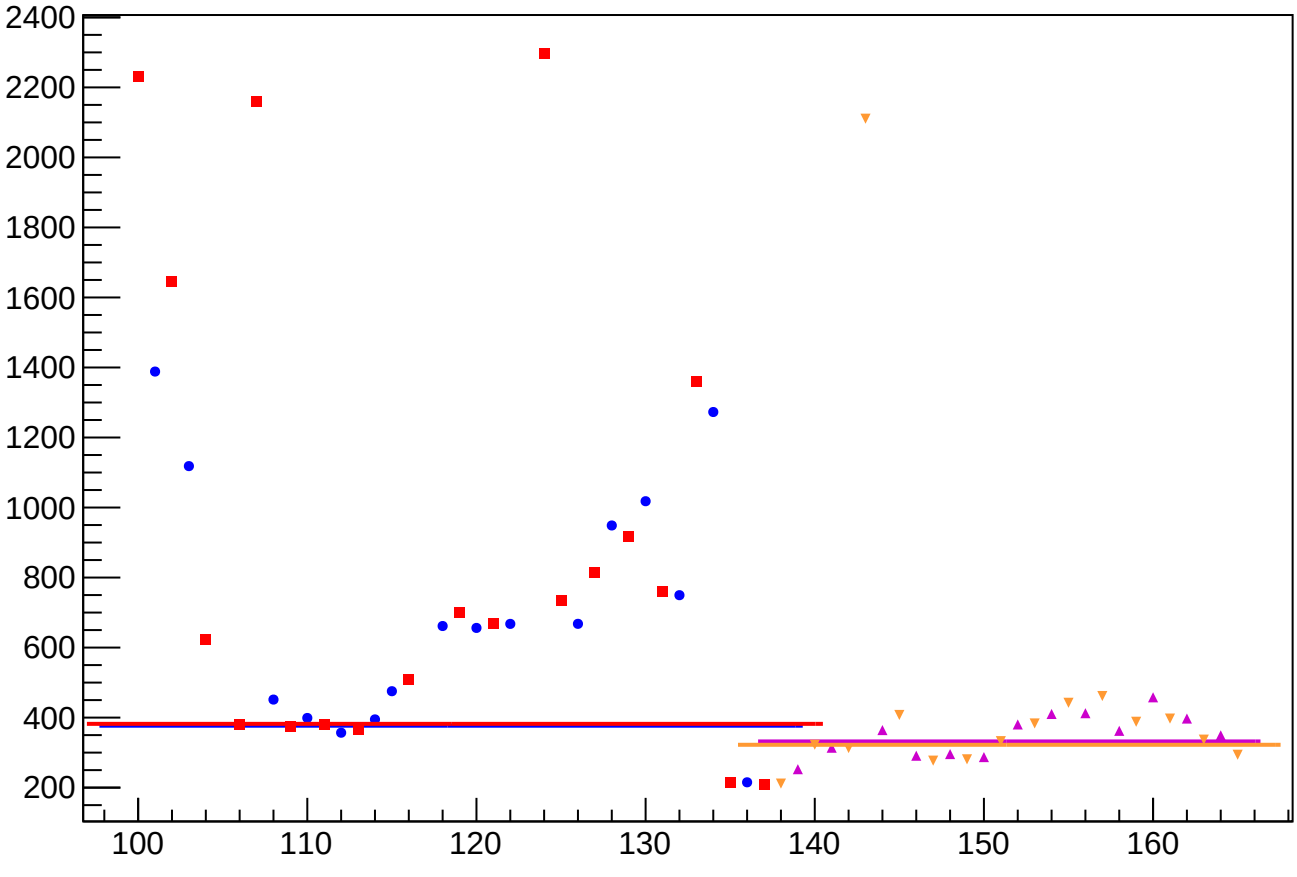
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -75.749+/-61.073 χ^2/NDF: 85.6/62

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: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

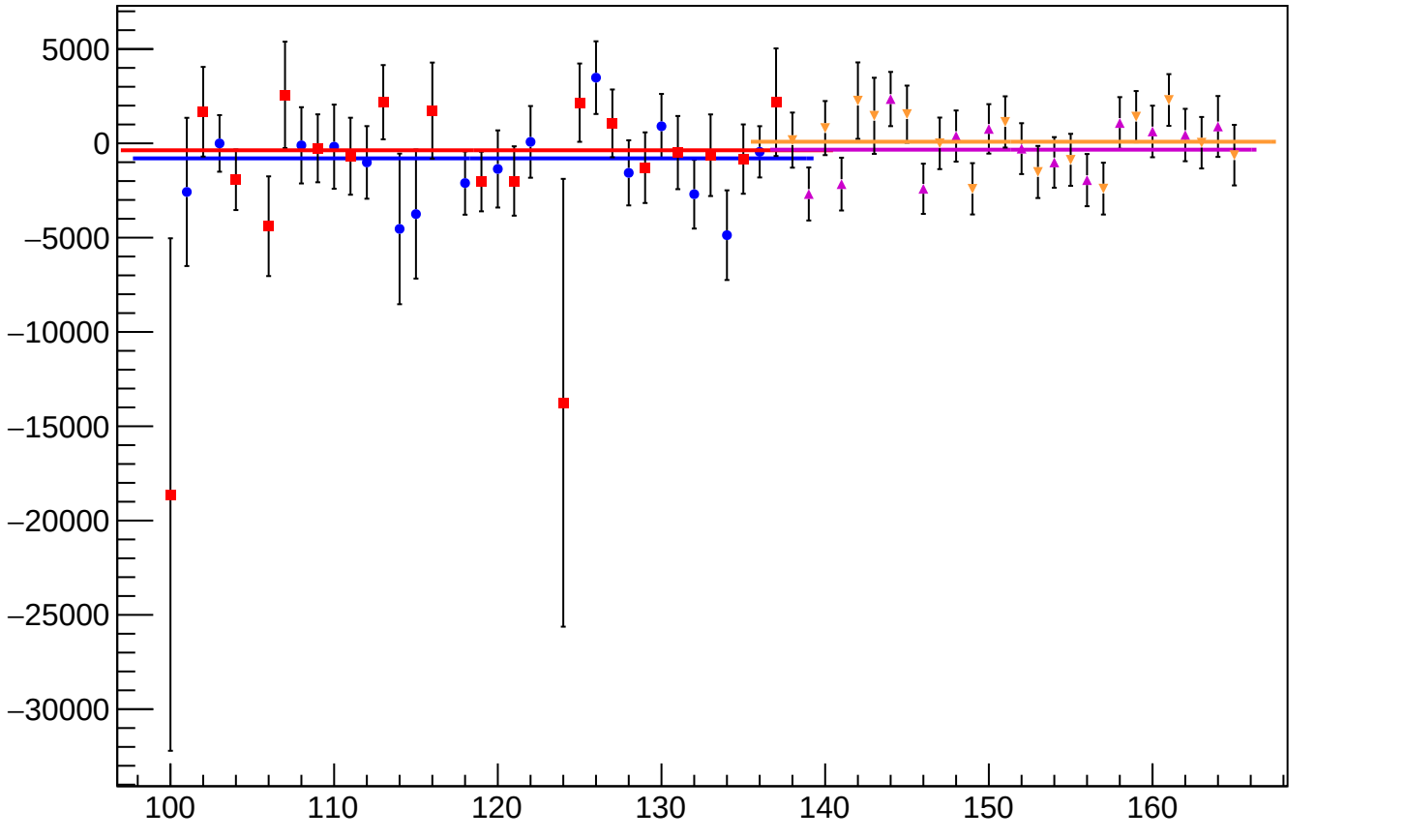
Left: 326.997+/-0.050 χ^2/NDF: 2799164.9/27

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

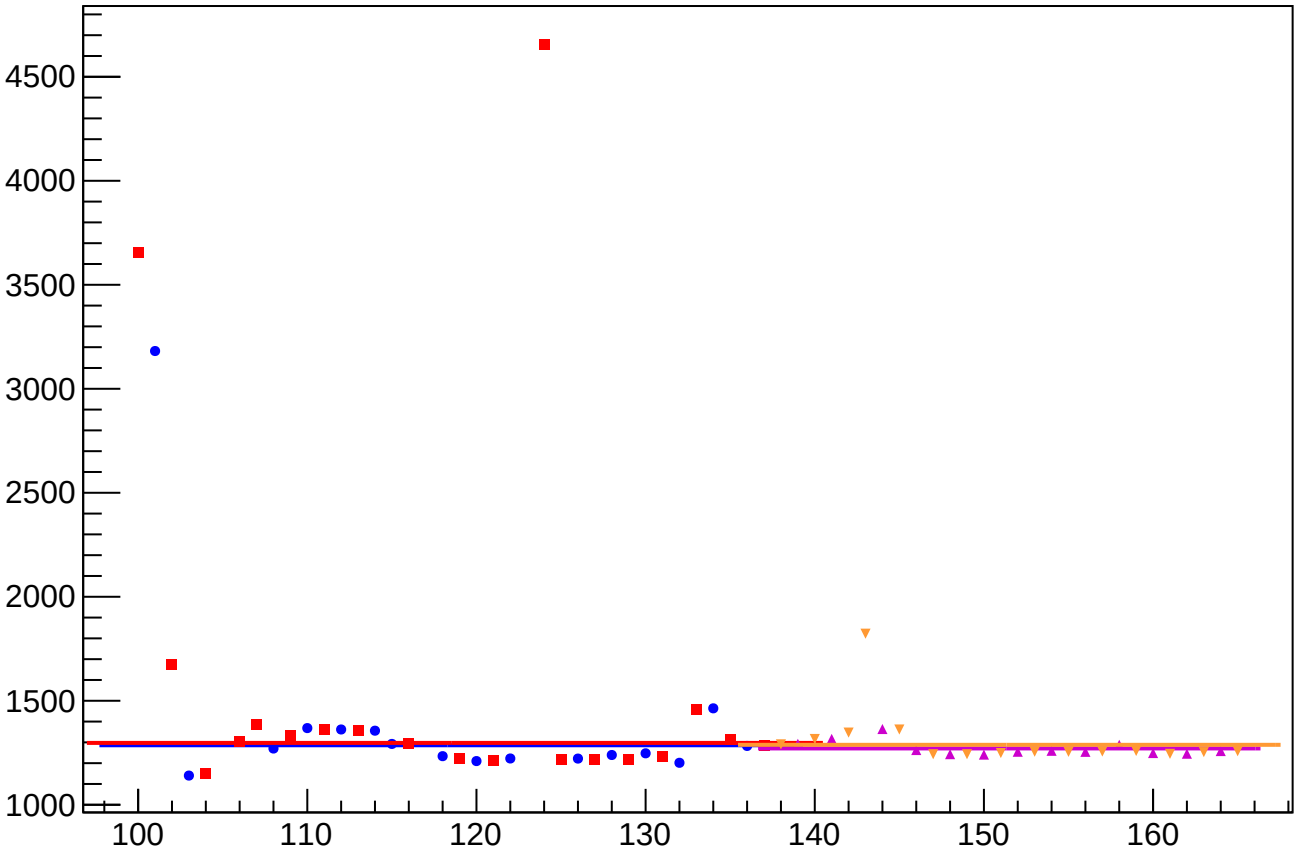
Left: -120.719+/-268.531 χ^2/NDF: 31.7/27

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -295.077+/-211.742 χ^2/NDF: 62.3/62



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1279.680+/-0.190 χ^2/NDF: 179493.8/27

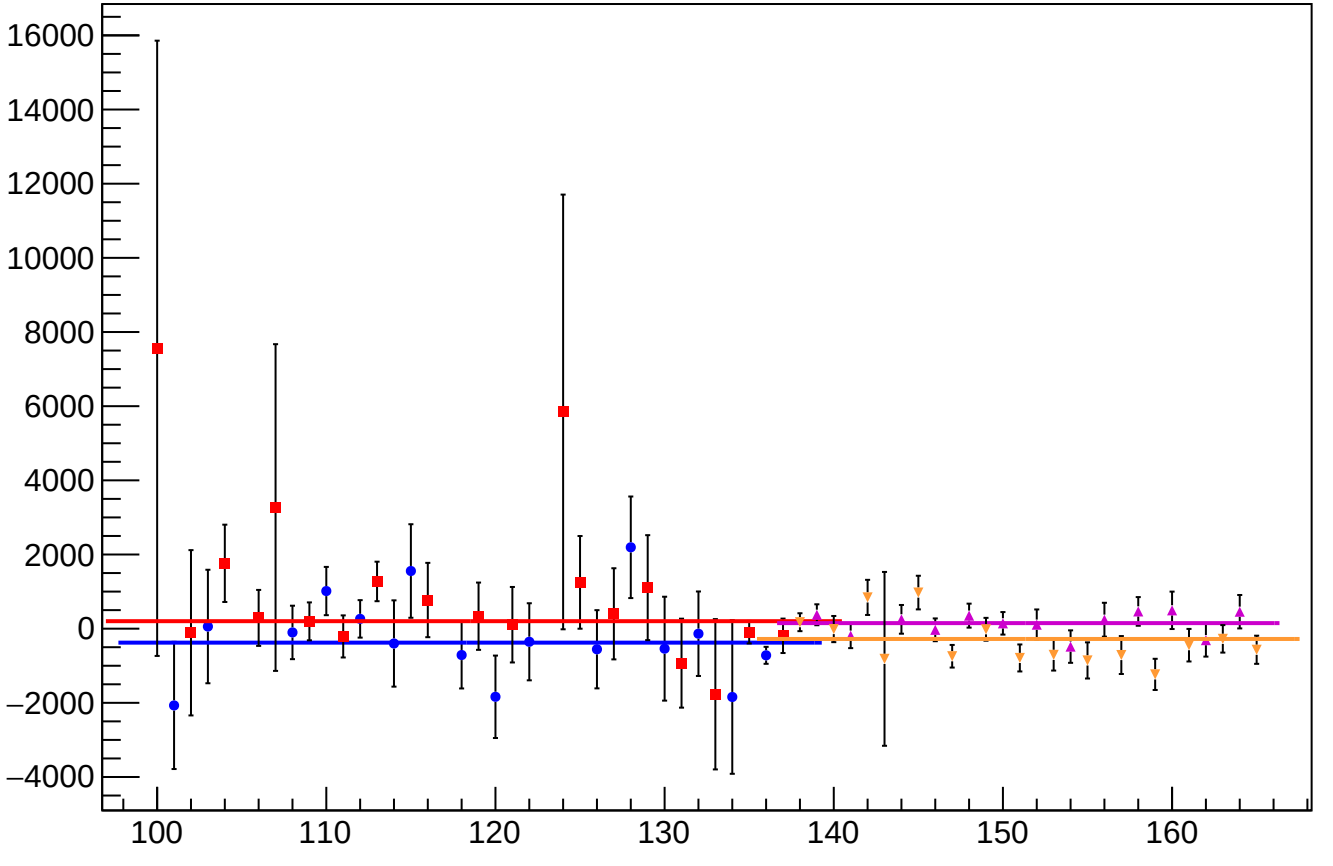
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

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: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

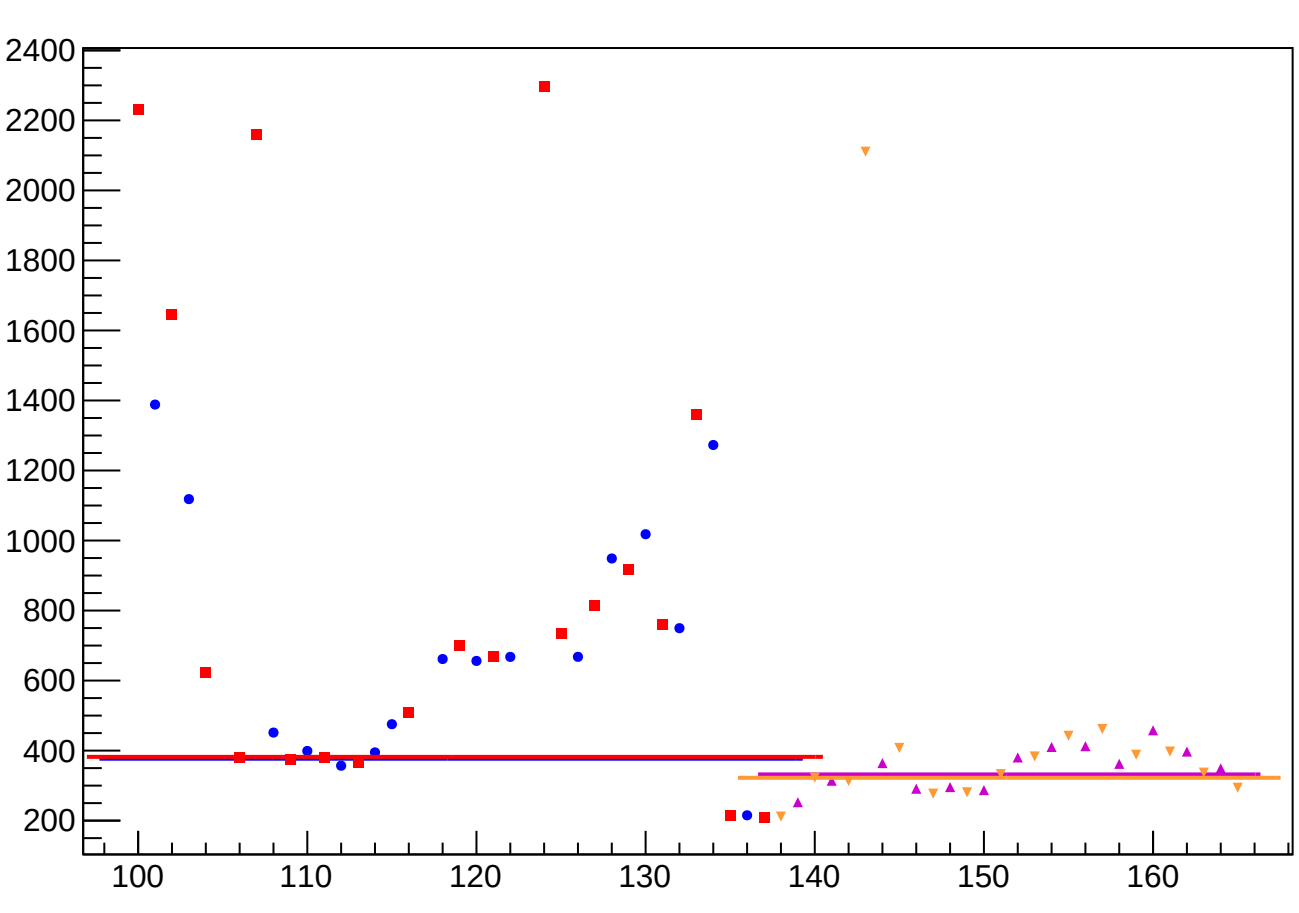
Left: -70.945+/-71.083 χ^2/NDF: 47.7/27

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -75.749+/-61.073 χ^2/NDF: 85.6/62



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

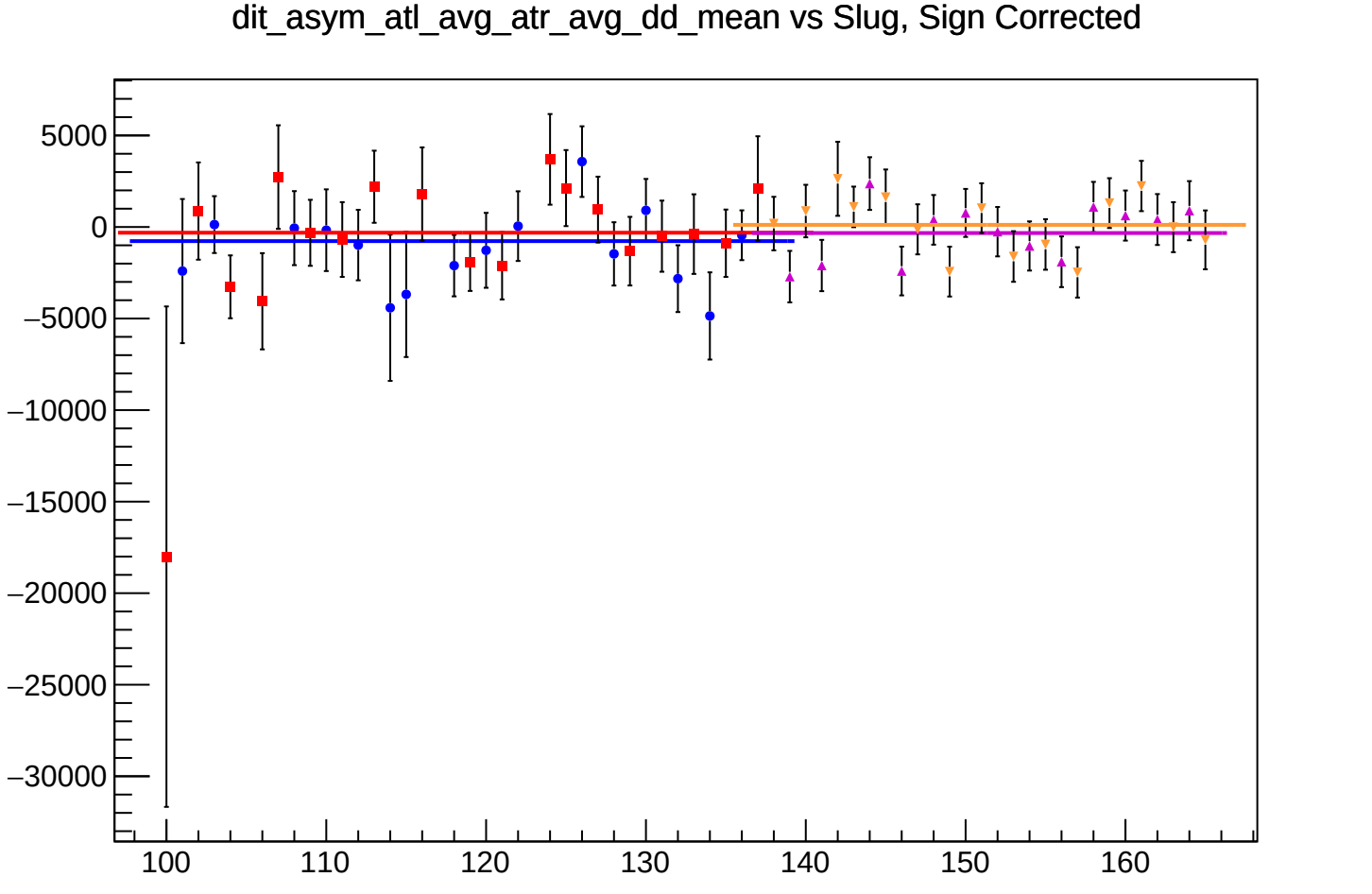
Left: 326.997+/-0.050 χ^2/NDF: 2799164.9/27

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.255+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -329.299+/-384.092 χ^2/NDF:15.4/12

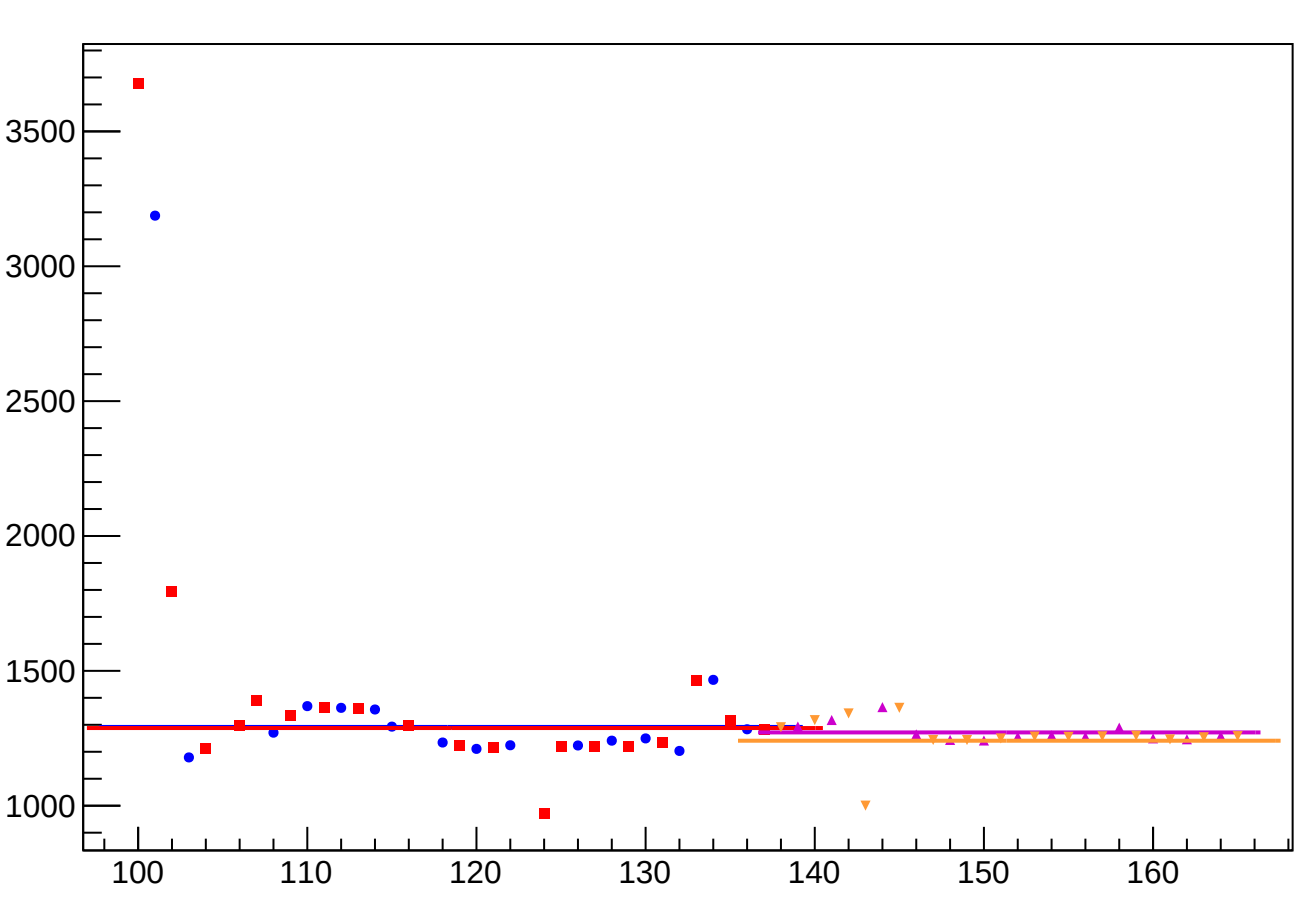
Left: -92.671+/-263.349 χ^2/NDF: 32.9/27

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -497.765+/-302.197 χ^2/NDF:29.5/28

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -257.458+/-209.044 χ^2/NDF: 65.9/62



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122152.0/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

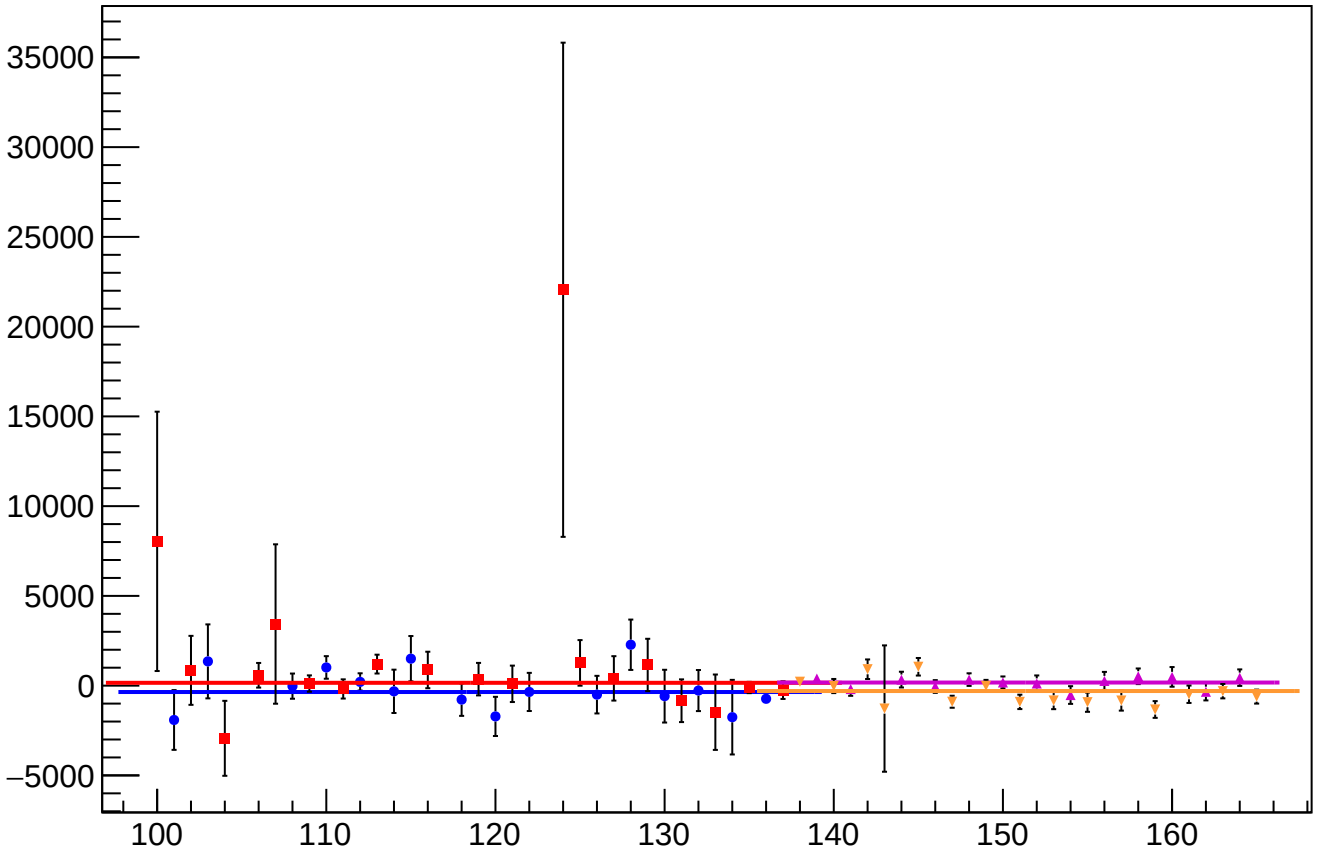
Left: 1255.452+/-0.186 χ^2/NDF: 144355.3/27

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.900+/-0.205 χ^2/NDF:343501.1/33

All: 1268.225+/-0.148 χ^2/NDF: 875760.2/62



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -300.317+/-106.857 χ^2/NDF:32.9/14

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.097 χ^2/NDF:6.8/12

Left: -72.576+/-77.014 χ^2/NDF: 49.2/27

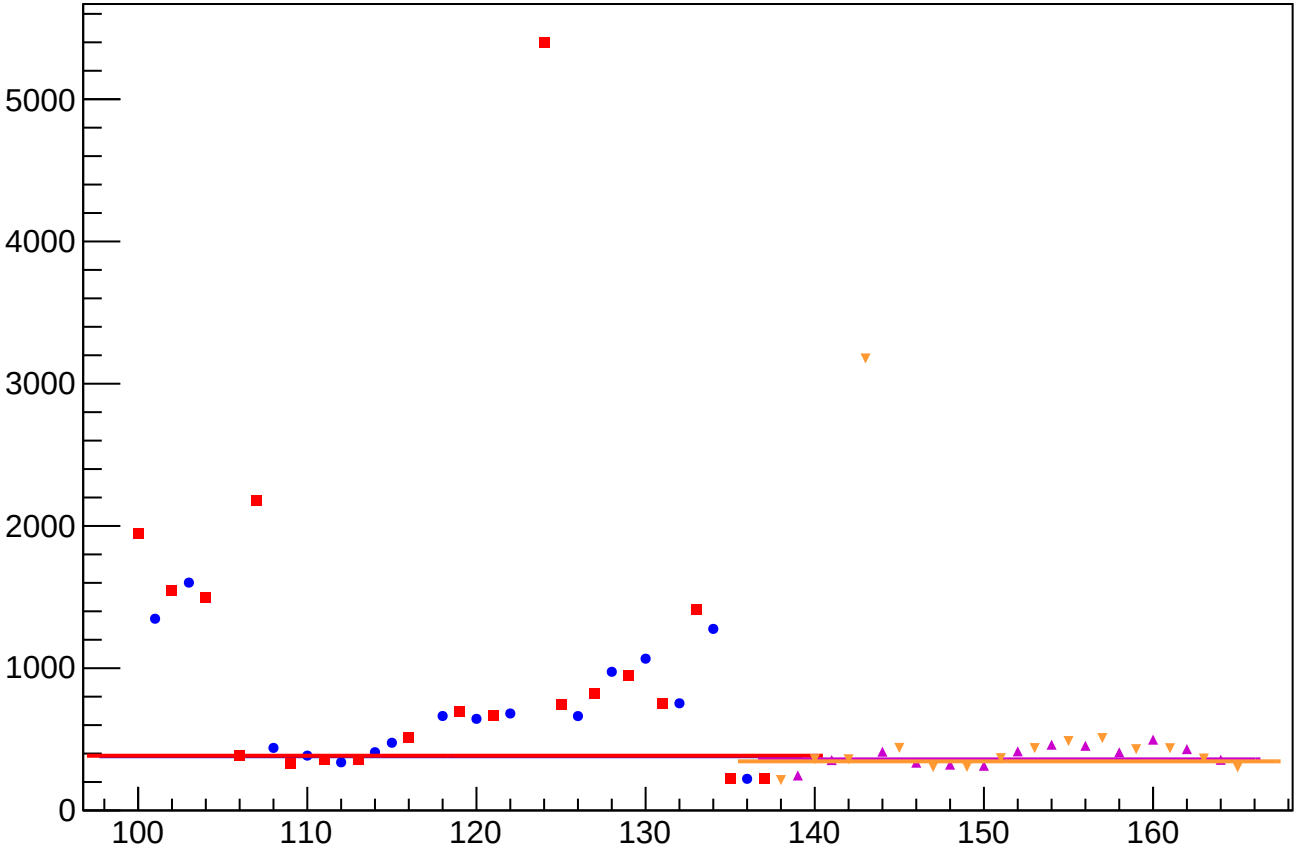
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 15.300+/-92.994 χ^2/NDF:32.0/28

Out: -170.173+/-90.418 χ^2/NDF:54.0/33

All: -80.041+/-64.827 χ^2/NDF: 88.0/62

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: 345.379+/-0.076 χ^2/NDF:2571828.7/14

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

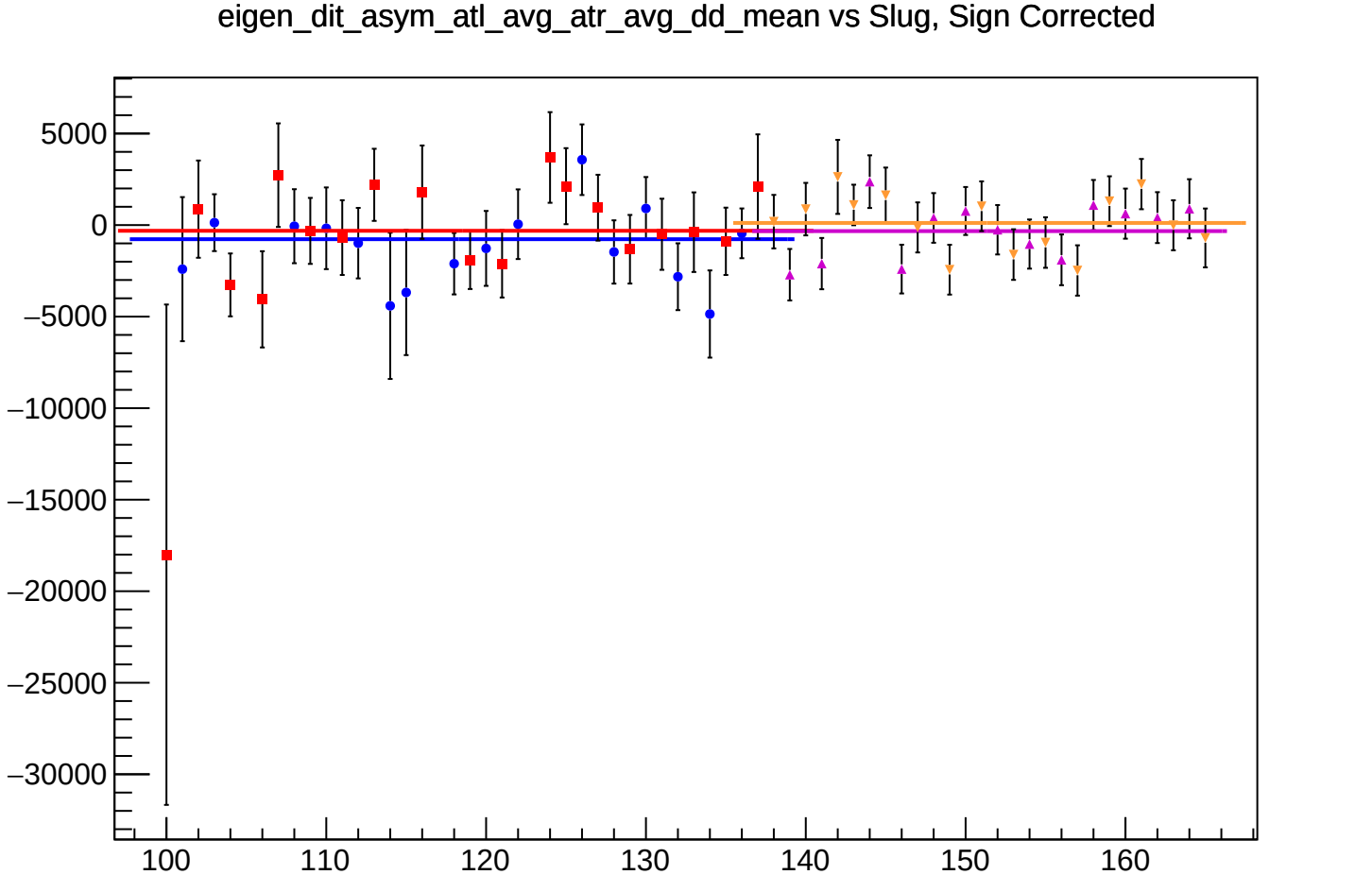
Left: 351.932+/-0.054 χ^2/NDF: 3411198.9/27

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 365.700+/-0.066 χ^2/NDF:5165839.4/28

Out: 356.533+/-0.064 χ^2/NDF:7208756.6/33

All: 360.988+/-0.046 χ^2/NDF: 12384587.2/62



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.256+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -329.299+/-384.092 χ^2/NDF:15.4/12

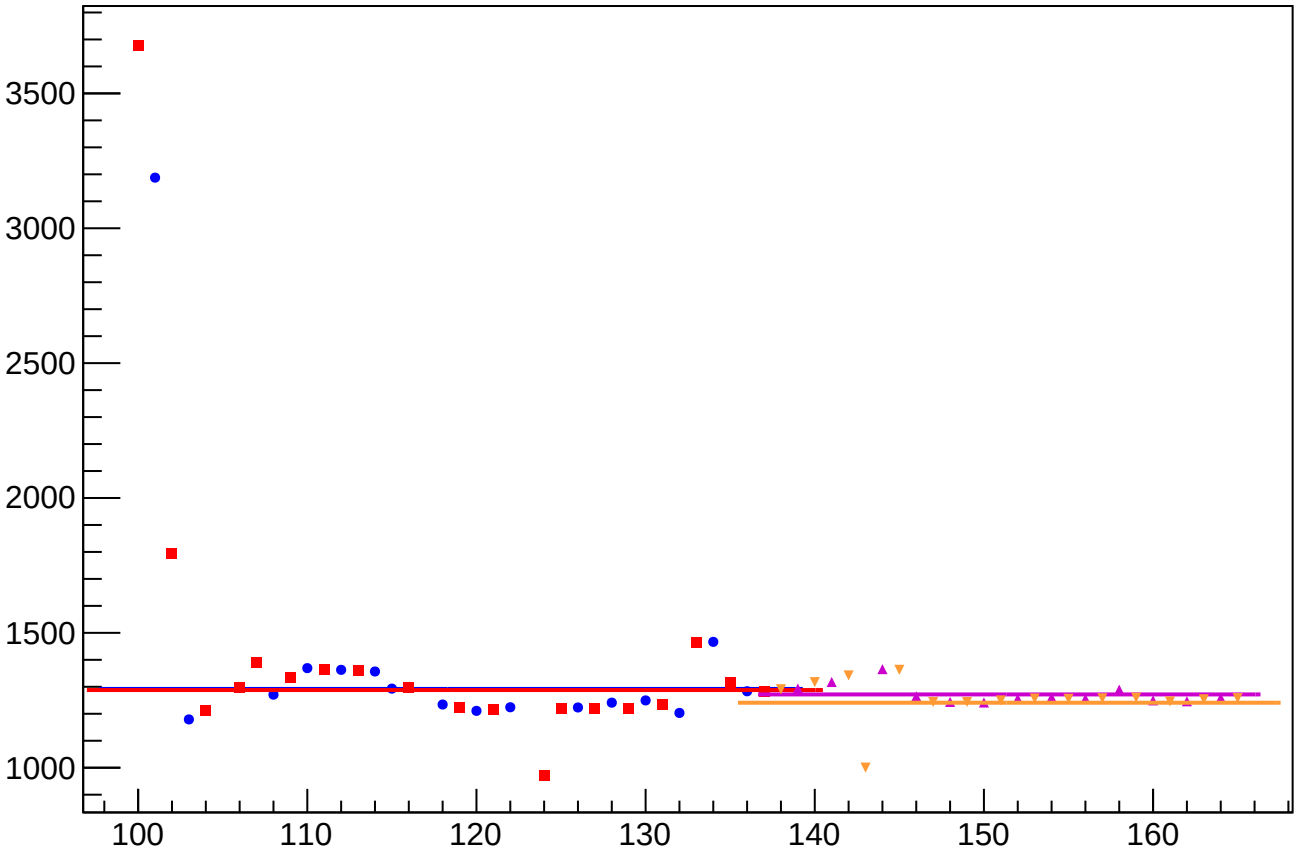
Left: -92.671+/-263.349 χ^2/NDF: 32.9/27

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -497.765+/-302.197 χ^2/NDF:29.5/28

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -257.458+/-209.044 χ^2/NDF: 65.9/62



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122151.2/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

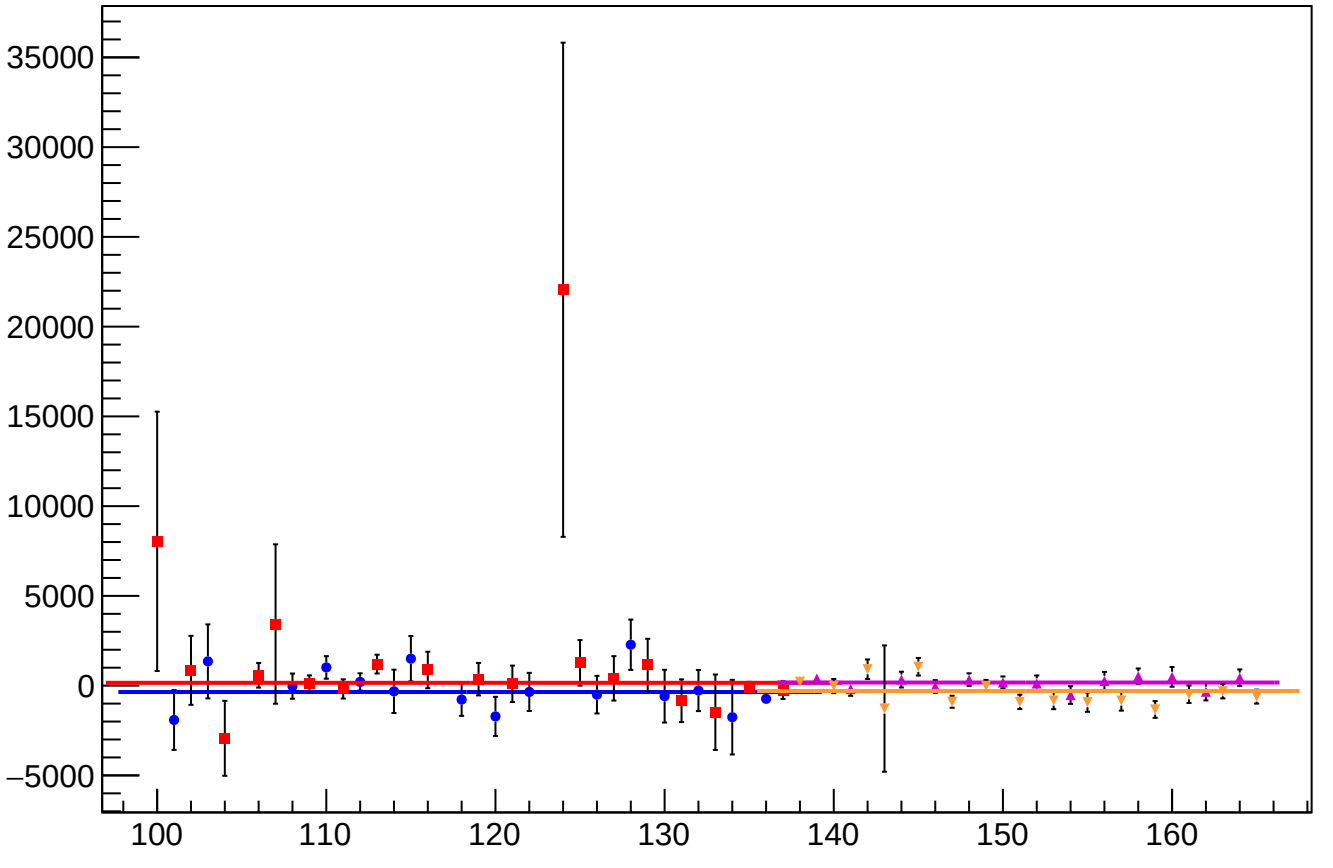
Left: 1255.452+/-0.186 χ^2/NDF: 144354.5/27

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.900+/-0.205 χ^2/NDF:343500.5/33

All: 1268.225+/-0.148 χ^2/NDF: 875759.6/62



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -300.327+/-106.858 χ^2/NDF:32.9/14

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.098 χ^2/NDF:6.8/12

Left: -72.580+/-77.015 χ^2/NDF: 49.2/27

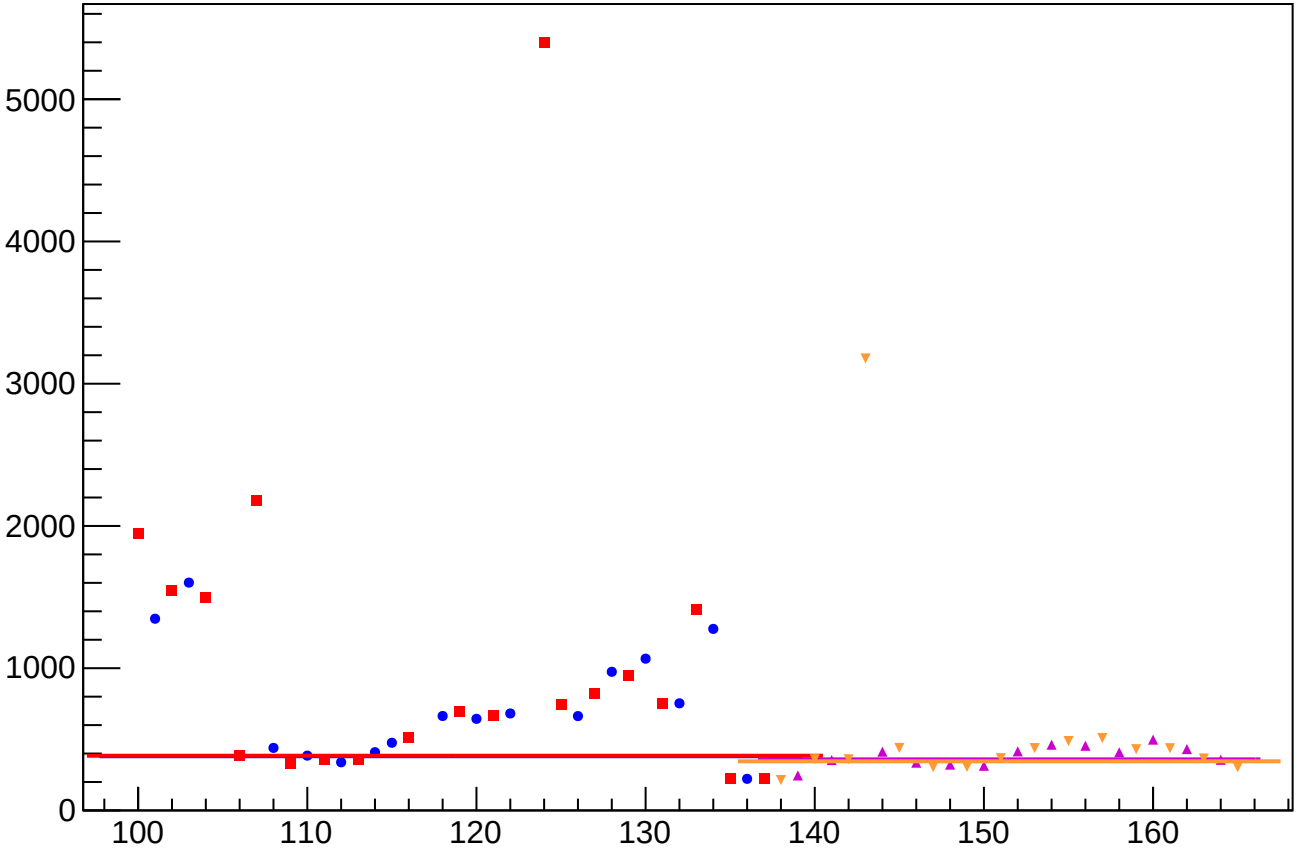
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 15.302+/-92.995 χ^2/NDF:32.0/28

Out: -170.180+/-90.419 χ^2/NDF:54.0/33

All: -80.043+/-64.828 χ^2/NDF: 88.0/62

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 345.385+/-0.076 χ^2/NDF:2571649.8/14

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

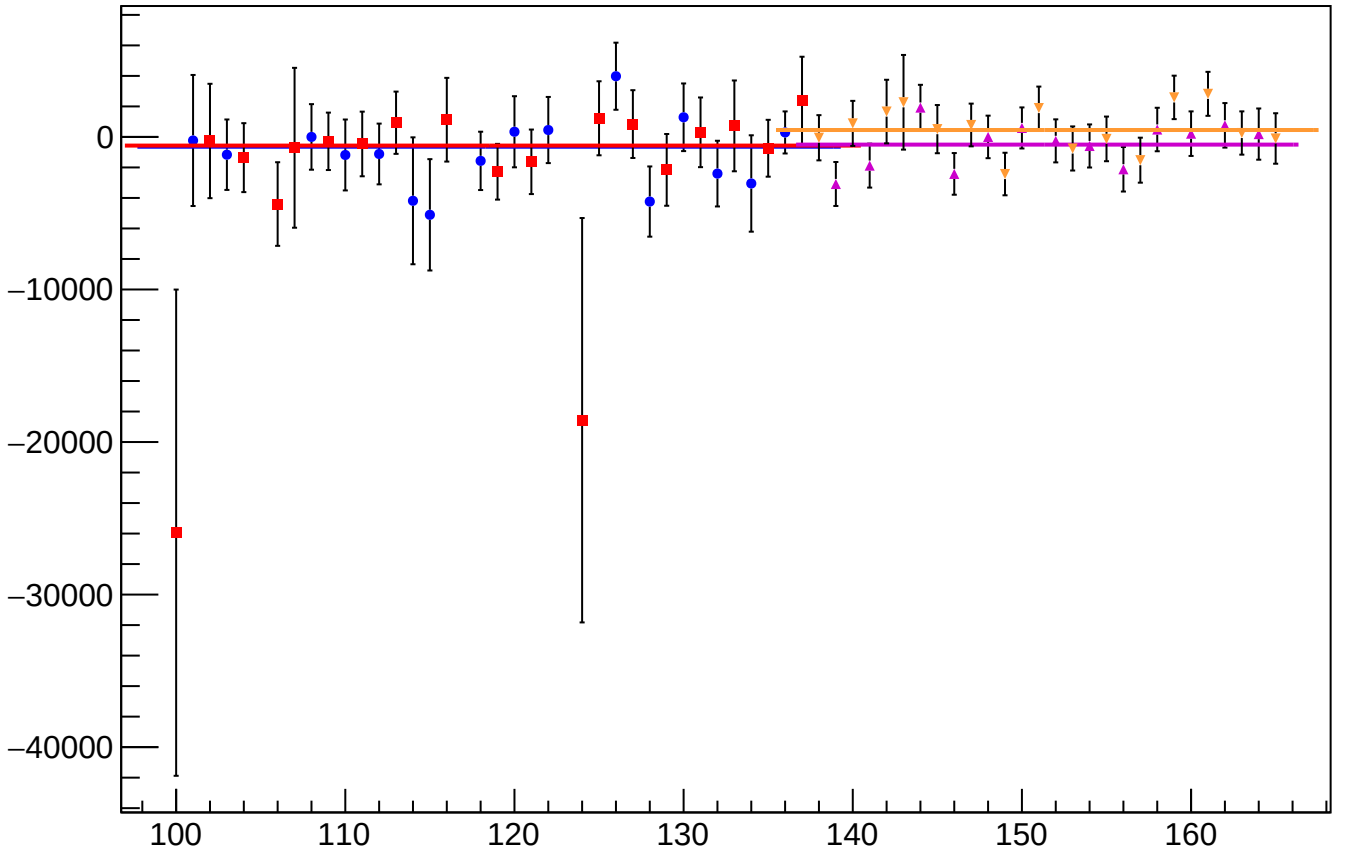
Left: 351.936+/-0.054 χ^2/NDF: 3410907.4/27

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 365.706+/-0.066 χ^2/NDF:5165557.5/28

Out: 356.539+/-0.064 χ^2/NDF:7208446.0/33

All: 360.993+/-0.046 χ^2/NDF: 12383993.9/62



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 453.803+/-394.740 χ^2/NDF:14.0/14

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -503.721+/-399.228 χ^2/NDF:12.4/12

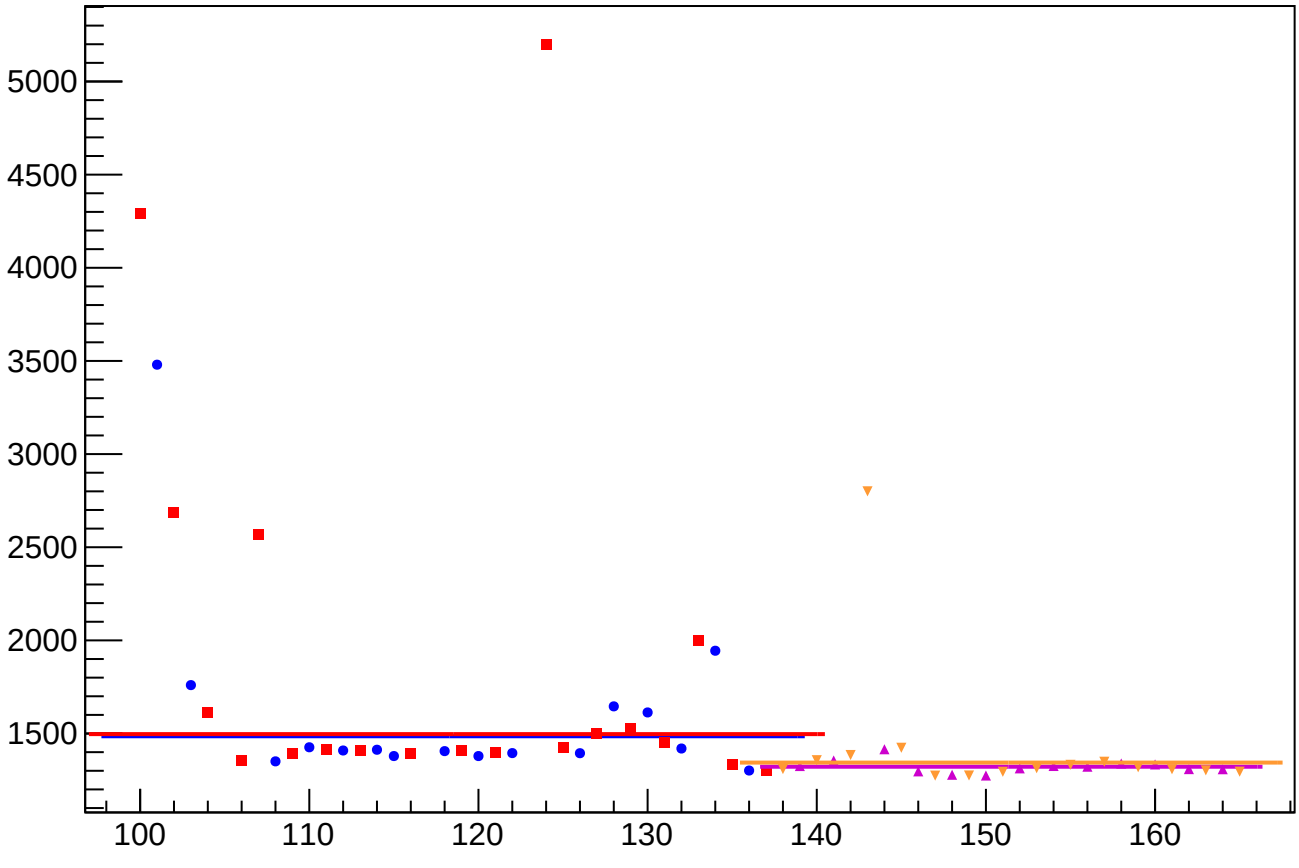
Left: -19.546+/-280.696 χ^2/NDF: 29.4/27

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -549.446+/-325.924 χ^2/NDF:25.0/28

Out: 120.295+/-323.920 χ^2/NDF:27.5/33

All: -212.510+/-229.751 χ^2/NDF: 54.6/62



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1344.057+/-0.279 χ^2/NDF:466121.0/14

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

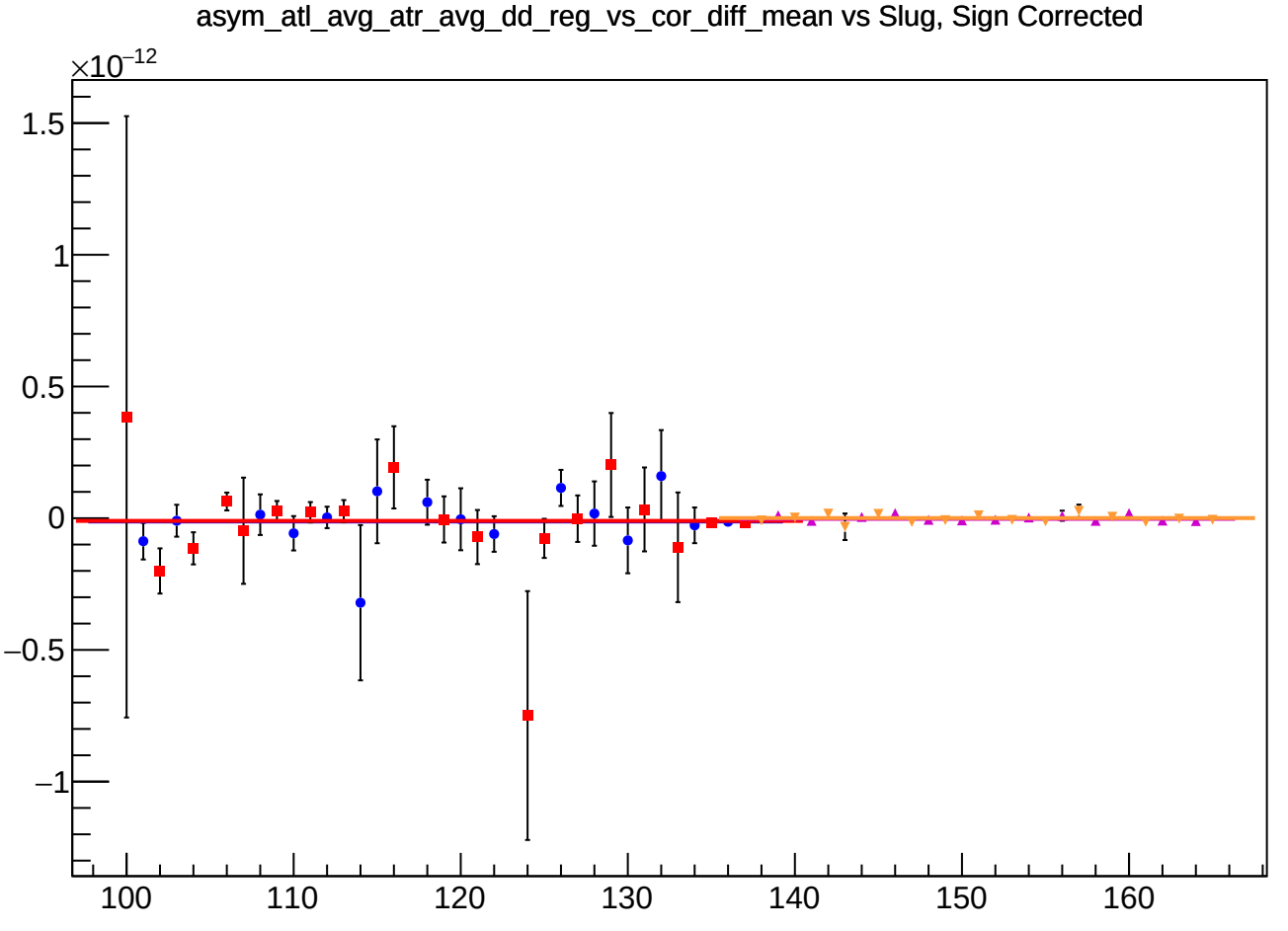
Left: 1333.074+/-0.198 χ^2/NDF: 484100.2/27

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1376.380+/-0.230 χ^2/NDF:711234.3/28

Out: 1393.969+/-0.229 χ^2/NDF:1187308.4/33

All: 1385.229+/-0.162 χ^2/NDF: 1901473.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

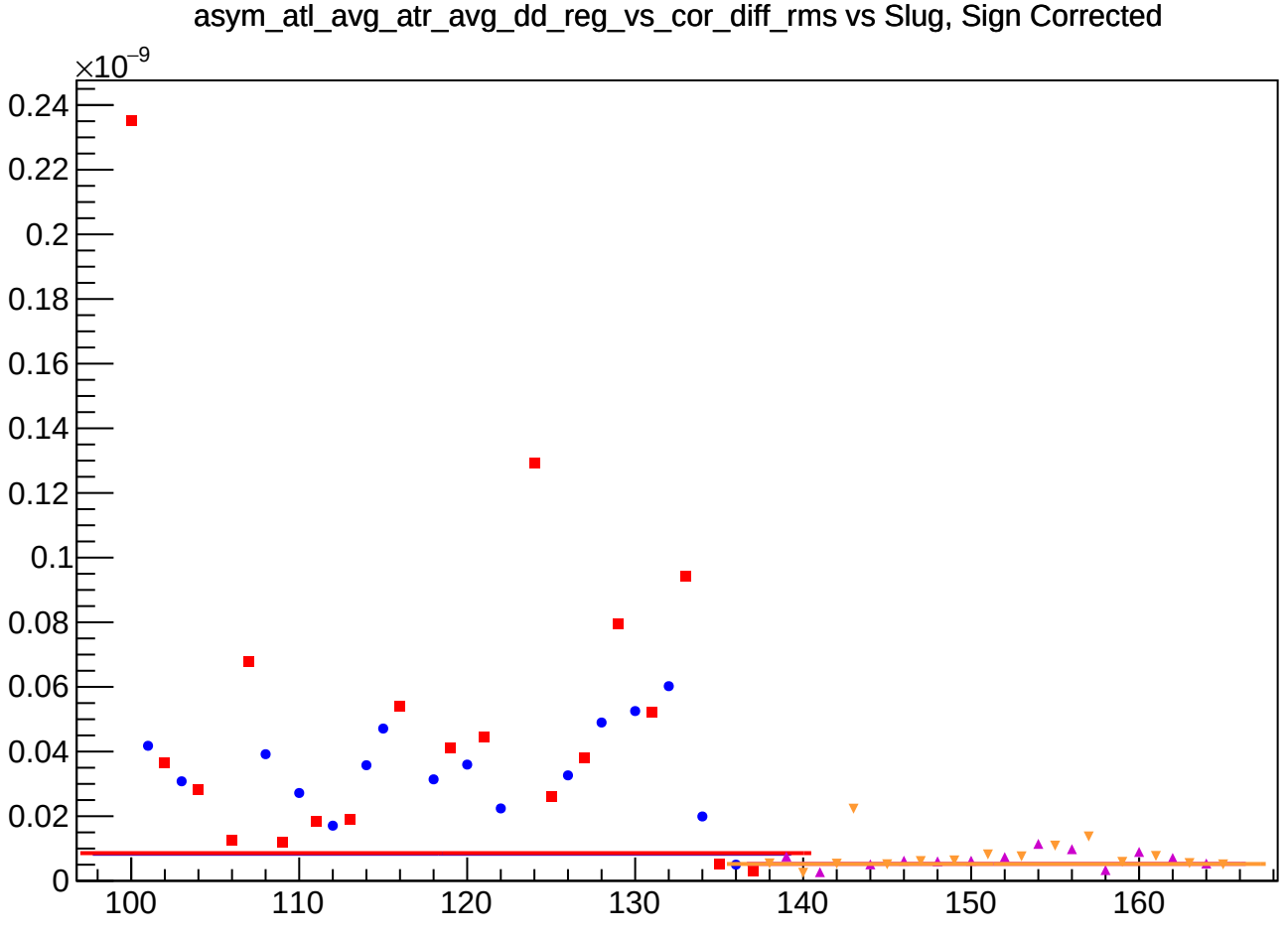
Left: -0.000+/-0.000 χ^2/NDF: 28.3/27

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:38.0/33

All: -0.000+/-0.000 χ^2/NDF: 63.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619478.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

Left: 0.000+/-0.000 χ^2/NDF: 2871790.6/27

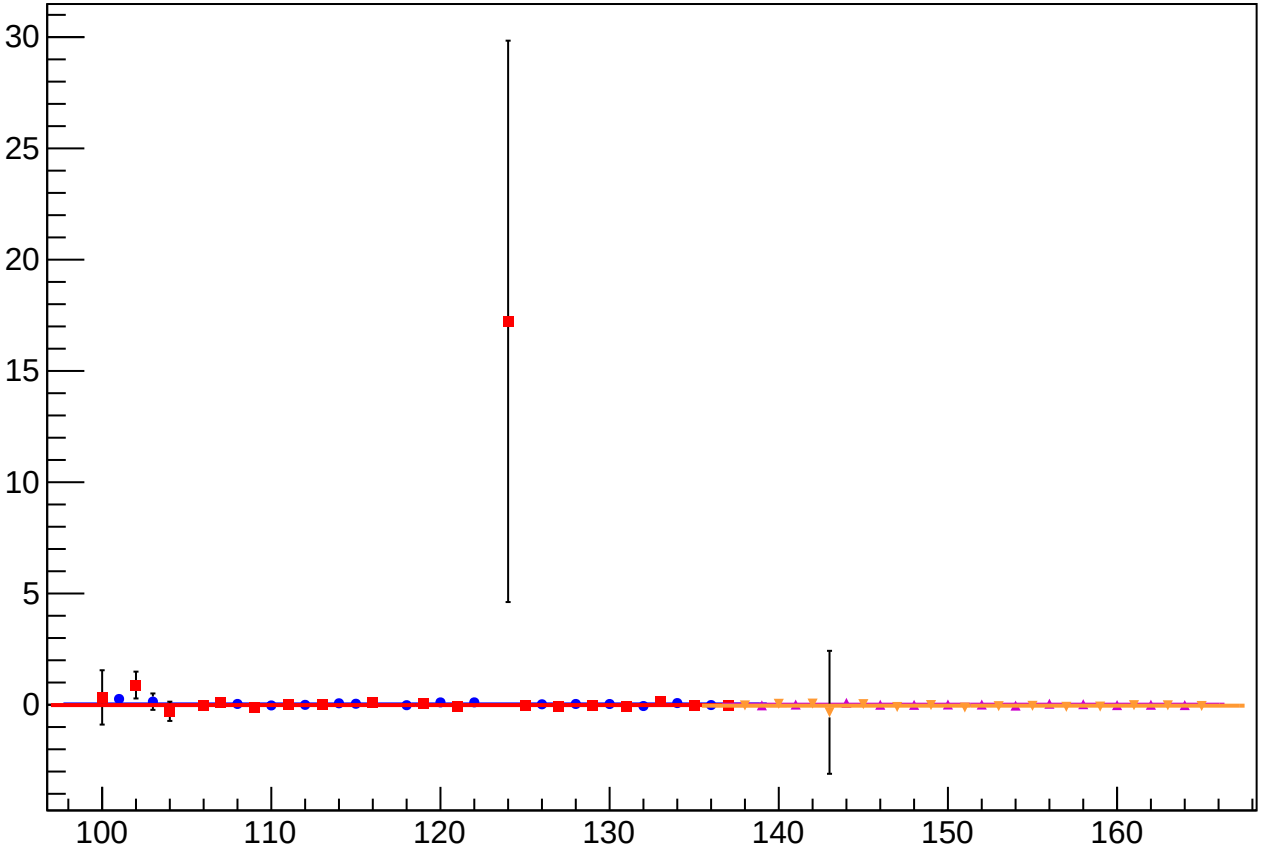
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4619852.7/28

Out: 0.000+/-0.000 χ^2/NDF:5282980.8/33

All: 0.000+/-0.000 χ^2/NDF: 9904083.5/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

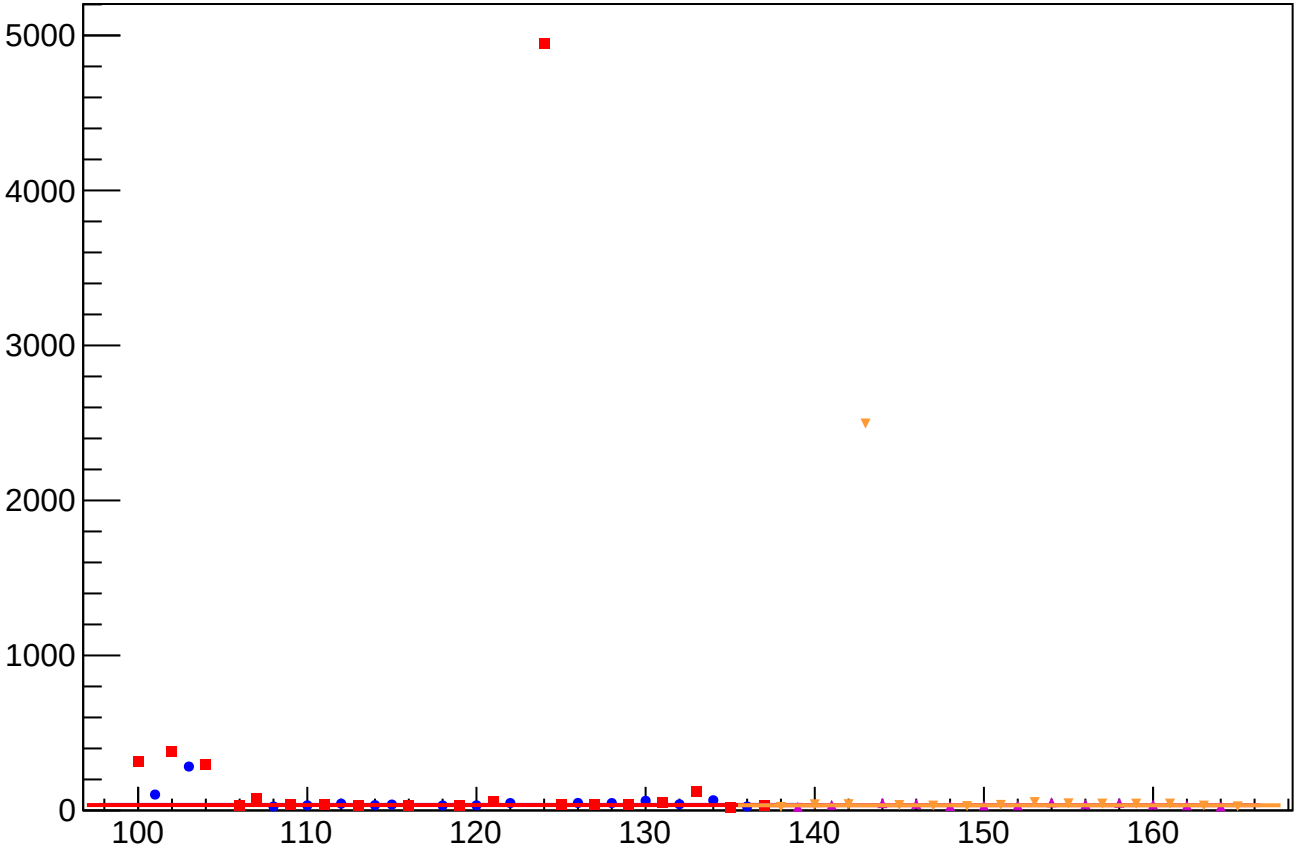
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62

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: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

Left: 33.880+/-0.006 χ^2/NDF: 3761503.3/27

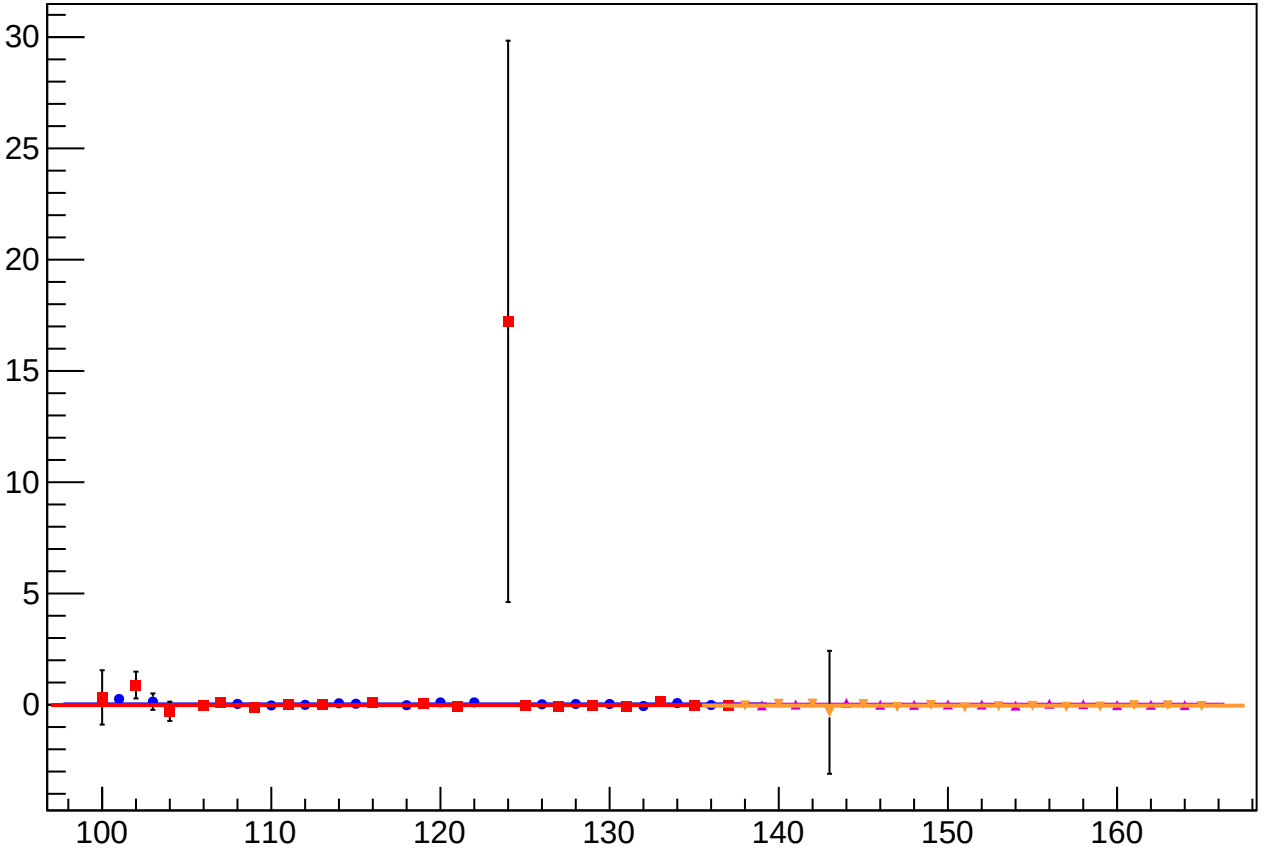
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

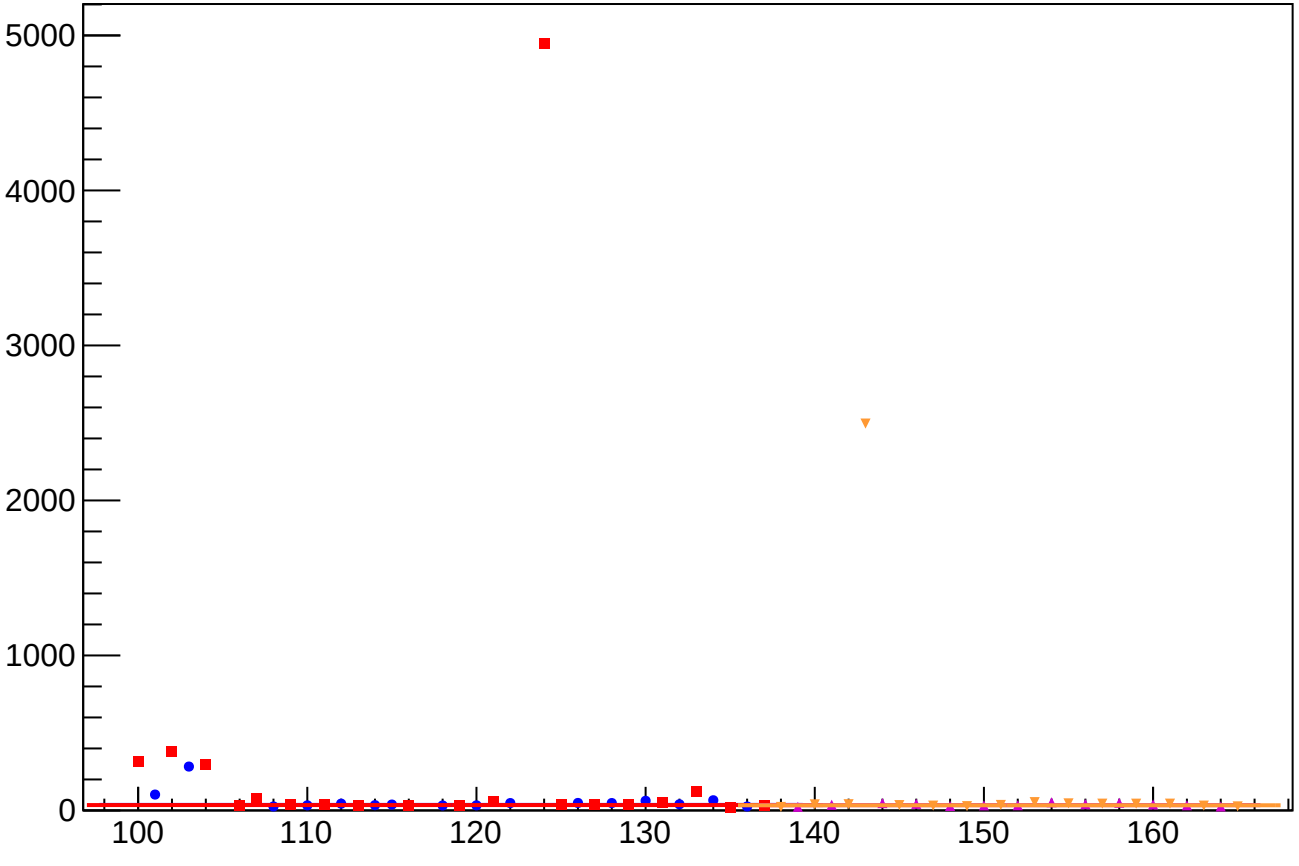
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62

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: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

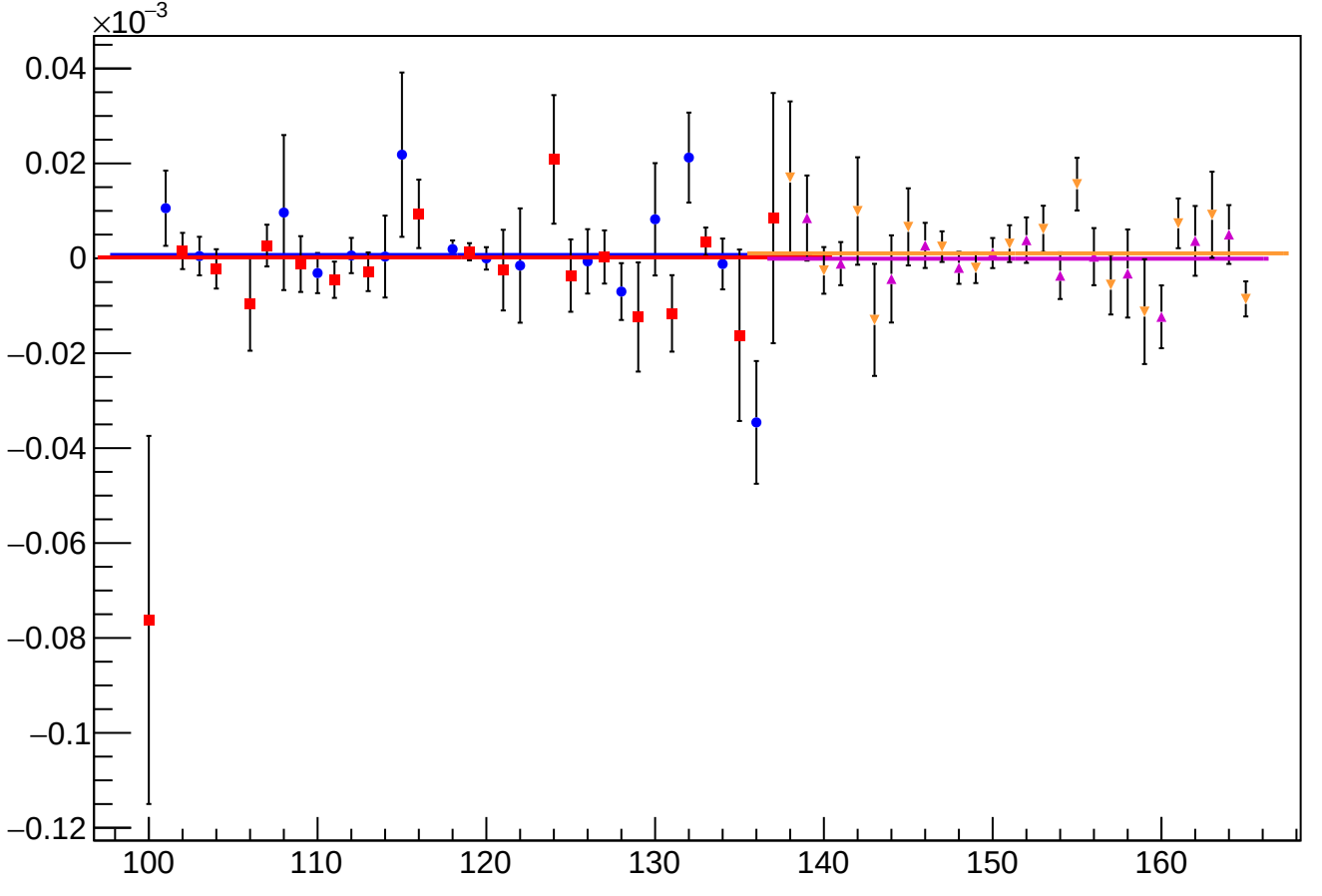
Left: 33.880+/-0.006 χ^2/NDF: 3761503.3/27

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

Left: 0.000+/-0.000 χ^2/NDF: 32.7/27

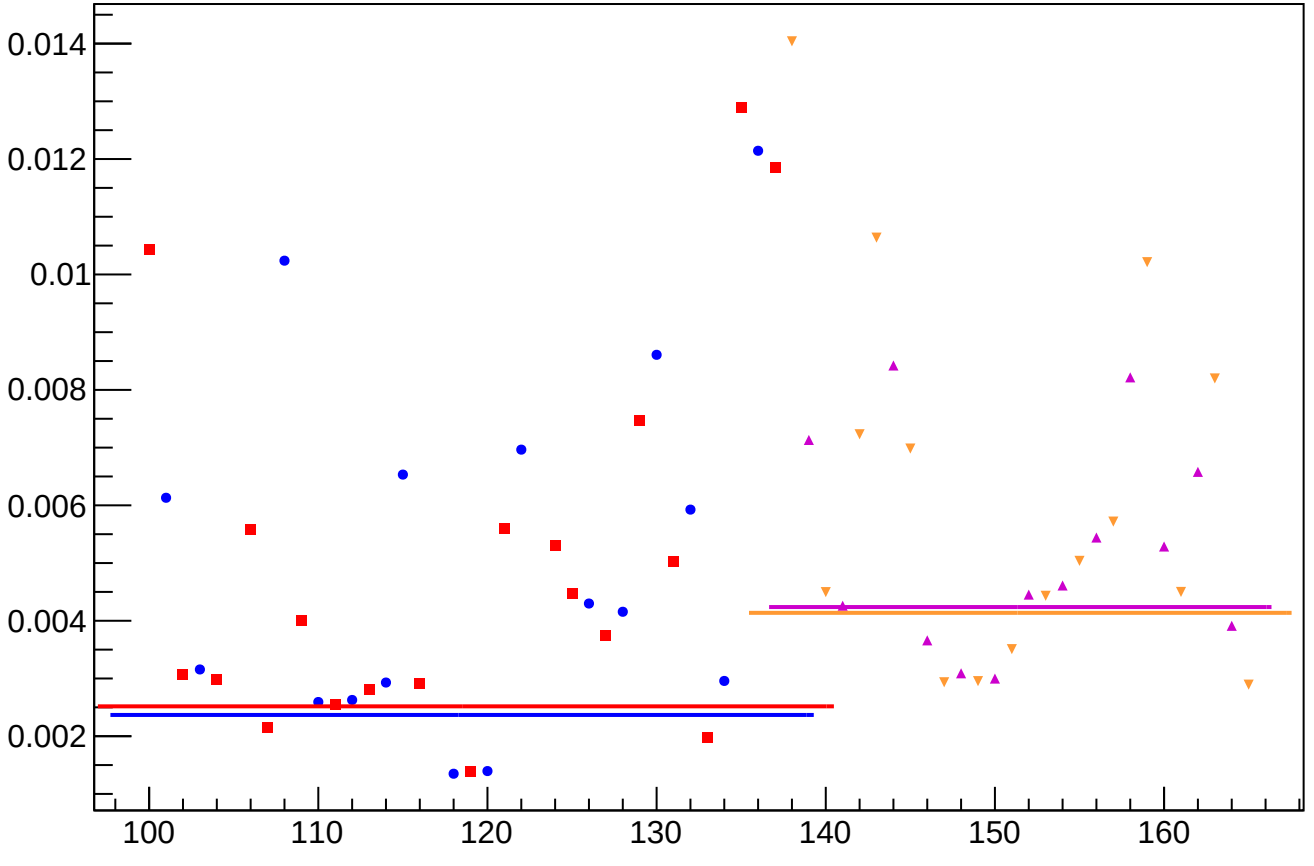
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.9/28

Out: 0.000+/-0.000 χ^2/NDF:43.1/33

All: 0.000+/-0.000 χ^2/NDF: 70.0/62

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3800172.6/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

Left: 0.004+/-0.000 χ^2/NDF: 5716933.0/27

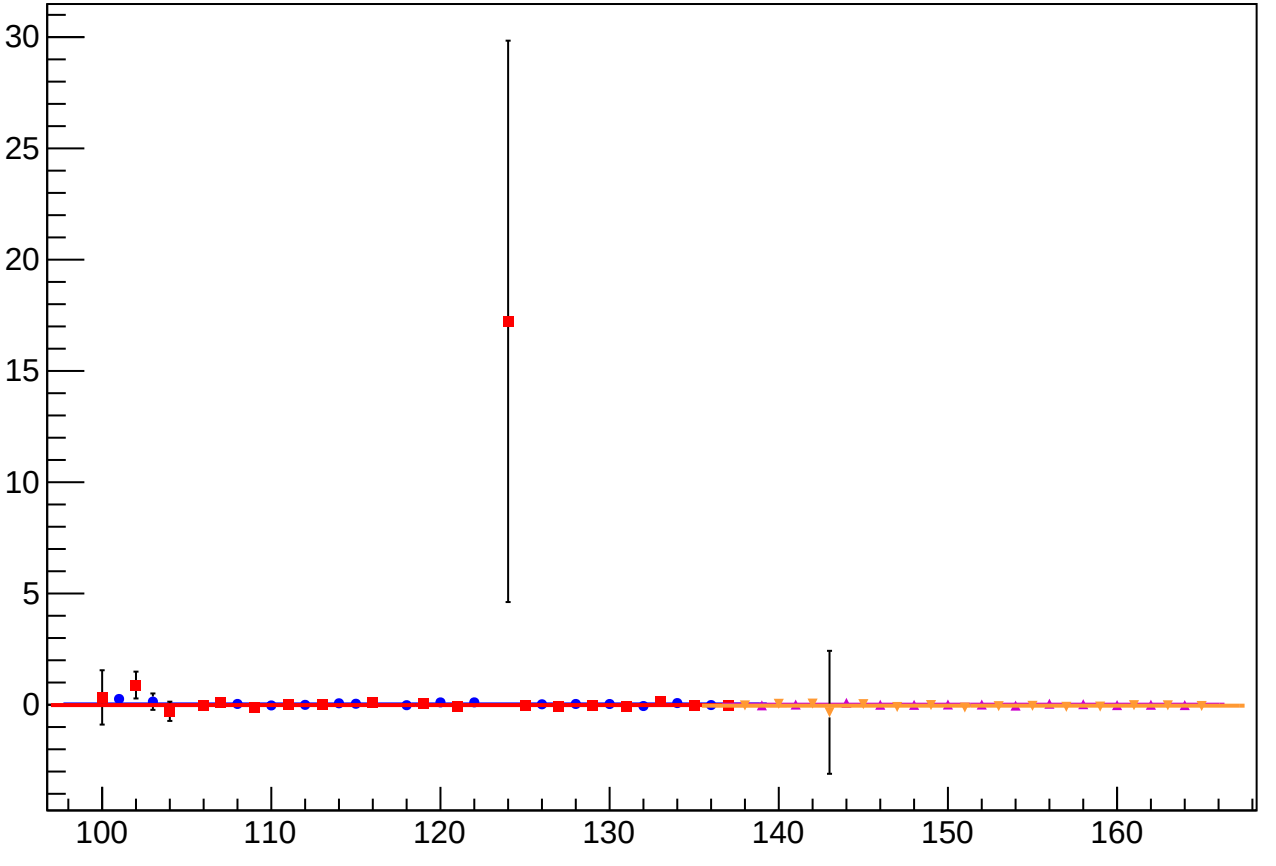
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8789630.1/28

Out: 0.003+/-0.000 χ^2/NDF:9001628.3/33

All: 0.003+/-0.000 χ^2/NDF: 17798764.2/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

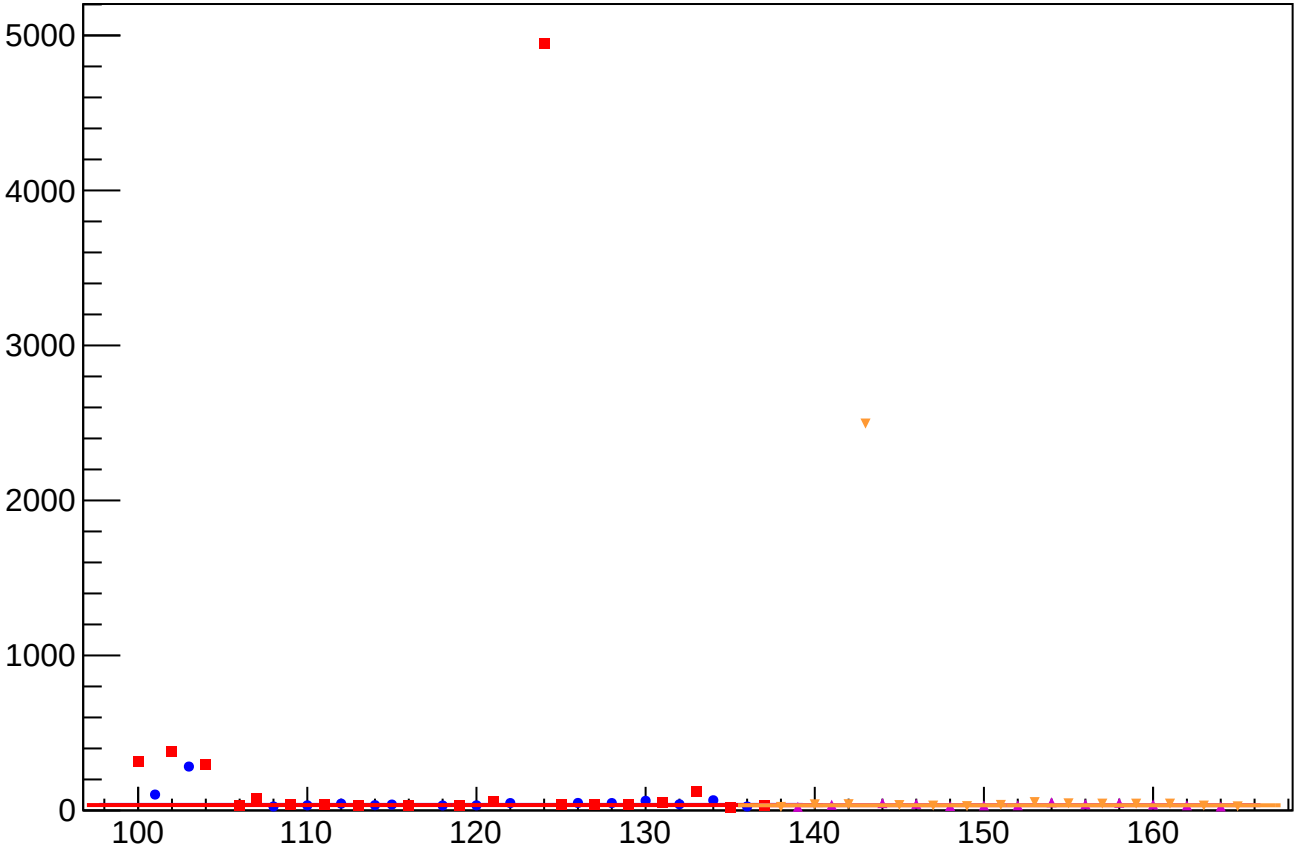
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62

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: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

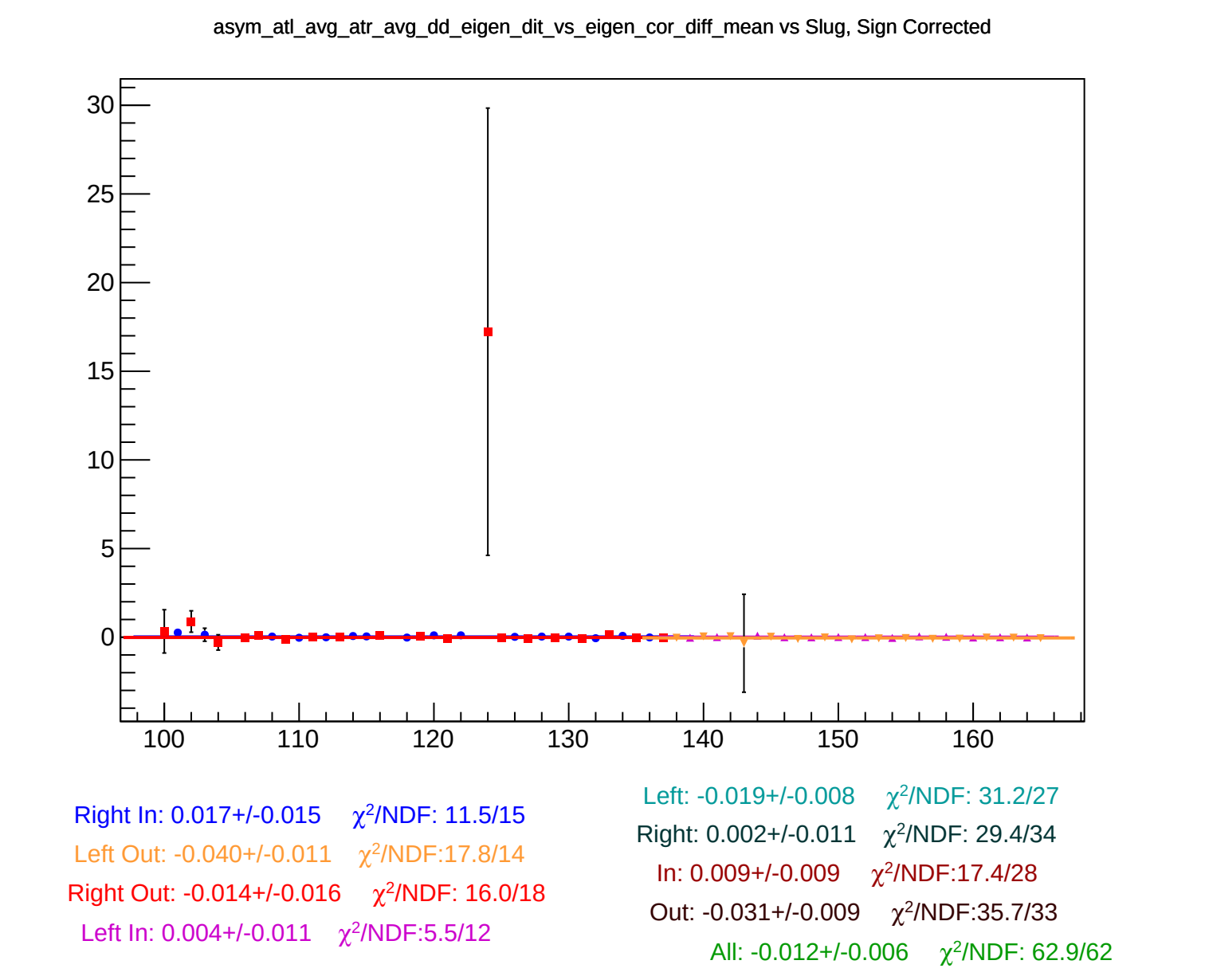
Left: 33.879+/-0.006 χ^2/NDF: 3762475.5/27

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

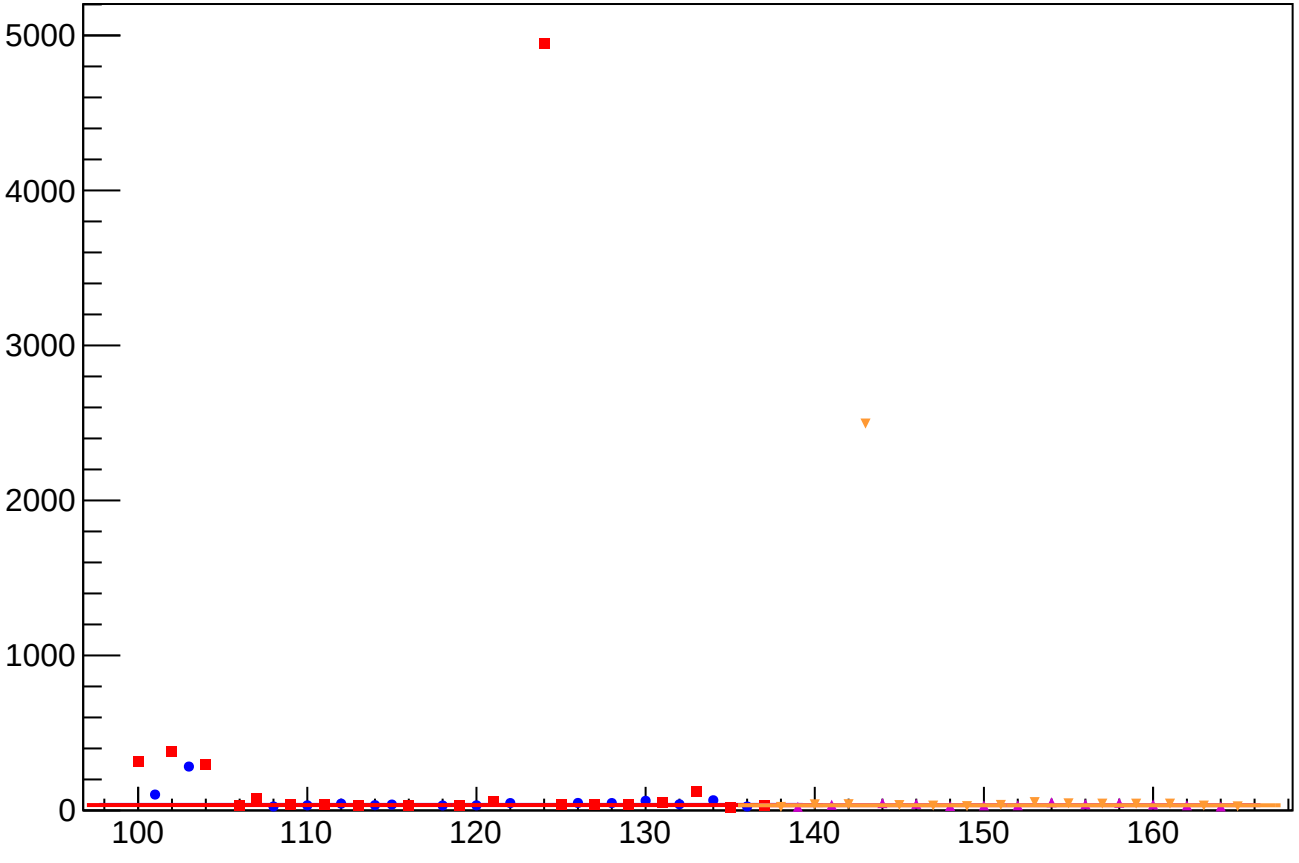
In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62


asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.017+/-0.015 χ²/NDF: 11.5/15
Left Out: -0.040+/-0.011 χ²/NDF:17.8/14
Right Out: -0.014+/-0.016 χ²/NDF: 16.0/18
Left In: 0.004+/-0.011 χ²/NDF:5.5/12
Left: -0.019+/-0.008 χ²/NDF: 31.2/27
Right: 0.002+/-0.011 χ²/NDF: 29.4/34
In: 0.009+/-0.009 χ²/NDF:17.4/28
Out: -0.031+/-0.009 χ²/NDF:35.7/33
All: -0.012+/-0.006 χ²/NDF: 62.9/62

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: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

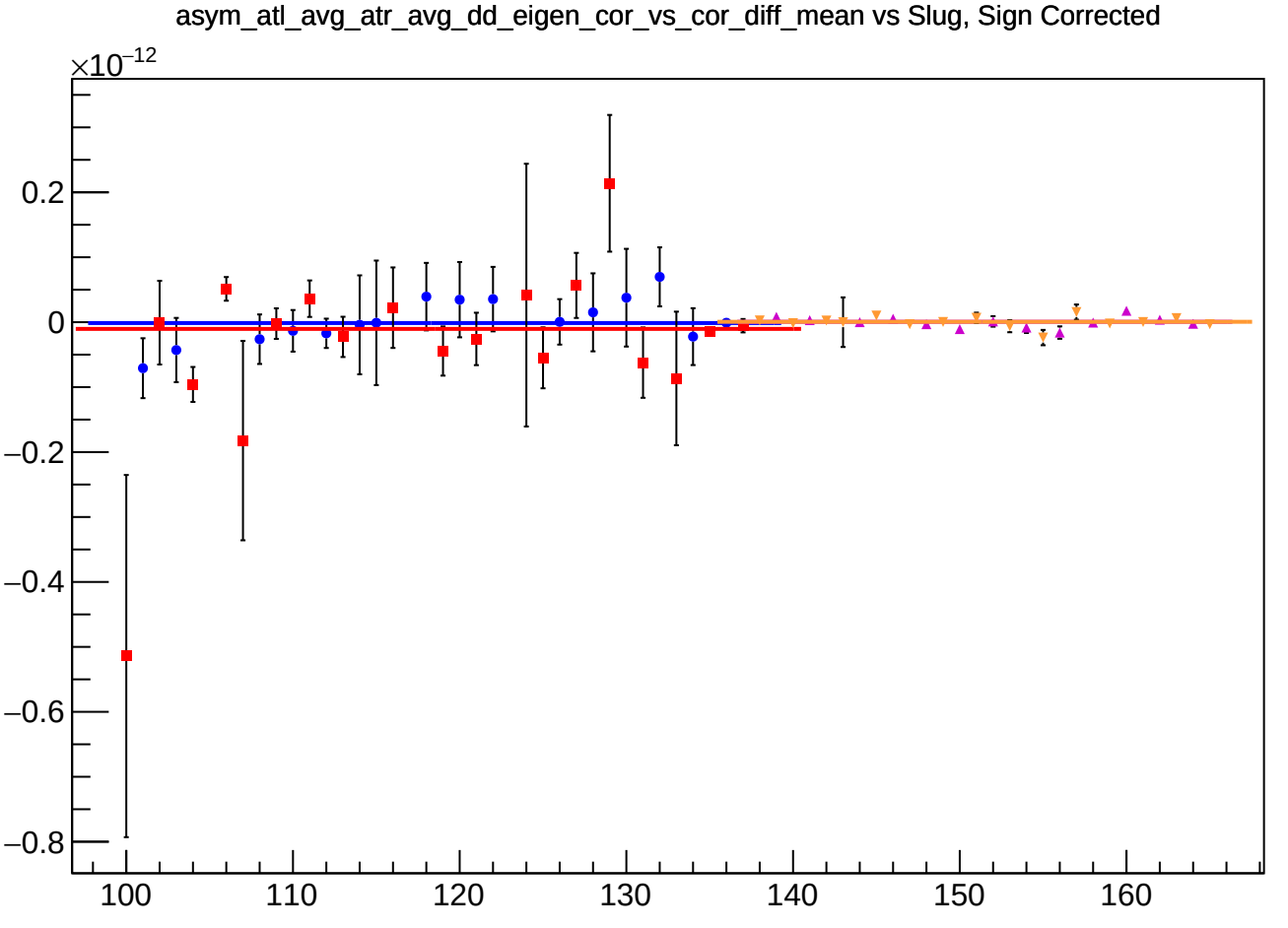
Left: 33.879+/-0.006 χ^2/NDF: 3762475.5/27

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/12

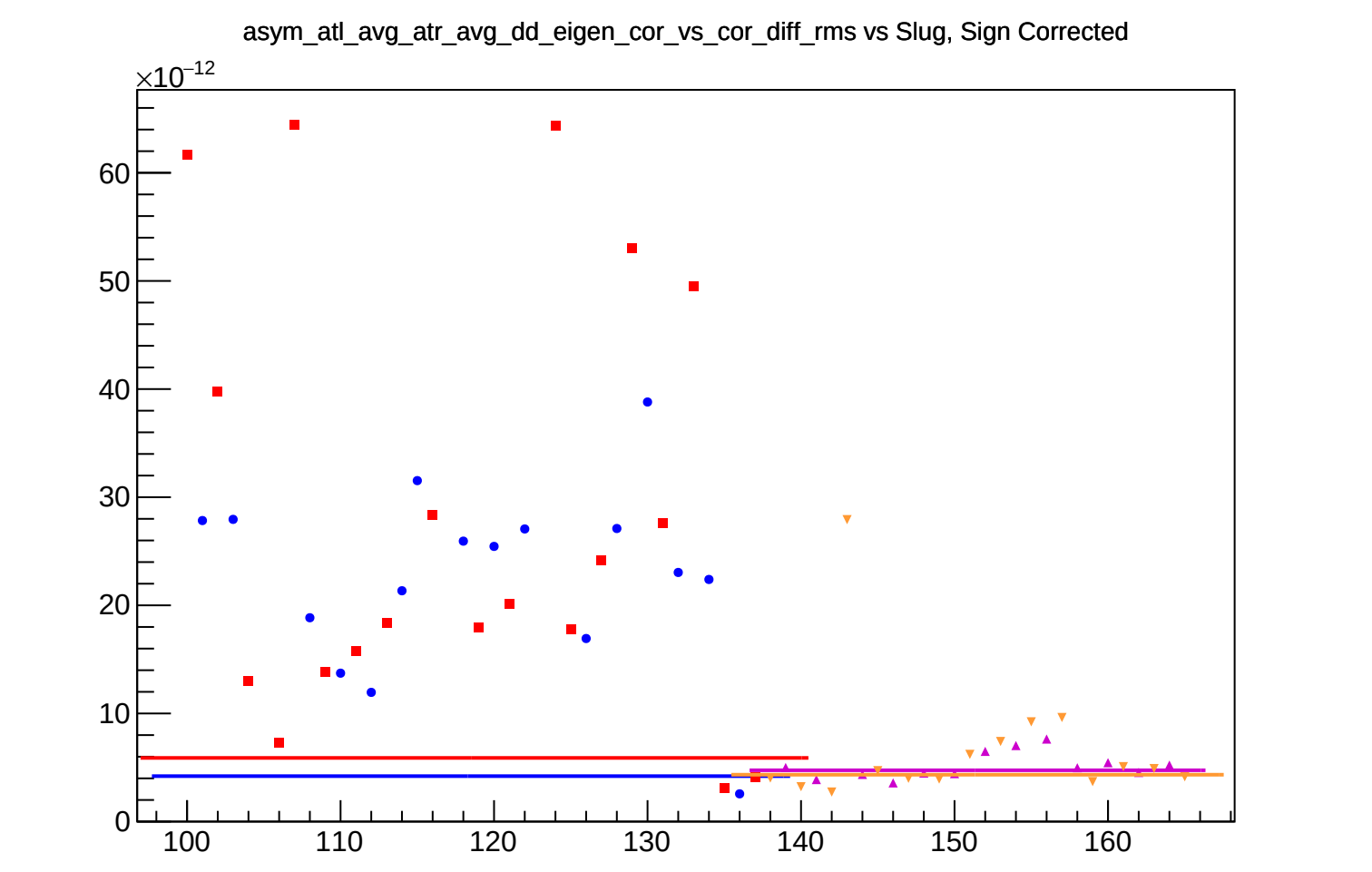
Left: 0.000+/-0.000 χ^2/NDF: 29.1/27

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/28

Out: -0.000+/-0.000 χ^2/NDF:57.6/33

All: -0.000+/-0.000 χ^2/NDF: 84.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2297586.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:665655.2/12

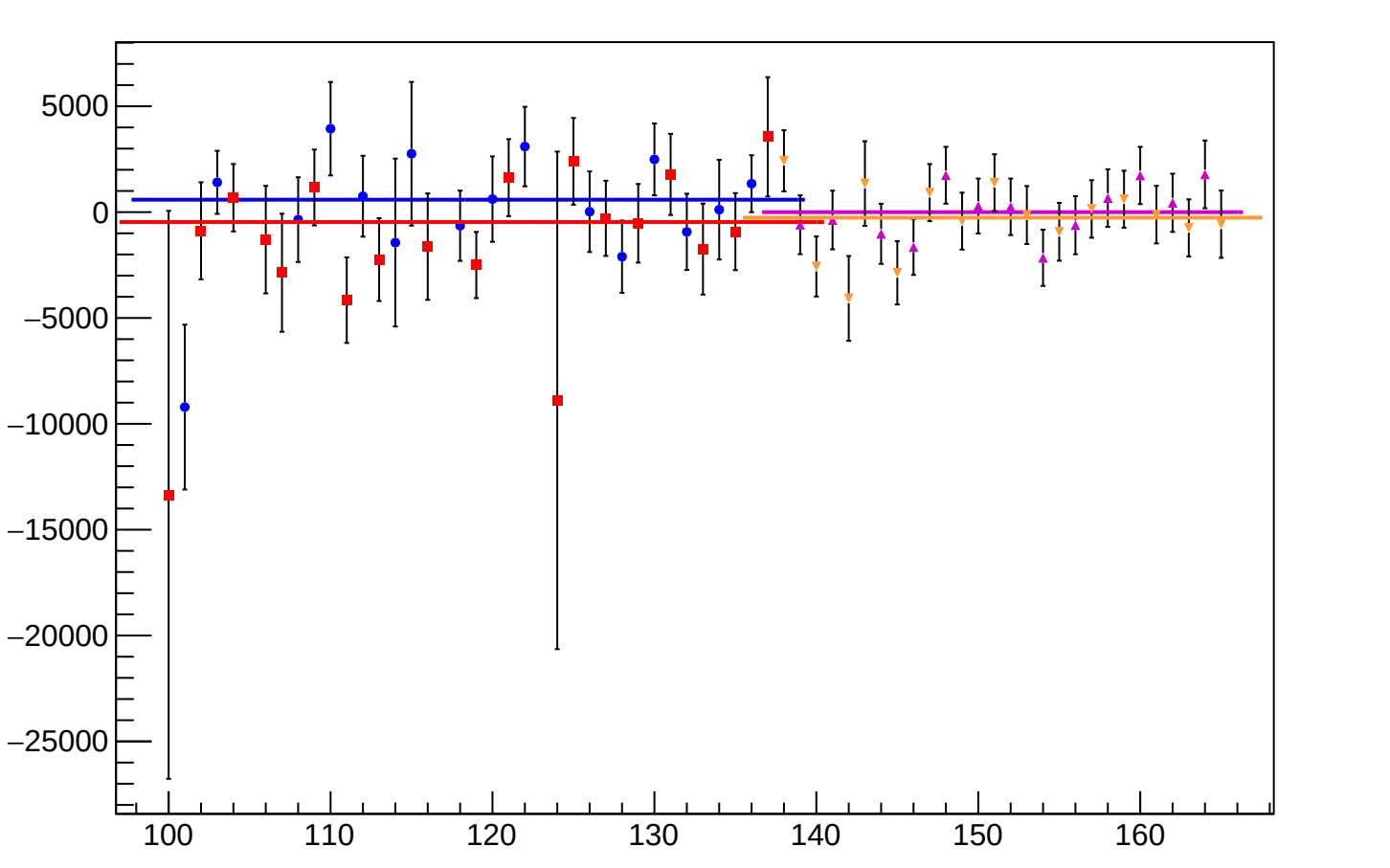
Left: 0.000+/-0.000 χ^2/NDF: 3023661.4/27

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5785958.1/28

Out: 0.000+/-0.000 χ^2/NDF:7399291.7/33

All: 0.000+/-0.000 χ^2/NDF: 13189456.0/62



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.378+/-371.977 χ^2/NDF:16.6/14

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -0.394+/-379.805 χ^2/NDF:10.2/12

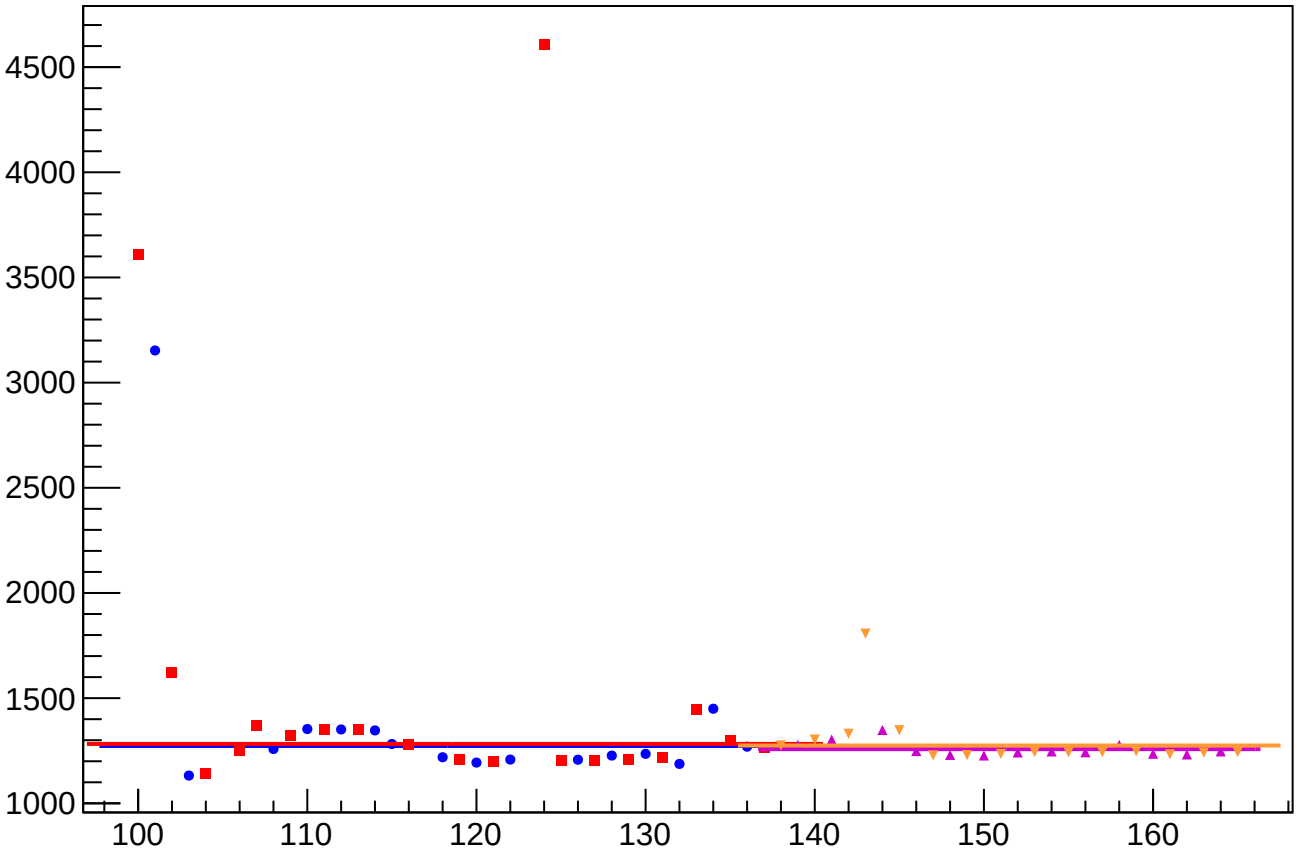
Left: -133.093+/-265.752 χ^2/NDF: 27.1/27

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 224.340+/-298.422 χ^2/NDF:28.2/28

Out: -338.556+/-294.141 χ^2/NDF:33.6/33

All: -61.174+/-209.486 χ^2/NDF: 63.6/62



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

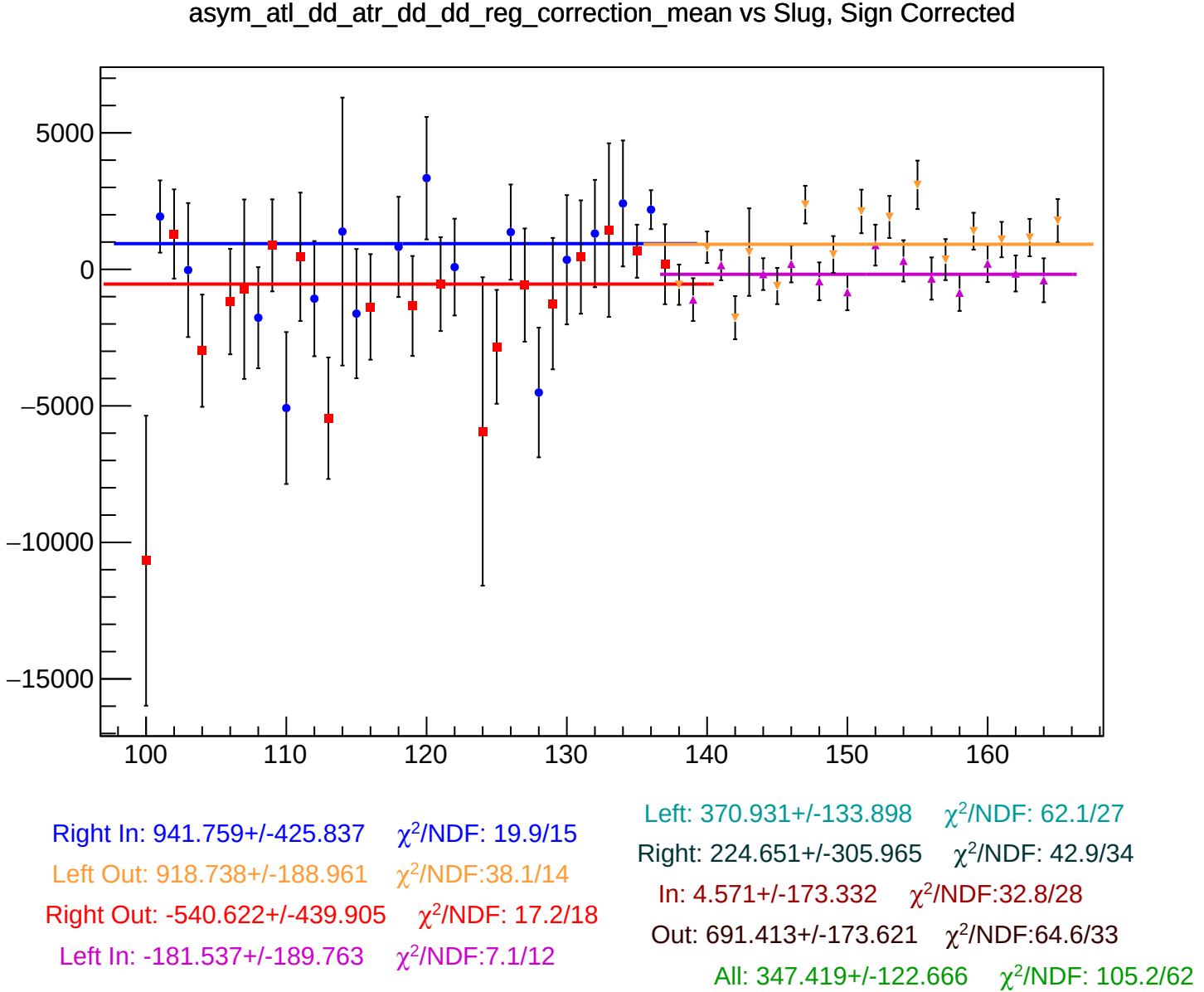
Left: 1266.431+/-0.188 χ^2/NDF: 180369.3/27

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

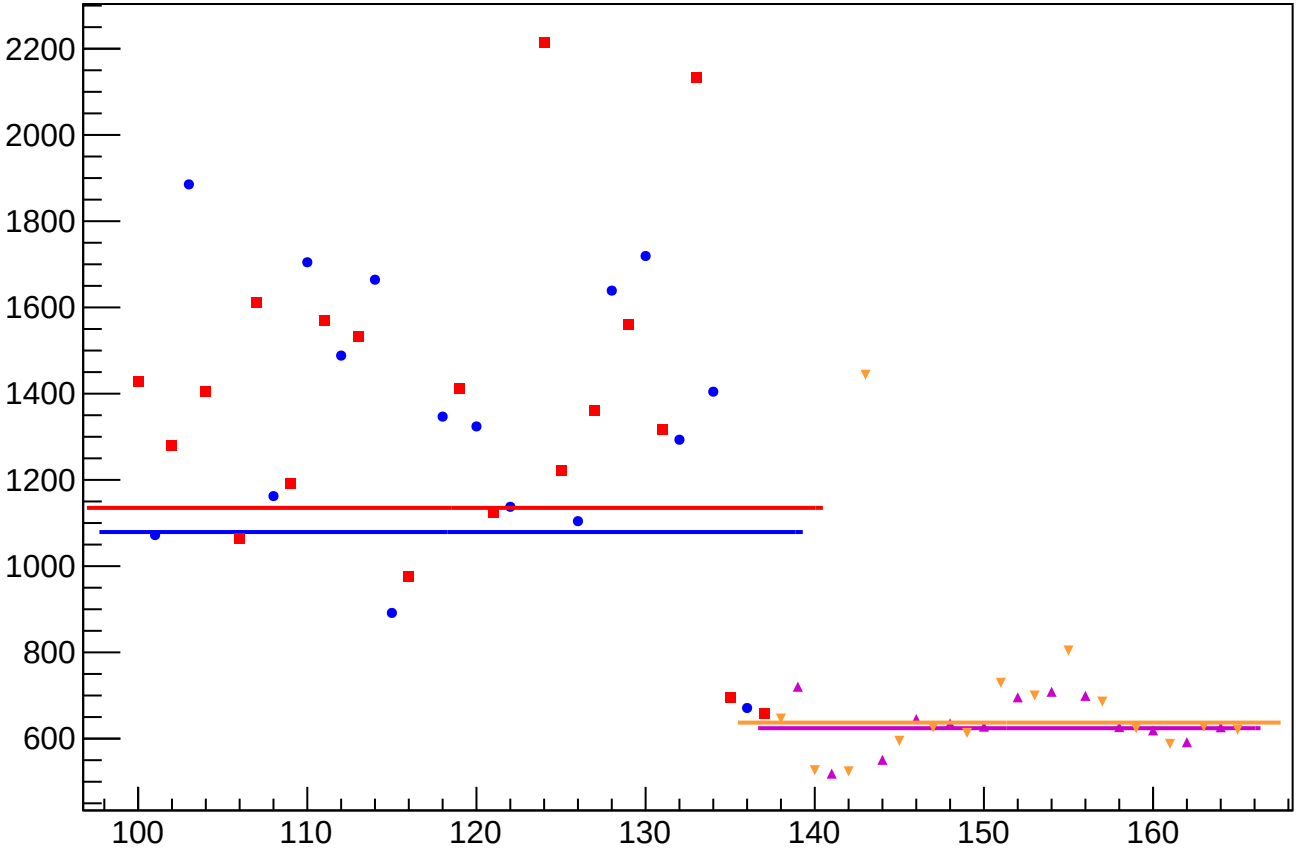
In: 1263.406+/-0.211 χ^2/NDF:535742.5/28

Out: 1277.709+/-0.208 χ^2/NDF:485406.1/33

All: 1270.661+/-0.148 χ^2/NDF: 1023478.9/62


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 918.738+/-188.961 χ²/NDF:38.1/14
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -181.537+/-189.763 χ²/NDF:7.1/12
Left: 370.931+/-133.898 χ²/NDF: 62.1/27
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 4.571+/-173.332 χ²/NDF:32.8/28
Out: 691.413+/-173.621 χ²/NDF:64.6/33
All: 347.419+/-122.666 χ²/NDF: 105.2/62

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: 637.199+/-0.134 χ^2/NDF:764887.9/14

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

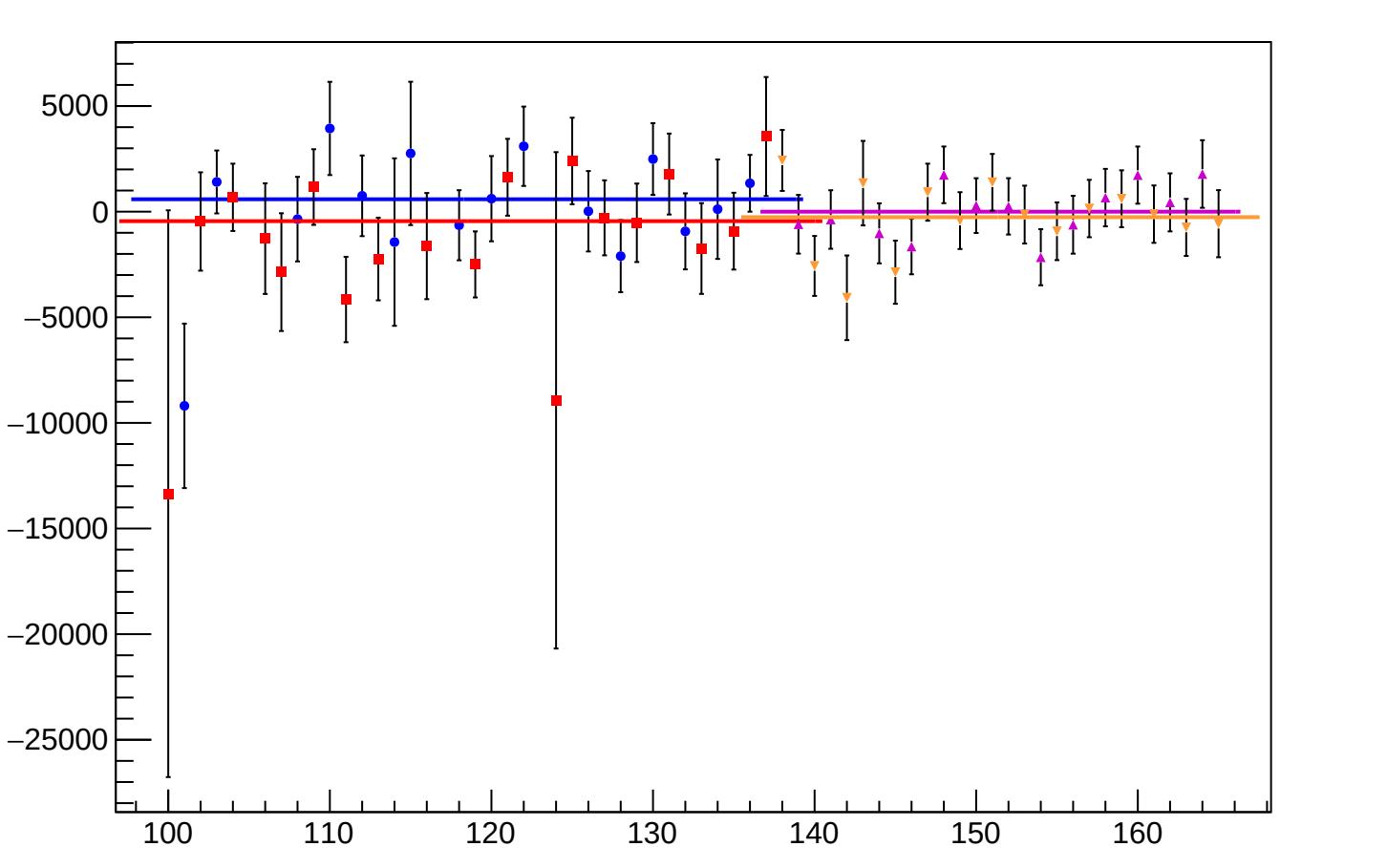
Left: 630.724+/-0.095 χ^2/NDF: 973156.7/27

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 699.566+/-0.123 χ^2/NDF:3590177.7/28

Out: 714.767+/-0.123 χ^2/NDF:4221511.9/33

All: 707.154+/-0.087 χ^2/NDF: 7819367.3/62



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -0.410+/-379.805 χ^2/NDF:10.2/12

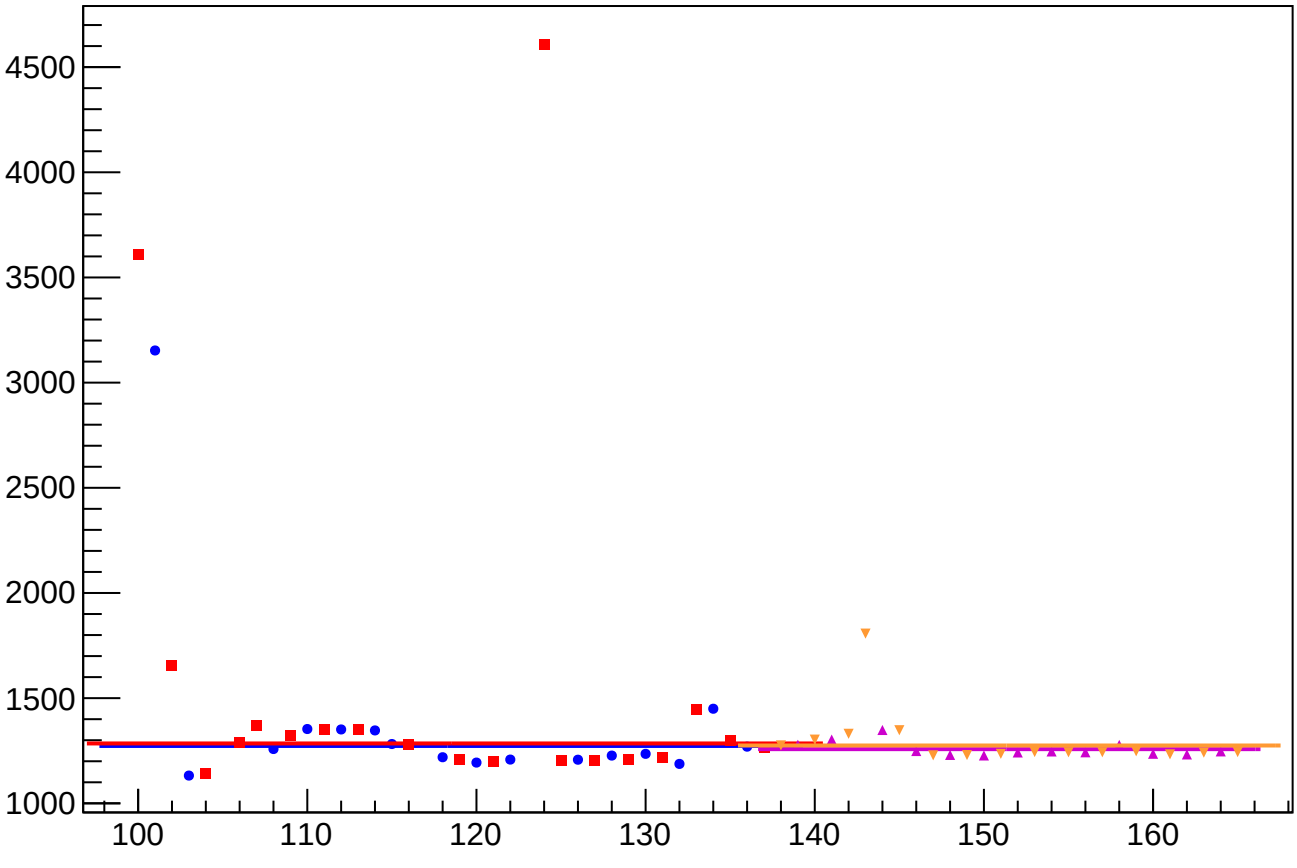
Left: -133.159+/-265.752 χ^2/NDF: 27.1/27

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.452+/-298.422 χ^2/NDF:28.2/28

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -56.987+/-209.554 χ^2/NDF: 63.5/62



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

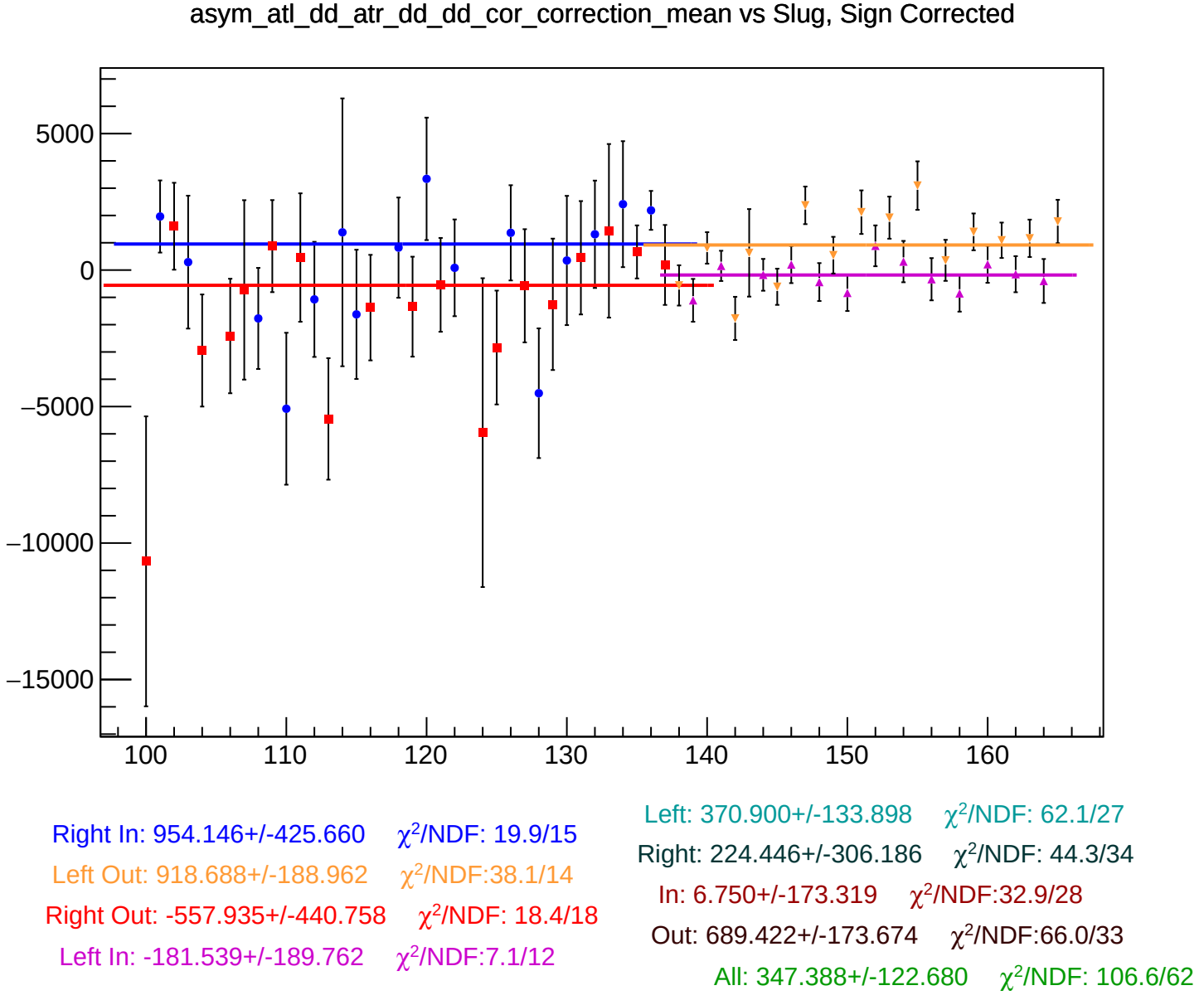
Left: 1266.431+/-0.188 χ^2/NDF: 180369.3/27

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

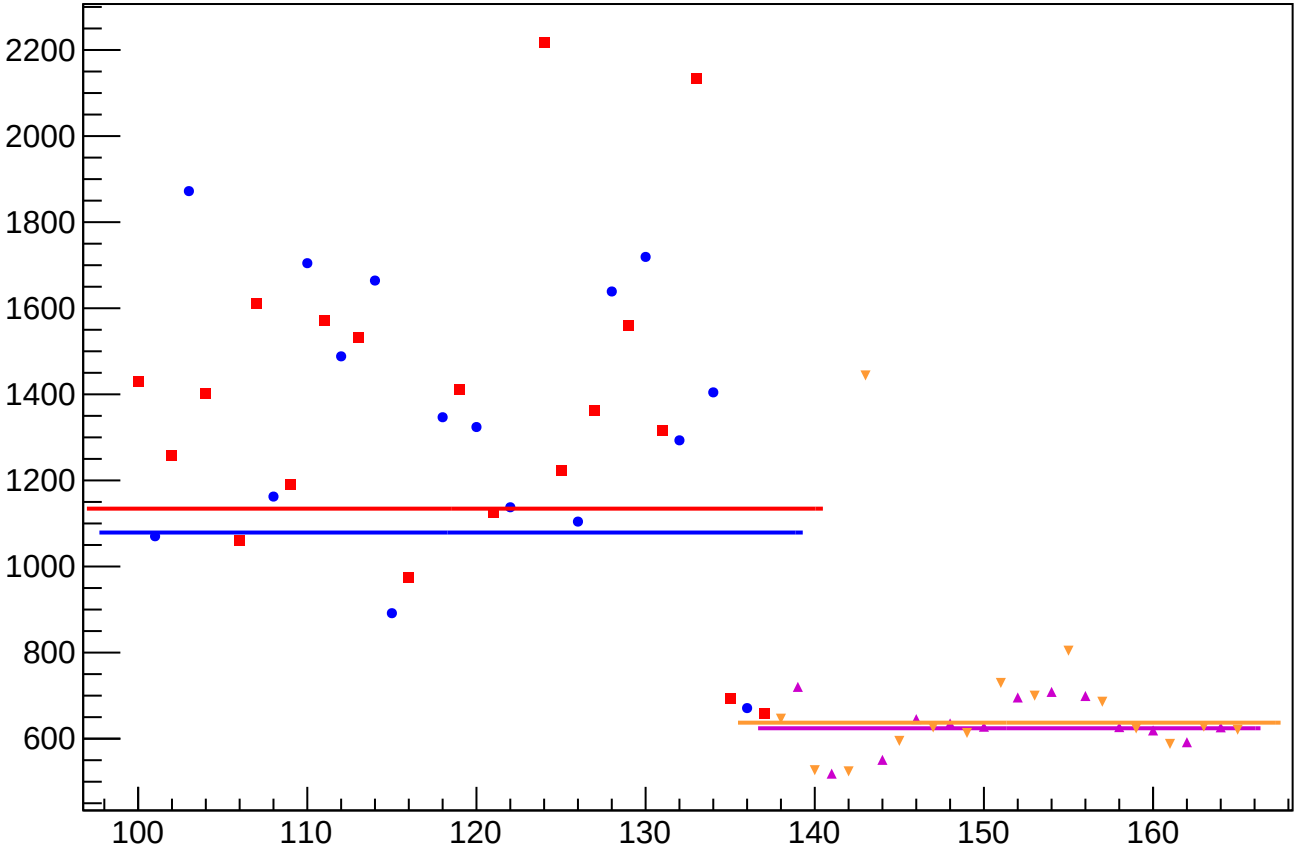
In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -181.539+/-189.762 χ²/NDF:7.1/12
Left: 370.900+/-133.898 χ²/NDF: 62.1/27
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 6.750+/-173.319 χ²/NDF:32.9/28
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 347.388+/-122.680 χ²/NDF: 106.6/62

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: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

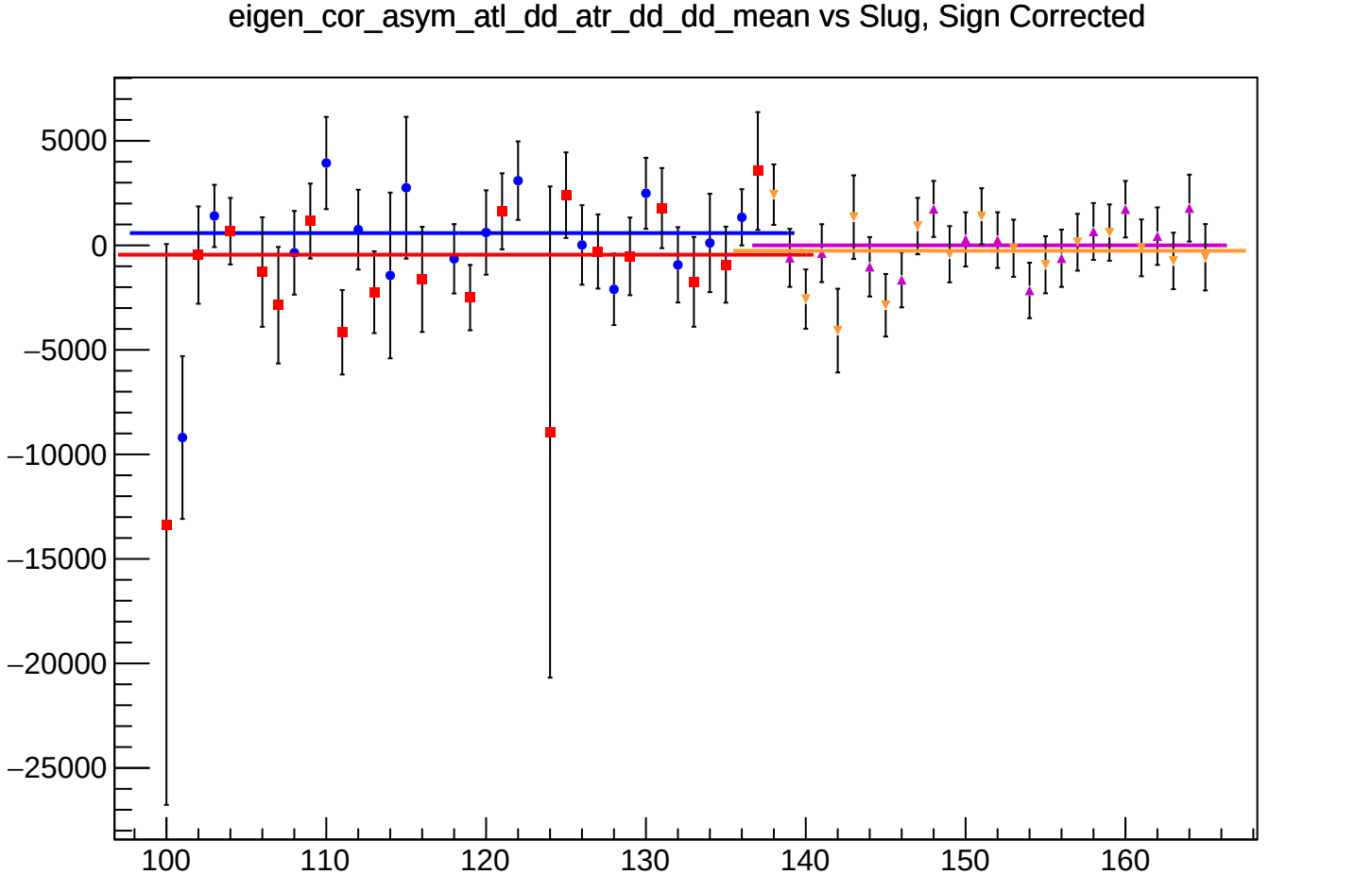
Left: 630.725+/-0.095 χ^2/NDF: 973100.1/27

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -0.410+/-379.805 χ^2/NDF:10.2/12

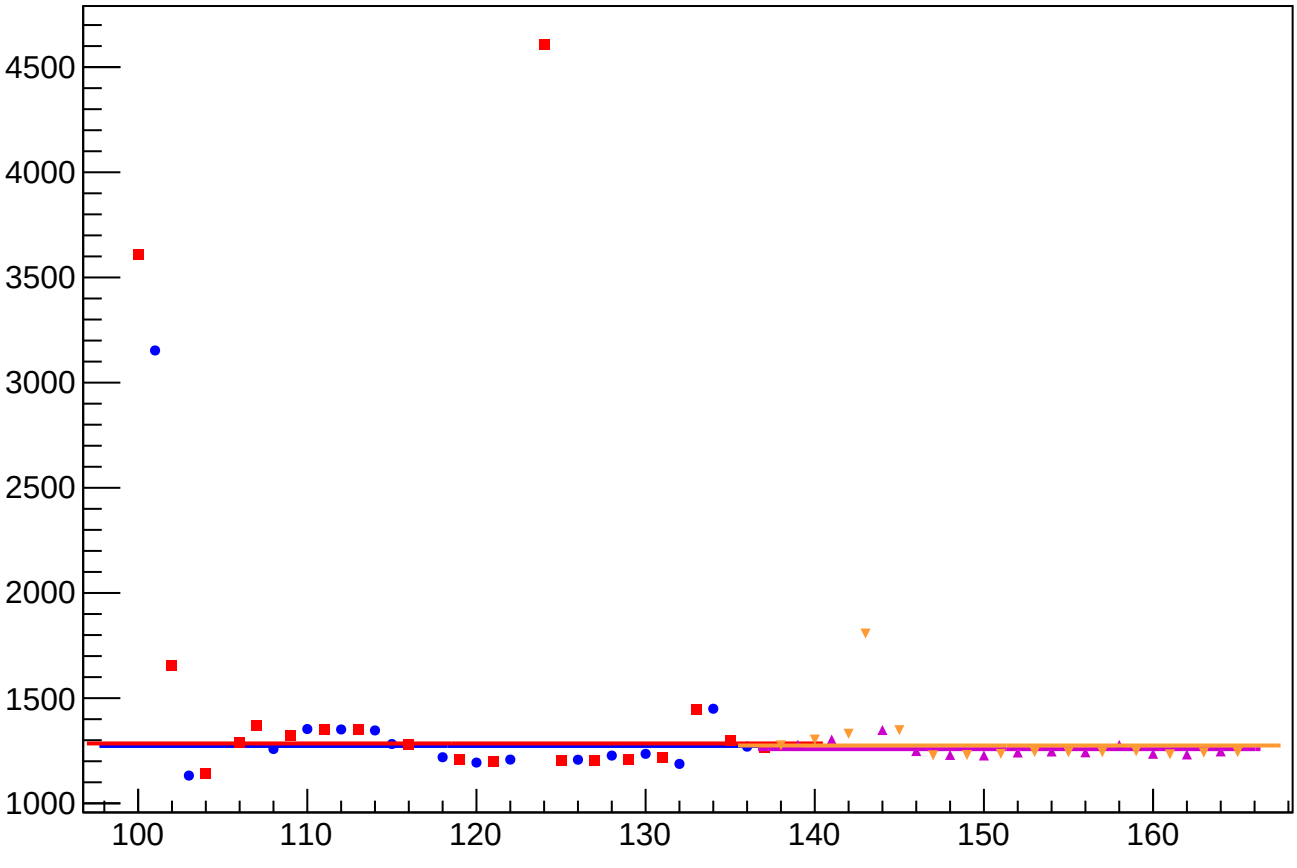
Left: -133.159+/-265.752 χ^2/NDF: 27.1/27

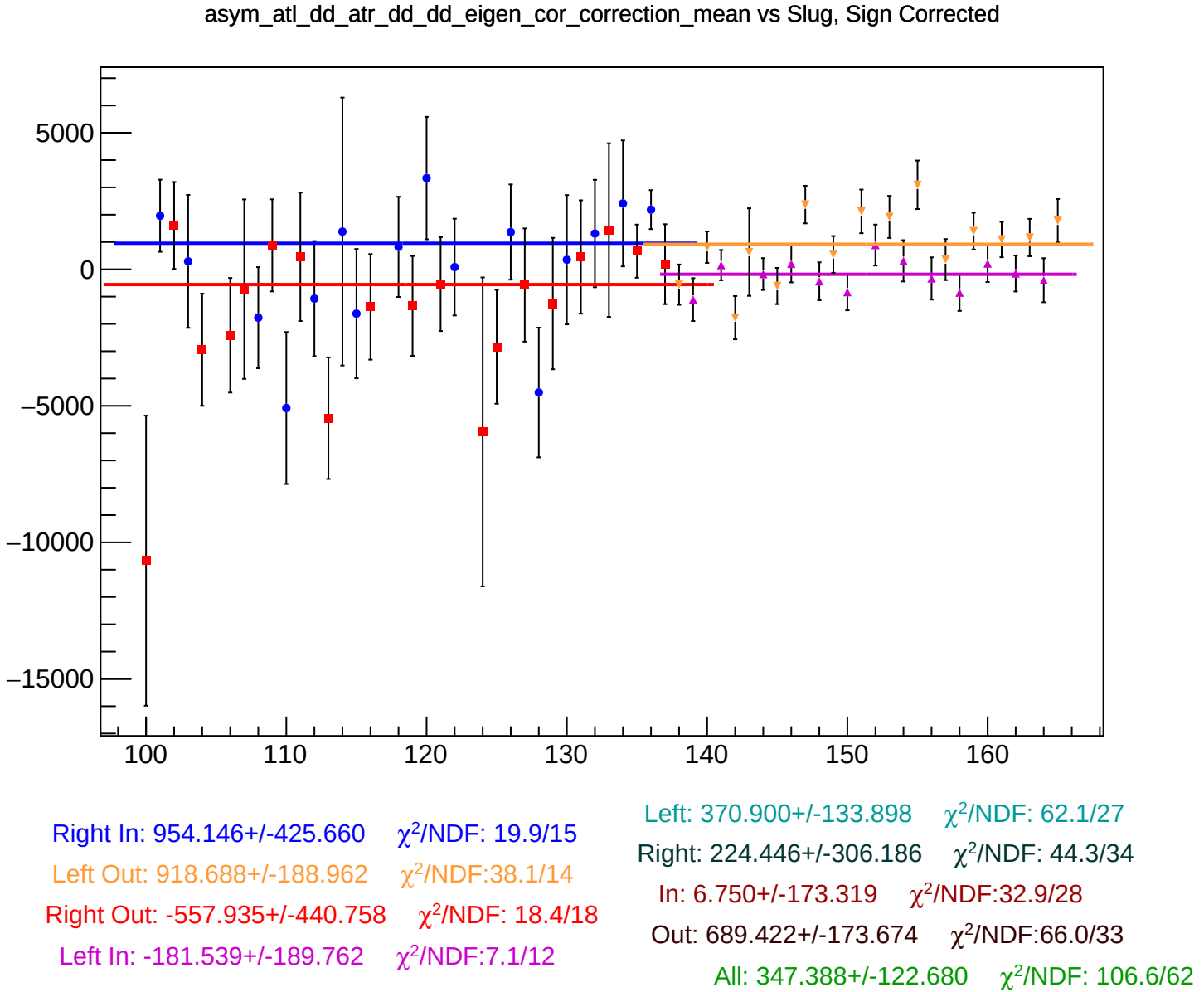
Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.452+/-298.422 χ^2/NDF:28.2/28

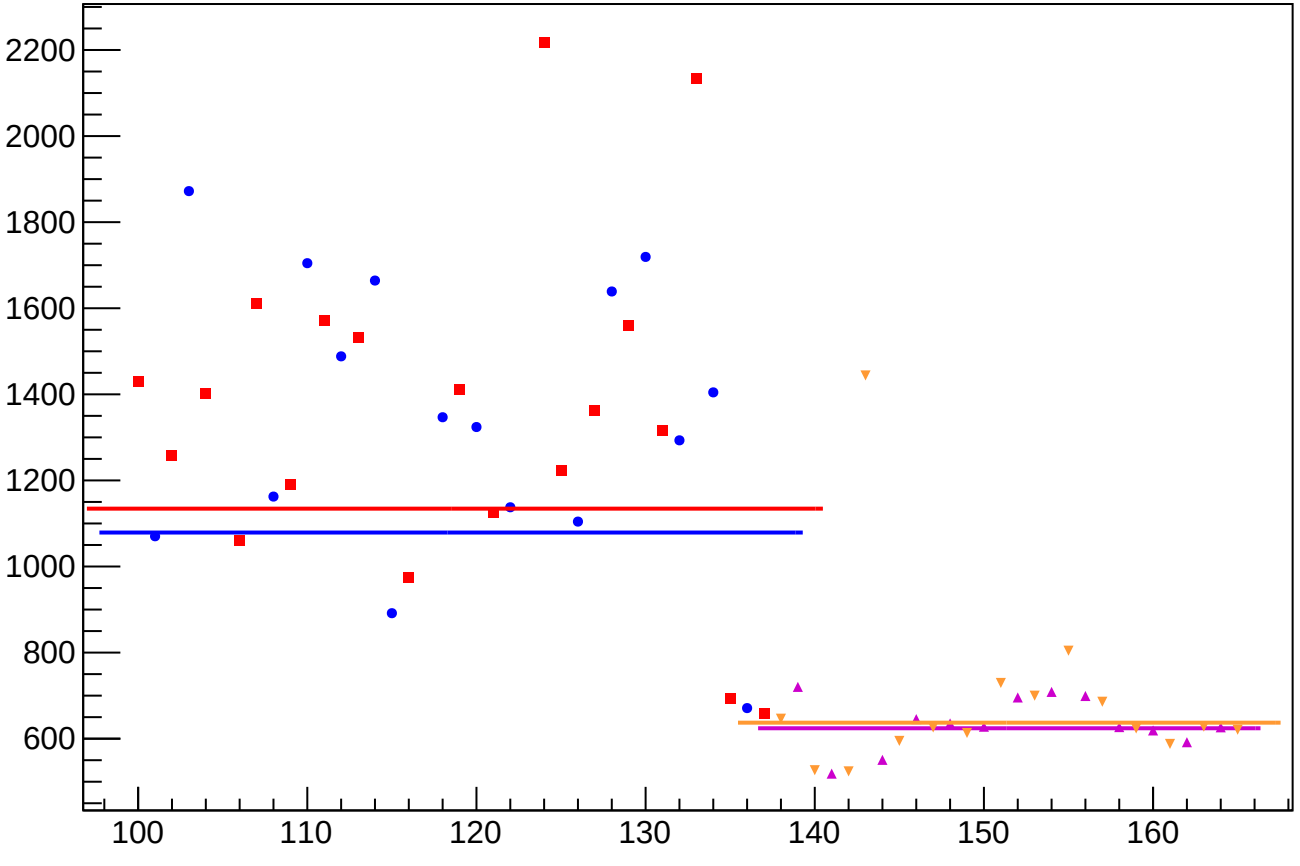
Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -56.987+/-209.554 χ^2/NDF: 63.5/62


eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1272.804+/-0.341 χ²/NDF: 519299.6/15
Left Out: 1274.919+/-0.263 χ²/NDF:163027.2/14
Right Out: 1284.654+/-0.340 χ²/NDF: 328734.9/18
Left In: 1257.581+/-0.269 χ²/NDF:15214.9/12
Left: 1266.431+/-0.188 χ²/NDF: 180369.3/27
Right: 1278.743+/-0.241 χ²/NDF: 848639.3/34
In: 1263.406+/-0.211 χ²/NDF:535743.9/28
Out: 1278.559+/-0.208 χ²/NDF:492274.3/33
All: 1271.087+/-0.148 χ²/NDF: 1030632.2/62


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -181.539+/-189.762 χ²/NDF:7.1/12
Left: 370.900+/-133.898 χ²/NDF: 62.1/27
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 6.750+/-173.319 χ²/NDF:32.9/28
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 347.388+/-122.680 χ²/NDF: 106.6/62

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: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

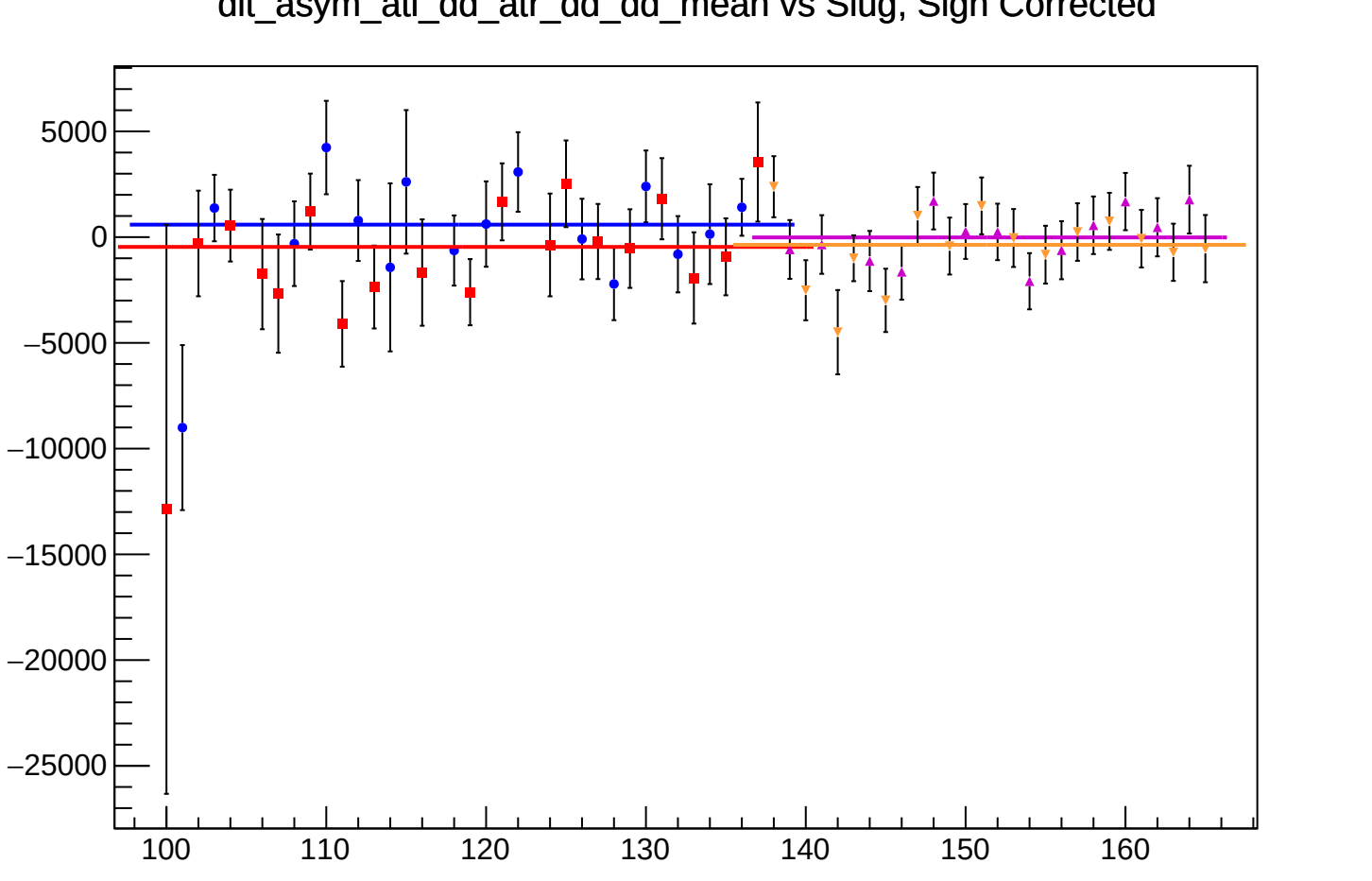
Left: 630.725+/-0.095 χ^2/NDF: 973100.1/27

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.044+/-357.625 χ^2/NDF:17.7/14

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.991+/-380.144 χ^2/NDF:9.8/12

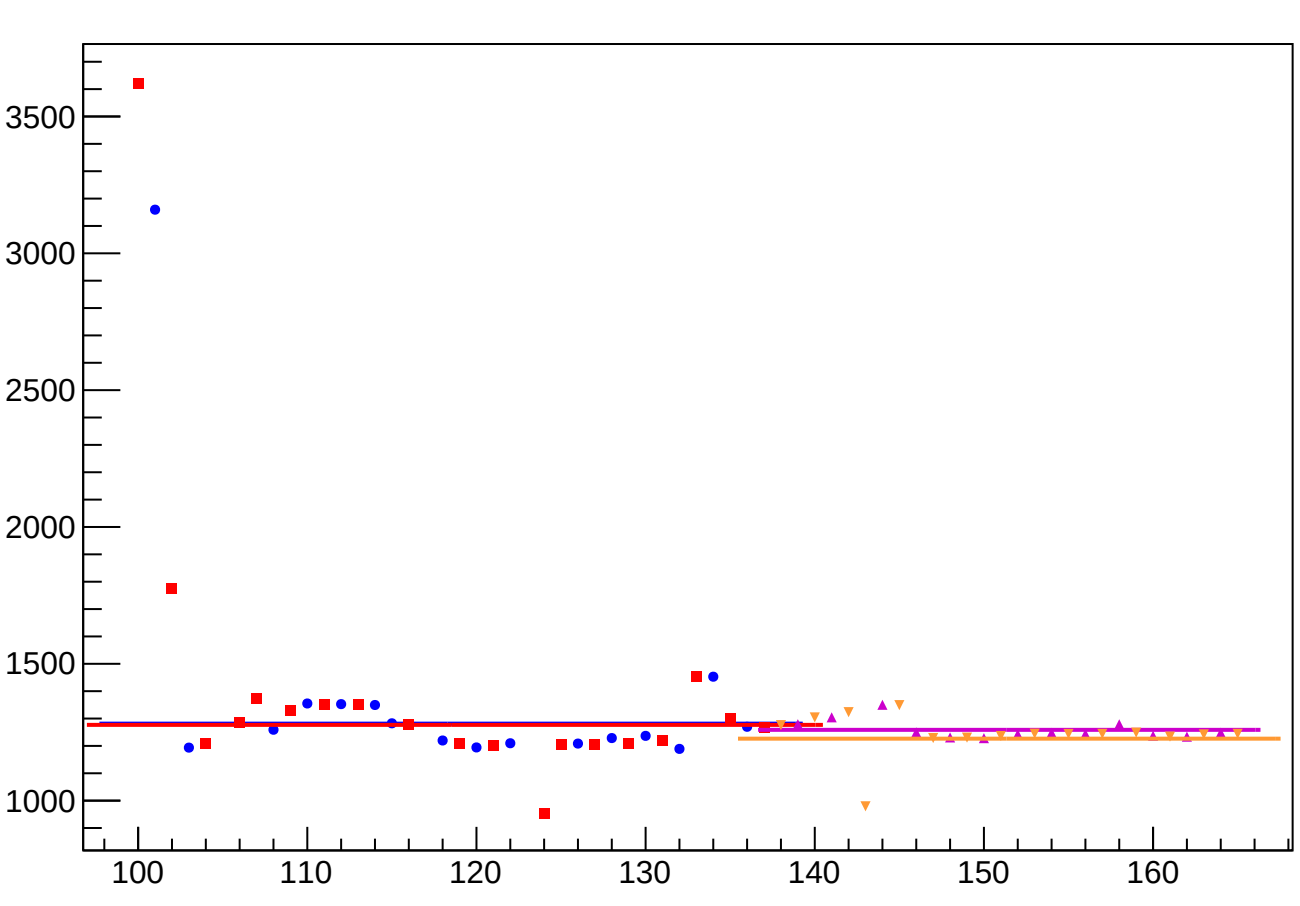
Left: -199.692+/-260.476 χ^2/NDF: 28.0/27

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 215.699+/-299.305 χ^2/NDF:27.9/28

Out: -399.530+/-286.092 χ^2/NDF:34.4/33

All: -105.795+/-206.811 χ^2/NDF: 64.6/62



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.8/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

Left: 1241.603+/-0.184 χ^2/NDF: 155645.1/27

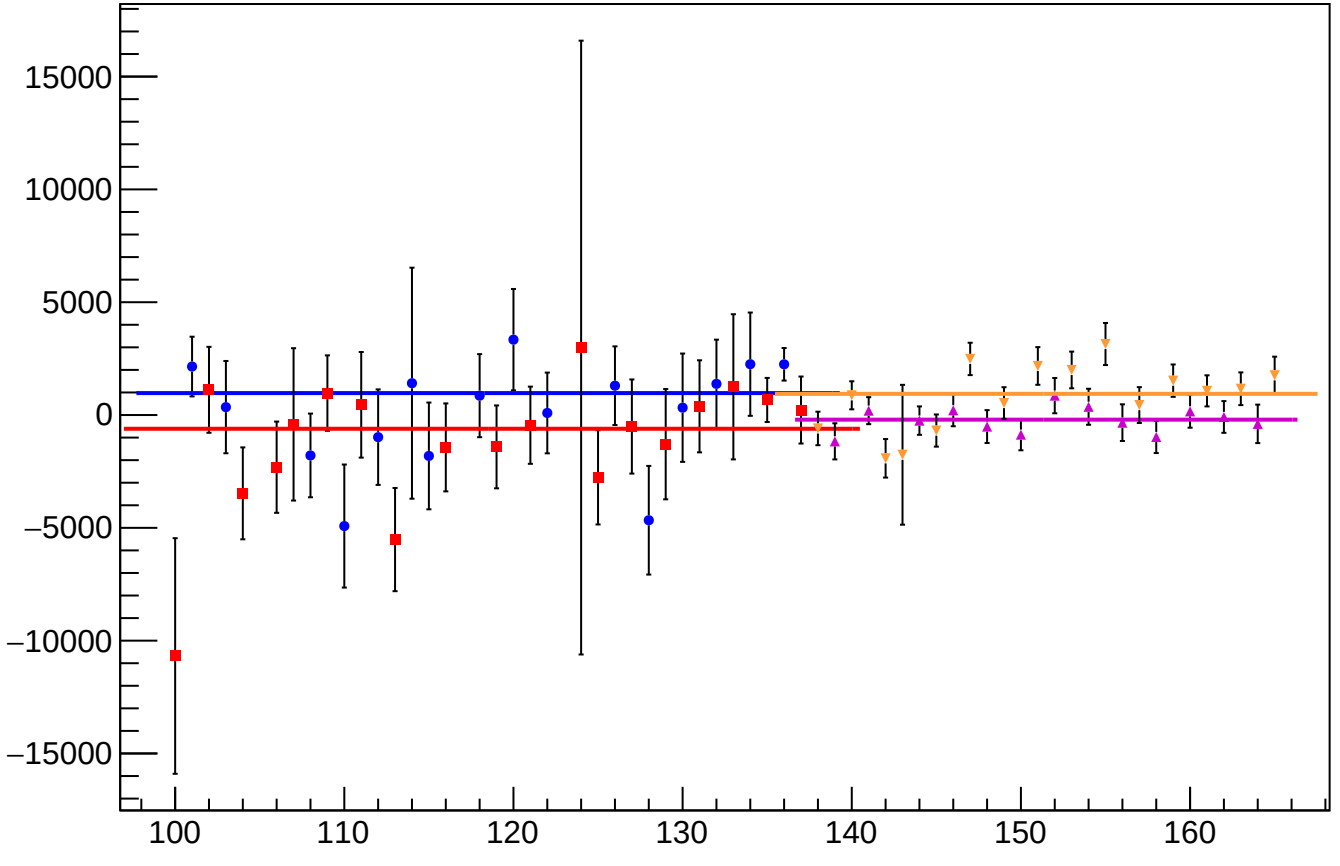
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1267.315+/-0.212 χ^2/NDF:525079.0/28

Out: 1244.615+/-0.202 χ^2/NDF:367531.4/33

All: 1255.453+/-0.146 χ^2/NDF: 898622.2/62

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: 939.024+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -205.452+/-200.714 χ^2/NDF:7.2/12

Left: 367.903+/-141.787 χ^2/NDF: 61.6/27

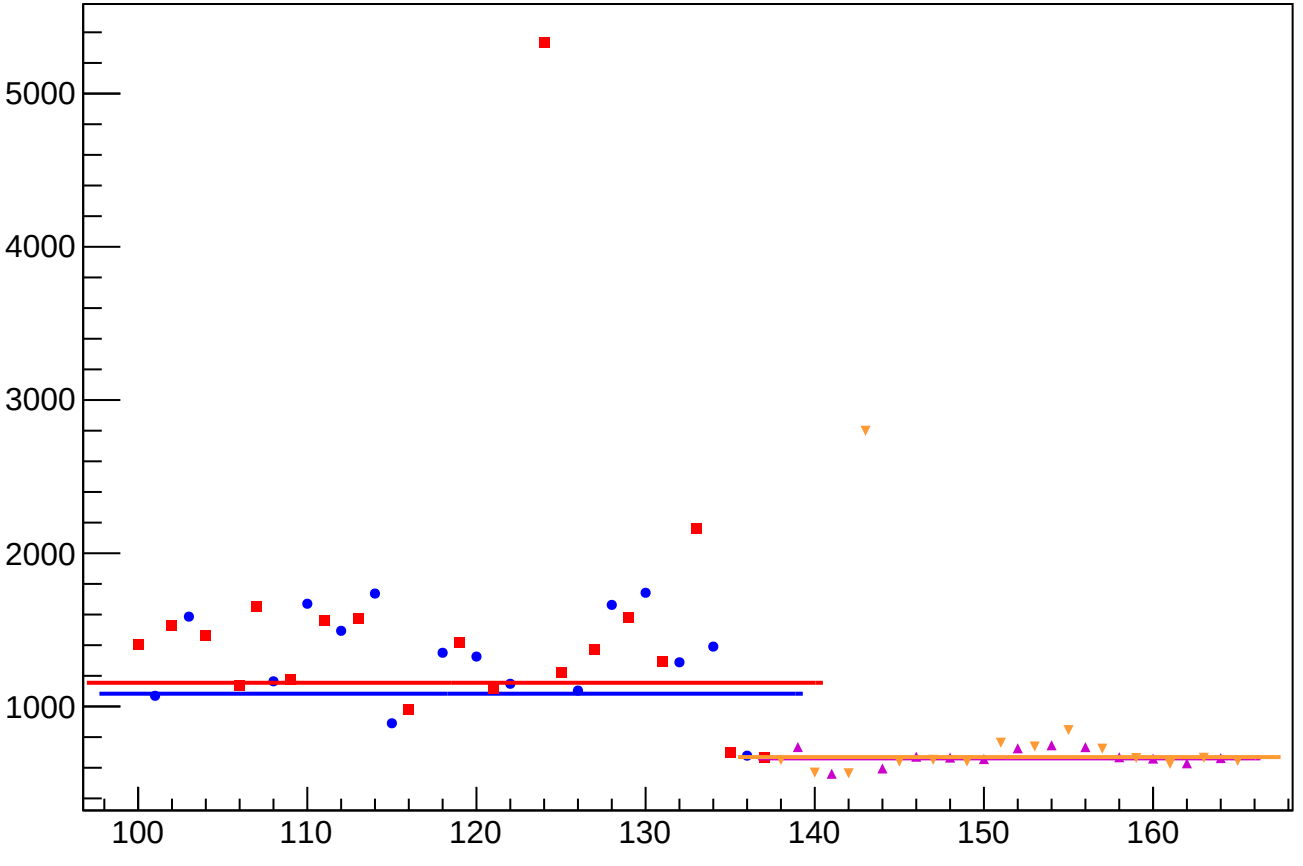
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 9.143+/-181.509 χ^2/NDF:33.9/28

Out: 680.923+/-182.855 χ^2/NDF:65.2/33

All: 342.552+/-128.819 χ^2/NDF: 105.9/62

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168568.4/14

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

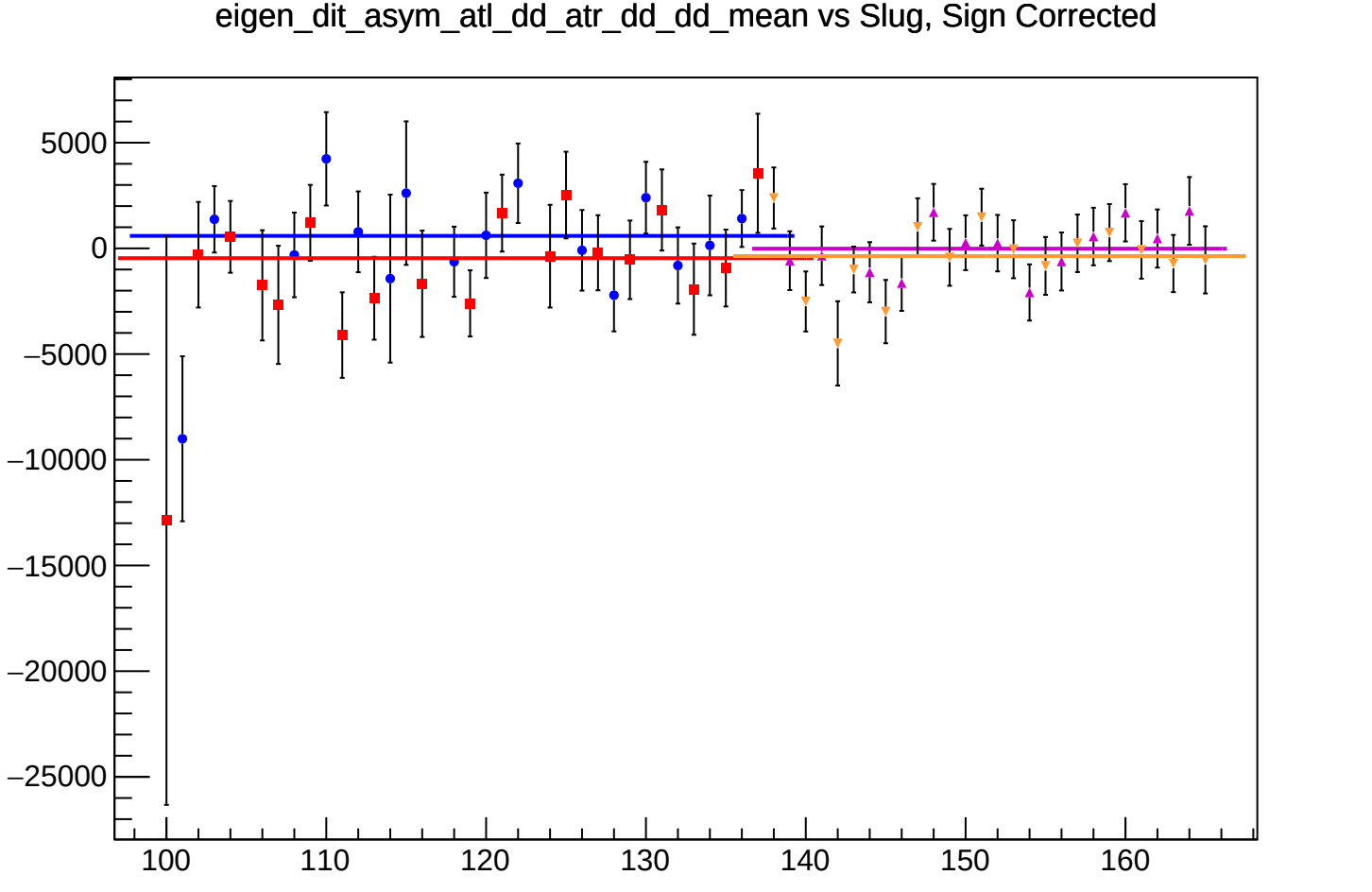
Left: 665.496+/-0.100 χ^2/NDF: 1323941.0/27

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 738.073+/-0.128 χ^2/NDF:3126005.3/28

Out: 750.705+/-0.129 χ^2/NDF:4611395.2/33

All: 744.342+/-0.091 χ^2/NDF: 7742208.0/62



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.046+/-357.625 χ^2/NDF:17.7/14

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.990+/-380.144 χ^2/NDF:9.8/12

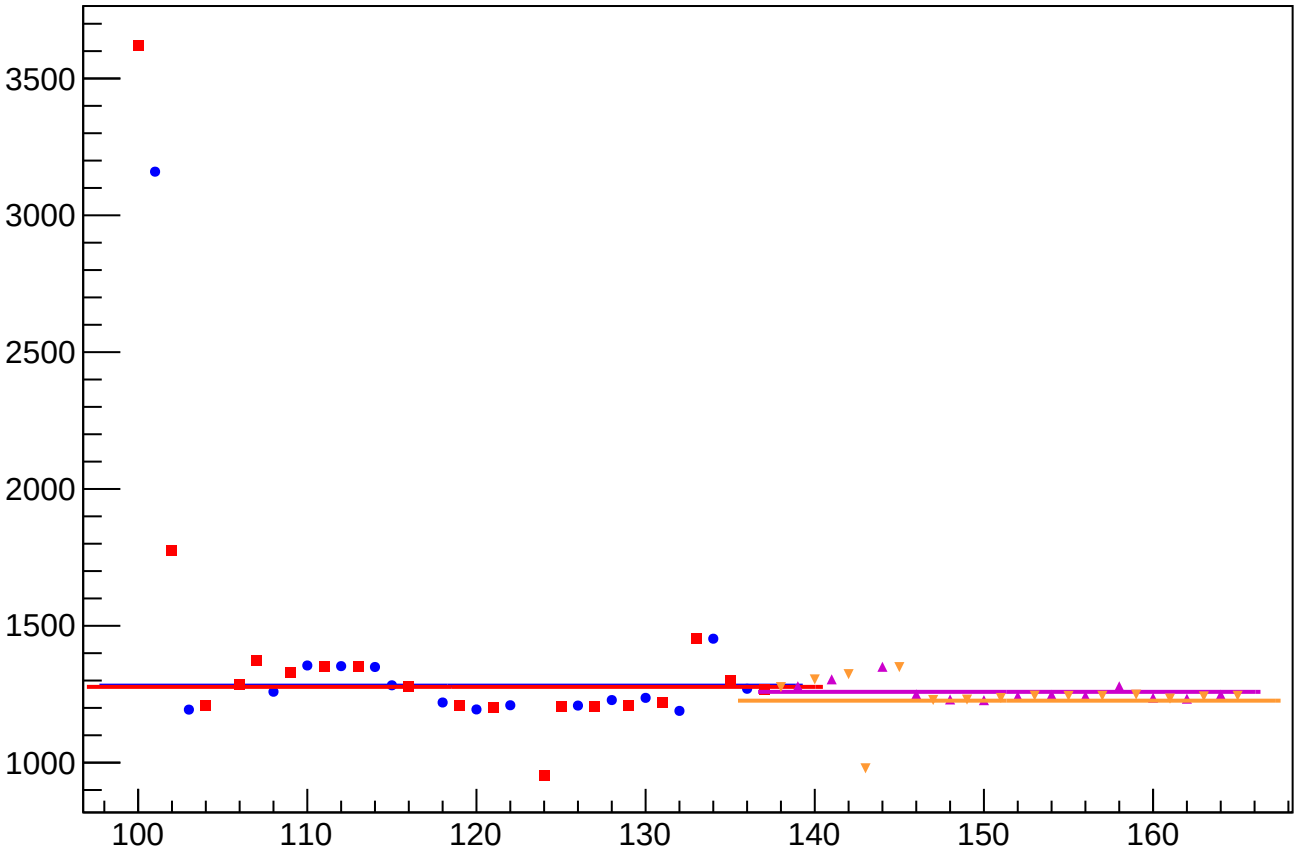
Left: -199.693+/-260.476 χ^2/NDF: 28.0/27

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 215.700+/-299.305 χ^2/NDF:27.9/28

Out: -399.531+/-286.092 χ^2/NDF:34.4/33

All: -105.795+/-206.811 χ^2/NDF: 64.6/62



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.1/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

Left: 1241.603+/-0.184 χ^2/NDF: 155644.3/27

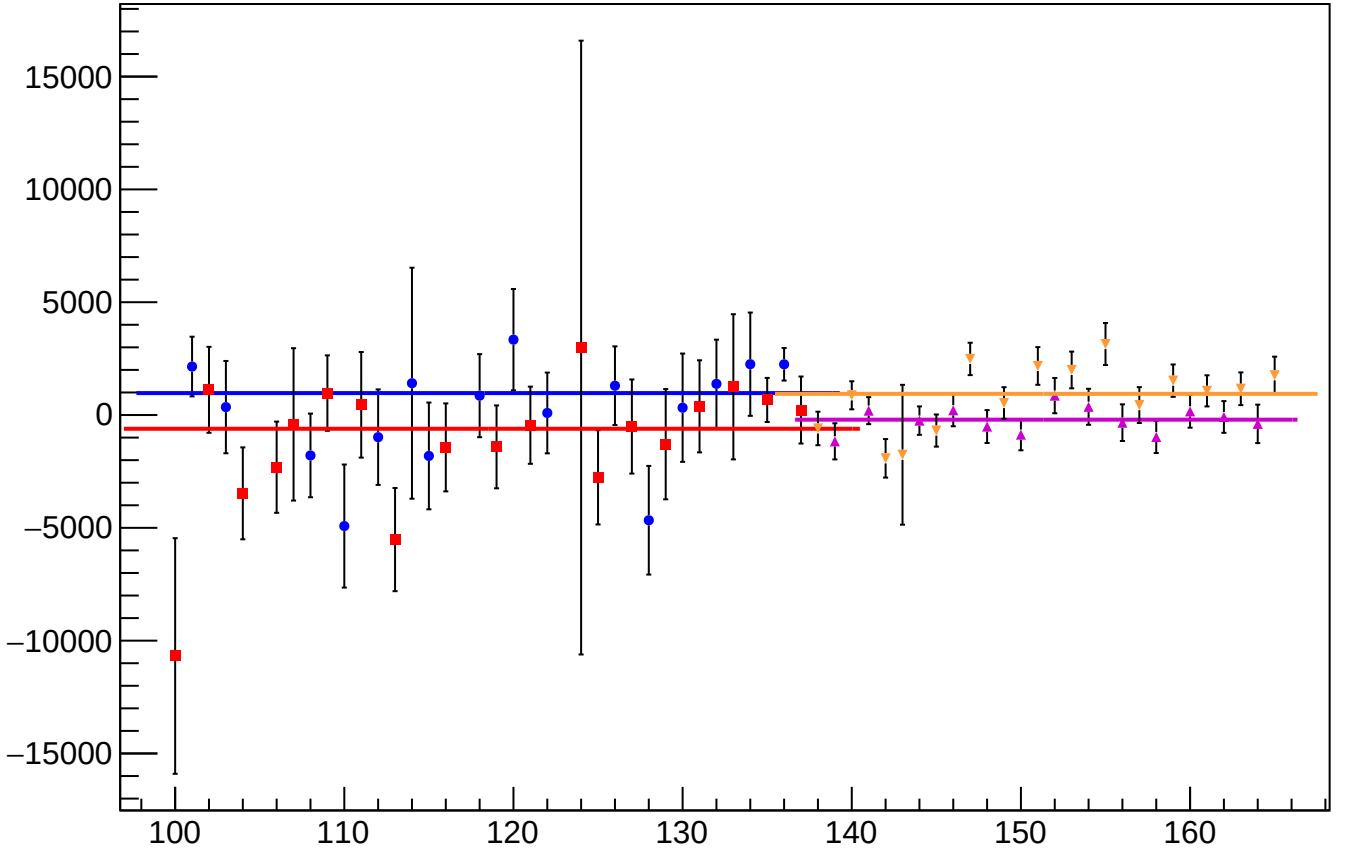
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1267.315+/-0.212 χ^2/NDF:525079.1/28

Out: 1244.615+/-0.202 χ^2/NDF:367530.4/33

All: 1255.453+/-0.146 χ^2/NDF: 898621.3/62

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 939.026+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -205.451+/-200.714 χ^2/NDF:7.2/12

Left: 367.905+/-141.787 χ^2/NDF: 61.6/27

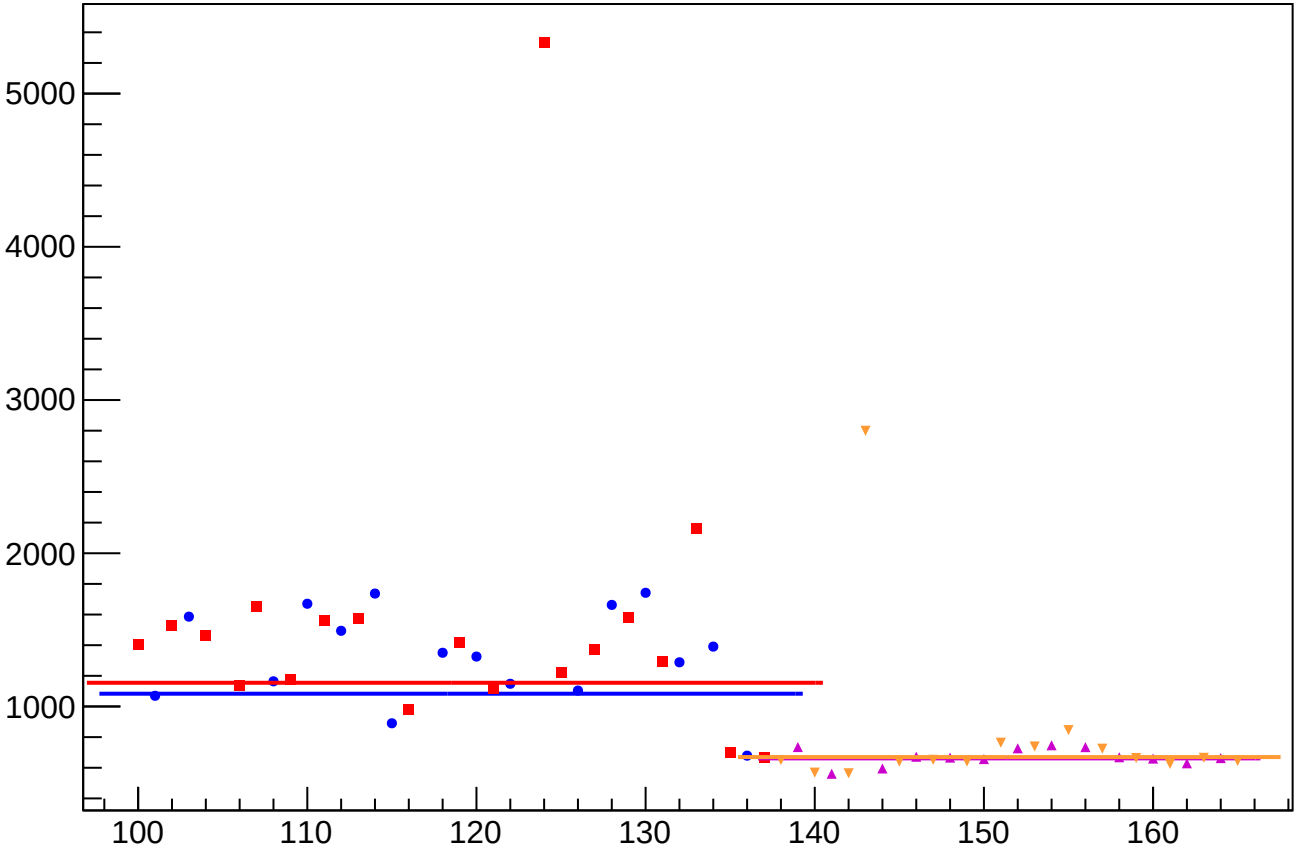
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 9.142+/-181.509 χ^2/NDF:33.9/28

Out: 680.925+/-182.855 χ^2/NDF:65.2/33

All: 342.552+/-128.819 χ^2/NDF: 105.9/62

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: 669.829+/-0.142 χ^2/NDF:1168562.7/14

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

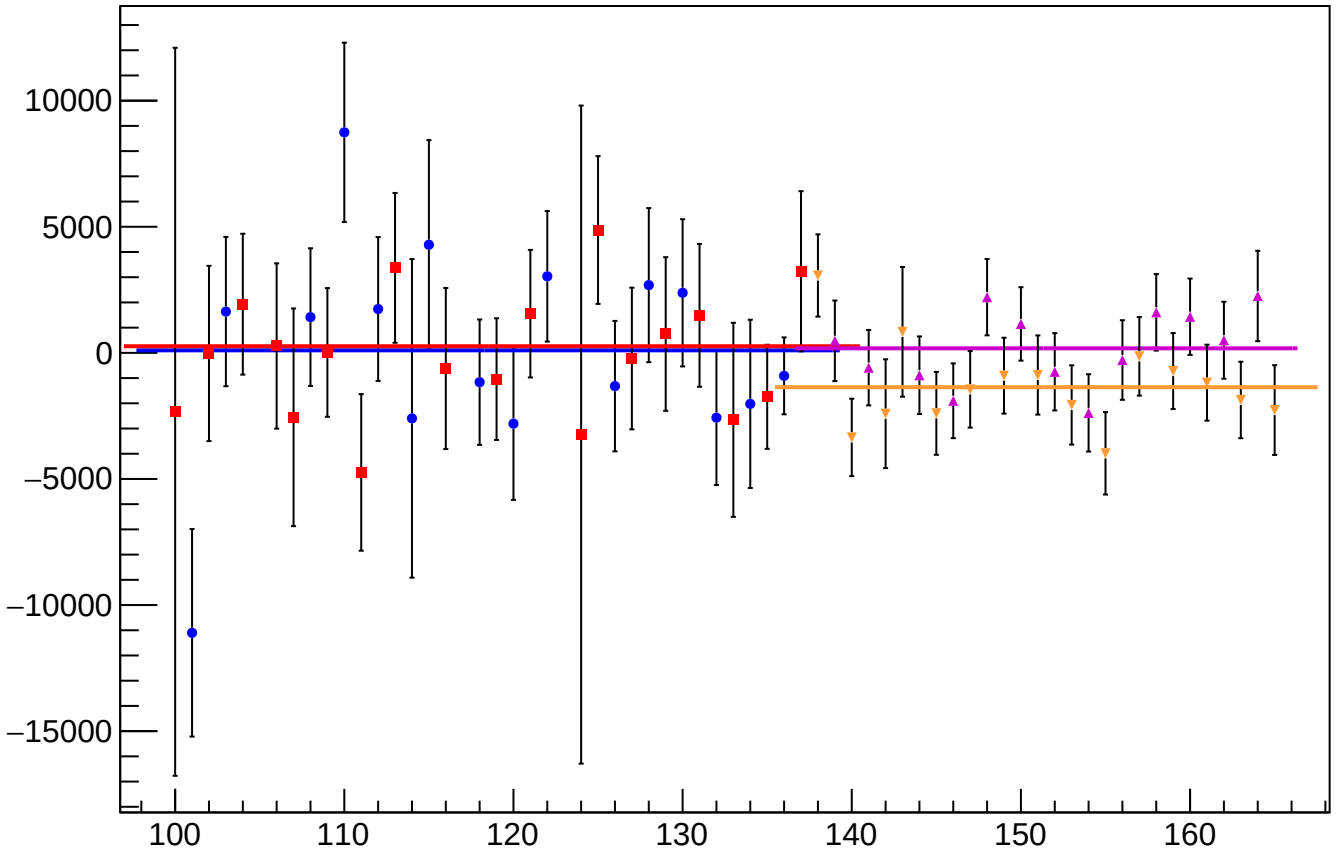
Left: 665.496+/-0.100 χ^2/NDF: 1323939.3/27

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 738.073+/-0.128 χ^2/NDF:3125994.6/28

Out: 750.706+/-0.129 χ^2/NDF:4611377.1/33

All: 744.343+/-0.091 χ^2/NDF: 7742180.0/62



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1362.253+/-421.036 χ^2/NDF:14.6/14

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 179.186+/-426.841 χ^2/NDF:11.2/12

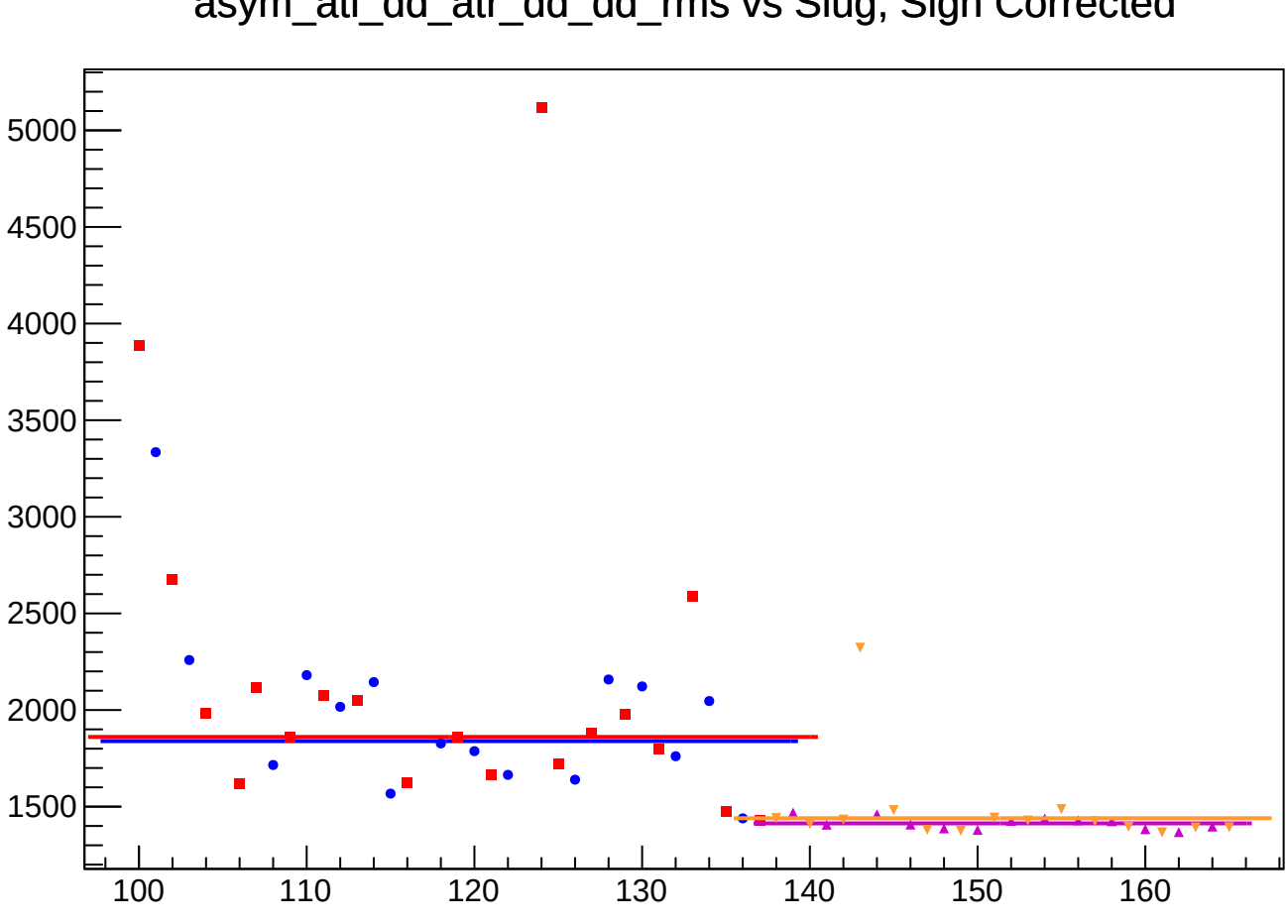
Left: -602.085+/-299.749 χ^2/NDF: 32.4/27

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 157.800+/-364.289 χ^2/NDF:32.5/28

Out: -930.299+/-360.762 χ^2/NDF:28.9/33

All: -391.542+/-256.335 χ^2/NDF: 65.8/62



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.014+/-0.298 χ^2/NDF:256201.7/14

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

Left: 1426.875+/-0.212 χ^2/NDF: 269869.5/27

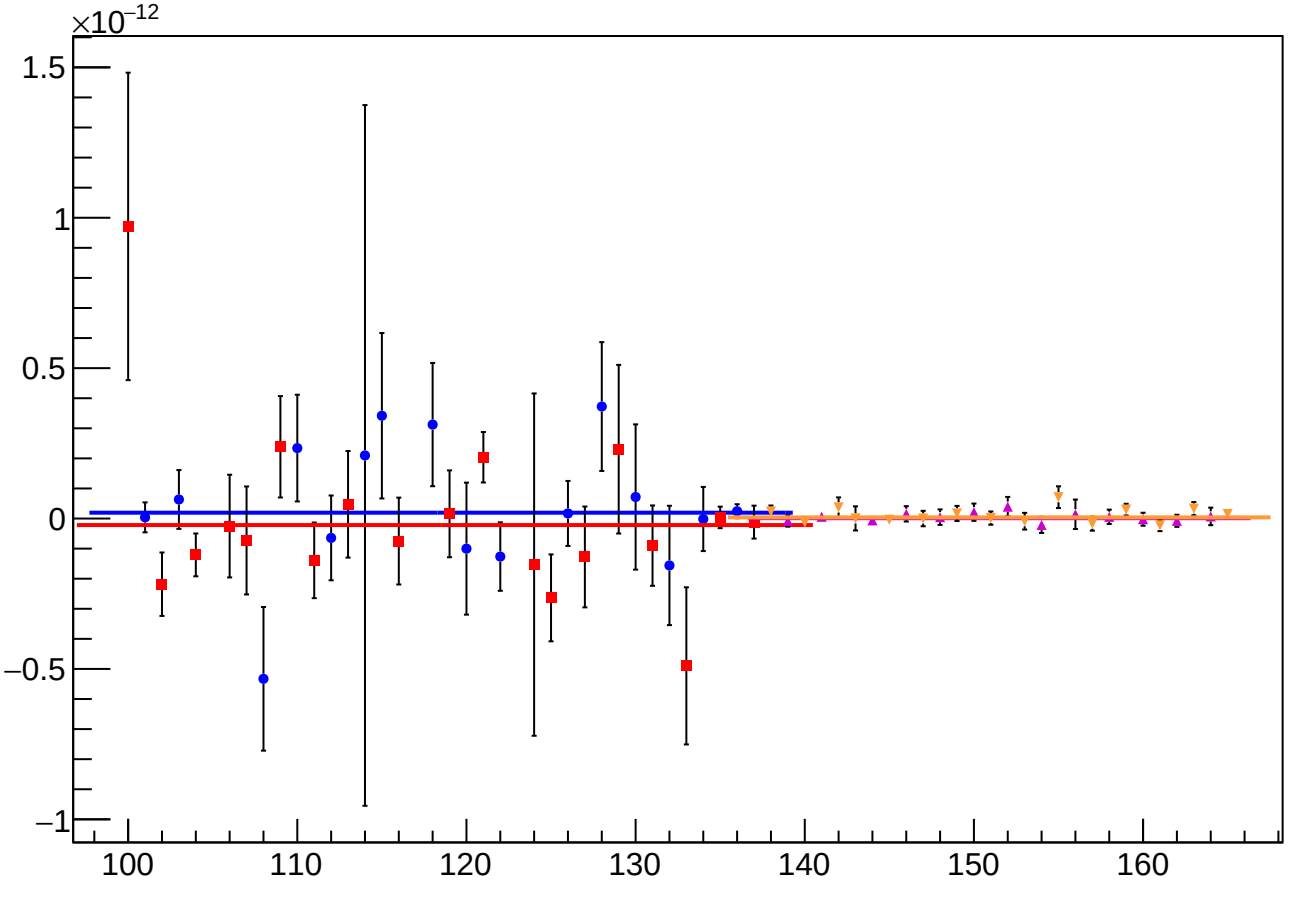
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1529.010+/-0.258 χ^2/NDF:1106887.6/28

Out: 1551.857+/-0.255 χ^2/NDF:1309216.1/33

All: 1540.545+/-0.181 χ^2/NDF: 2420075.2/62

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/12

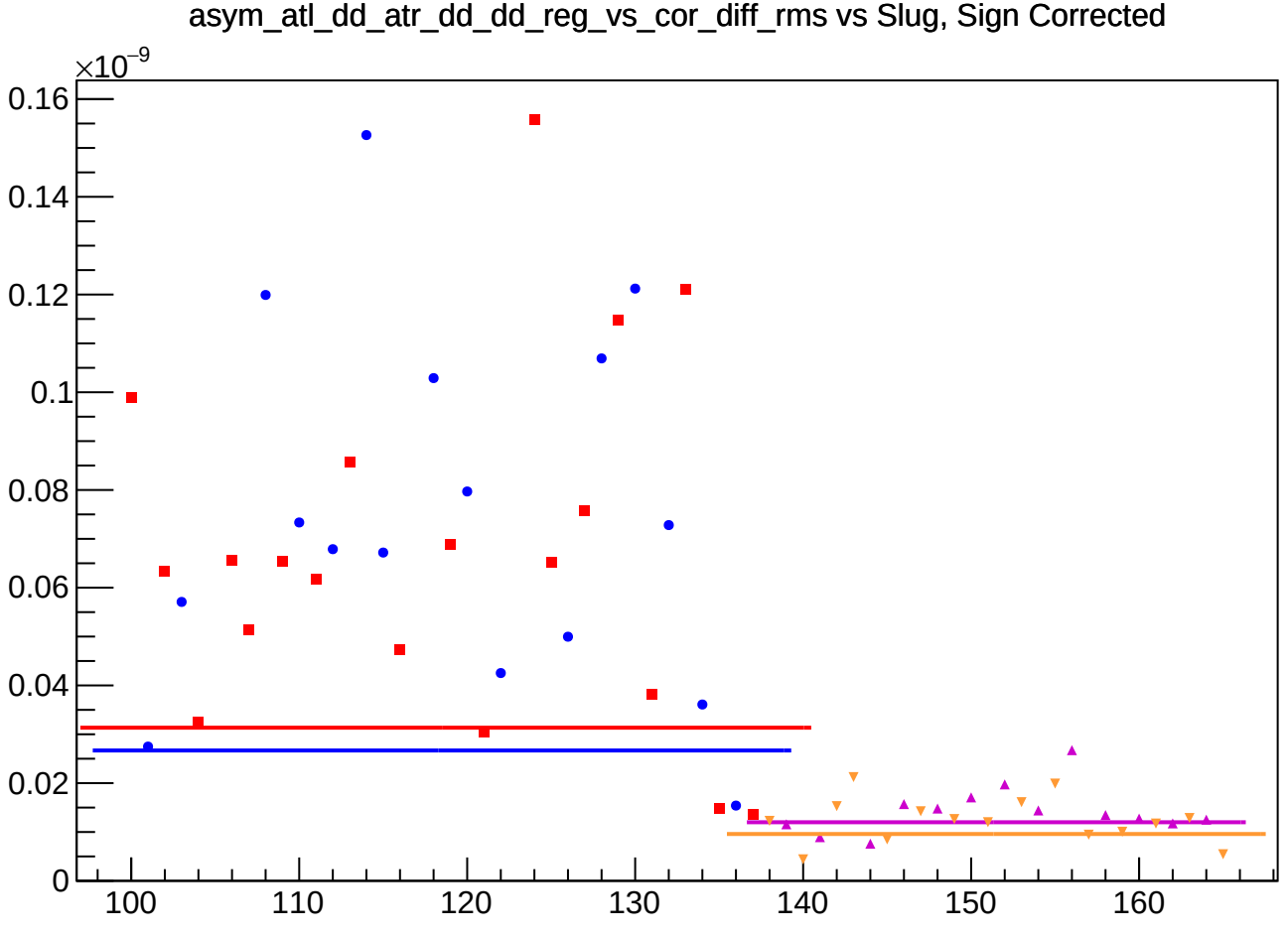
Left: 0.000+/-0.000 χ^2/NDF: 19.3/27

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/28

Out: 0.000+/-0.000 χ^2/NDF:44.7/33

All: 0.000+/-0.000 χ^2/NDF: 66.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336137.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:741129.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2257848.1/27

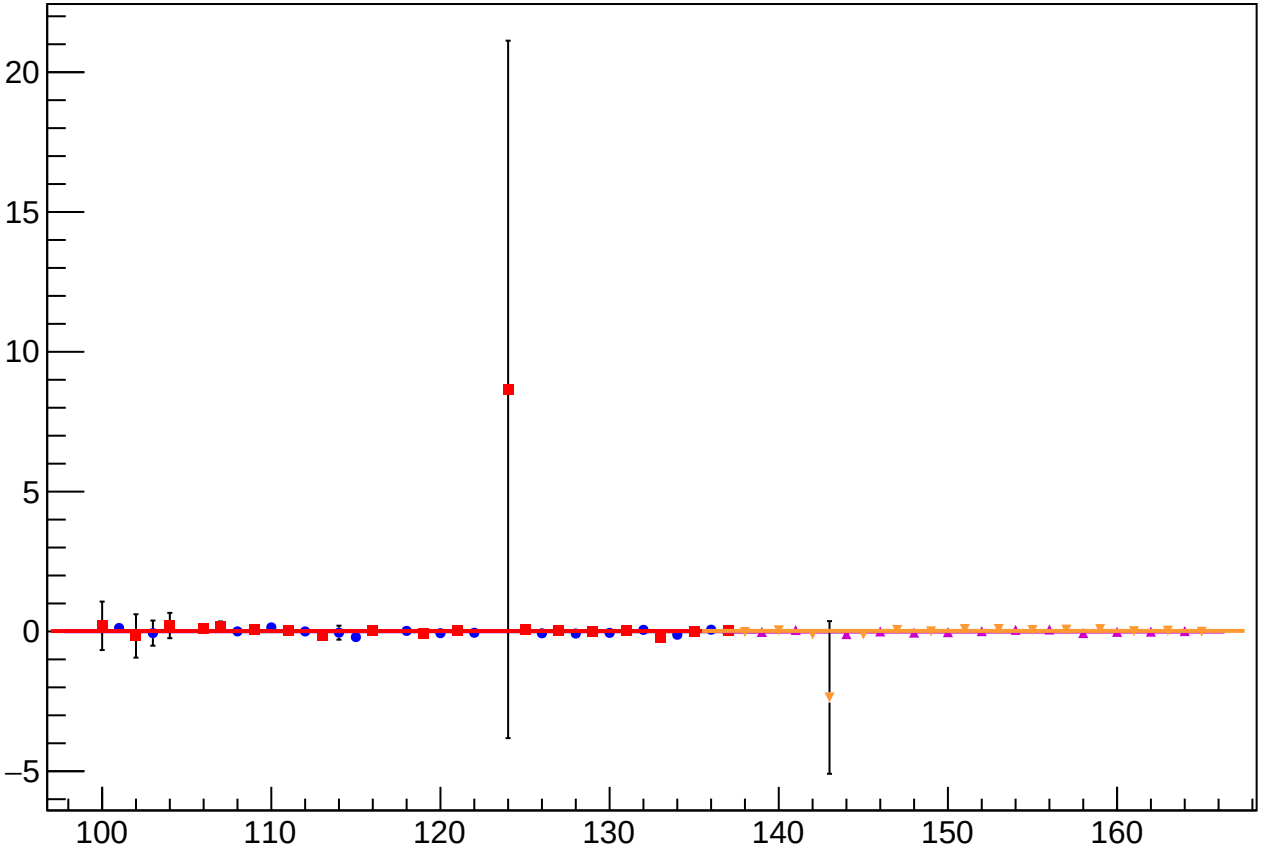
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4425422.1/28

Out: 0.000+/-0.000 χ^2/NDF:5418552.5/33

All: 0.000+/-0.000 χ^2/NDF: 10089763.6/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

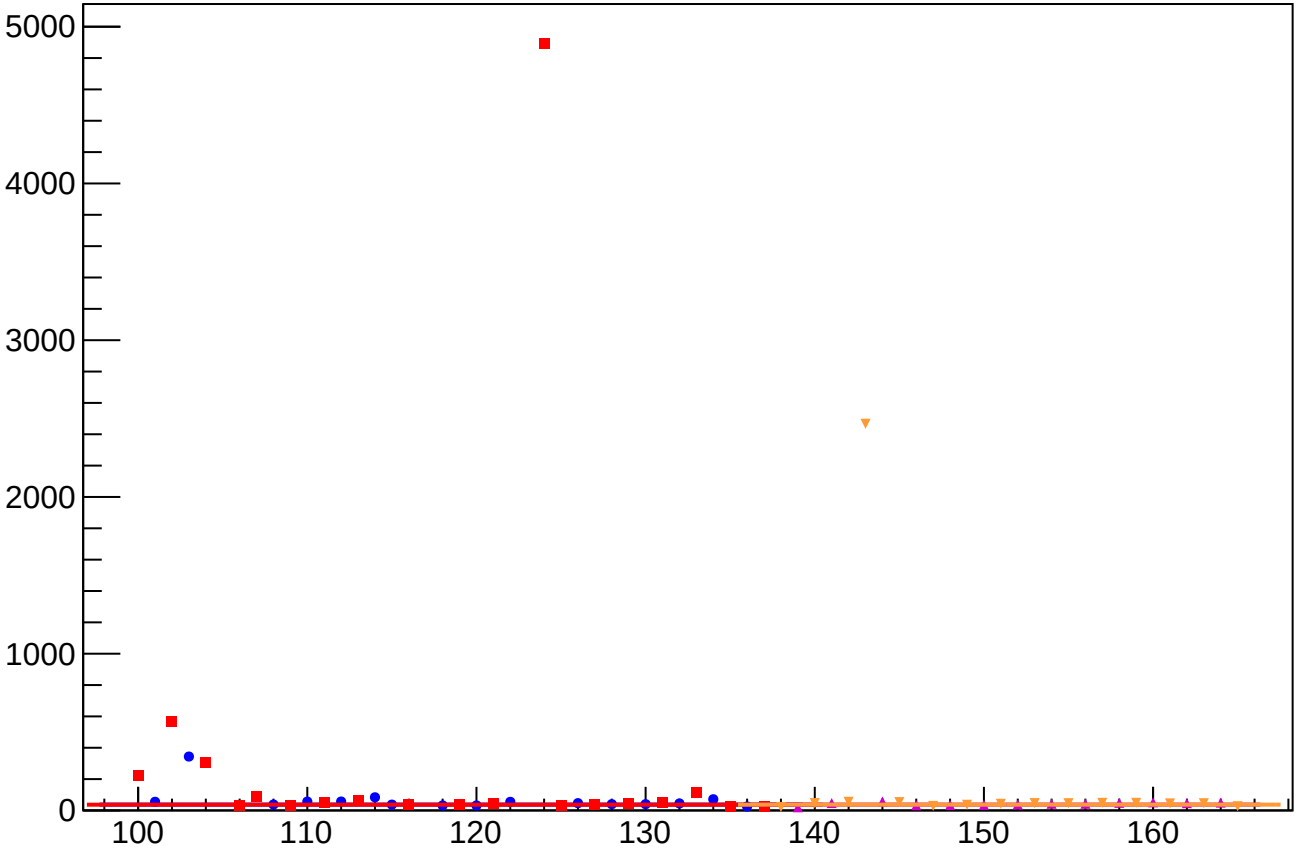
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

Left: 37.264+/-0.006 χ^2/NDF: 4598756.9/27

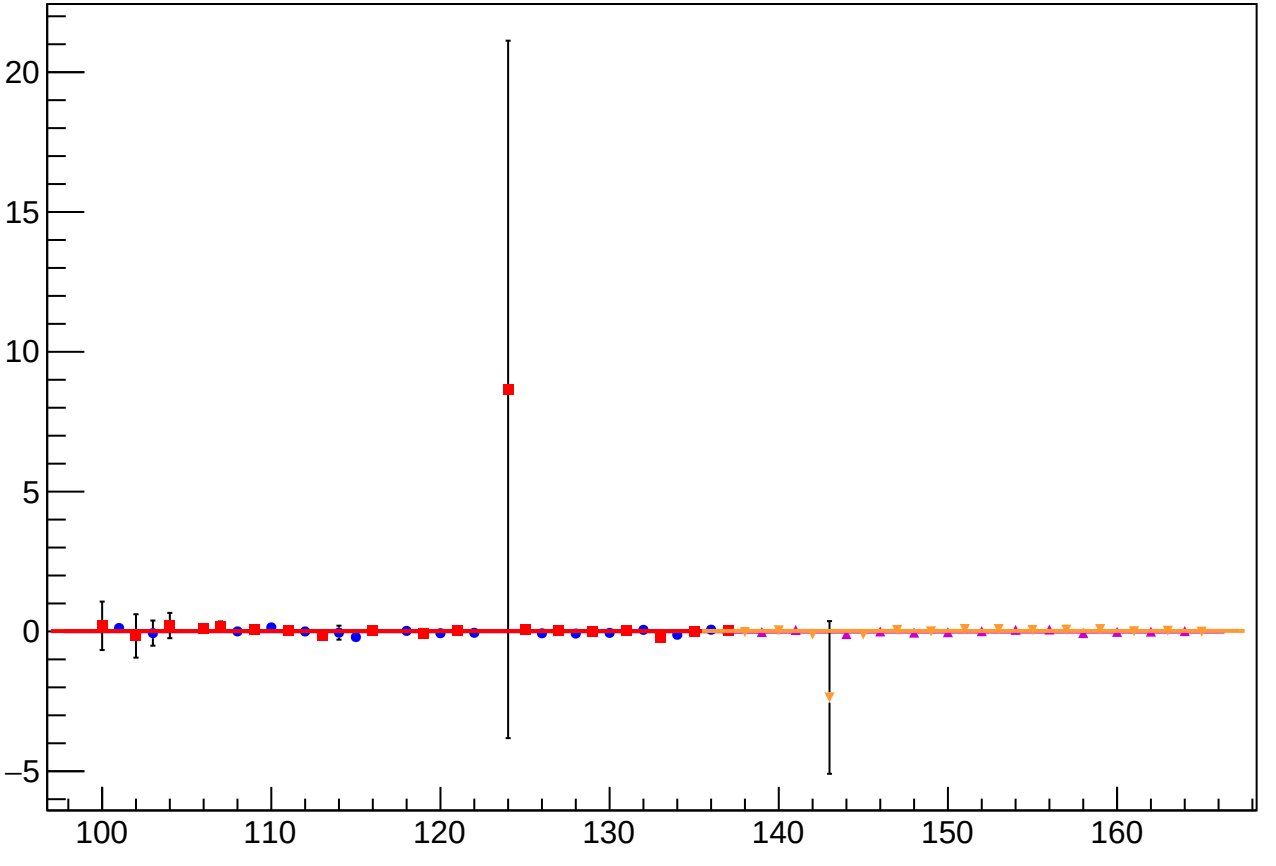
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

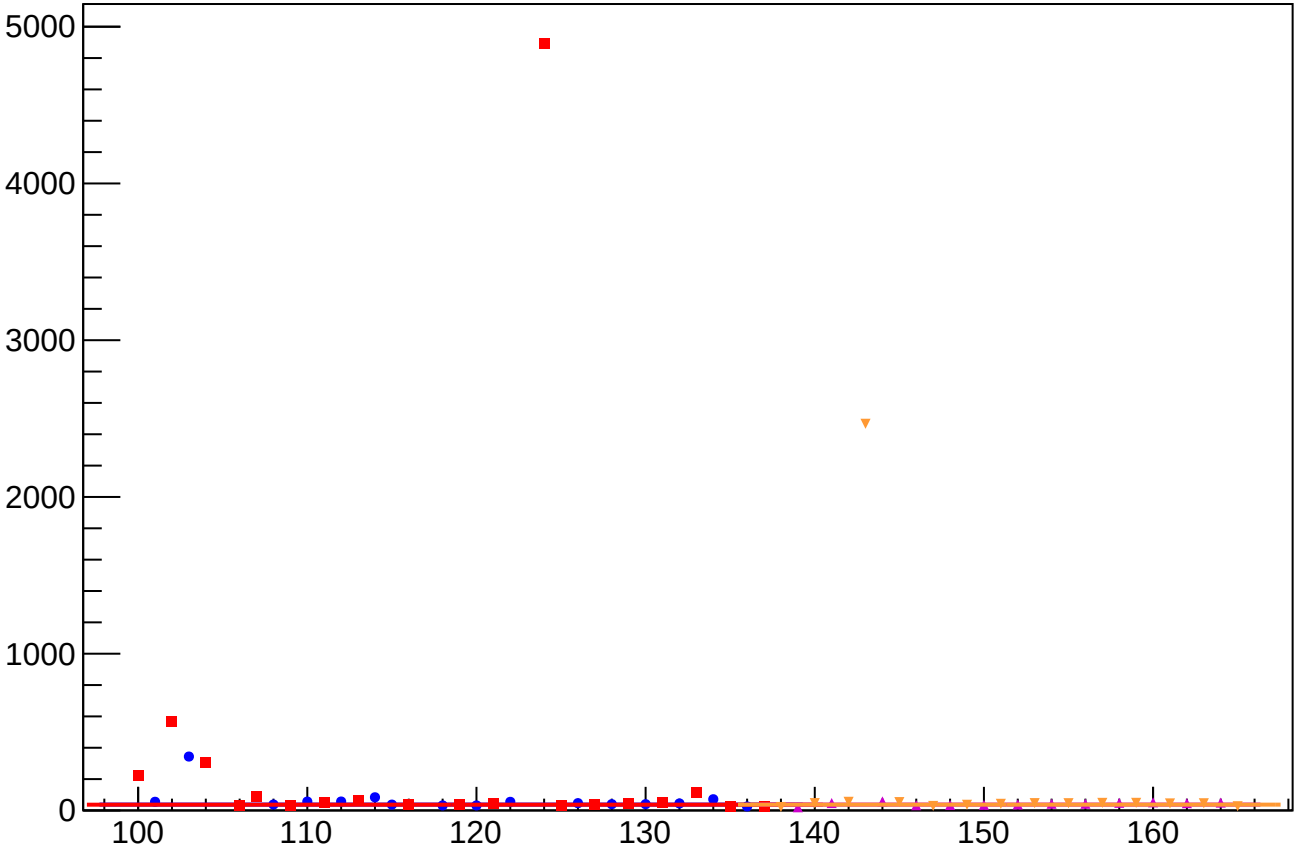
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

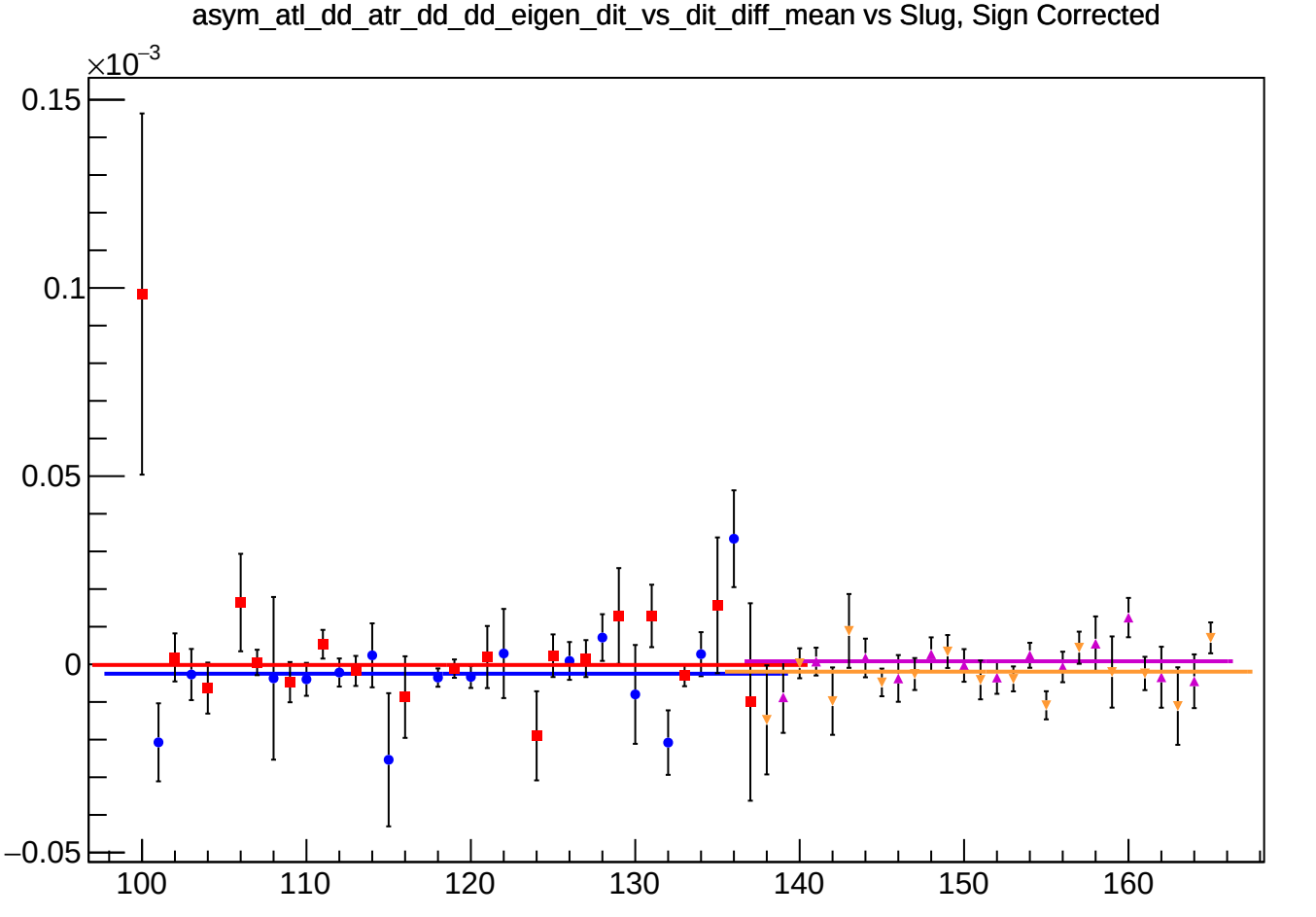
Left: 37.264+/-0.006 χ^2/NDF: 4598756.9/27

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/12

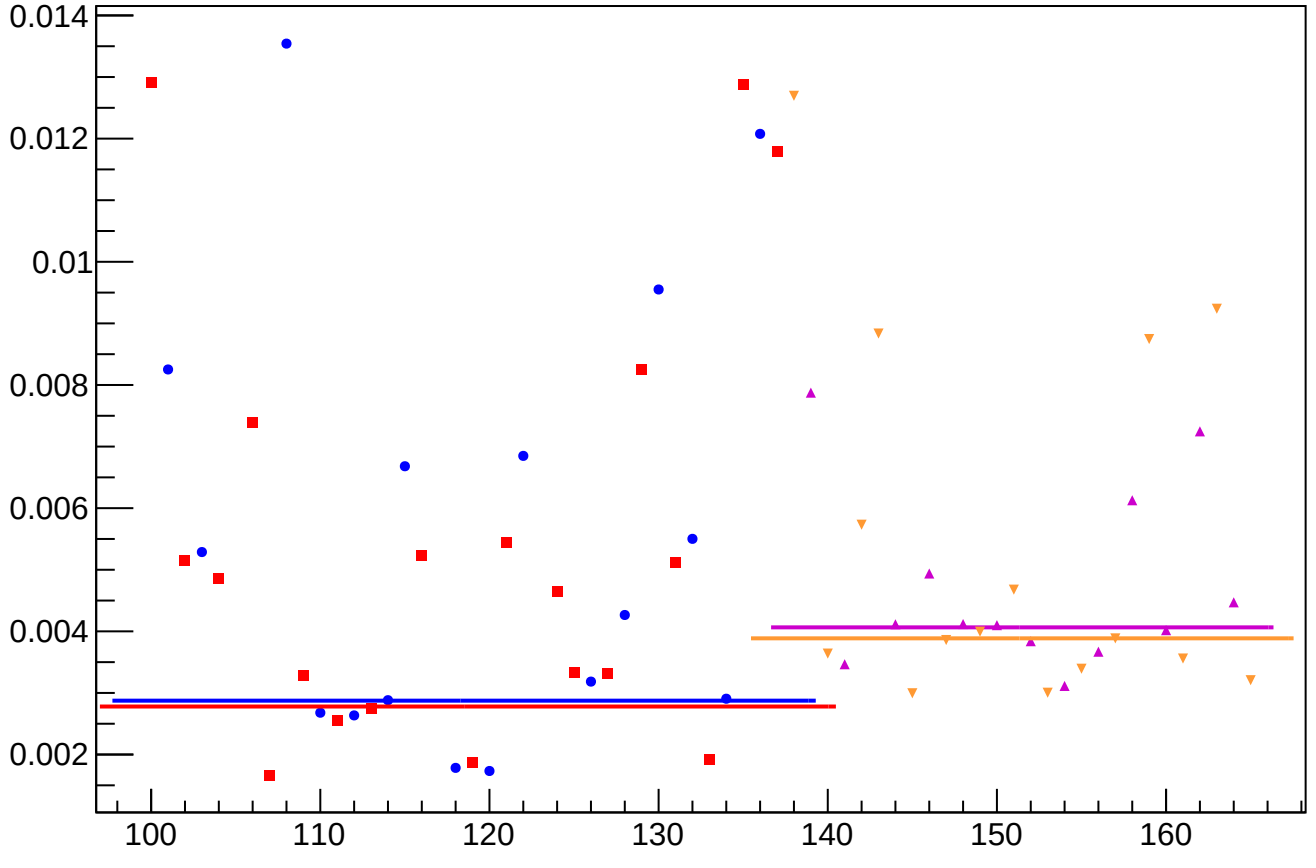
Left: -0.000+/-0.000 χ^2/NDF: 30.9/27

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/28

Out: -0.000+/-0.000 χ^2/NDF:39.2/33

All: -0.000+/-0.000 χ^2/NDF: 73.5/62



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2818229.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

Left: 0.004+/-0.000 χ^2/NDF: 3921230.8/27

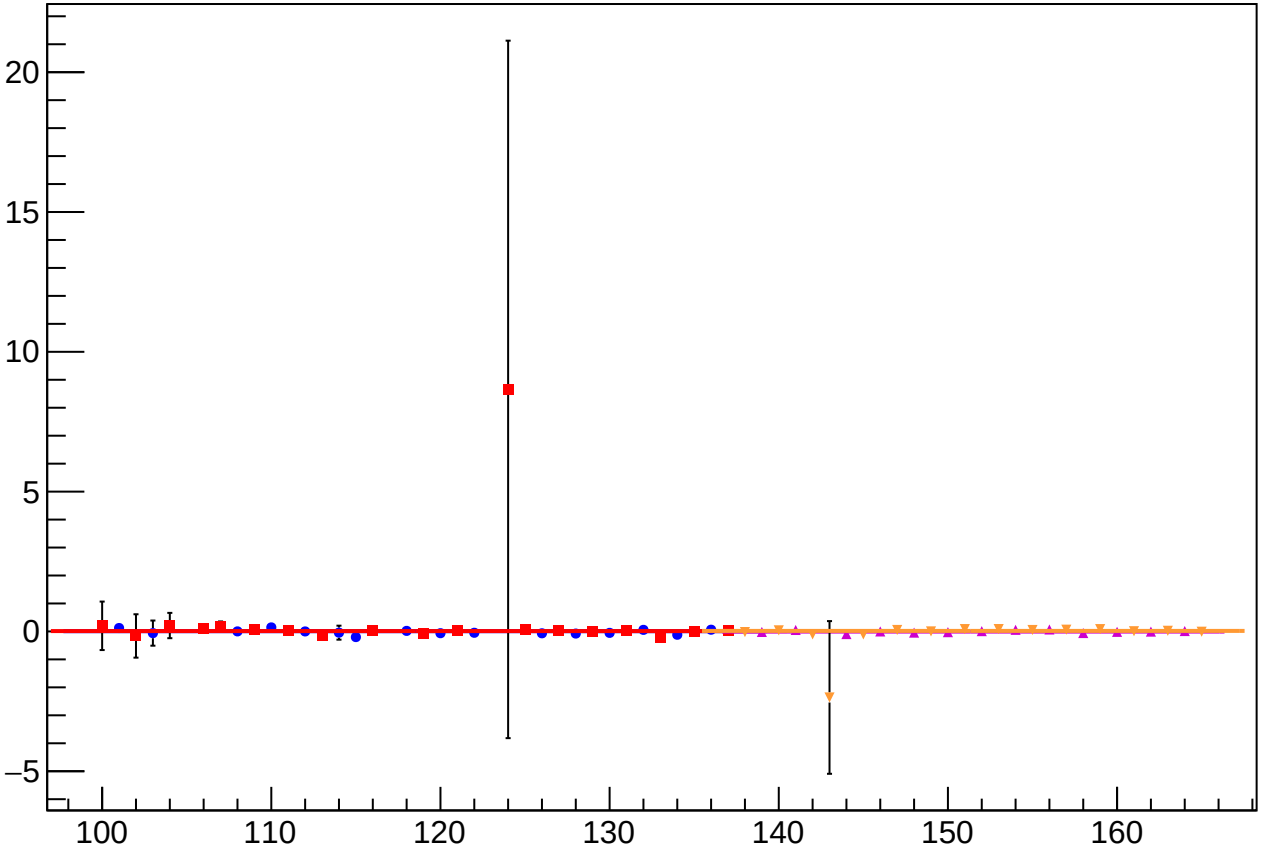
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6037958.7/28

Out: 0.003+/-0.000 χ^2/NDF:6976457.6/33

All: 0.003+/-0.000 χ^2/NDF: 13039568.6/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

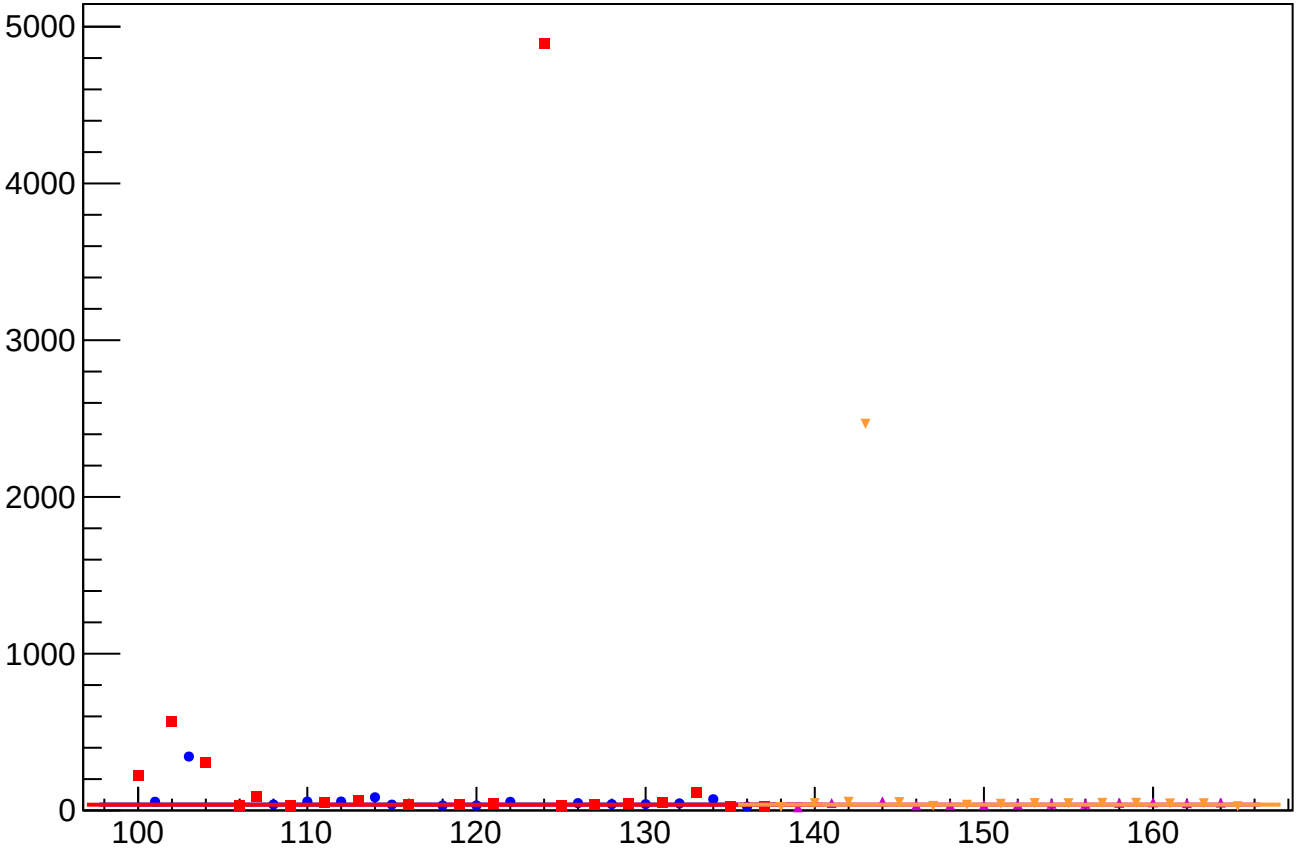
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

Left: 37.264+/-0.006 χ^2/NDF: 4597975.9/27

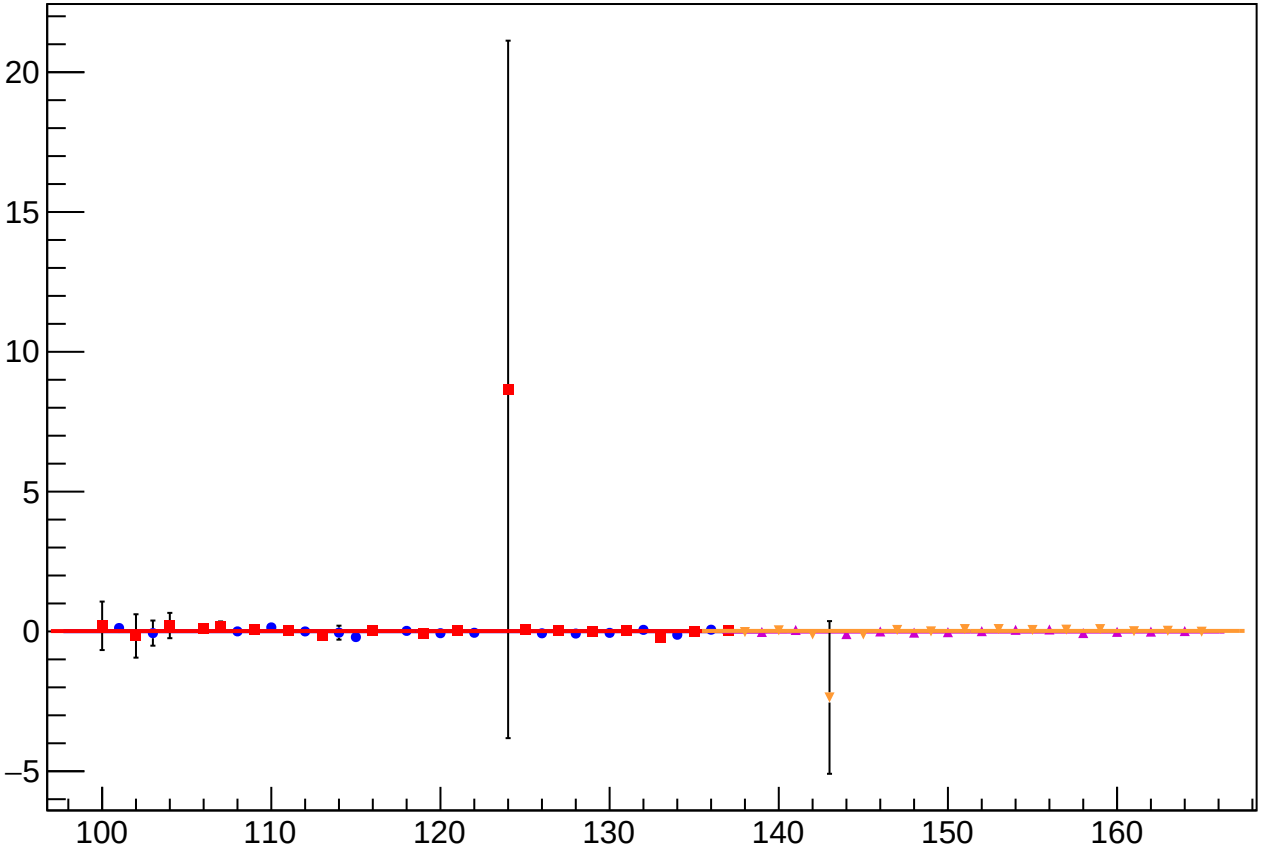
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

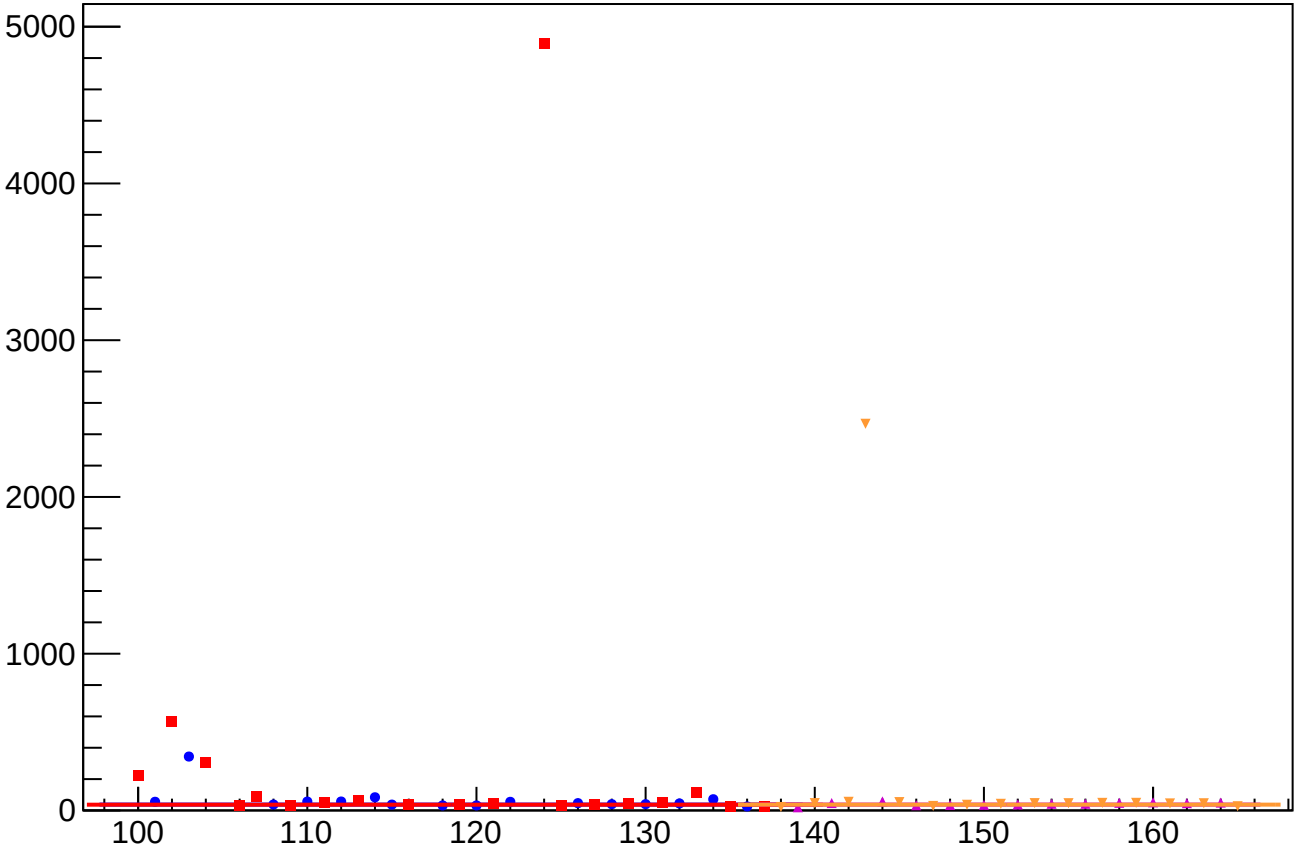
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

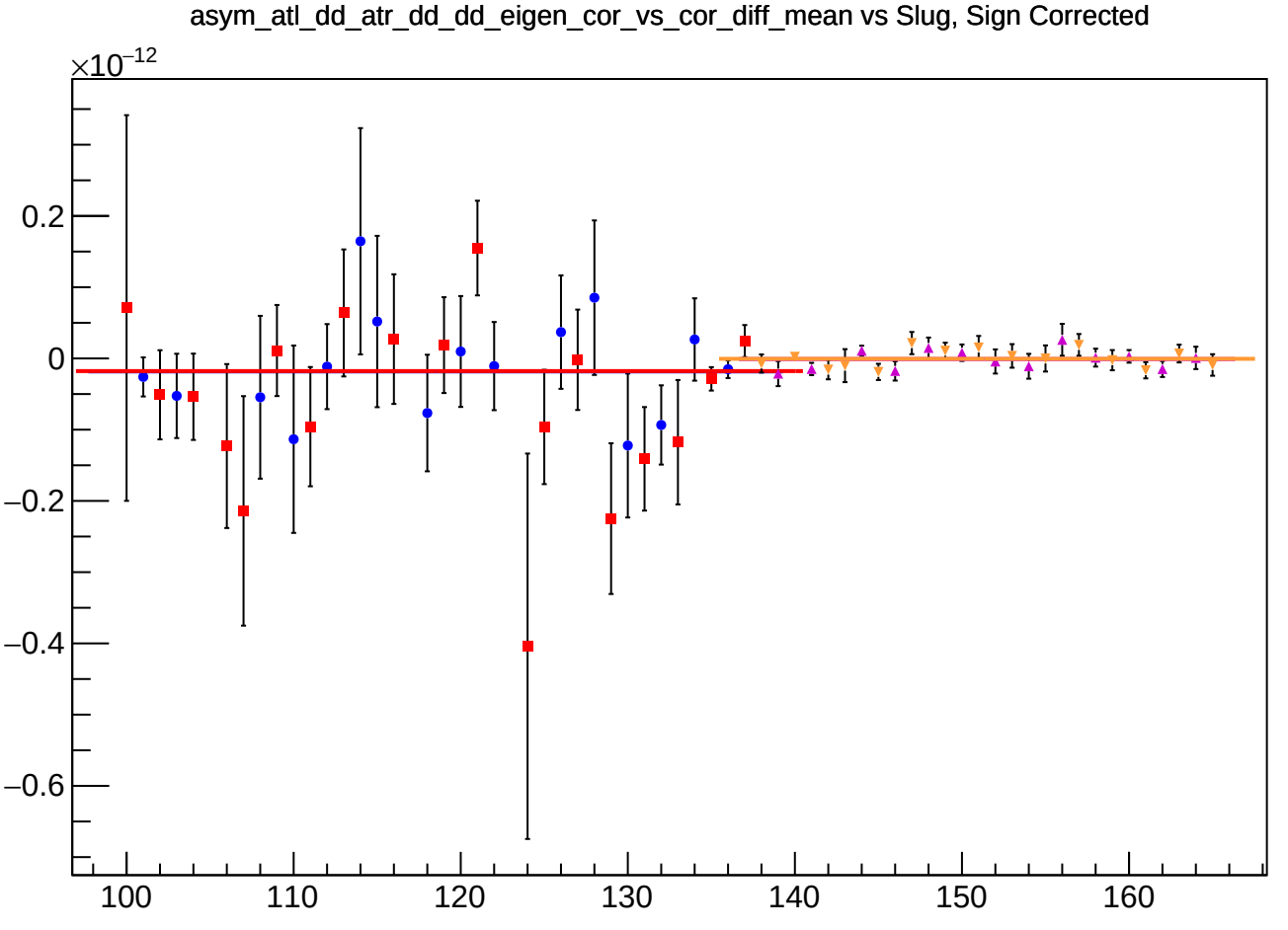
Left: 37.264+/-0.006 χ^2/NDF: 4597975.9/27

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

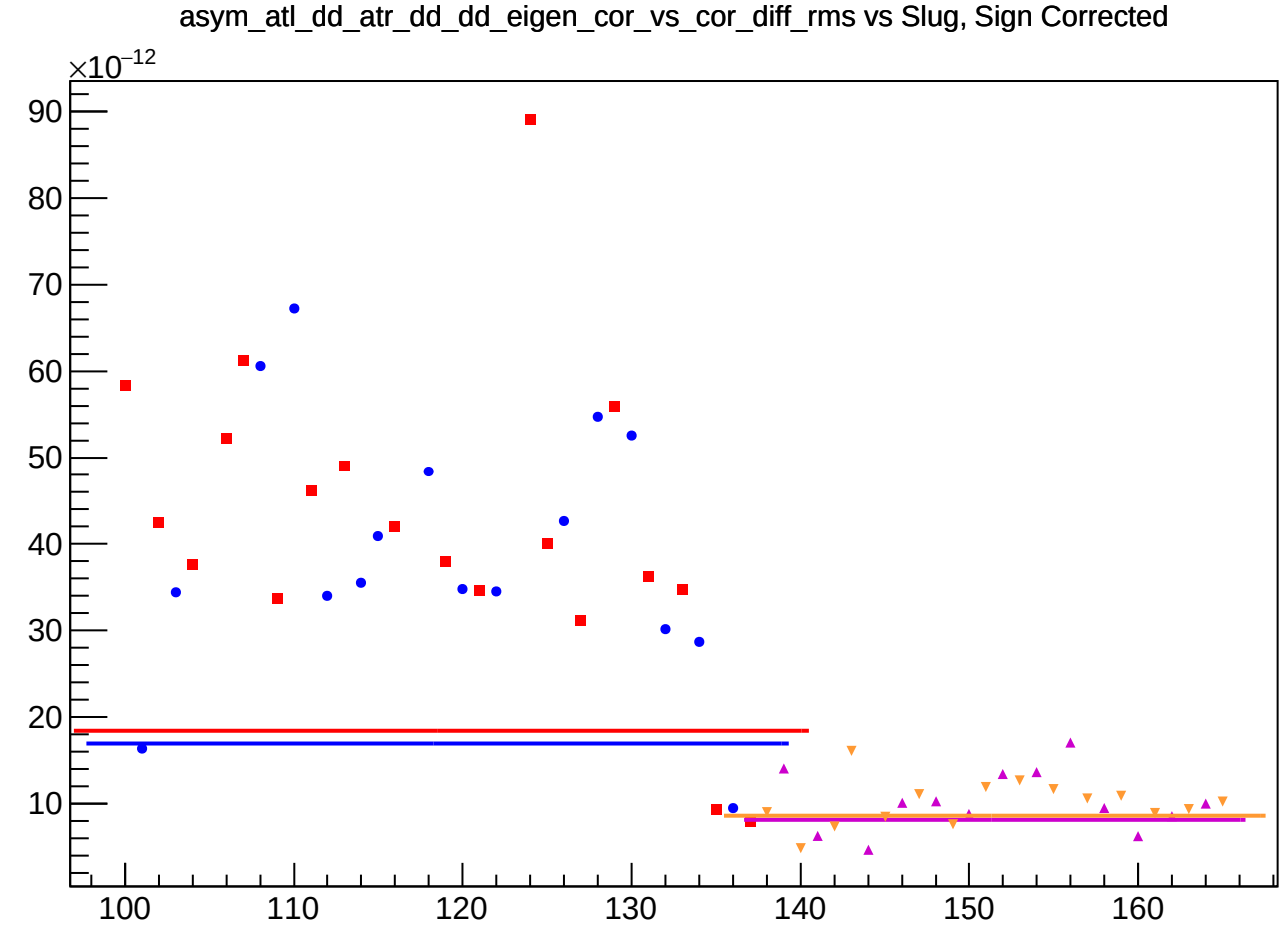
Left: -0.000+/-0.000 χ^2/NDF: 26.4/27

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:42.3/33

All: -0.000+/-0.000 χ^2/NDF: 67.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290217.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

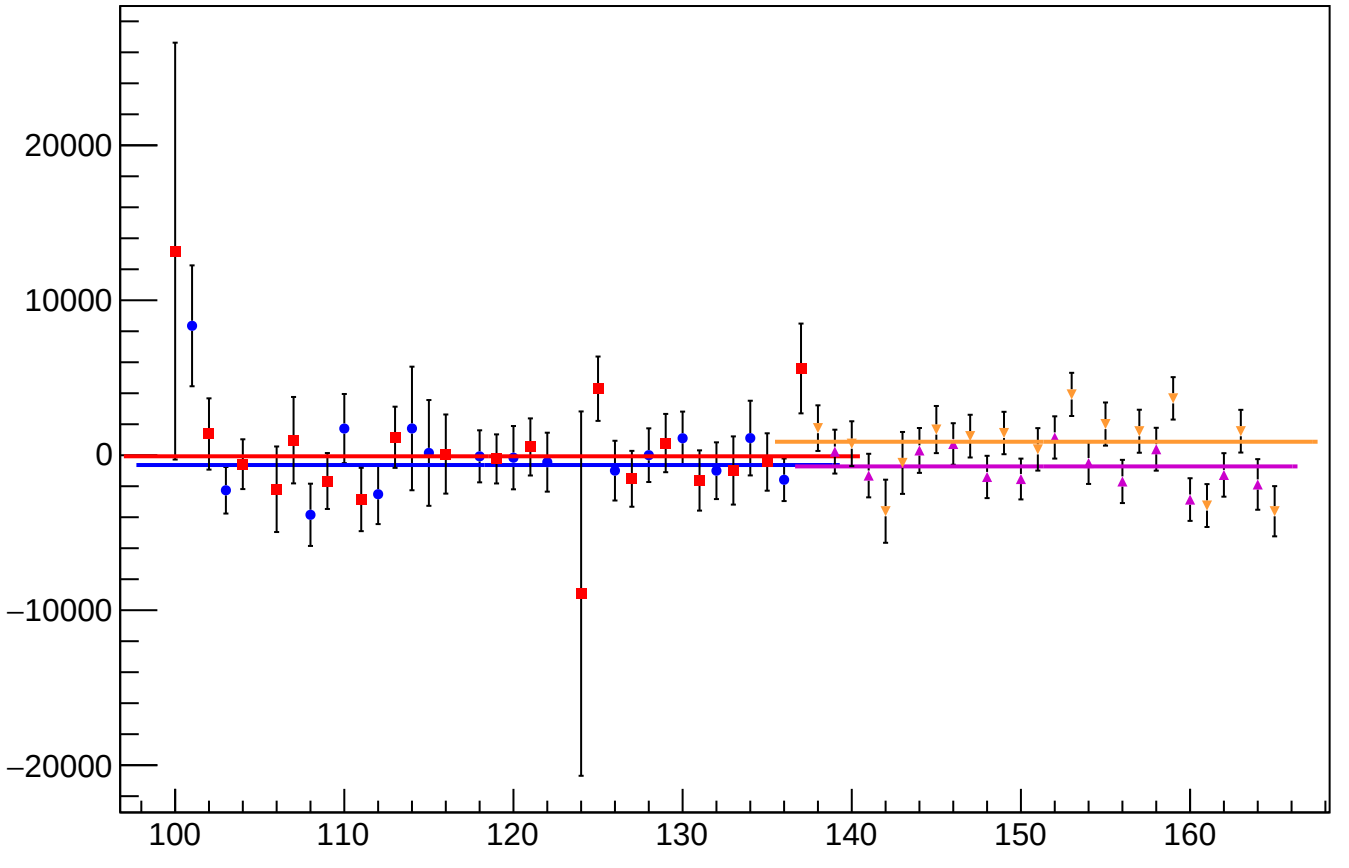
Left: 0.000+/-0.000 χ^2/NDF: 3062311.6/27

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6382475.3/28

Out: 0.000+/-0.000 χ^2/NDF:6411150.9/33

All: 0.000+/-0.000 χ^2/NDF: 12810876.2/62



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -720.669+/-386.715 χ^2/NDF:9.0/12

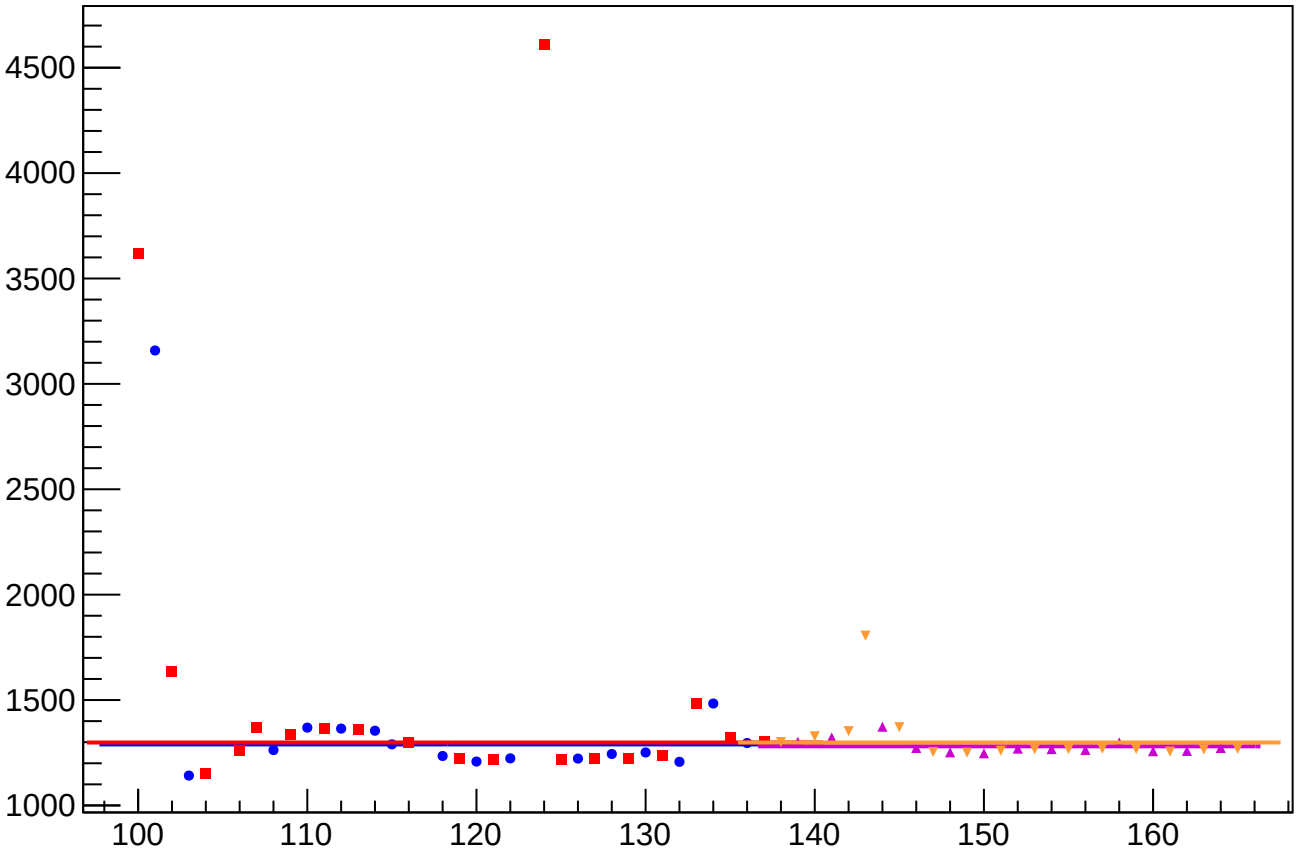
Left: 91.726+/-270.596 χ^2/NDF: 50.7/27

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -686.154+/-303.246 χ^2/NDF:23.0/28

Out: 517.950+/-299.160 χ^2/NDF:51.1/33

All: -75.936+/-212.968 χ^2/NDF: 82.1/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

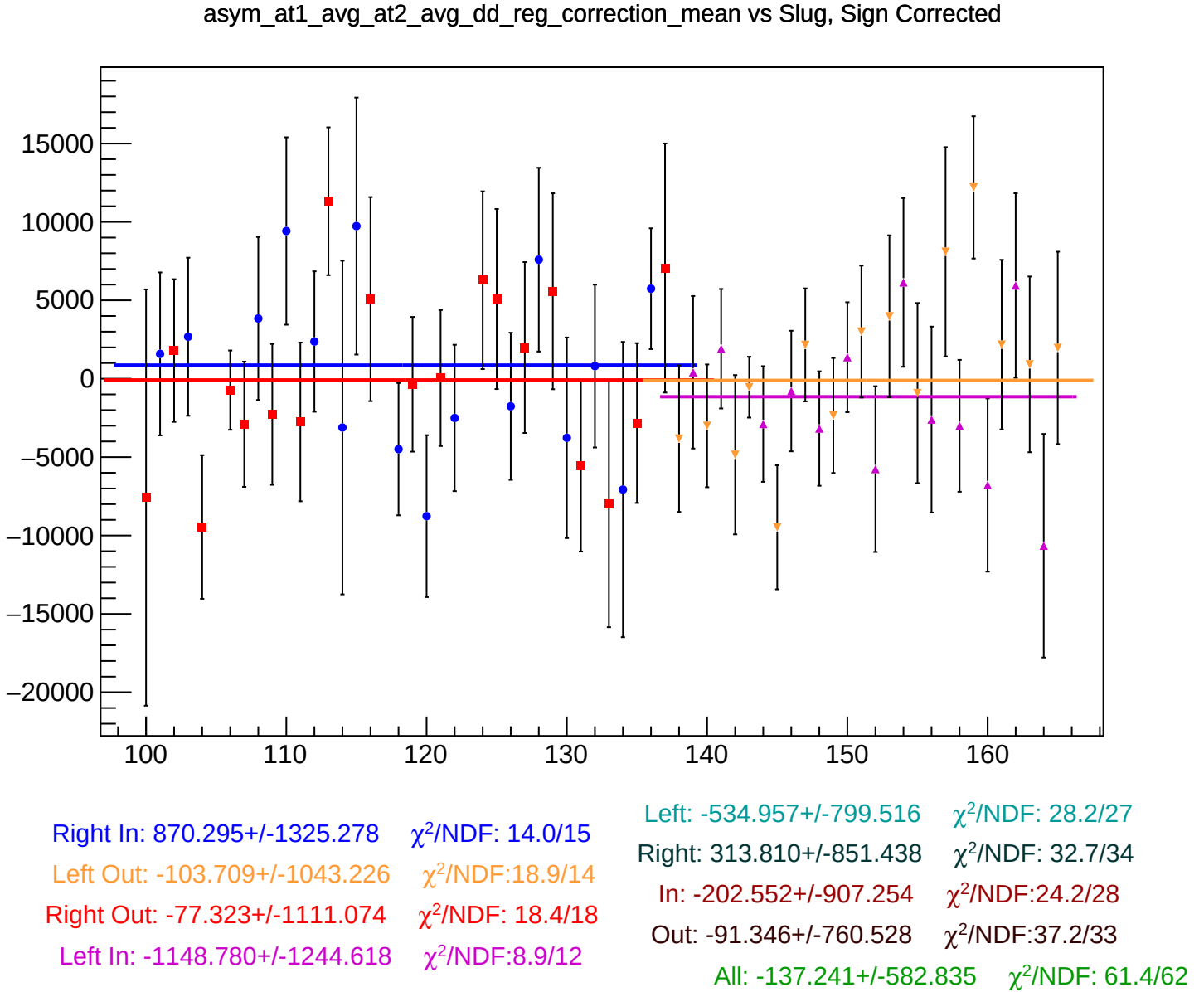
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

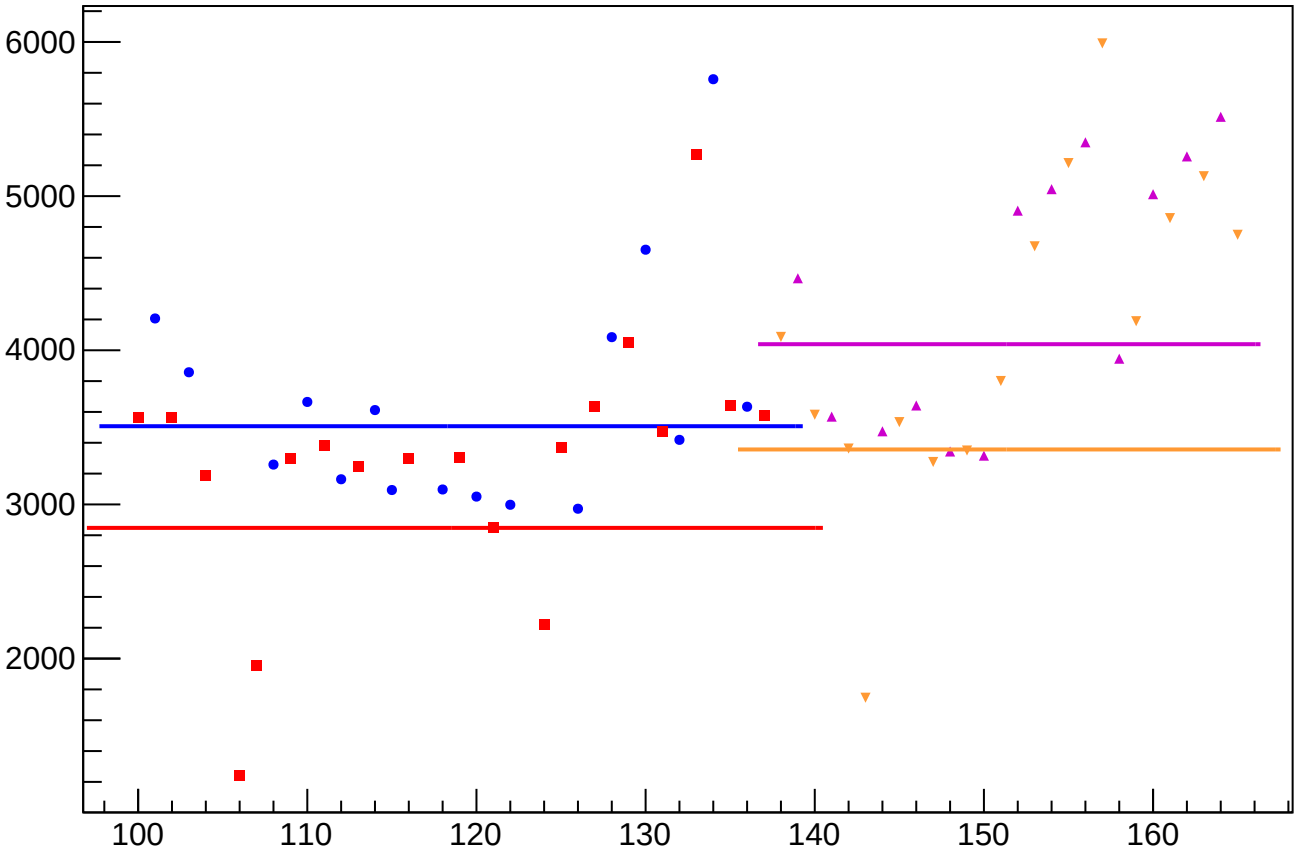
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

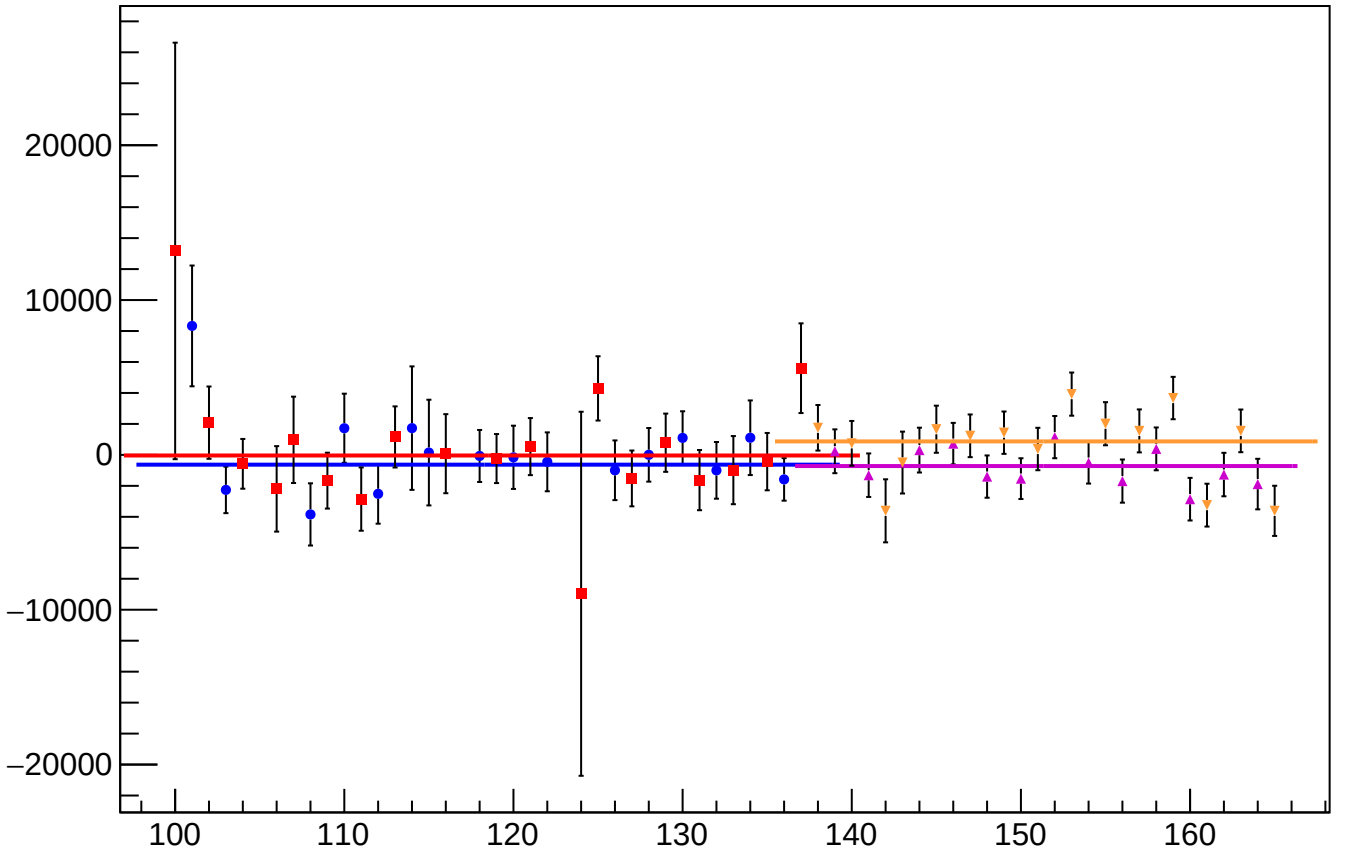
In: 1283.931+/-0.214 χ^2/NDF:529906.3/28

Out: 1298.606+/-0.211 χ^2/NDF:468746.5/33

All: 1291.375+/-0.151 χ^2/NDF: 1001028.9/62


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1148.780+/-1244.618 χ²/NDF:8.9/12
Left: -534.957+/-799.516 χ²/NDF: 28.2/27
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -202.552+/-907.254 χ²/NDF:24.2/28
Out: -91.346+/-760.528 χ²/NDF:37.2/33
All: -137.241+/-582.835 χ²/NDF: 61.4/62


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3356.570+/-0.738 χ²/NDF:2637283.8/14
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4039.434+/-0.880 χ²/NDF:727696.0/12
Left: 3638.354+/-0.565 χ²/NDF: 3718589.2/27
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3790.098+/-0.642 χ²/NDF:1252946.6/28
Out: 3118.208+/-0.538 χ²/NDF:4359502.7/33
All: 3395.496+/-0.412 χ²/NDF: 6256663.1/62



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

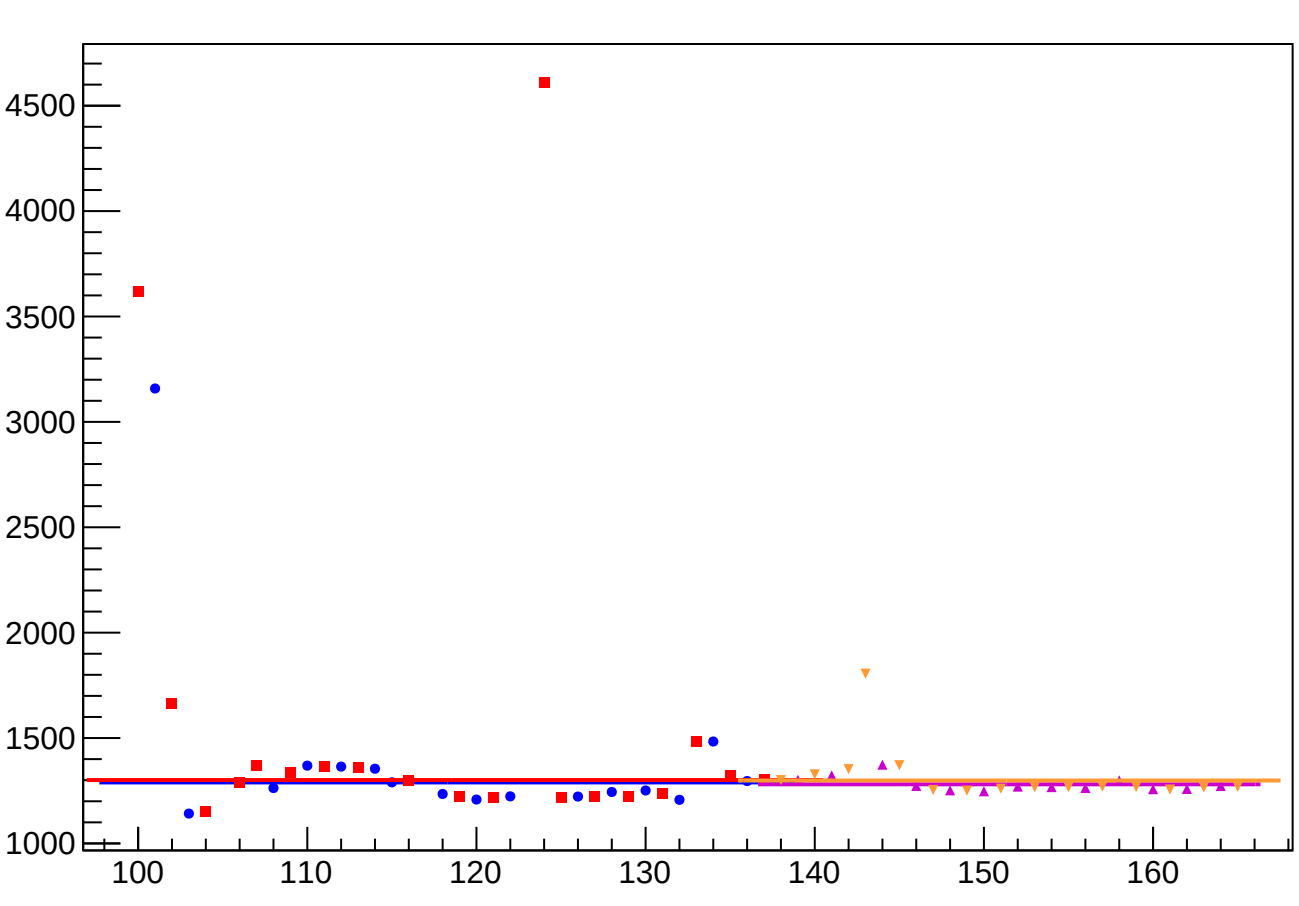
Left: 91.735+/-270.596 χ^2/NDF: 50.7/27

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -70.480+/-212.995 χ^2/NDF: 82.5/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

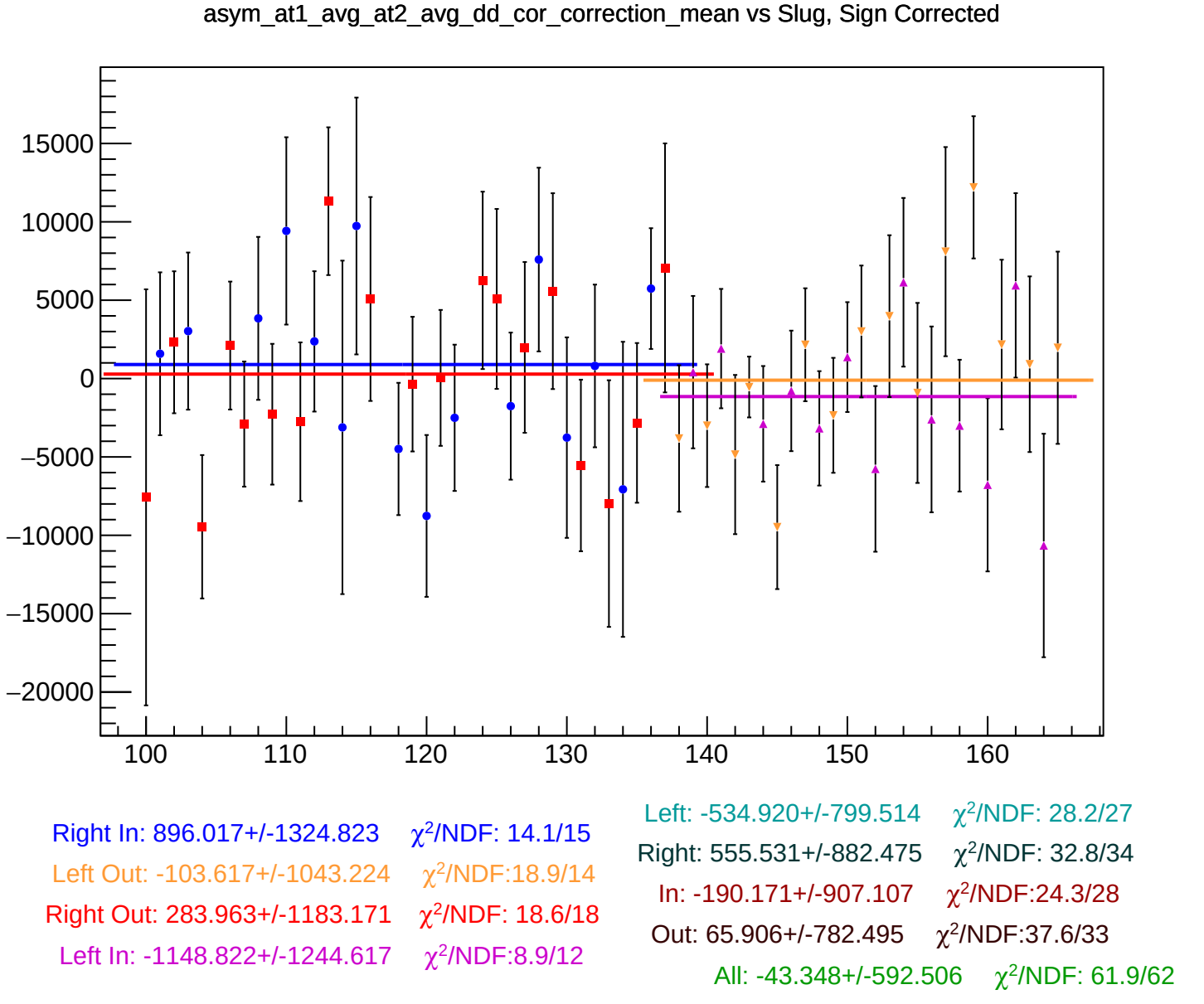
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

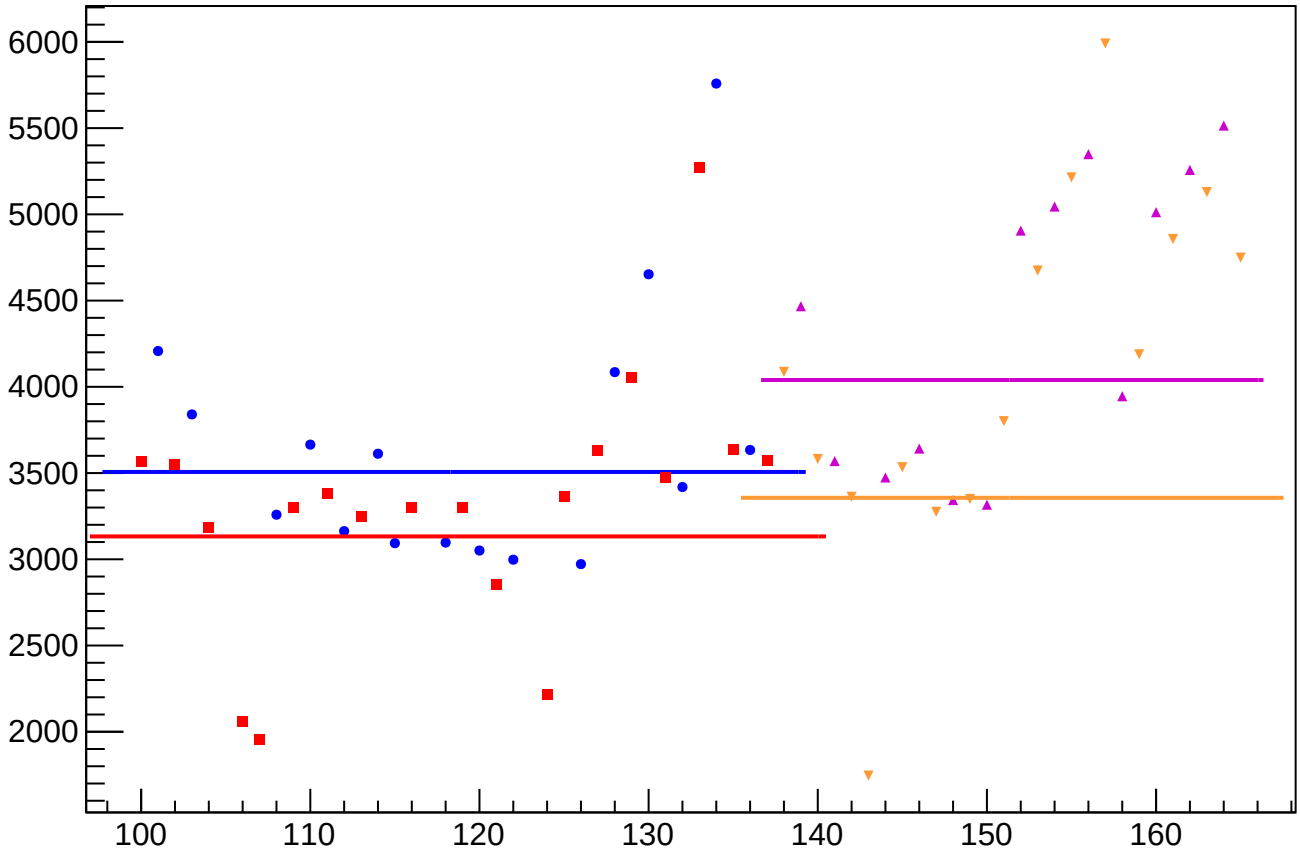
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

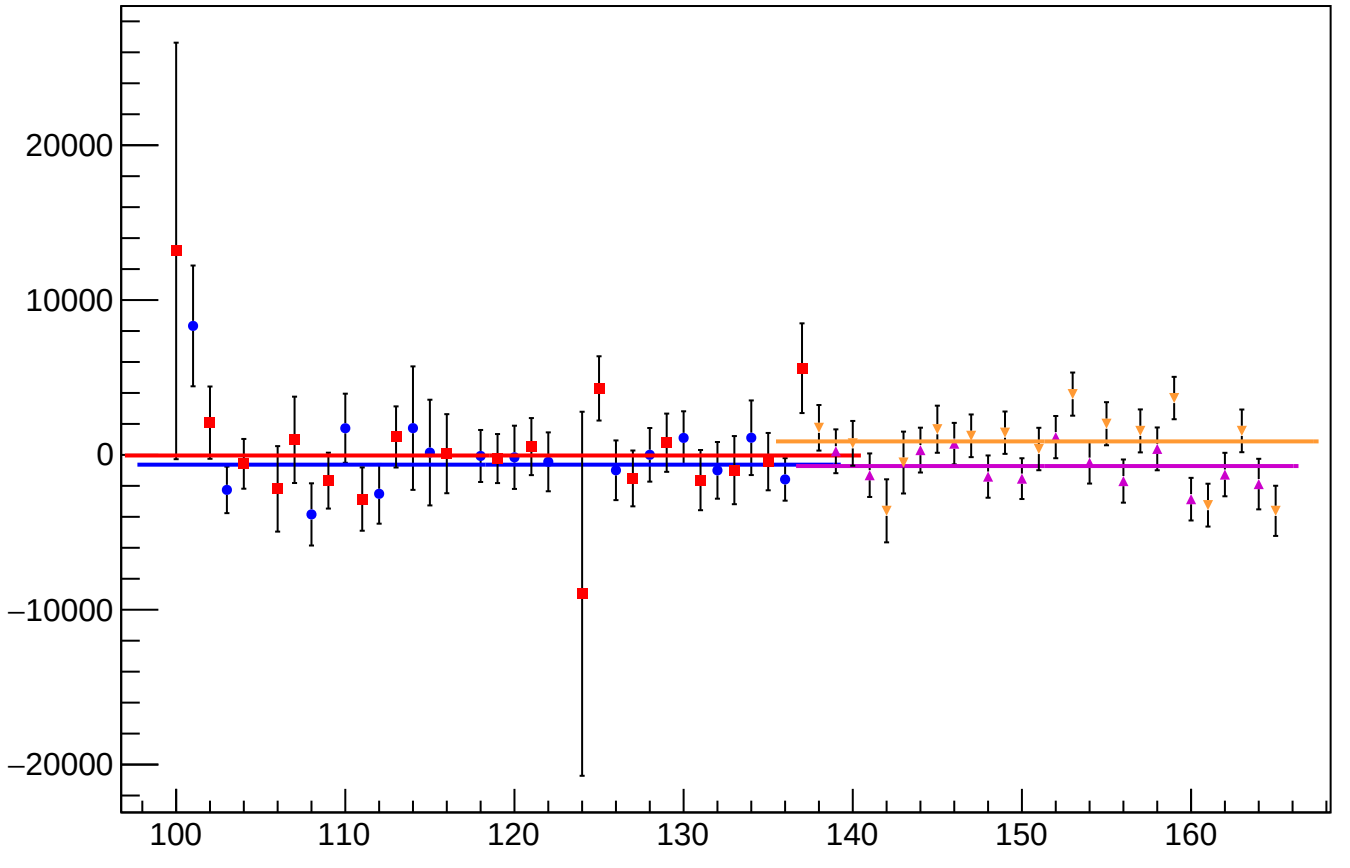
In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -534.920+/-799.514 χ²/NDF: 28.2/27
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -43.348+/-592.506 χ²/NDF: 61.9/62


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
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3356.559+/-0.738 χ²/NDF:2637306.3/14
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4039.430+/-0.880 χ²/NDF:727697.3/12
Left: 3638.345+/-0.565 χ²/NDF: 3718621.0/27
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3789.577+/-0.641 χ²/NDF:1252855.1/28
Out: 3258.596+/-0.553 χ²/NDF:3327238.6/33
All: 3485.137+/-0.419 χ²/NDF: 4973003.9/62



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

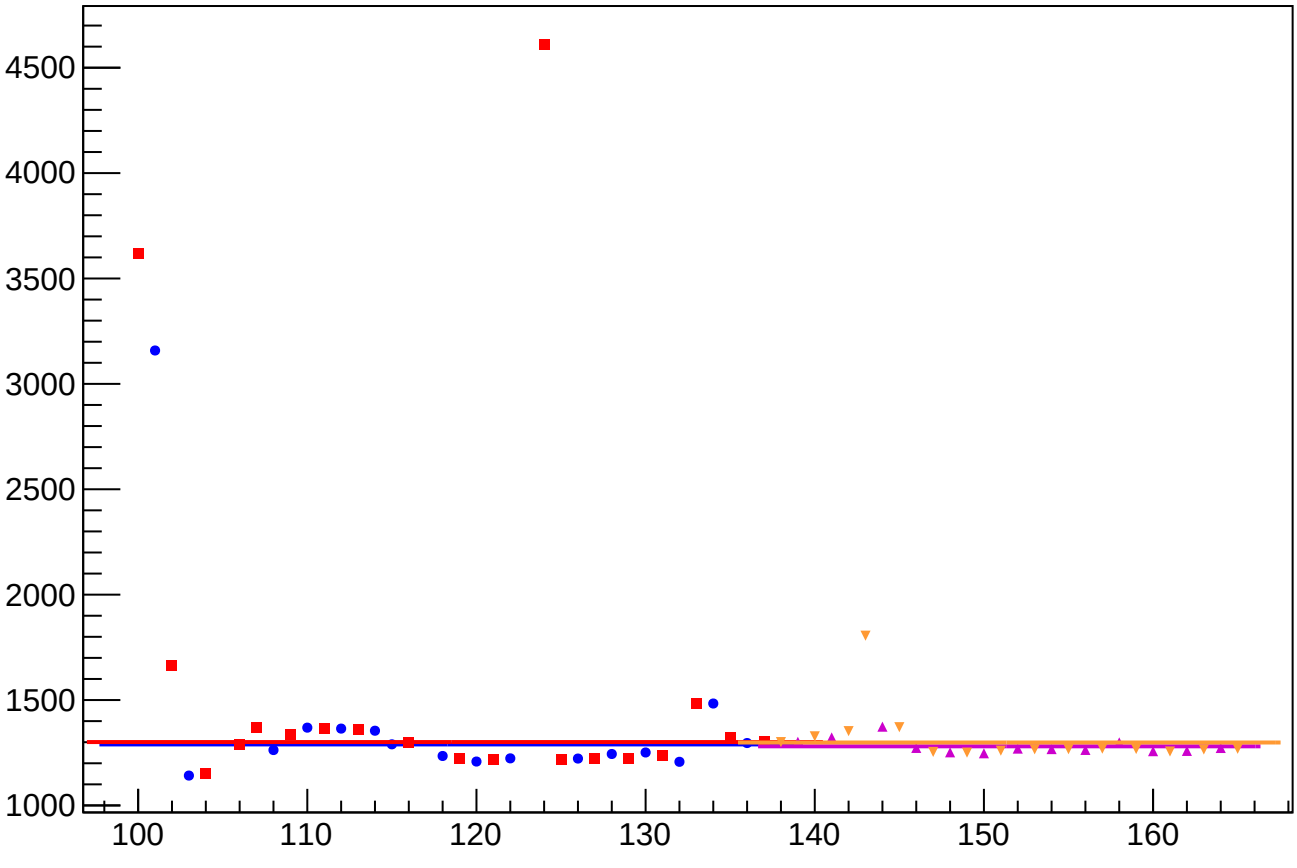
Left: 91.735+/-270.596 χ^2/NDF: 50.7/27

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -70.480+/-212.995 χ^2/NDF: 82.5/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

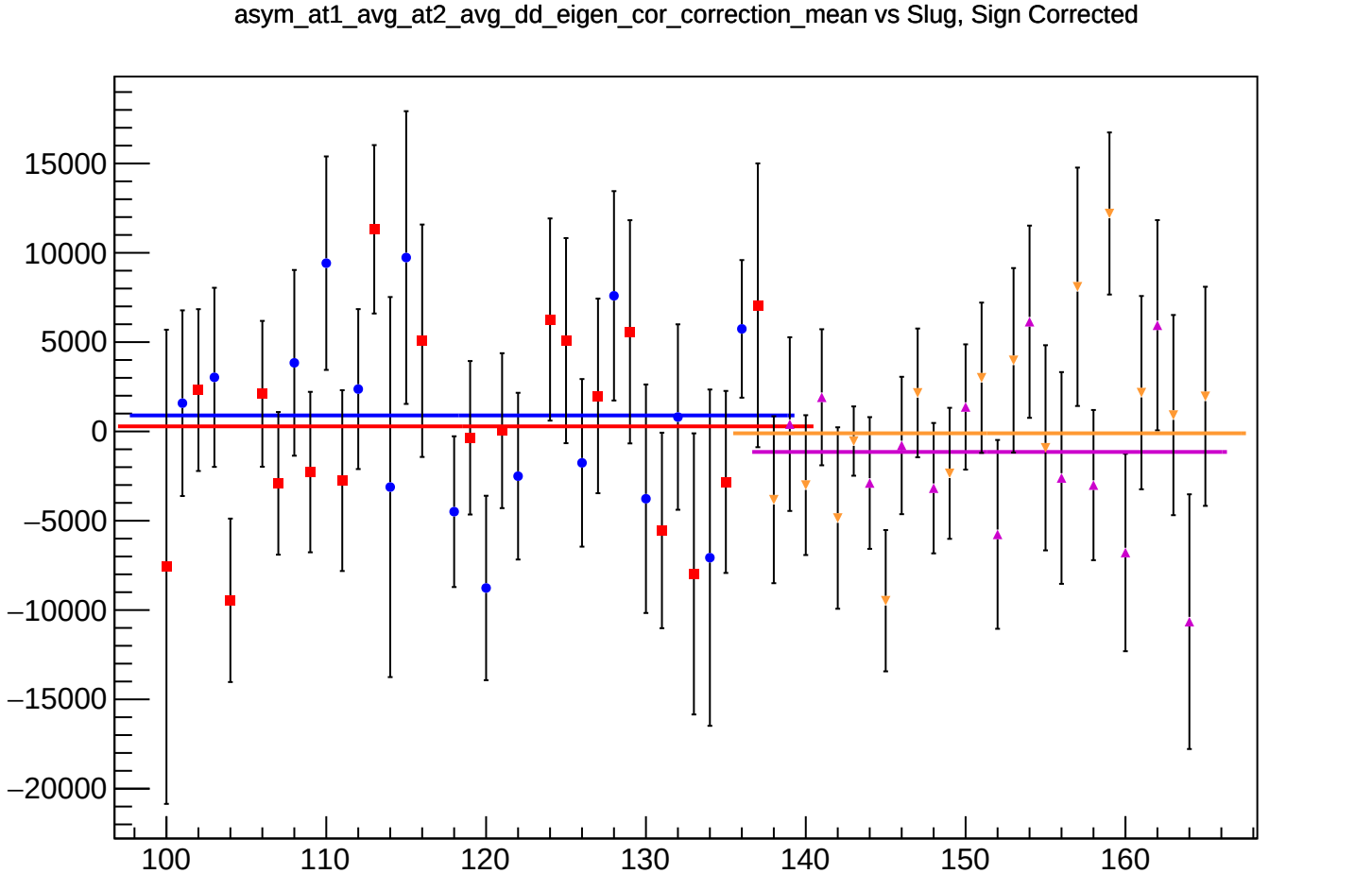
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -103.617+/-1043.224 χ^2/NDF:18.9/14

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1148.822+/-1244.617 χ^2/NDF:8.9/12

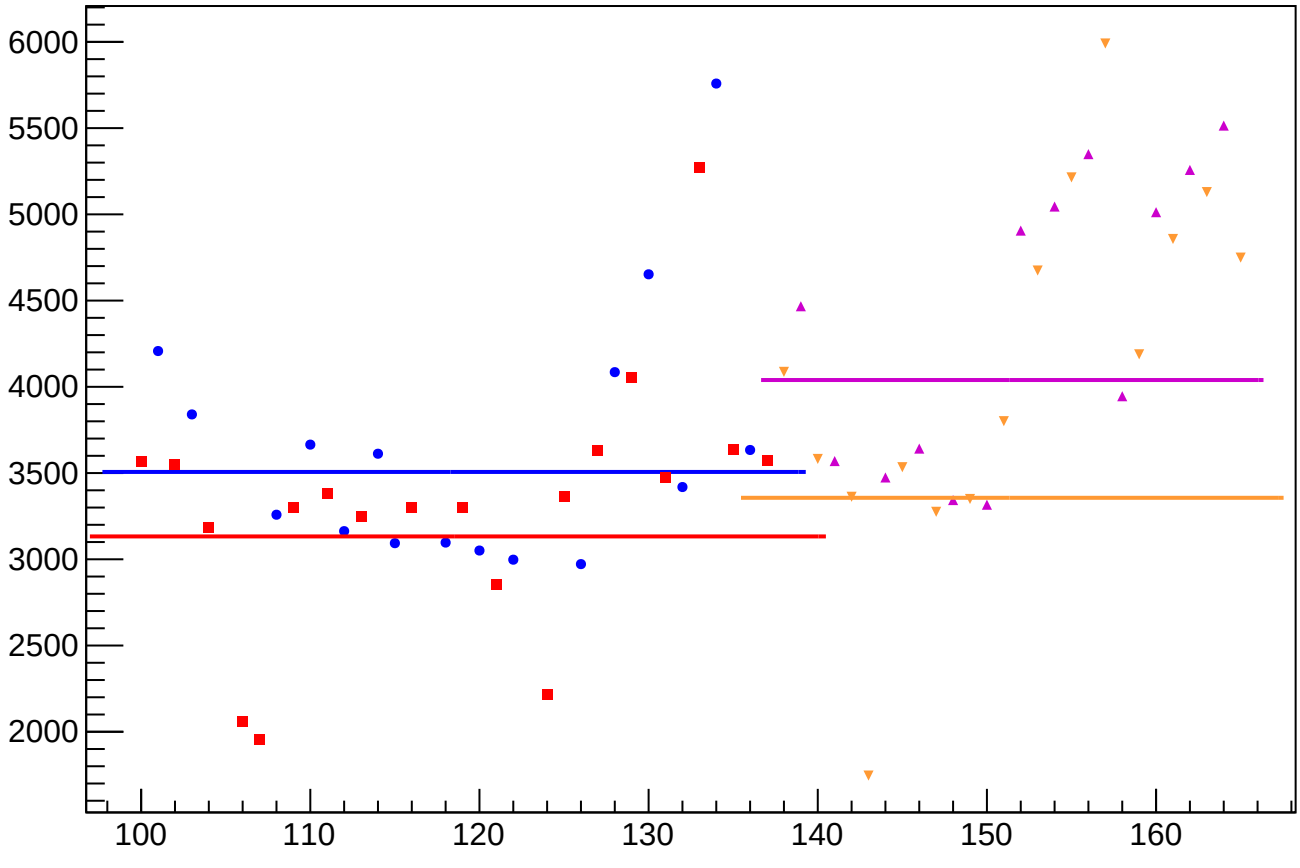
Left: -534.920+/-799.514 χ^2/NDF: 28.2/27

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -190.171+/-907.107 χ^2/NDF:24.3/28

Out: 65.906+/-782.495 χ^2/NDF:37.6/33

All: -43.348+/-592.506 χ^2/NDF: 61.9/62



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

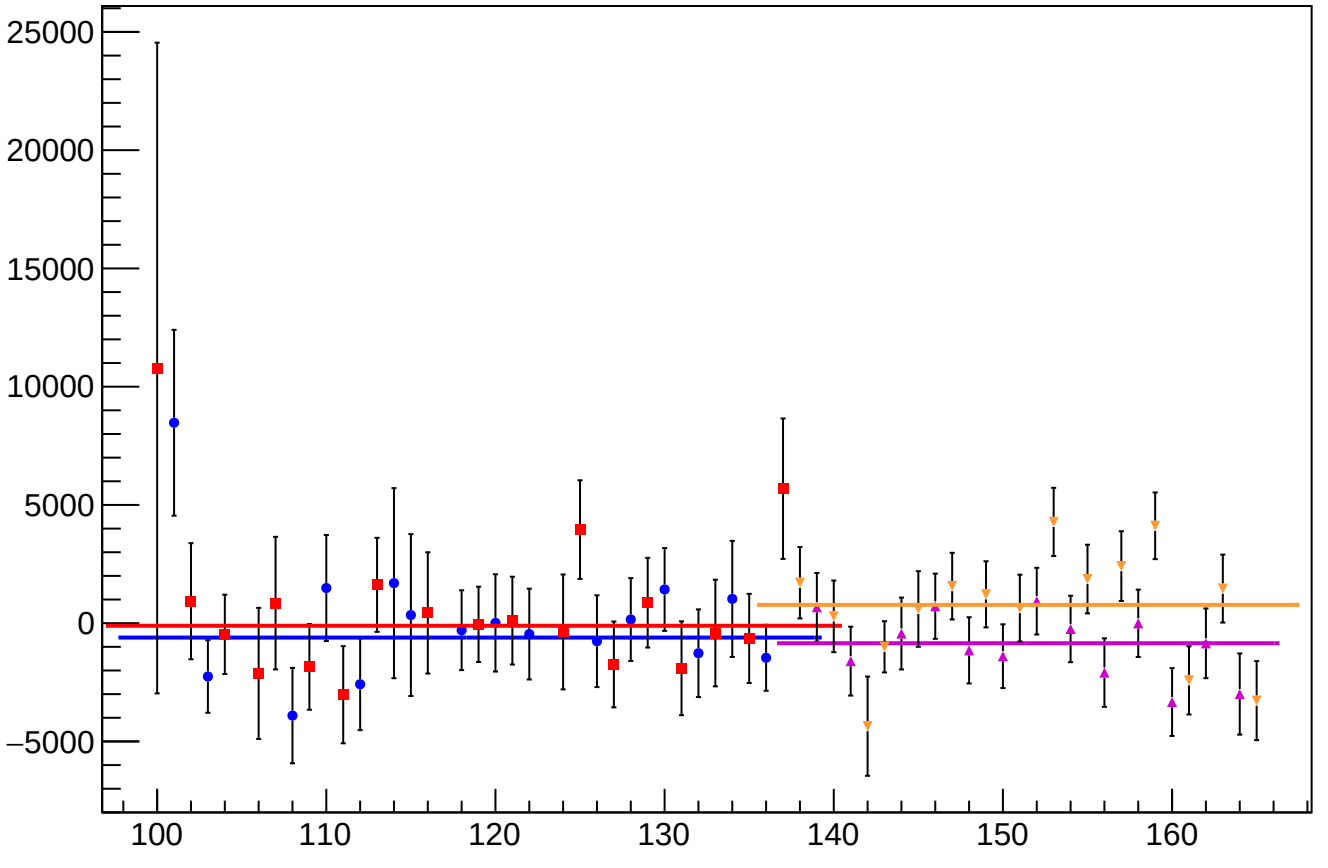
Left: 3638.345+/-0.565 χ^2/NDF: 3718621.0/27

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -847.227+/-400.519 χ^2/NDF:10.4/12

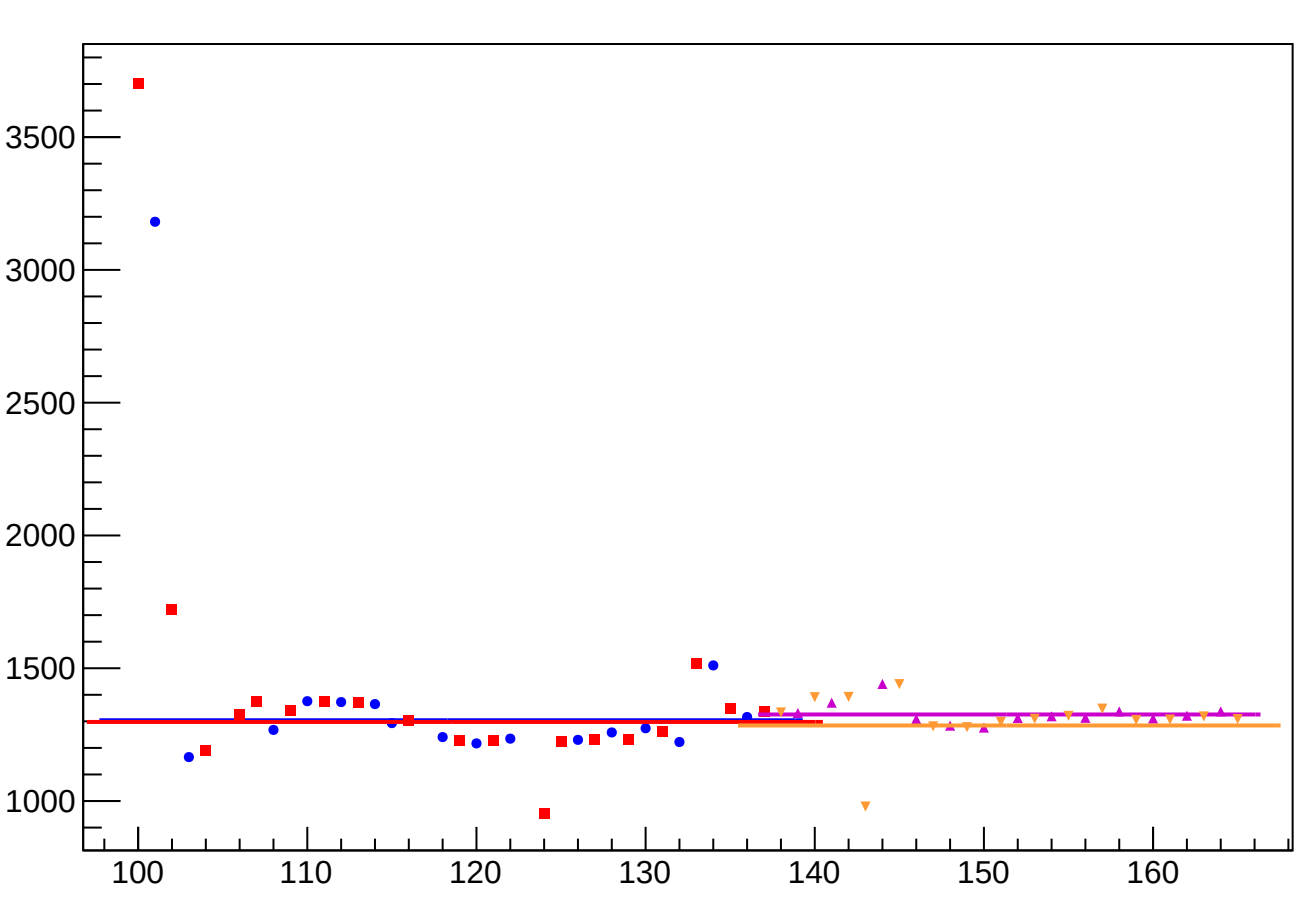
Left: 16.882+/-273.798 χ^2/NDF: 53.0/27

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -752.319+/-311.157 χ^2/NDF:24.6/28

Out: 444.684+/-296.862 χ^2/NDF:50.9/33

All: -125.689+/-214.789 χ^2/NDF: 83.3/62



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

Left: 1303.864+/-0.194 χ^2/NDF: 233461.9/27

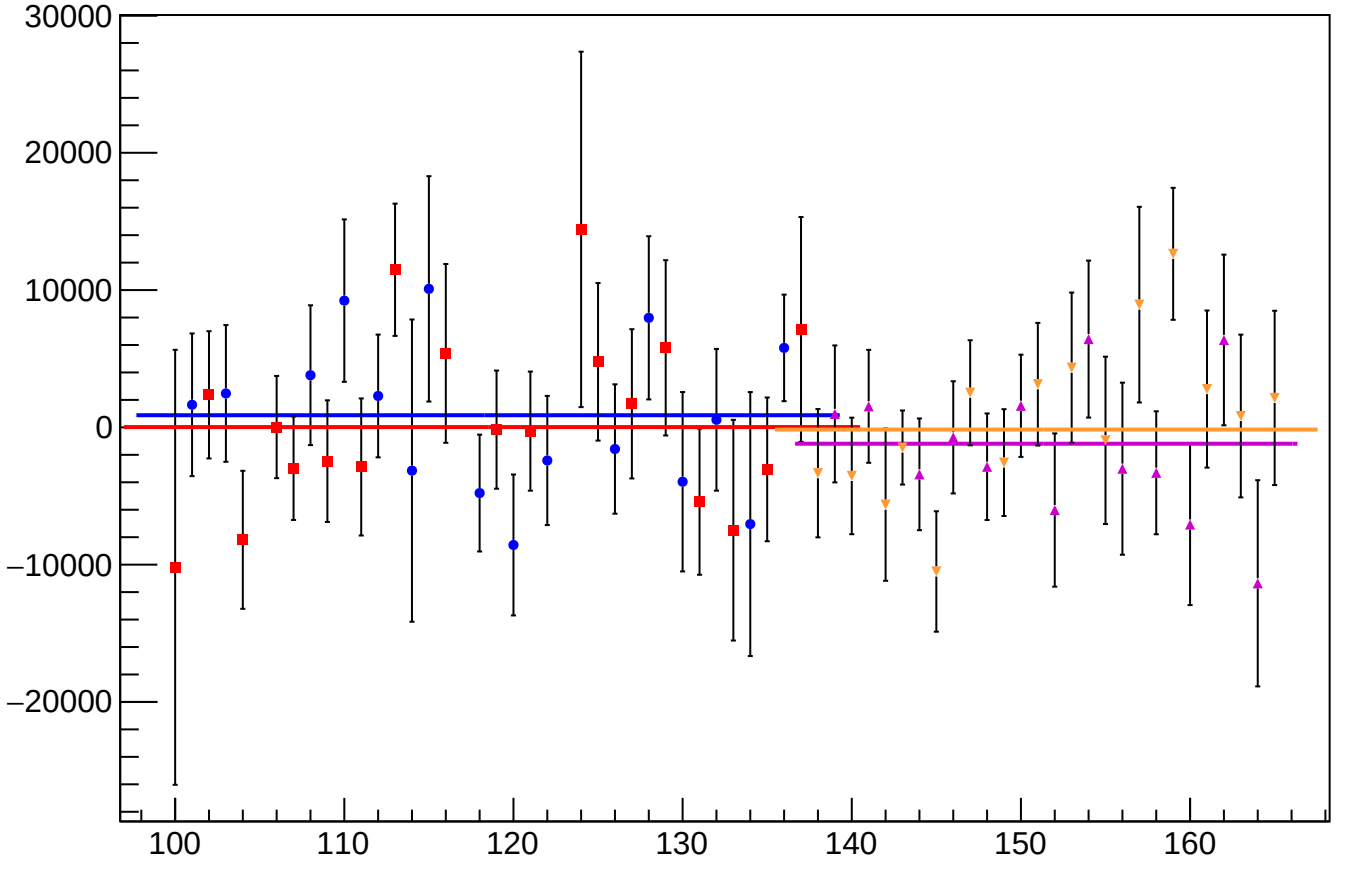
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.278+/-0.220 χ^2/NDF:531960.9/28

Out: 1289.477+/-0.210 χ^2/NDF:417083.4/33

All: 1302.720+/-0.152 χ^2/NDF: 957404.8/62

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -160.912+/-1182.786 χ^2/NDF:19.1/14

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1191.323+/-1325.927 χ^2/NDF:8.8/12

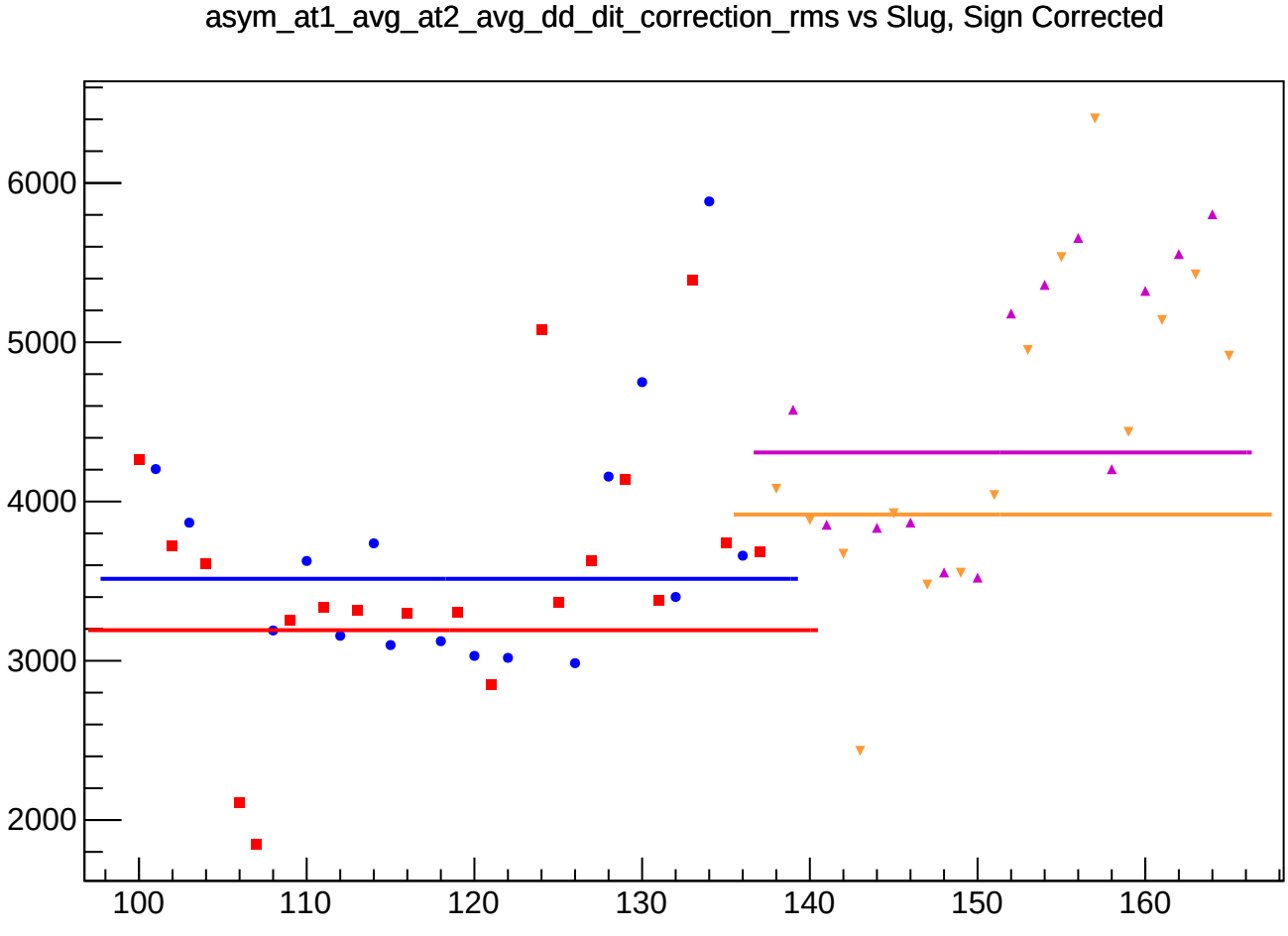
Left: -617.515+/-882.641 χ^2/NDF: 28.3/27

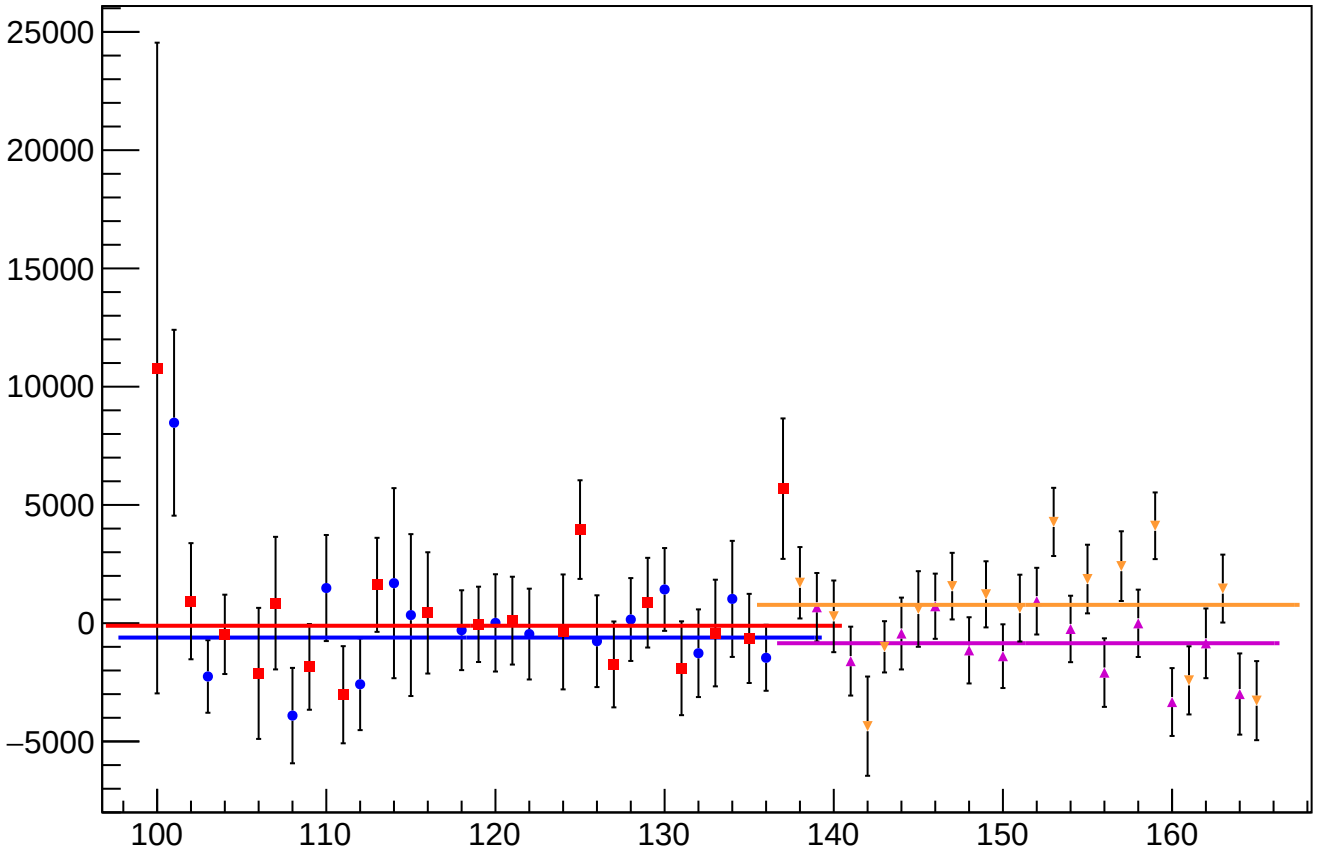
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -154.784+/-938.092 χ^2/NDF:24.2/28

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -108.638+/-626.768 χ^2/NDF: 60.1/62


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3918.319+/-0.836 χ²/NDF:1406365.2/14
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4307.916+/-0.938 χ²/NDF:674431.0/12
Left: 4090.960+/-0.624 χ²/NDF: 2176952.5/27
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3911.771+/-0.663 χ²/NDF:1406956.8/28
Out: 3560.511+/-0.596 χ²/NDF:2550288.0/33
All: 3717.313+/-0.443 χ²/NDF: 4112480.8/62



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -847.228+/-400.519 χ^2/NDF:10.4/12

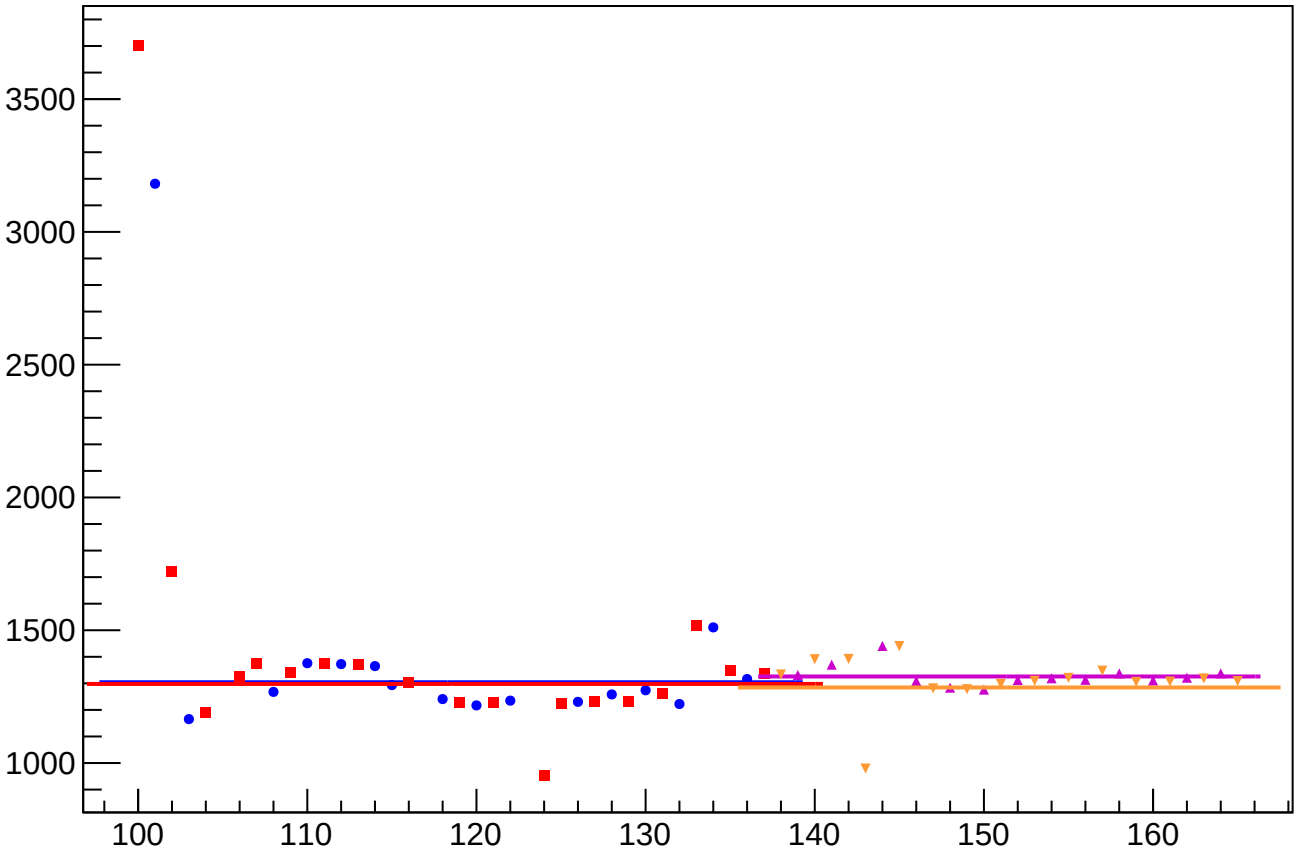
Left: 16.885+/-273.798 χ^2/NDF: 53.0/27

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -752.321+/-311.158 χ^2/NDF:24.6/28

Out: 444.686+/-296.862 χ^2/NDF:50.9/33

All: -125.689+/-214.789 χ^2/NDF: 83.3/62



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

Left: 1303.866+/-0.194 χ^2/NDF: 233462.7/27

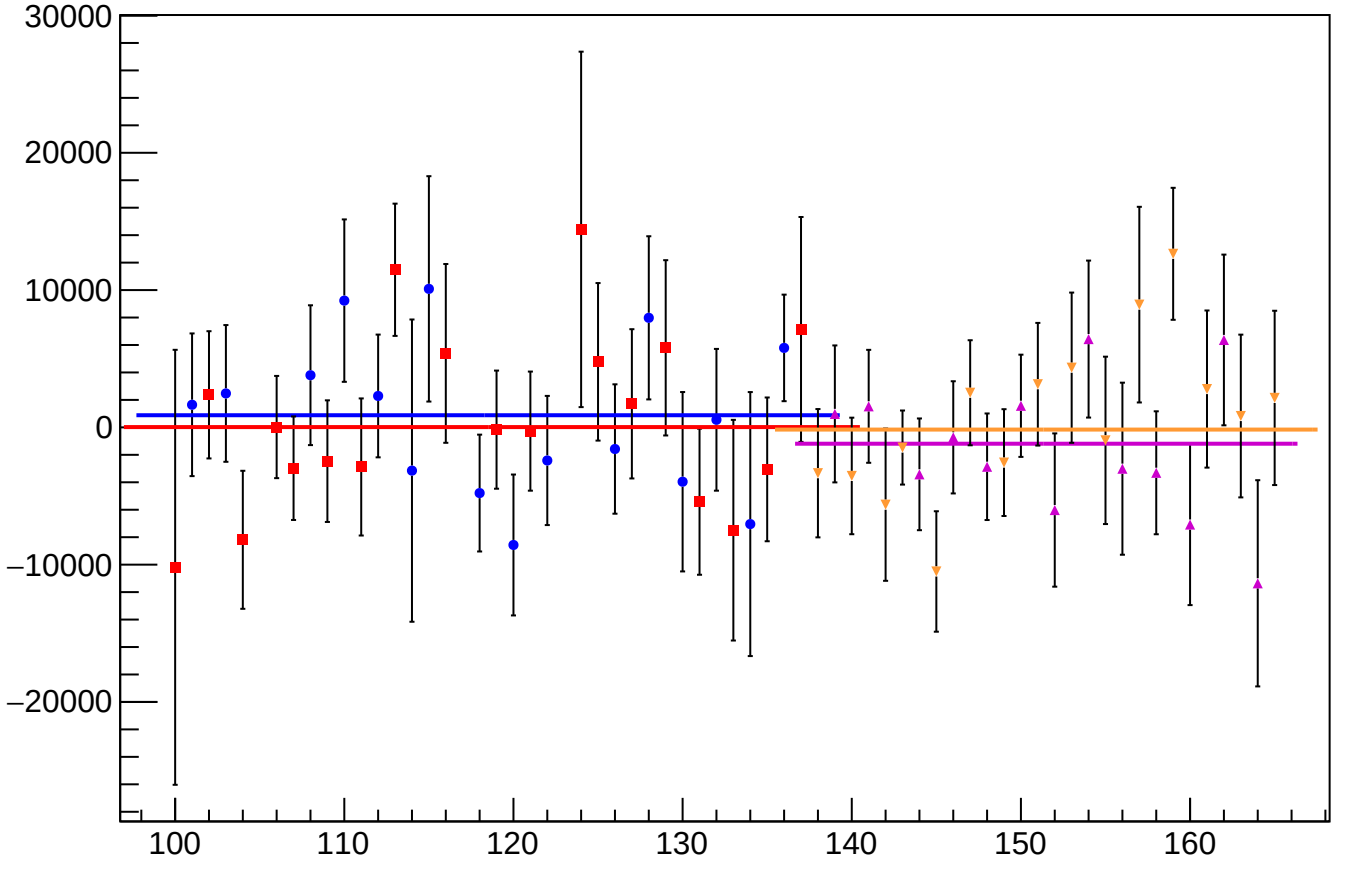
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1317.279+/-0.220 χ^2/NDF:531961.4/28

Out: 1289.478+/-0.210 χ^2/NDF:417084.1/33

All: 1302.721+/-0.152 χ^2/NDF: 957405.9/62

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: -160.908+/-1182.788 χ^2/NDF:19.1/14

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1191.322+/-1325.929 χ^2/NDF:8.8/12

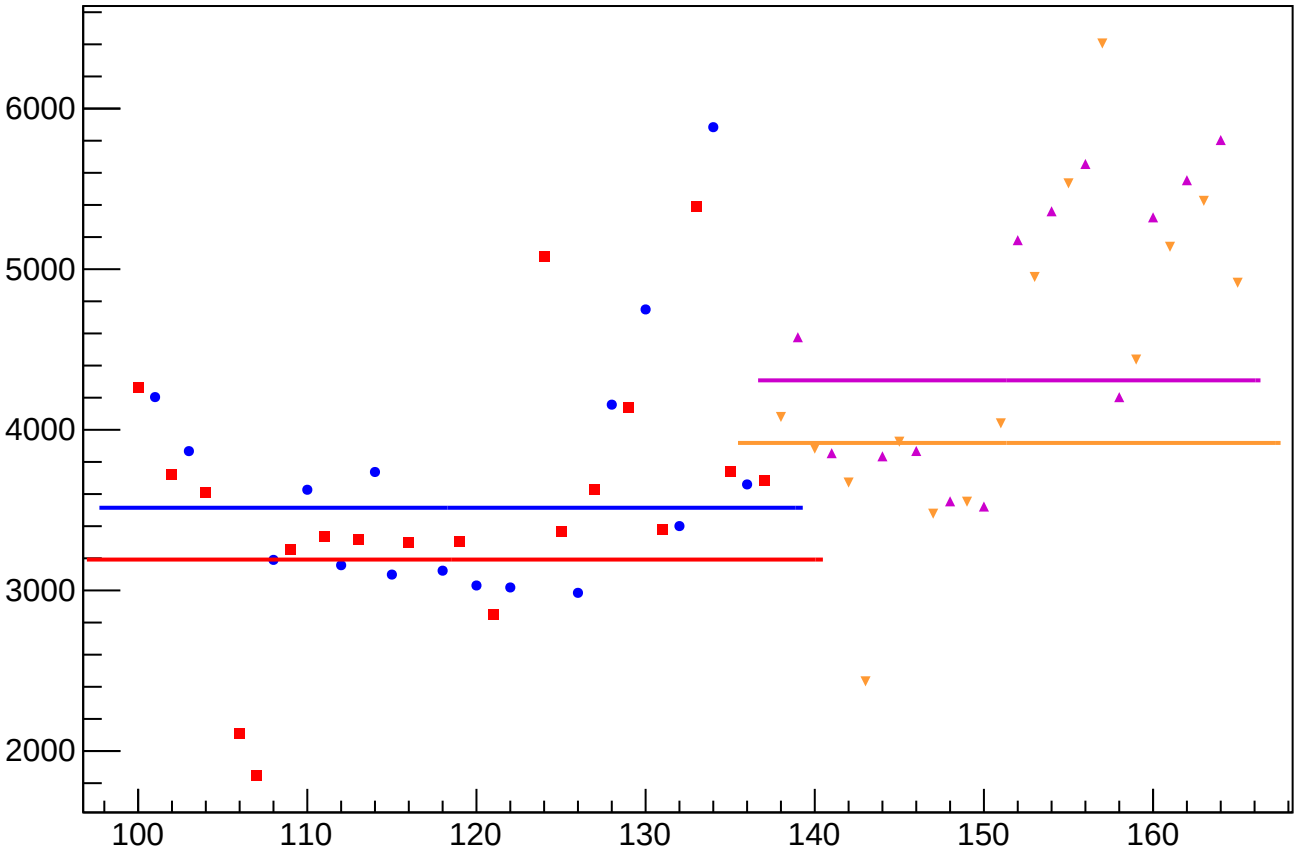
Left: -617.513+/-882.642 χ^2/NDF: 28.3/27

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -154.785+/-938.091 χ^2/NDF:24.2/28

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -108.638+/-626.768 χ^2/NDF: 60.1/62



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

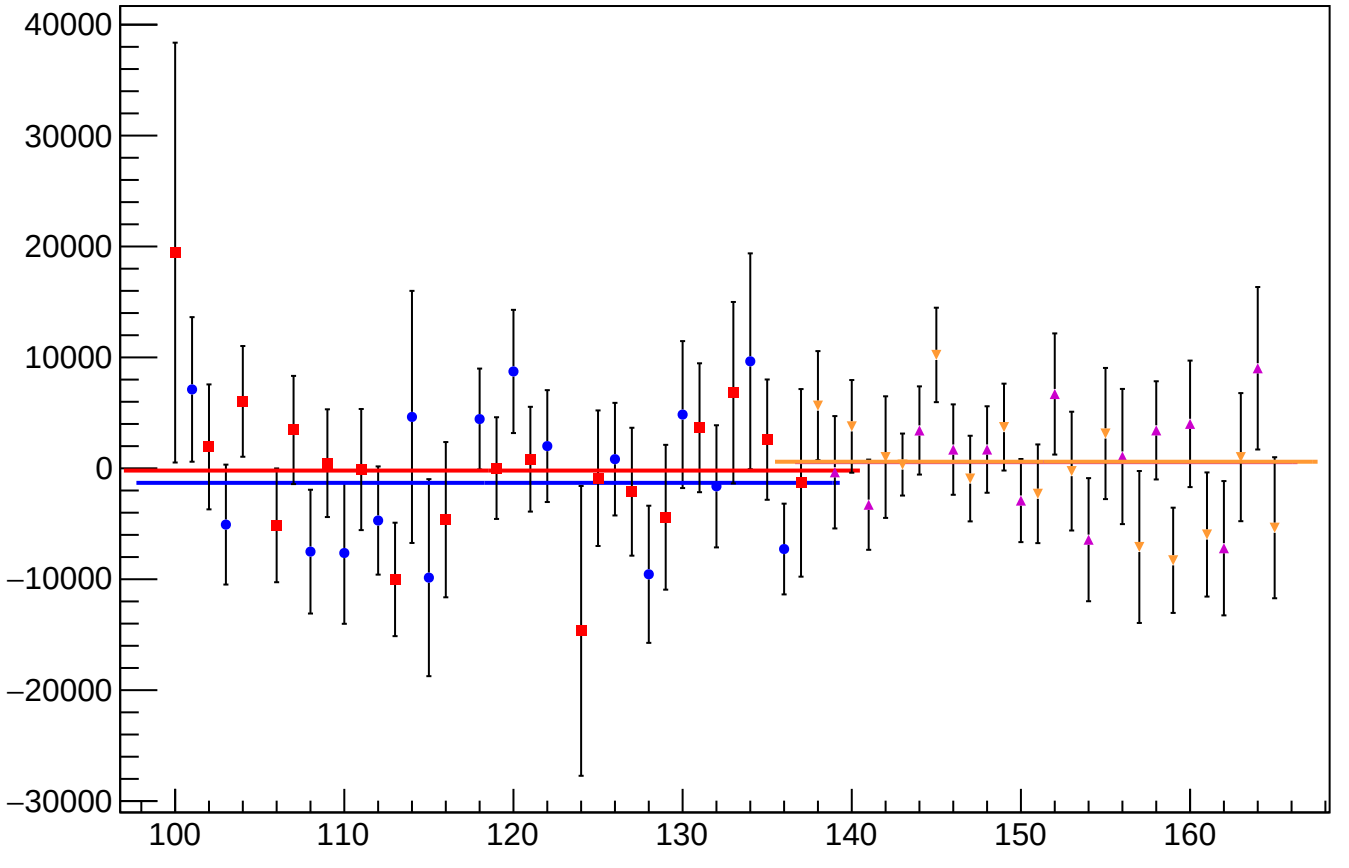
Left: 4090.966+/-0.624 χ^2/NDF: 2176955.8/27

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3911.768+/-0.663 χ^2/NDF:1406976.5/28

Out: 3560.509+/-0.596 χ^2/NDF:2550306.2/33

All: 3717.311+/-0.443 χ^2/NDF: 4112518.2/62



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 558.248+/-1312.498 χ^2/NDF:9.1/12

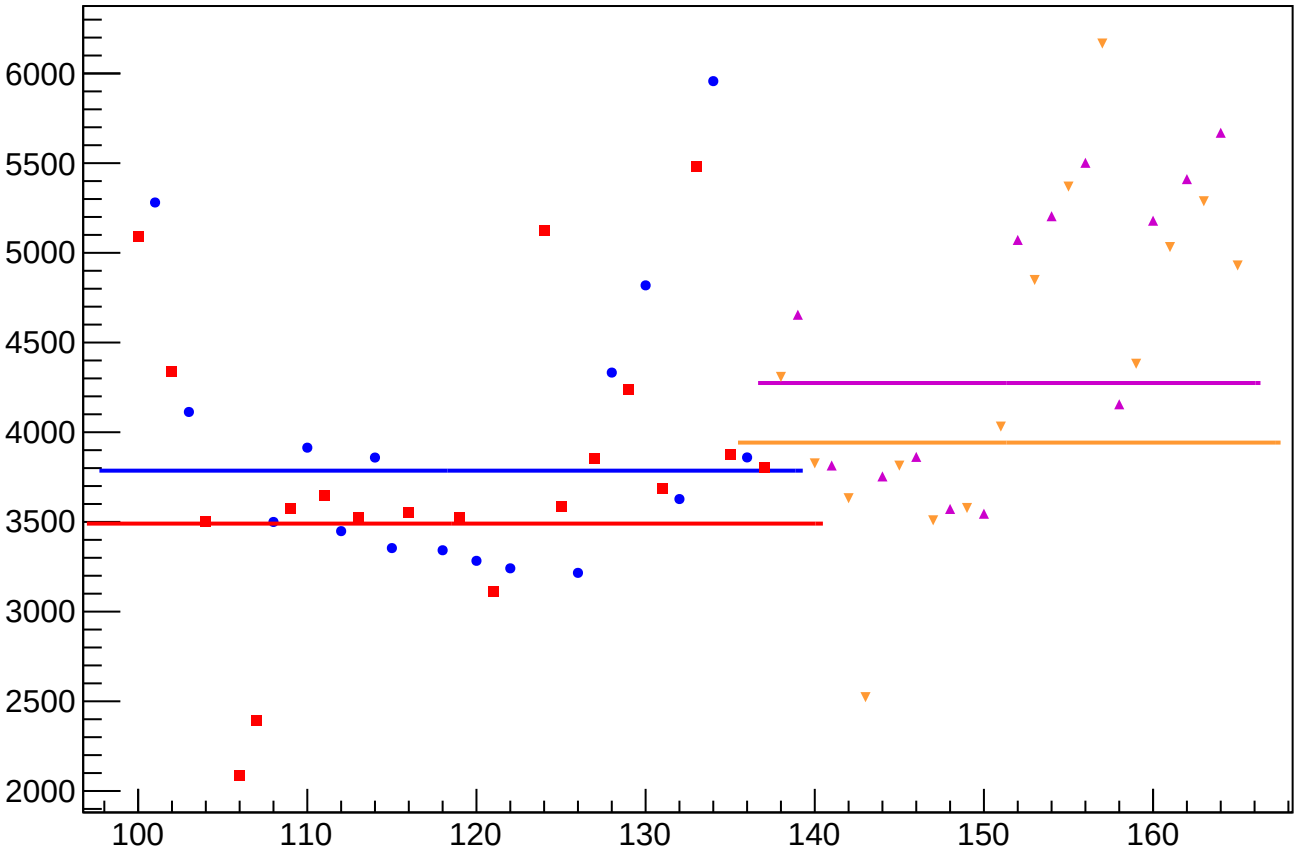
Left: 578.332+/-879.001 χ^2/NDF: 24.3/27

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -294.628+/-967.454 χ^2/NDF:27.6/28

Out: 244.524+/-885.975 χ^2/NDF:27.1/33

All: -1.396+/-653.389 χ^2/NDF: 54.8/62



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

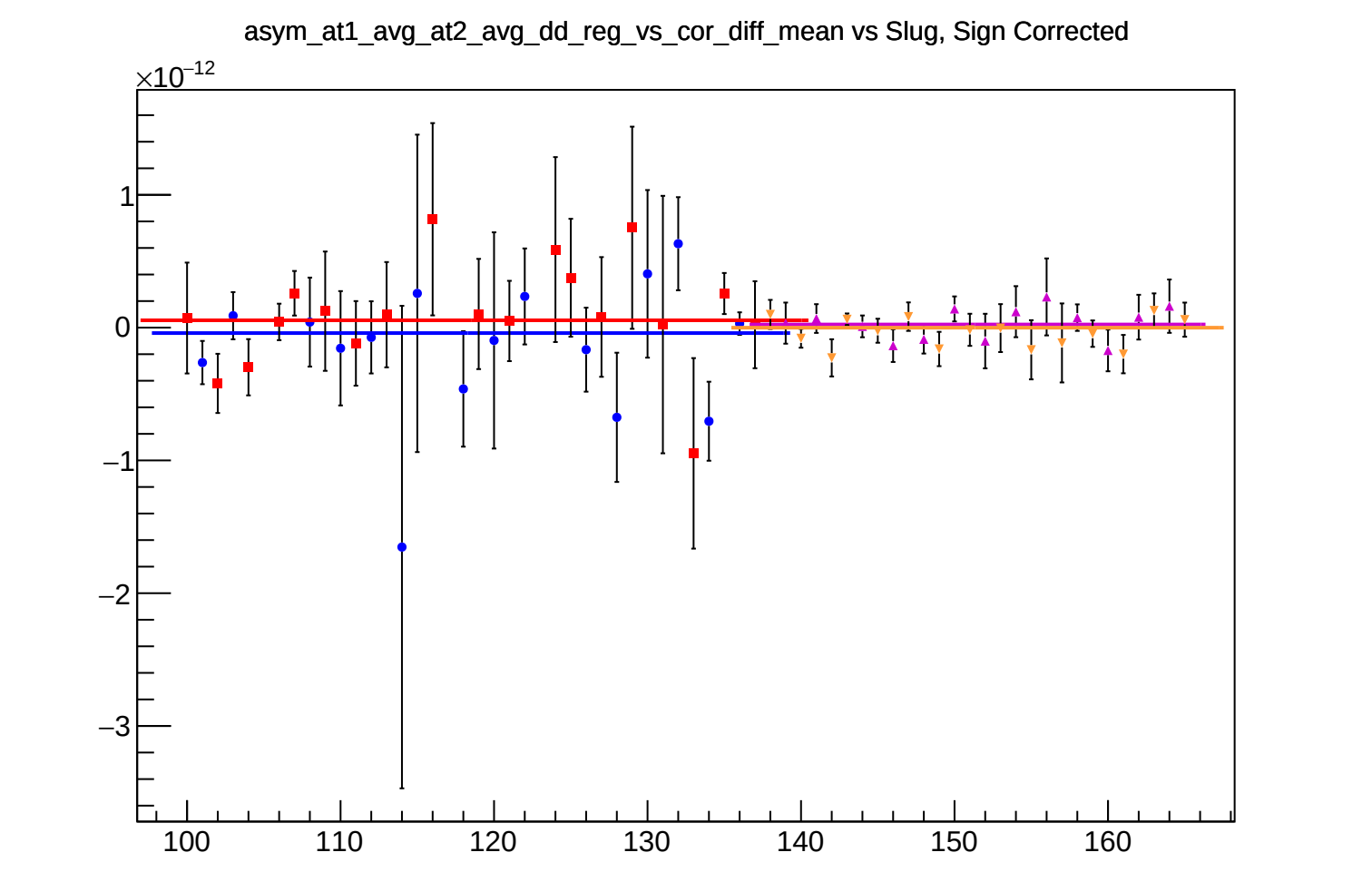
Left: 4091.210+/-0.622 χ^2/NDF: 1891820.4/27

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4051.247+/-0.684 χ^2/NDF:1116425.5/28

Out: 3740.583+/-0.623 χ^2/NDF:1931051.6/33

All: 3881.348+/-0.460 χ^2/NDF: 3160263.4/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

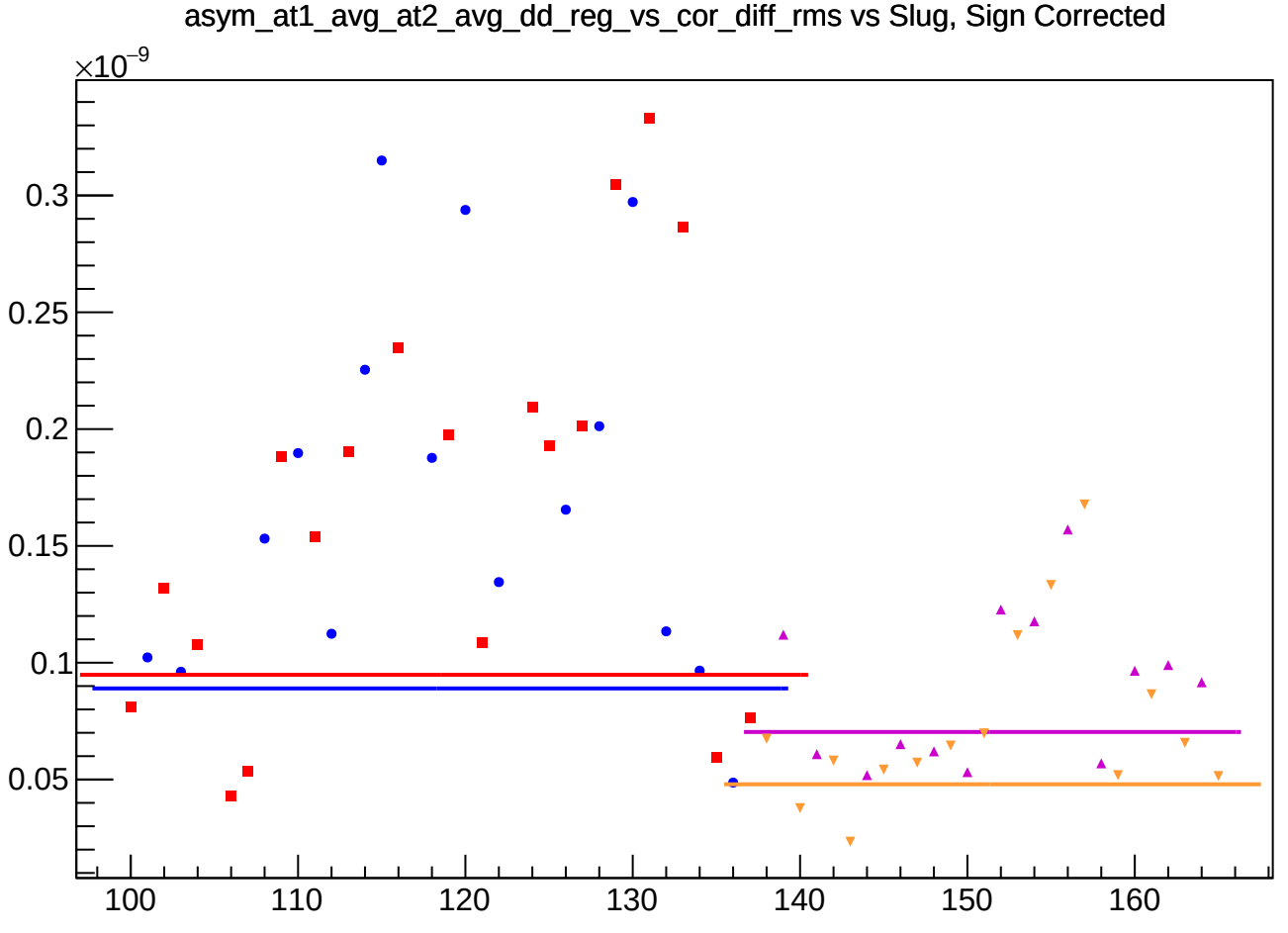
Left: 0.000+/-0.000 χ^2/NDF: 21.4/27

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.6/33

All: 0.000+/-0.000 χ^2/NDF: 55.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3389411.3/27

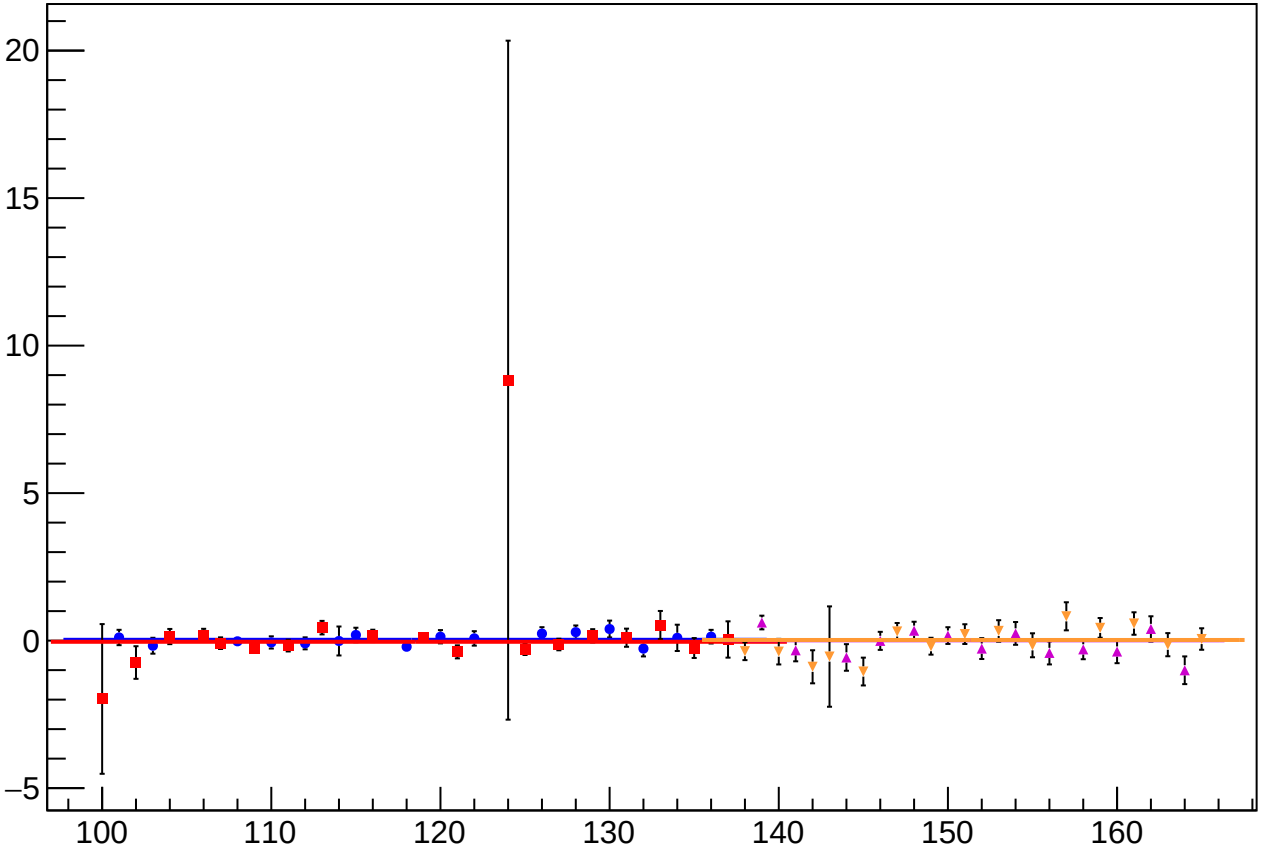
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2553869.1/28

Out: 0.000+/-0.000 χ^2/NDF:4574503.5/33

All: 0.000+/-0.000 χ^2/NDF: 7712705.1/62

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

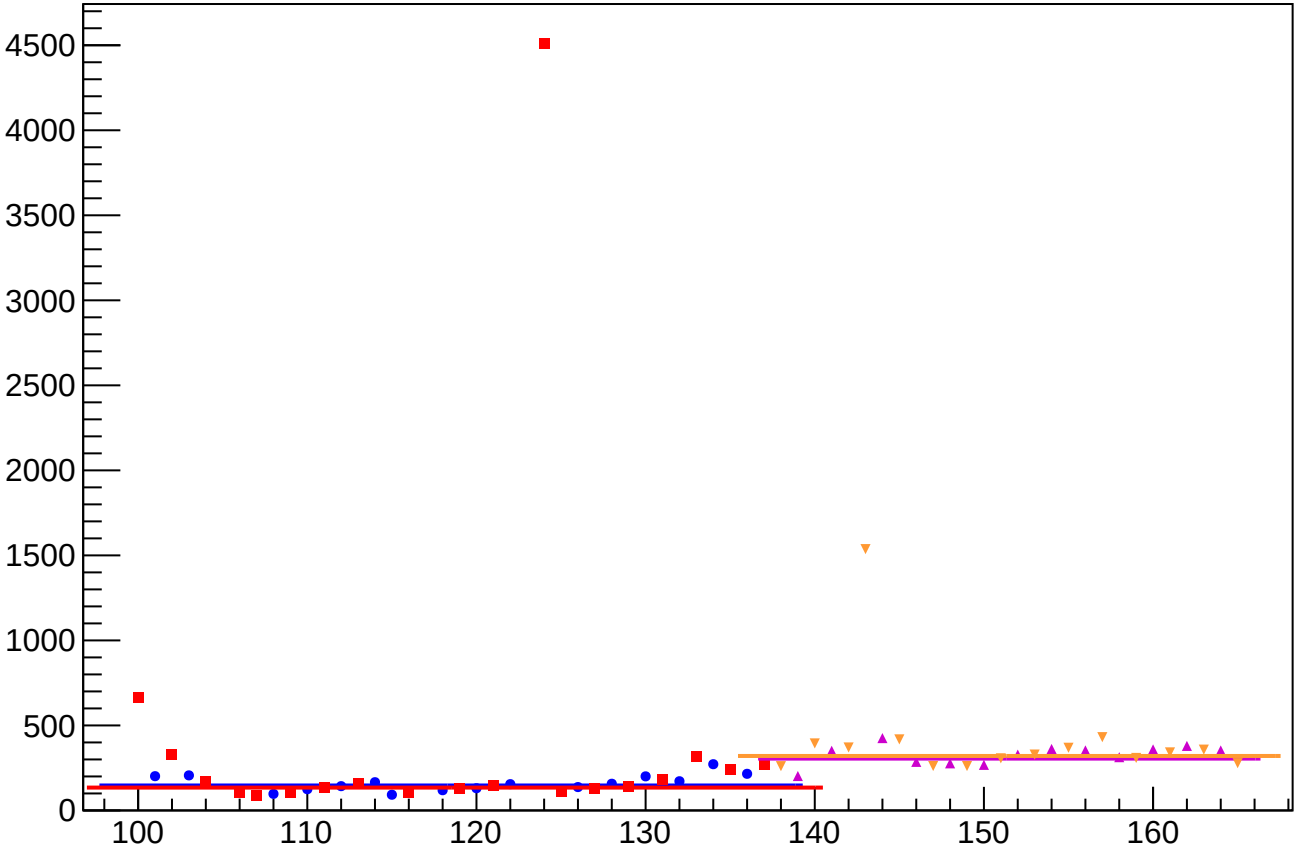
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 312.487+/-0.048 χ^2/NDF: 2473499.4/27

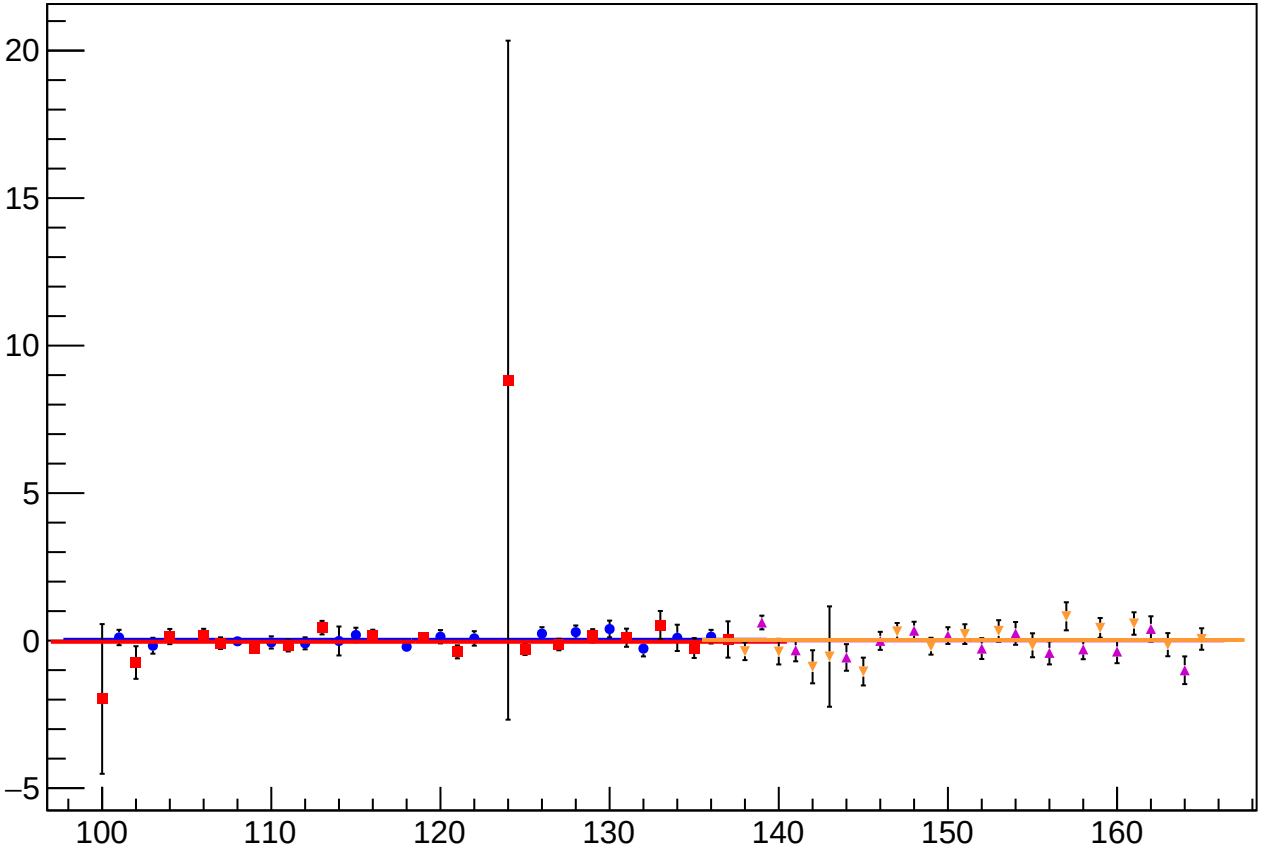
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

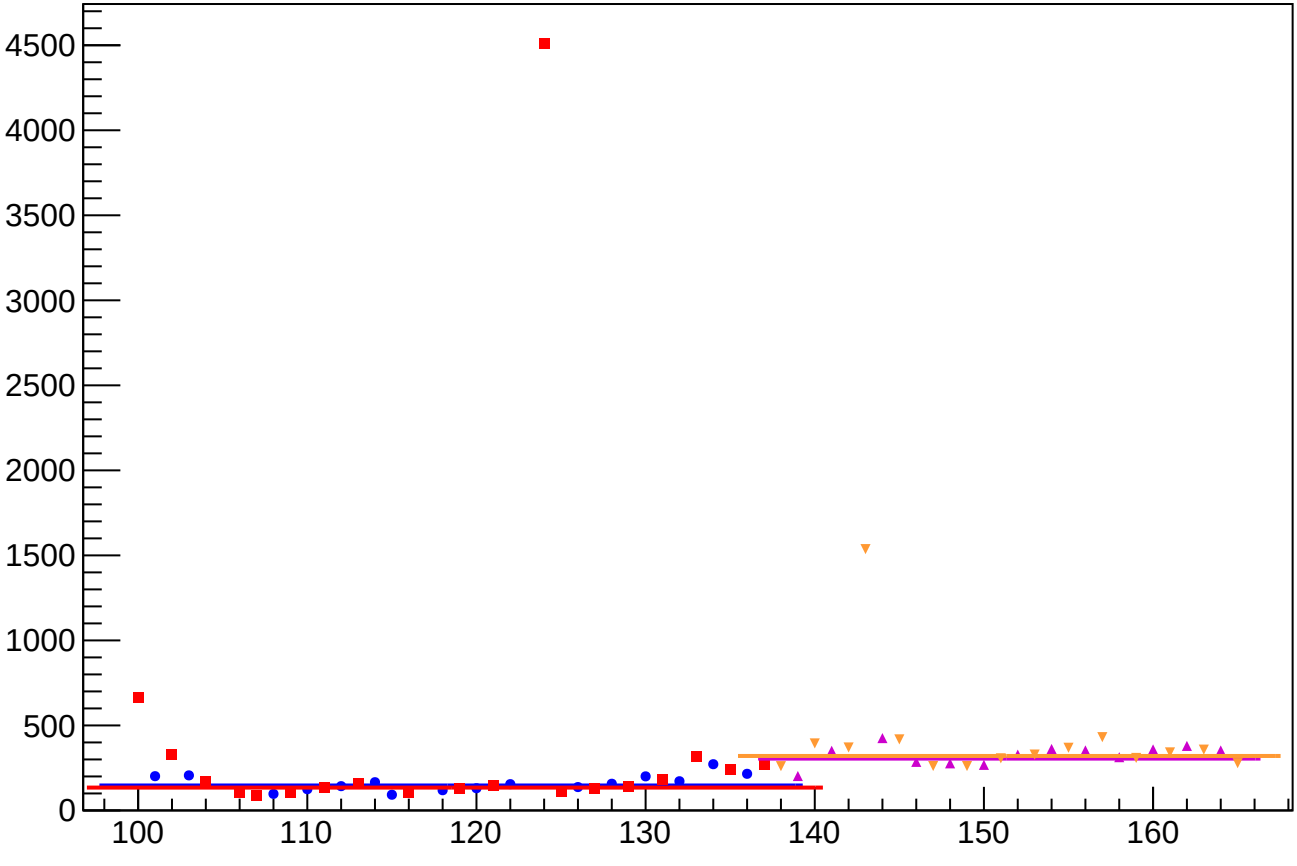
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

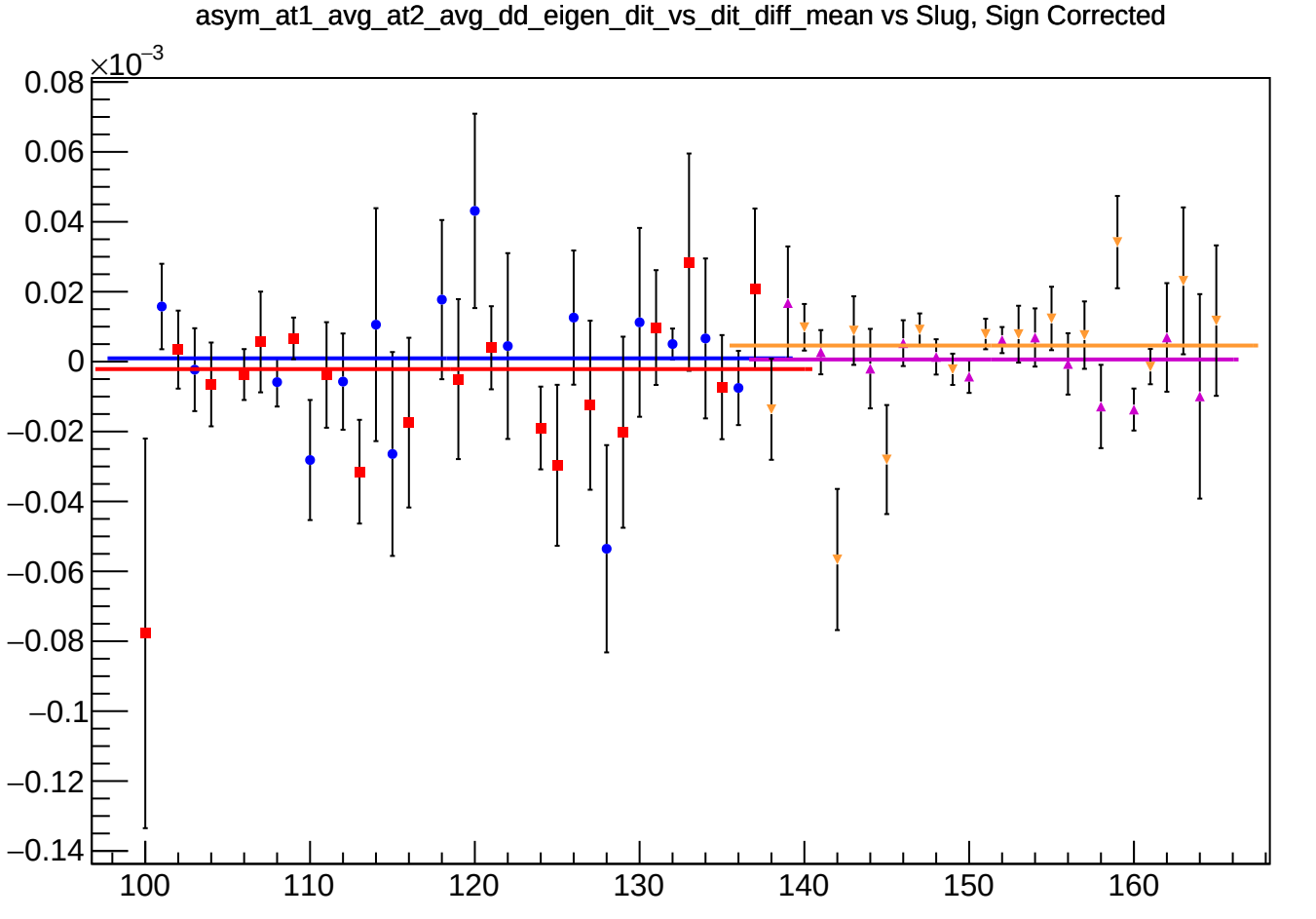
Left: 312.487+/-0.048 χ^2/NDF: 2473499.4/27

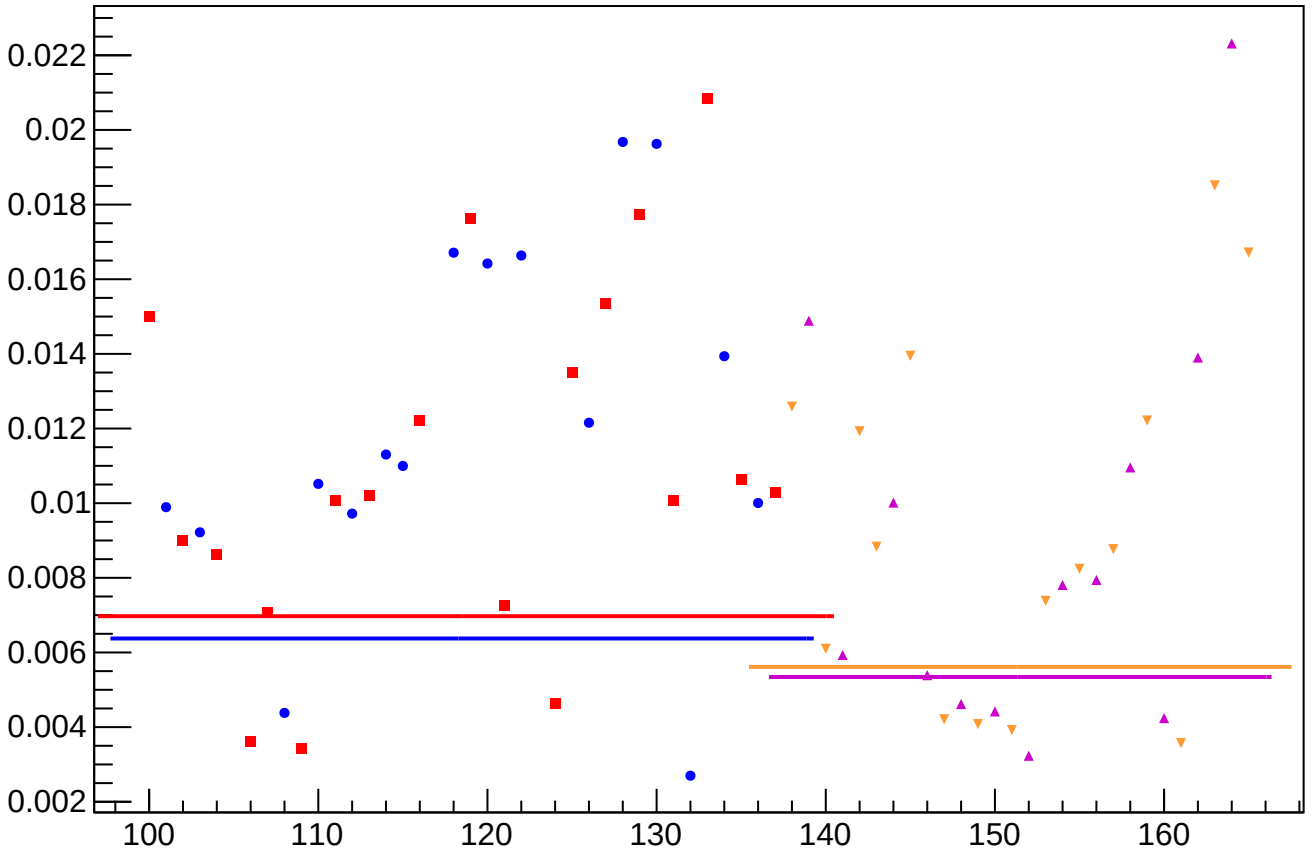
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62


asym_at1_avg_at2_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:12.8/12
Left: 0.000+/-0.000 χ²/NDF: 43.2/27
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.7/28
Out: 0.000+/-0.000 χ²/NDF:47.8/33
All: 0.000+/-0.000 χ²/NDF: 76.3/62



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

Left: 0.005+/-0.000 χ^2/NDF: 8739547.6/27

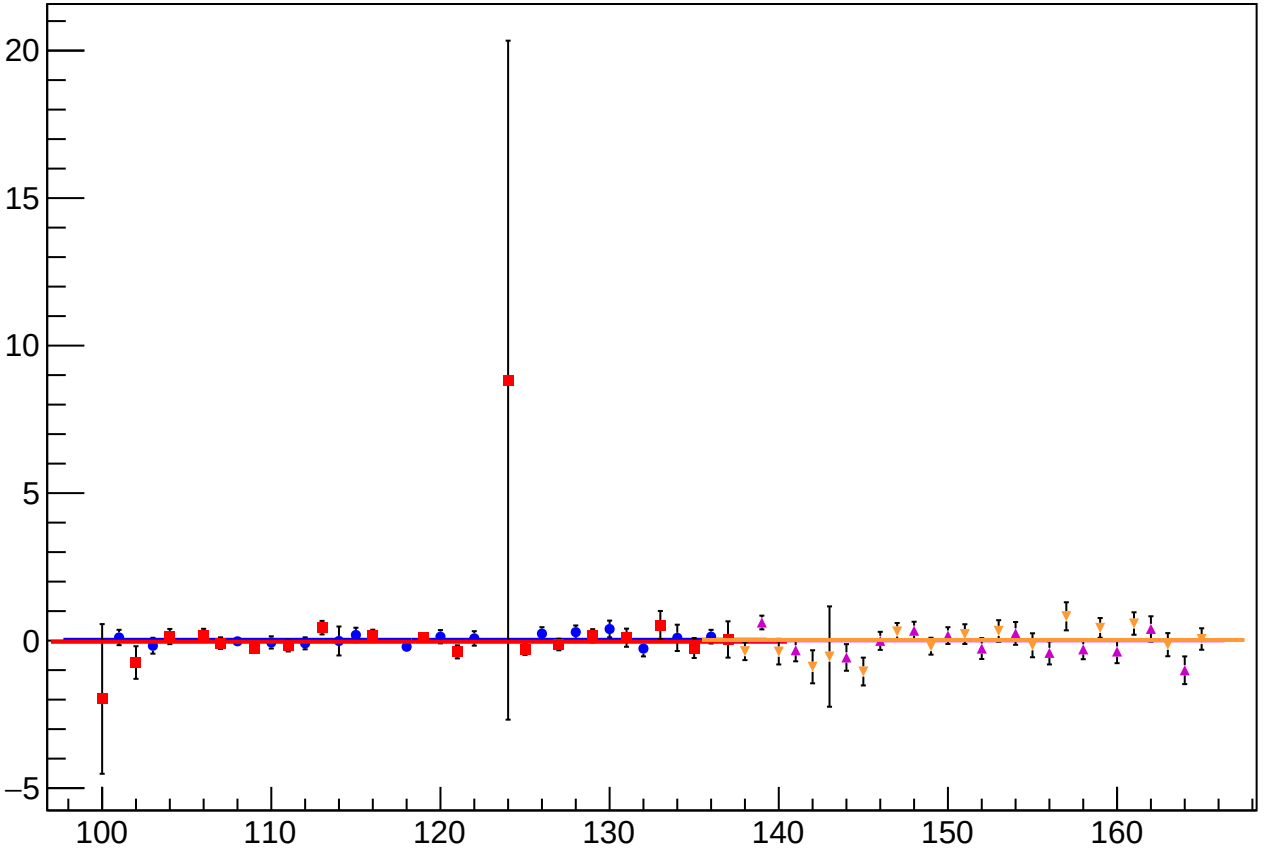
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8766438.7/28

Out: 0.006+/-0.000 χ^2/NDF:8470099.5/33

All: 0.006+/-0.000 χ^2/NDF: 17285637.8/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

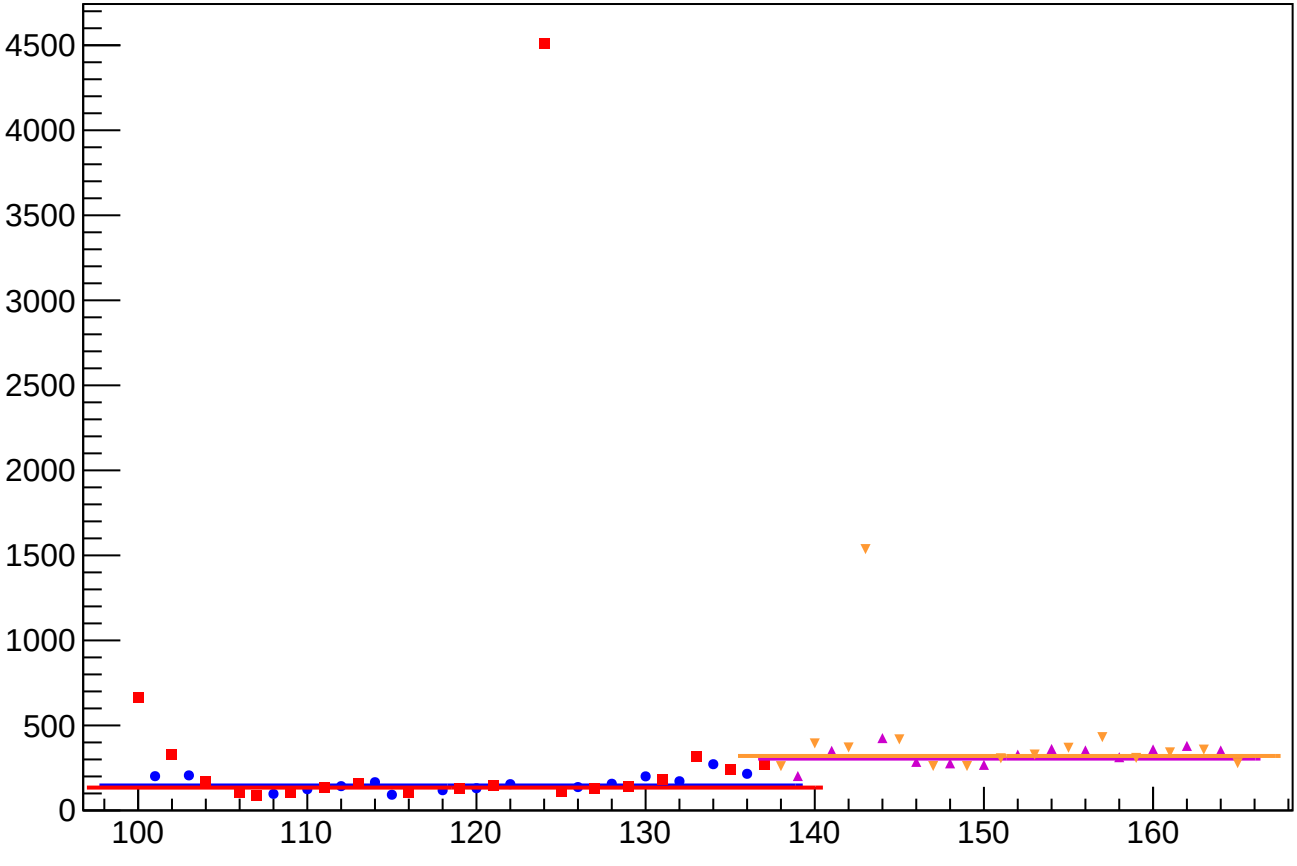
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 312.492+/-0.048 χ^2/NDF: 2473492.4/27

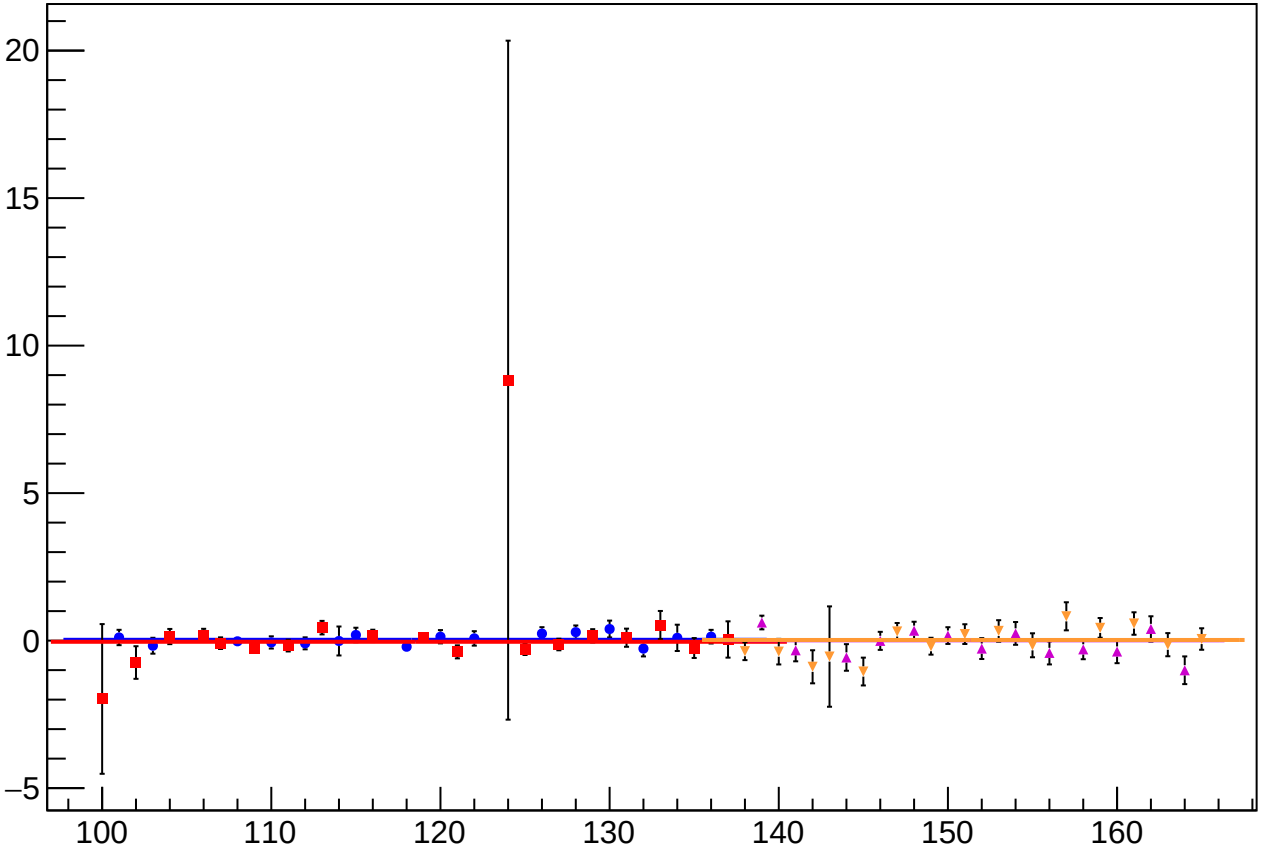
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

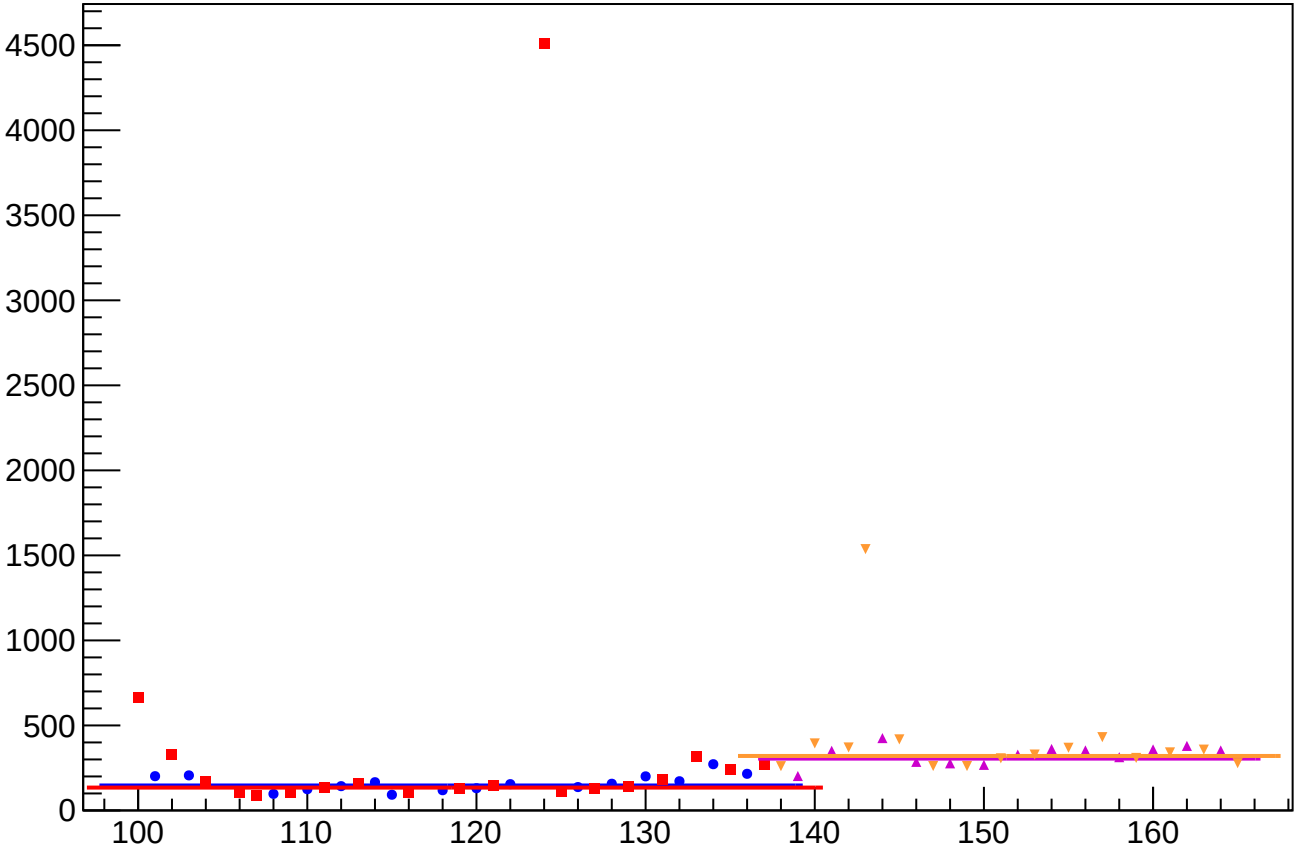
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

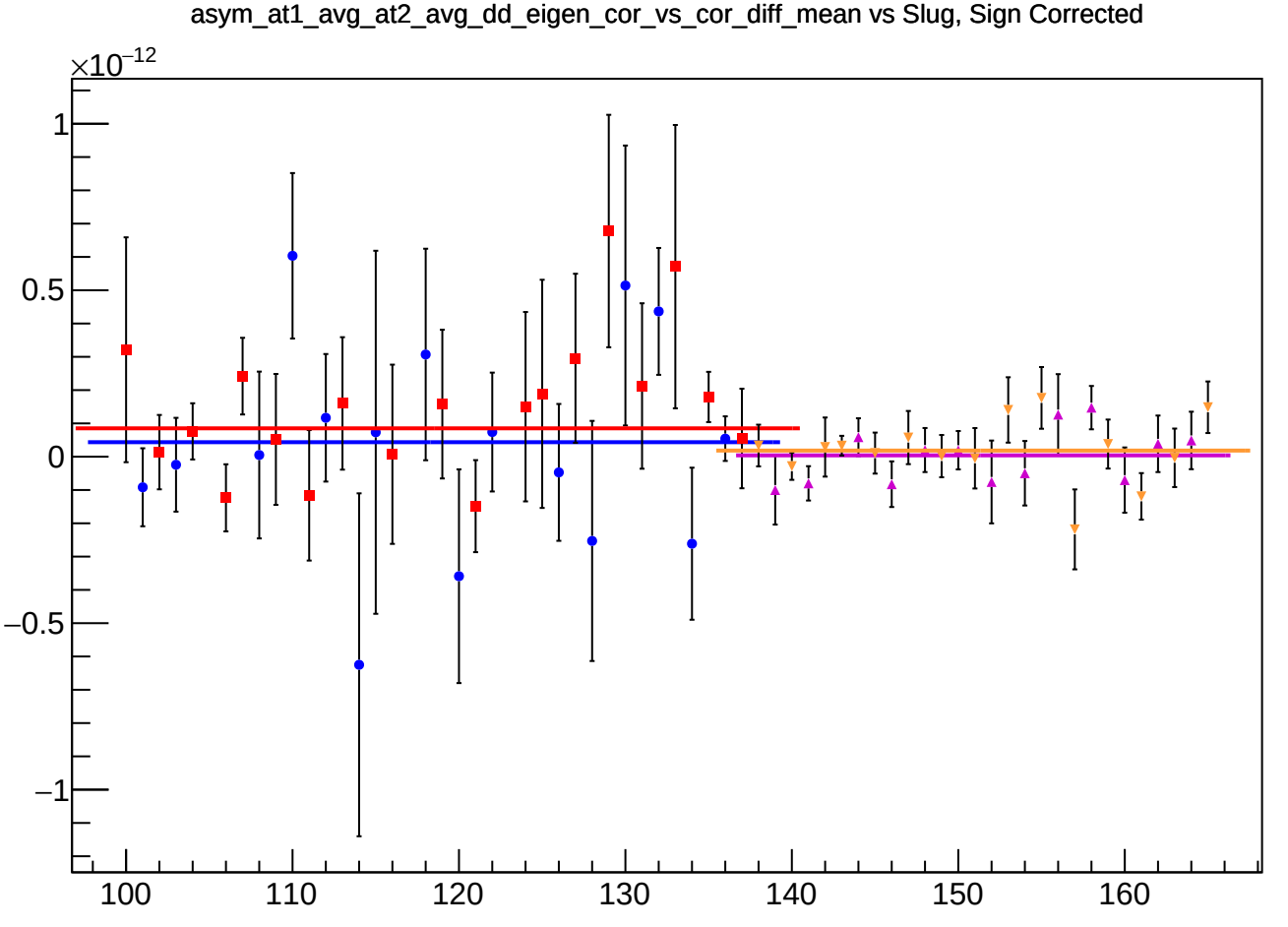
Left: 312.492+/-0.048 χ^2/NDF: 2473492.4/27

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

Left: 0.000+/-0.000 χ^2/NDF: 31.4/27

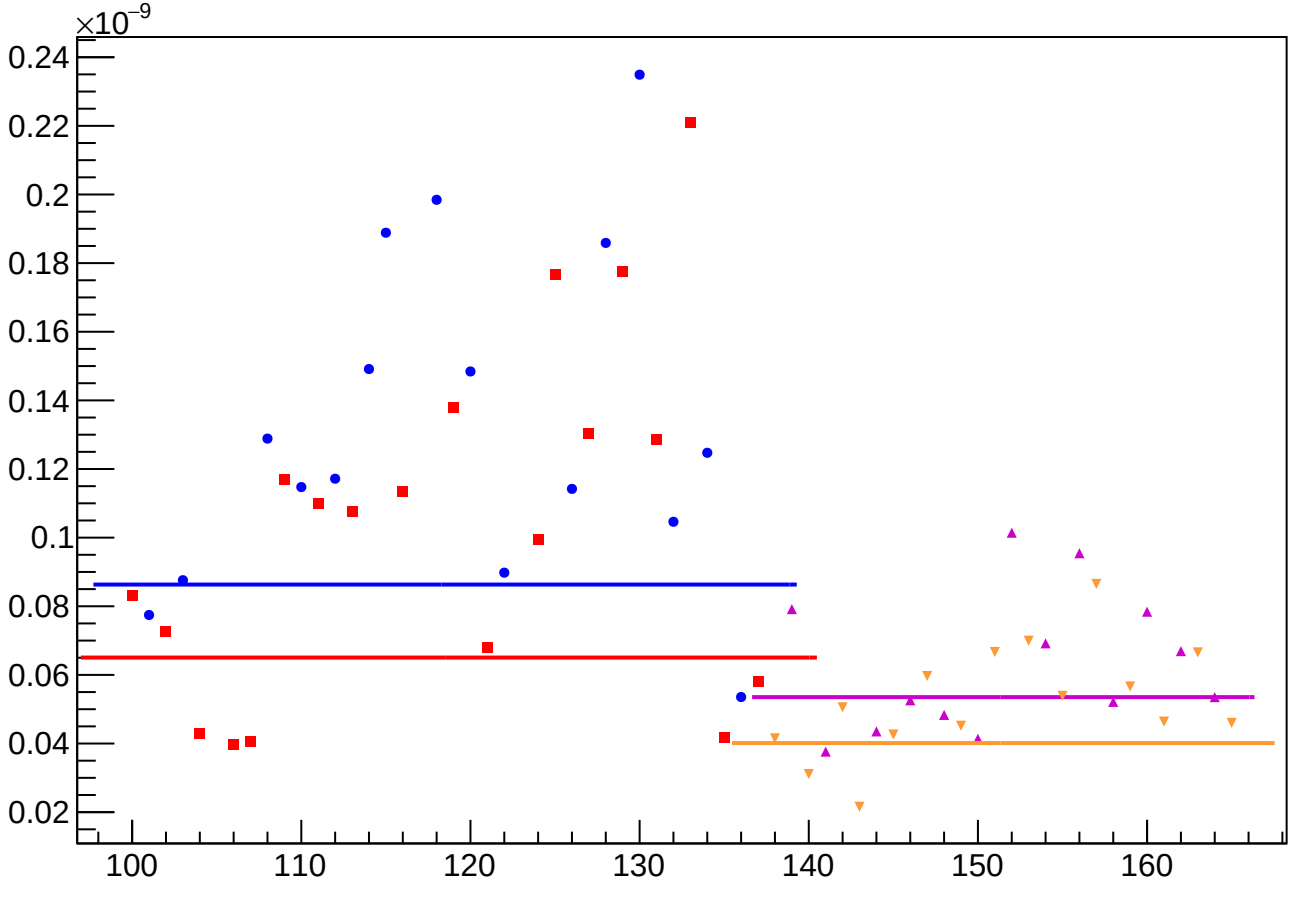
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.6/28

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 72.8/62

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:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

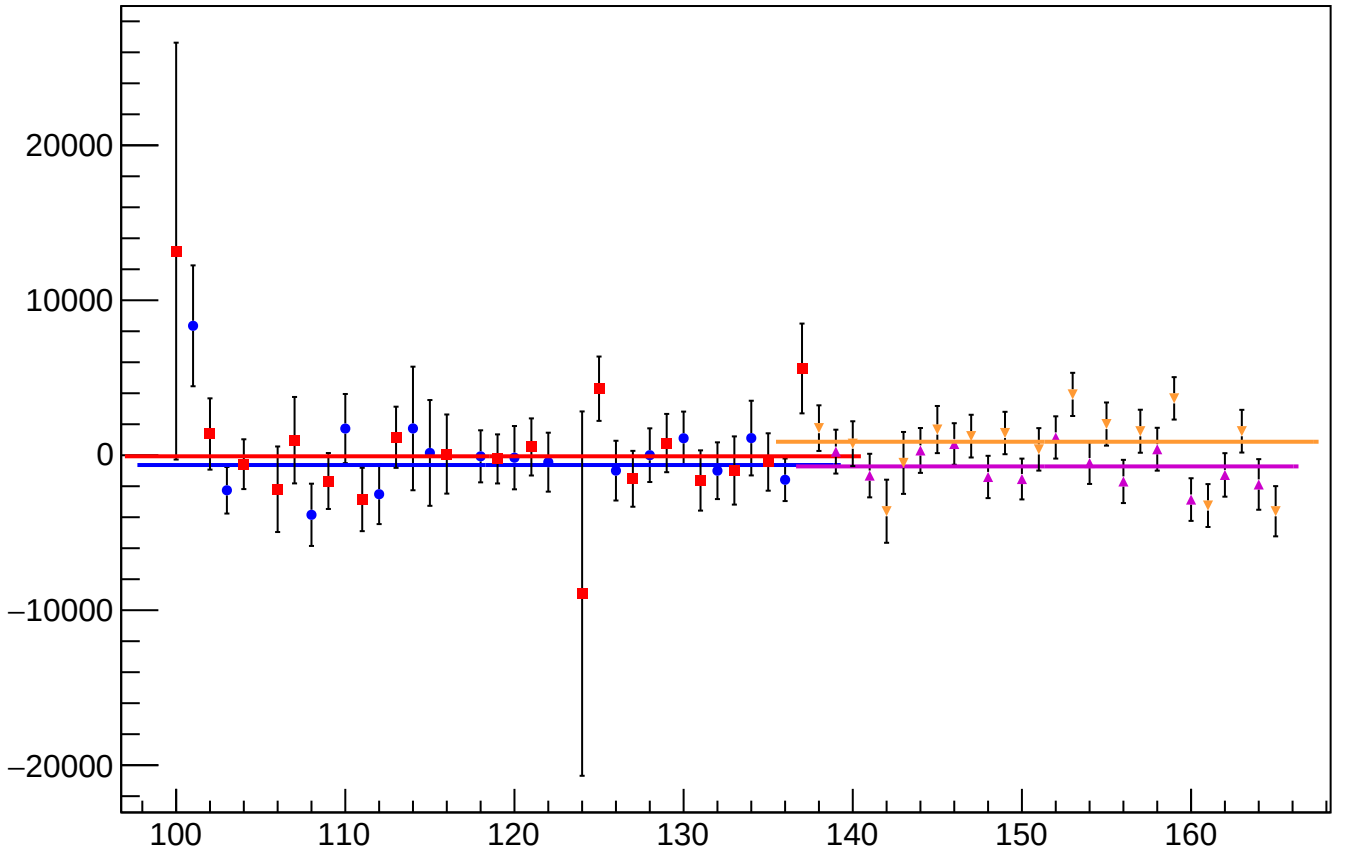
Left: 0.000+/-0.000 χ^2/NDF: 3823737.7/27

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3766306.7/28

Out: 0.000+/-0.000 χ^2/NDF:5080077.4/33

All: 0.000+/-0.000 χ^2/NDF: 9664134.1/62



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -720.669+/-386.715 χ^2/NDF:9.0/12

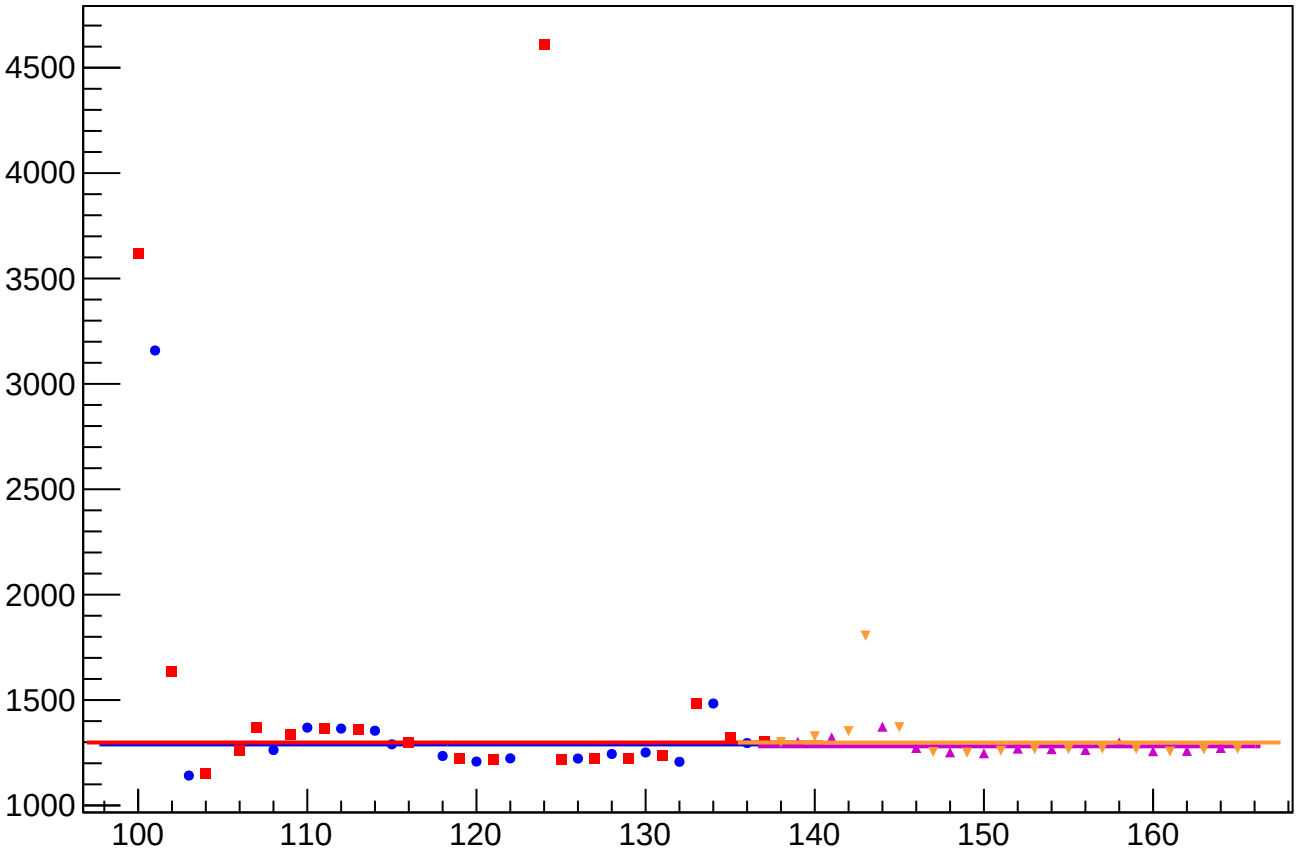
Left: 91.726+/-270.596 χ^2/NDF: 50.7/27

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -686.154+/-303.246 χ^2/NDF:23.0/28

Out: 517.950+/-299.160 χ^2/NDF:51.1/33

All: -75.936+/-212.968 χ^2/NDF: 82.1/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

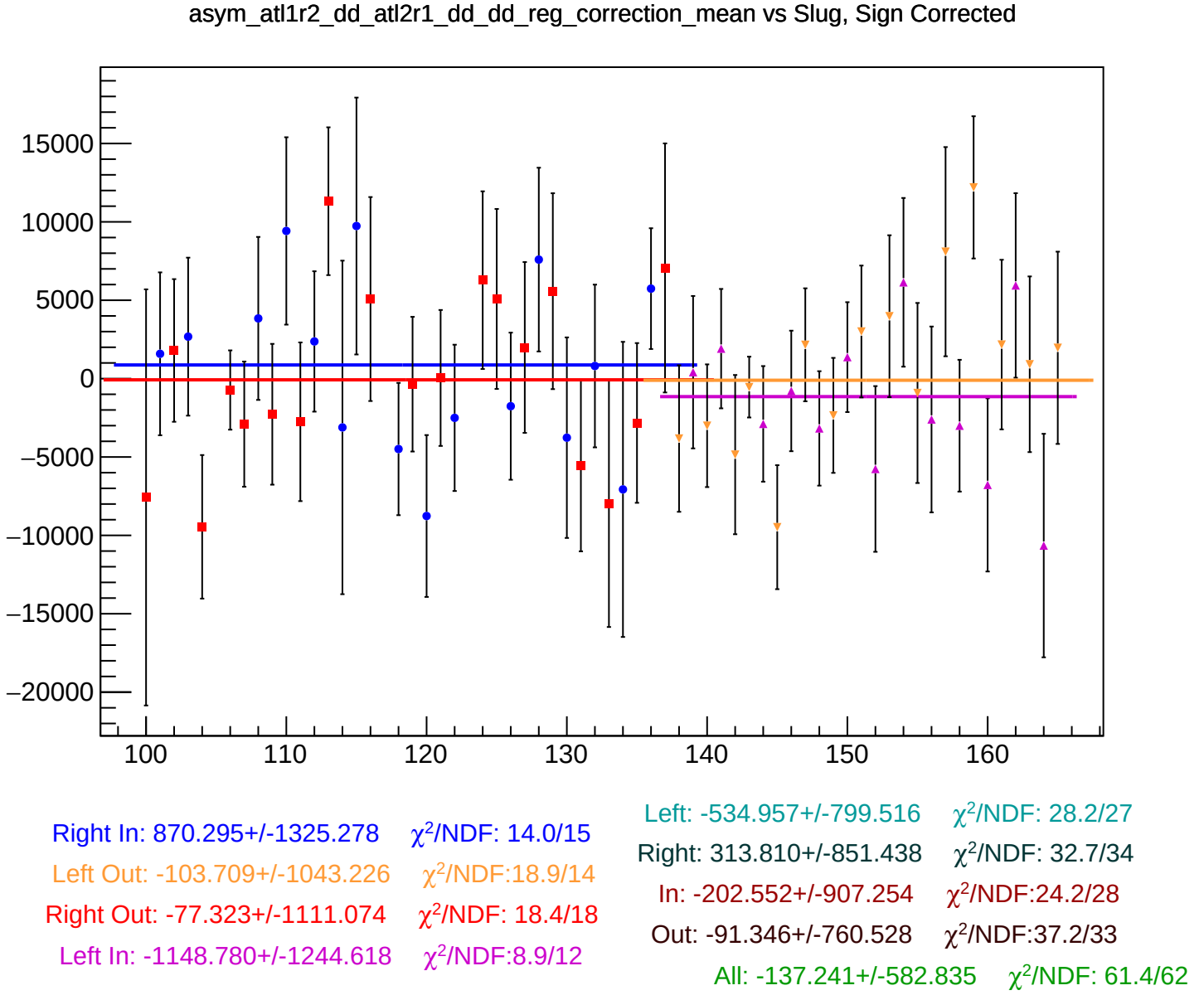
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

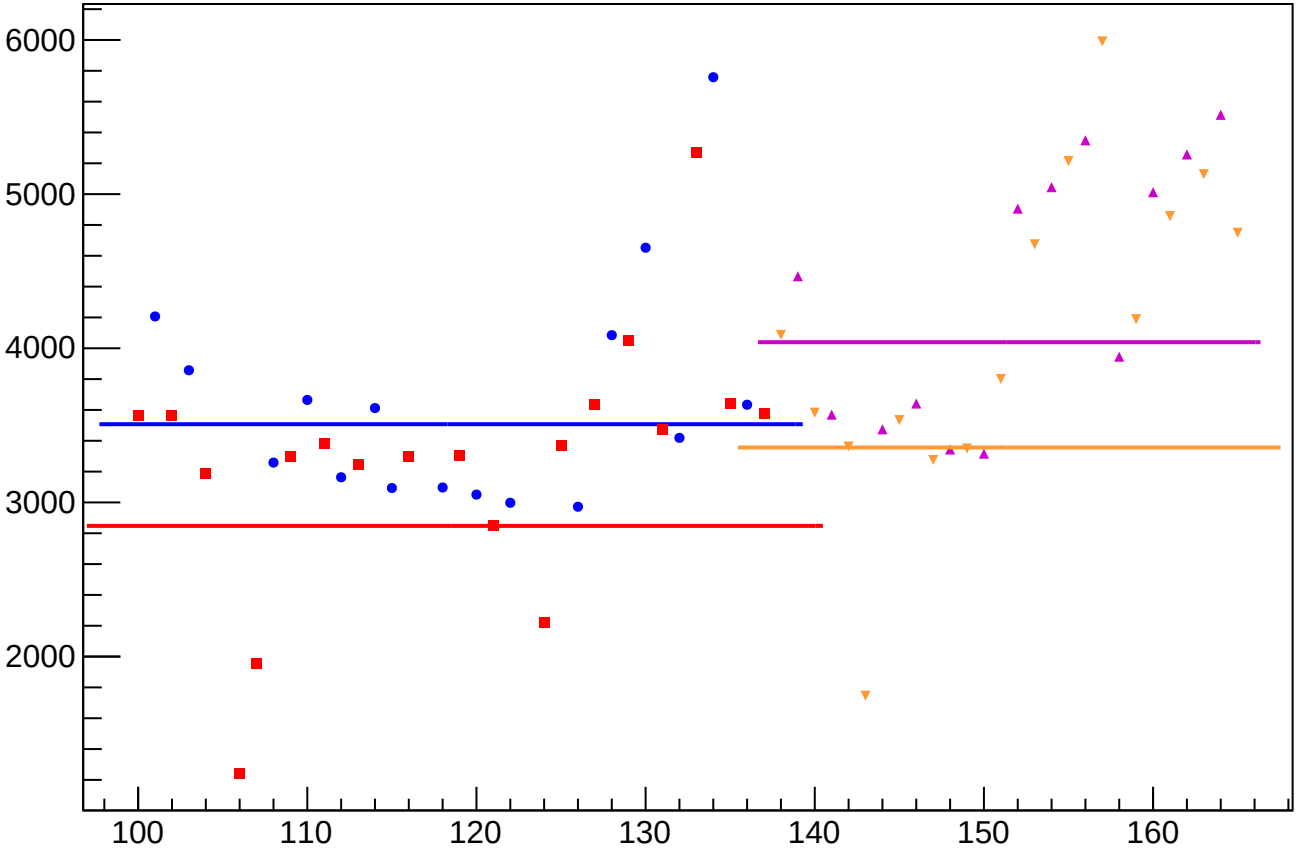
In: 1283.931+/-0.214 χ^2/NDF:529906.3/28

Out: 1298.606+/-0.211 χ^2/NDF:468746.5/33

All: 1291.375+/-0.151 χ^2/NDF: 1001028.9/62


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
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1148.780+/-1244.618 χ²/NDF:8.9/12
Left: -534.957+/-799.516 χ²/NDF: 28.2/27
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -202.552+/-907.254 χ²/NDF:24.2/28
Out: -91.346+/-760.528 χ²/NDF:37.2/33
All: -137.241+/-582.835 χ²/NDF: 61.4/62

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

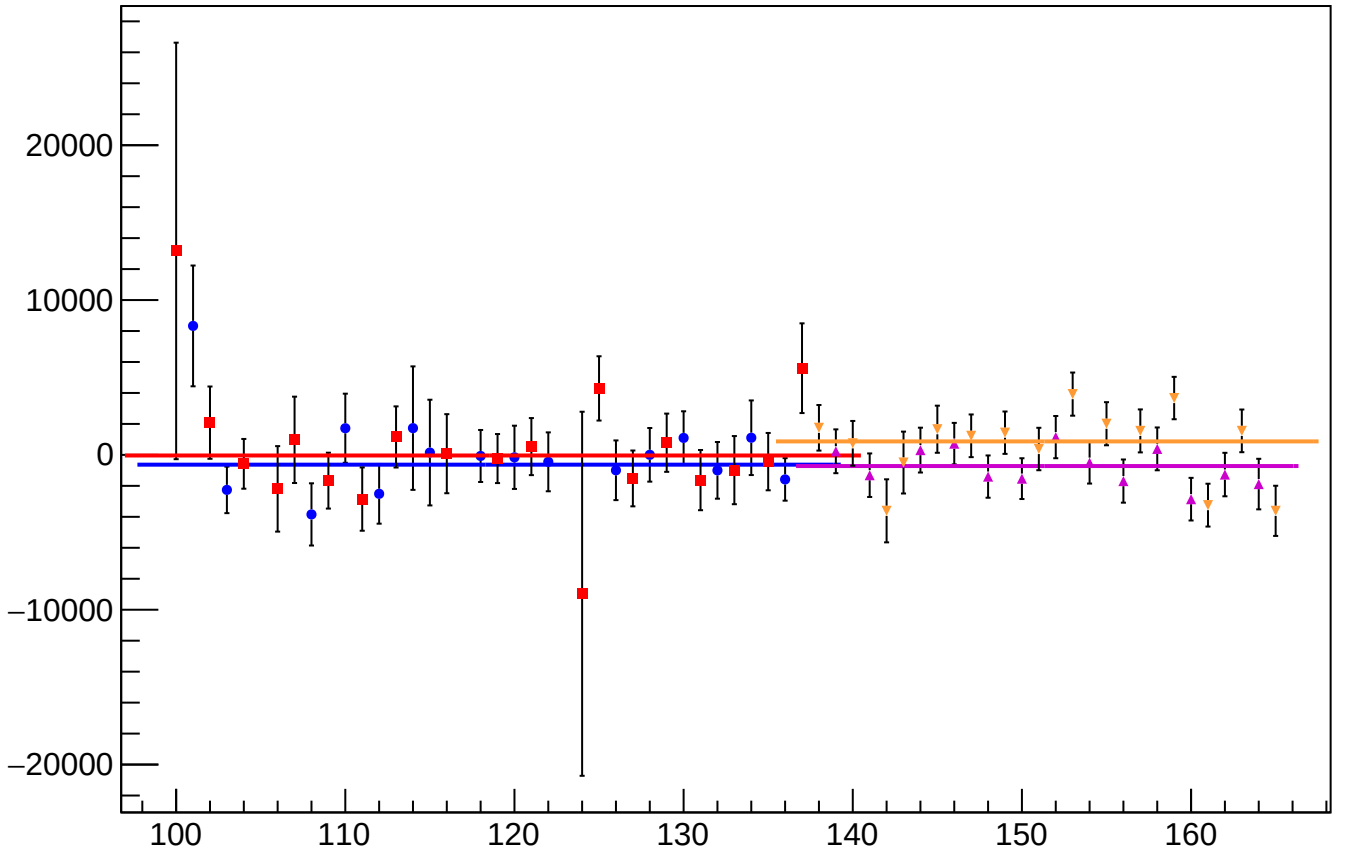
Left: 3638.354+/-0.565 χ^2/NDF: 3718589.2/27

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3790.098+/-0.642 χ^2/NDF:1252946.6/28

Out: 3118.208+/-0.538 χ^2/NDF:4359502.7/33

All: 3395.496+/-0.412 χ^2/NDF: 6256663.1/62



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

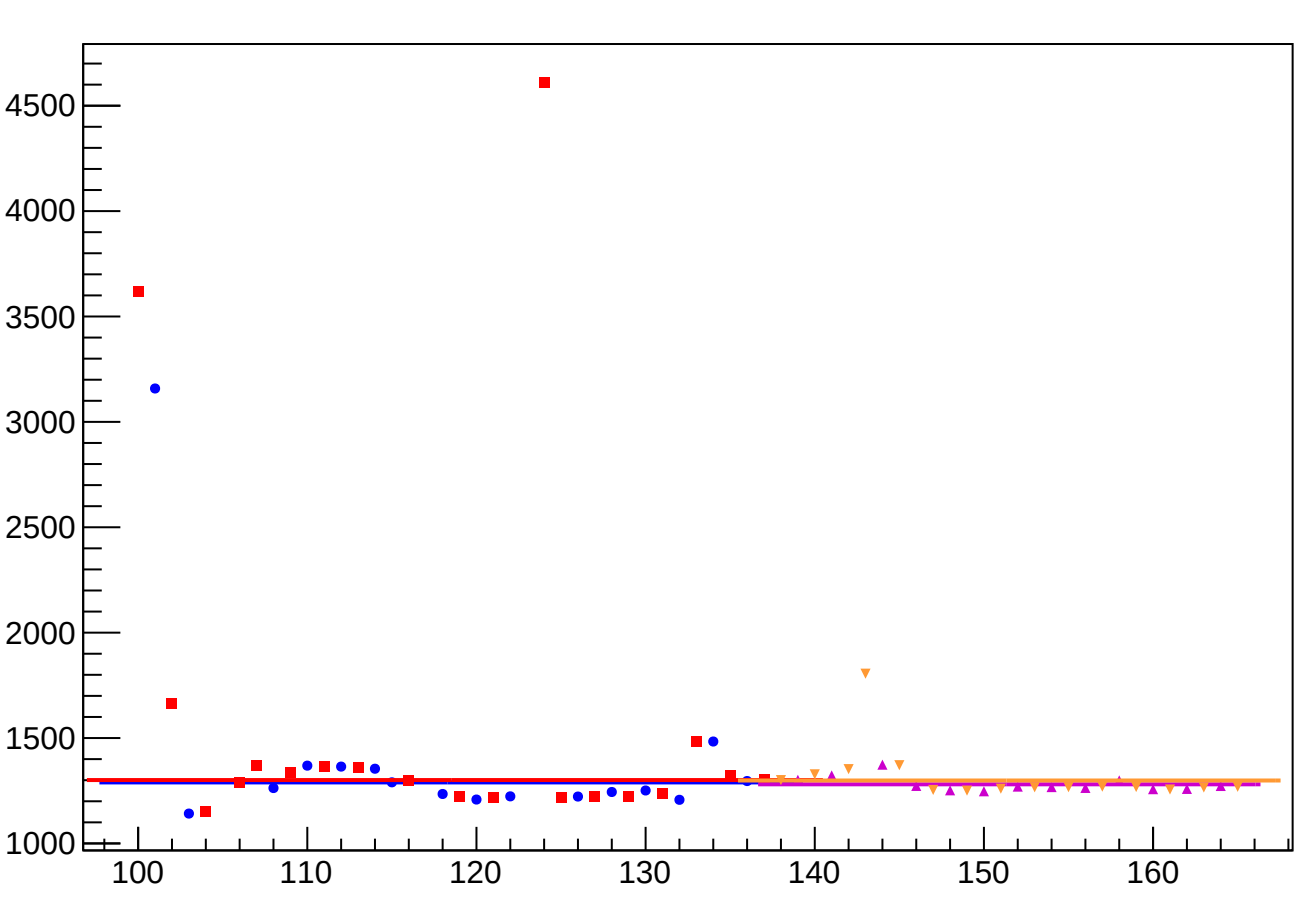
Left: 91.735+/-270.596 χ^2/NDF: 50.7/27

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -70.480+/-212.995 χ^2/NDF: 82.5/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

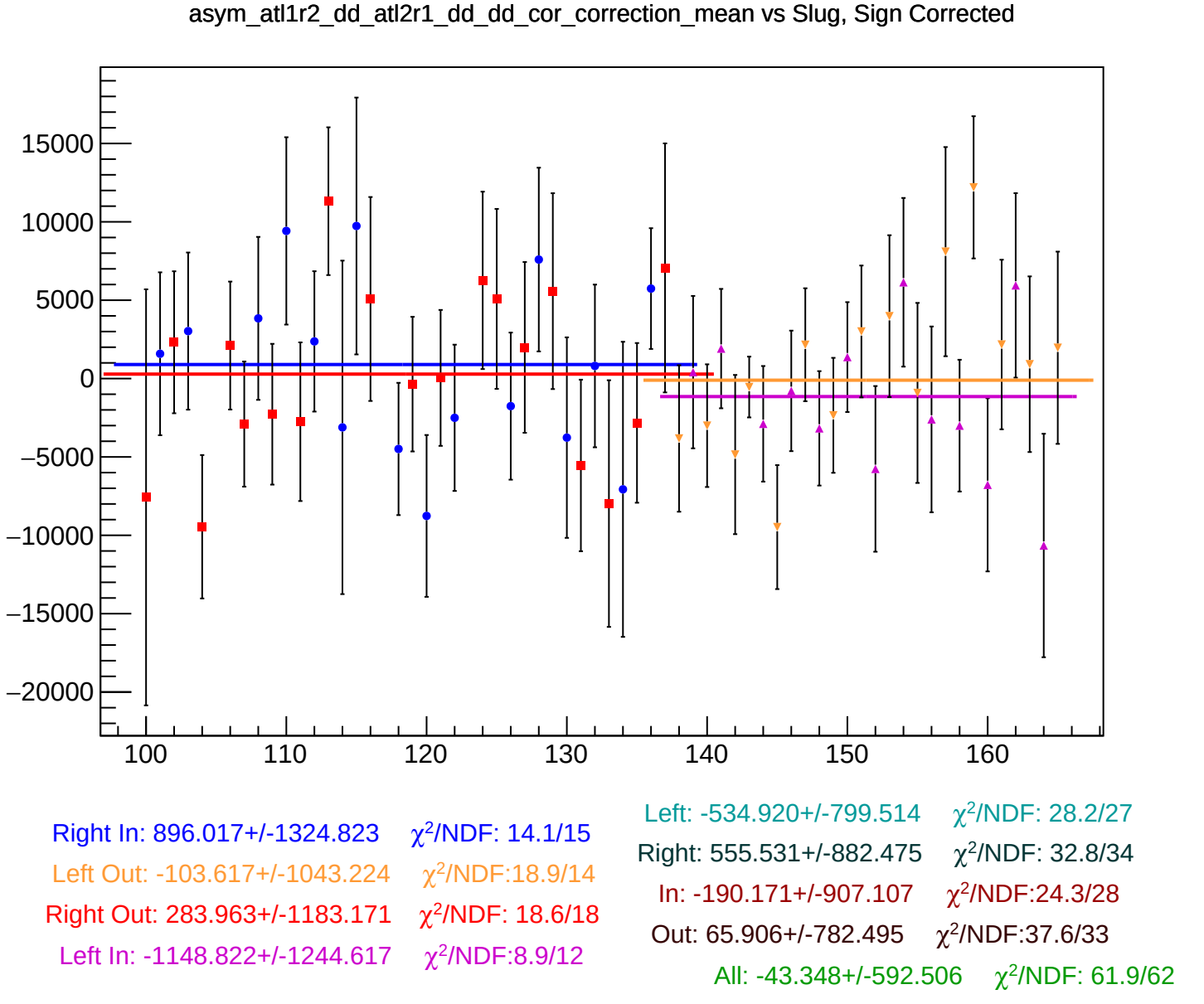
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
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−10000
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120
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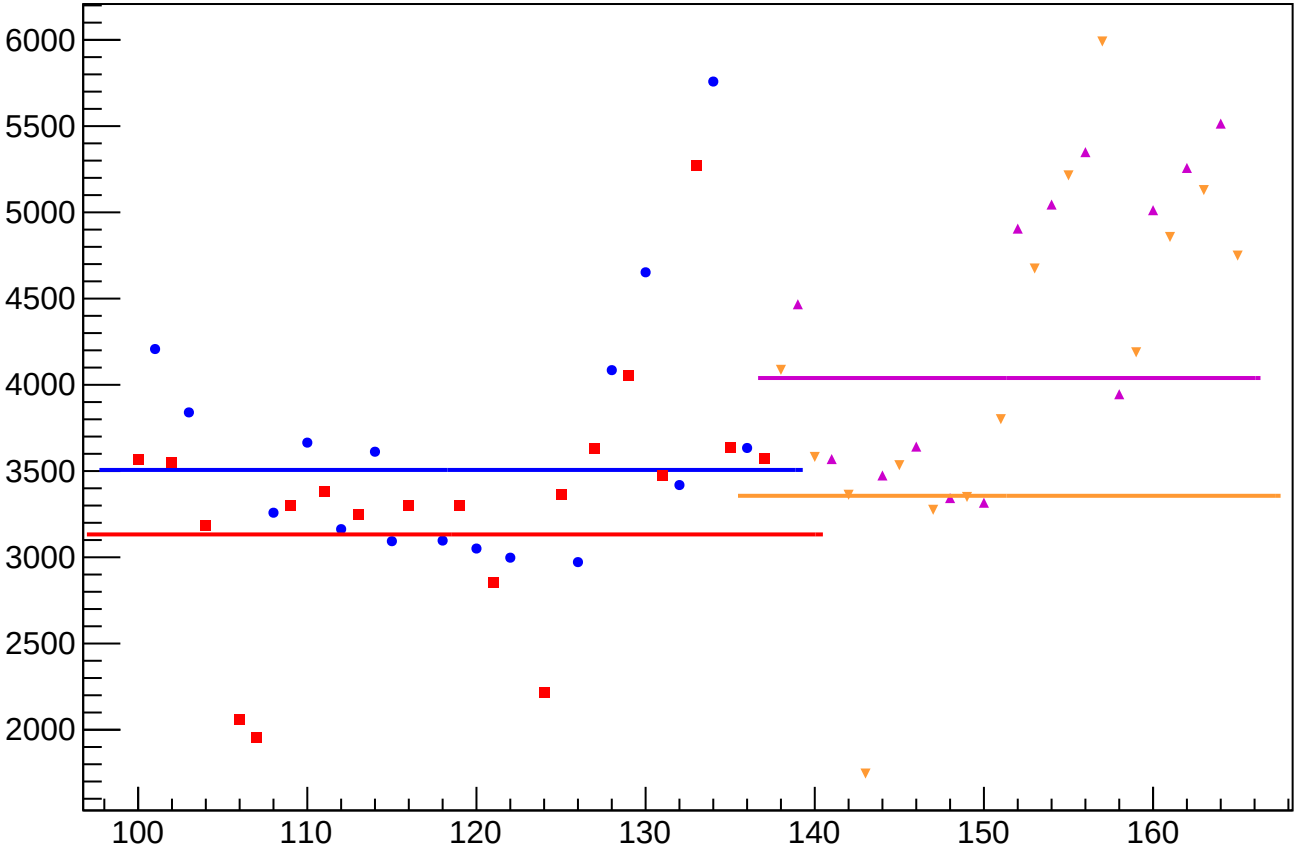
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -534.920+/-799.514 χ²/NDF: 28.2/27
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -43.348+/-592.506 χ²/NDF: 61.9/62

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: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

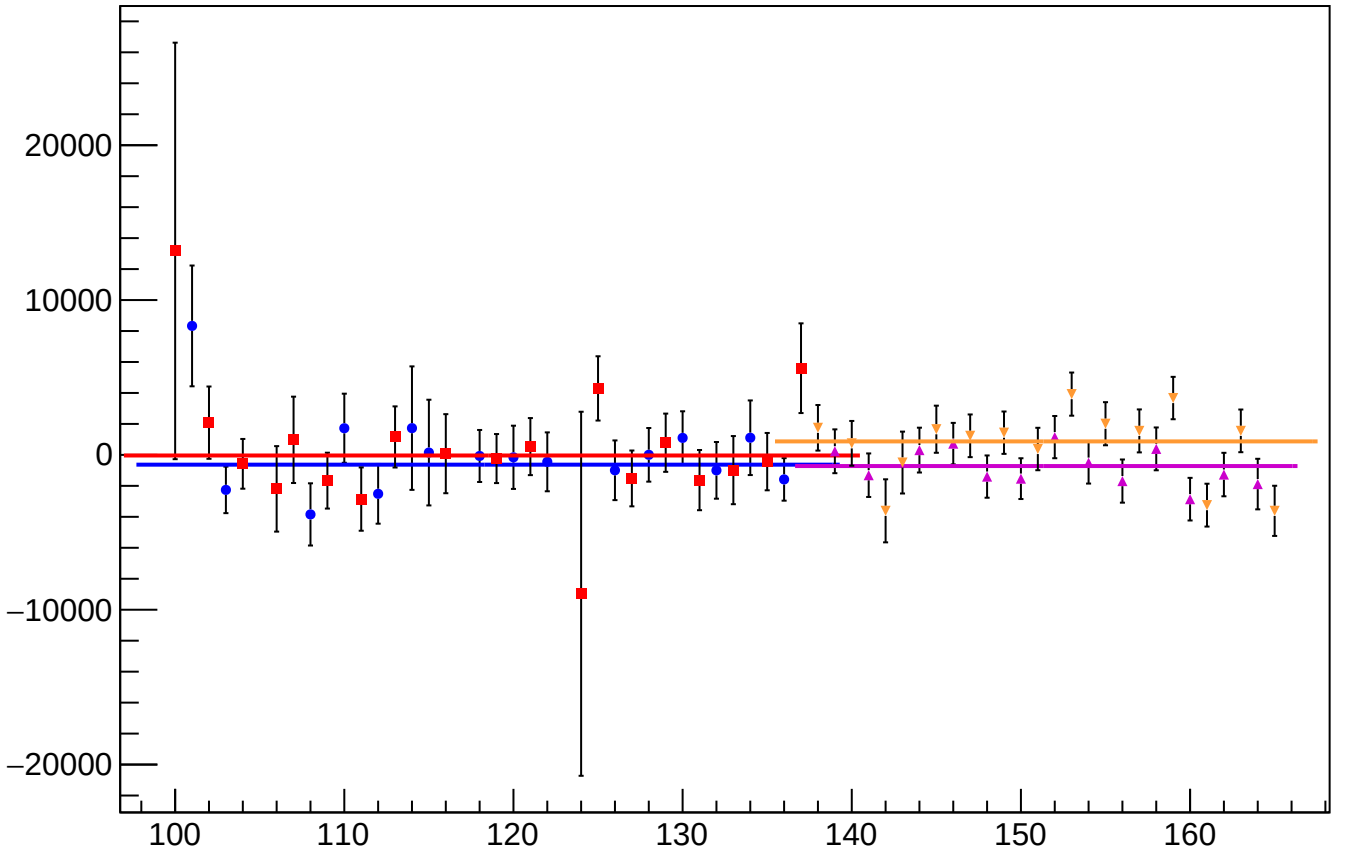
Left: 3638.345+/-0.565 χ^2/NDF: 3718621.0/27

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

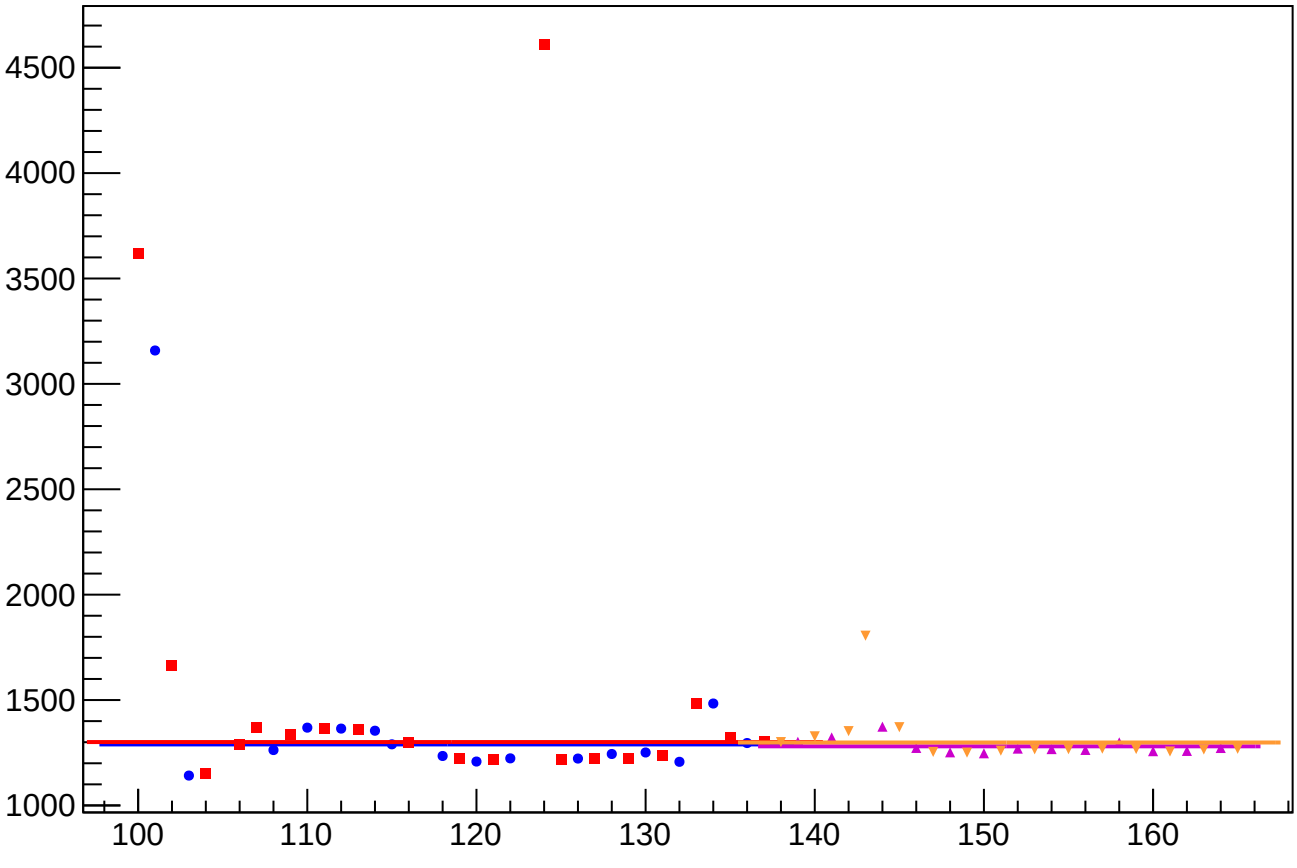
Left: 91.735+/-270.596 χ^2/NDF: 50.7/27

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -70.480+/-212.995 χ^2/NDF: 82.5/62



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

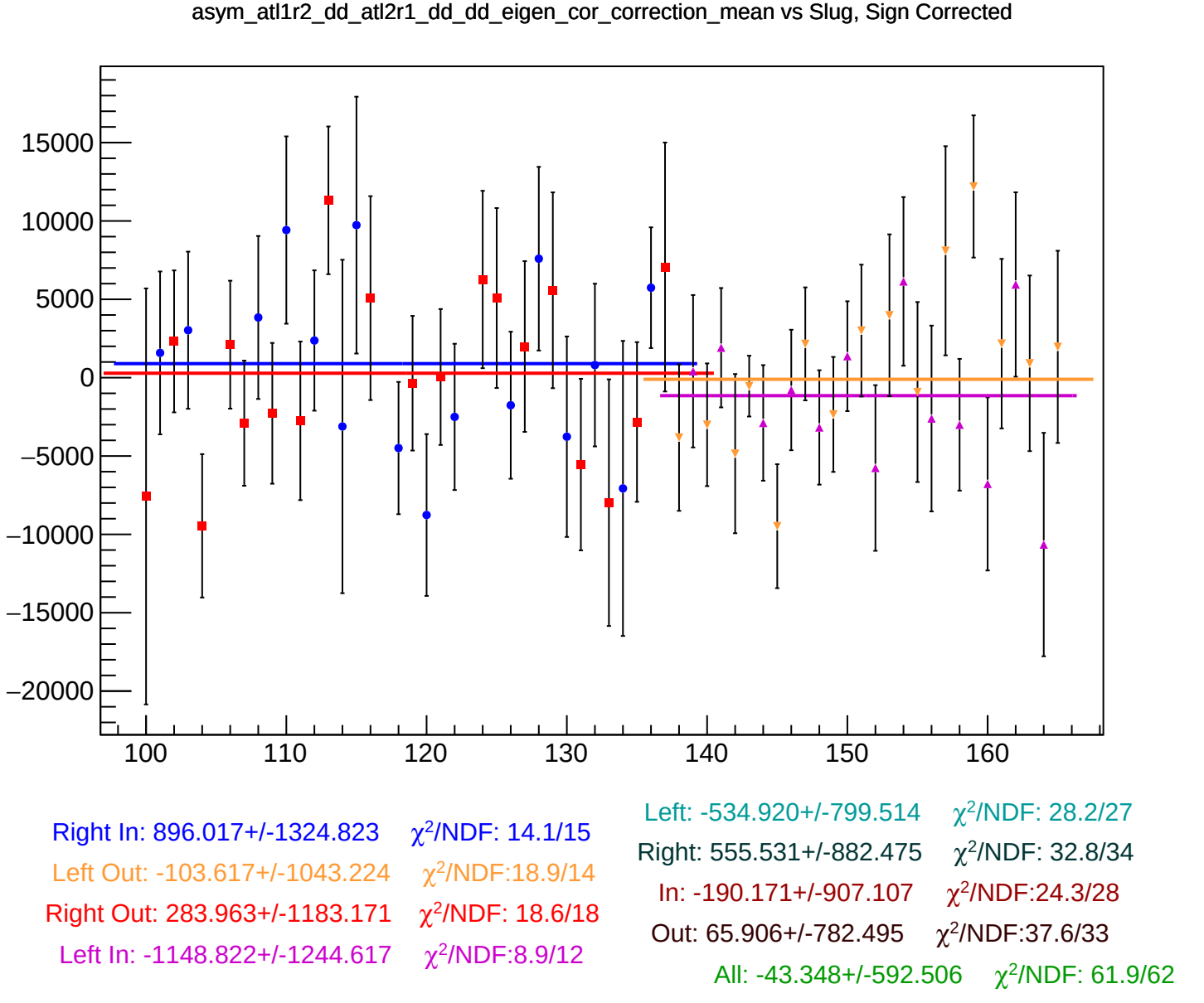
Left: 1289.708+/-0.191 χ^2/NDF: 166424.6/27

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−20000
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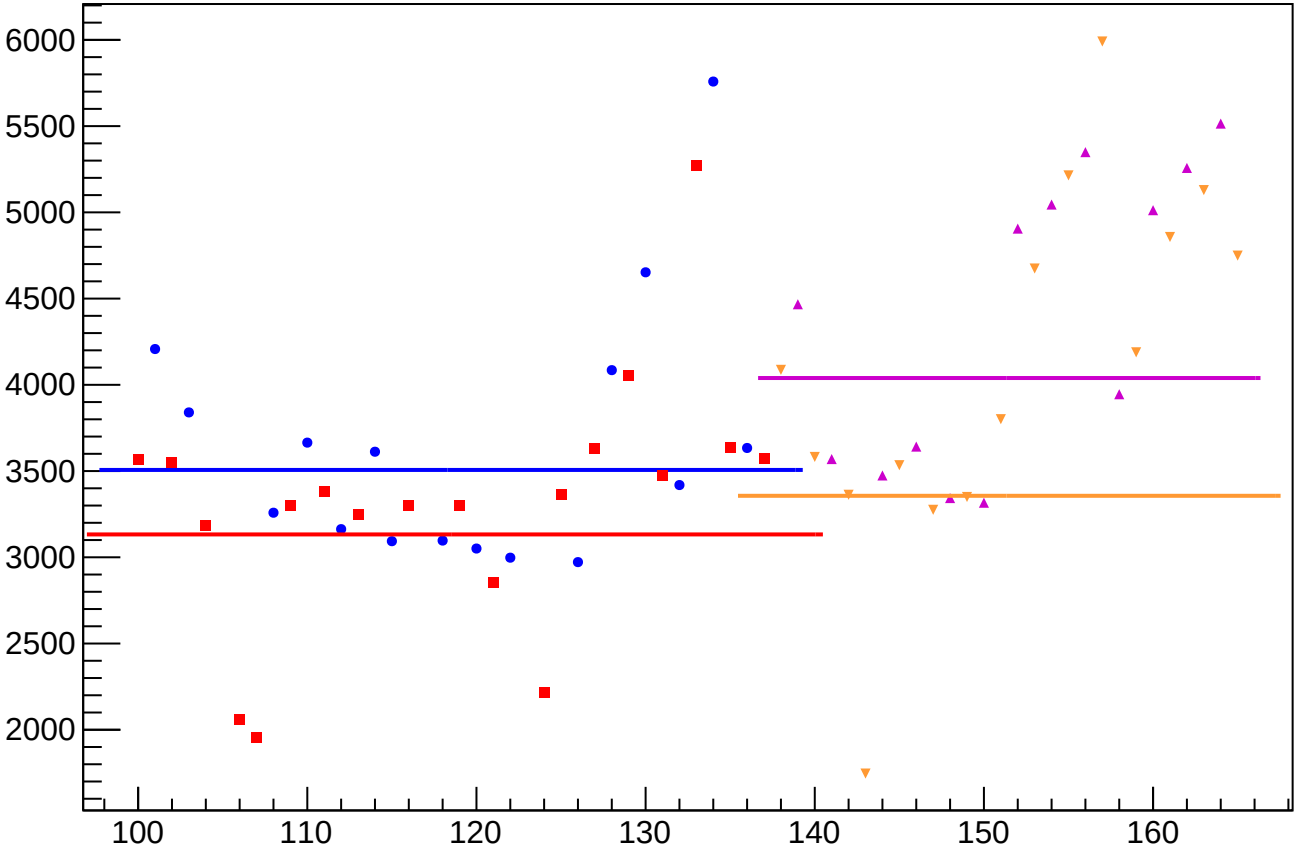
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -534.920+/-799.514 χ²/NDF: 28.2/27
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -43.348+/-592.506 χ²/NDF: 61.9/62

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: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

Left: 3638.345+/-0.565 χ^2/NDF: 3718621.0/27

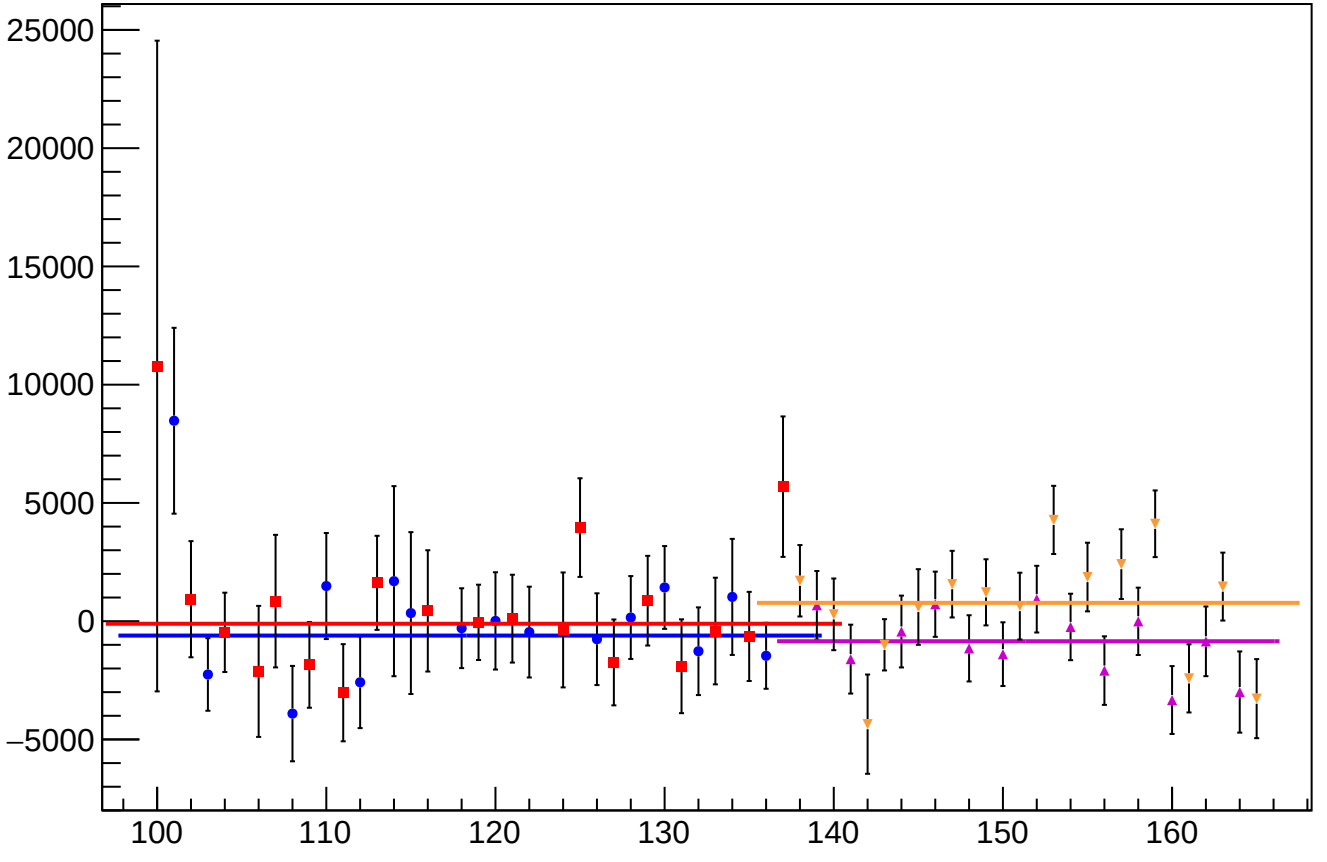
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

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: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -847.227+/-400.519 χ^2/NDF:10.4/12

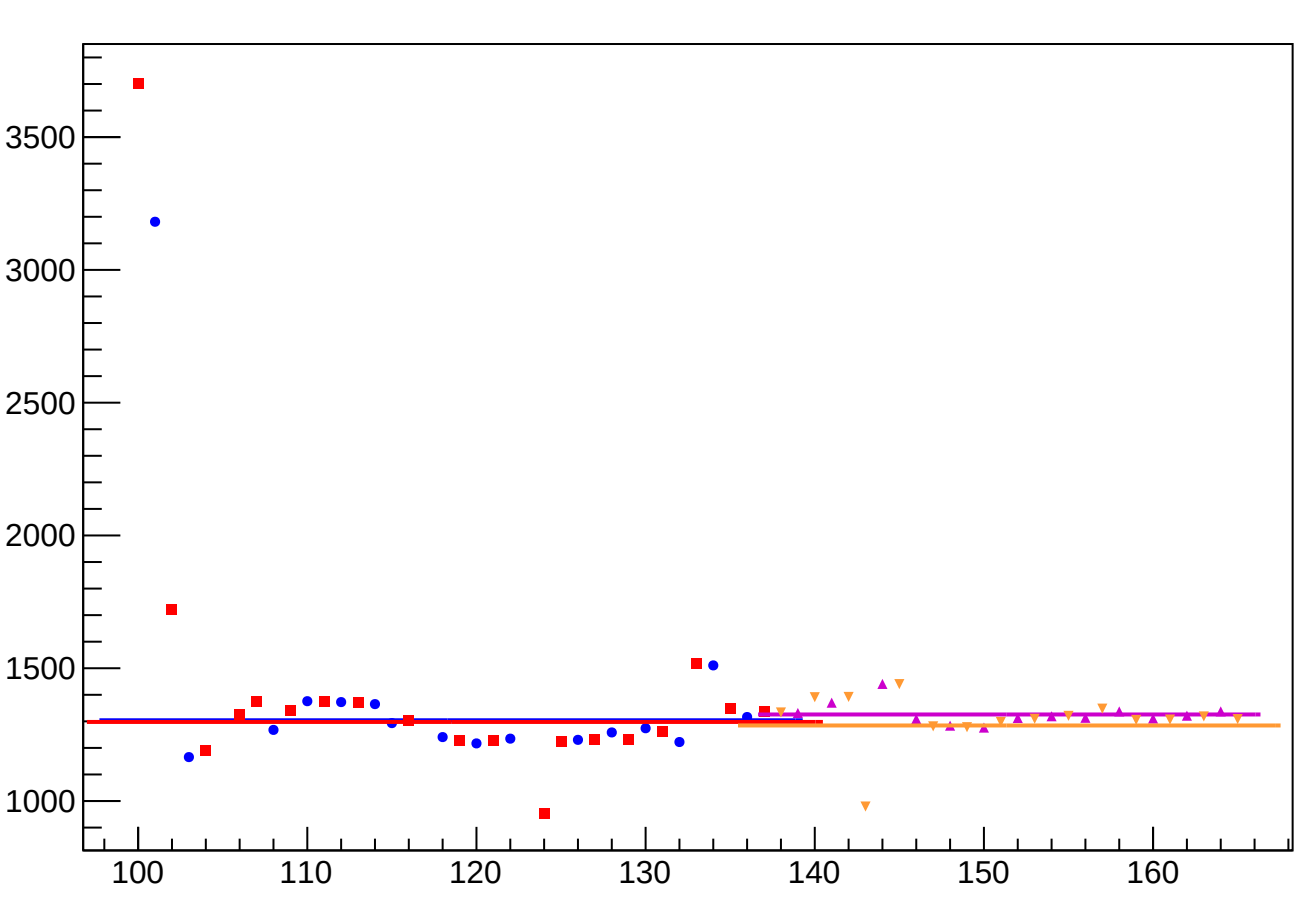
Left: 16.882+/-273.798 χ^2/NDF: 53.0/27

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -752.319+/-311.157 χ^2/NDF:24.6/28

Out: 444.684+/-296.862 χ^2/NDF:50.9/33

All: -125.689+/-214.789 χ^2/NDF: 83.3/62



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

Left: 1303.864+/-0.194 χ^2/NDF: 233461.9/27

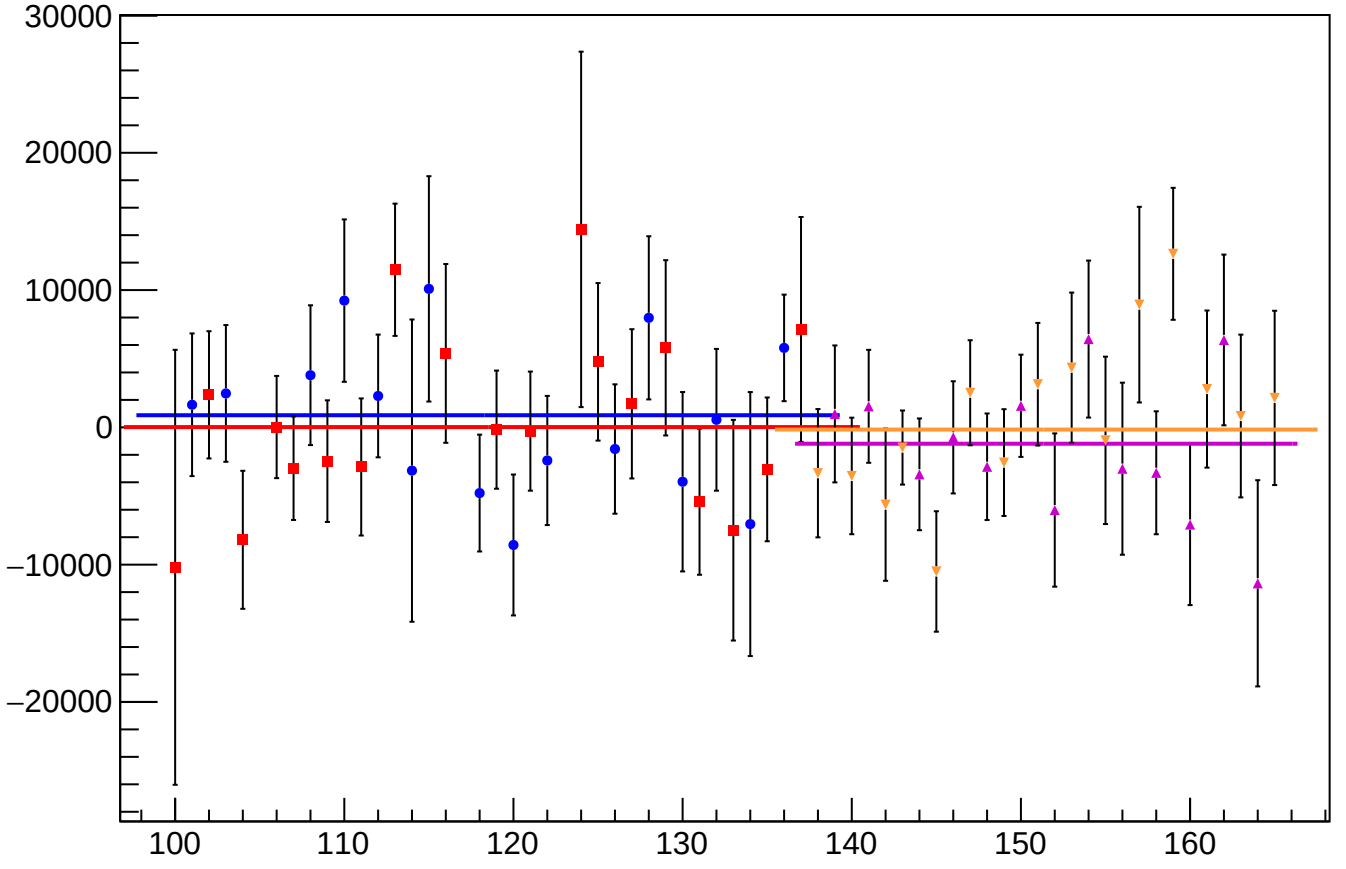
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.278+/-0.220 χ^2/NDF:531960.9/28

Out: 1289.477+/-0.210 χ^2/NDF:417083.4/33

All: 1302.720+/-0.152 χ^2/NDF: 957404.8/62

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: -160.912+/-1182.786 χ^2/NDF:19.1/14

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1191.323+/-1325.927 χ^2/NDF:8.8/12

Left: -617.515+/-882.641 χ^2/NDF: 28.3/27

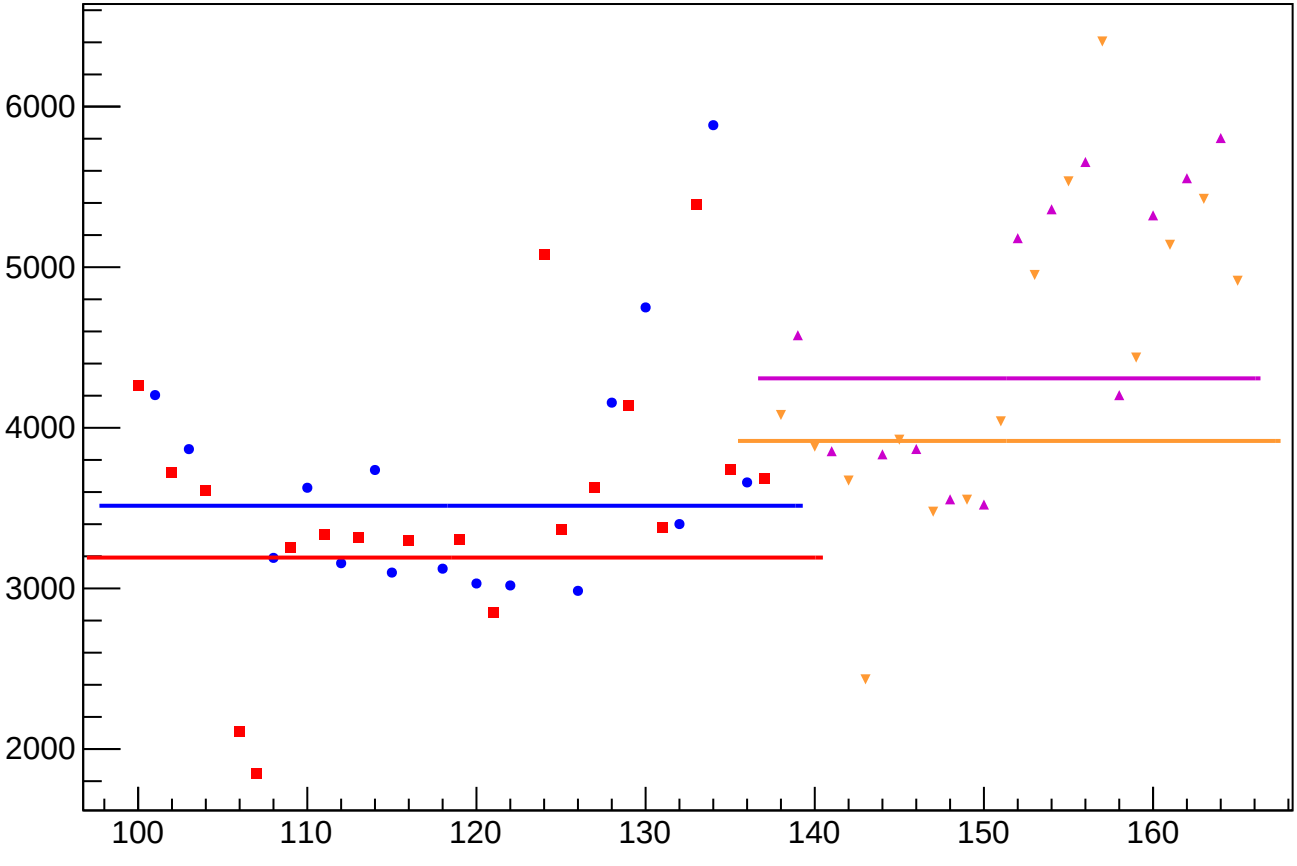
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -154.784+/-938.092 χ^2/NDF:24.2/28

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -108.638+/-626.768 χ^2/NDF: 60.1/62

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

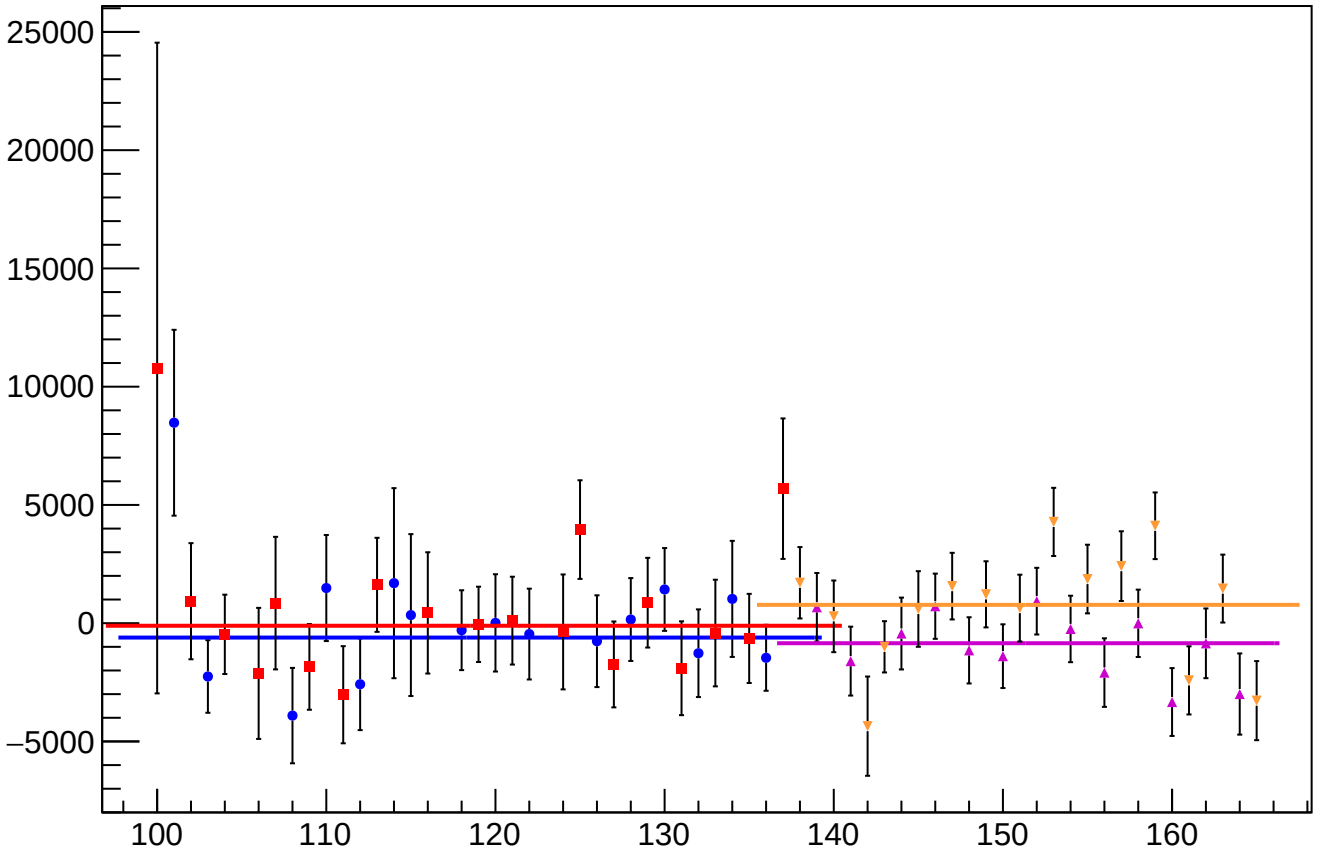
Left: 4090.960+/-0.624 χ^2/NDF: 2176952.5/27

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3911.771+/-0.663 χ^2/NDF:1406956.8/28

Out: 3560.511+/-0.596 χ^2/NDF:2550288.0/33

All: 3717.313+/-0.443 χ^2/NDF: 4112480.8/62



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -847.228+/-400.519 χ^2/NDF:10.4/12

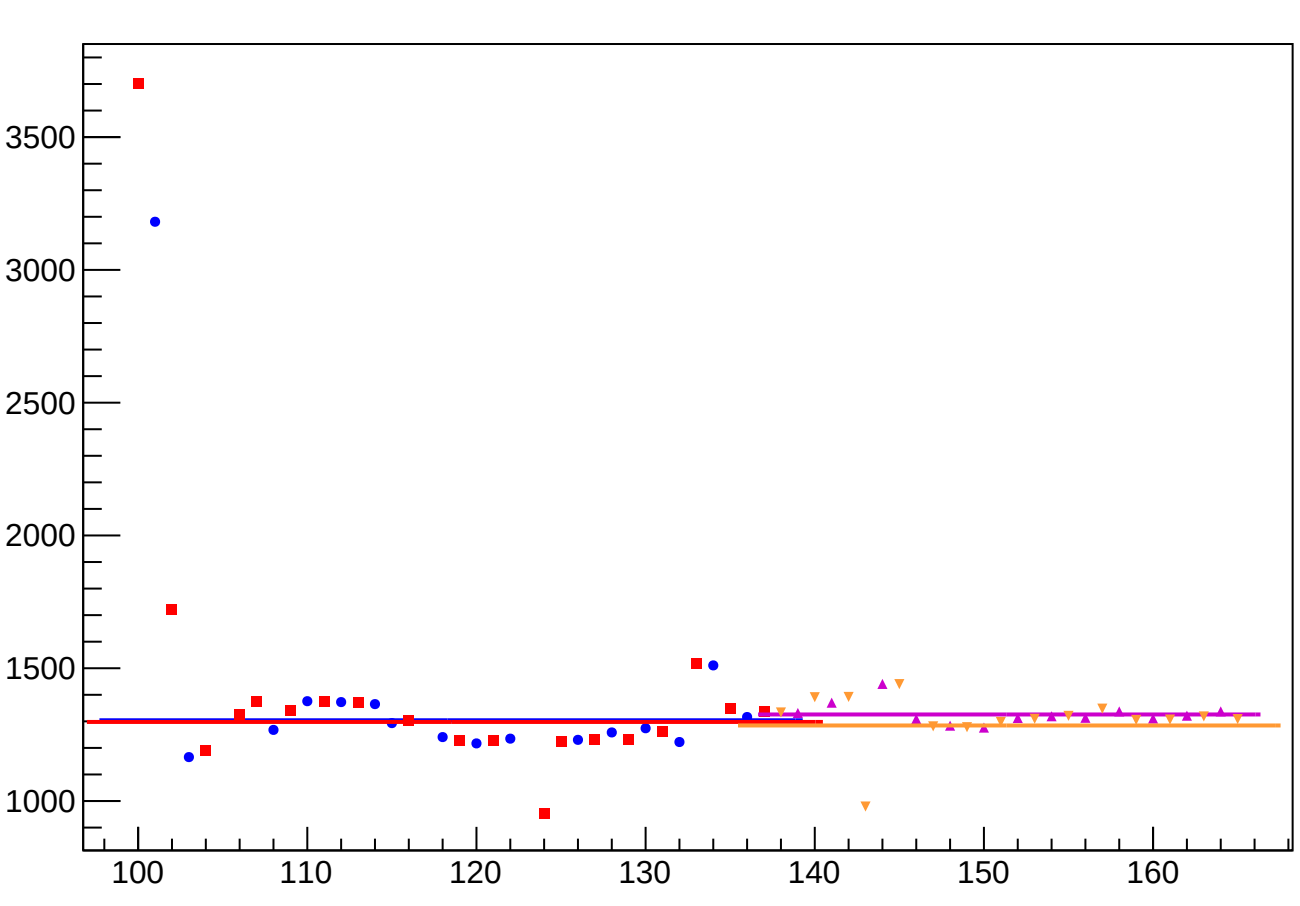
Left: 16.885+/-273.798 χ^2/NDF: 53.0/27

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -752.321+/-311.158 χ^2/NDF:24.6/28

Out: 444.686+/-296.862 χ^2/NDF:50.9/33

All: -125.689+/-214.789 χ^2/NDF: 83.3/62



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

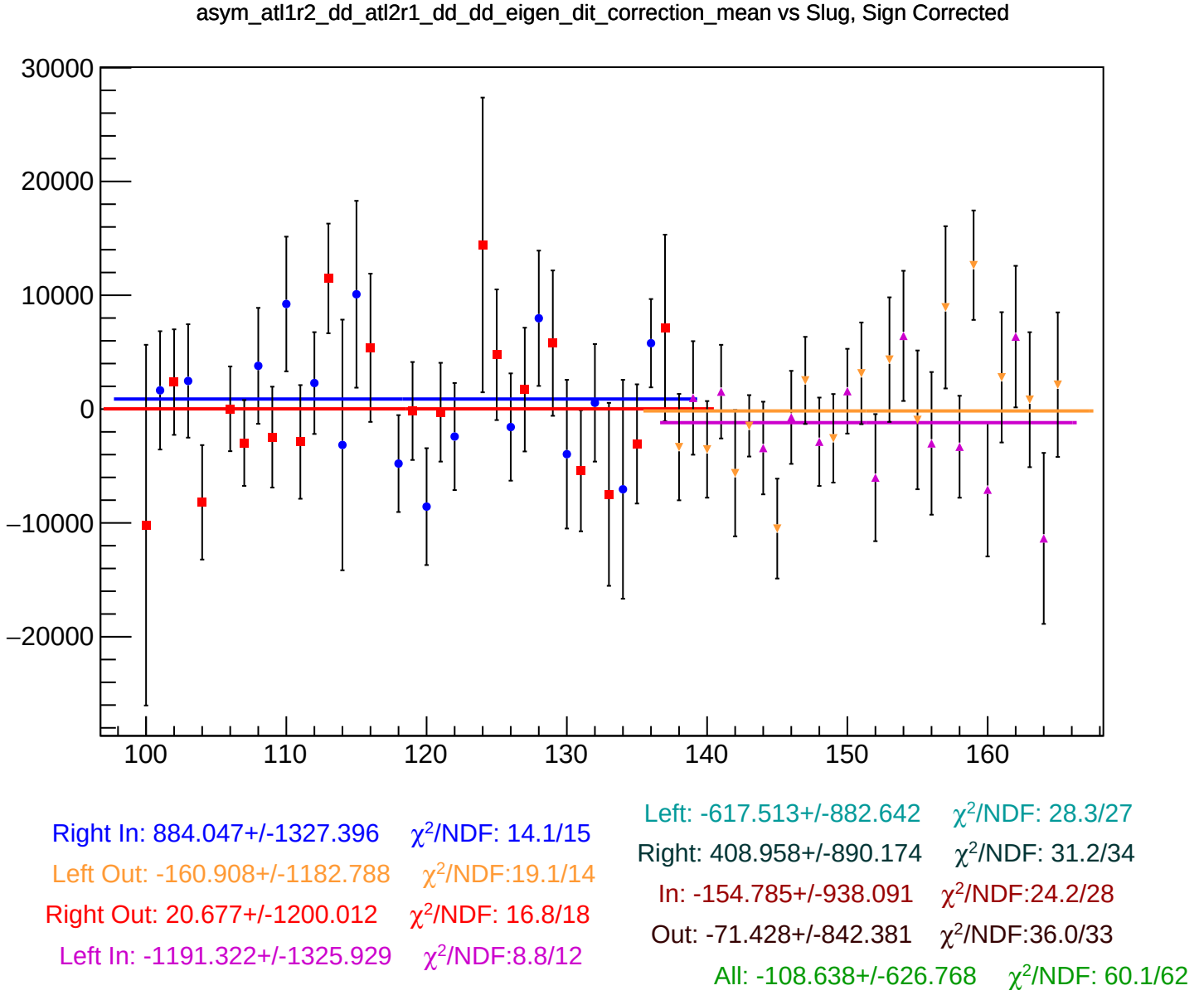
Left: 1303.866+/-0.194 χ^2/NDF: 233462.7/27

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

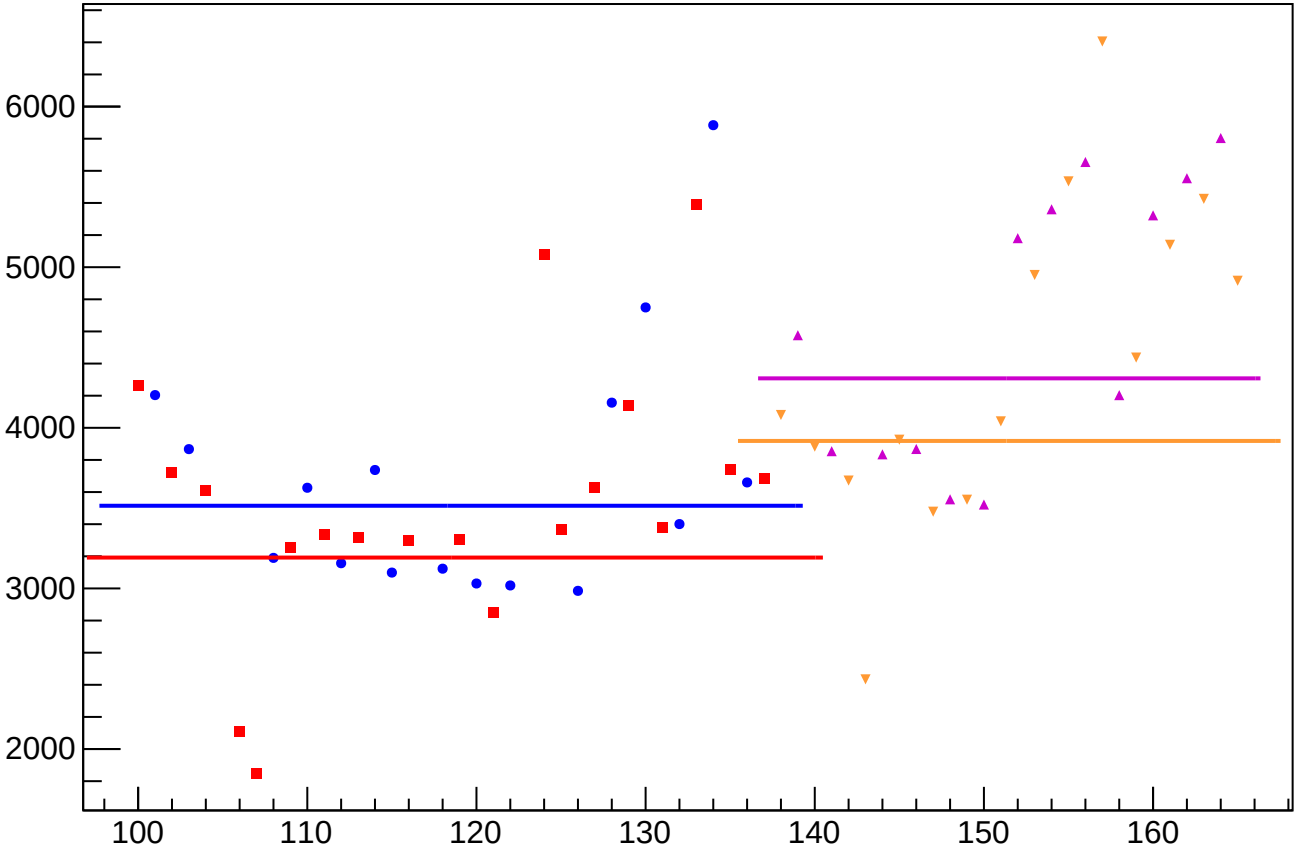
In: 1317.279+/-0.220 χ^2/NDF:531961.4/28

Out: 1289.478+/-0.210 χ^2/NDF:417084.1/33

All: 1302.721+/-0.152 χ^2/NDF: 957405.9/62


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
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -160.908+/-1182.788 χ²/NDF:19.1/14
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1191.322+/-1325.929 χ²/NDF:8.8/12
Left: -617.513+/-882.642 χ²/NDF: 28.3/27
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -154.785+/-938.091 χ²/NDF:24.2/28
Out: -71.428+/-842.381 χ²/NDF:36.0/33
All: -108.638+/-626.768 χ²/NDF: 60.1/62

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: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

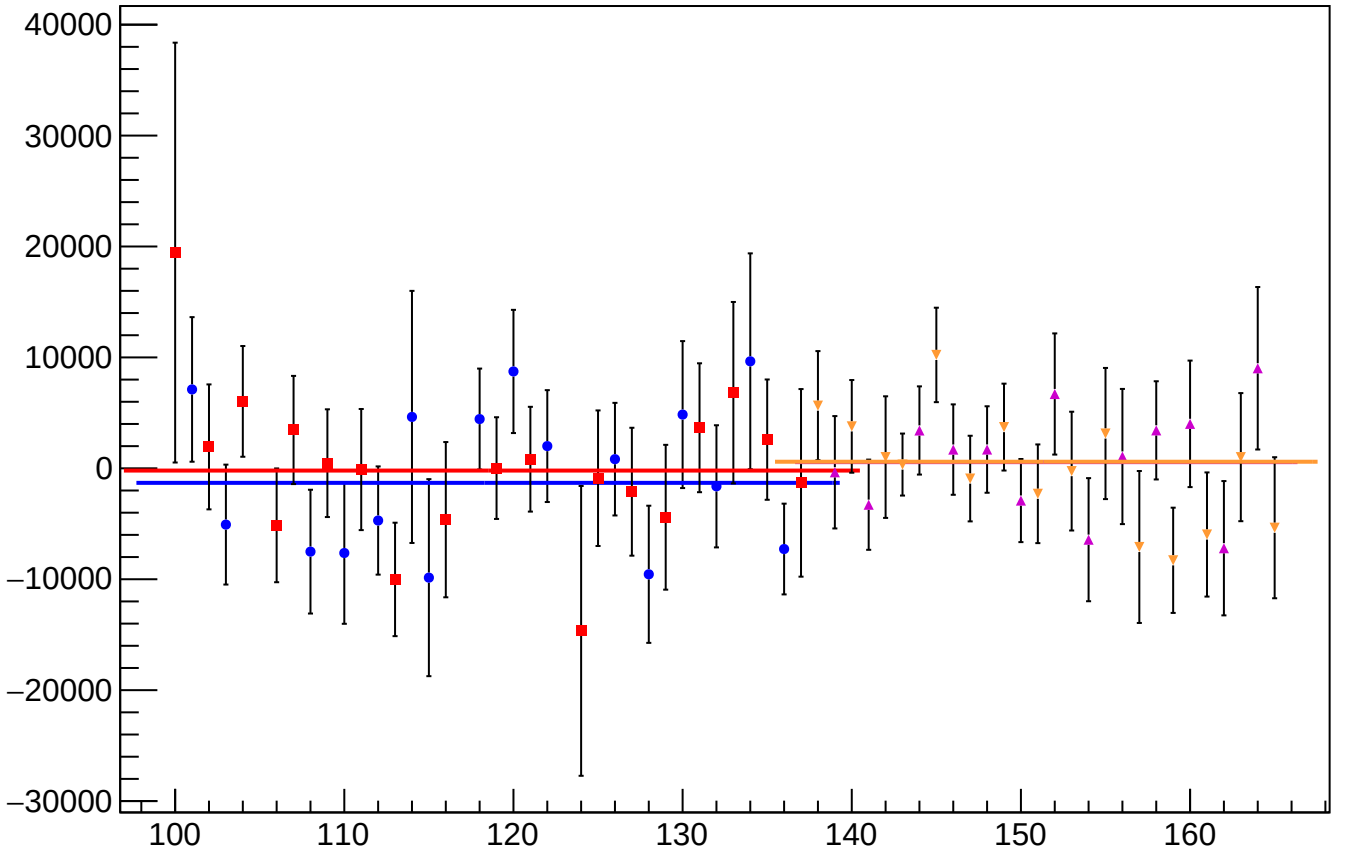
Left: 4090.966+/-0.624 χ^2/NDF: 2176955.8/27

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3911.768+/-0.663 χ^2/NDF:1406976.5/28

Out: 3560.509+/-0.596 χ^2/NDF:2550306.2/33

All: 3717.311+/-0.443 χ^2/NDF: 4112518.2/62



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 558.248+/-1312.498 χ^2/NDF:9.1/12

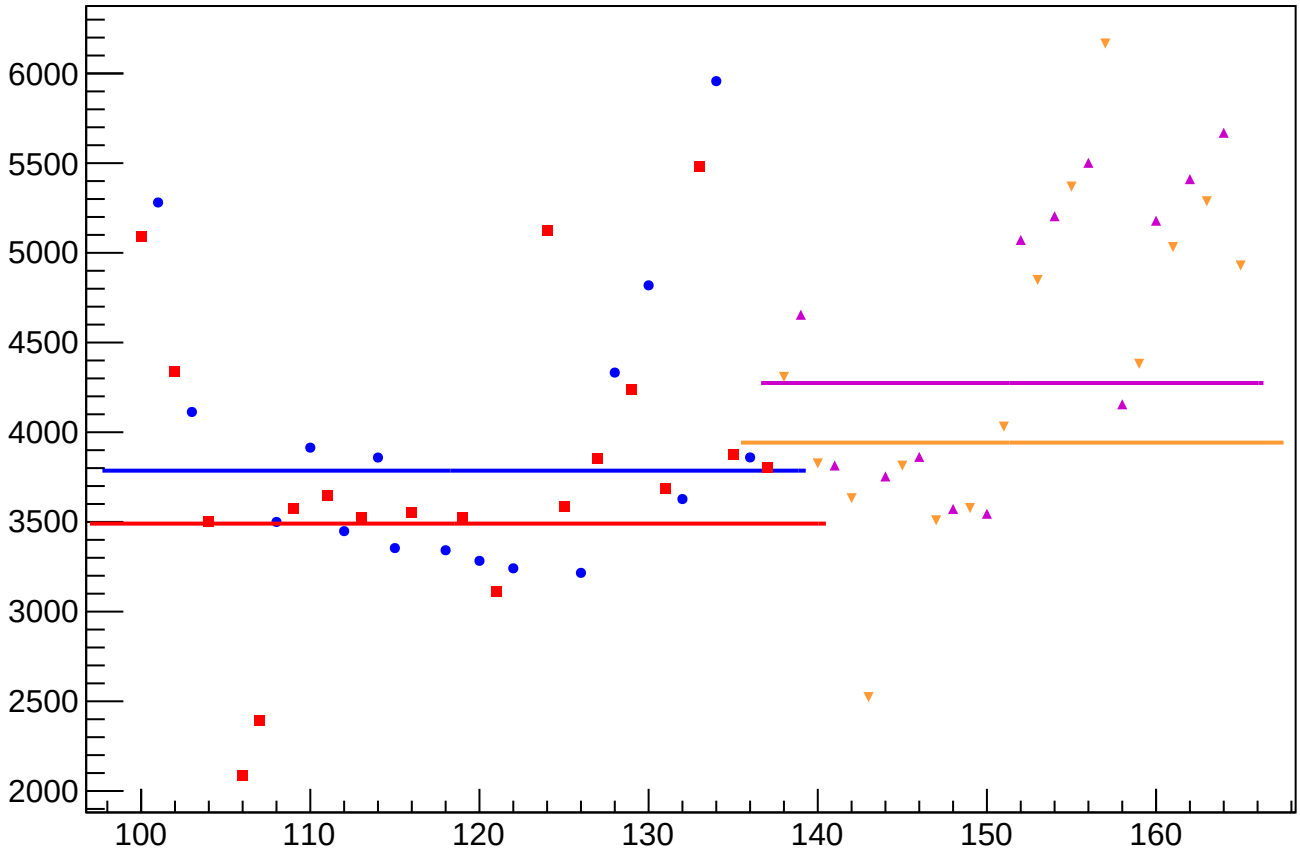
Left: 578.332+/-879.001 χ^2/NDF: 24.3/27

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -294.628+/-967.454 χ^2/NDF:27.6/28

Out: 244.524+/-885.975 χ^2/NDF:27.1/33

All: -1.396+/-653.389 χ^2/NDF: 54.8/62



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

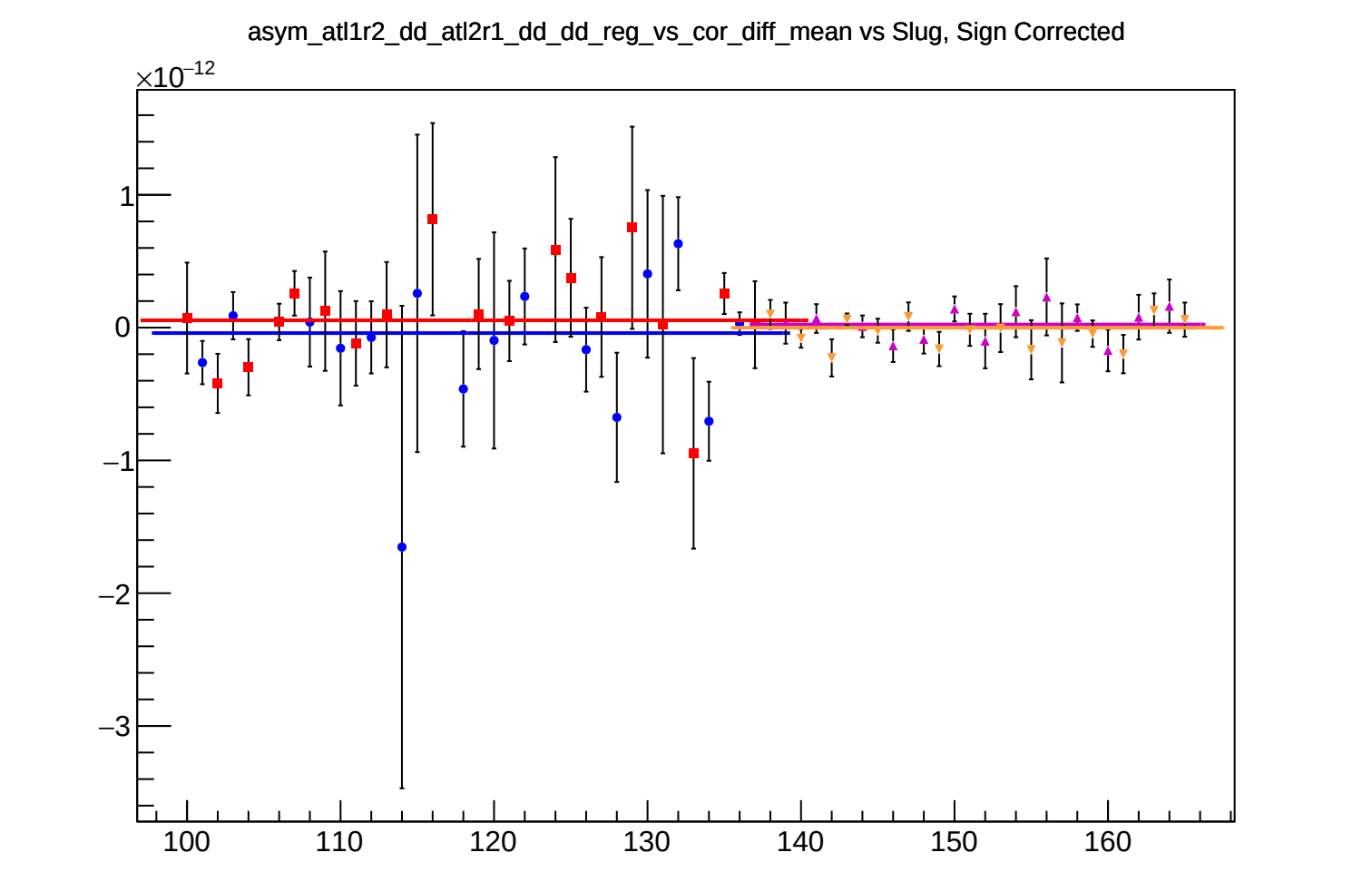
Left: 4091.210+/-0.622 χ^2/NDF: 1891820.4/27

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4051.247+/-0.684 χ^2/NDF:1116425.5/28

Out: 3740.583+/-0.623 χ^2/NDF:1931051.6/33

All: 3881.348+/-0.460 χ^2/NDF: 3160263.4/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

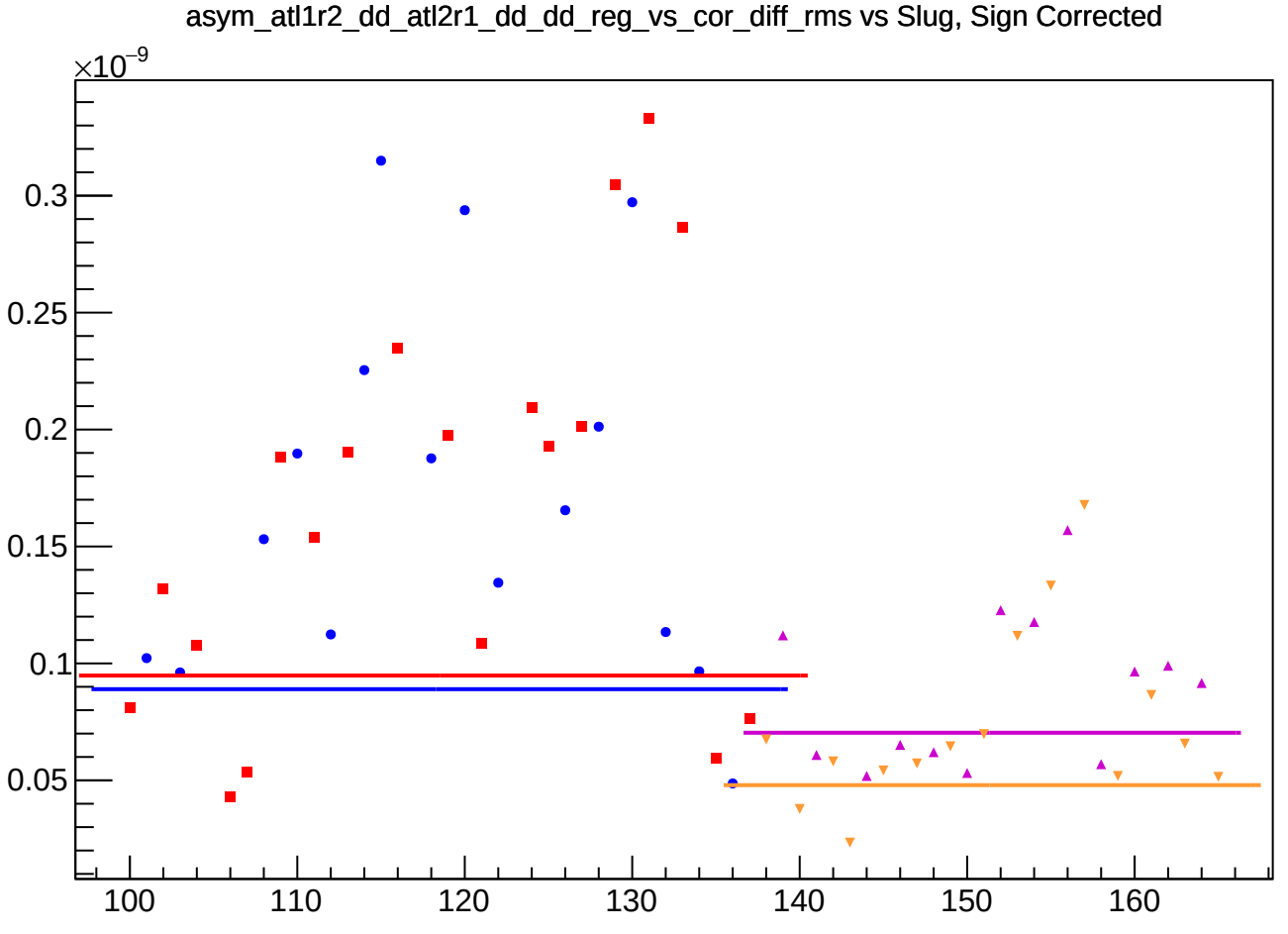
Left: 0.000+/-0.000 χ^2/NDF: 21.4/27

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.6/33

All: 0.000+/-0.000 χ^2/NDF: 55.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3389411.3/27

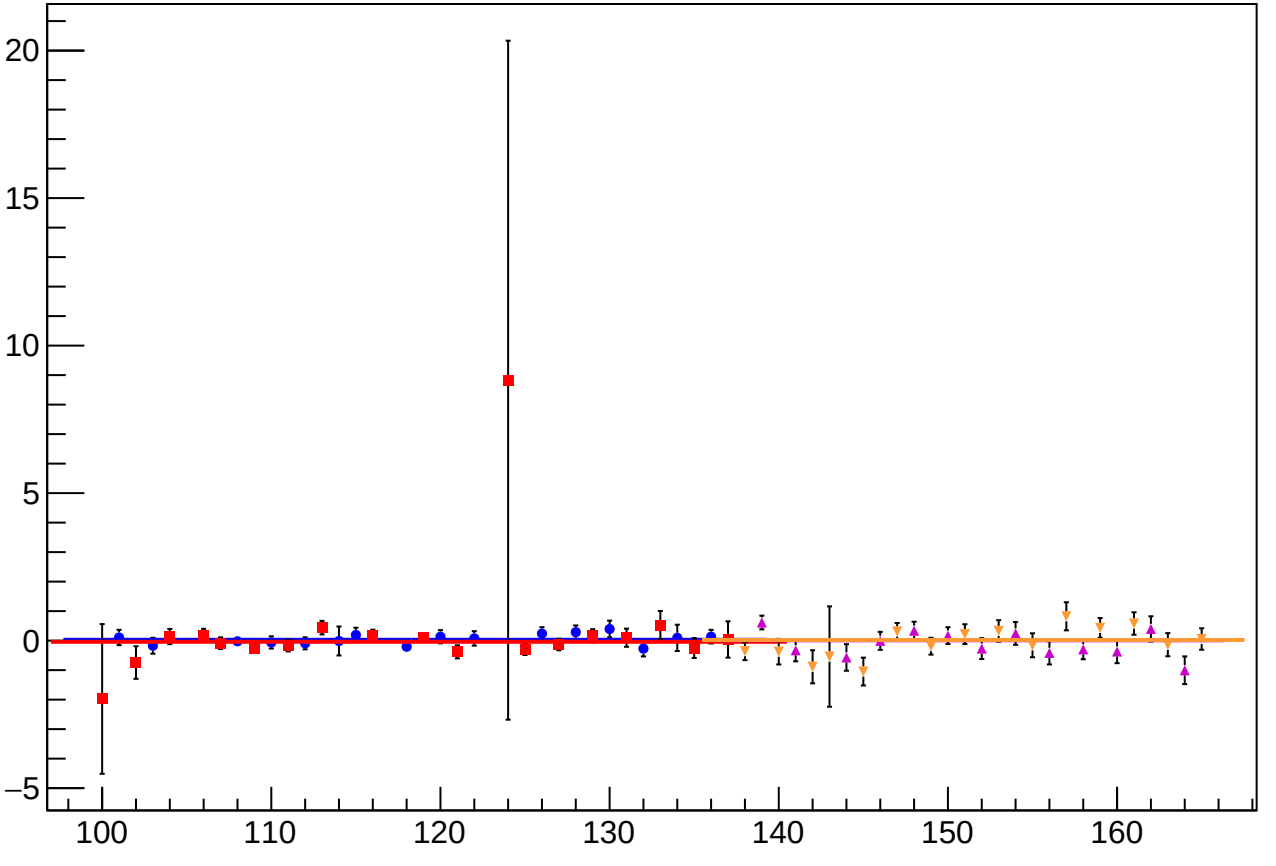
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2553869.1/28

Out: 0.000+/-0.000 χ^2/NDF:4574503.5/33

All: 0.000+/-0.000 χ^2/NDF: 7712705.1/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

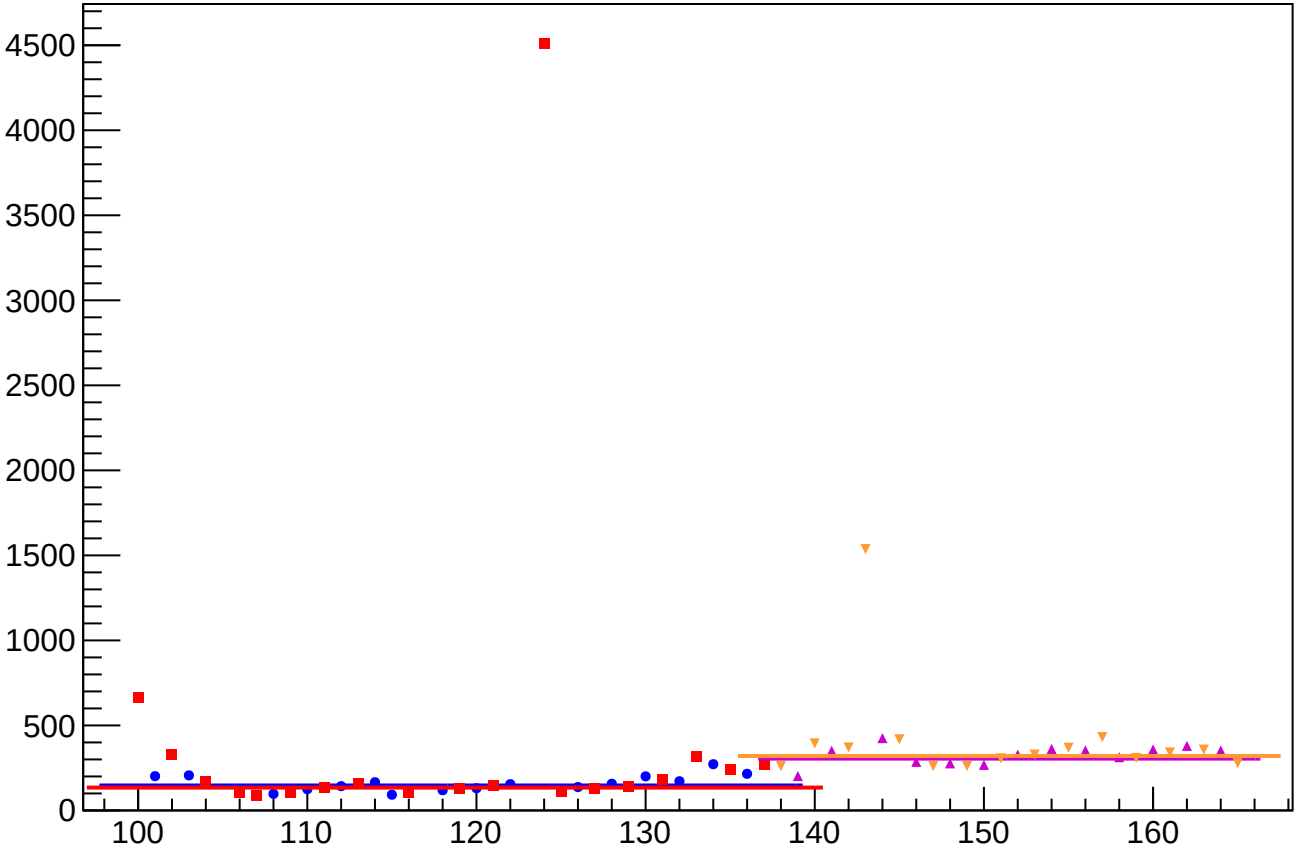
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 312.487+/-0.048 χ^2/NDF: 2473499.4/27

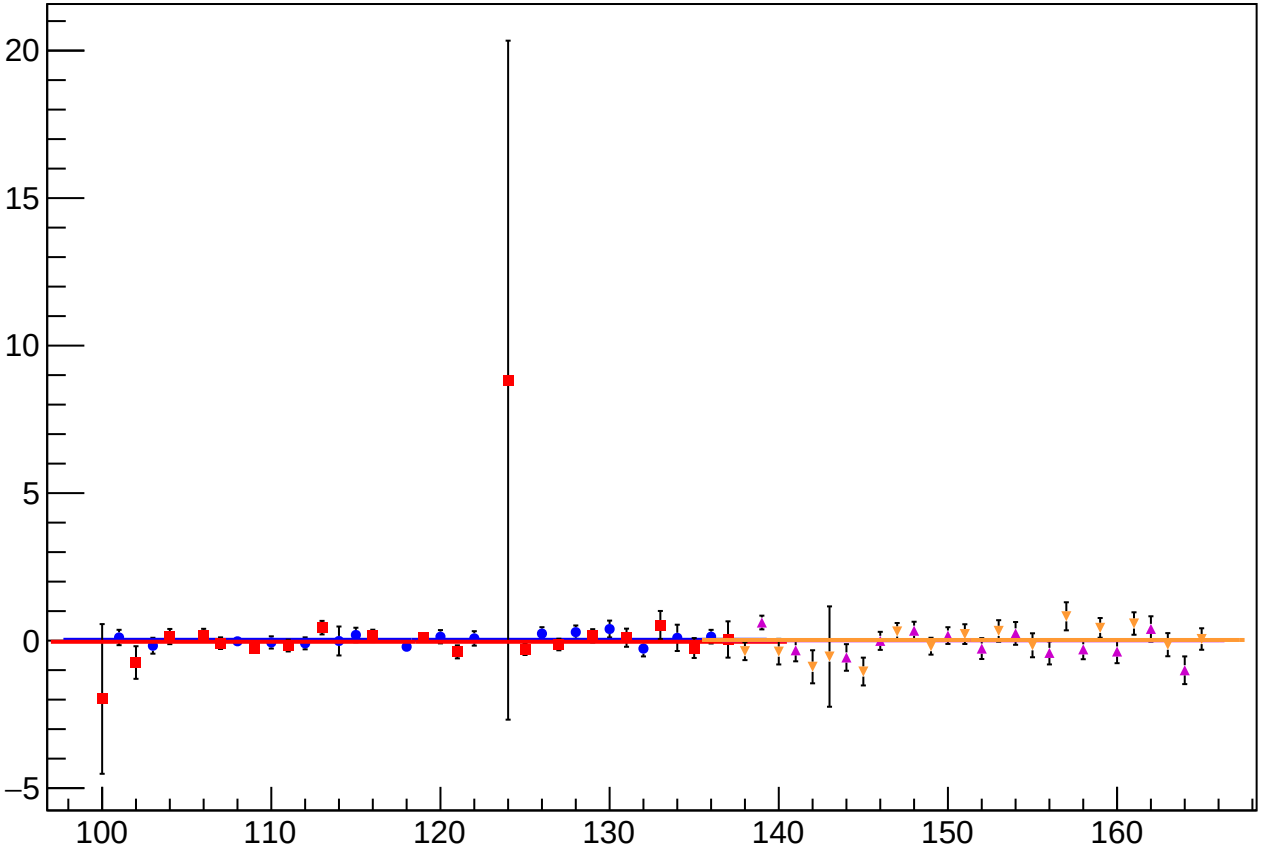
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

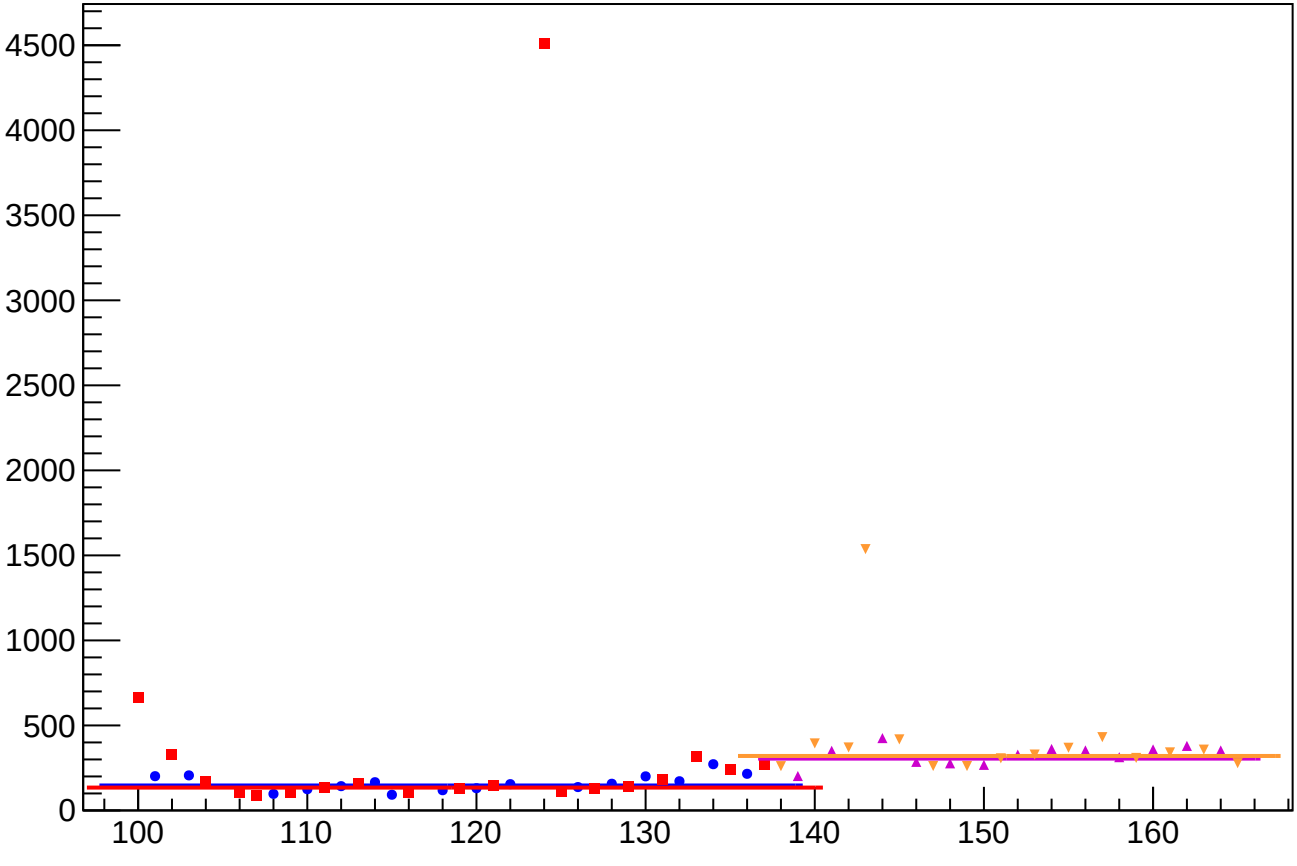
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 312.487+/-0.048 χ^2/NDF: 2473499.4/27

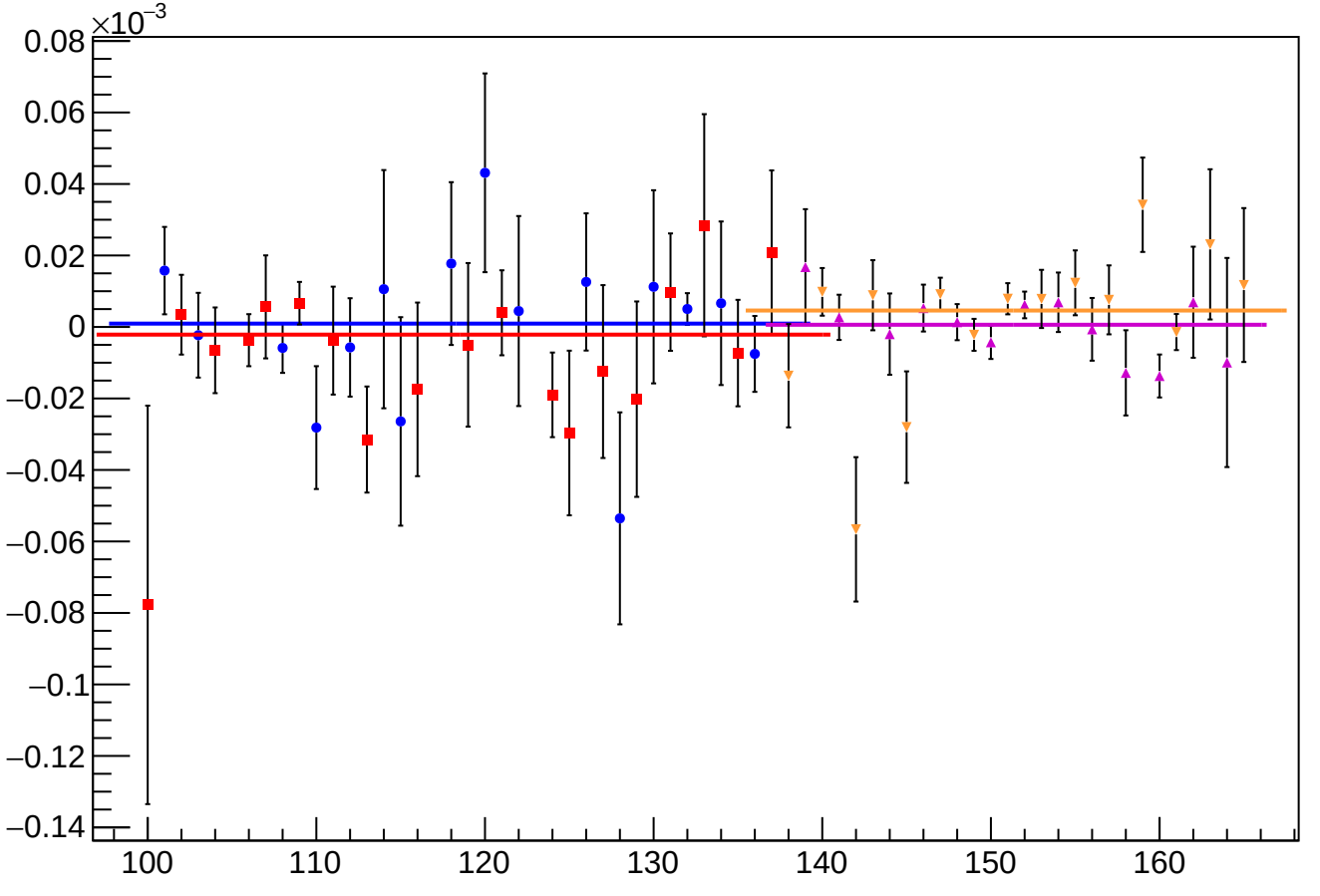
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

asym_atl1r2_dd_atl2r1_dd_dd_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:28.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/12

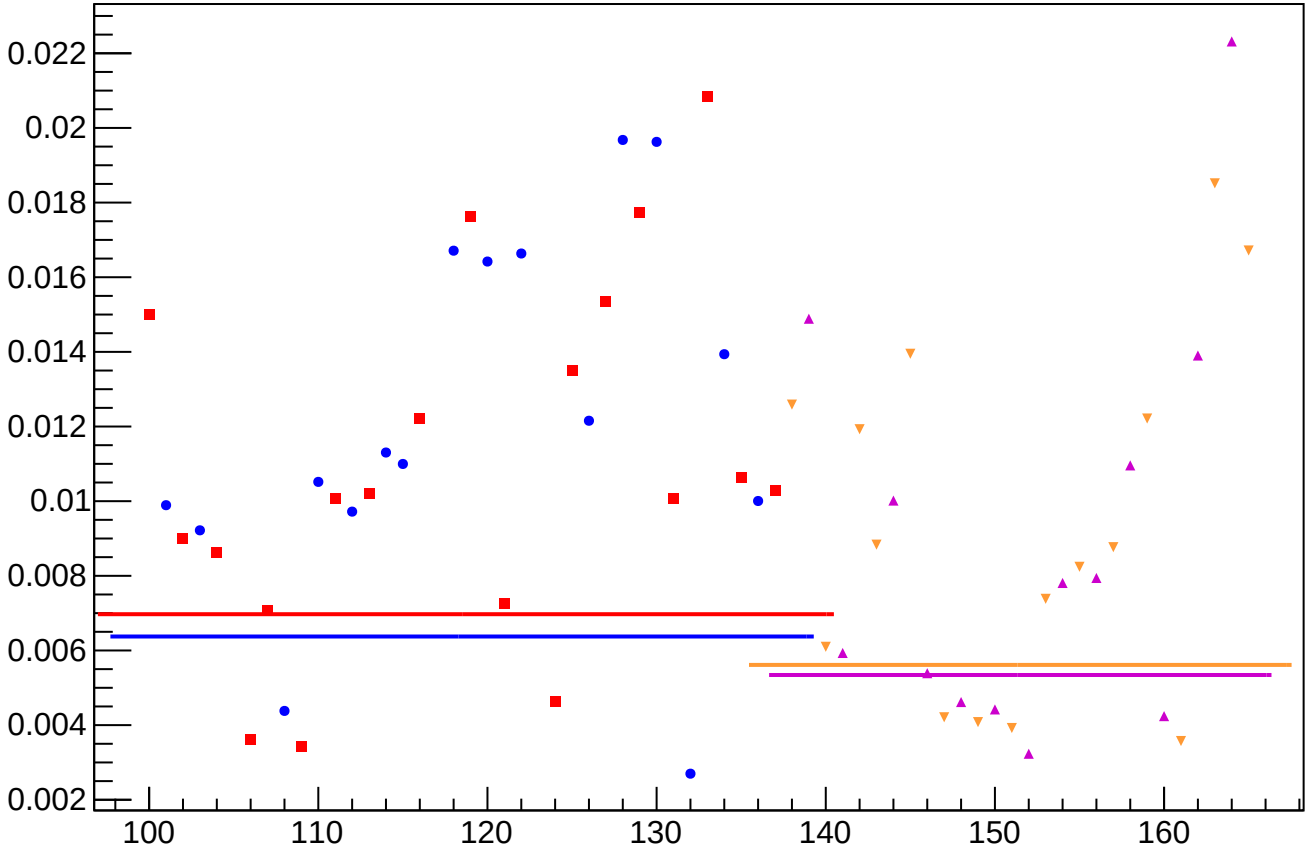
Left: 0.000+/-0.000 χ^2/NDF: 43.2/27

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.7/28

Out: 0.000+/-0.000 χ^2/NDF:47.8/33

All: 0.000+/-0.000 χ^2/NDF: 76.3/62



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

Left: 0.005+/-0.000 χ^2/NDF: 8739547.6/27

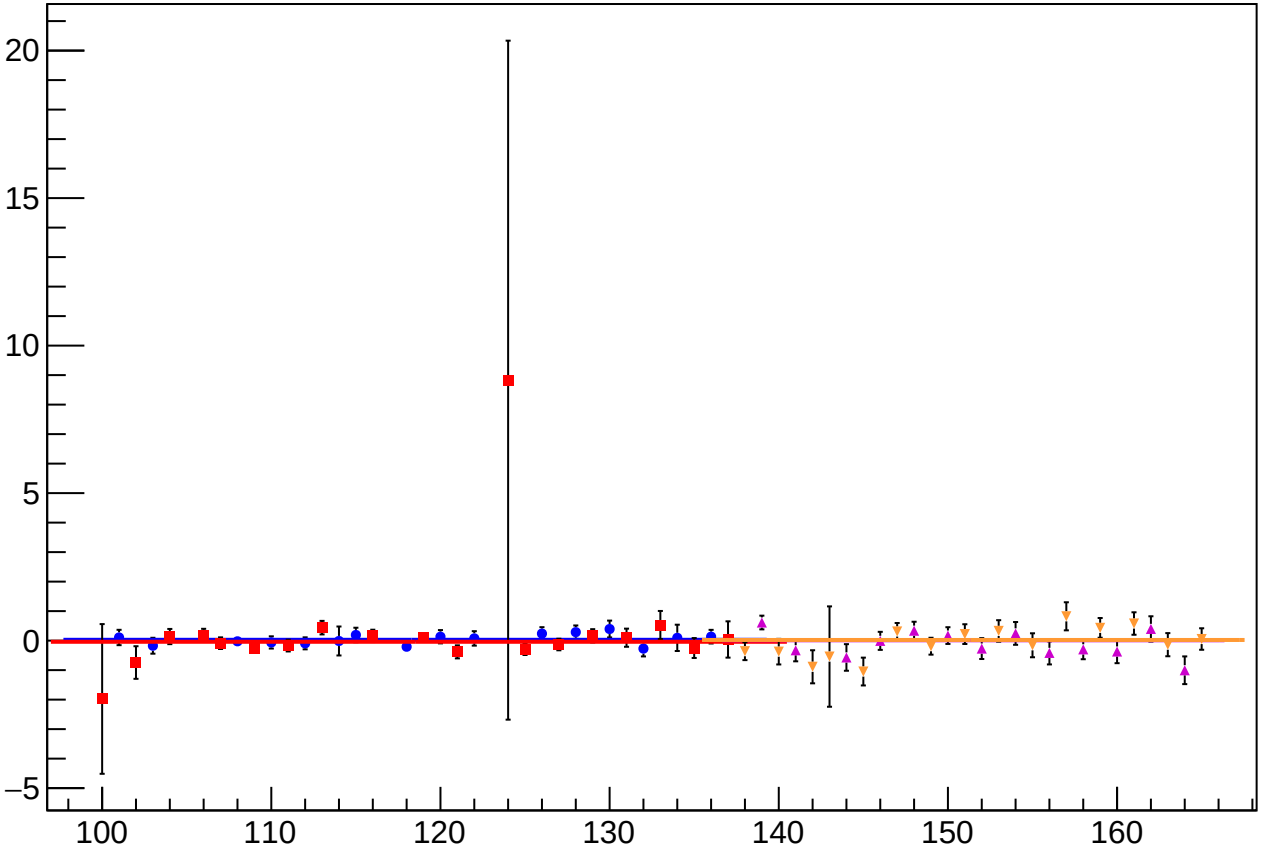
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8766438.7/28

Out: 0.006+/-0.000 χ^2/NDF:8470099.5/33

All: 0.006+/-0.000 χ^2/NDF: 17285637.8/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

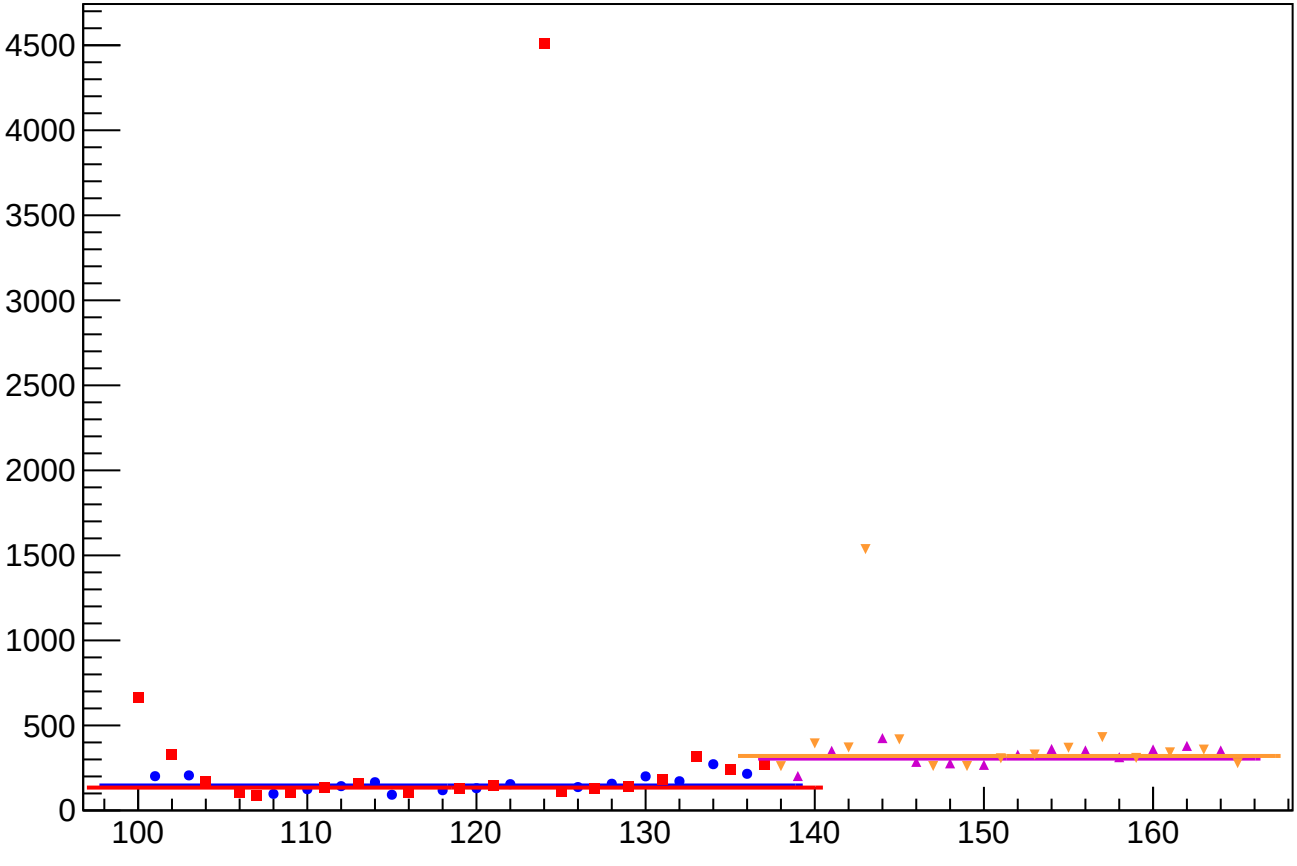
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 312.492+/-0.048 χ^2/NDF: 2473492.4/27

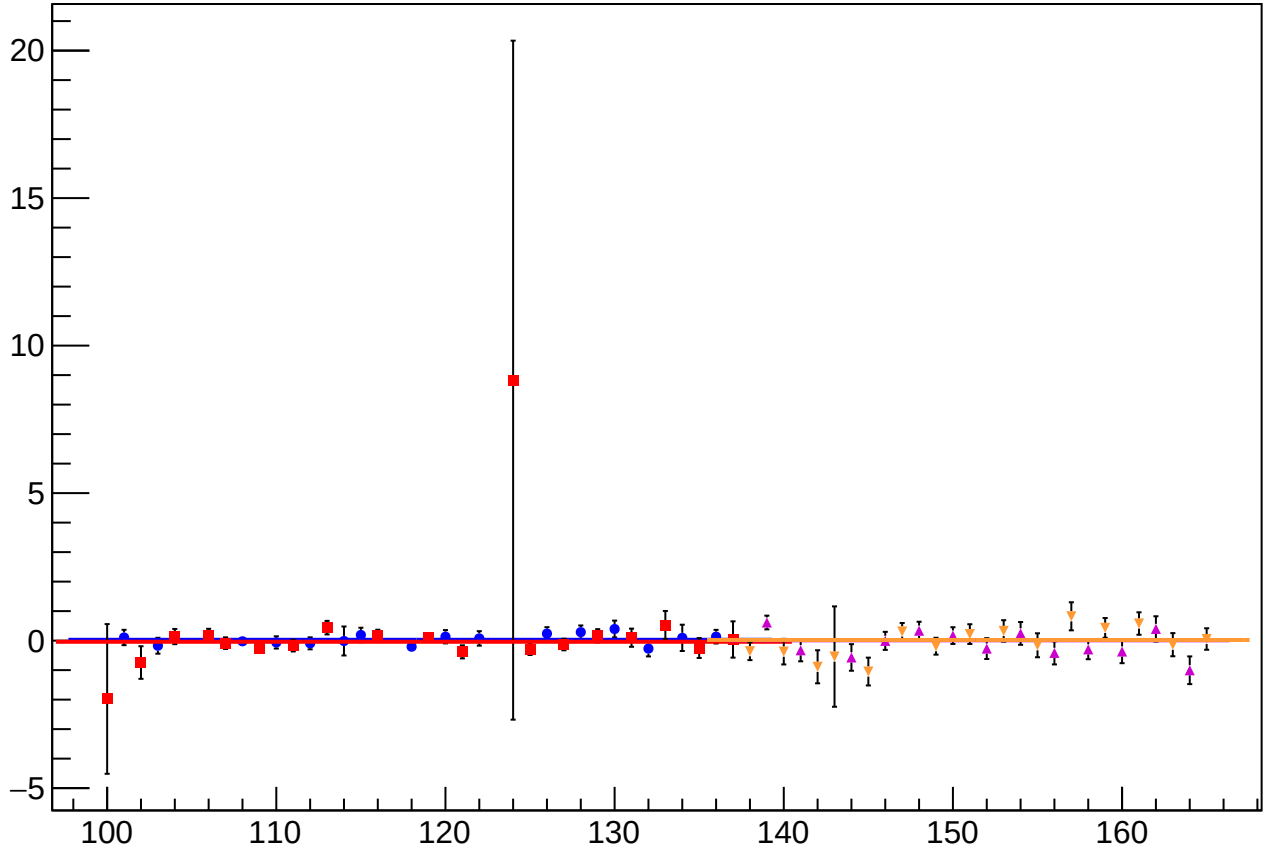
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

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: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.017+/-0.068 χ^2/NDF: 39.9/27

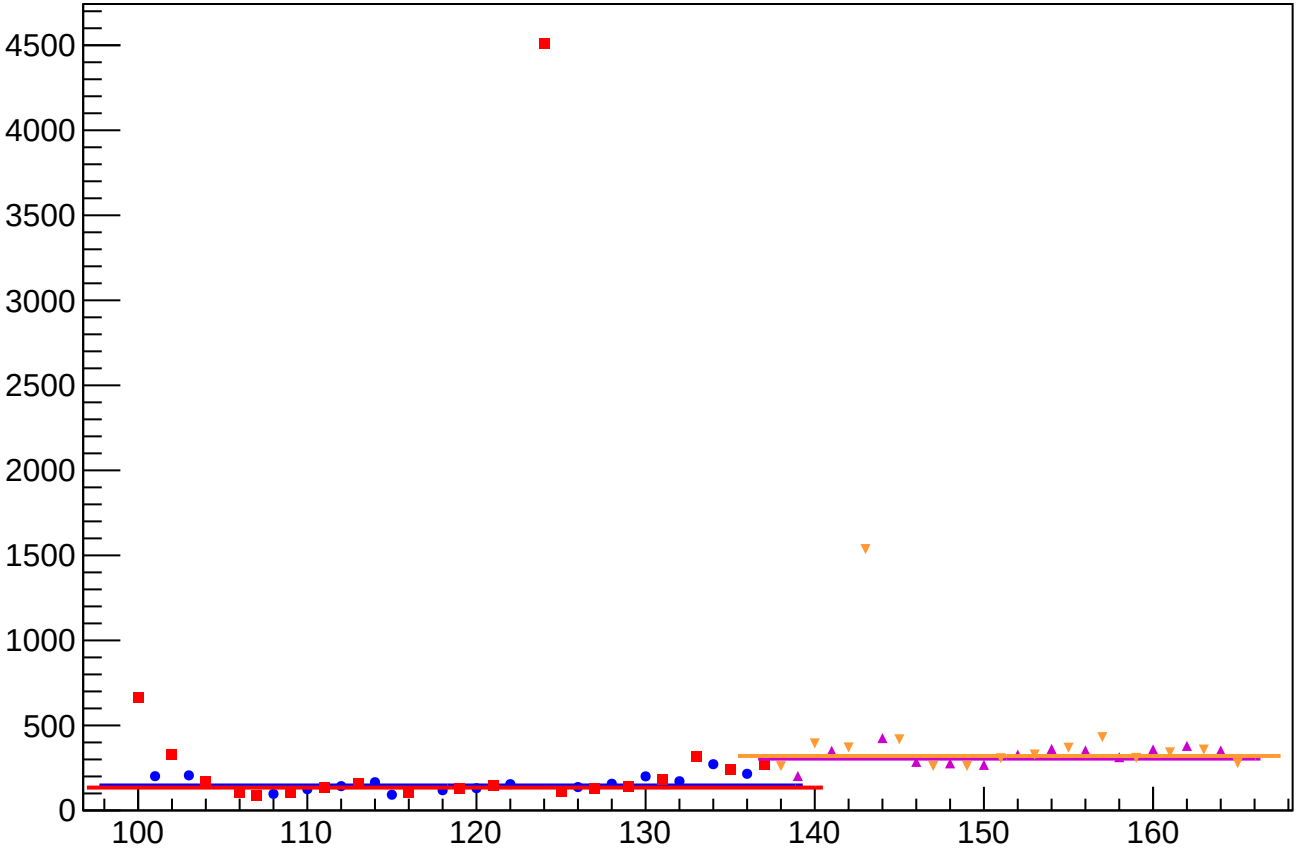
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: -0.001+/-0.034 χ^2/NDF: 70.1/62

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: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 312.492+/-0.048 χ^2/NDF: 2473492.4/27

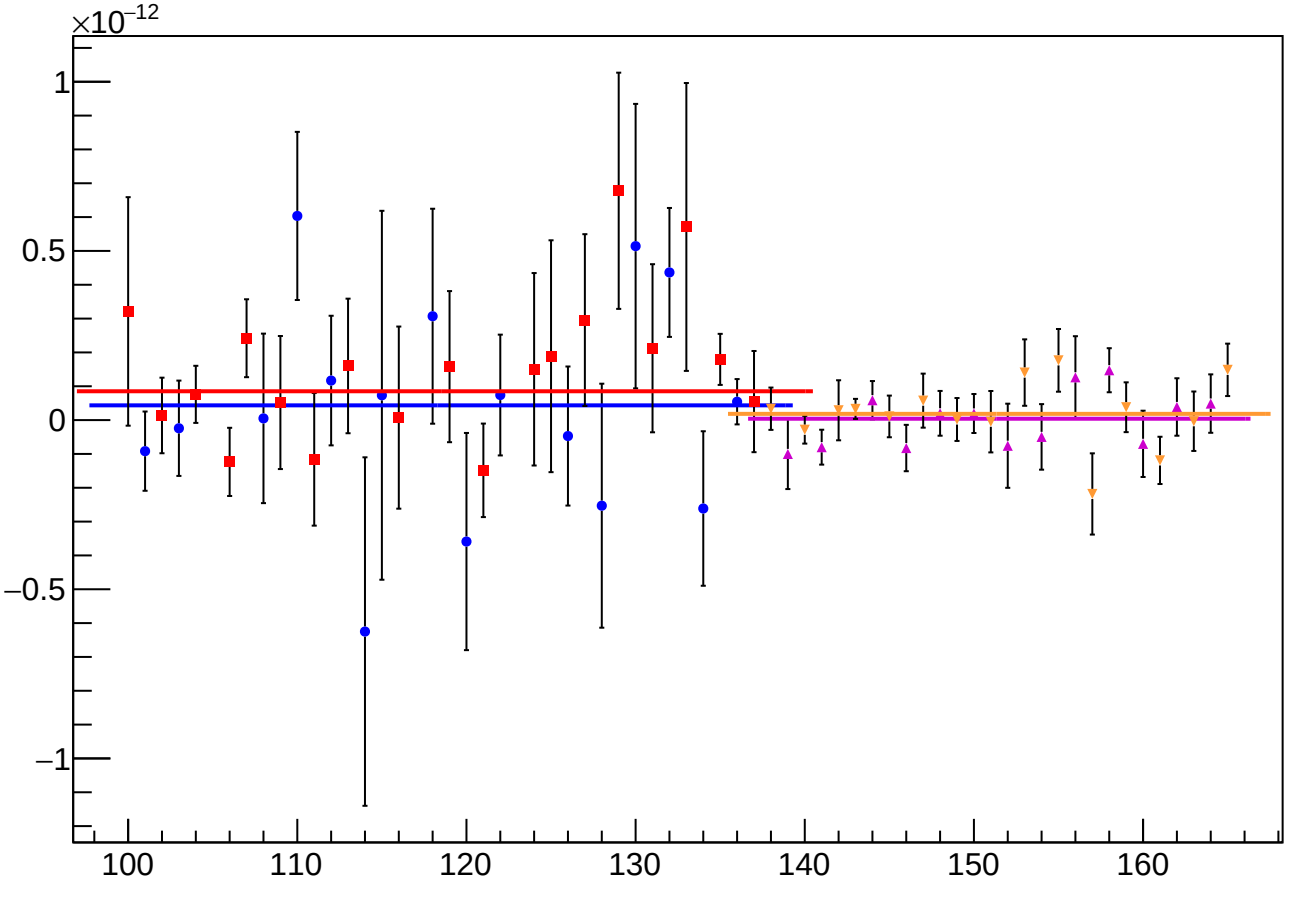
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

Left: 0.000+/-0.000 χ^2/NDF: 31.4/27

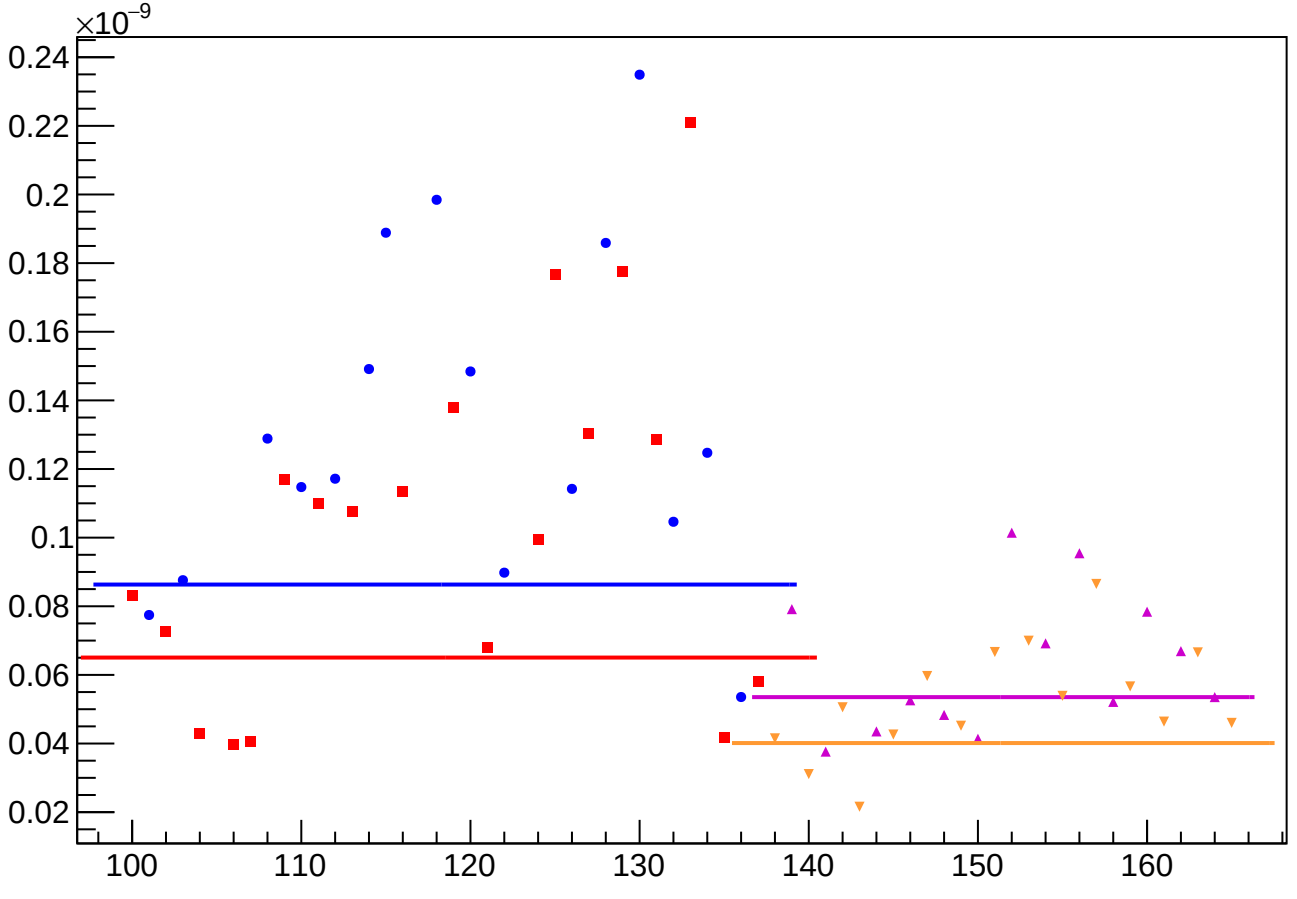
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.6/28

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 72.8/62

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:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

Left: 0.000+/-0.000 χ^2/NDF: 3823737.7/27

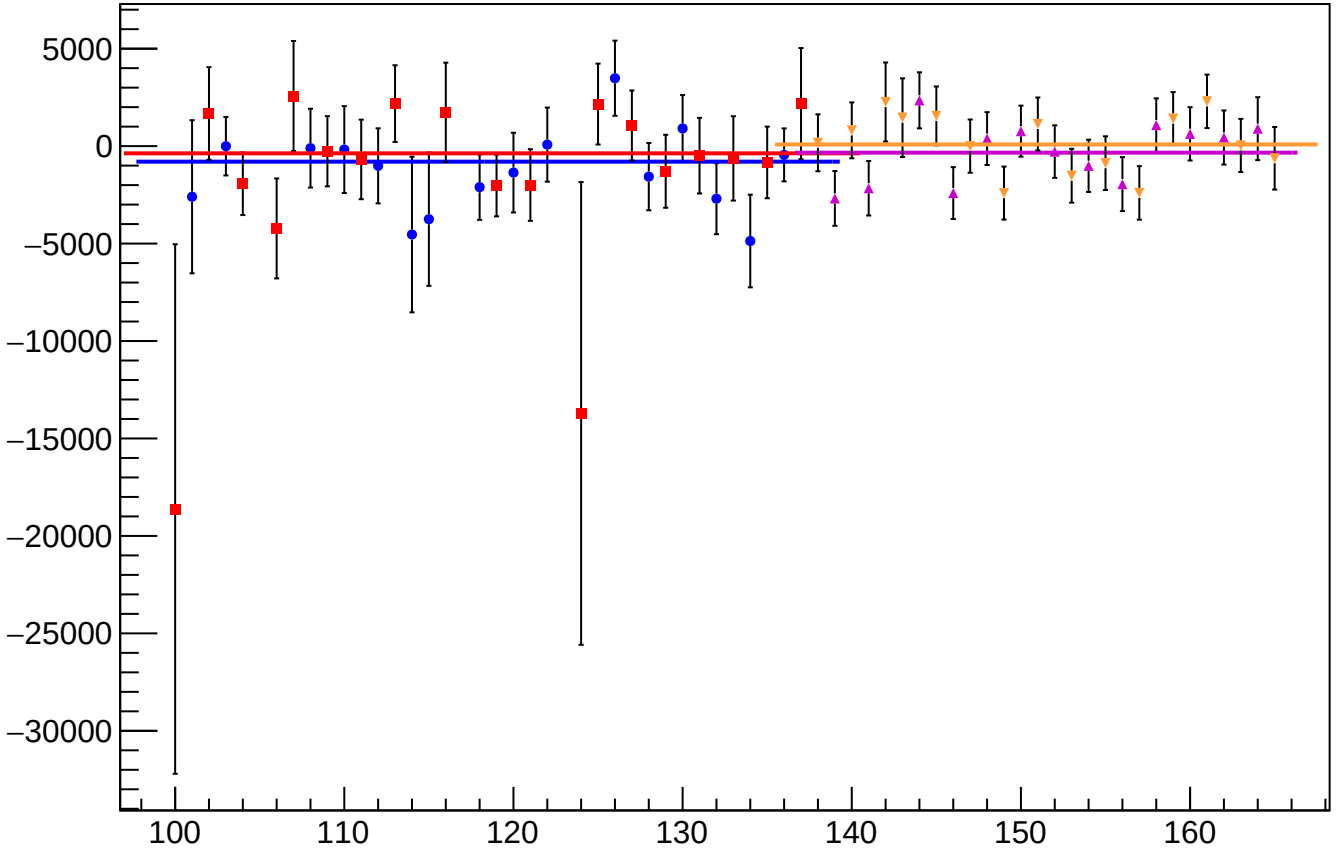
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3766306.7/28

Out: 0.000+/-0.000 χ^2/NDF:5080077.4/33

All: 0.000+/-0.000 χ^2/NDF: 9664134.1/62

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 85.600+/-375.854 χ^2/NDF:15.7/14

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -335.968+/-383.793 χ^2/NDF:15.5/12

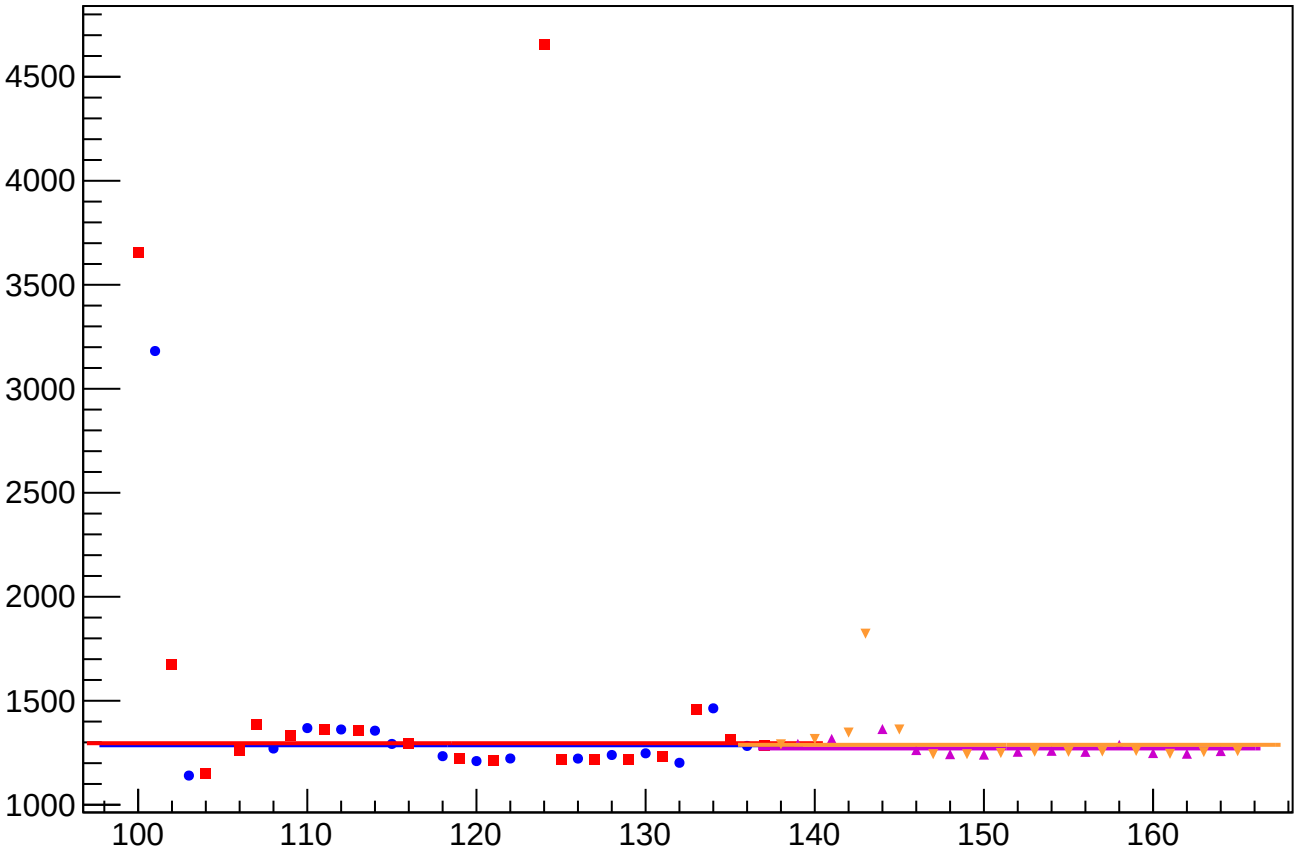
Left: -120.779+/-268.531 χ^2/NDF: 31.7/27

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -512.505+/-301.545 χ^2/NDF:29.4/28

Out: -84.990+/-297.276 χ^2/NDF:31.8/33

All: -295.700+/-211.699 χ^2/NDF: 62.3/62



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1279.680+/-0.190 χ^2/NDF: 179493.8/27

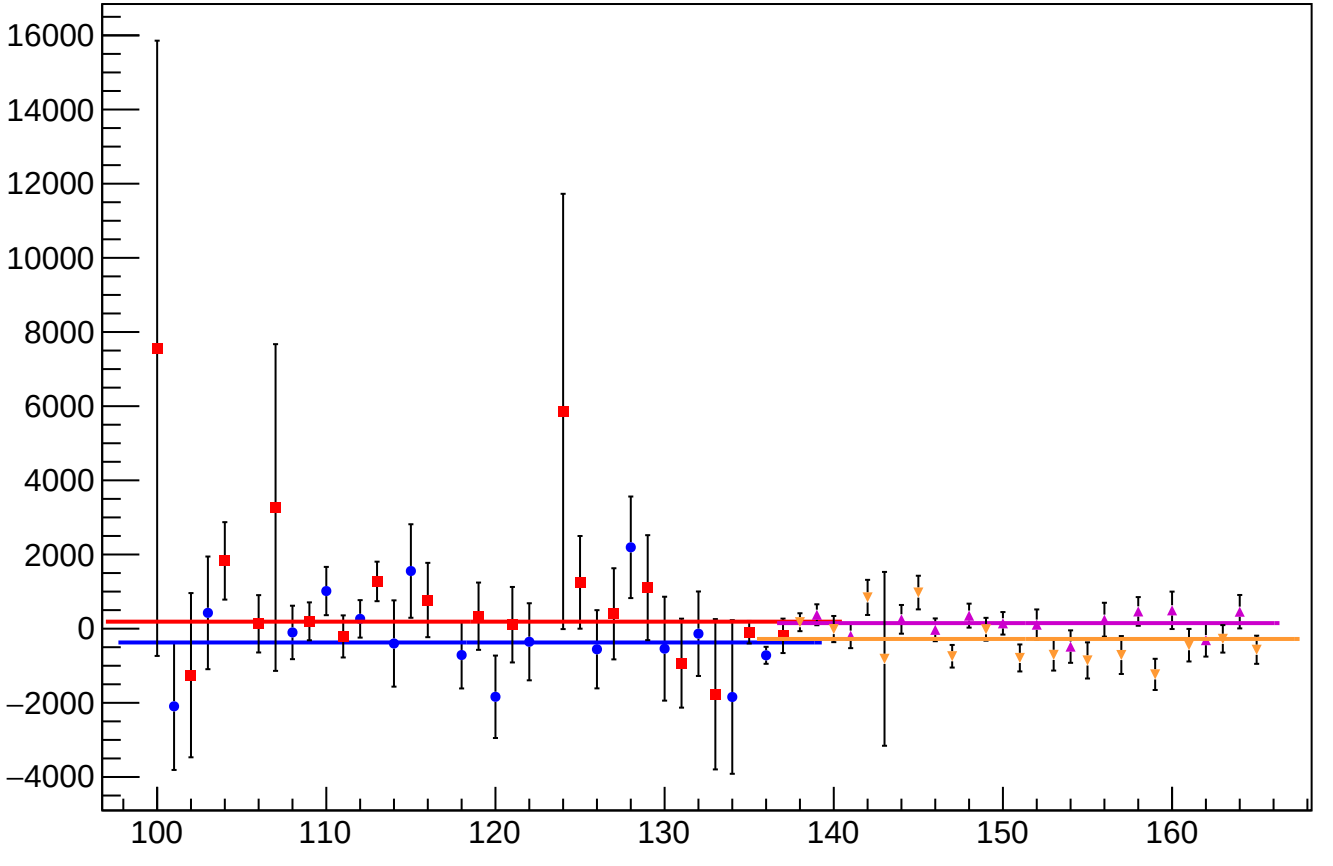
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1276.631+/-0.213 χ^2/NDF:534670.4/28

Out: 1291.119+/-0.210 χ^2/NDF:490442.4/33

All: 1283.978+/-0.150 χ^2/NDF: 1027454.0/62

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -277.637+/-98.911 χ^2/NDF:31.4/14

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 149.808+/-102.223 χ^2/NDF:7.3/12

Left: -70.951+/-71.083 χ^2/NDF: 47.7/27

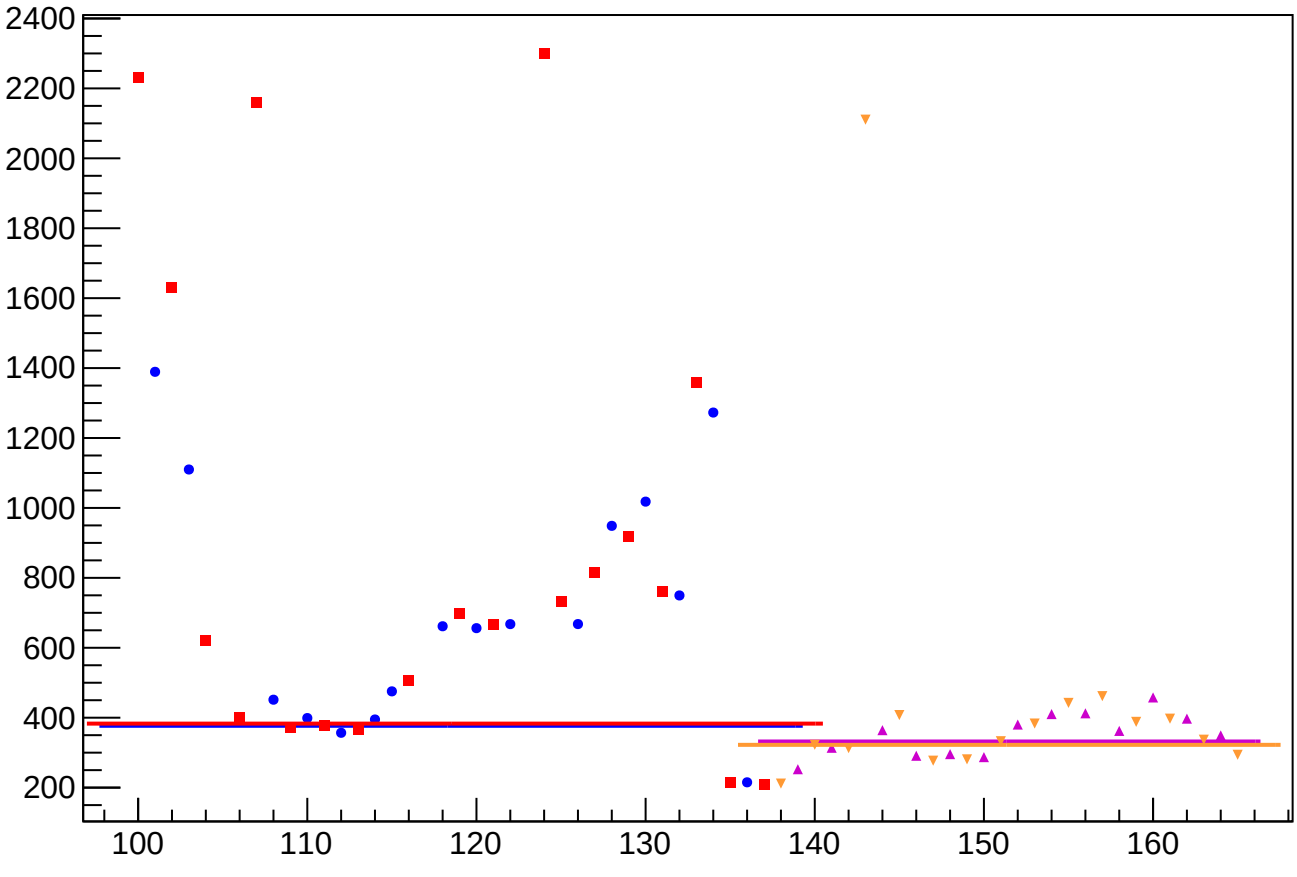
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 8.978+/-87.356 χ^2/NDF:32.5/28

Out: -159.193+/-85.439 χ^2/NDF:51.7/33

All: -76.973+/-61.081 χ^2/NDF: 86.1/62

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: 322.357+/-0.070 χ^2/NDF:2170940.0/14

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

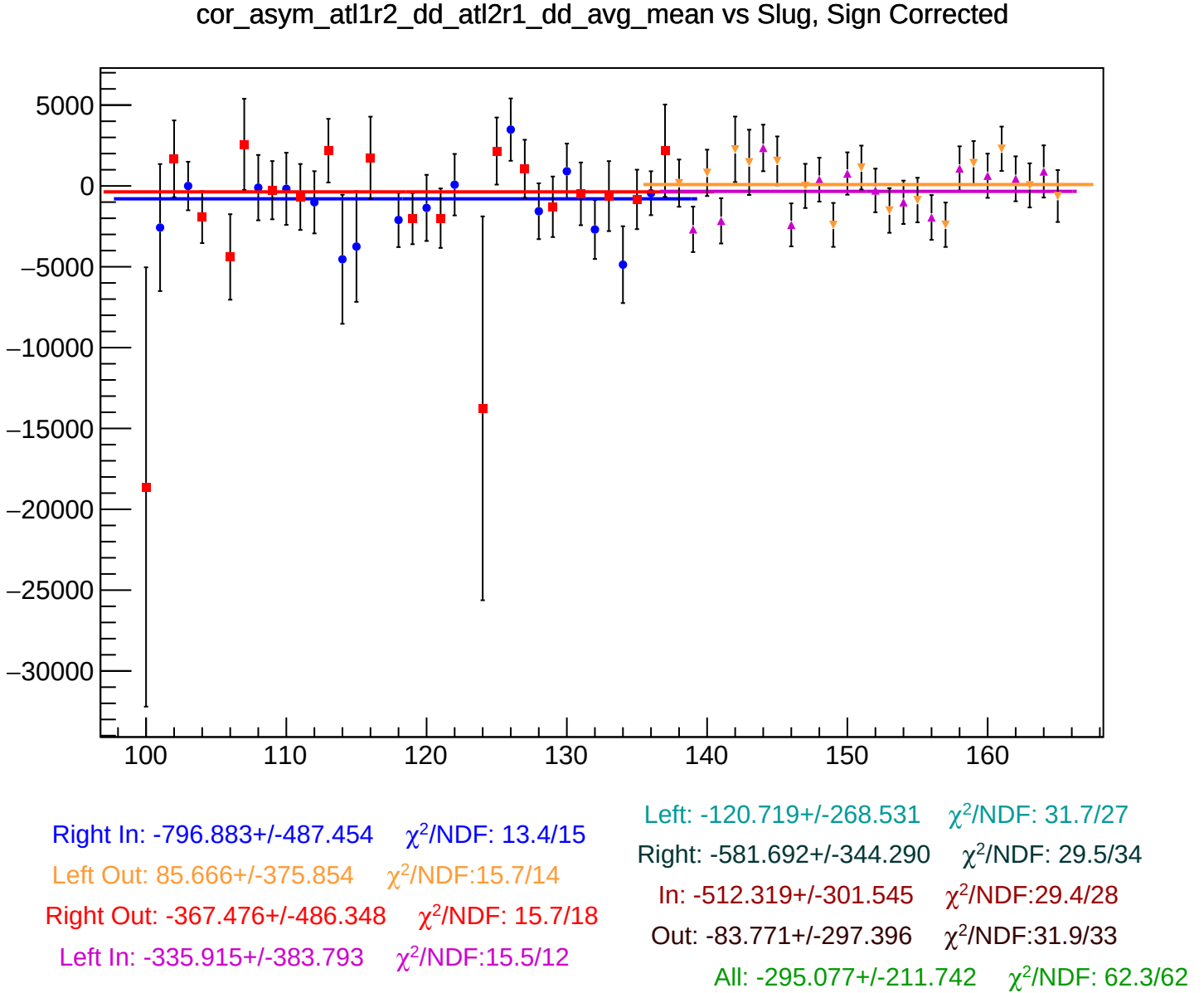
Left: 326.993+/-0.050 χ^2/NDF: 2799167.0/27

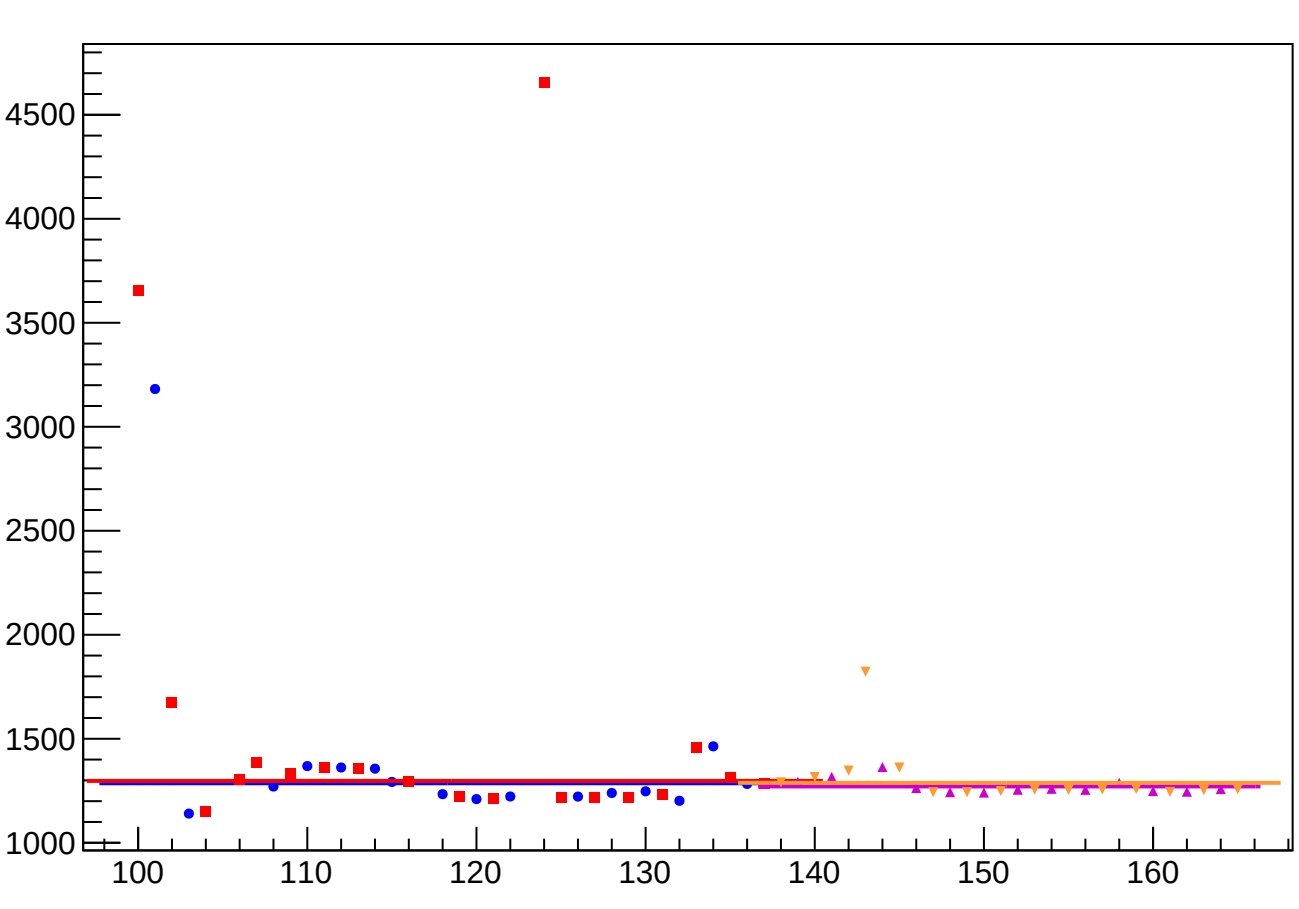
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 344.069+/-0.062 χ^2/NDF:4913626.3/28

Out: 337.770+/-0.060 χ^2/NDF:6416375.0/33

All: 340.850+/-0.043 χ^2/NDF: 11335314.9/62


cor_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
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 85.666+/-375.854 χ²/NDF:15.7/14
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -335.915+/-383.793 χ²/NDF:15.5/12
Left: -120.719+/-268.531 χ²/NDF: 31.7/27
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -512.319+/-301.545 χ²/NDF:29.4/28
Out: -83.771+/-297.396 χ²/NDF:31.9/33
All: -295.077+/-211.742 χ²/NDF: 62.3/62



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1279.680+/-0.190 χ^2/NDF: 179493.8/27

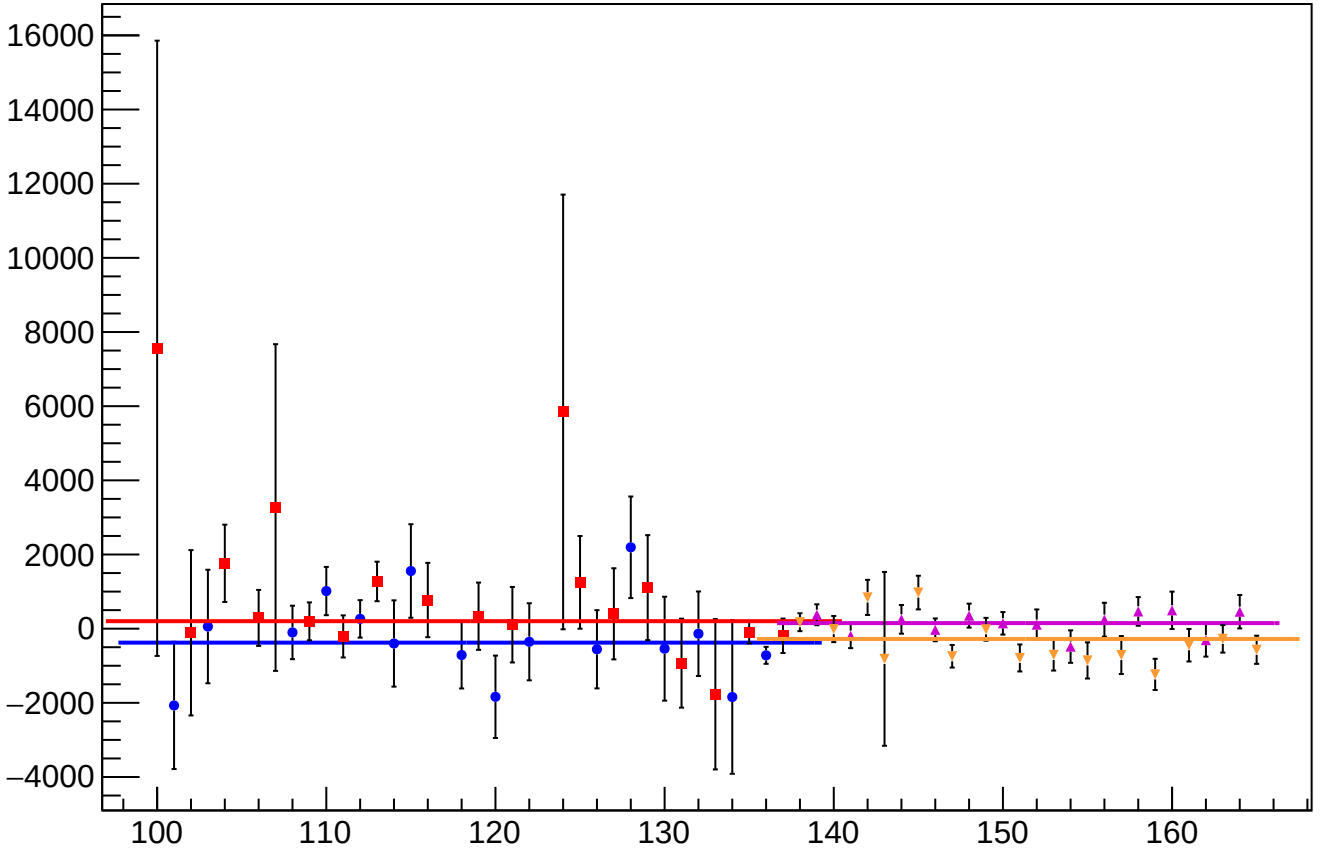
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

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: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

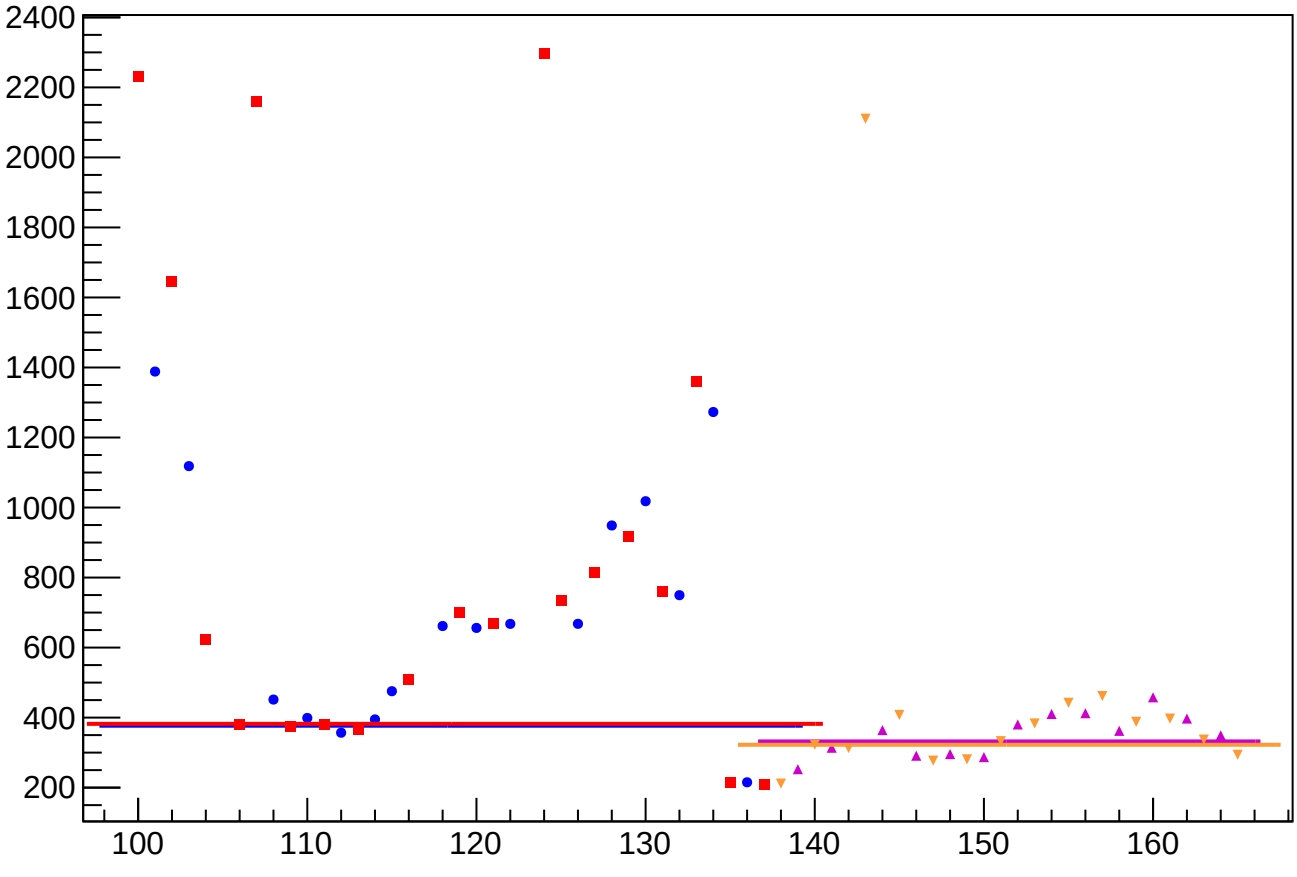
Left: -70.945+/-71.083 χ^2/NDF: 47.7/27

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -75.749+/-61.073 χ^2/NDF: 85.6/62



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

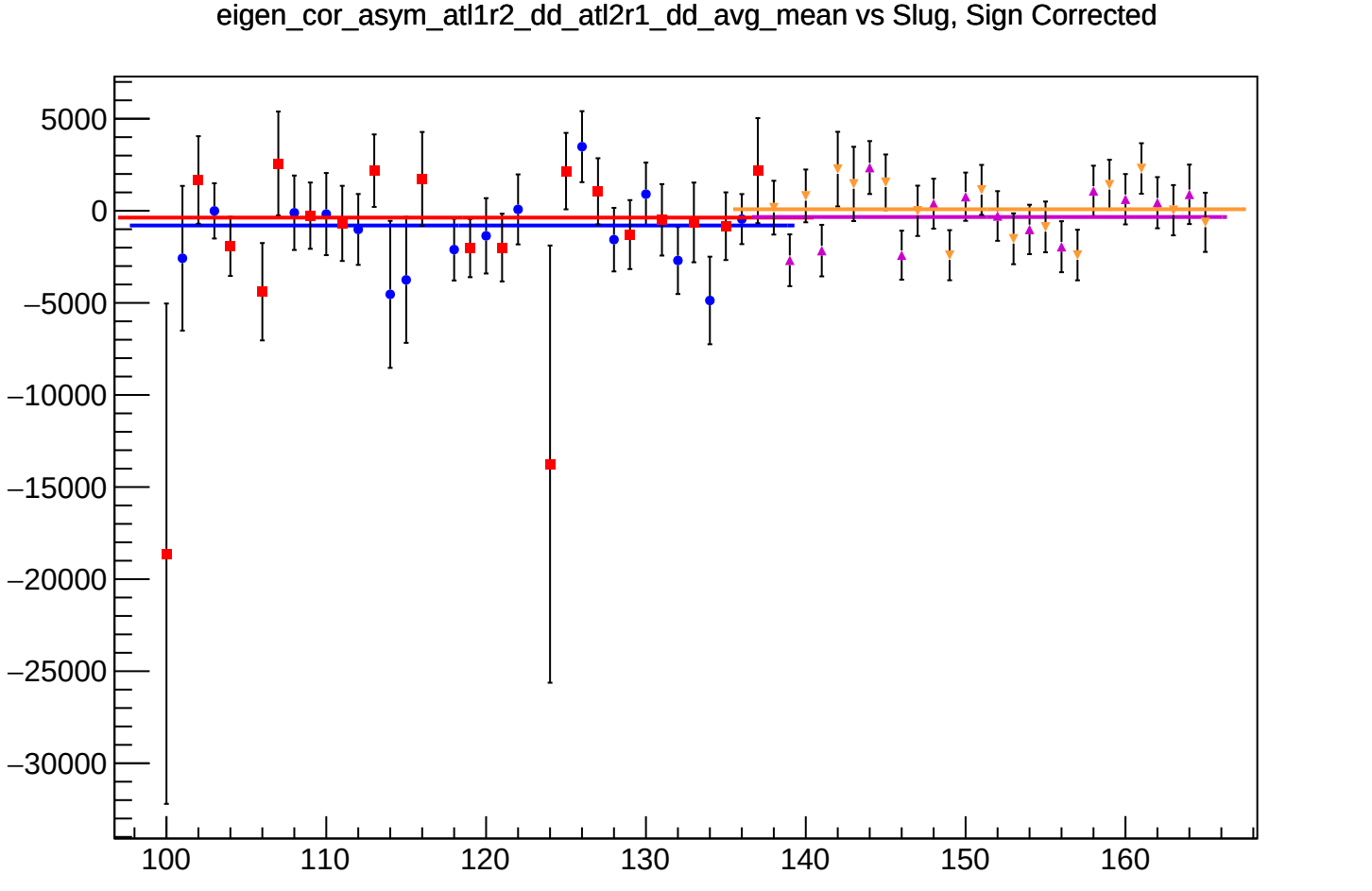
Left: 326.997+/-0.050 χ^2/NDF: 2799164.9/27

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

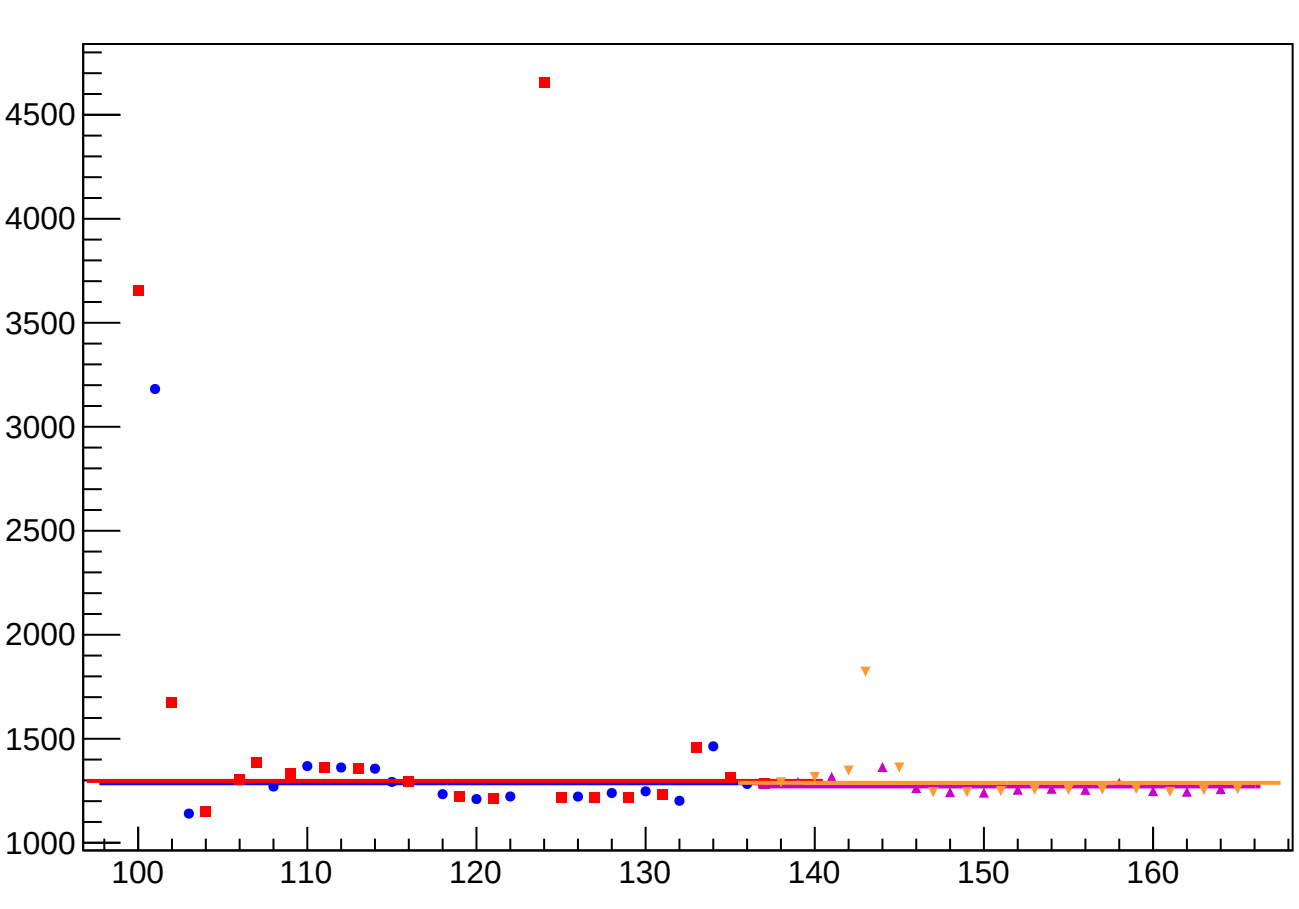
Left: -120.719+/-268.531 χ^2/NDF: 31.7/27

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -295.077+/-211.742 χ^2/NDF: 62.3/62



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1279.680+/-0.190 χ^2/NDF: 179493.8/27

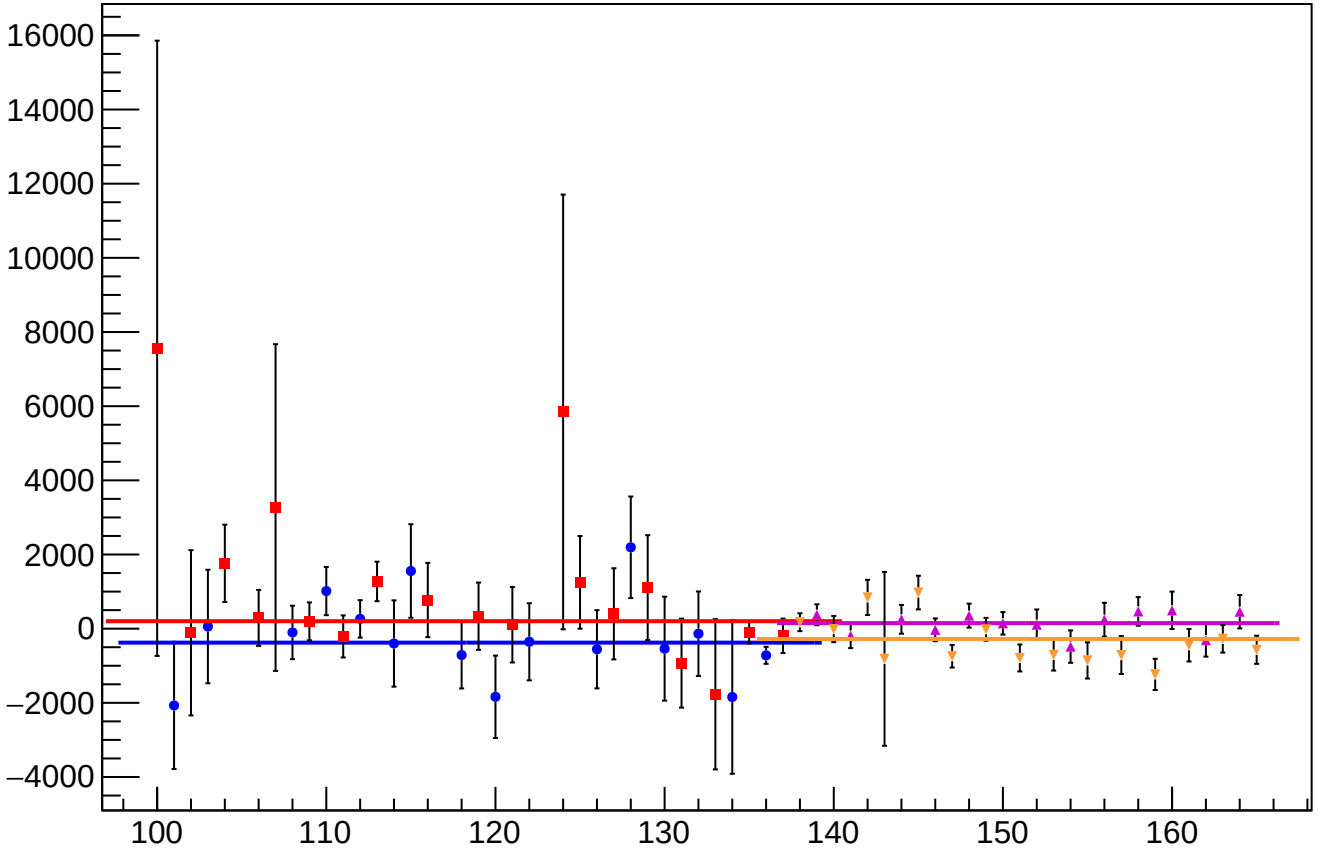
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

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: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

Left: -70.945+/-71.083 χ^2/NDF: 47.7/27

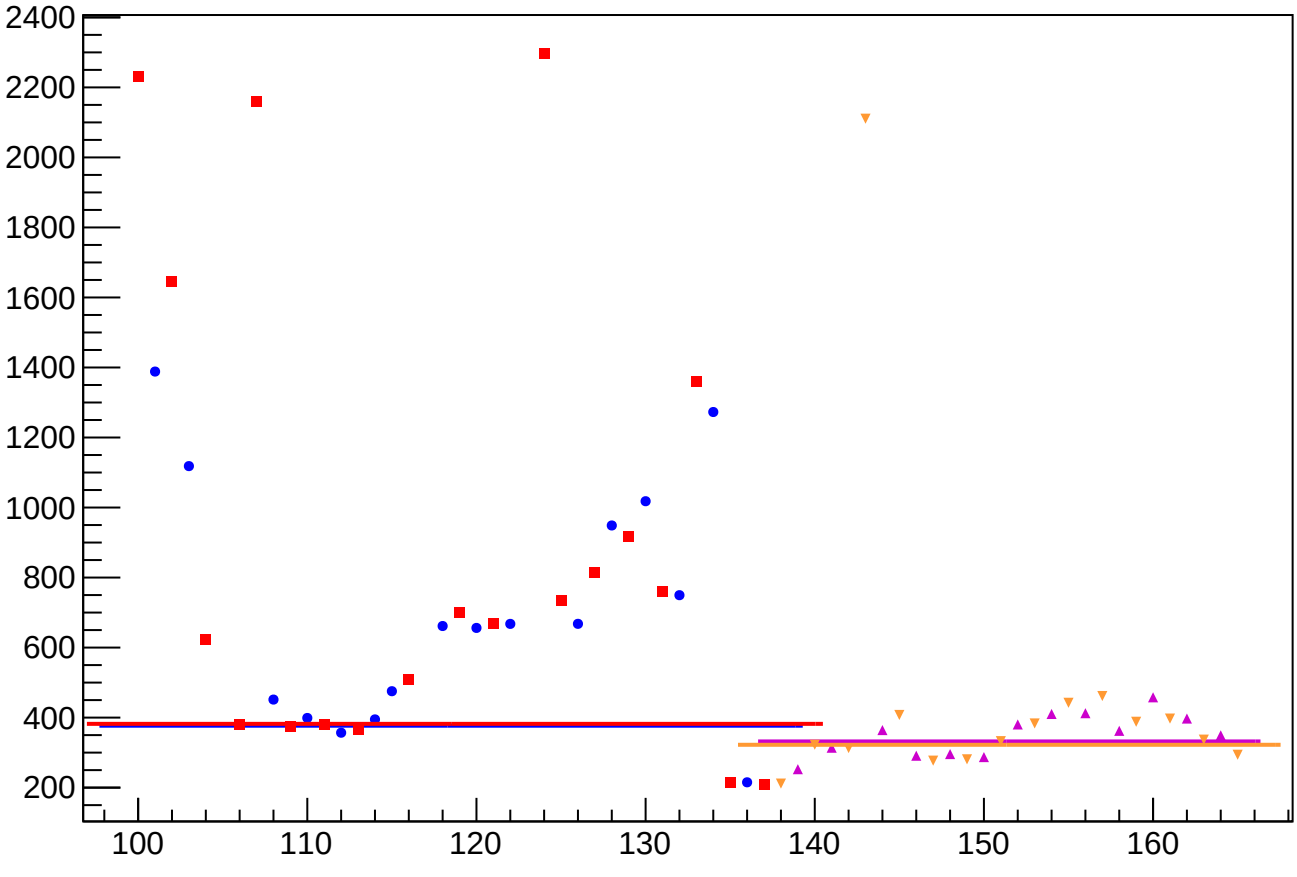
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -75.749+/-61.073 χ^2/NDF: 85.6/62

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: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

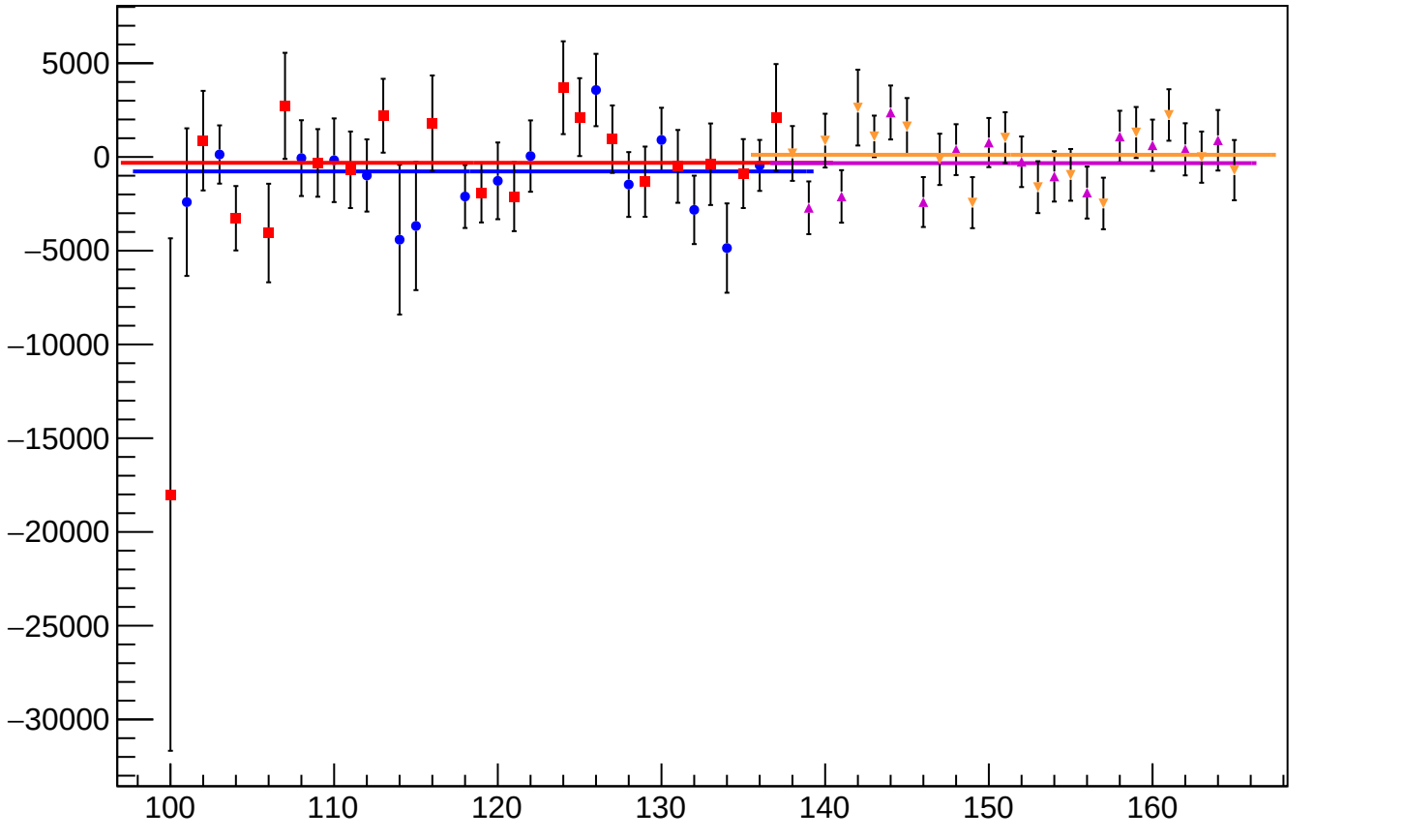
Left: 326.997+/-0.050 χ^2/NDF: 2799164.9/27

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.255+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -329.299+/-384.092 χ^2/NDF:15.4/12

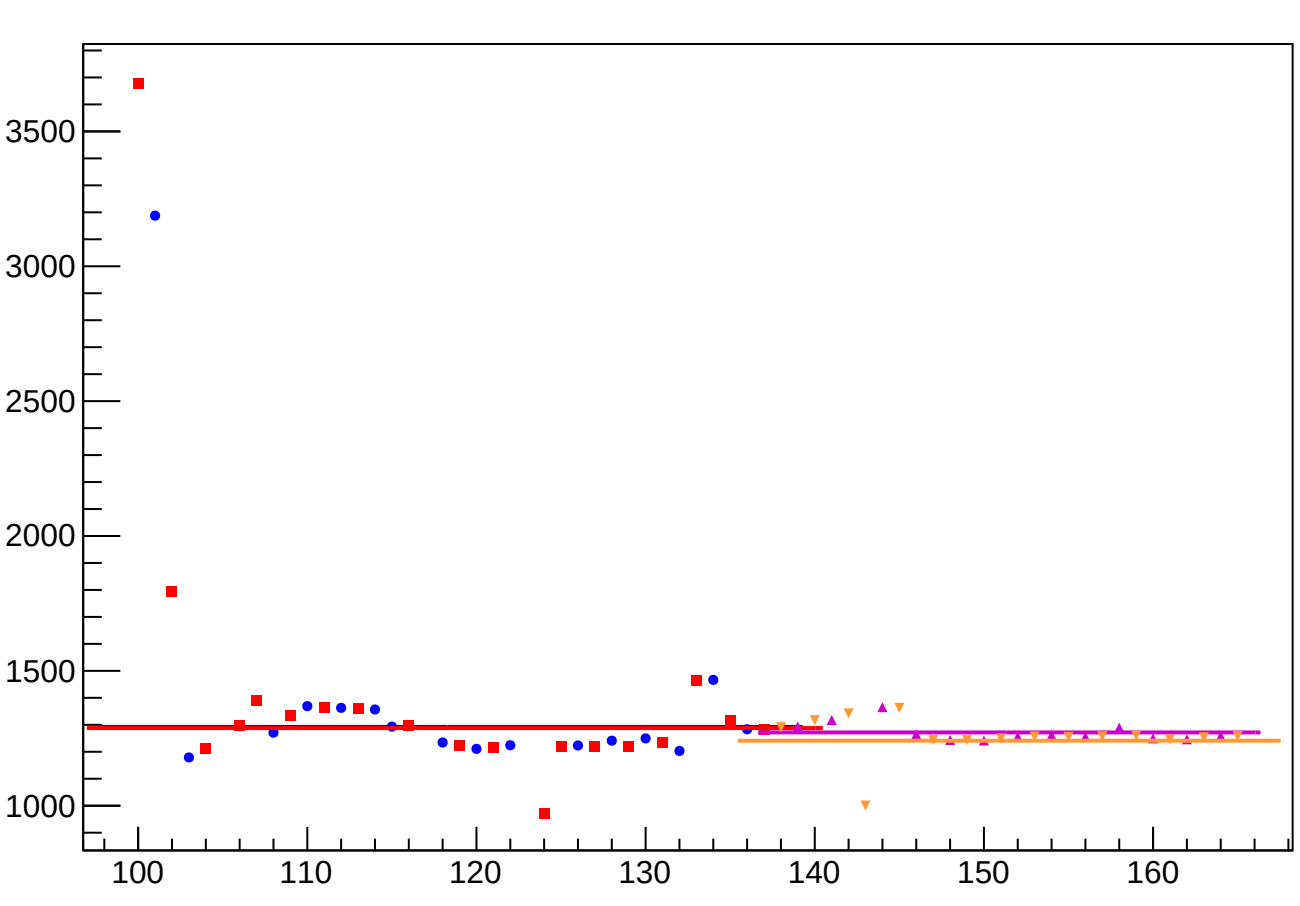
Left: -92.671+/-263.349 χ^2/NDF: 32.9/27

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

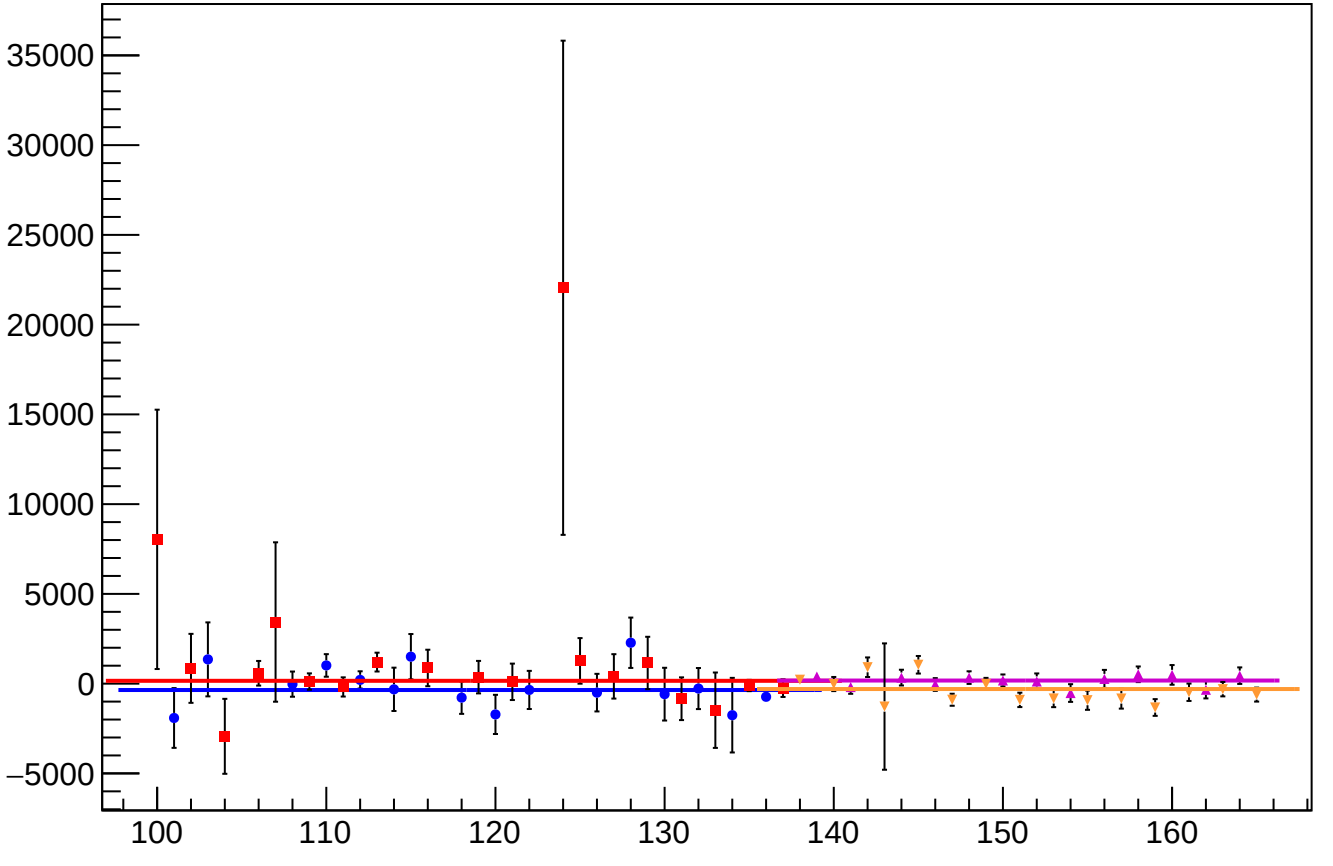
In: -497.765+/-302.197 χ^2/NDF:29.5/28

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -257.458+/-209.044 χ^2/NDF: 65.9/62


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
Right In: 1292.038+/-0.346 χ²/NDF: 509406.3/15
Left Out: 1240.994+/-0.256 χ²/NDF:122152.0/14
Right Out: 1287.988+/-0.341 χ²/NDF: 209208.8/18
Left In: 1271.748+/-0.272 χ²/NDF:15408.9/12
Left: 1255.452+/-0.186 χ²/NDF: 144355.3/27
Right: 1289.984+/-0.243 χ²/NDF: 718684.5/34
In: 1279.478+/-0.214 χ²/NDF:526941.4/28
Out: 1257.900+/-0.205 χ²/NDF:343501.1/33
All: 1268.225+/-0.148 χ²/NDF: 875760.2/62

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: -300.317+/-106.857 χ^2/NDF:32.9/14

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.097 χ^2/NDF:6.8/12

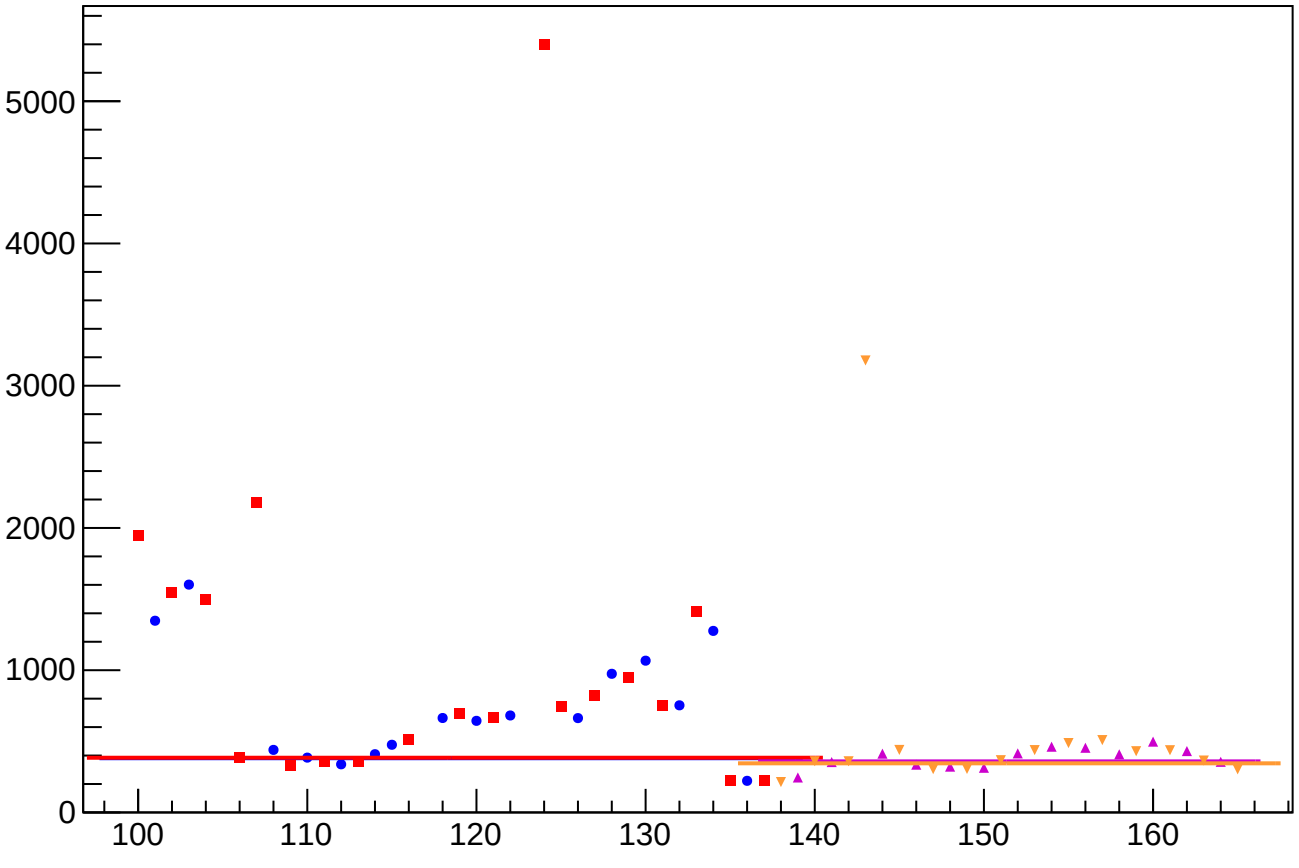
Left: -72.576+/-77.014 χ^2/NDF: 49.2/27

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 15.300+/-92.994 χ^2/NDF:32.0/28

Out: -170.173+/-90.418 χ^2/NDF:54.0/33

All: -80.041+/-64.827 χ^2/NDF: 88.0/62



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 345.379+/-0.076 χ^2/NDF:2571828.7/14

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

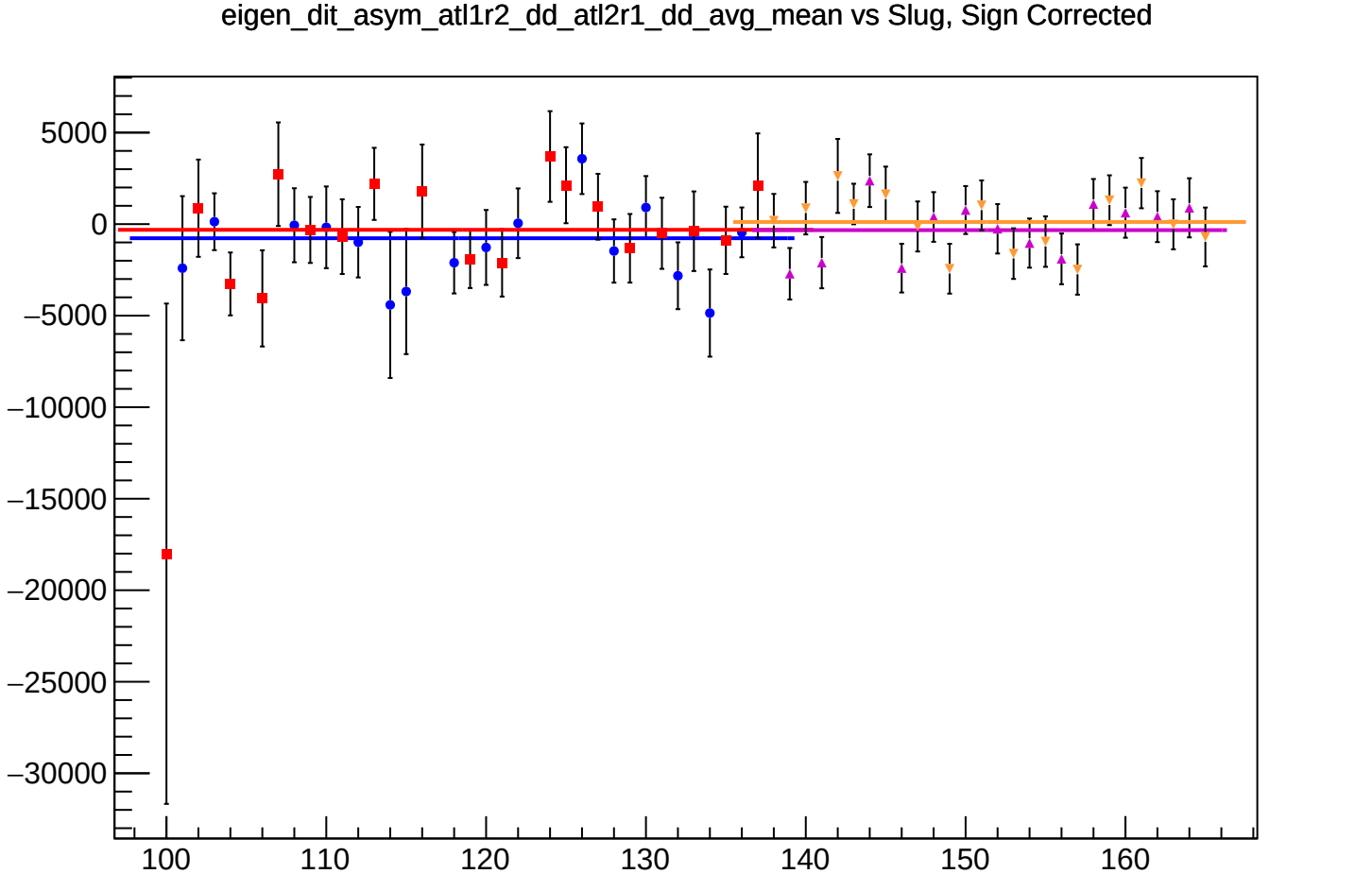
Left: 351.932+/-0.054 χ^2/NDF: 3411198.9/27

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 365.700+/-0.066 χ^2/NDF:5165839.4/28

Out: 356.533+/-0.064 χ^2/NDF:7208756.6/33

All: 360.988+/-0.046 χ^2/NDF: 12384587.2/62



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.256+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -329.299+/-384.092 χ^2/NDF:15.4/12

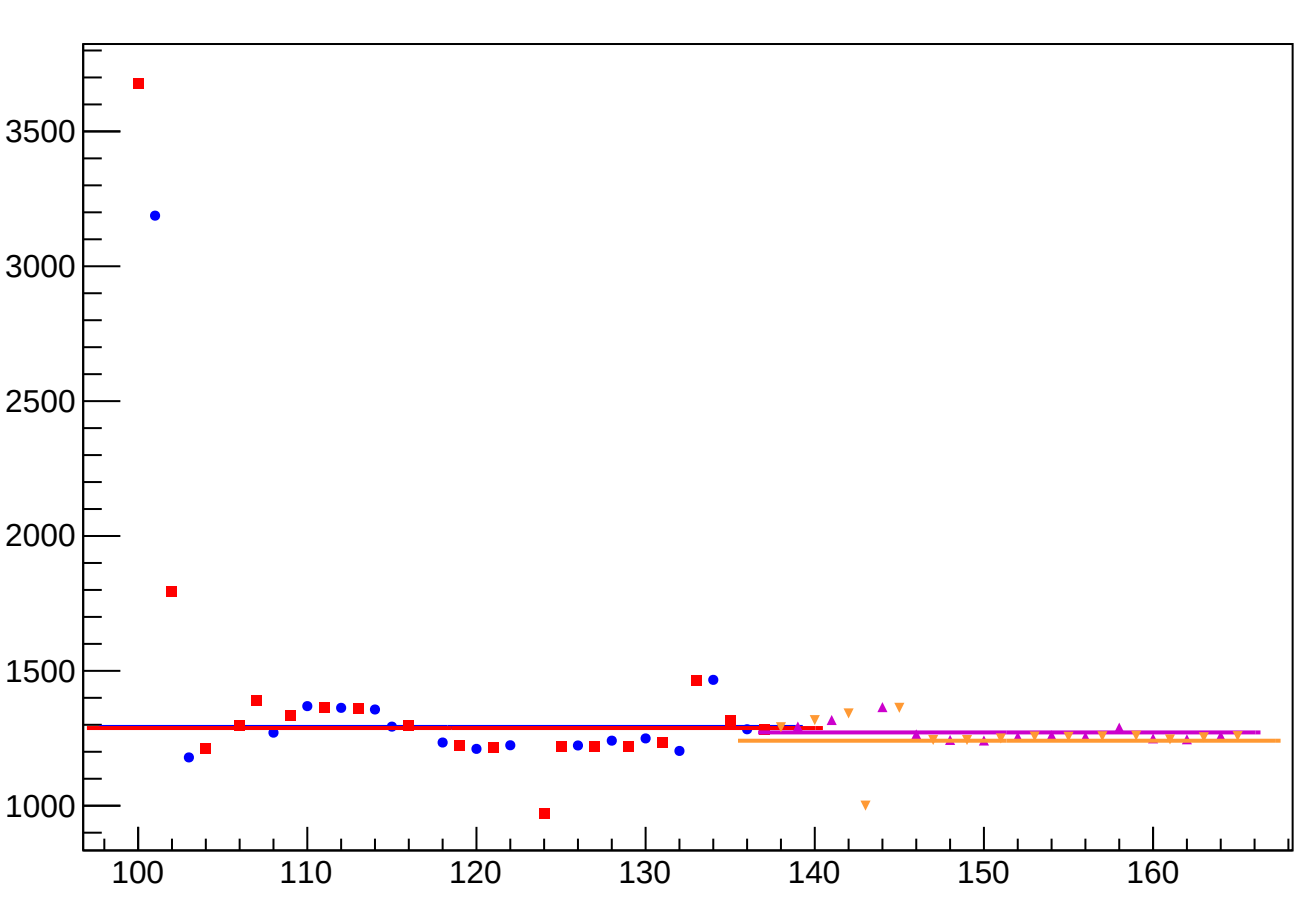
Left: -92.671+/-263.349 χ^2/NDF: 32.9/27

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -497.765+/-302.197 χ^2/NDF:29.5/28

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -257.458+/-209.044 χ^2/NDF: 65.9/62



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122151.2/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

Left: 1255.452+/-0.186 χ^2/NDF: 144354.5/27

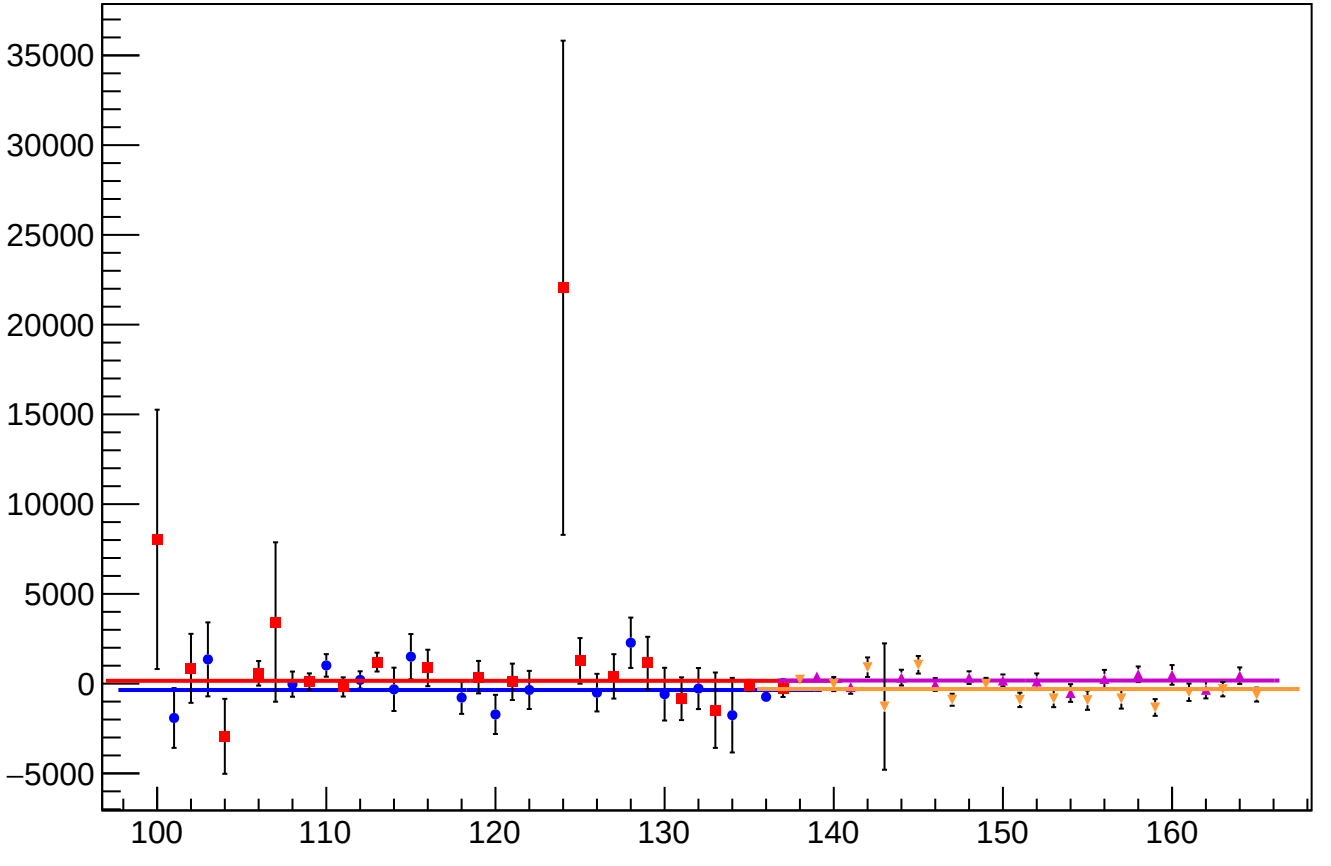
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.900+/-0.205 χ^2/NDF:343500.5/33

All: 1268.225+/-0.148 χ^2/NDF: 875759.6/62

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: -300.327+/-106.858 χ^2/NDF:32.9/14

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.098 χ^2/NDF:6.8/12

Left: -72.580+/-77.015 χ^2/NDF: 49.2/27

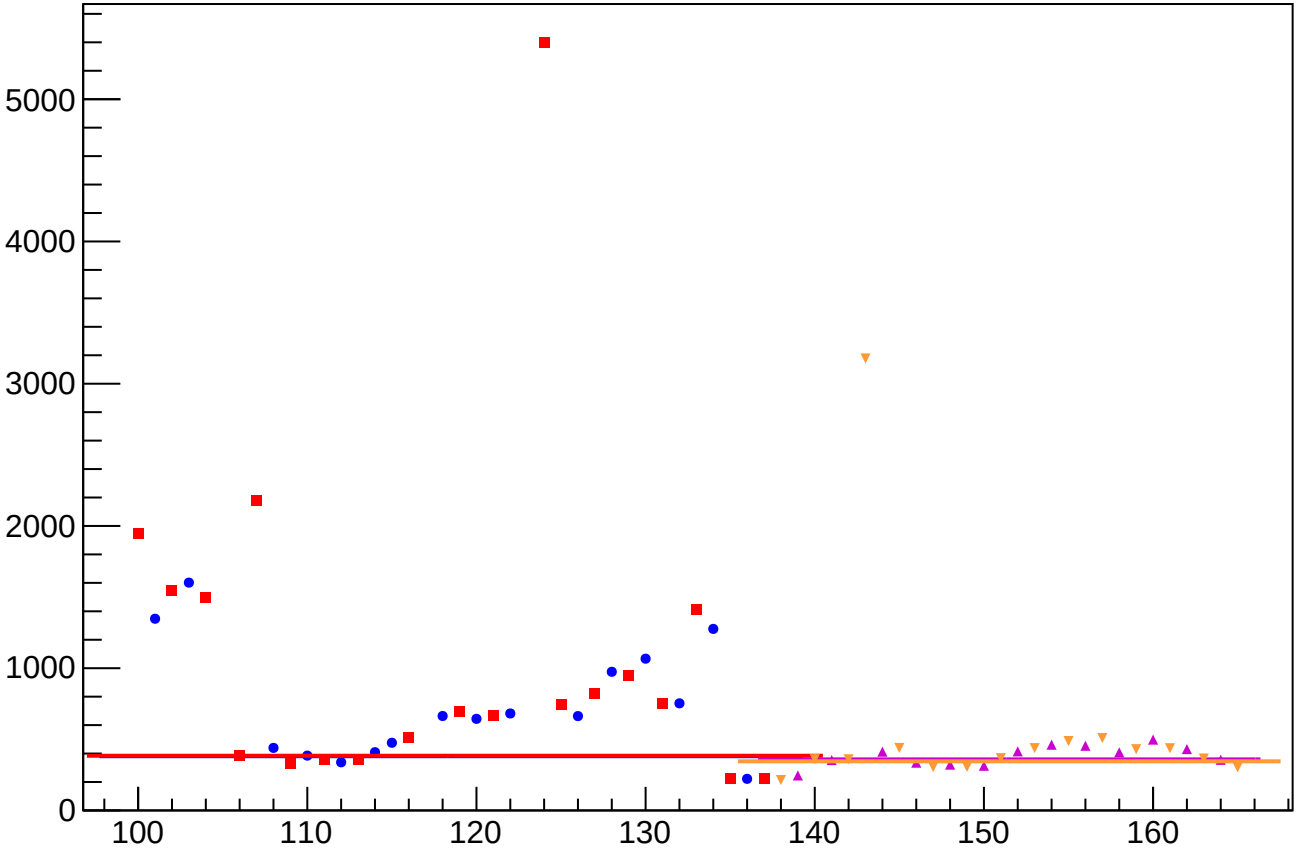
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 15.302+/-92.995 χ^2/NDF:32.0/28

Out: -170.180+/-90.419 χ^2/NDF:54.0/33

All: -80.043+/-64.828 χ^2/NDF: 88.0/62

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: 345.385+/-0.076 χ^2/NDF:2571649.8/14

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

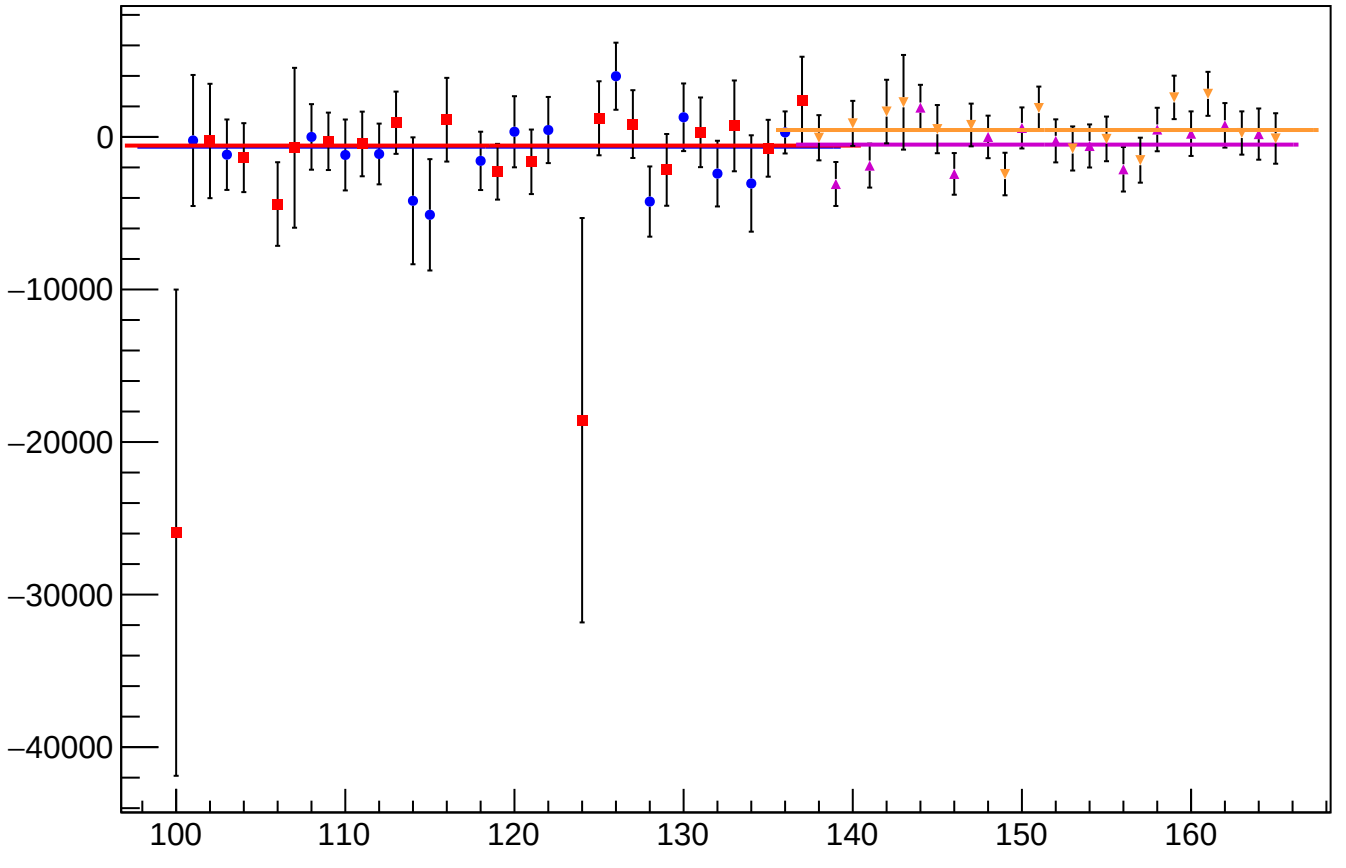
Left: 351.936+/-0.054 χ^2/NDF: 3410907.4/27

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 365.706+/-0.066 χ^2/NDF:5165557.5/28

Out: 356.539+/-0.064 χ^2/NDF:7208446.0/33

All: 360.993+/-0.046 χ^2/NDF: 12383993.9/62



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 453.803+/-394.740 χ^2/NDF:14.0/14

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -503.721+/-399.228 χ^2/NDF:12.4/12

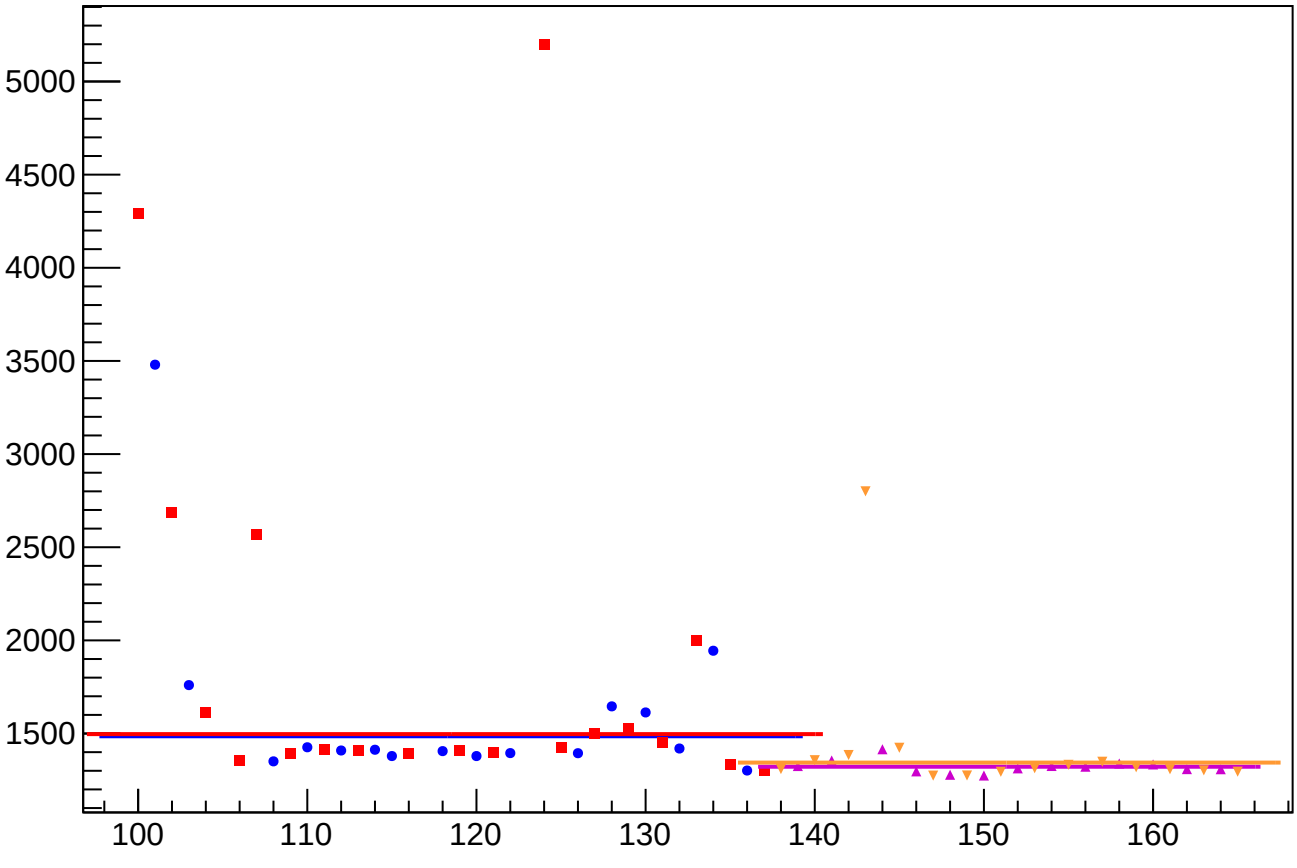
Left: -19.546+/-280.696 χ^2/NDF: 29.4/27

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -549.446+/-325.924 χ^2/NDF:25.0/28

Out: 120.295+/-323.920 χ^2/NDF:27.5/33

All: -212.510+/-229.751 χ^2/NDF: 54.6/62



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1344.057+/-0.279 χ^2/NDF:466121.0/14

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

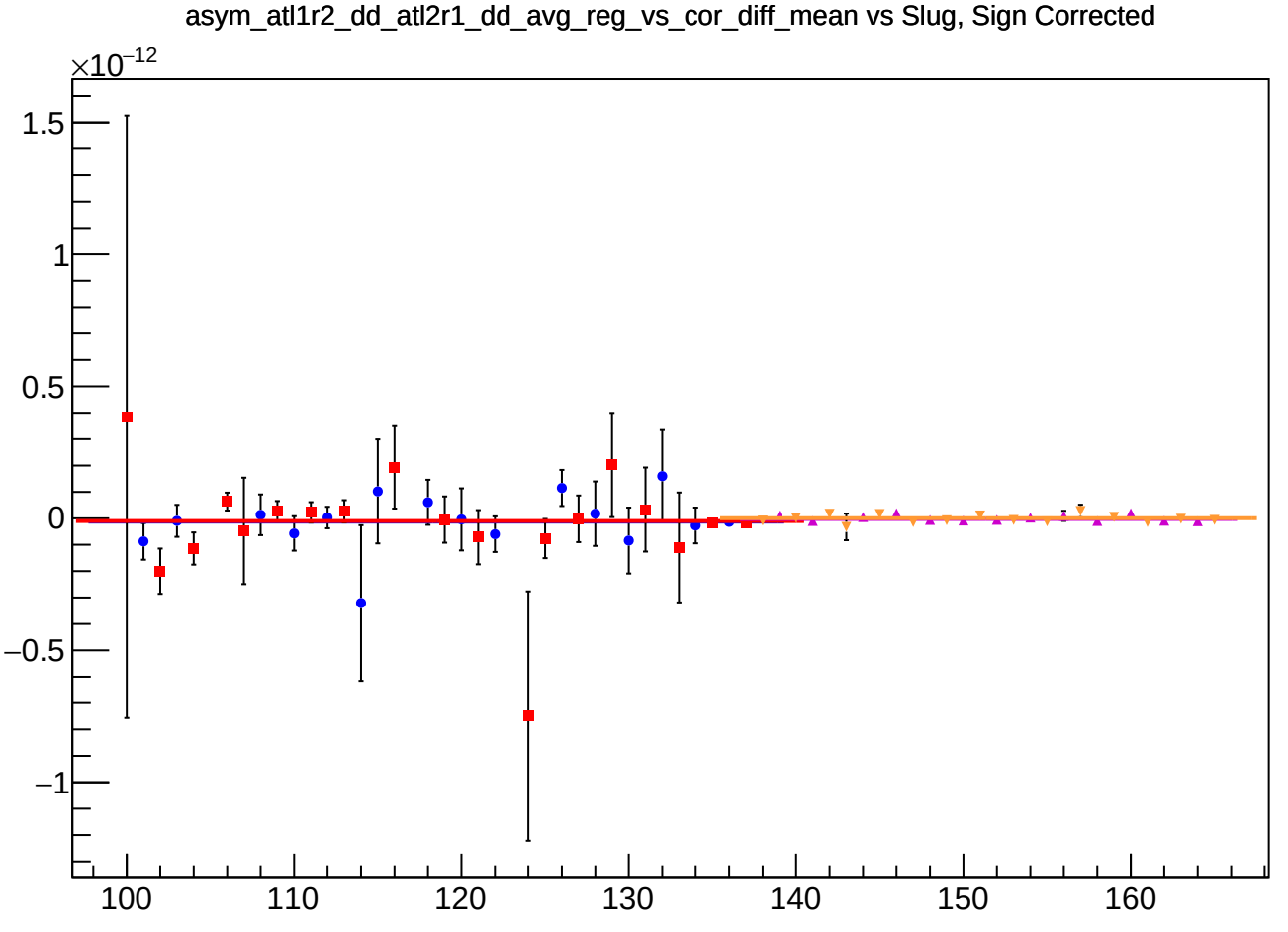
Left: 1333.074+/-0.198 χ^2/NDF: 484100.2/27

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1376.380+/-0.230 χ^2/NDF:711234.3/28

Out: 1393.969+/-0.229 χ^2/NDF:1187308.4/33

All: 1385.229+/-0.162 χ^2/NDF: 1901473.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

Left: -0.000+/-0.000 χ^2/NDF: 28.3/27

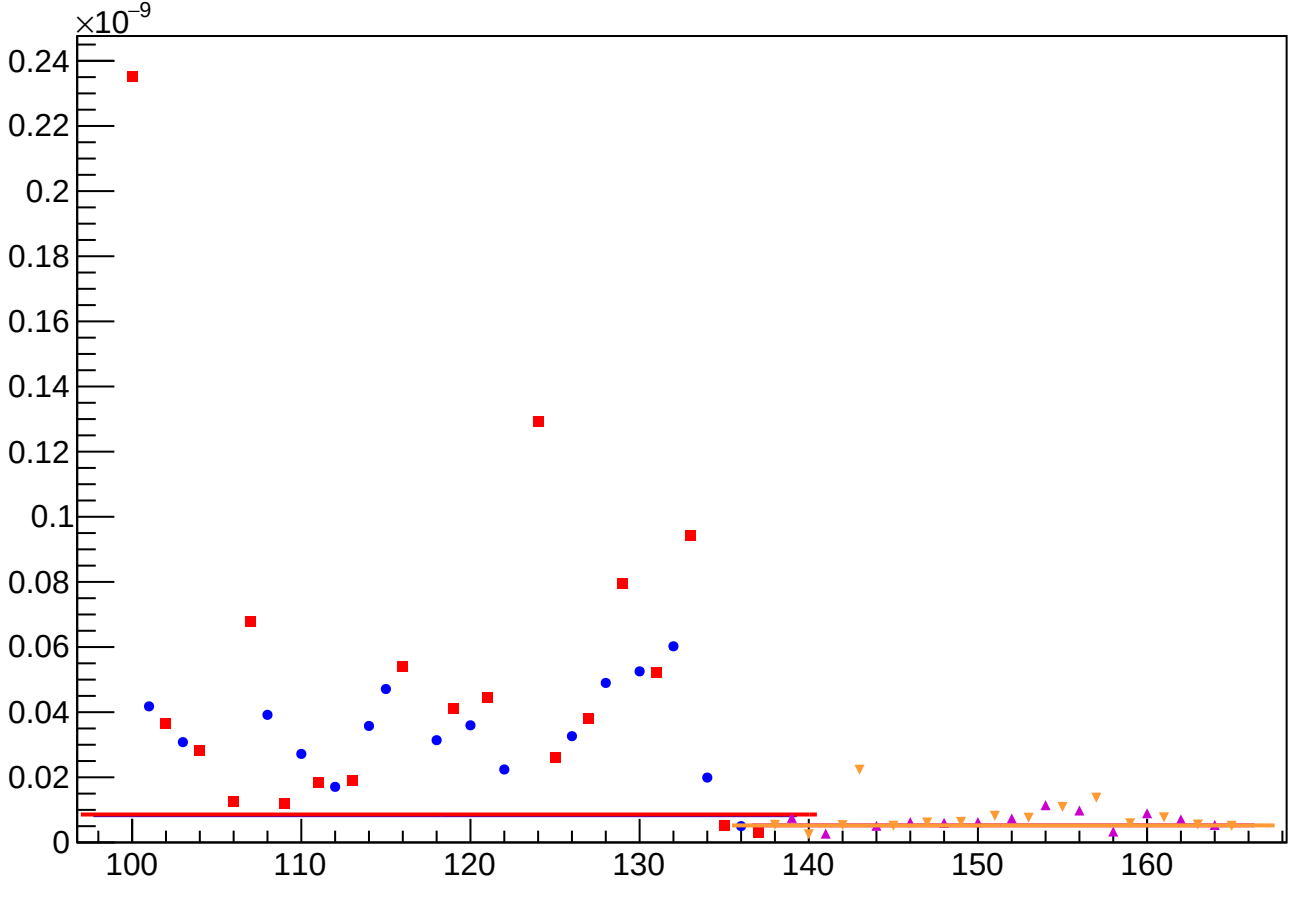
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:38.0/33

All: -0.000+/-0.000 χ^2/NDF: 63.4/62

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619478.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

Left: 0.000+/-0.000 χ^2/NDF: 2871790.6/27

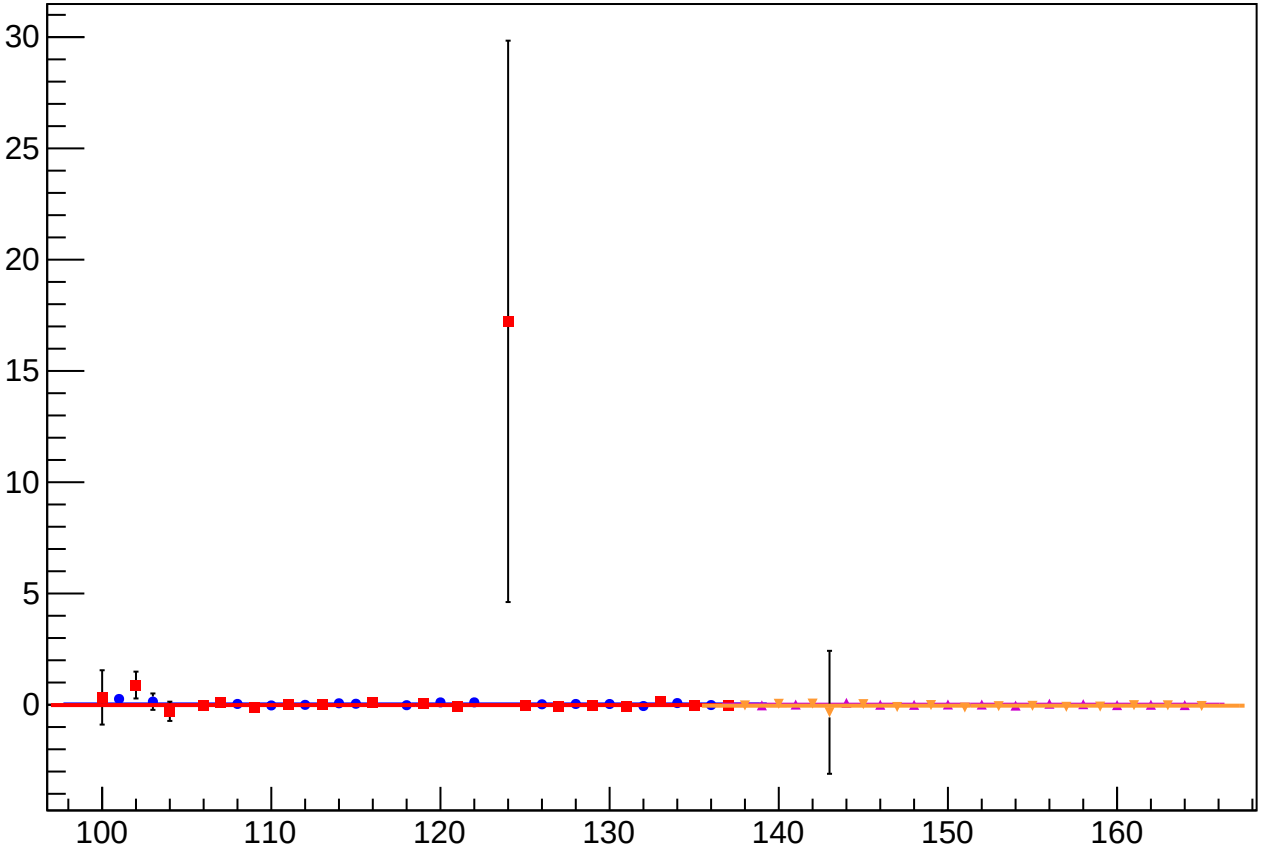
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4619852.7/28

Out: 0.000+/-0.000 χ^2/NDF:5282980.8/33

All: 0.000+/-0.000 χ^2/NDF: 9904083.5/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

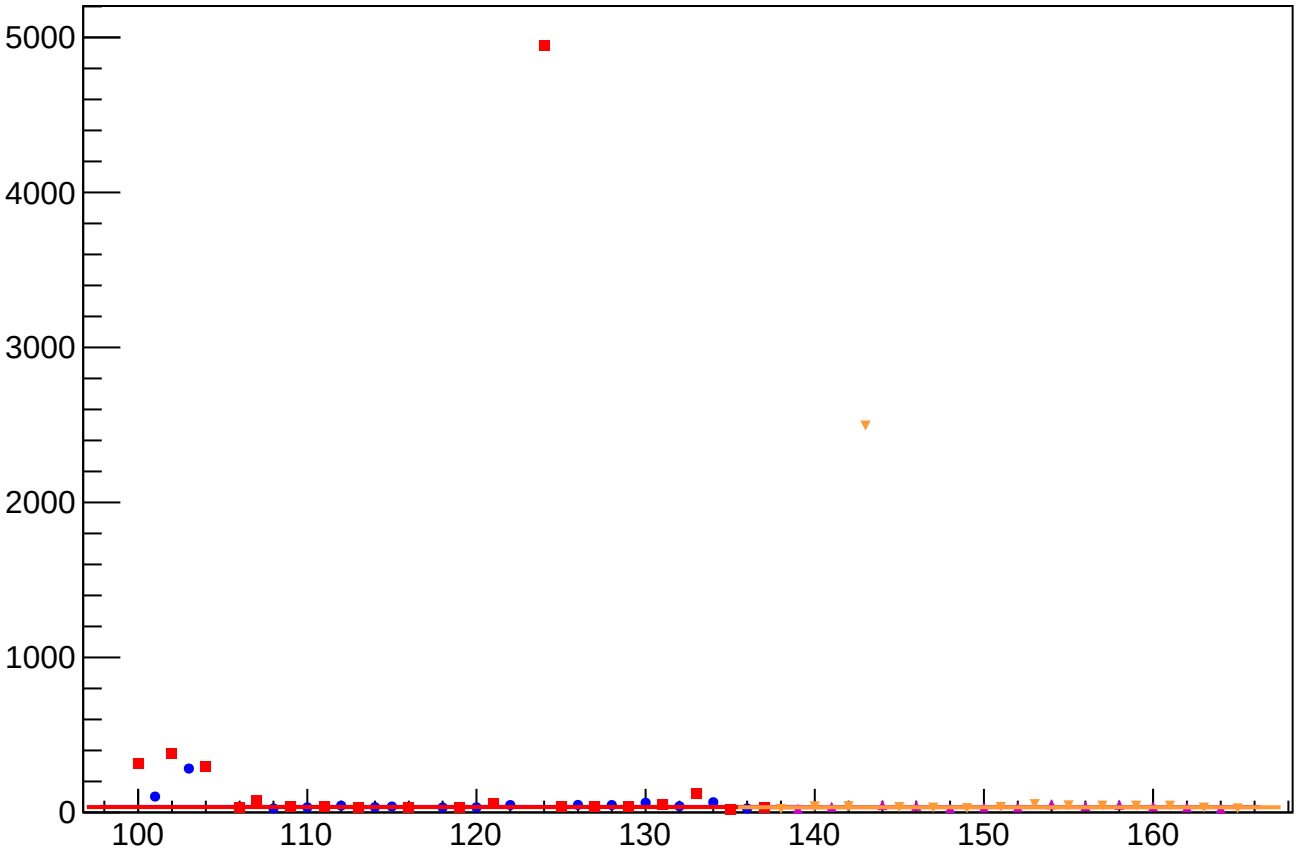
Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

Left: 33.880+/-0.006 χ^2/NDF: 3761503.3/27

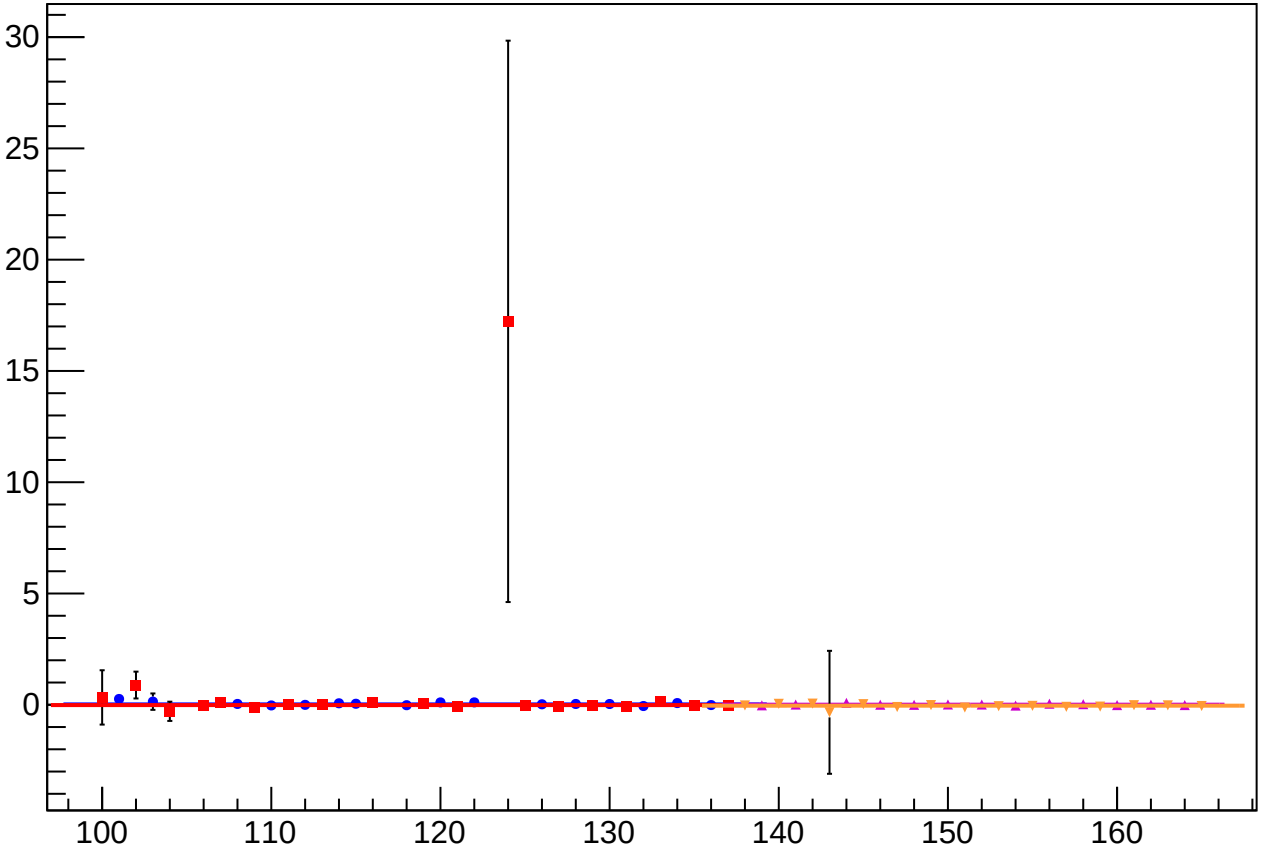
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

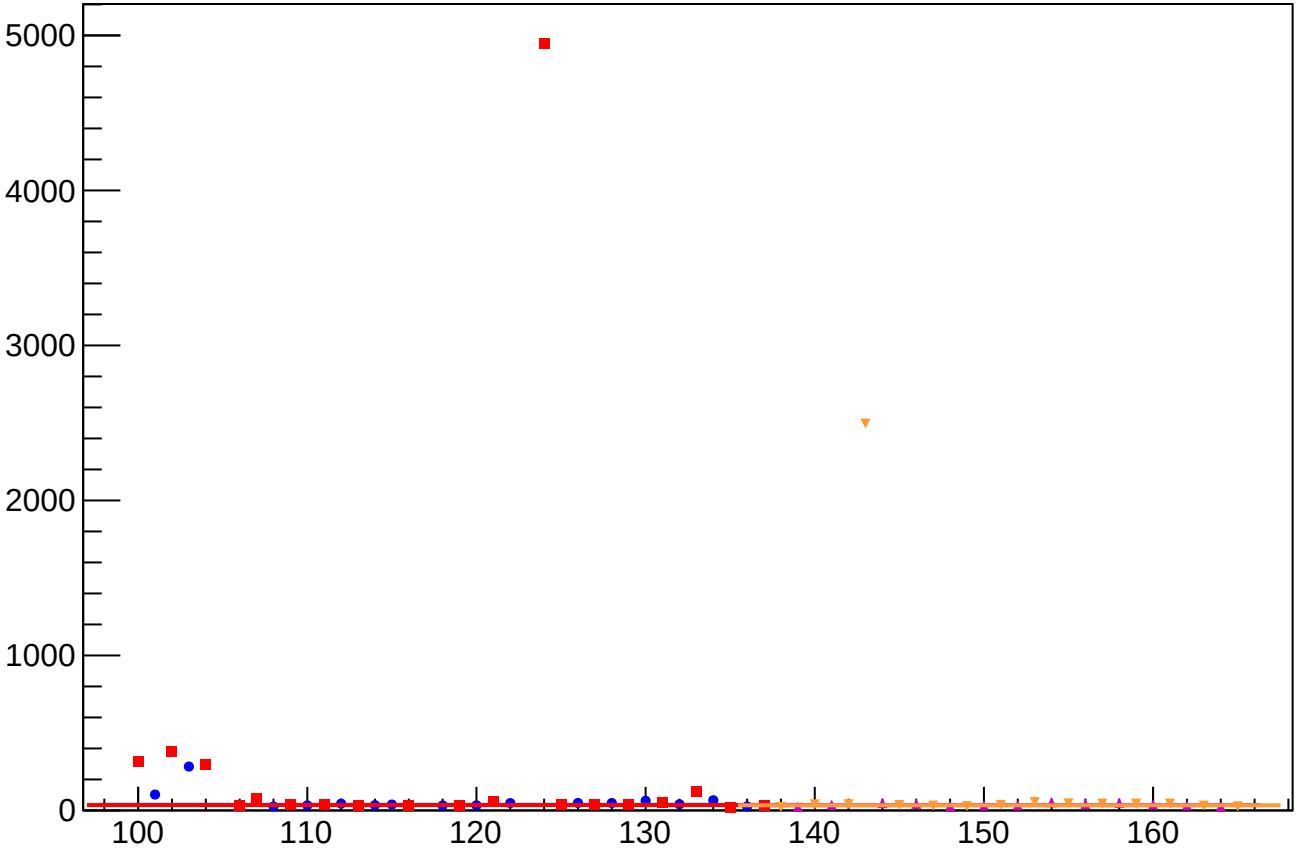
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62

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: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

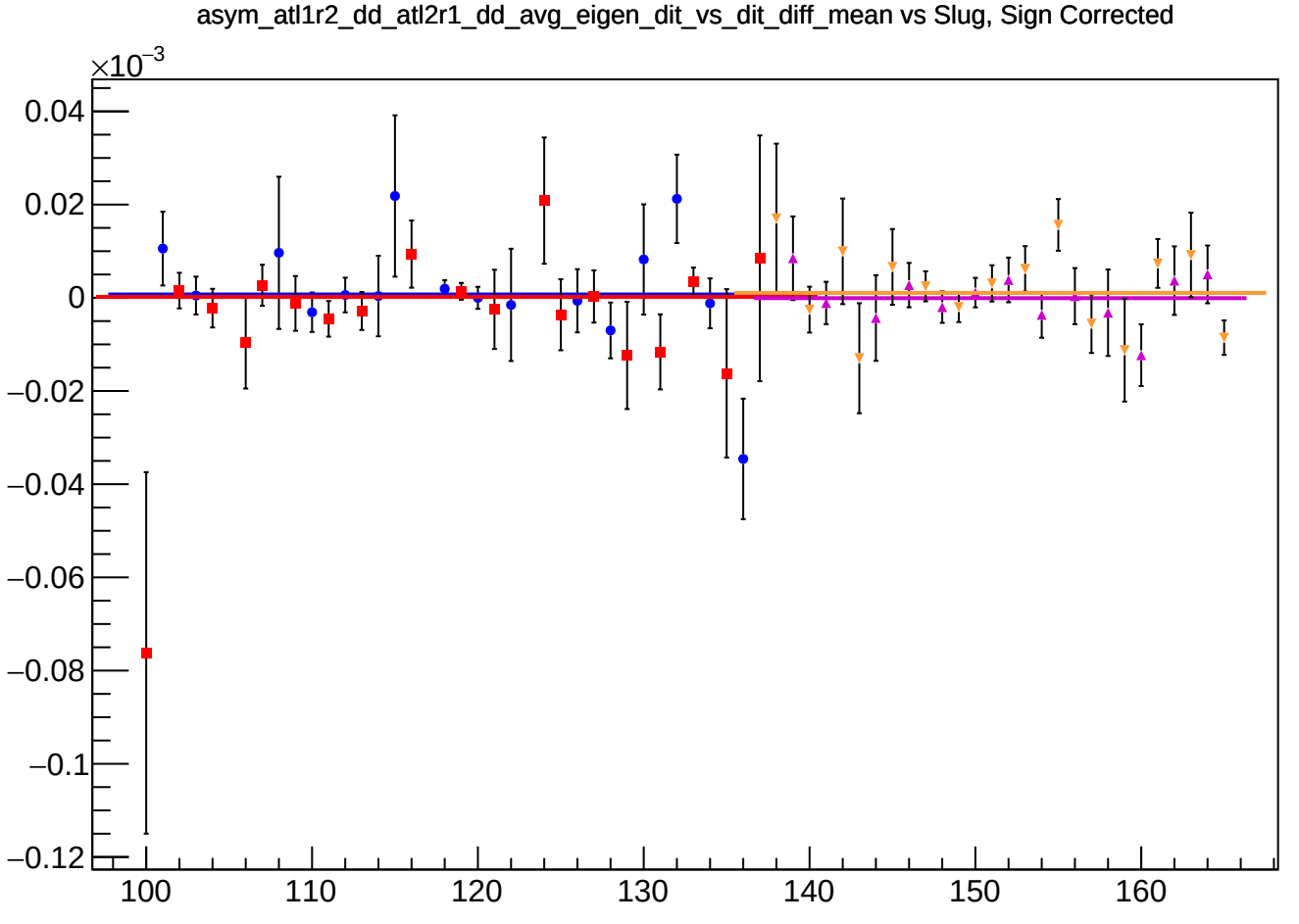
Left: 33.880+/-0.006 χ^2/NDF: 3761503.3/27

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

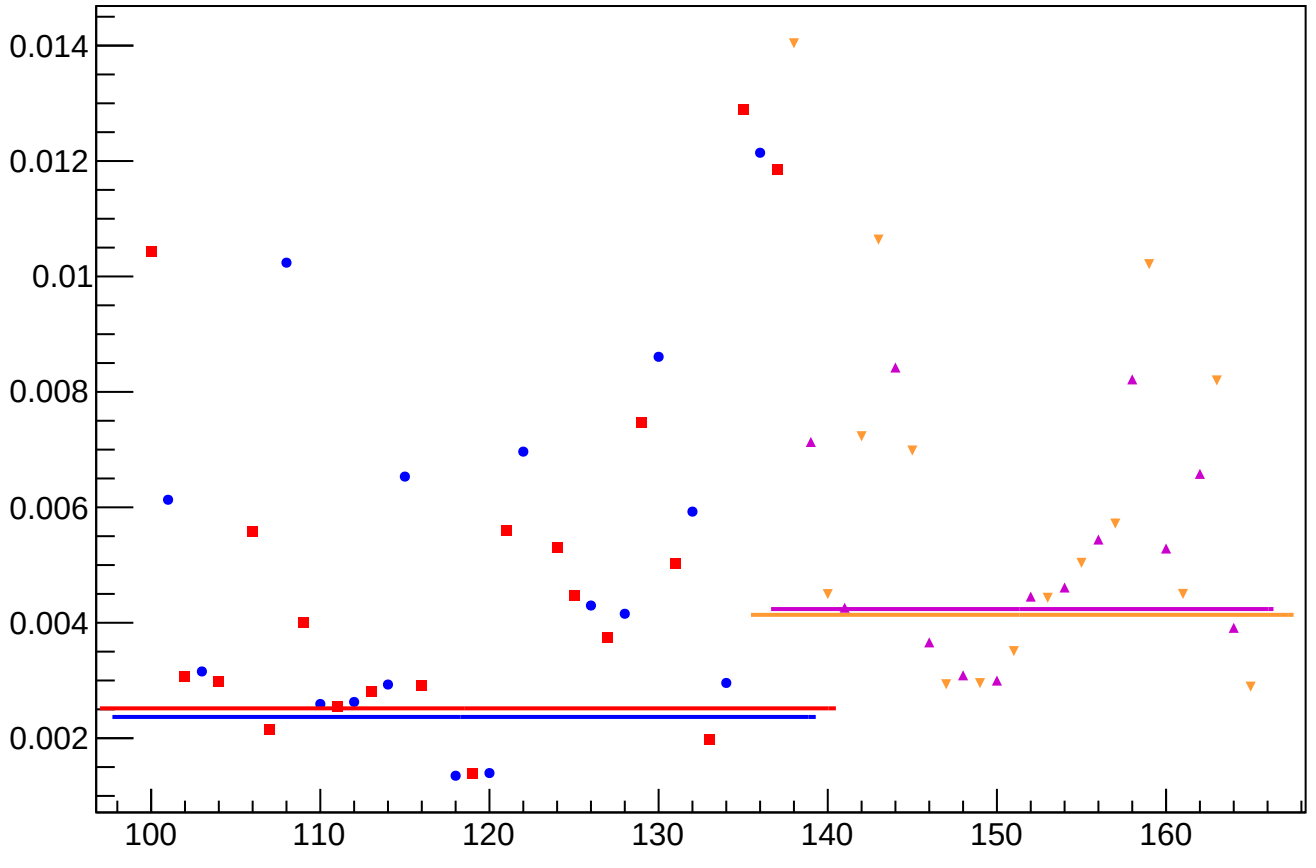
Left: 0.000+/-0.000 χ^2/NDF: 32.7/27

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.9/28

Out: 0.000+/-0.000 χ^2/NDF:43.1/33

All: 0.000+/-0.000 χ^2/NDF: 70.0/62



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3800172.6/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

Left: 0.004+/-0.000 χ^2/NDF: 5716933.0/27

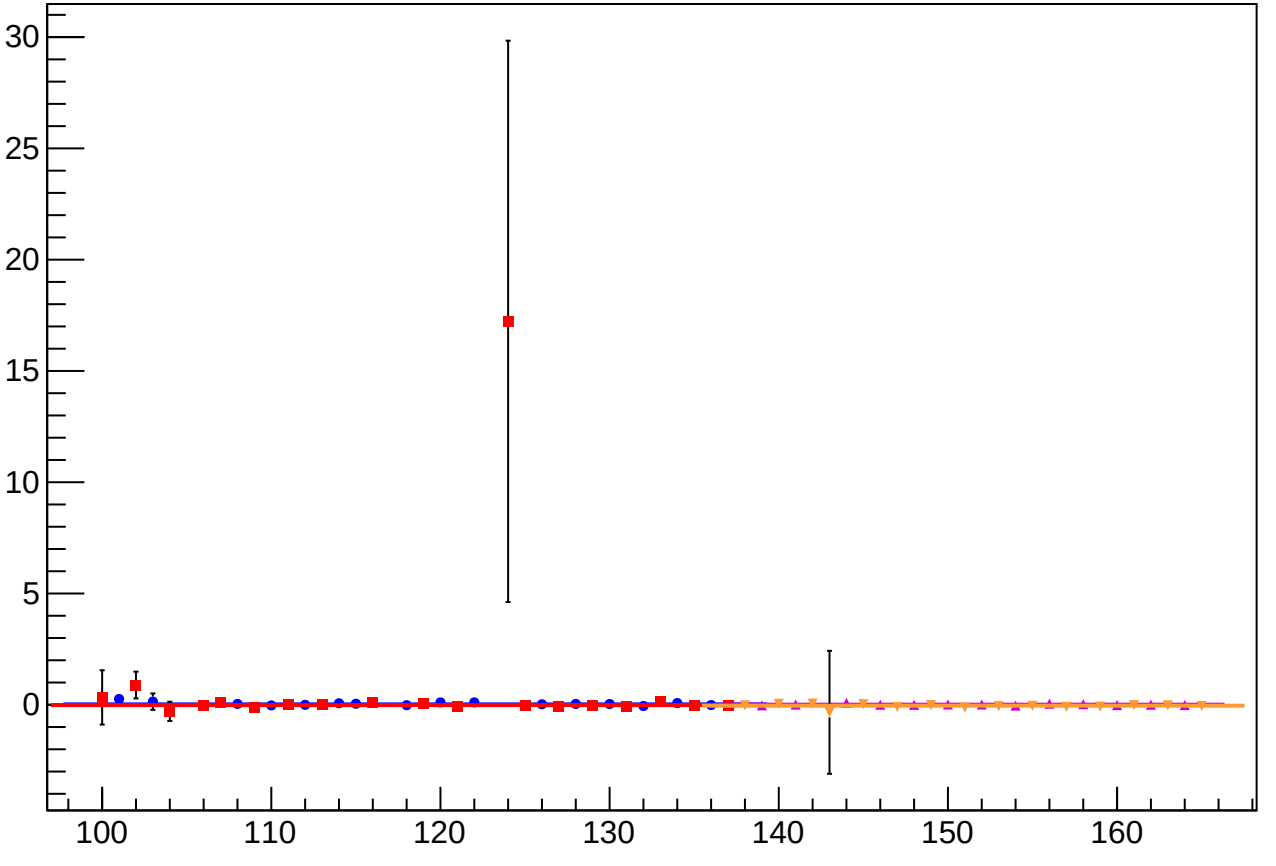
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8789630.1/28

Out: 0.003+/-0.000 χ^2/NDF:9001628.3/33

All: 0.003+/-0.000 χ^2/NDF: 17798764.2/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

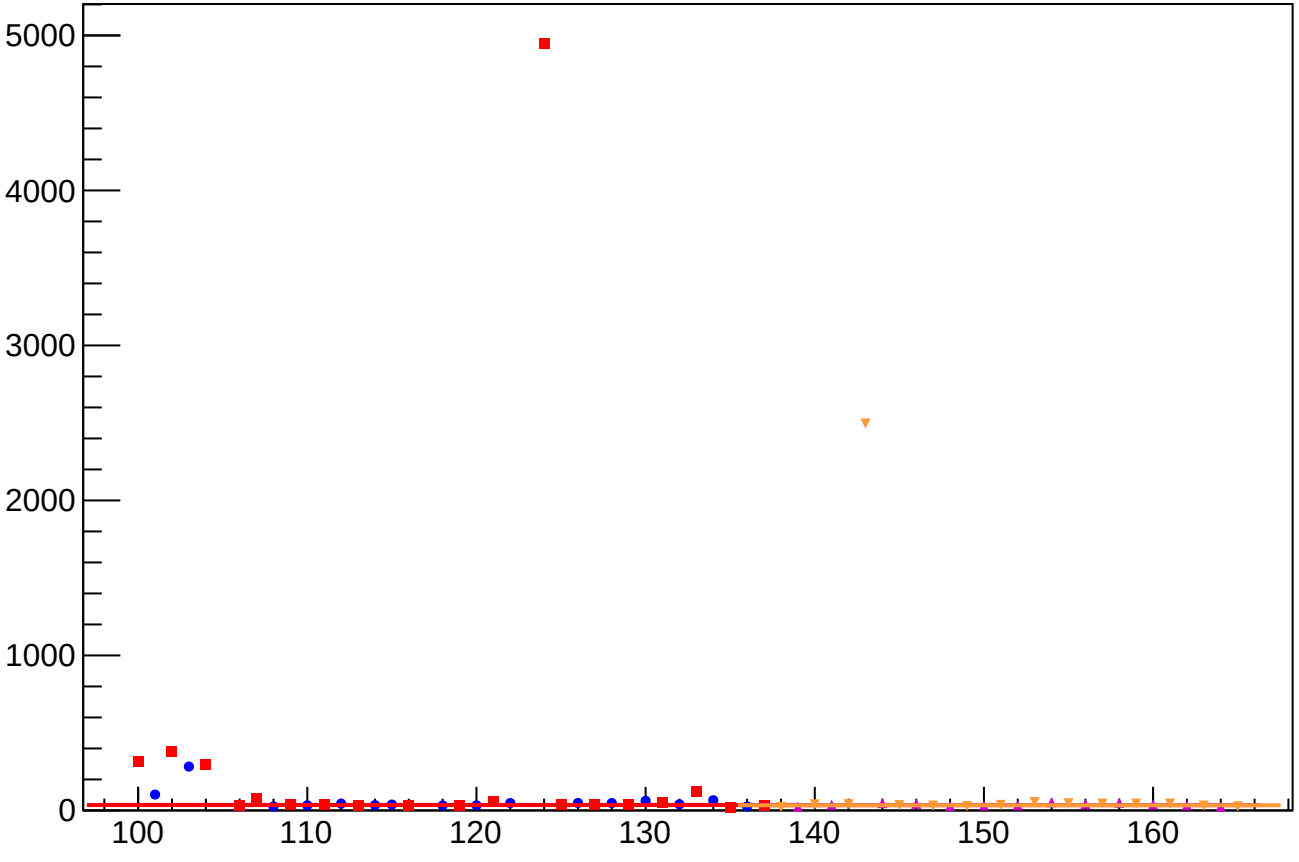
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62

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: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

Left: 33.879+/-0.006 χ^2/NDF: 3762475.5/27

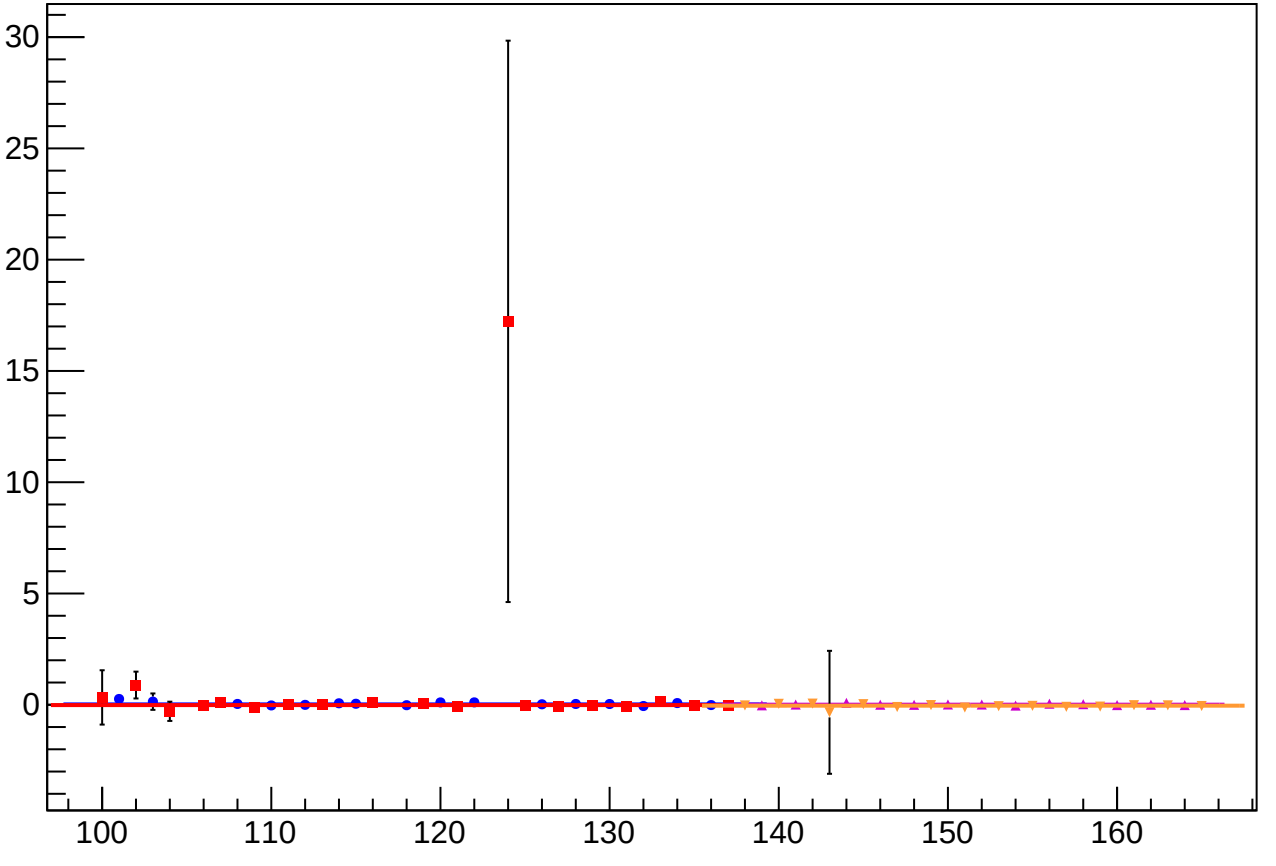
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62

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: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.019+/-0.008 χ^2/NDF: 31.2/27

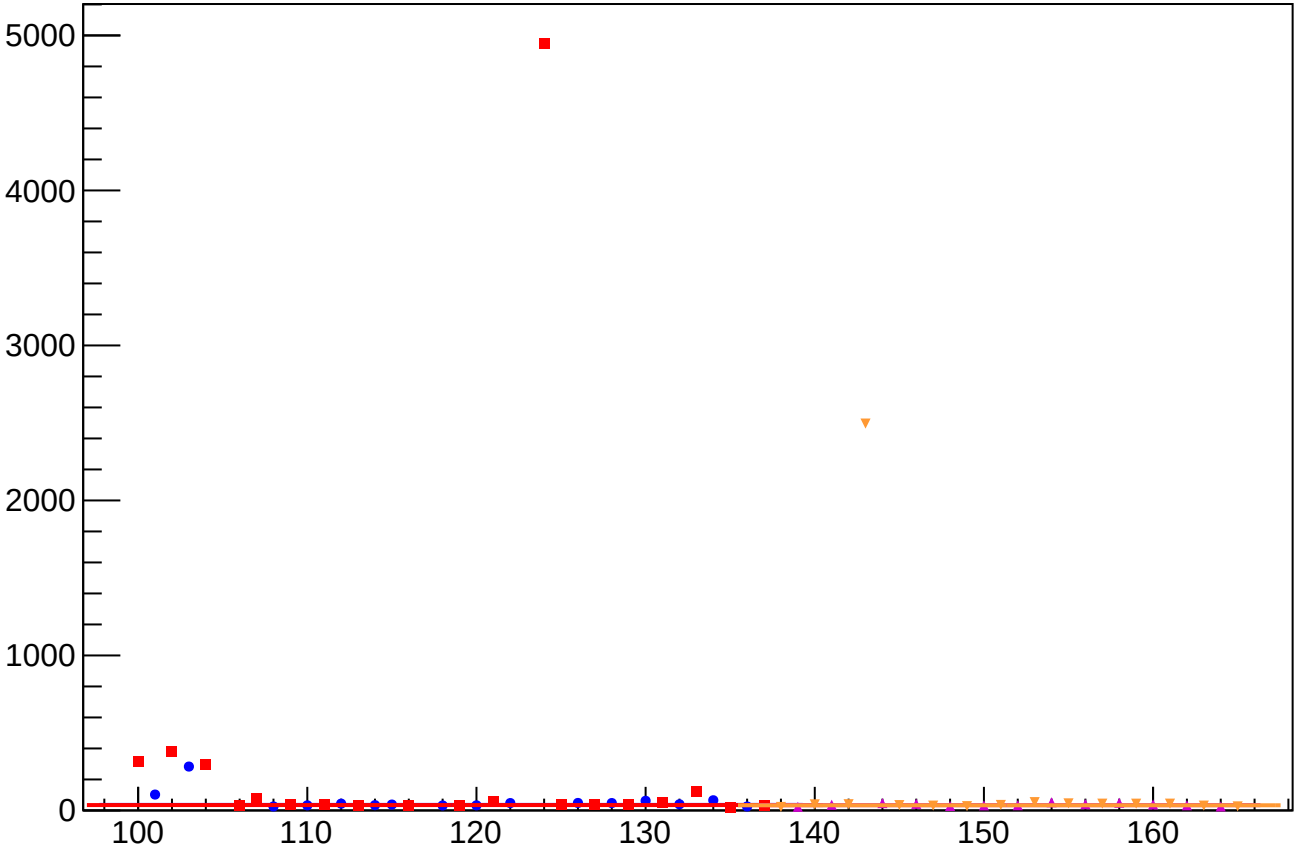
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.012+/-0.006 χ^2/NDF: 62.9/62

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: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

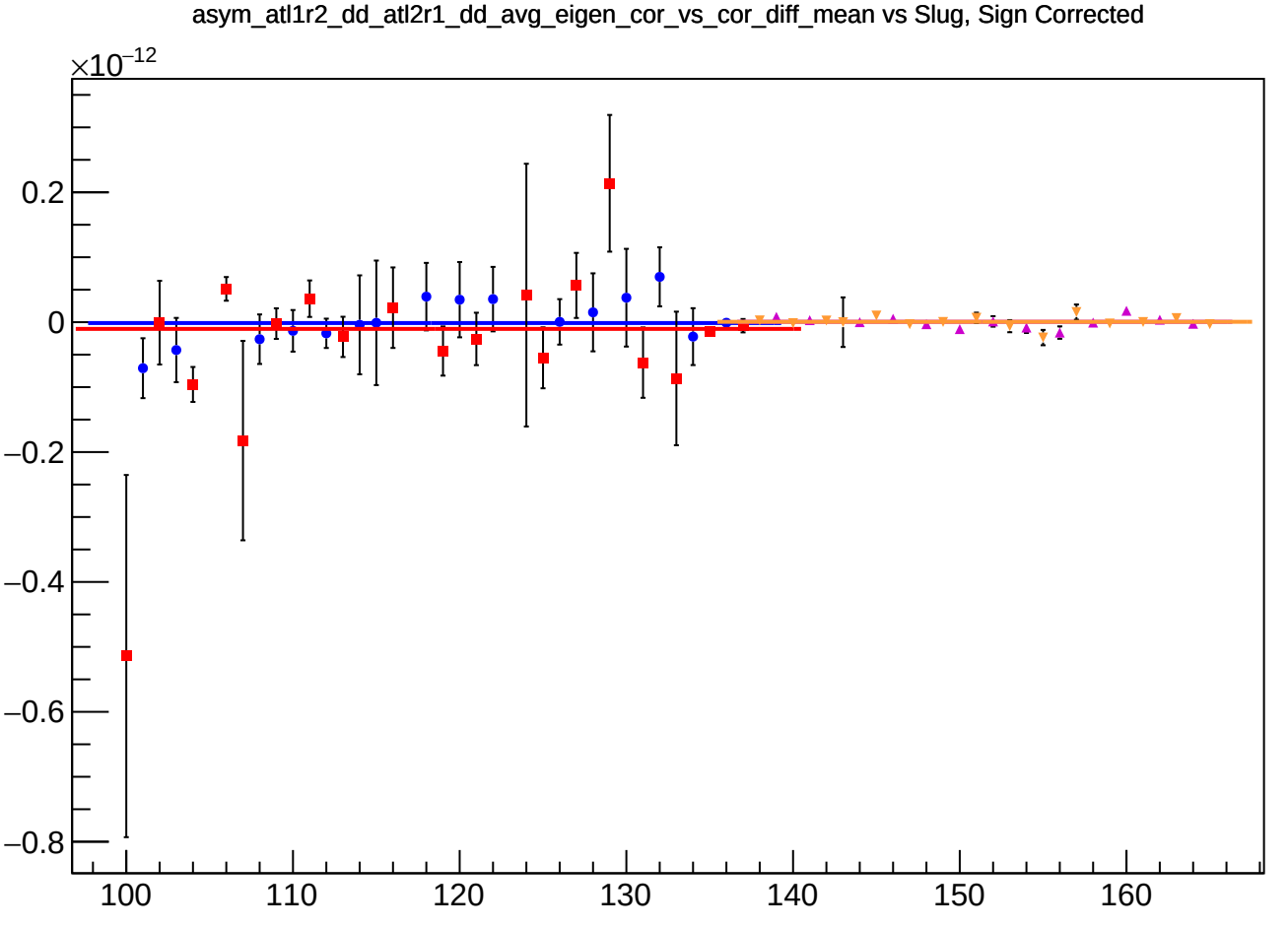
Left: 33.879+/-0.006 χ^2/NDF: 3762475.5/27

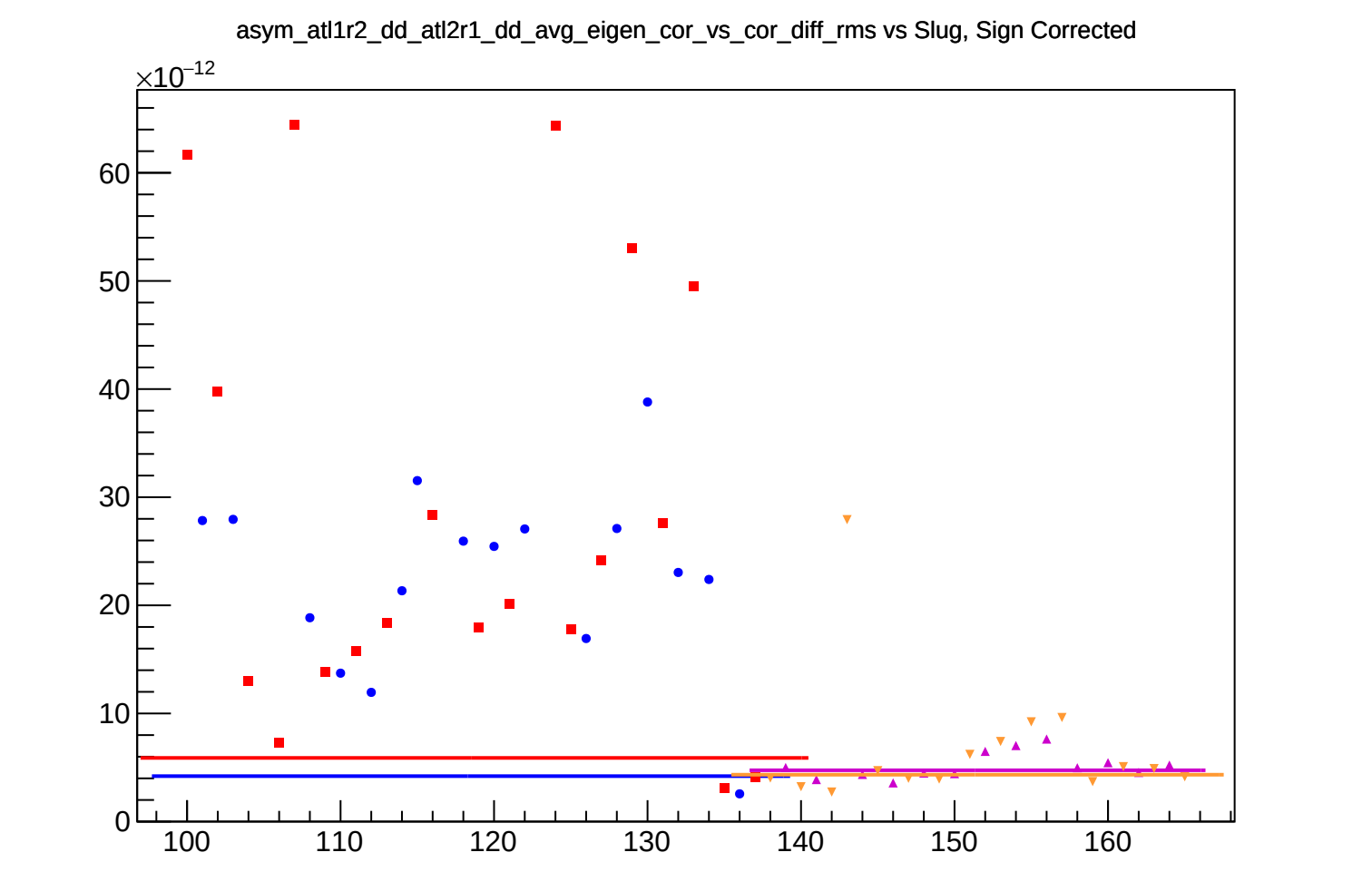
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:11.8/14
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:17.3/12
Left: 0.000+/-0.000 χ²/NDF: 29.1/27
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:26.2/28
Out: -0.000+/-0.000 χ²/NDF:57.6/33
All: -0.000+/-0.000 χ²/NDF: 84.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2297586.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:665655.2/12

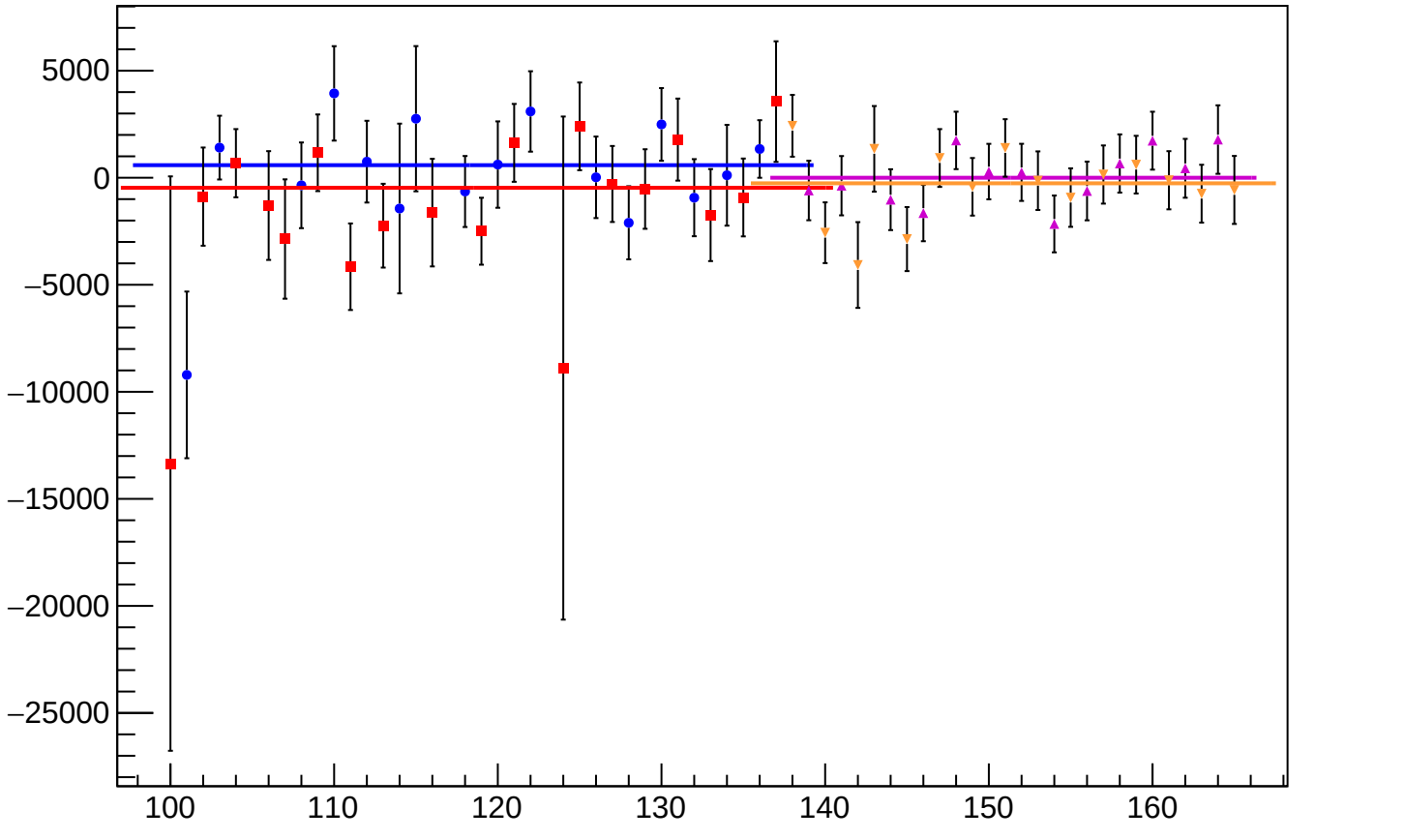
Left: 0.000+/-0.000 χ^2/NDF: 3023661.4/27

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5785958.1/28

Out: 0.000+/-0.000 χ^2/NDF:7399291.7/33

All: 0.000+/-0.000 χ^2/NDF: 13189456.0/62



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.378+/-371.977 χ^2/NDF:16.6/14

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -0.394+/-379.805 χ^2/NDF:10.2/12

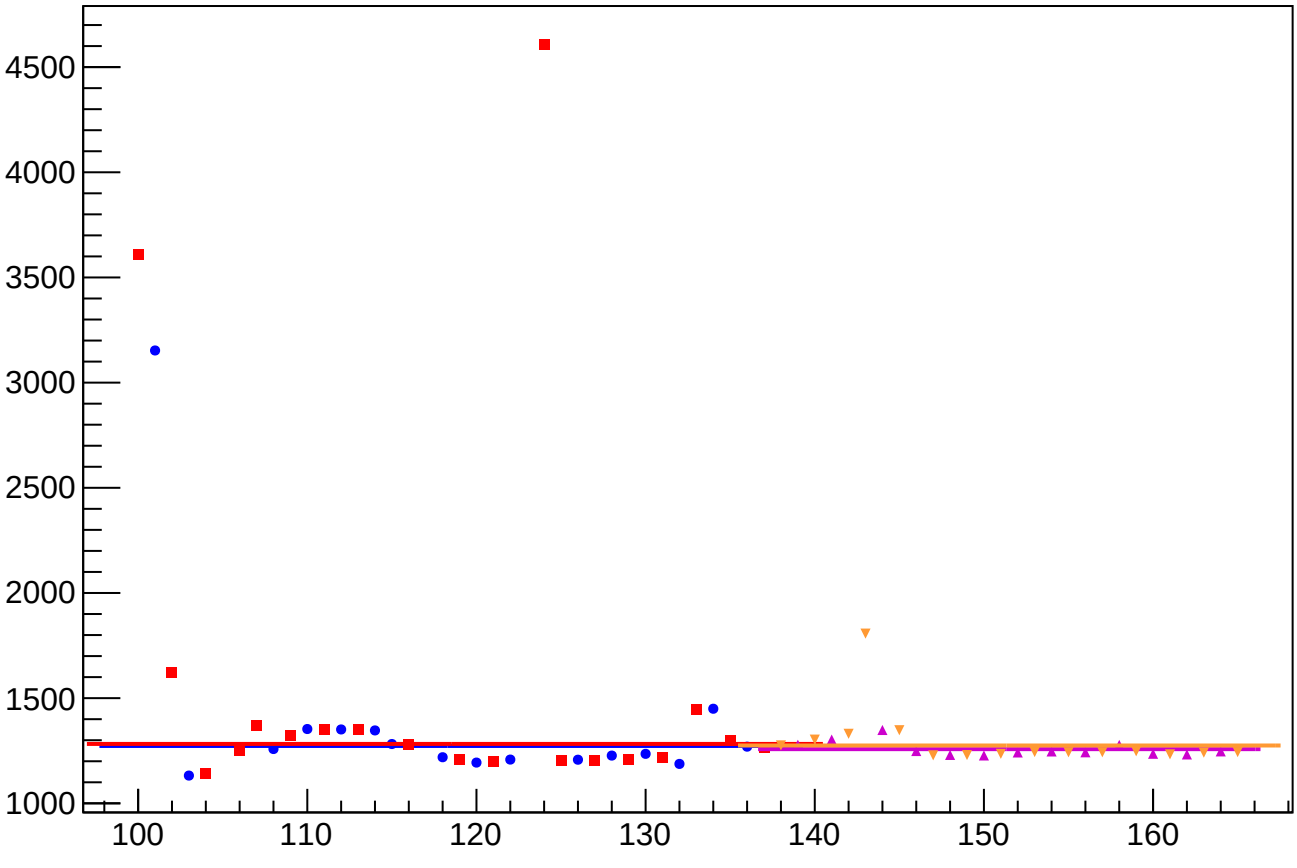
Left: -133.093+/-265.752 χ^2/NDF: 27.1/27

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 224.340+/-298.422 χ^2/NDF:28.2/28

Out: -338.556+/-294.141 χ^2/NDF:33.6/33

All: -61.174+/-209.486 χ^2/NDF: 63.6/62



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

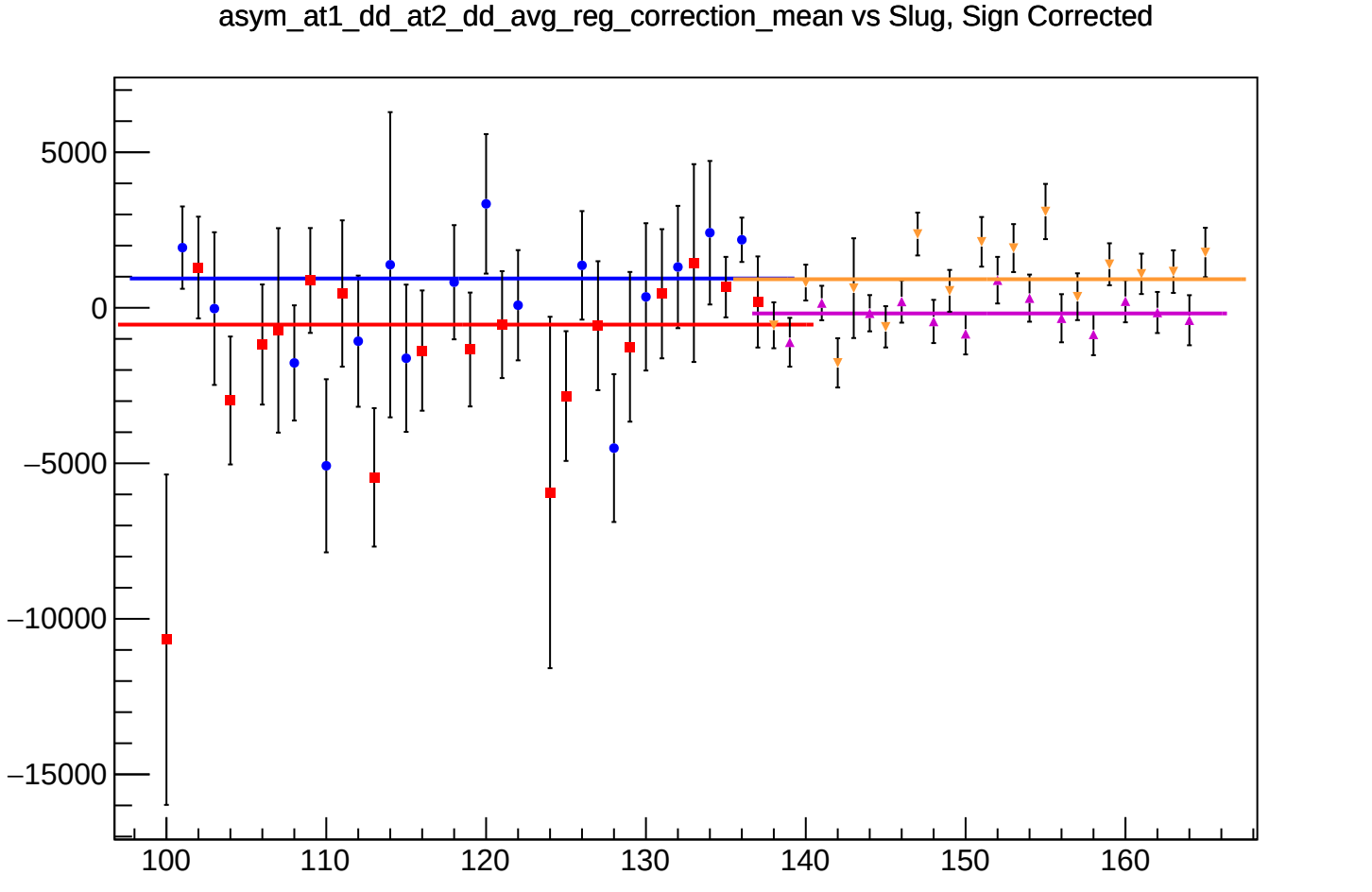
Left: 1266.431+/-0.188 χ^2/NDF: 180369.3/27

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

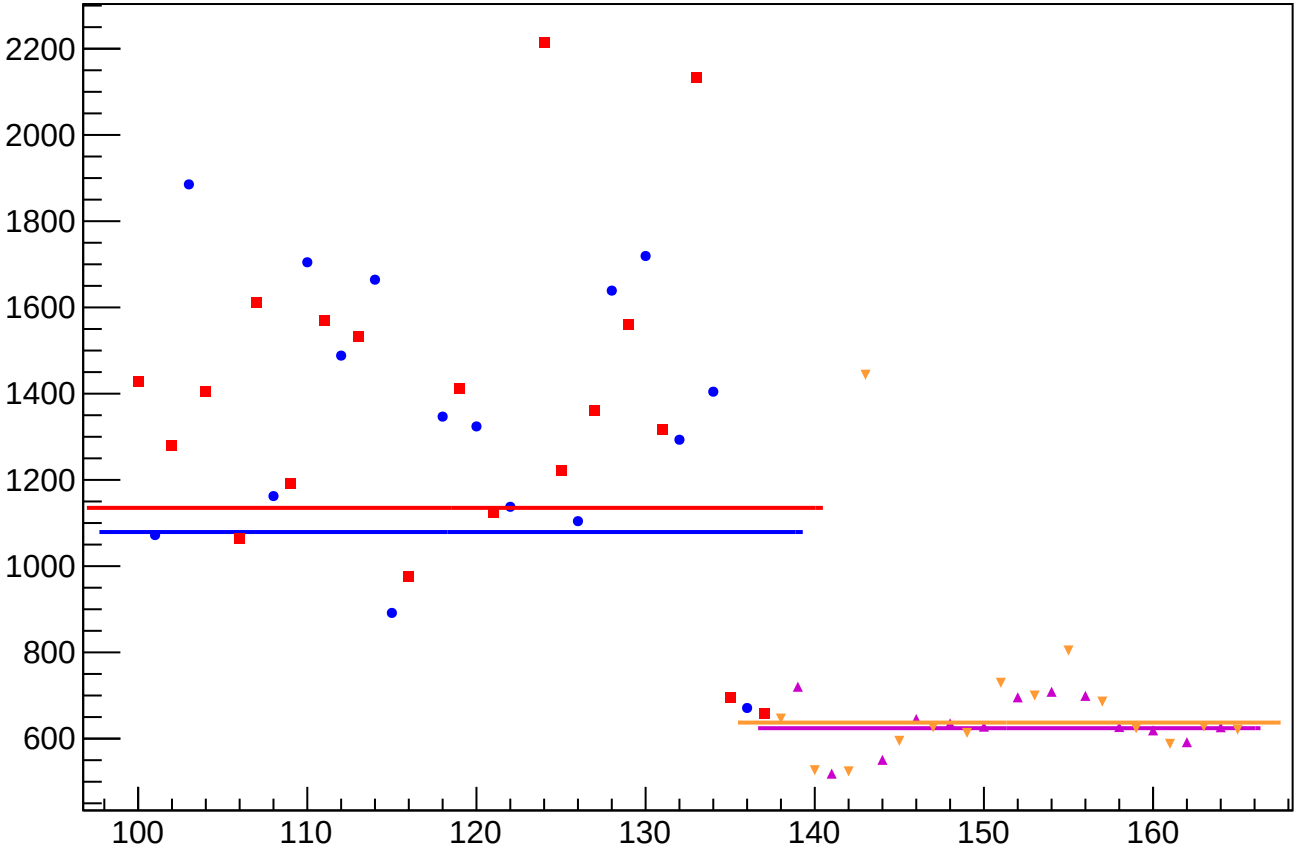
In: 1263.406+/-0.211 χ^2/NDF:535742.5/28

Out: 1277.709+/-0.208 χ^2/NDF:485406.1/33

All: 1270.661+/-0.148 χ^2/NDF: 1023478.9/62


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 918.738+/-188.961 χ²/NDF:38.1/14
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -181.537+/-189.763 χ²/NDF:7.1/12
Left: 370.931+/-133.898 χ²/NDF: 62.1/27
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 4.571+/-173.332 χ²/NDF:32.8/28
Out: 691.413+/-173.621 χ²/NDF:64.6/33
All: 347.419+/-122.666 χ²/NDF: 105.2/62

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: 637.199+/-0.134 χ^2/NDF:764887.9/14

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

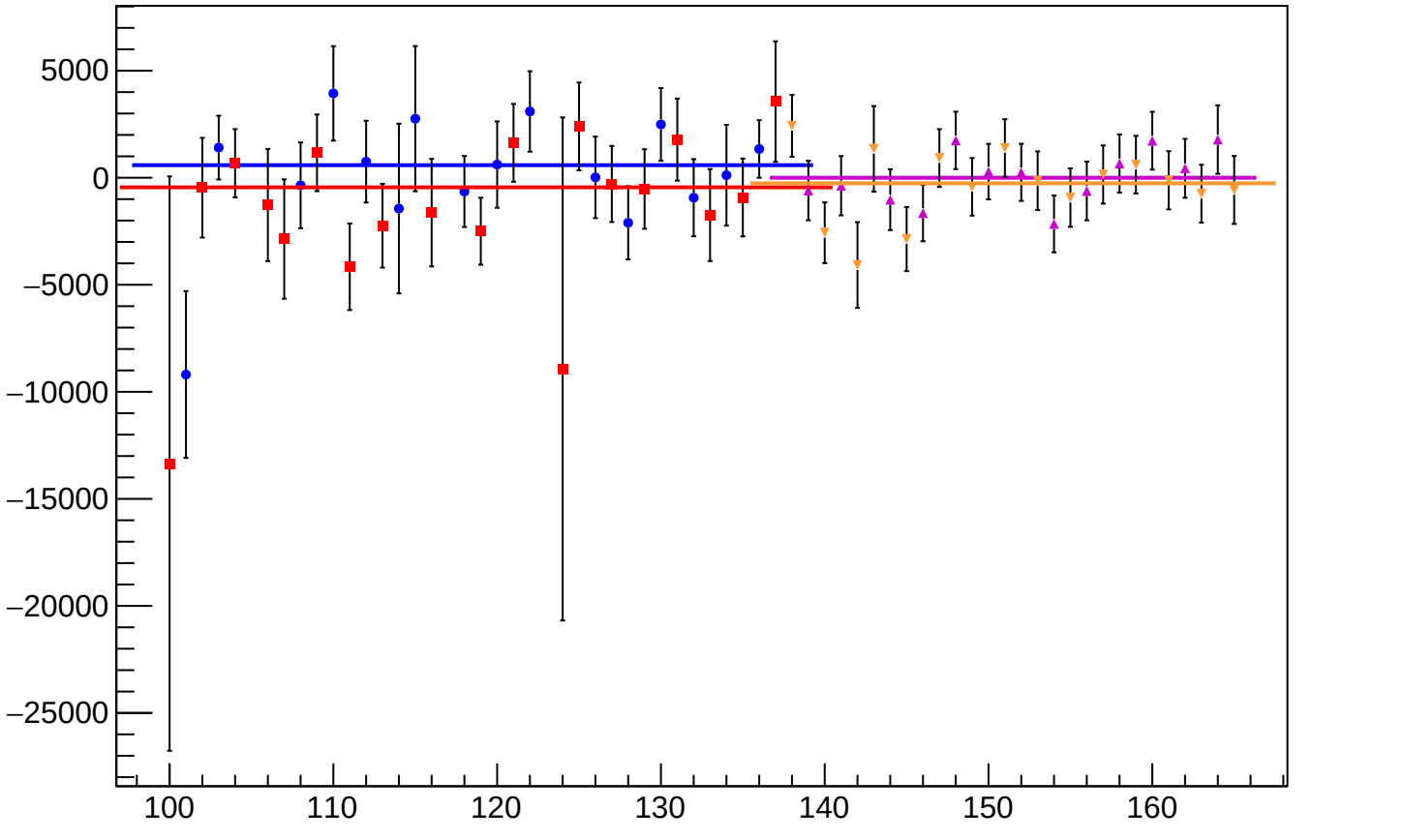
Left: 630.724+/-0.095 χ^2/NDF: 973156.7/27

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 699.566+/-0.123 χ^2/NDF:3590177.7/28

Out: 714.767+/-0.123 χ^2/NDF:4221511.9/33

All: 707.154+/-0.087 χ^2/NDF: 7819367.3/62



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -0.410+/-379.805 χ^2/NDF:10.2/12

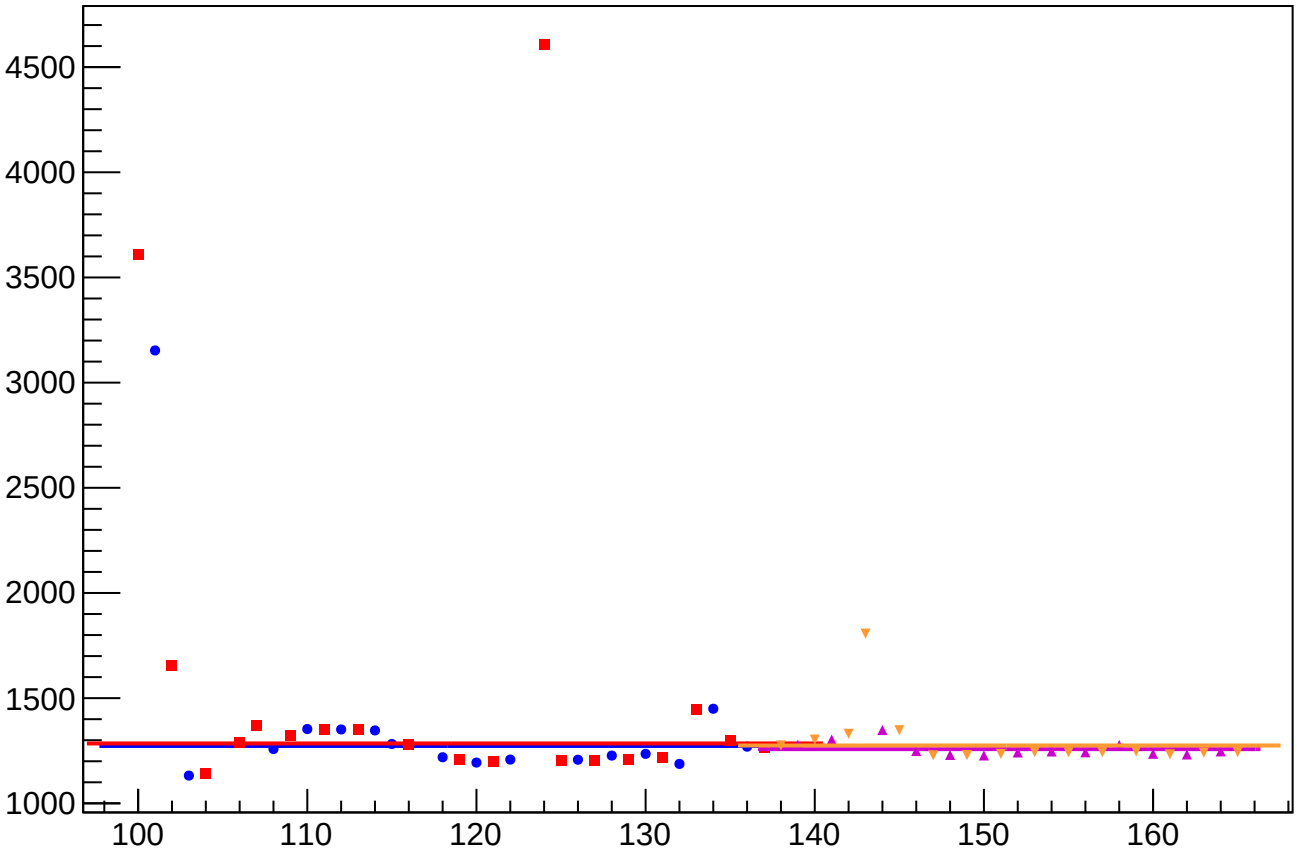
Left: -133.159+/-265.752 χ^2/NDF: 27.1/27

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.452+/-298.422 χ^2/NDF:28.2/28

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -56.987+/-209.554 χ^2/NDF: 63.5/62



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

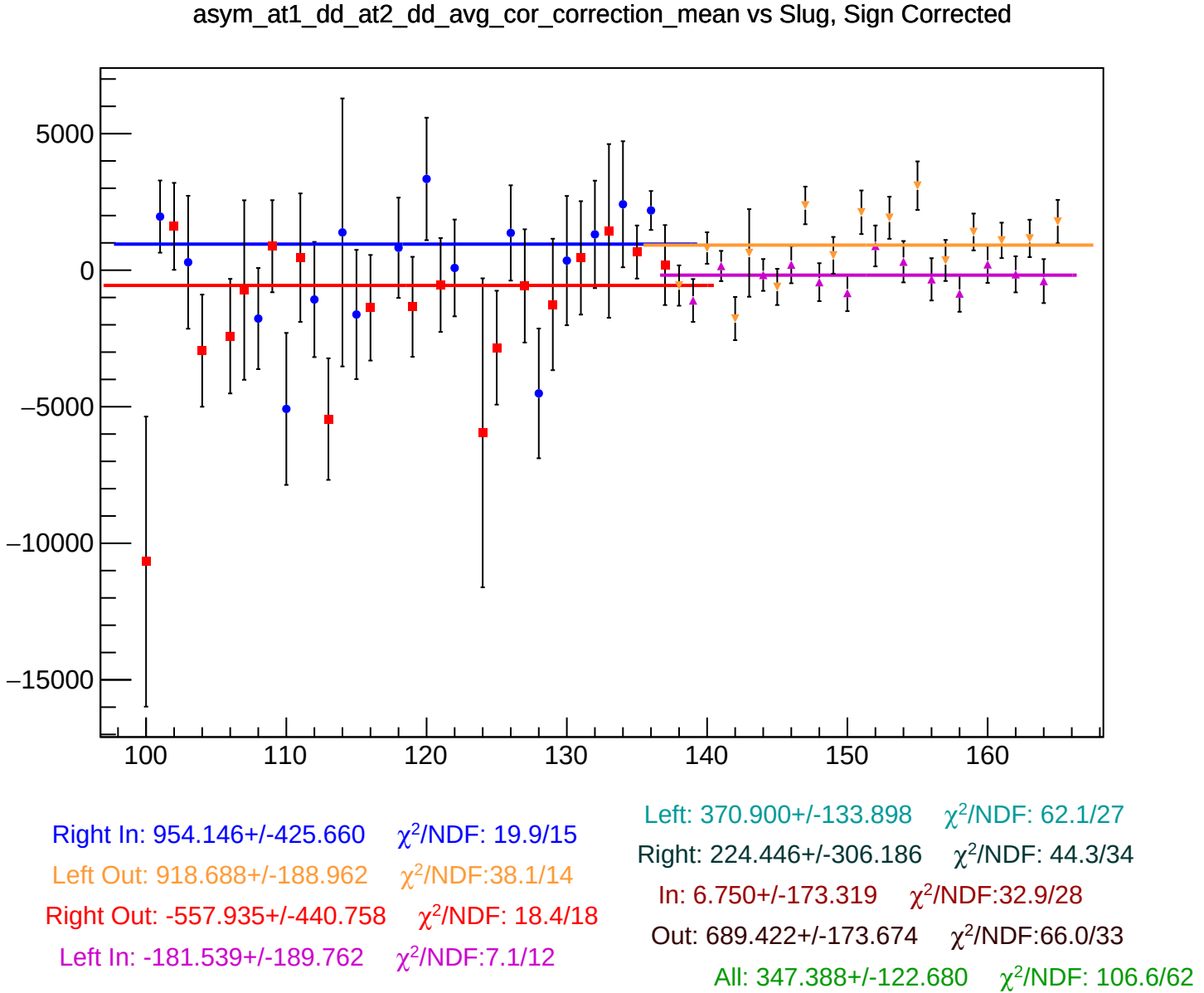
Left: 1266.431+/-0.188 χ^2/NDF: 180369.3/27

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

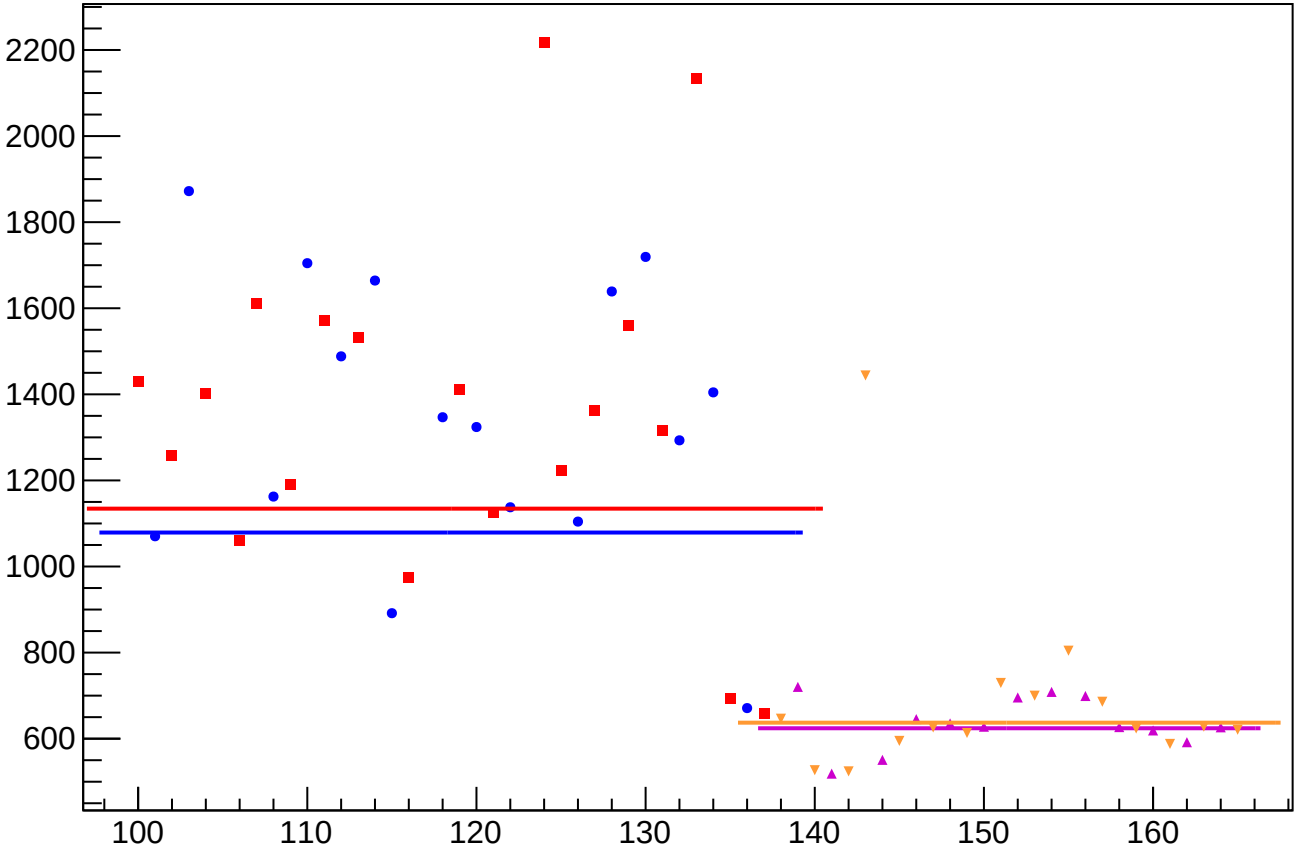
In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -181.539+/-189.762 χ²/NDF:7.1/12
Left: 370.900+/-133.898 χ²/NDF: 62.1/27
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 6.750+/-173.319 χ²/NDF:32.9/28
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 347.388+/-122.680 χ²/NDF: 106.6/62

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: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

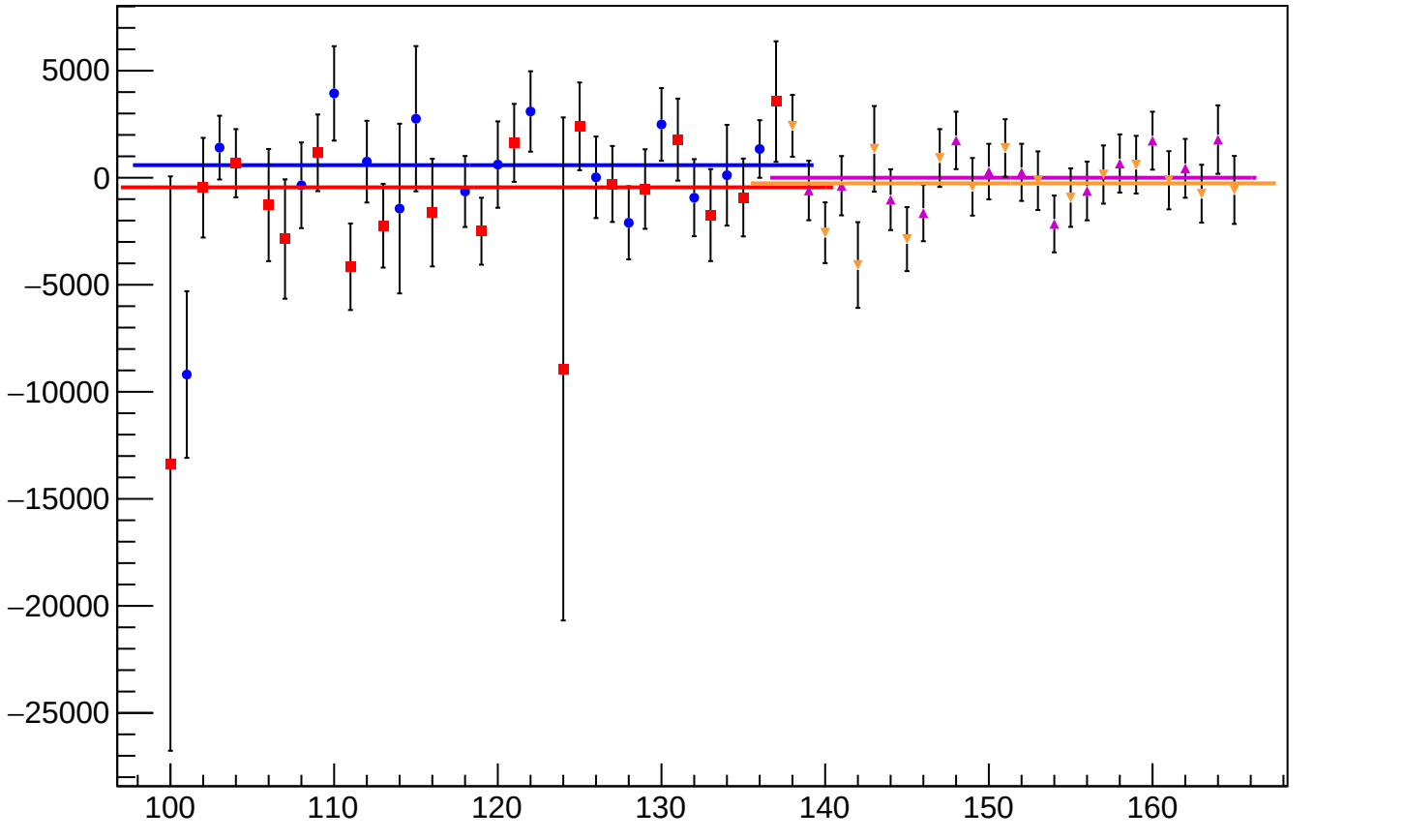
Left: 630.725+/-0.095 χ^2/NDF: 973100.1/27

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -0.410+/-379.805 χ^2/NDF:10.2/12

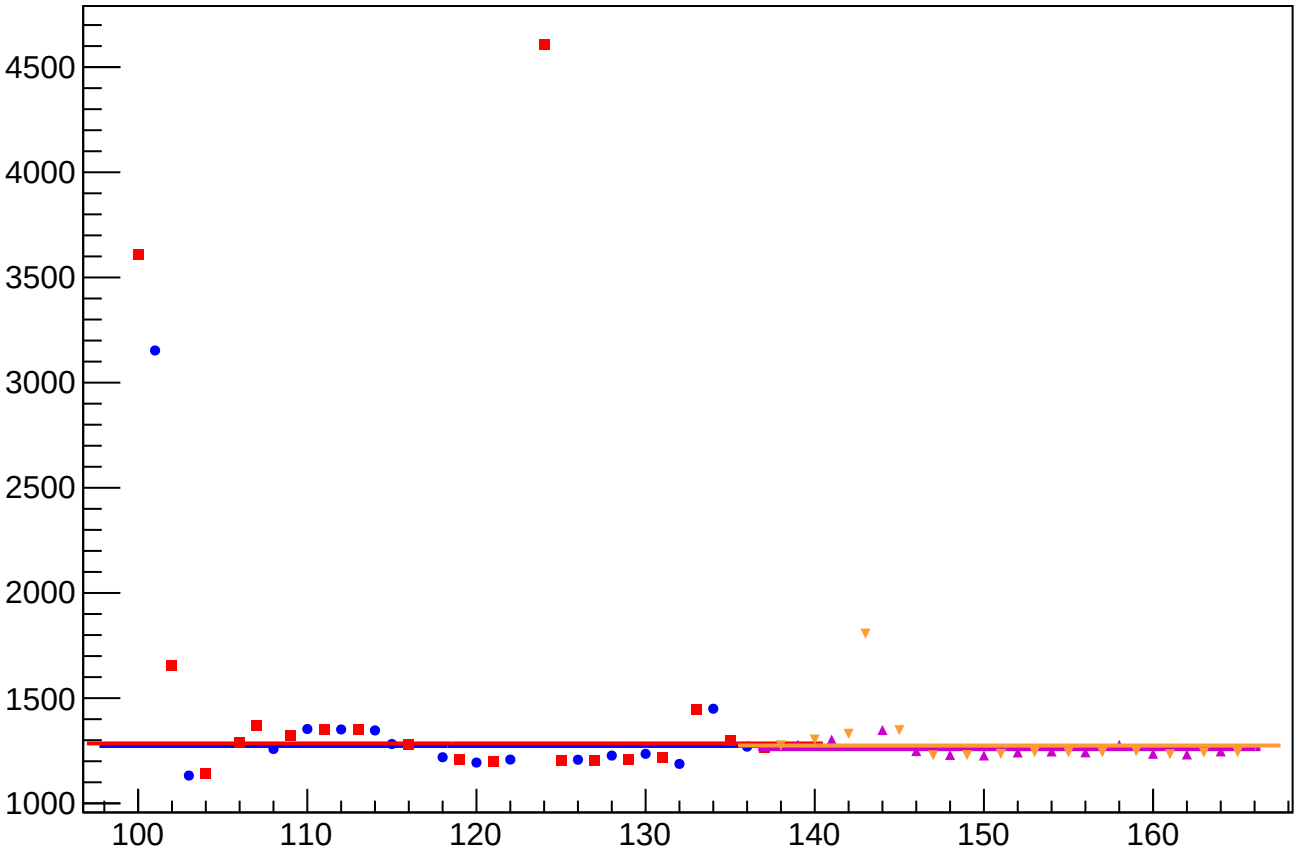
Left: -133.159+/-265.752 χ^2/NDF: 27.1/27

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.452+/-298.422 χ^2/NDF:28.2/28

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -56.987+/-209.554 χ^2/NDF: 63.5/62



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

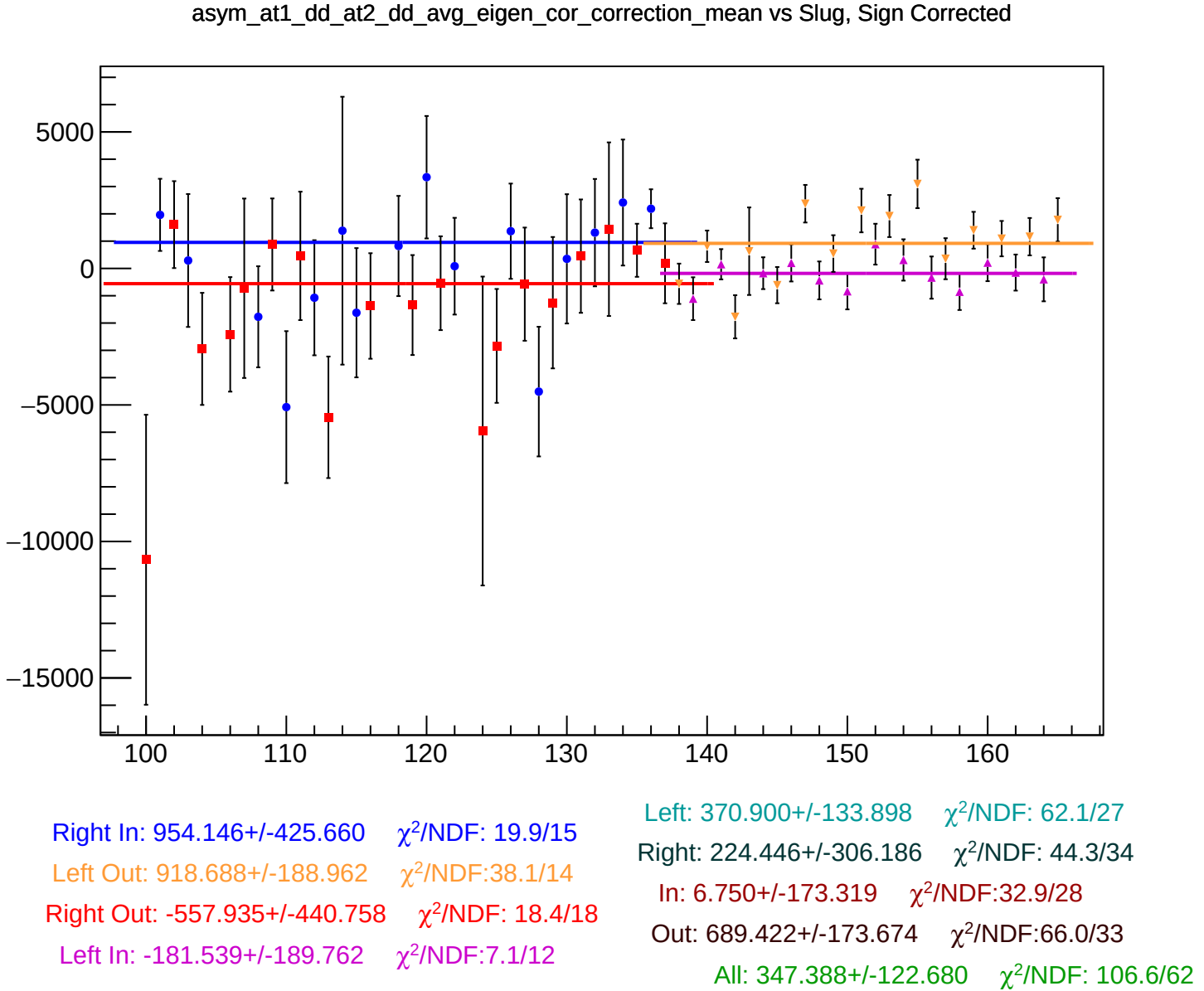
Left: 1266.431+/-0.188 χ^2/NDF: 180369.3/27

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

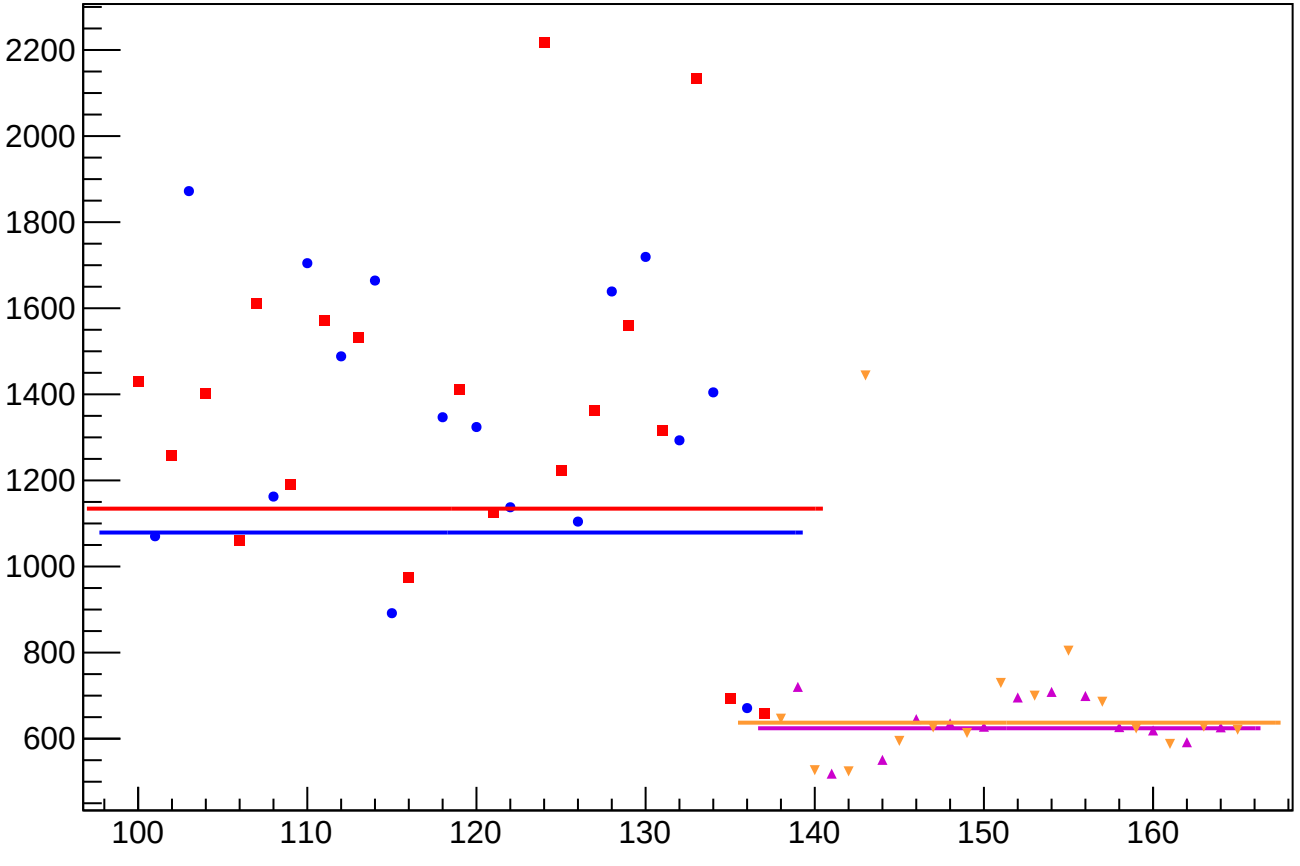
In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -181.539+/-189.762 χ²/NDF:7.1/12
Left: 370.900+/-133.898 χ²/NDF: 62.1/27
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 6.750+/-173.319 χ²/NDF:32.9/28
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 347.388+/-122.680 χ²/NDF: 106.6/62

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: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

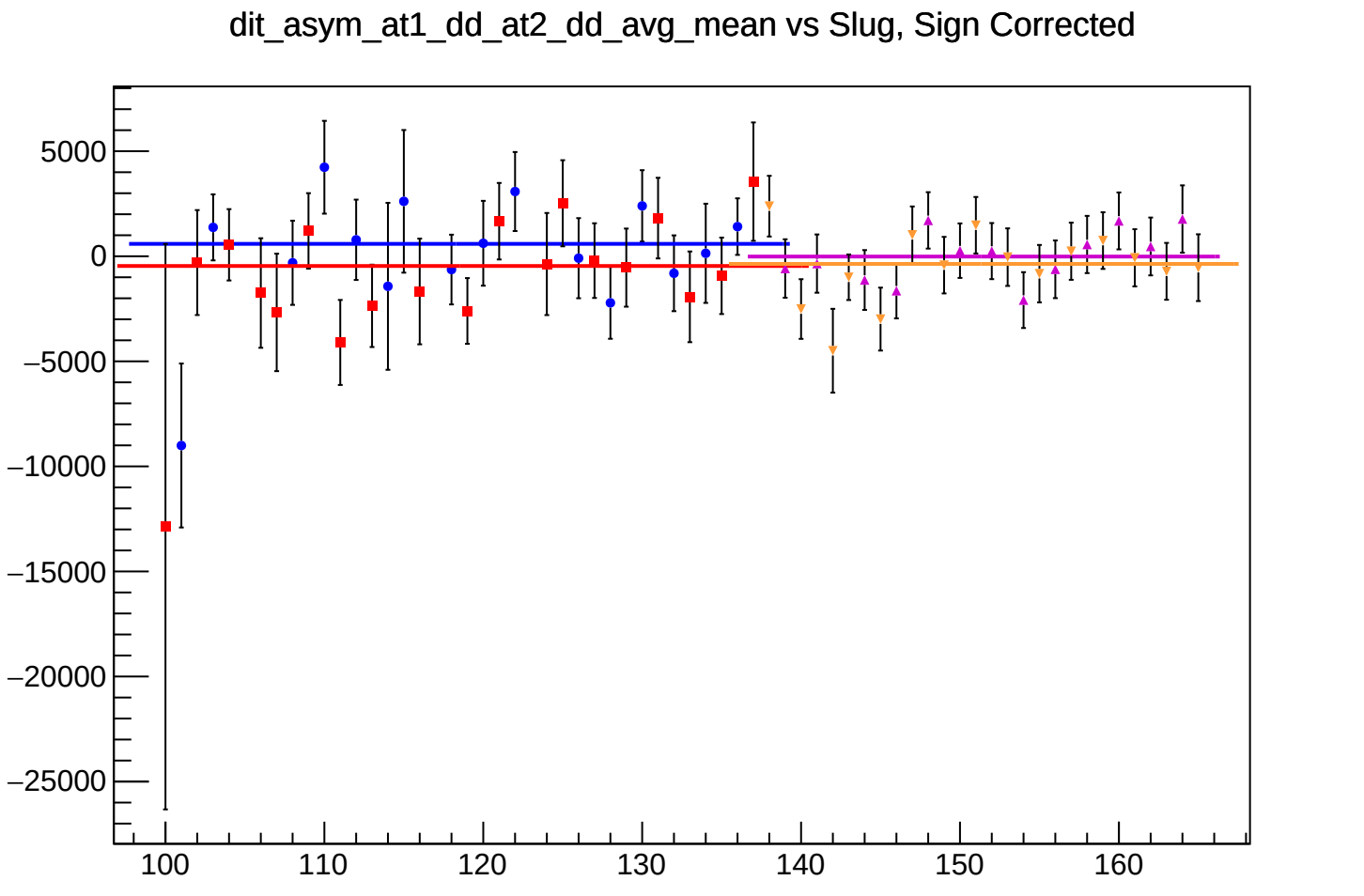
Left: 630.725+/-0.095 χ^2/NDF: 973100.1/27

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.044+/-357.625 χ^2/NDF:17.7/14

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.991+/-380.144 χ^2/NDF:9.8/12

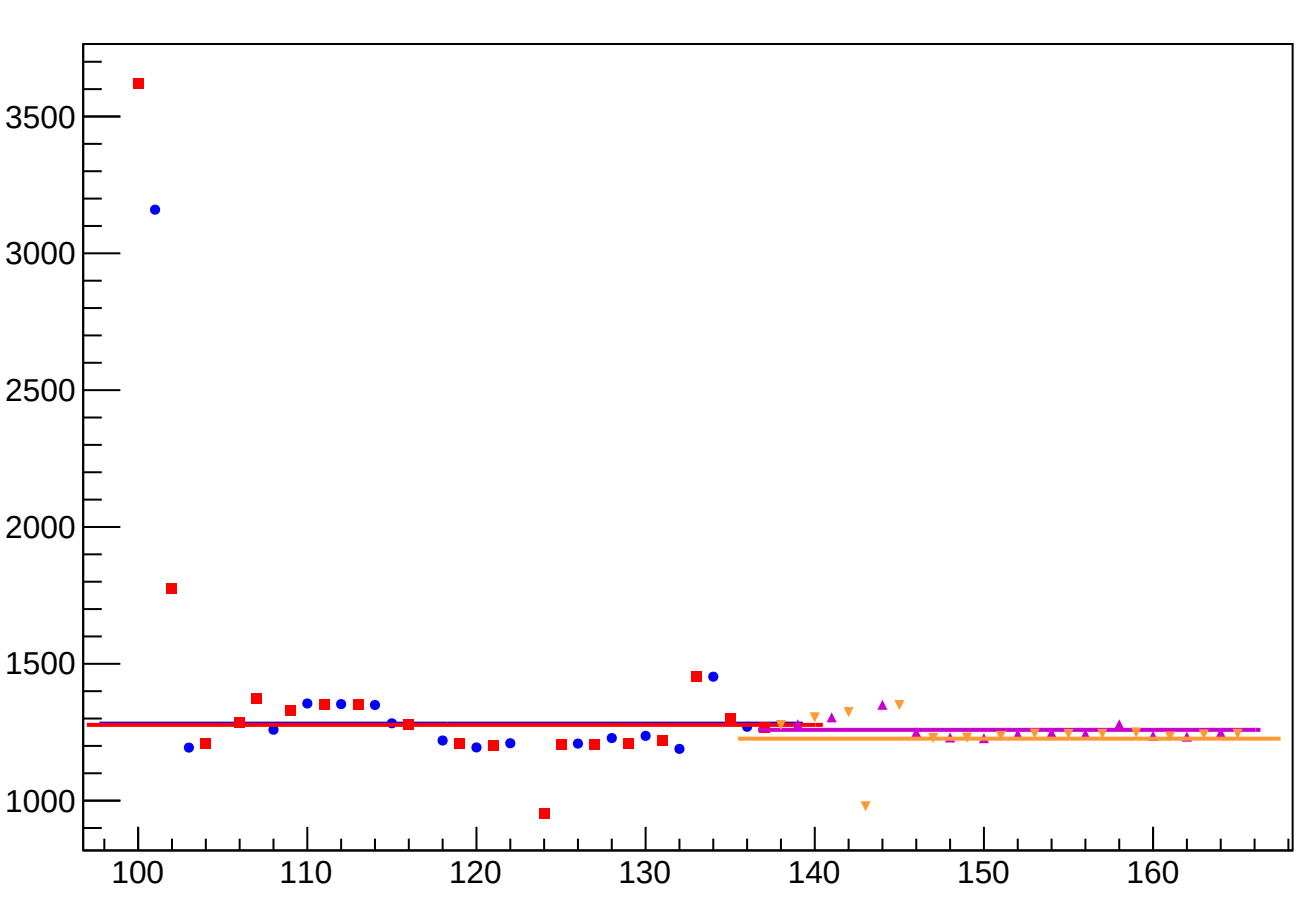
Left: -199.692+/-260.476 χ^2/NDF: 28.0/27

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 215.699+/-299.305 χ^2/NDF:27.9/28

Out: -399.530+/-286.092 χ^2/NDF:34.4/33

All: -105.795+/-206.811 χ^2/NDF: 64.6/62



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.8/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

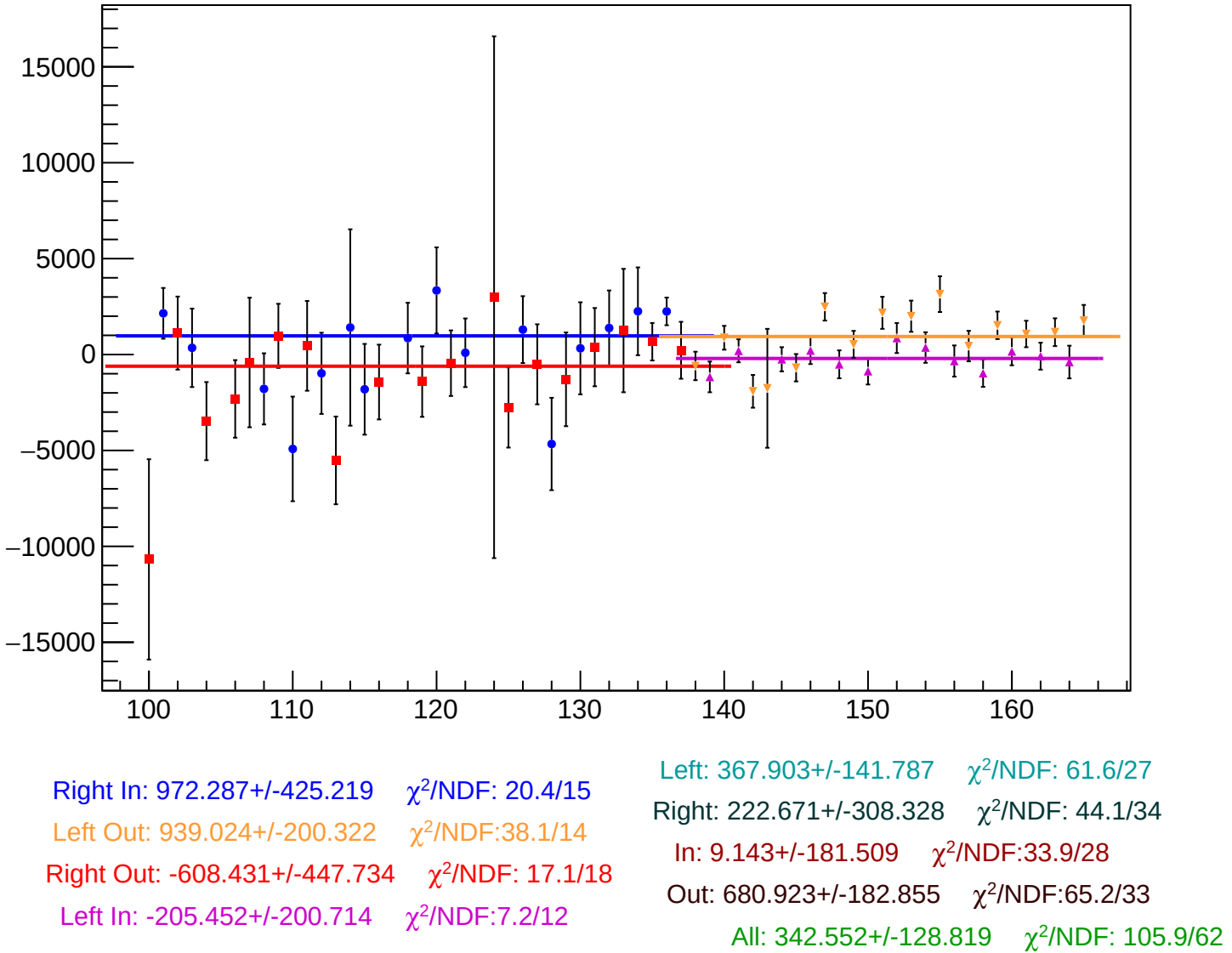
Left: 1241.603+/-0.184 χ^2/NDF: 155645.1/27

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

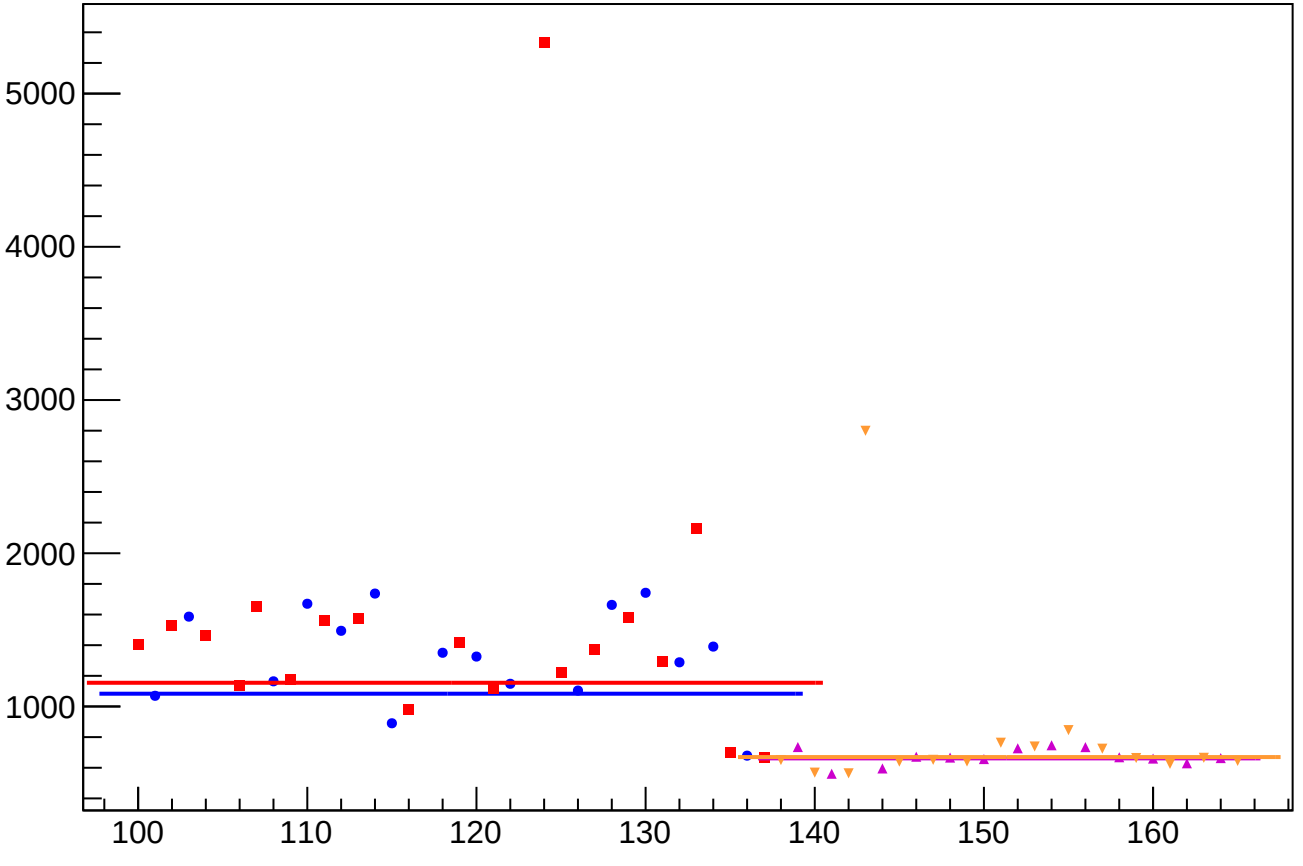
In: 1267.315+/-0.212 χ^2/NDF:525079.0/28

Out: 1244.615+/-0.202 χ^2/NDF:367531.4/33

All: 1255.453+/-0.146 χ^2/NDF: 898622.2/62


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 939.024+/-200.322 χ²/NDF:38.1/14
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -205.452+/-200.714 χ²/NDF:7.2/12
Left: 367.903+/-141.787 χ²/NDF: 61.6/27
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 9.143+/-181.509 χ²/NDF:33.9/28
Out: 680.923+/-182.855 χ²/NDF:65.2/33
All: 342.552+/-128.819 χ²/NDF: 105.9/62

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: 669.829+/-0.142 χ^2/NDF:1168568.4/14

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

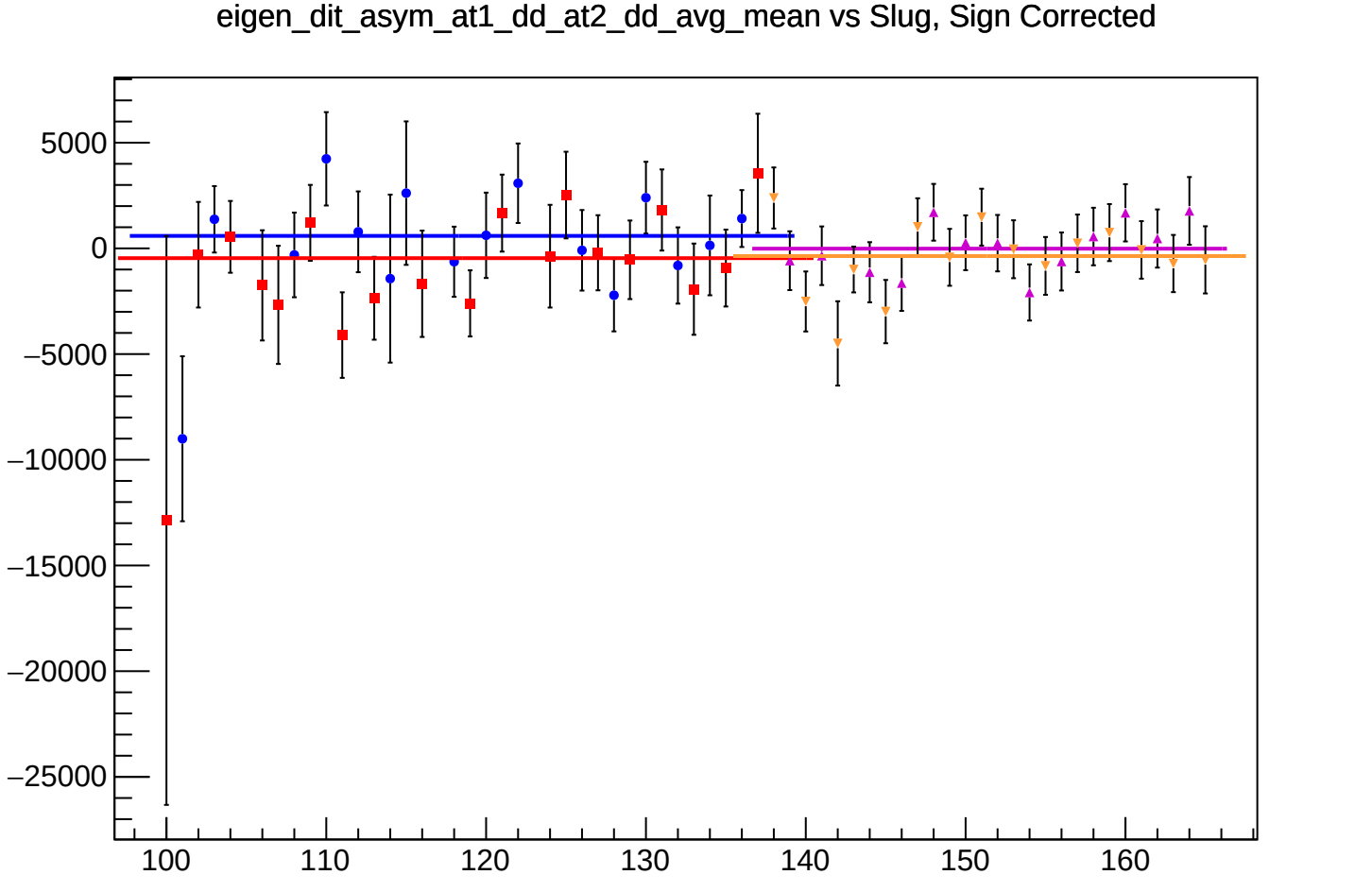
Left: 665.496+/-0.100 χ^2/NDF: 1323941.0/27

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 738.073+/-0.128 χ^2/NDF:3126005.3/28

Out: 750.705+/-0.129 χ^2/NDF:4611395.2/33

All: 744.342+/-0.091 χ^2/NDF: 7742208.0/62



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.046+/-357.625 χ^2/NDF:17.7/14

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.990+/-380.144 χ^2/NDF:9.8/12

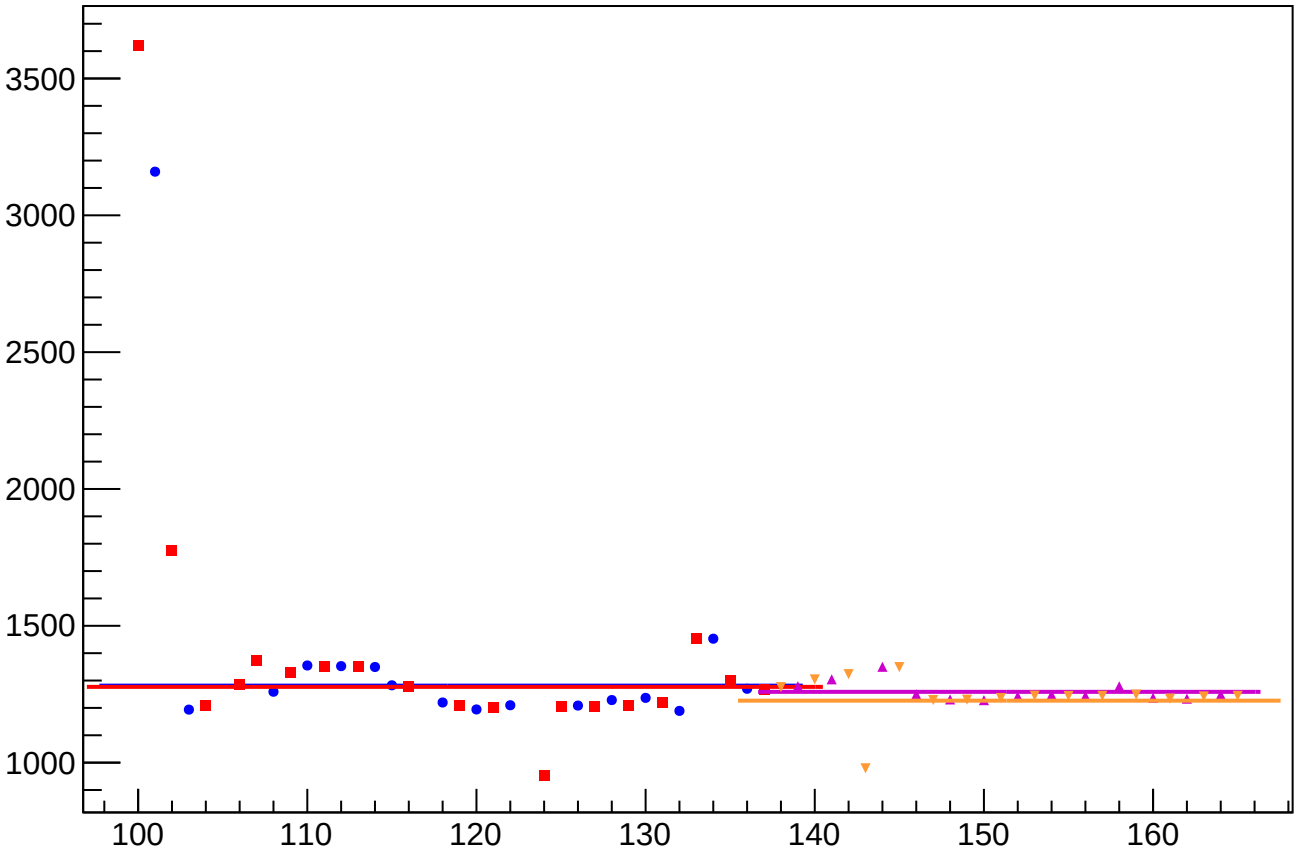
Left: -199.693+/-260.476 χ^2/NDF: 28.0/27

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 215.700+/-299.305 χ^2/NDF:27.9/28

Out: -399.531+/-286.092 χ^2/NDF:34.4/33

All: -105.795+/-206.811 χ^2/NDF: 64.6/62



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.1/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

Left: 1241.603+/-0.184 χ^2/NDF: 155644.3/27

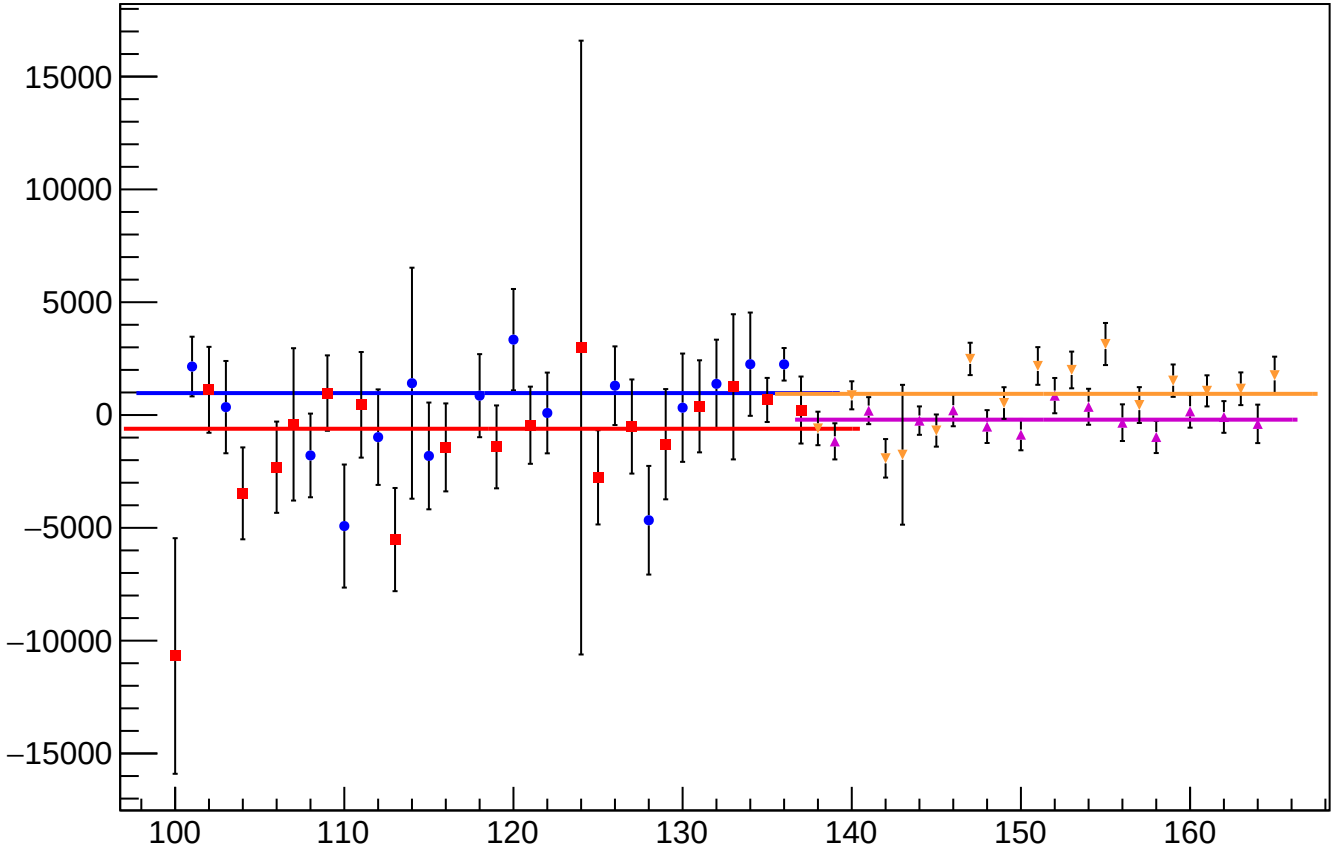
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1267.315+/-0.212 χ^2/NDF:525079.1/28

Out: 1244.615+/-0.202 χ^2/NDF:367530.4/33

All: 1255.453+/-0.146 χ^2/NDF: 898621.3/62

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: 939.026+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -205.451+/-200.714 χ^2/NDF:7.2/12

Left: 367.905+/-141.787 χ^2/NDF: 61.6/27

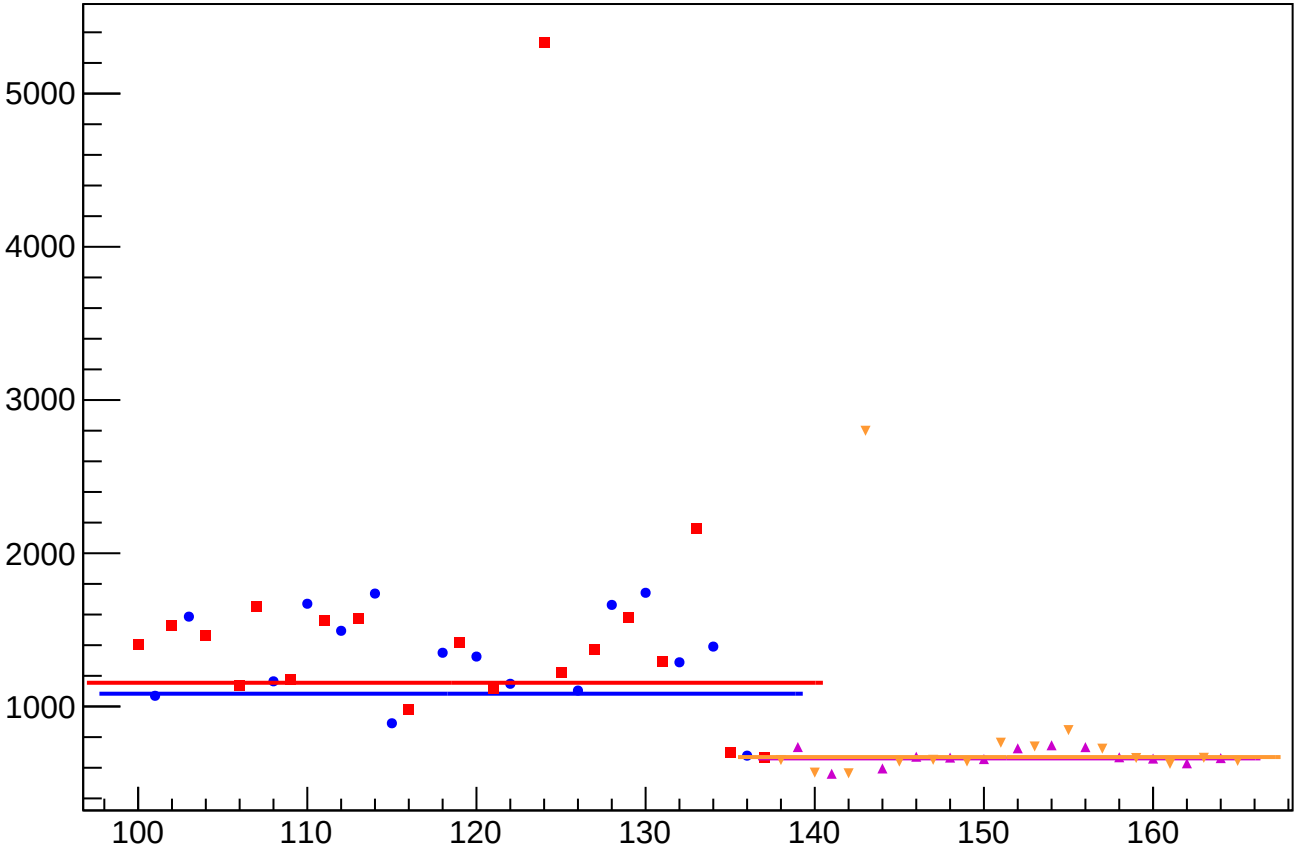
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 9.142+/-181.509 χ^2/NDF:33.9/28

Out: 680.925+/-182.855 χ^2/NDF:65.2/33

All: 342.552+/-128.819 χ^2/NDF: 105.9/62

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: 669.829+/-0.142 χ^2/NDF:1168562.7/14

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

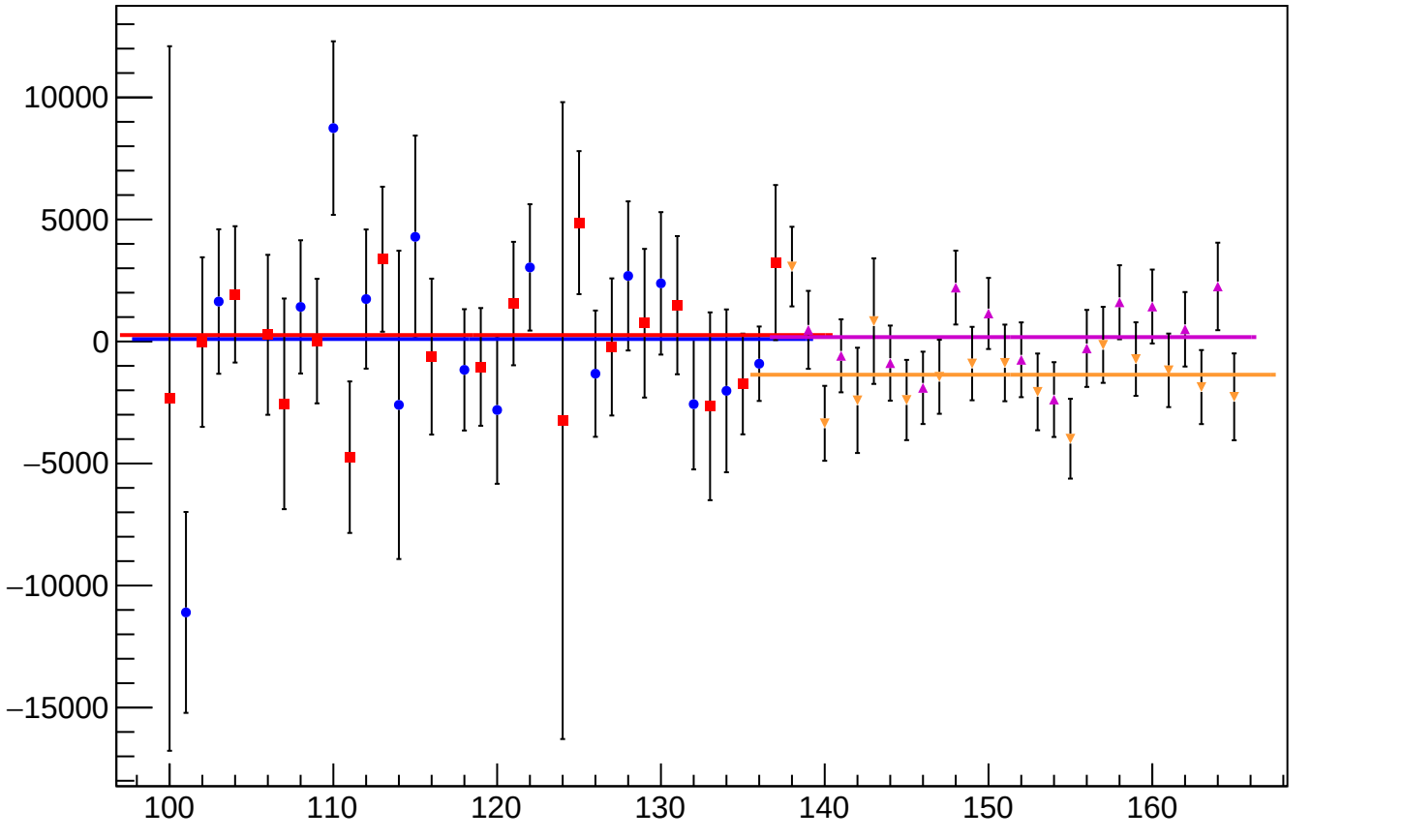
Left: 665.496+/-0.100 χ^2/NDF: 1323939.3/27

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 738.073+/-0.128 χ^2/NDF:3125994.6/28

Out: 750.706+/-0.129 χ^2/NDF:4611377.1/33

All: 744.343+/-0.091 χ^2/NDF: 7742180.0/62



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1362.253+/-421.036 χ^2/NDF:14.6/14

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 179.186+/-426.841 χ^2/NDF:11.2/12

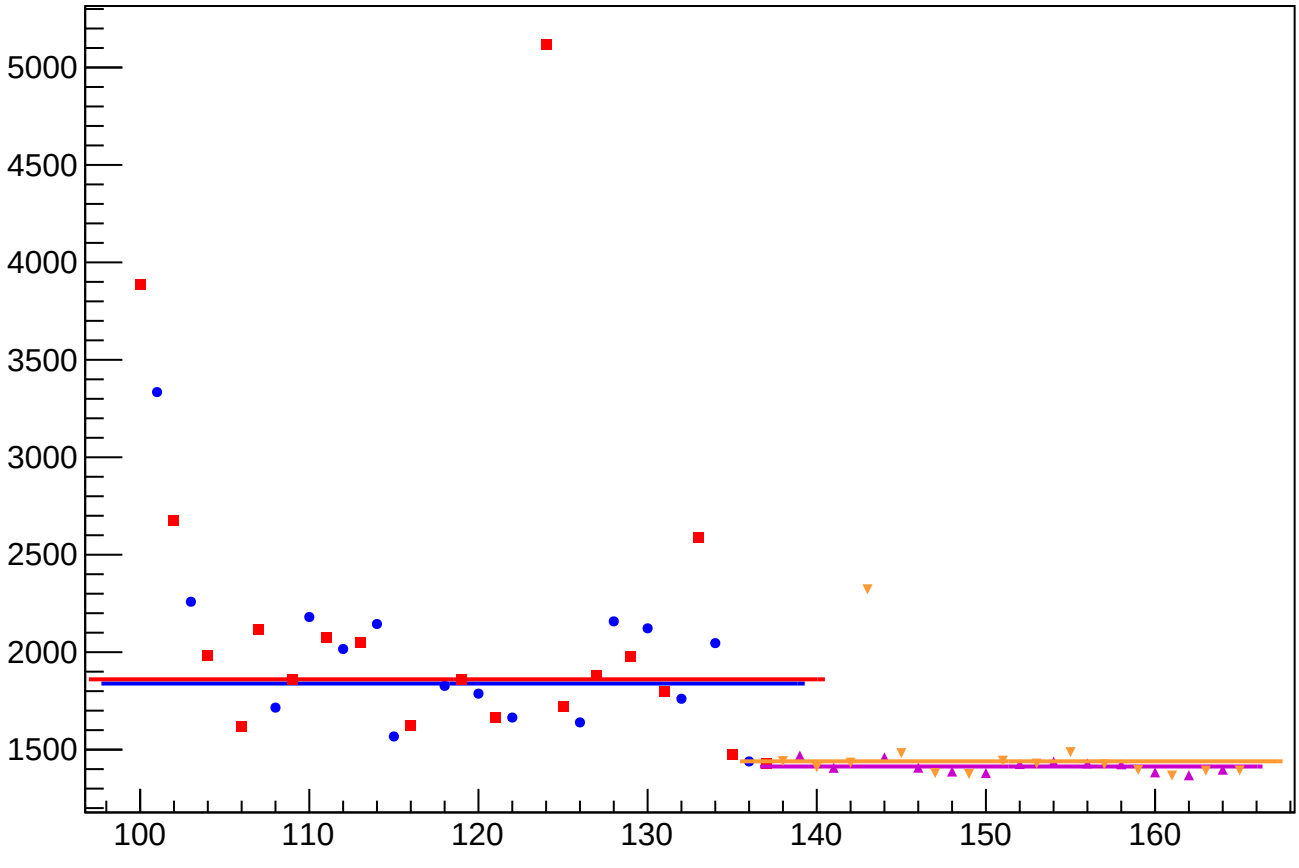
Left: -602.085+/-299.749 χ^2/NDF: 32.4/27

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 157.800+/-364.289 χ^2/NDF:32.5/28

Out: -930.299+/-360.762 χ^2/NDF:28.9/33

All: -391.542+/-256.335 χ^2/NDF: 65.8/62



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.014+/-0.298 χ^2/NDF:256201.7/14

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

Left: 1426.875+/-0.212 χ^2/NDF: 269869.5/27

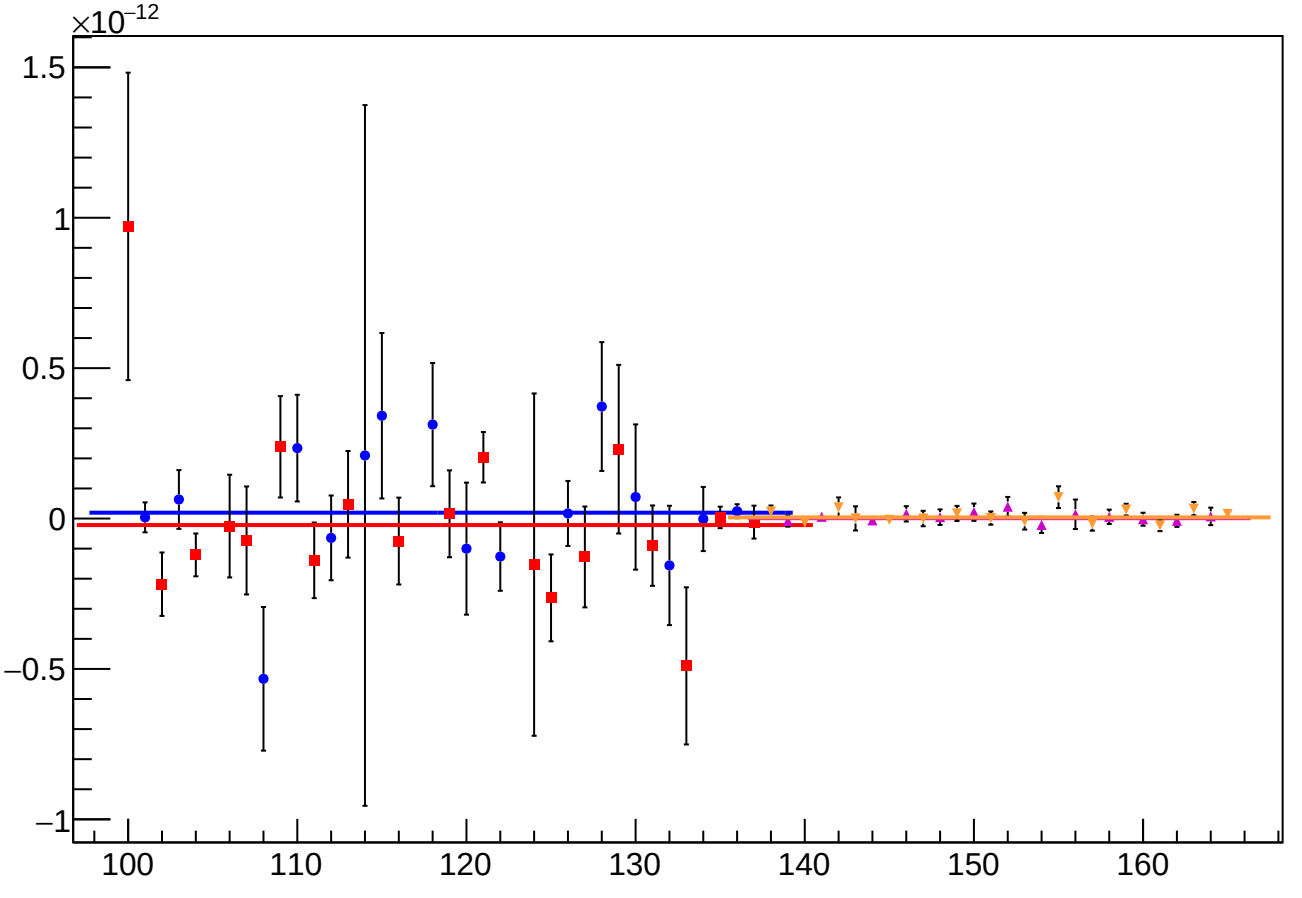
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1529.010+/-0.258 χ^2/NDF:1106887.6/28

Out: 1551.857+/-0.255 χ^2/NDF:1309216.1/33

All: 1540.545+/-0.181 χ^2/NDF: 2420075.2/62

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/12

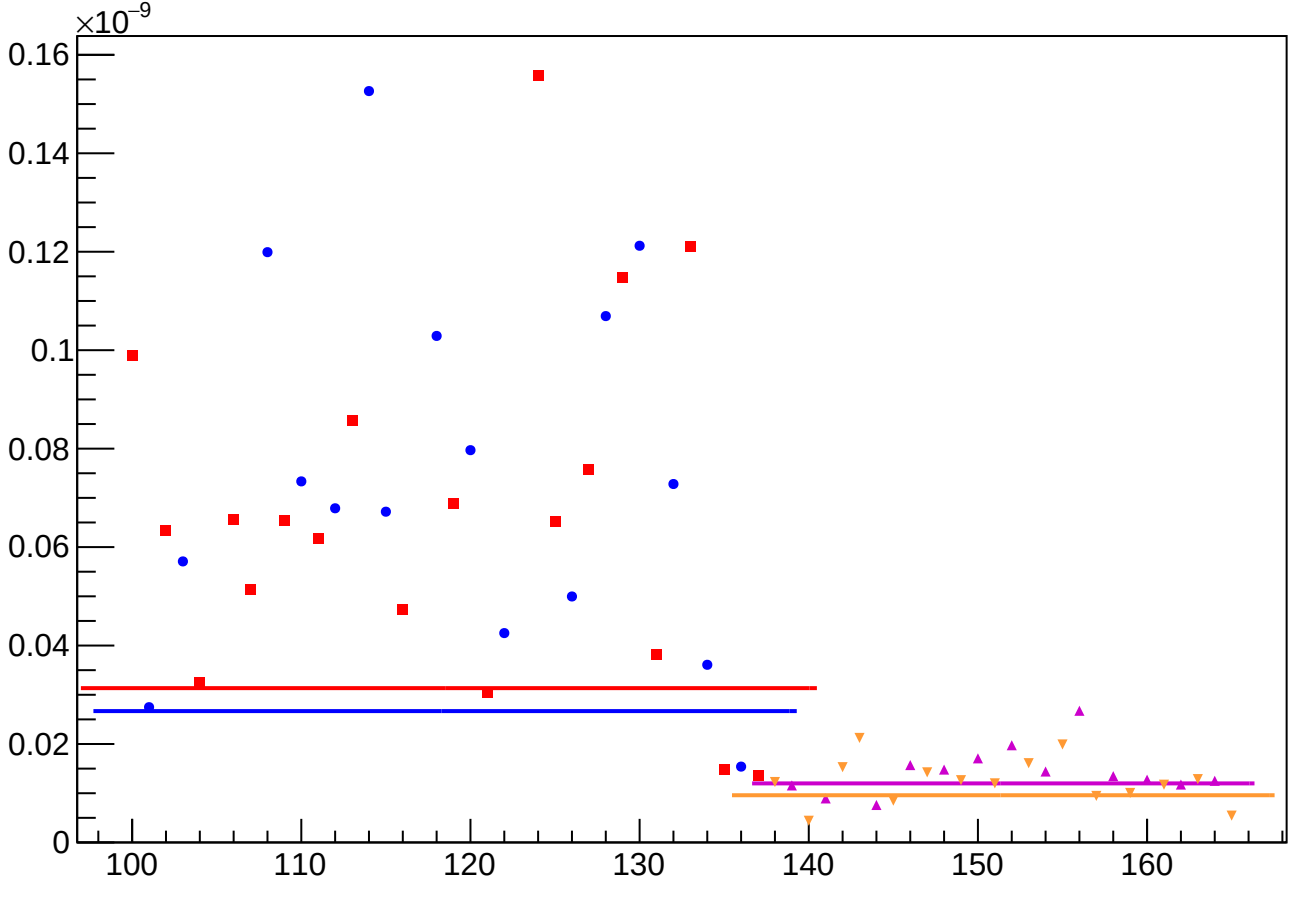
Left: 0.000+/-0.000 χ^2/NDF: 19.3/27

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/28

Out: 0.000+/-0.000 χ^2/NDF:44.7/33

All: 0.000+/-0.000 χ^2/NDF: 66.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336137.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:741129.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2257848.1/27

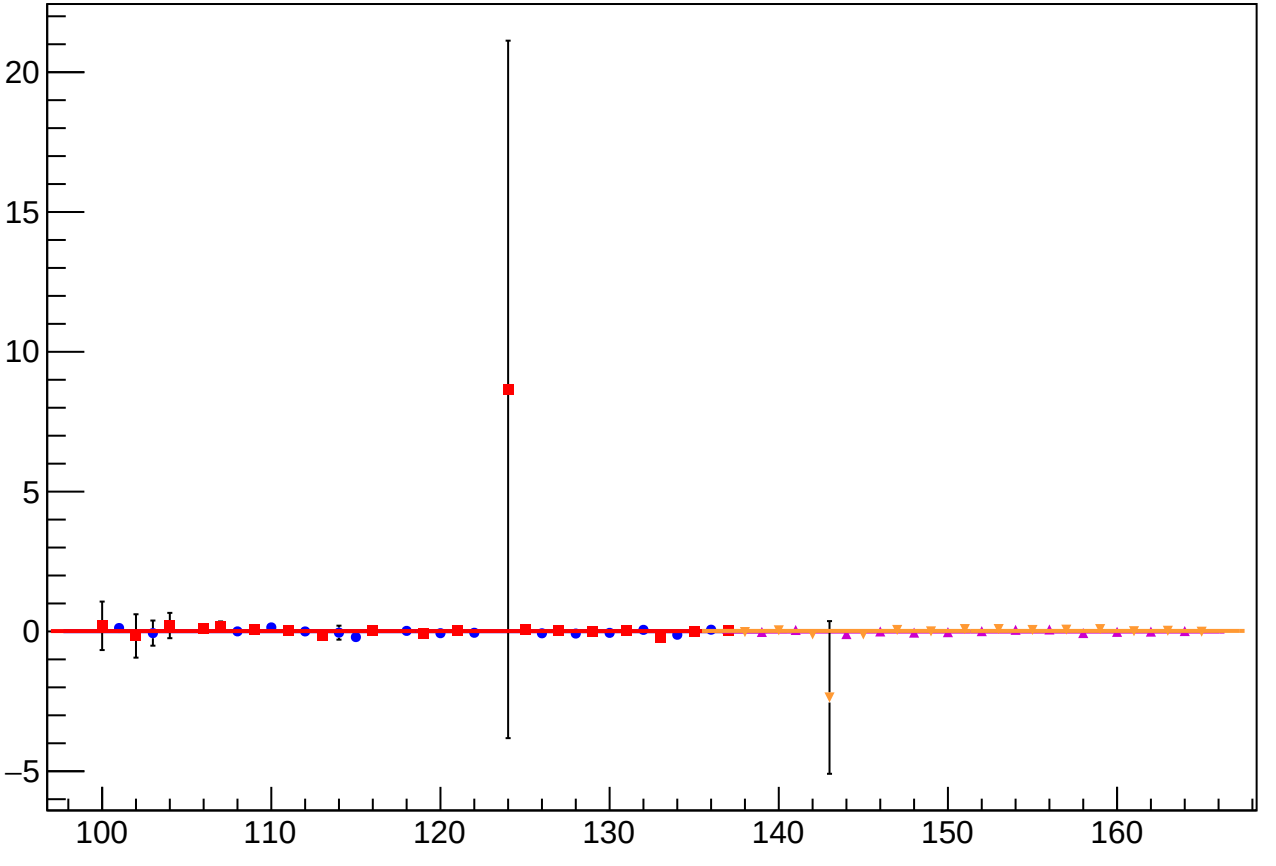
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4425422.1/28

Out: 0.000+/-0.000 χ^2/NDF:5418552.5/33

All: 0.000+/-0.000 χ^2/NDF: 10089763.6/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

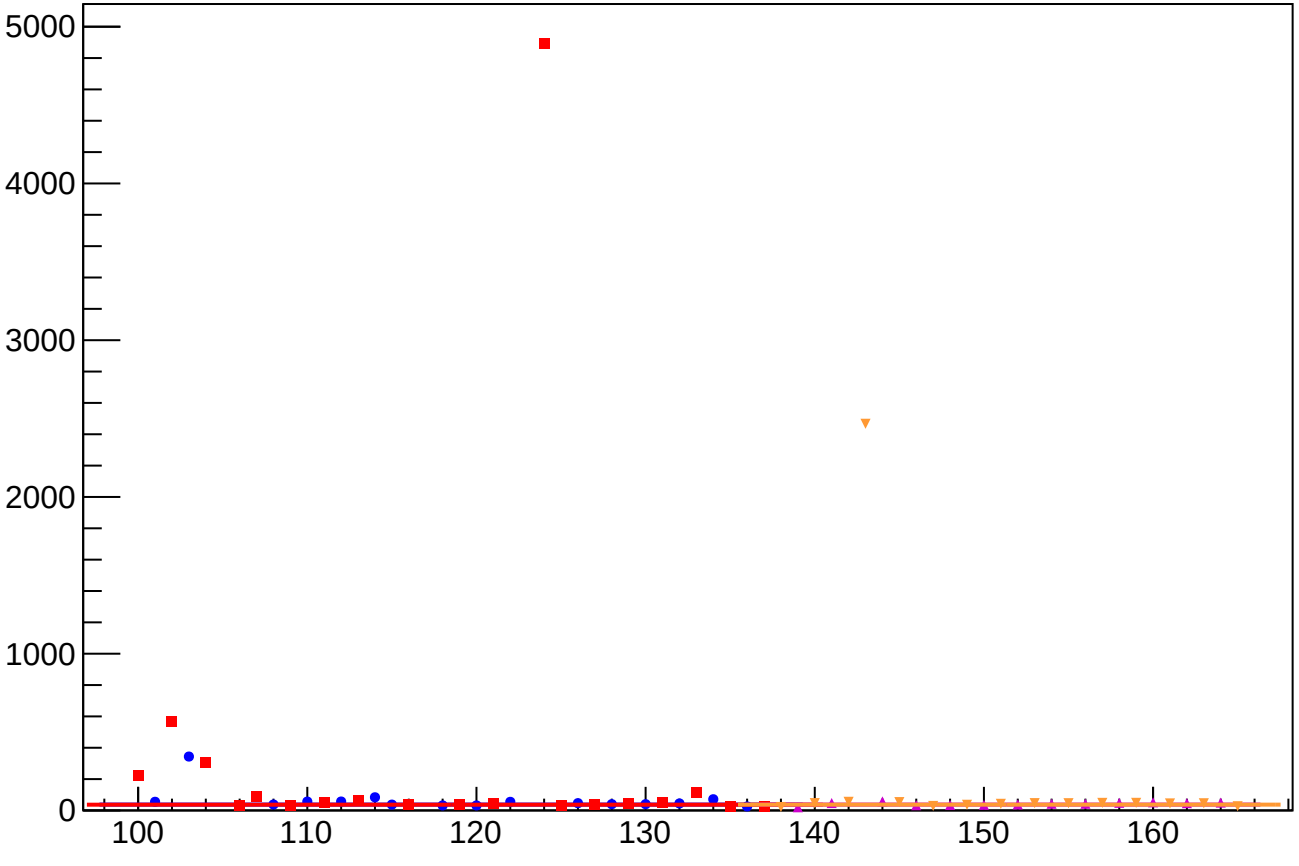
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

Left: 37.264+/-0.006 χ^2/NDF: 4598756.9/27

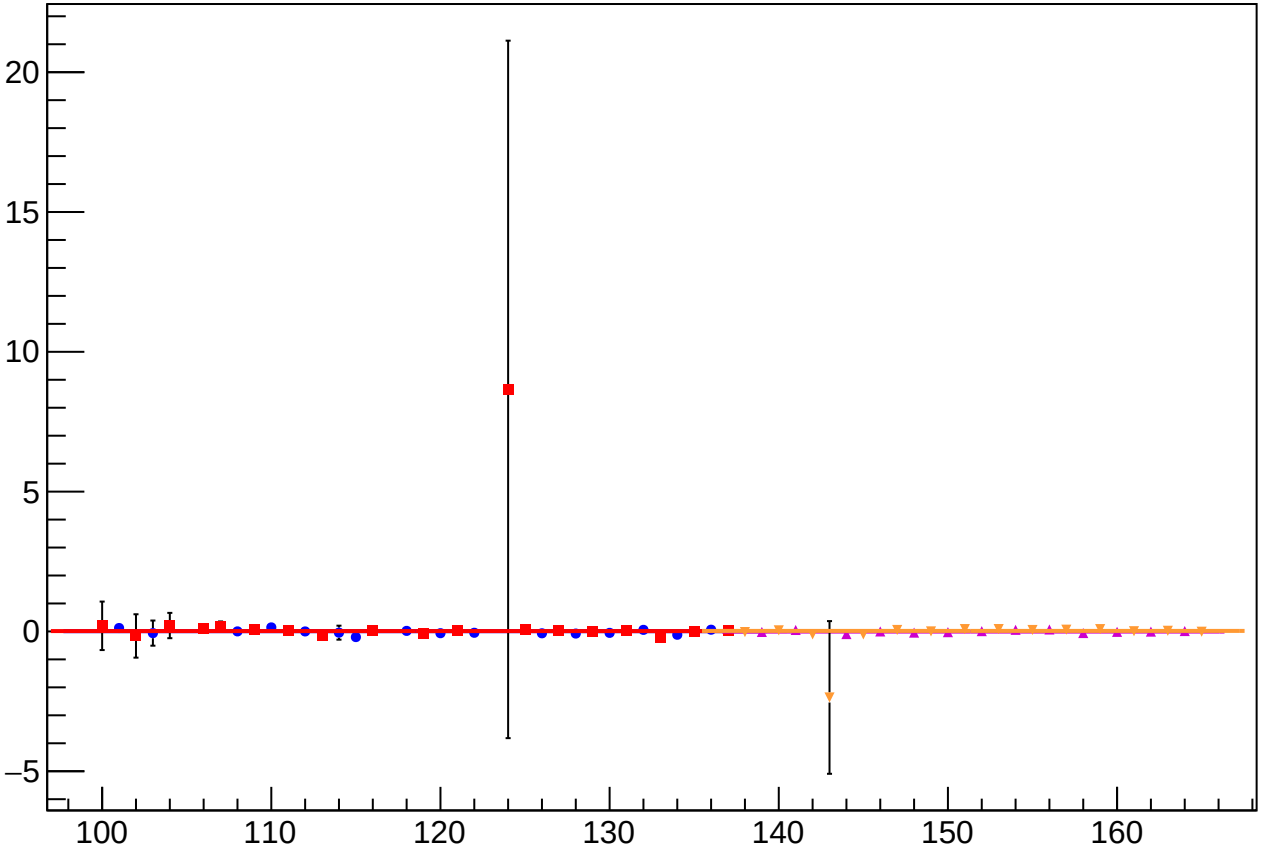
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

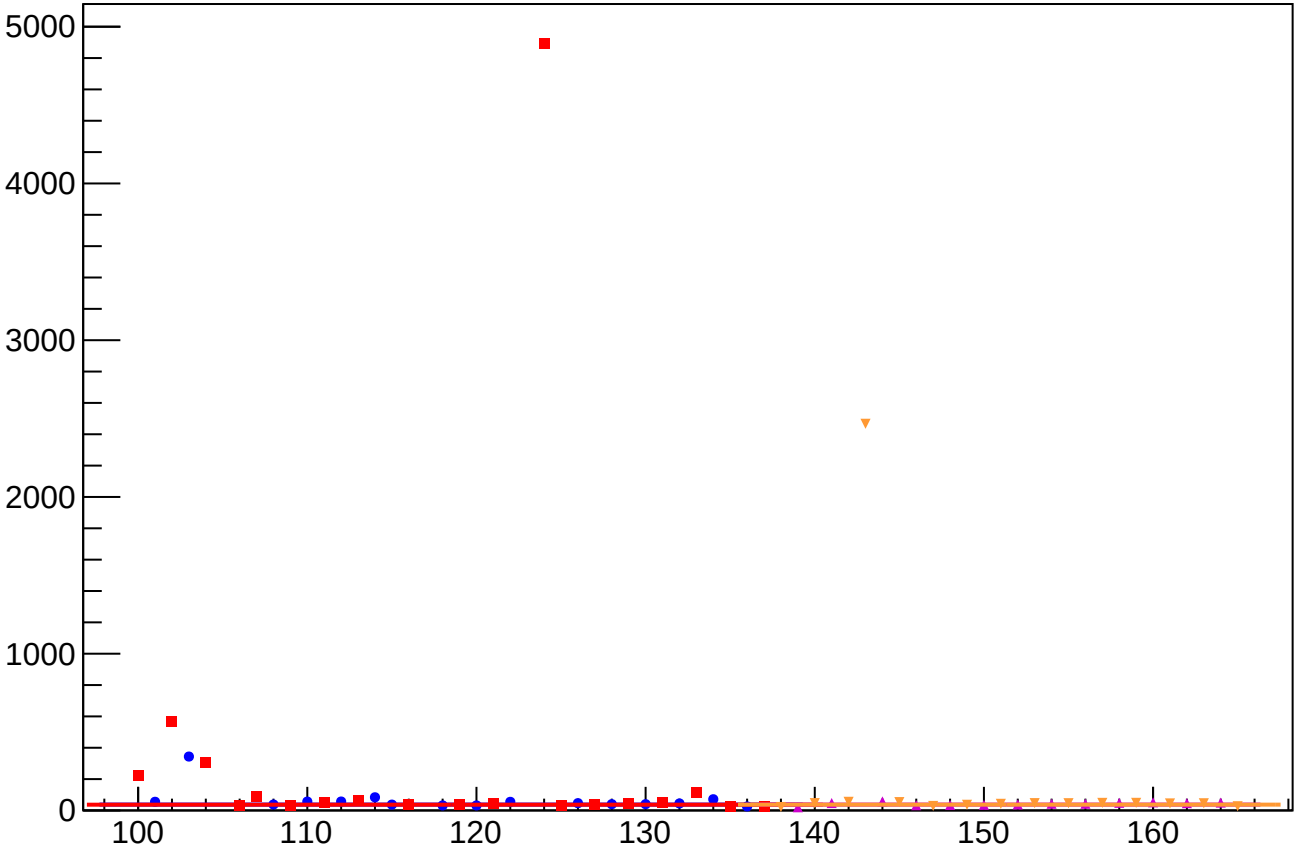
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

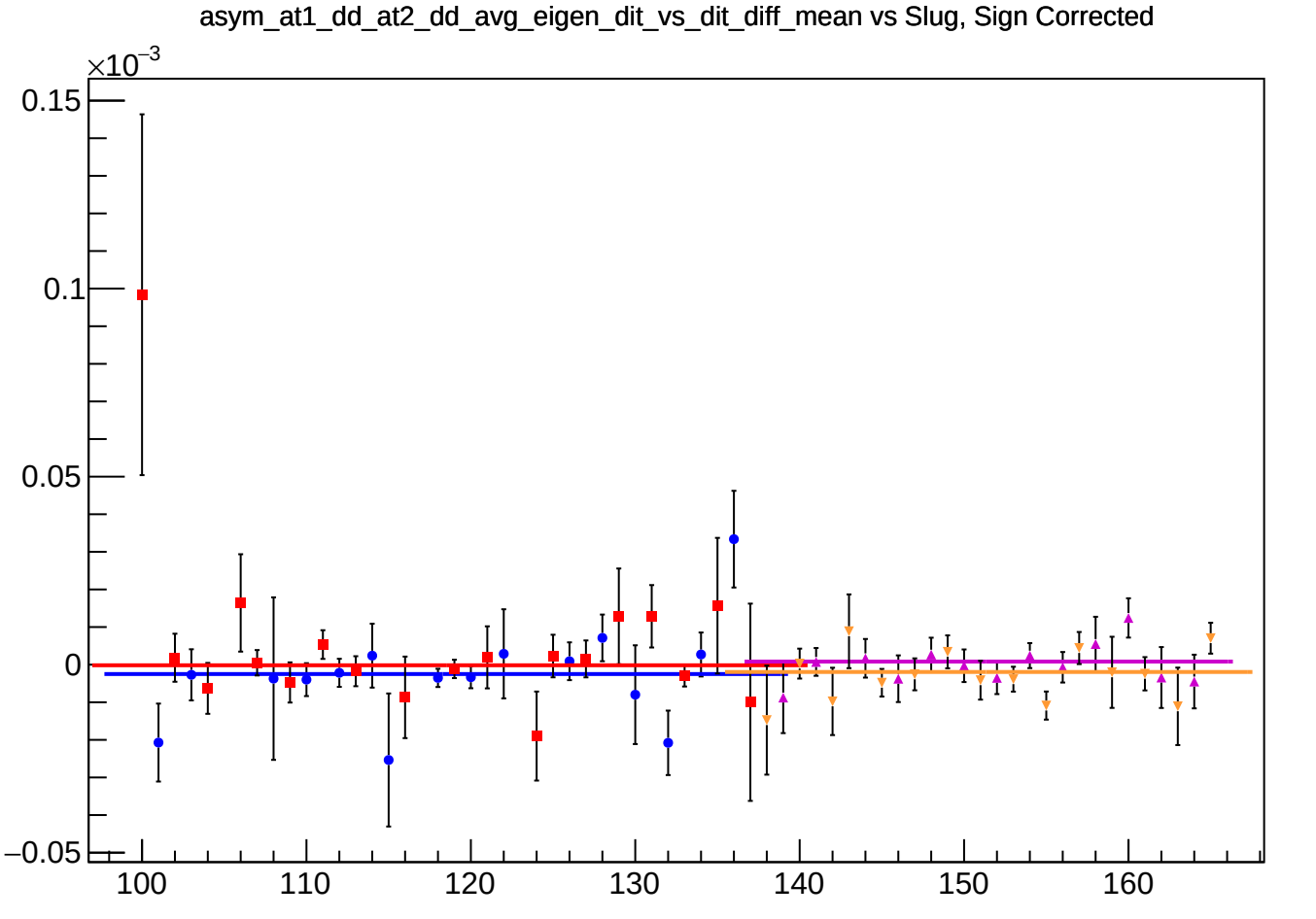
Left: 37.264+/-0.006 χ^2/NDF: 4598756.9/27

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/12

Left: -0.000+/-0.000 χ^2/NDF: 30.9/27

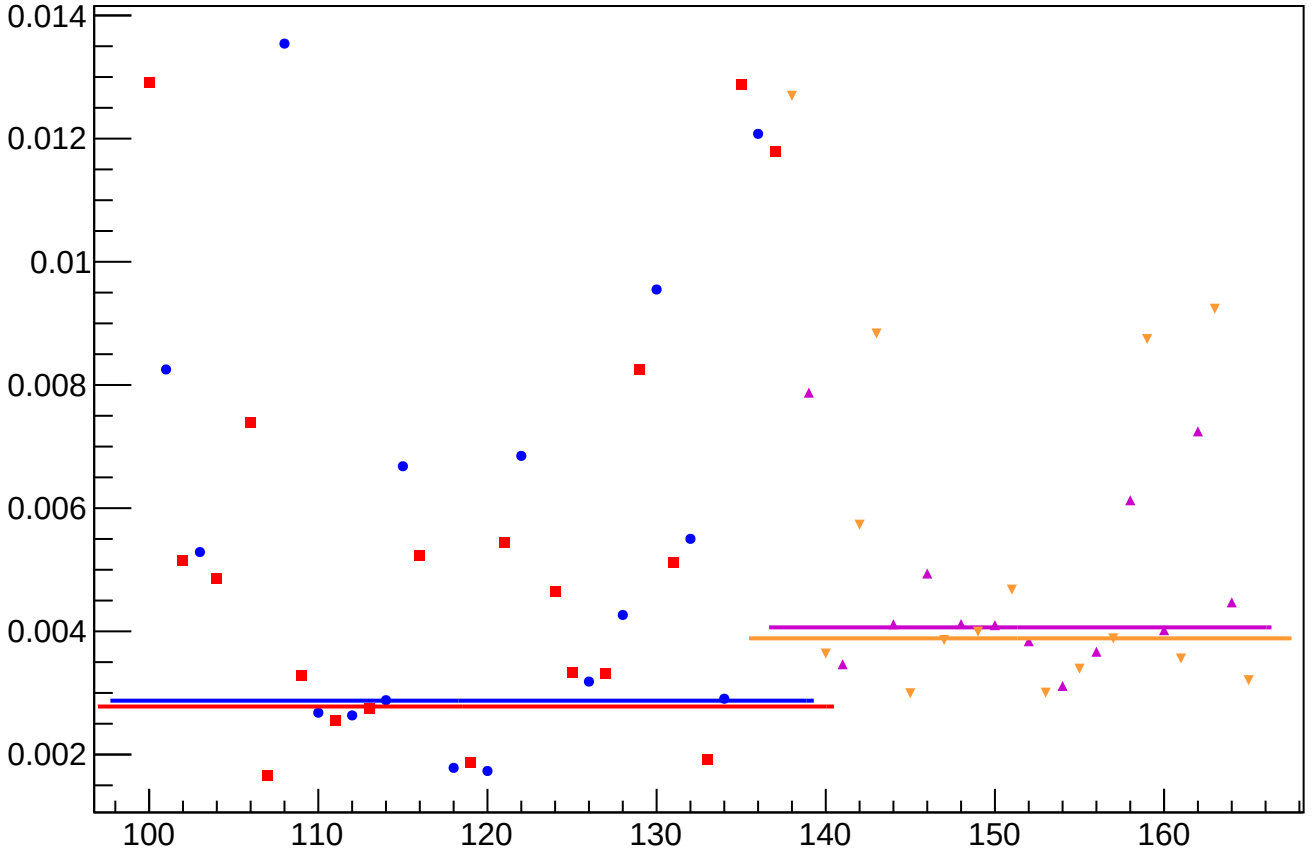
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/28

Out: -0.000+/-0.000 χ^2/NDF:39.2/33

All: -0.000+/-0.000 χ^2/NDF: 73.5/62

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:2818229.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

Left: 0.004+/-0.000 χ^2/NDF: 3921230.8/27

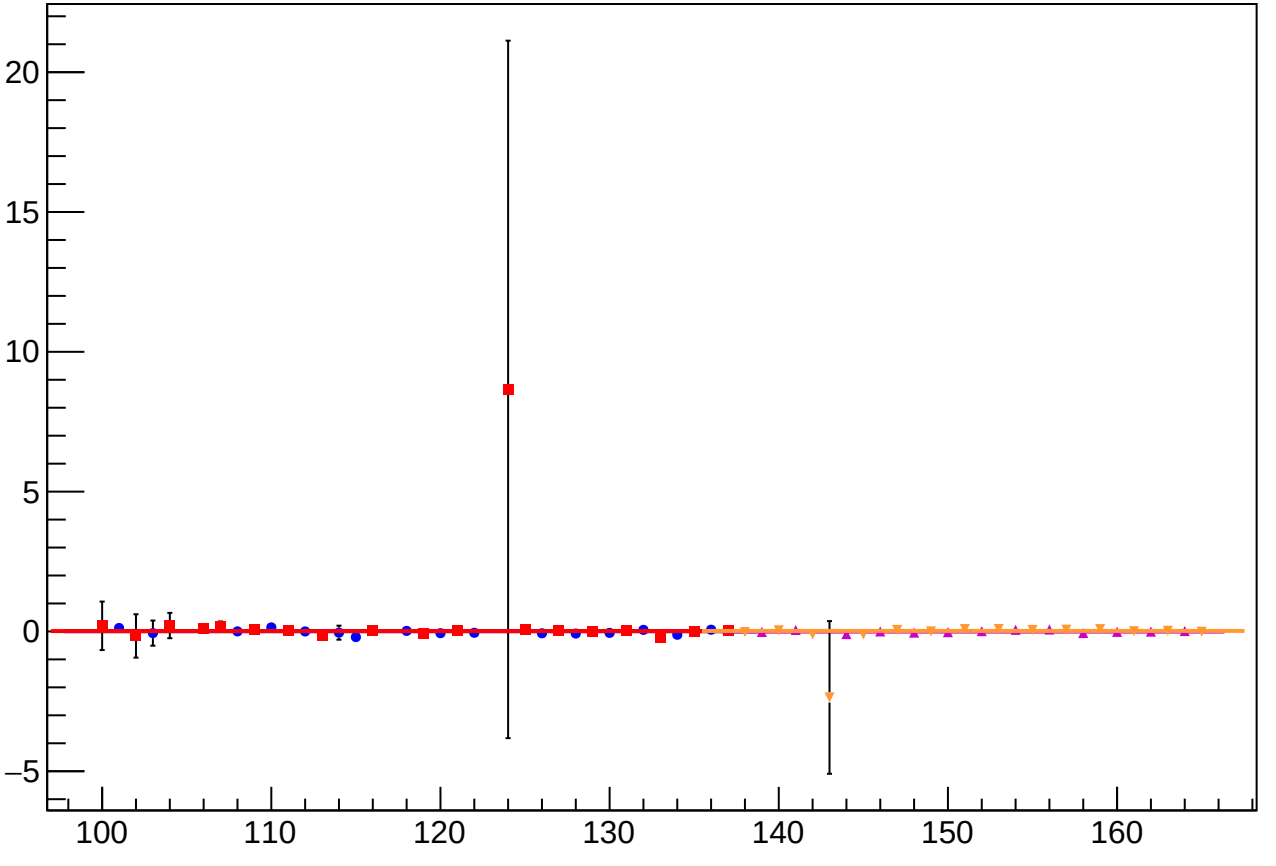
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6037958.7/28

Out: 0.003+/-0.000 χ^2/NDF:6976457.6/33

All: 0.003+/-0.000 χ^2/NDF: 13039568.6/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

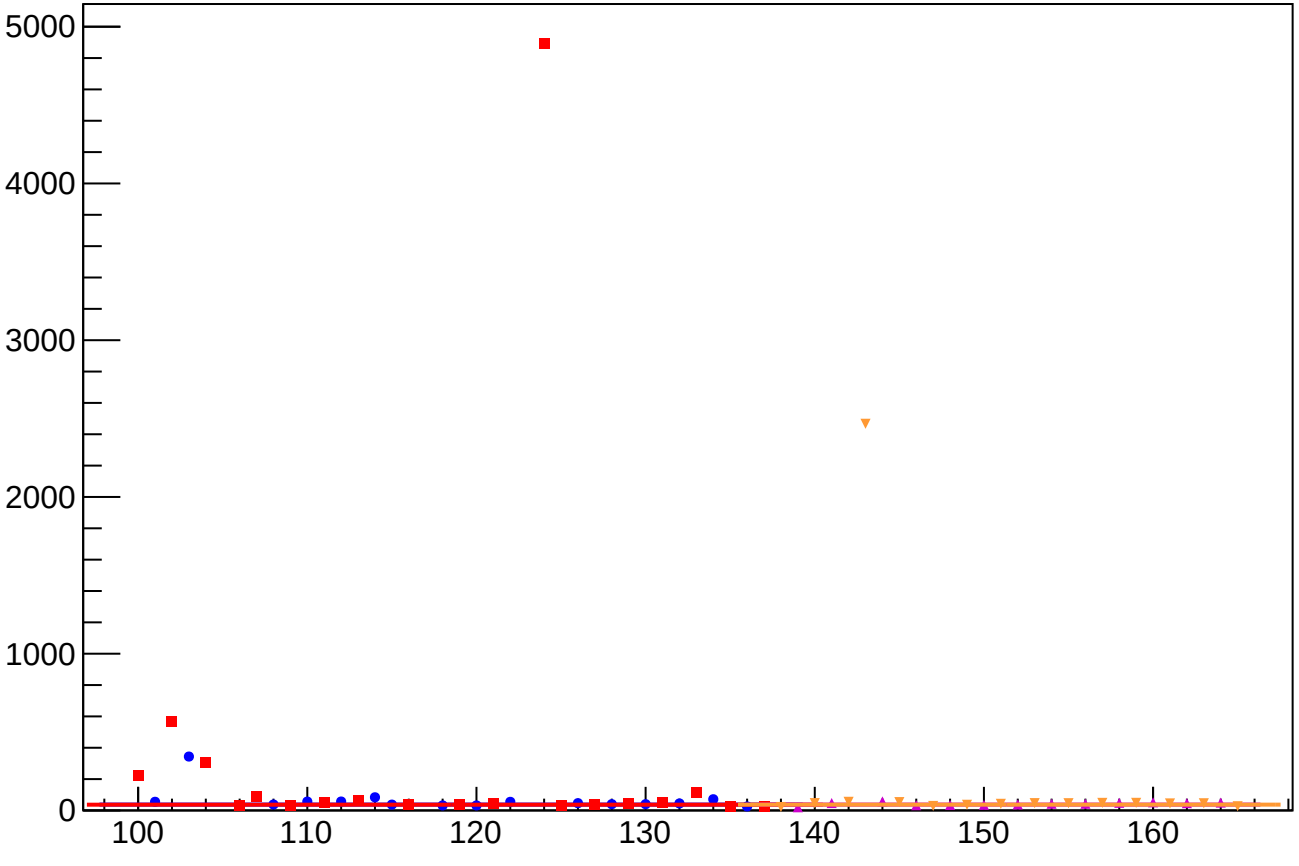
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

Left: 37.264+/-0.006 χ^2/NDF: 4597975.9/27

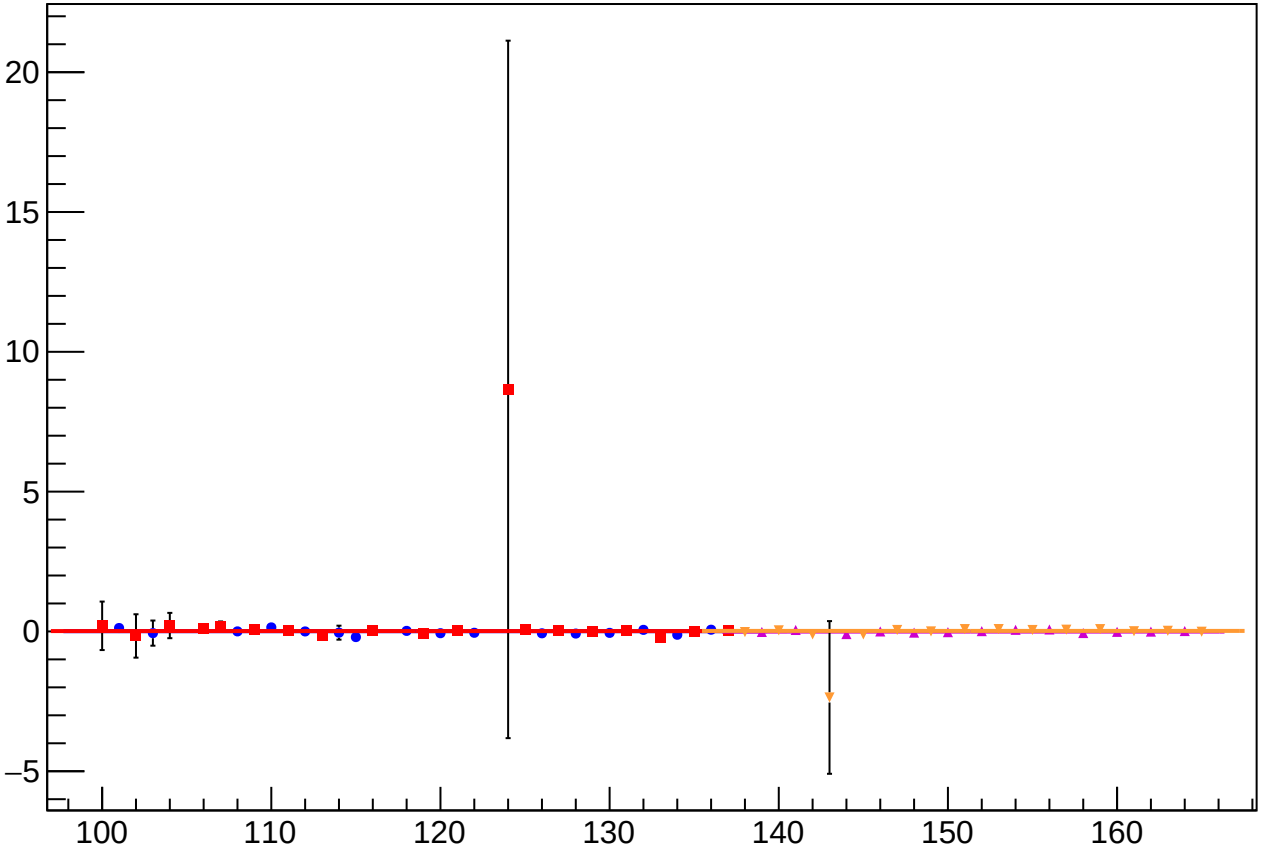
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62

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: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.007+/-0.009 χ^2/NDF: 28.6/27

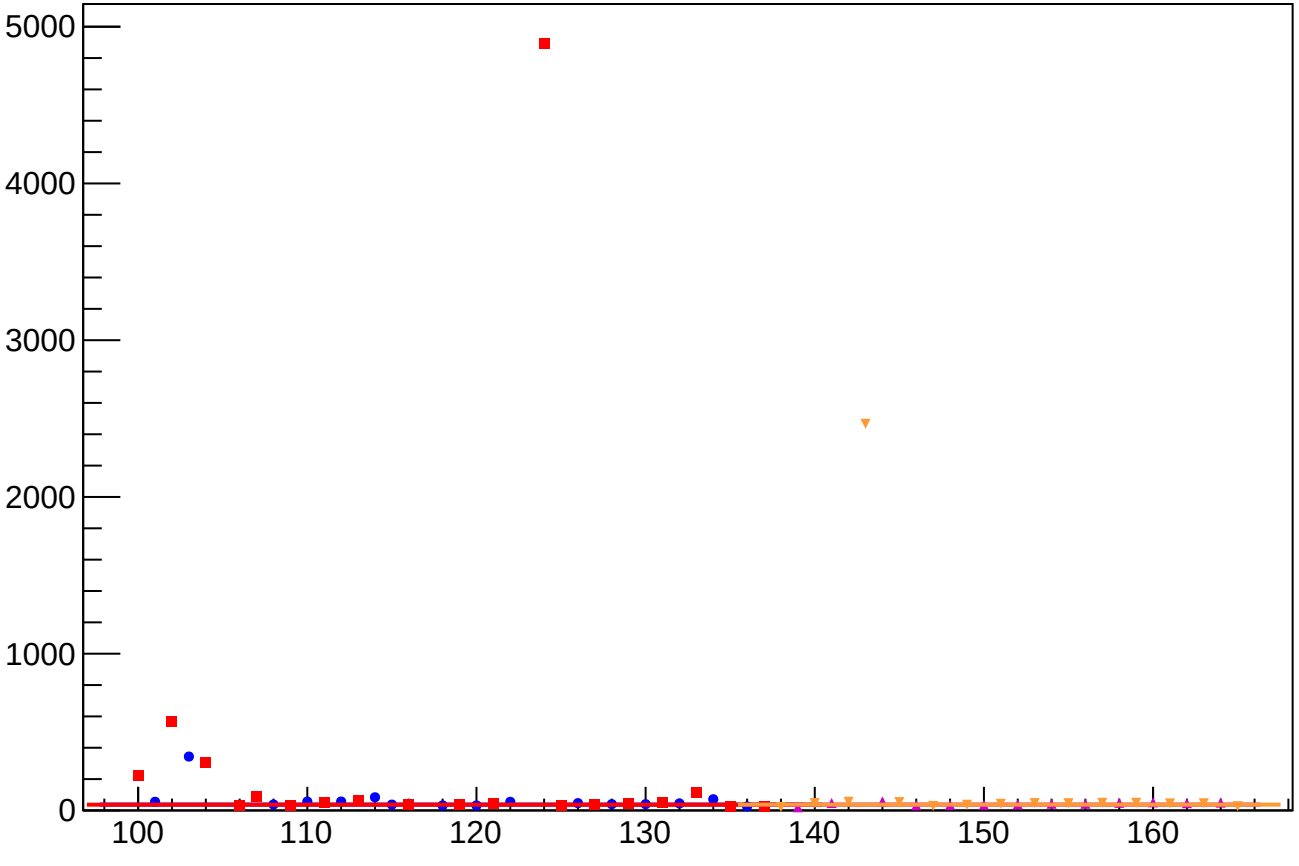
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/62

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: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

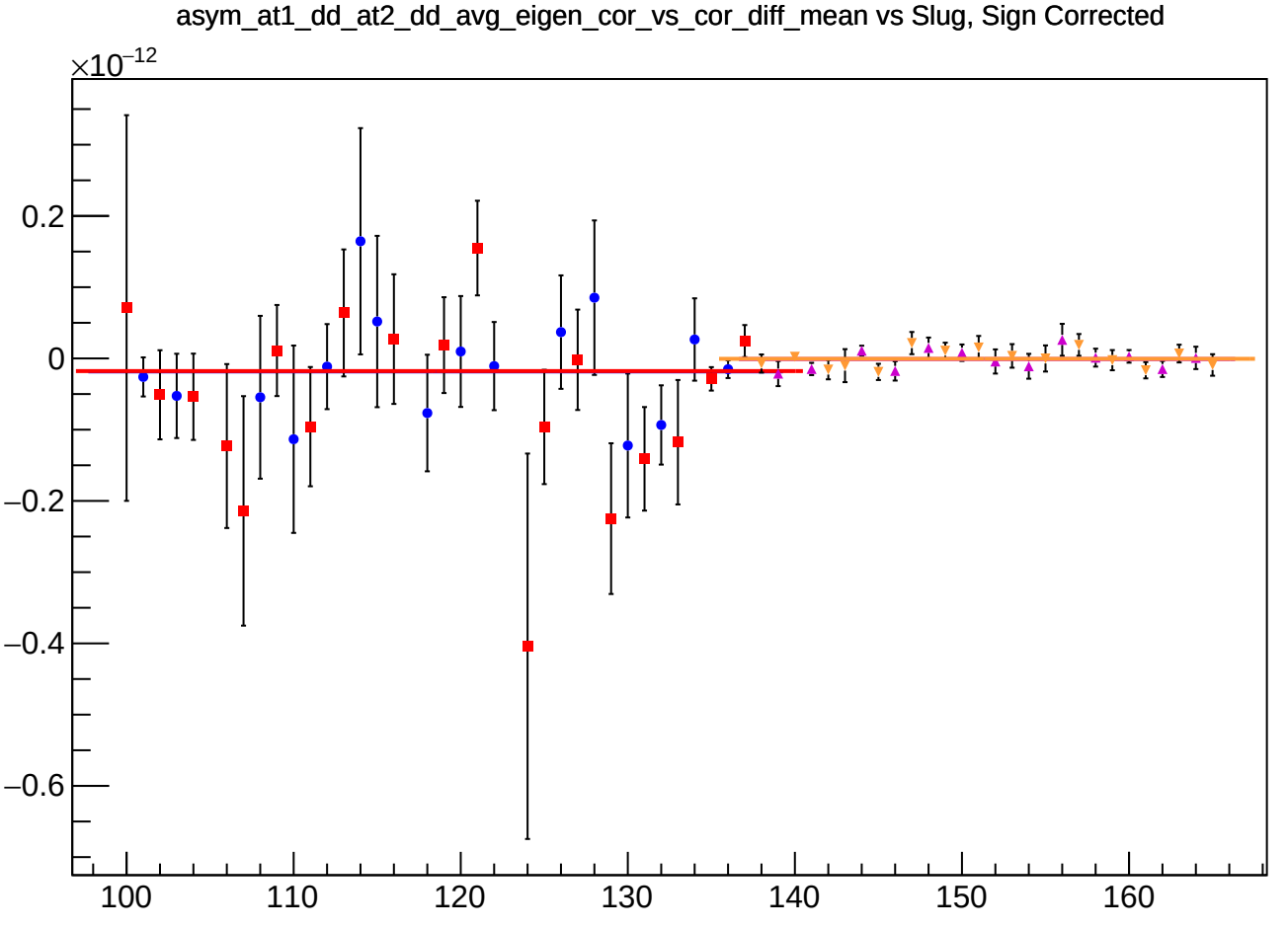
Left: 37.264+/-0.006 χ^2/NDF: 4597975.9/27

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

Left: -0.000+/-0.000 χ^2/NDF: 26.4/27

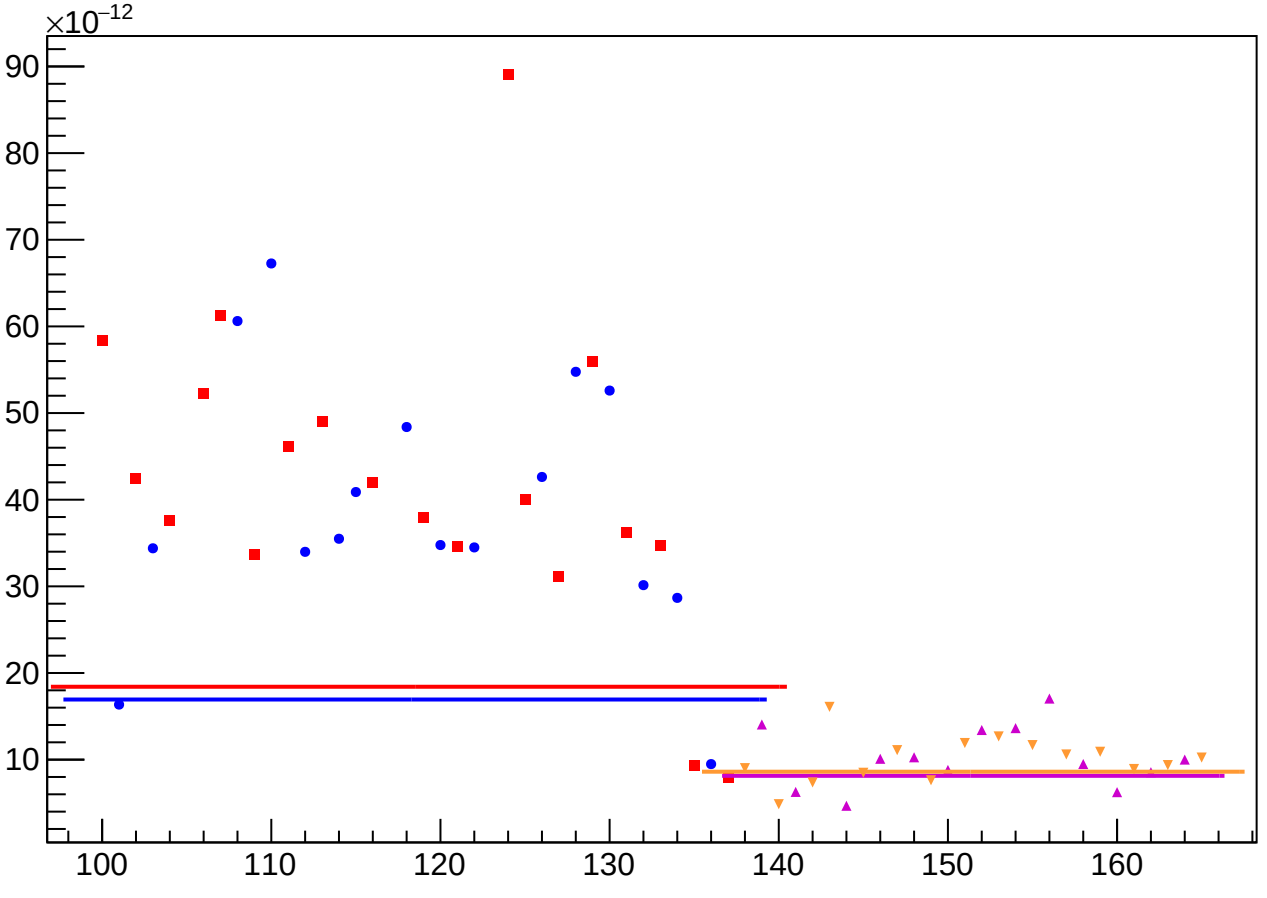
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:42.3/33

All: -0.000+/-0.000 χ^2/NDF: 67.0/62

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:1290217.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

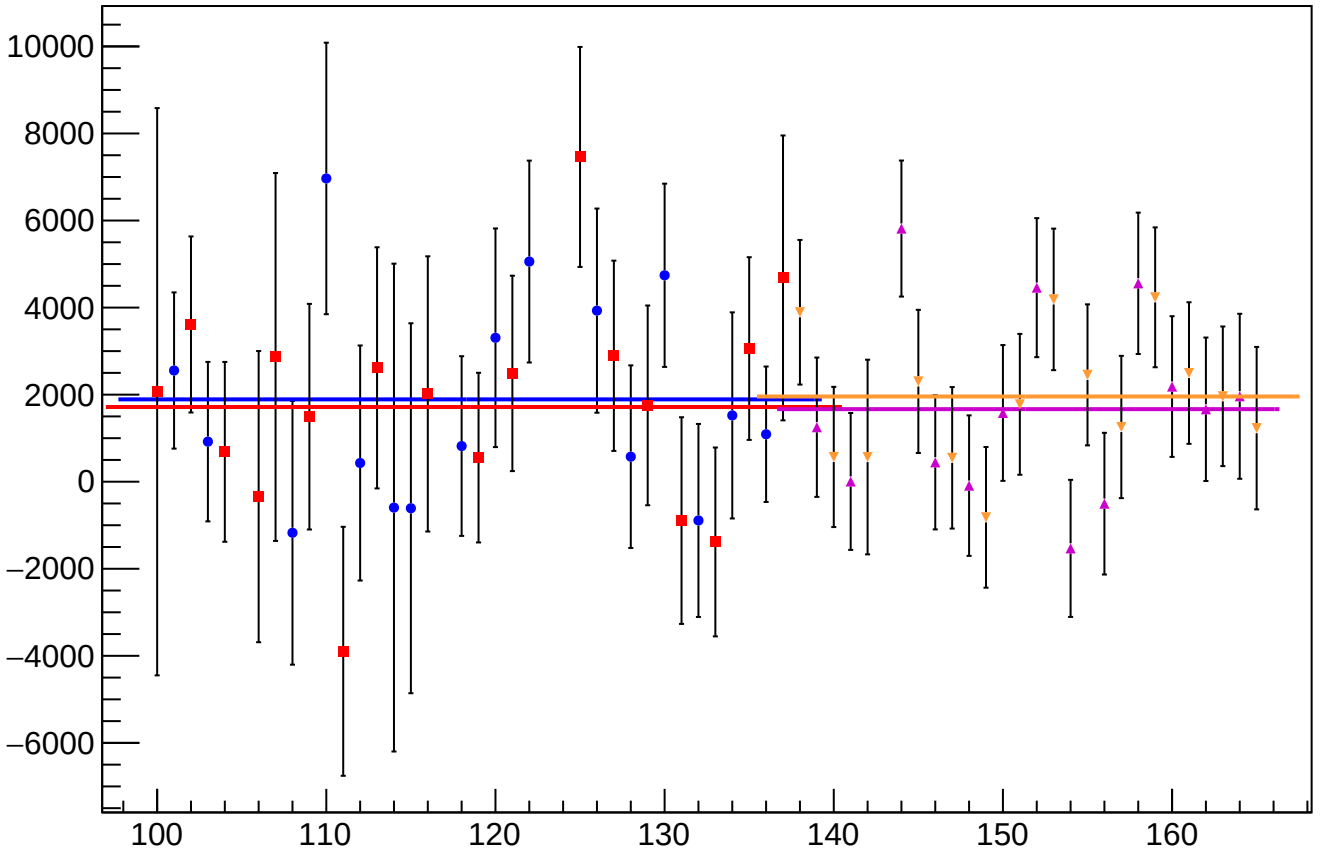
Left: 0.000+/-0.000 χ^2/NDF: 3062311.6/27

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6382475.3/28

Out: 0.000+/-0.000 χ^2/NDF:6411150.9/33

All: 0.000+/-0.000 χ^2/NDF: 12810876.2/62



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.800+/-445.612 χ^2/NDF:10.7/13

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1666.953+/-447.128 χ^2/NDF:22.3/12

Left: 1812.870+/-315.630 χ^2/NDF: 33.2/26

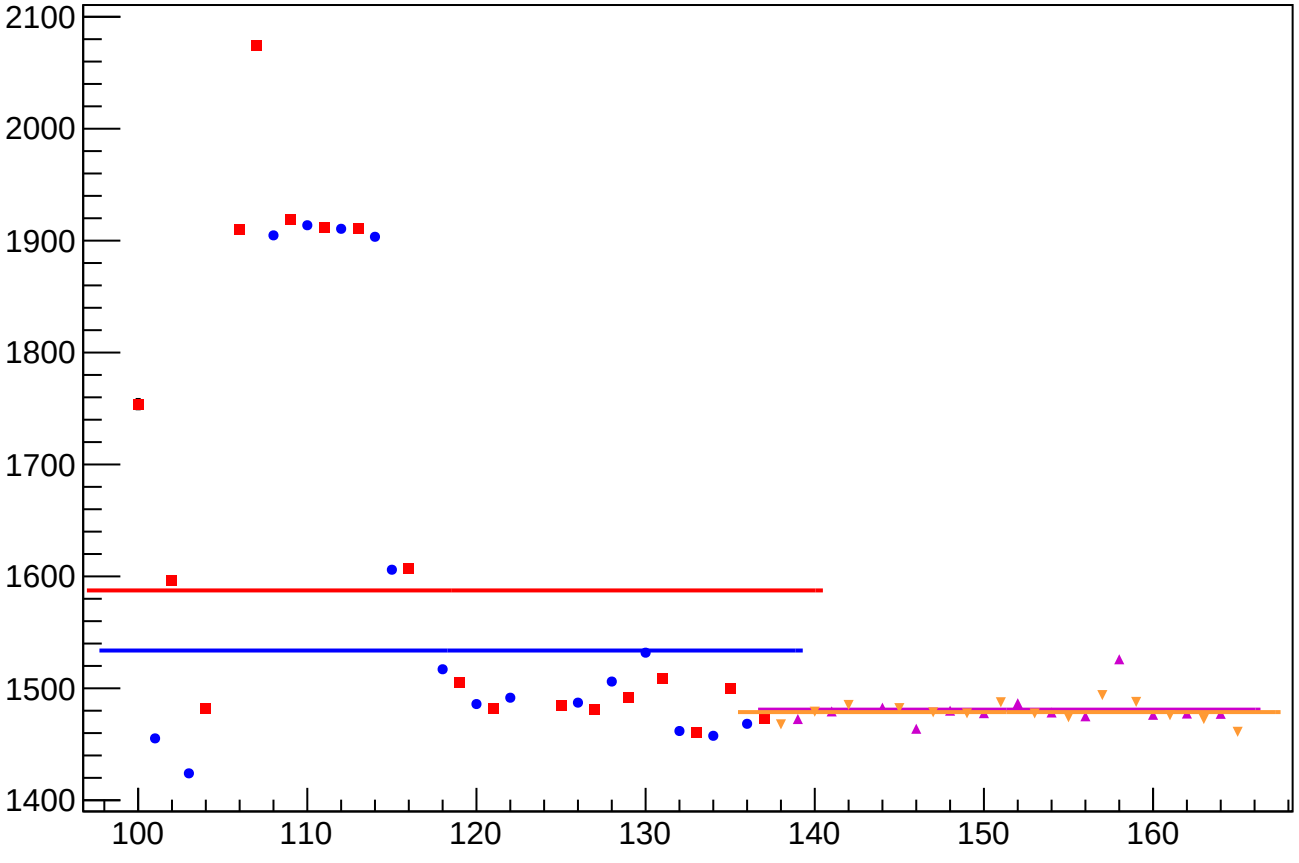
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1752.059+/-352.329 χ^2/NDF:34.6/28

Out: 1869.845+/-355.482 χ^2/NDF:26.8/31

All: 1810.427+/-250.241 χ^2/NDF: 61.4/60

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

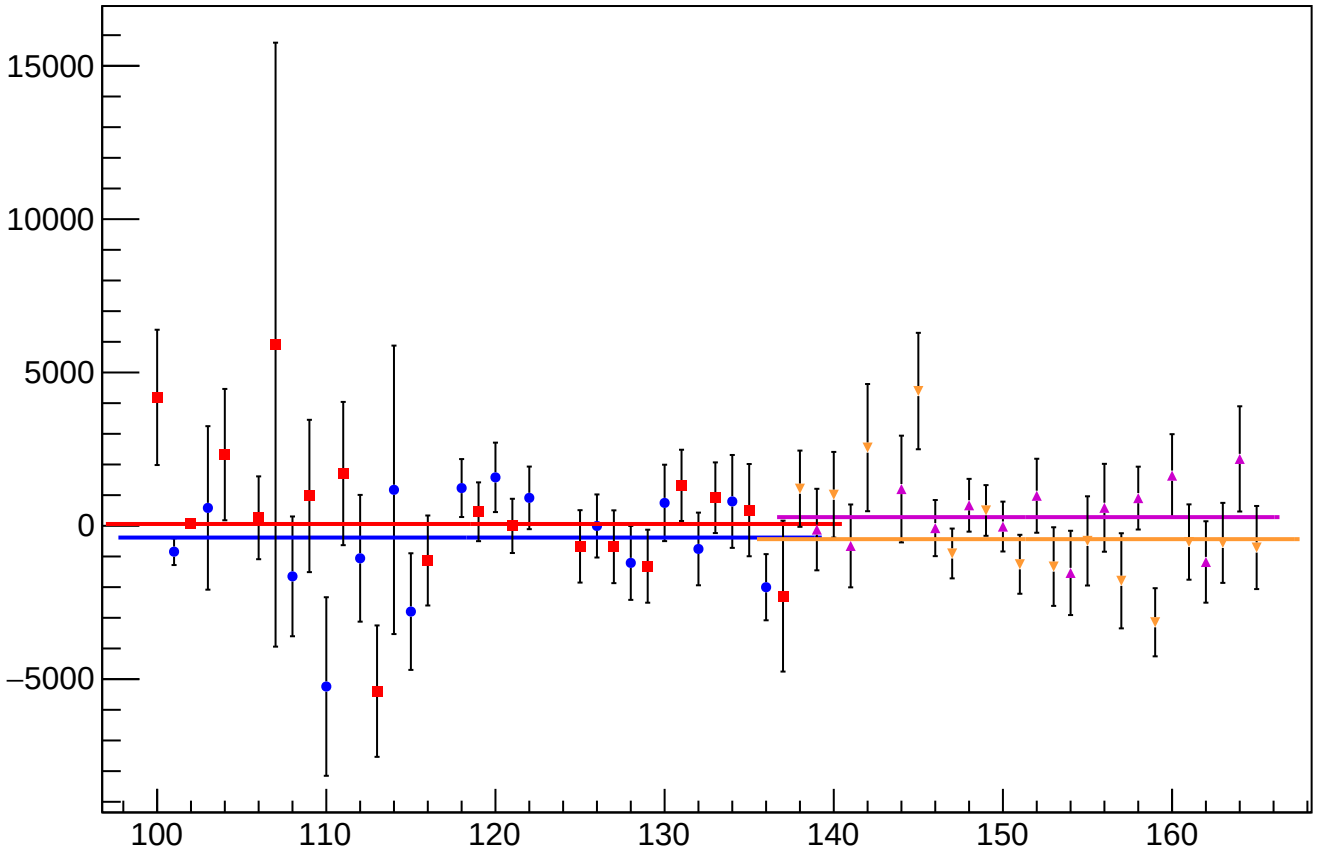
Left: 1479.849+/-0.223 χ^2/NDF: 2604.5/26

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1500.975+/-0.249 χ^2/NDF:141790.6/28

Out: 1518.281+/-0.251 χ^2/NDF:215908.6/31

All: 1509.551+/-0.177 χ^2/NDF: 360090.5/60



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.821+/-318.906 χ^2/NDF:21.0/13

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 283.344+/-322.572 χ^2/NDF:7.3/12

Left: -79.842+/-226.786 χ^2/NDF: 30.8/26

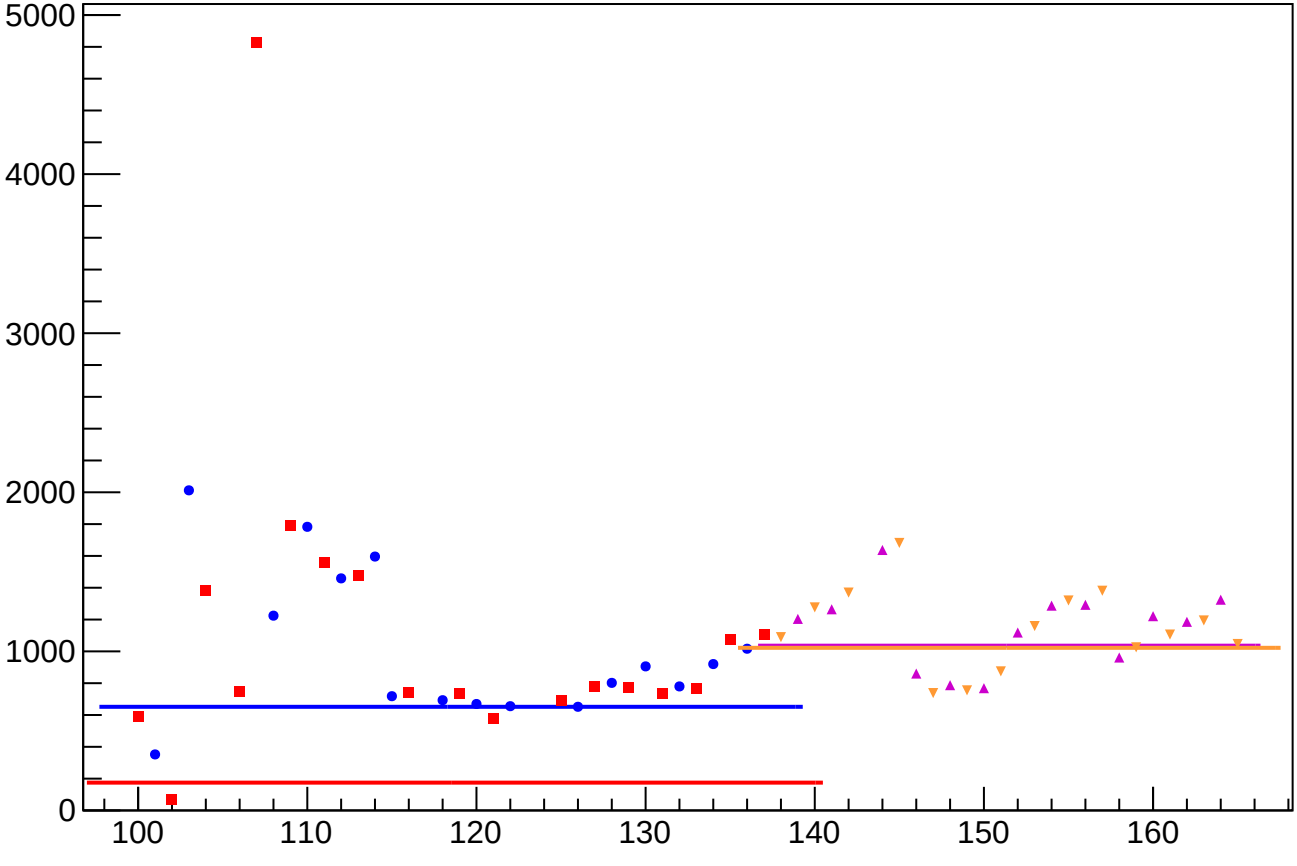
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -105.724+/-208.035 χ^2/NDF:28.0/28

Out: -8.404+/-118.549 χ^2/NDF:40.8/31

All: -32.260+/-102.999 χ^2/NDF: 69.0/60

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1022.313+/-0.226 χ^2/NDF:1129515.0/13

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1035.790+/-0.228 χ^2/NDF:1055459.3/12

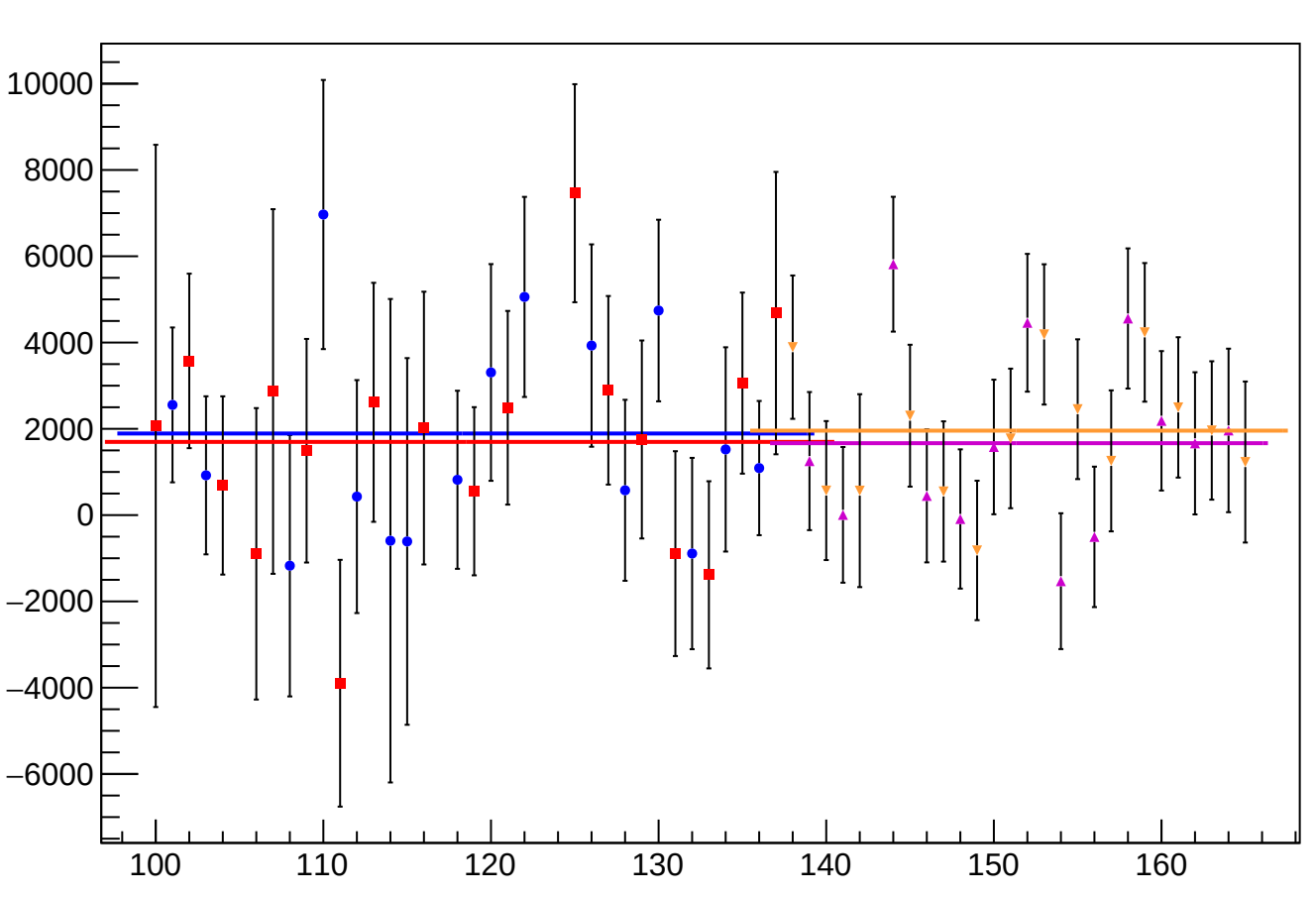
Left: 1028.975+/-0.160 χ^2/NDF: 2186739.9/26

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 811.351+/-0.147 χ^2/NDF:5475833.7/28

Out: 292.001+/-0.084 χ^2/NDF:23061234.1/31

All: 419.310+/-0.073 χ^2/NDF: 37946217.5/60



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.762+/-445.612 χ^2/NDF:10.7/13

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1667.066+/-447.128 χ^2/NDF:22.3/12

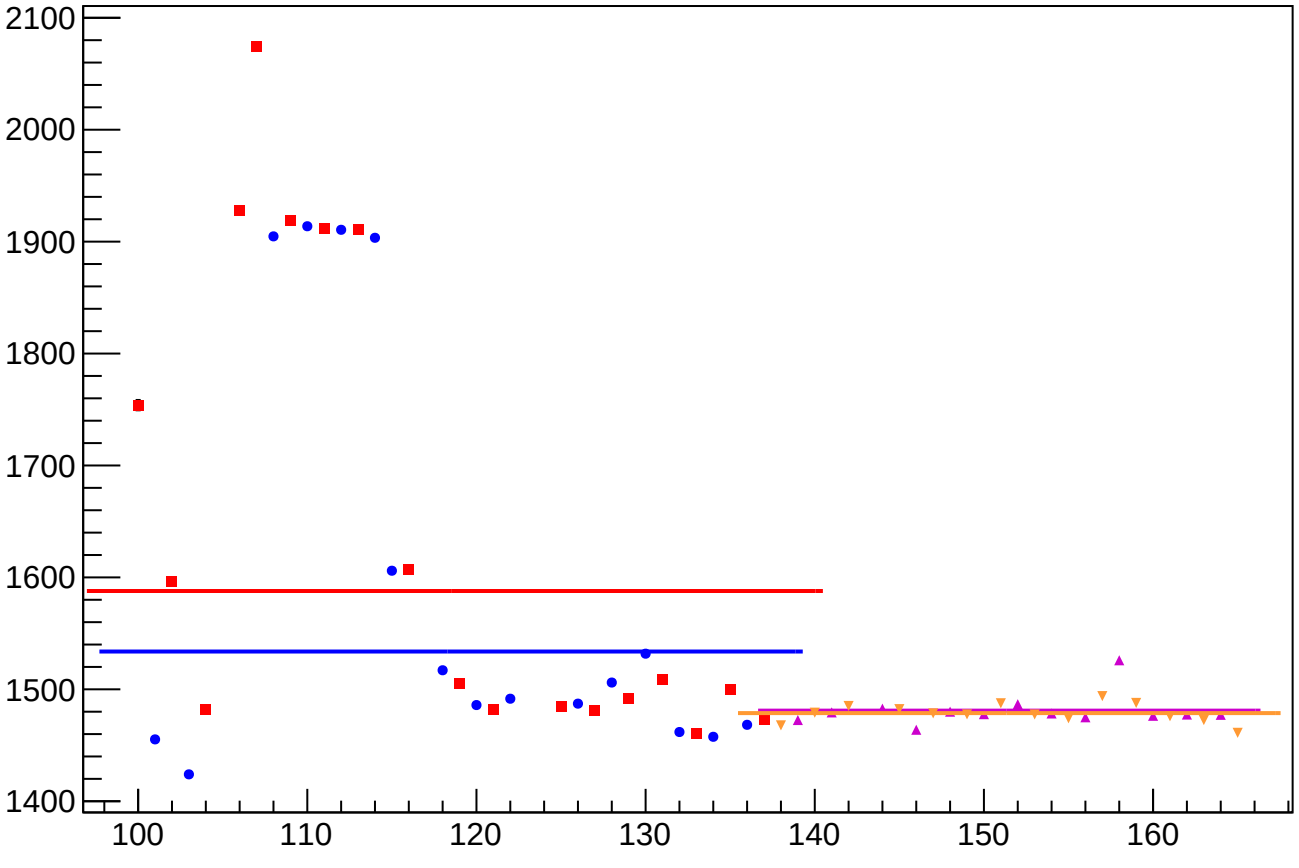
Left: 1812.907+/-315.630 χ^2/NDF: 33.2/26

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1752.168+/-352.329 χ^2/NDF:34.6/28

Out: 1862.978+/-355.521 χ^2/NDF:27.0/31

All: 1807.073+/-250.255 χ^2/NDF: 61.6/60



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

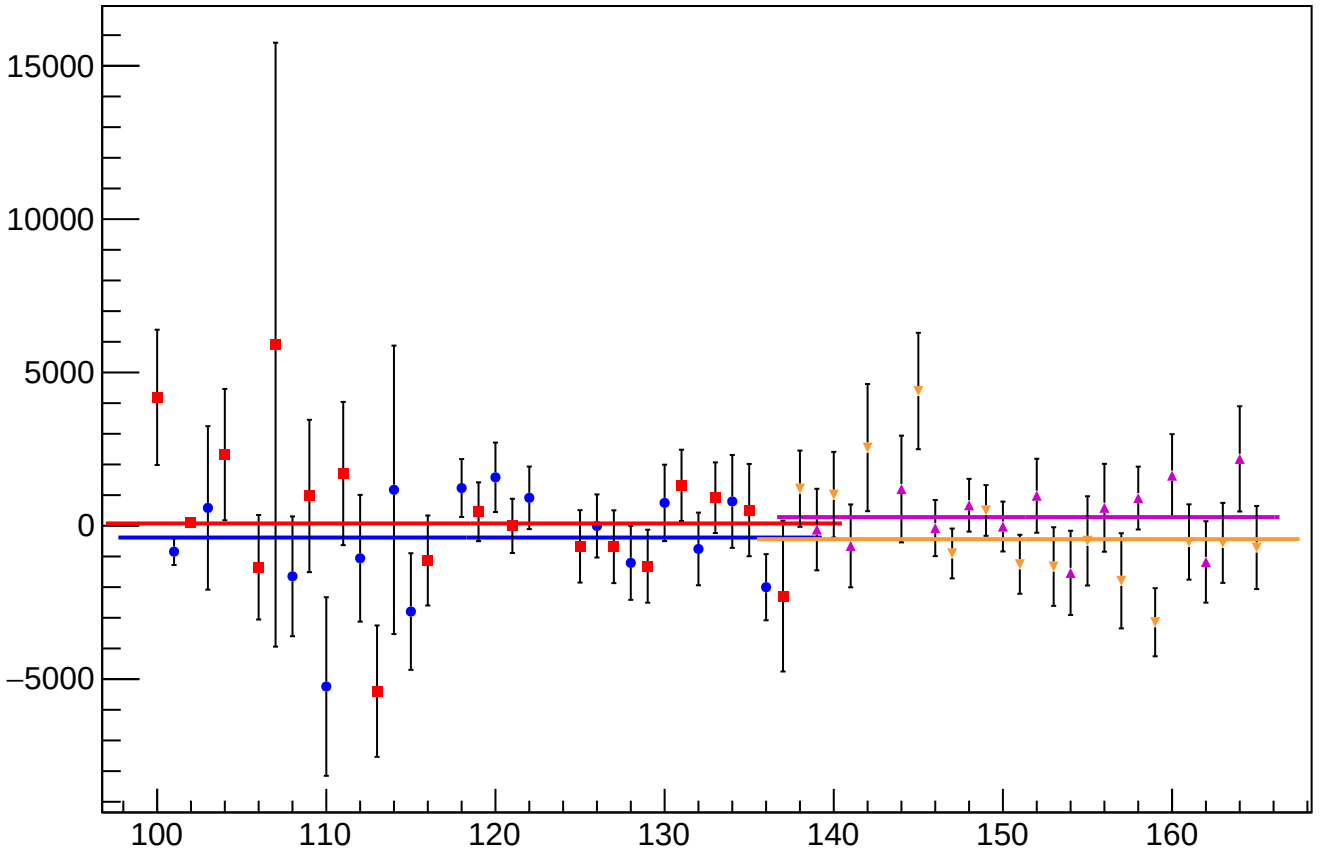
Left: 1479.849+/-0.223 χ^2/NDF: 2604.5/26

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1500.975+/-0.249 χ^2/NDF:141790.6/28

Out: 1518.405+/-0.251 χ^2/NDF:217977.3/31

All: 1509.611+/-0.177 χ^2/NDF: 362193.2/60



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.884+/-318.909 χ^2/NDF:21.0/13

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 283.427+/-322.572 χ^2/NDF:7.3/12

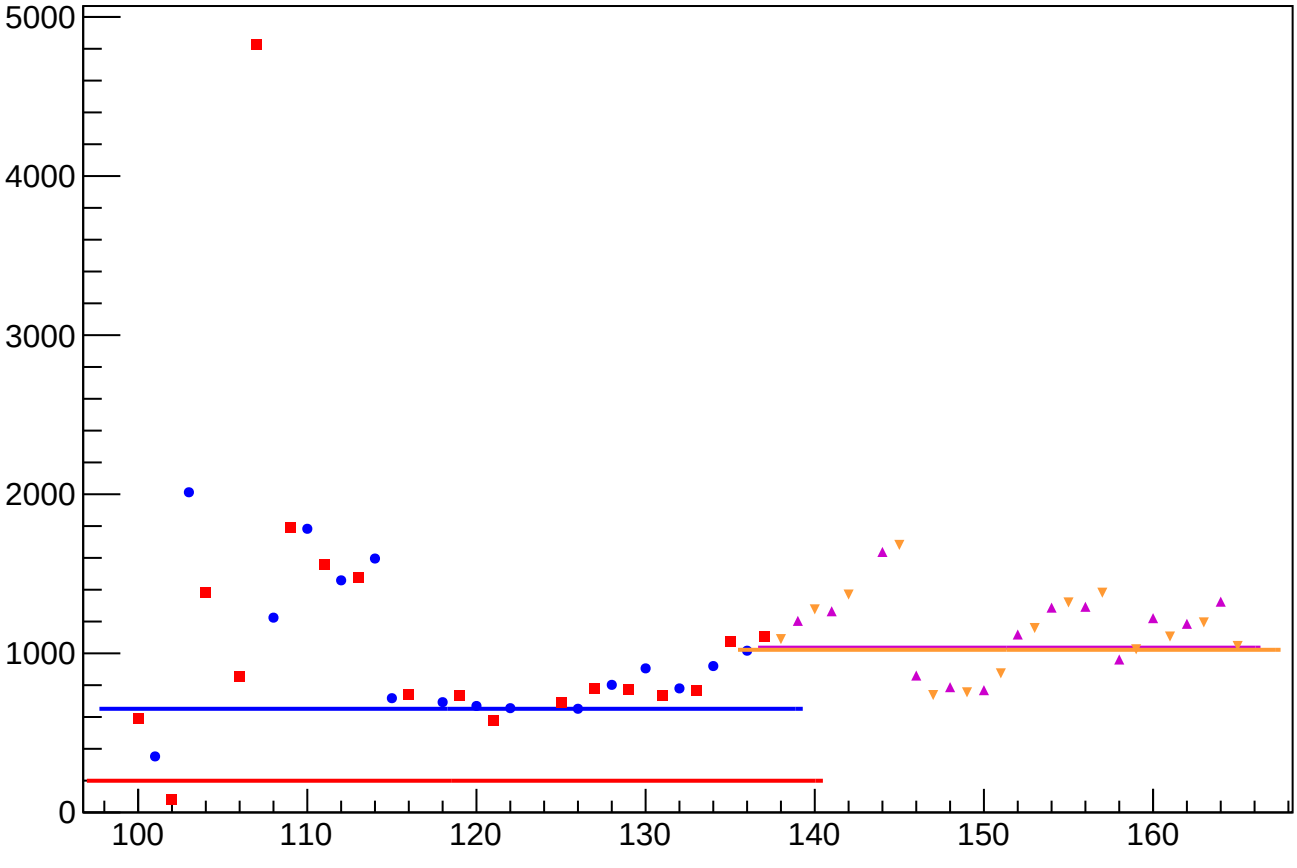
Left: -79.831+/-226.787 χ^2/NDF: 30.8/26

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -105.675+/-208.035 χ^2/NDF:28.0/28

Out: -4.076+/-126.757 χ^2/NDF:41.6/31

All: -31.583+/-108.246 χ^2/NDF: 69.8/60



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.322+/-0.226 χ^2/NDF:1129509.0/13

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

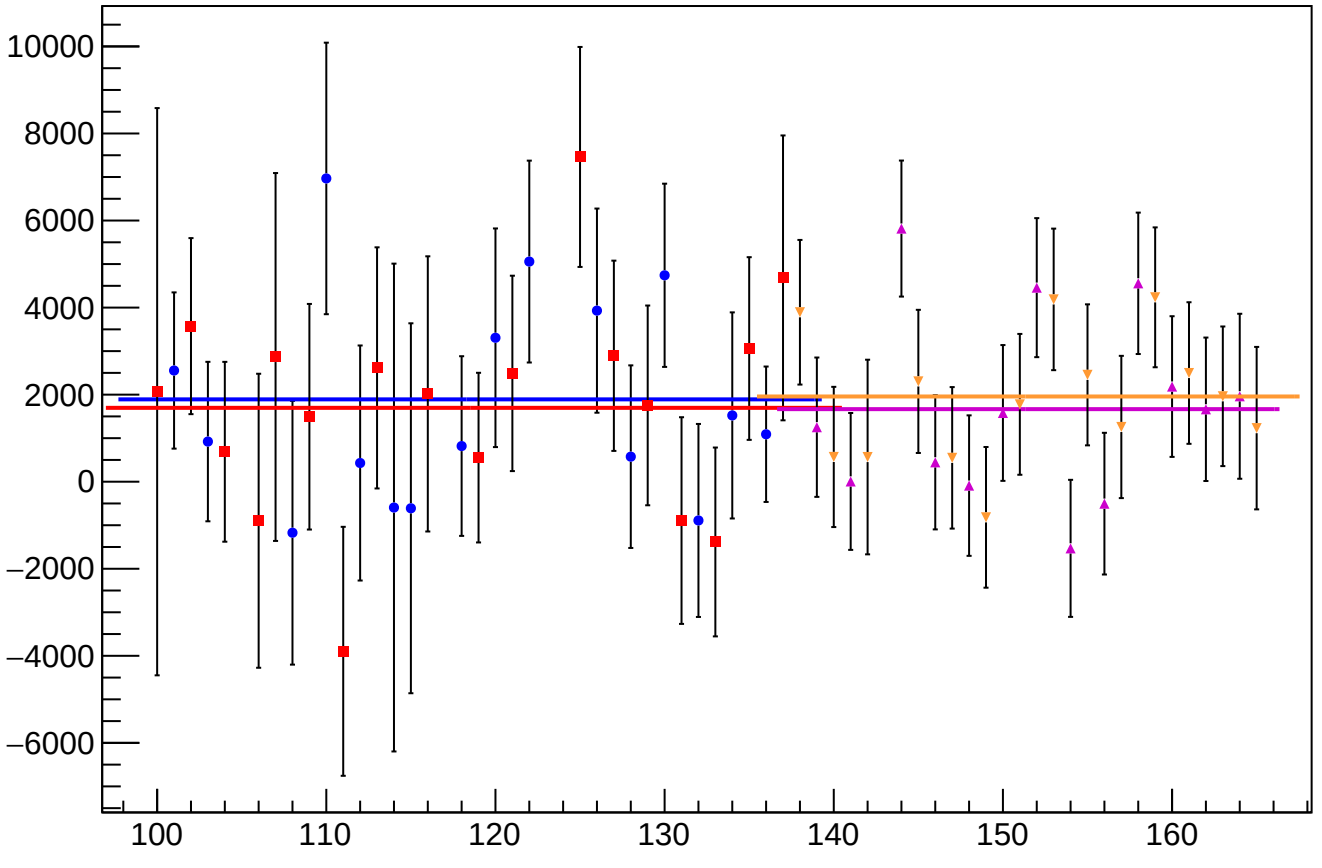
Left: 1028.979+/-0.160 χ^2/NDF: 2186814.4/26

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 811.349+/-0.147 χ^2/NDF:5475954.7/28

Out: 329.360+/-0.090 χ^2/NDF:21629192.0/31

All: 459.854+/-0.077 χ^2/NDF: 34934323.8/60



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.762+/-445.612 χ^2/NDF:10.7/13

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1667.066+/-447.128 χ^2/NDF:22.3/12

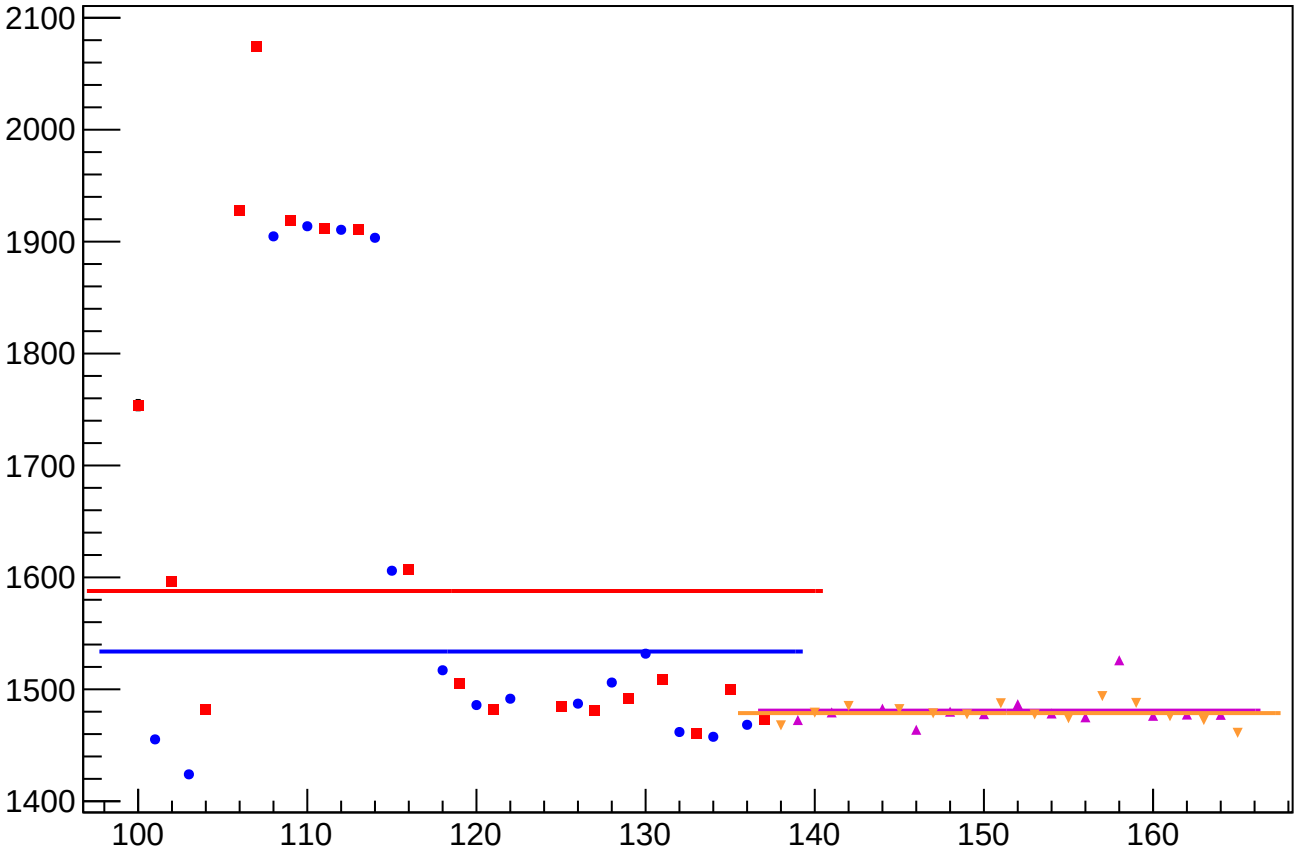
Left: 1812.907+/-315.630 χ^2/NDF: 33.2/26

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1752.168+/-352.329 χ^2/NDF:34.6/28

Out: 1862.978+/-355.521 χ^2/NDF:27.0/31

All: 1807.073+/-250.255 χ^2/NDF: 61.6/60



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

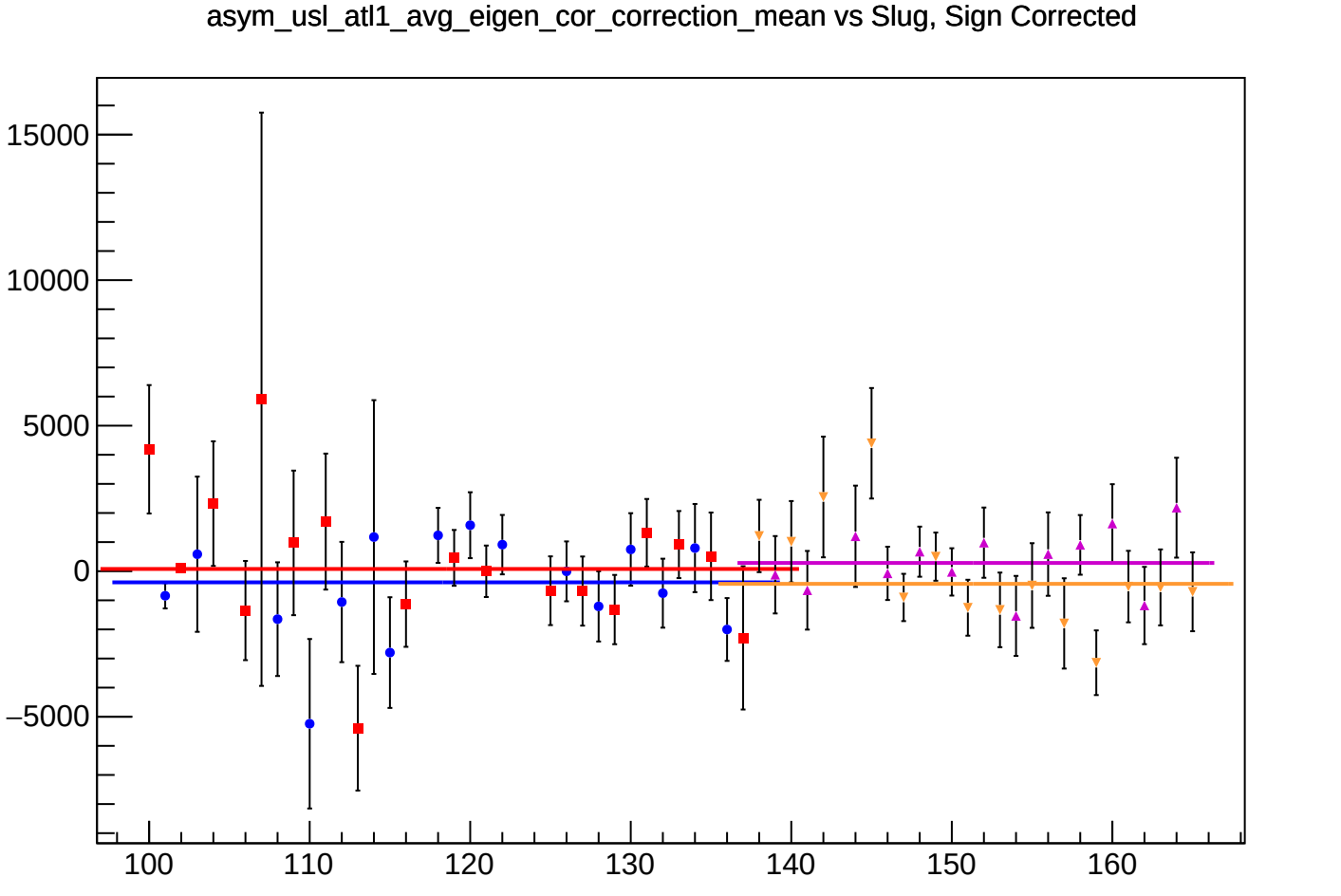
Left: 1479.849+/-0.223 χ^2/NDF: 2604.5/26

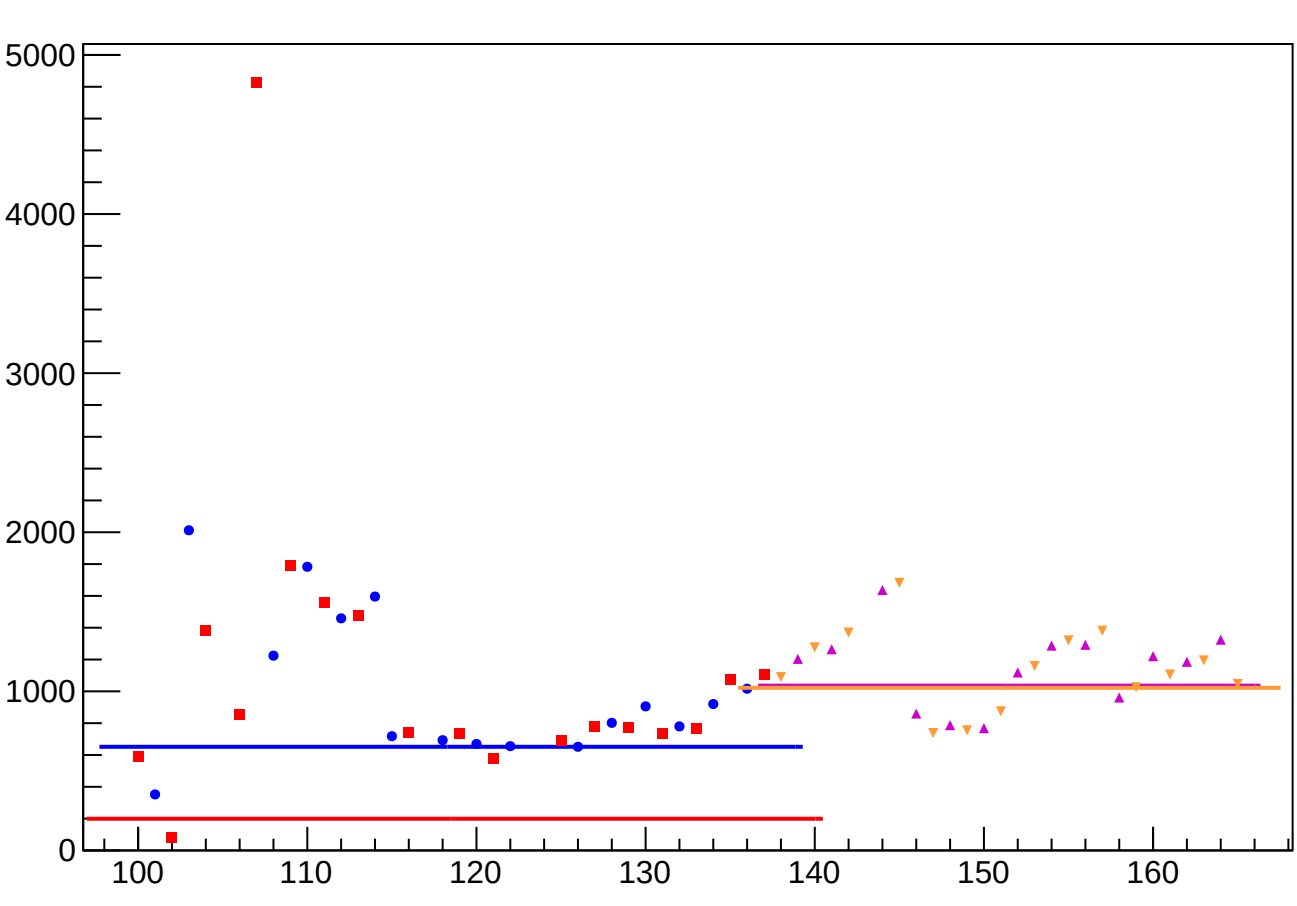
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1500.975+/-0.249 χ^2/NDF:141790.6/28

Out: 1518.405+/-0.251 χ^2/NDF:217977.3/31

All: 1509.611+/-0.177 χ^2/NDF: 362193.2/60


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: -434.884+/-318.909 χ²/NDF:21.0/13
Right Out: 76.754+/-138.137 χ²/NDF: 18.5/17
Left In: 283.427+/-322.572 χ²/NDF:7.3/12
Left: -79.831+/-226.787 χ²/NDF: 30.8/26
Right: -17.348+/-123.184 χ²/NDF: 38.9/33
In: -105.675+/-208.035 χ²/NDF:28.0/28
Out: -4.076+/-126.757 χ²/NDF:41.6/31
All: -31.583+/-108.246 χ²/NDF: 69.8/60



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.322+/-0.226 χ^2/NDF:1129509.0/13

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

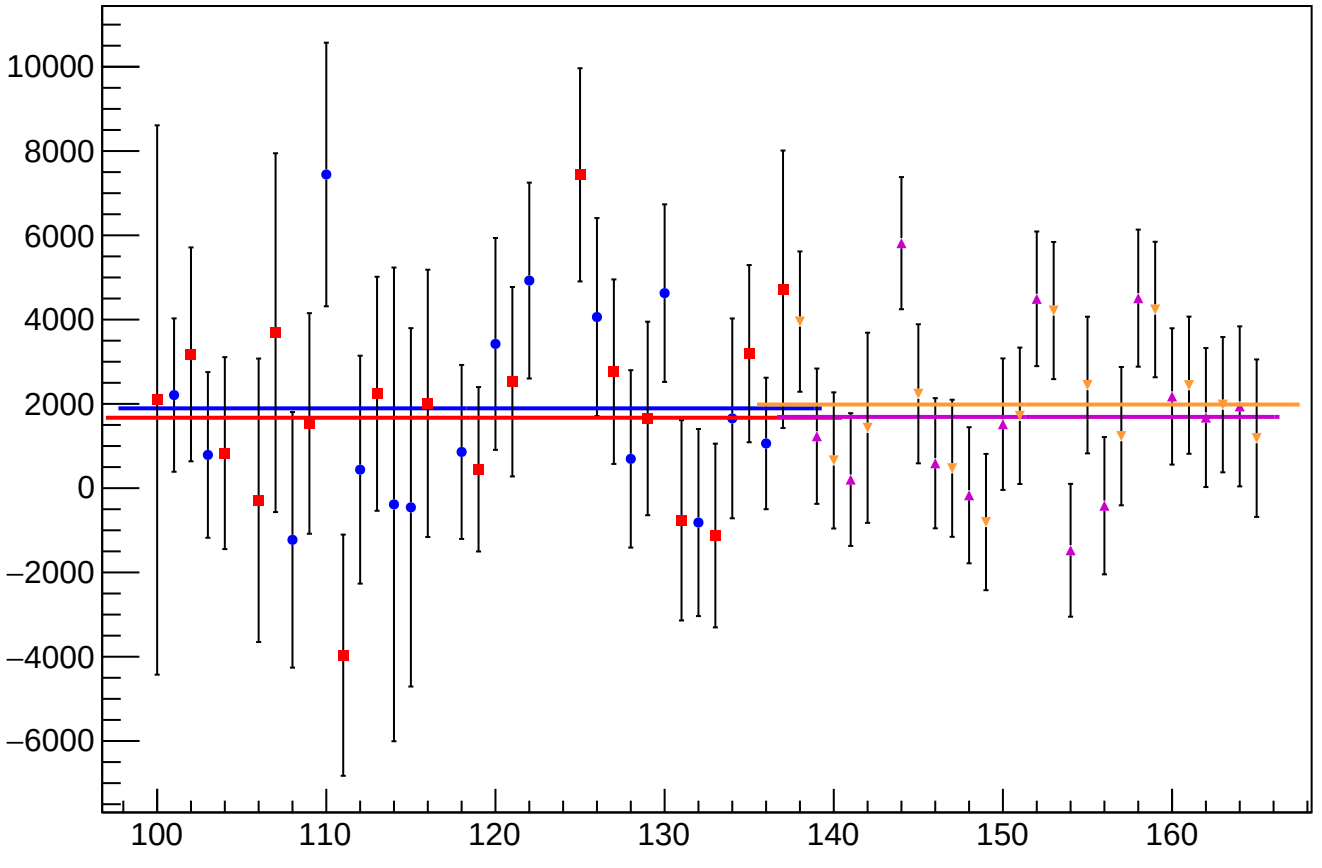
Left: 1028.979+/-0.160 χ^2/NDF: 2186814.4/26

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 811.349+/-0.147 χ^2/NDF:5475954.7/28

Out: 329.360+/-0.090 χ^2/NDF:21629192.0/31

All: 459.854+/-0.077 χ^2/NDF: 34934323.8/60



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1984.869+/-446.438 χ^2/NDF:10.4/13

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1691.020+/-447.803 χ^2/NDF:21.6/12

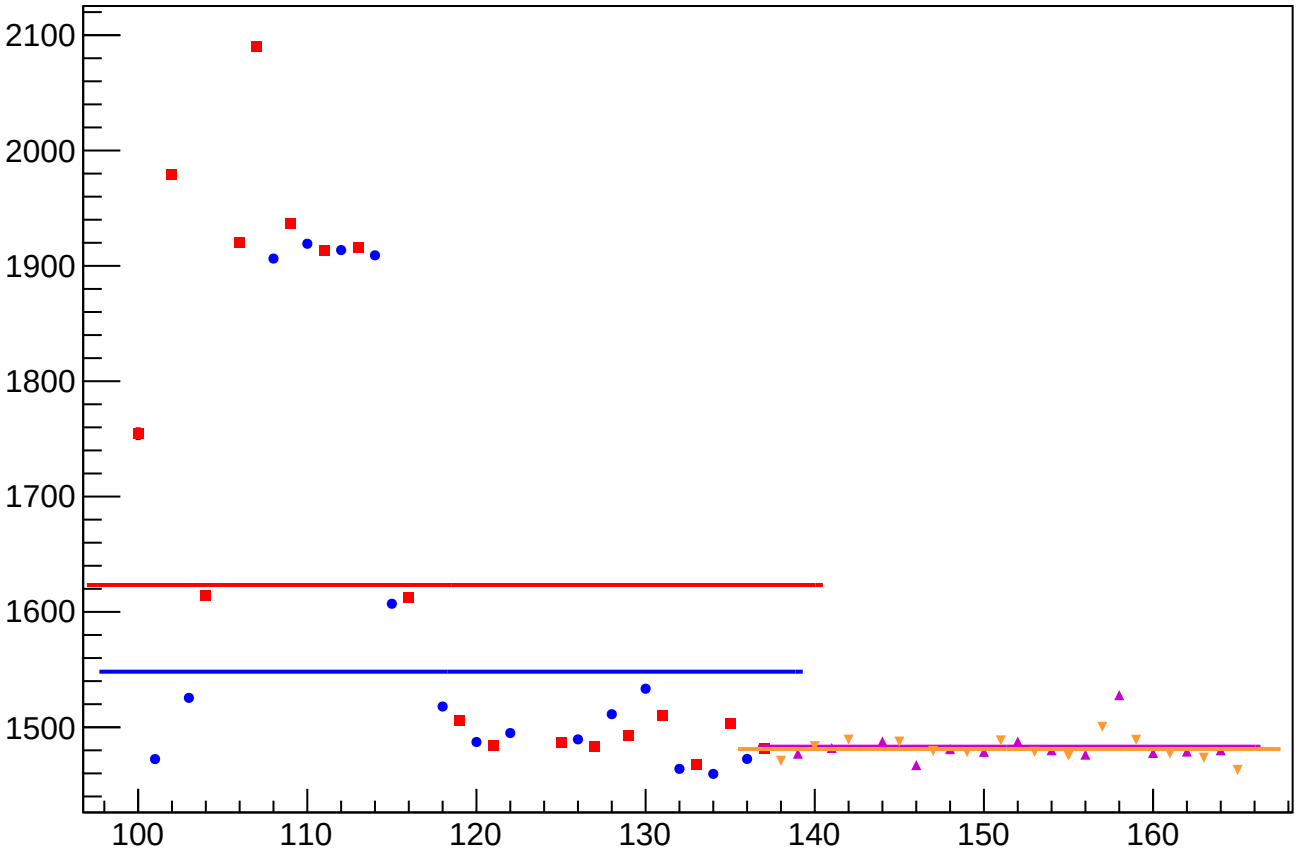
Left: 1838.393+/-316.161 χ^2/NDF: 32.3/26

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1767.281+/-353.909 χ^2/NDF:34.0/28

Out: 1874.153+/-359.190 χ^2/NDF:25.6/31

All: 1819.925+/-252.098 χ^2/NDF: 59.7/60



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.113+/-0.316 χ^2/NDF:783.6/13

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

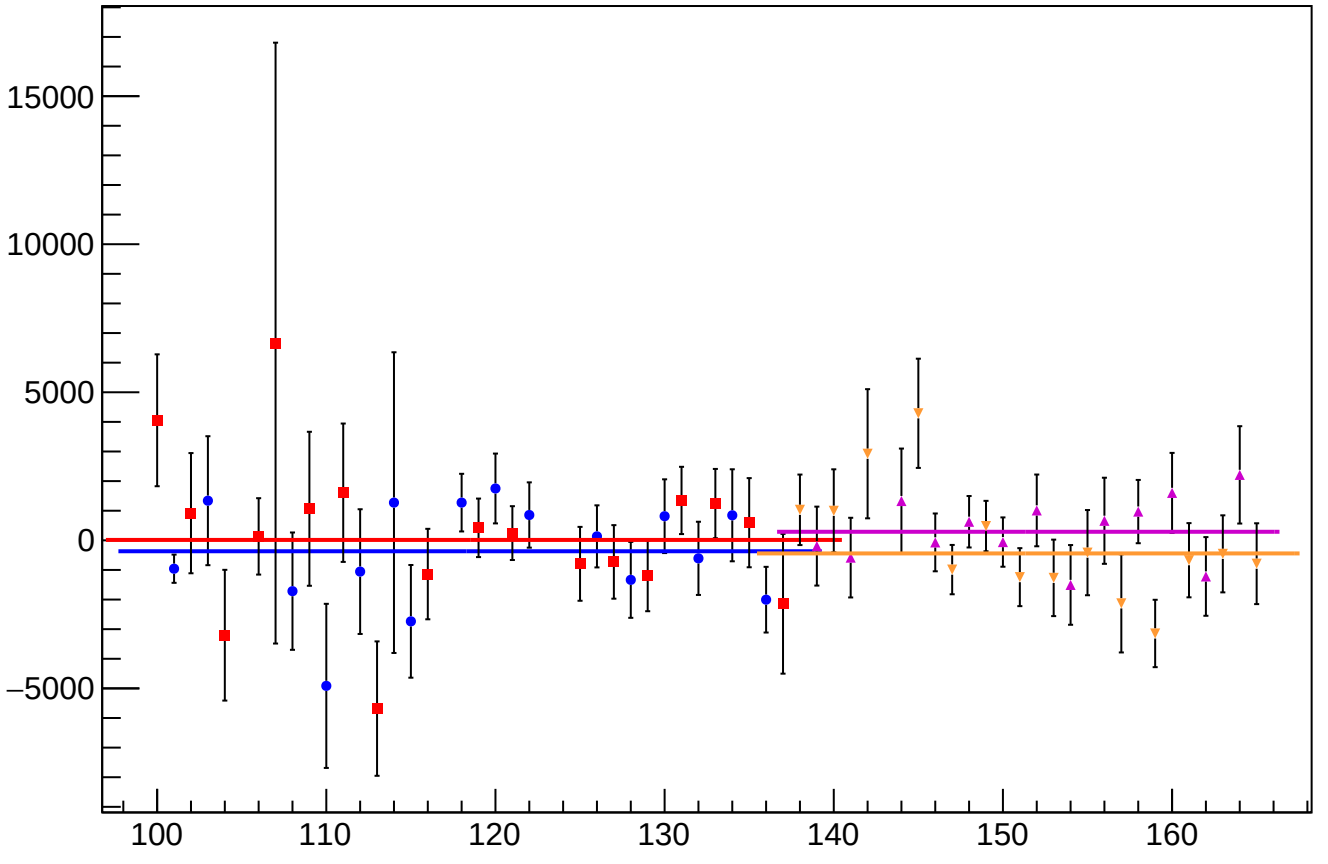
Left: 1482.138+/-0.224 χ^2/NDF: 2694.4/26

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1507.571+/-0.250 χ^2/NDF:137616.0/28

Out: 1531.269+/-0.254 χ^2/NDF:283896.1/31

All: 1519.245+/-0.178 χ^2/NDF: 425929.5/60



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -442.230+/-323.298 χ^2/NDF:21.0/13

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 288.962+/-327.604 χ^2/NDF:7.6/12

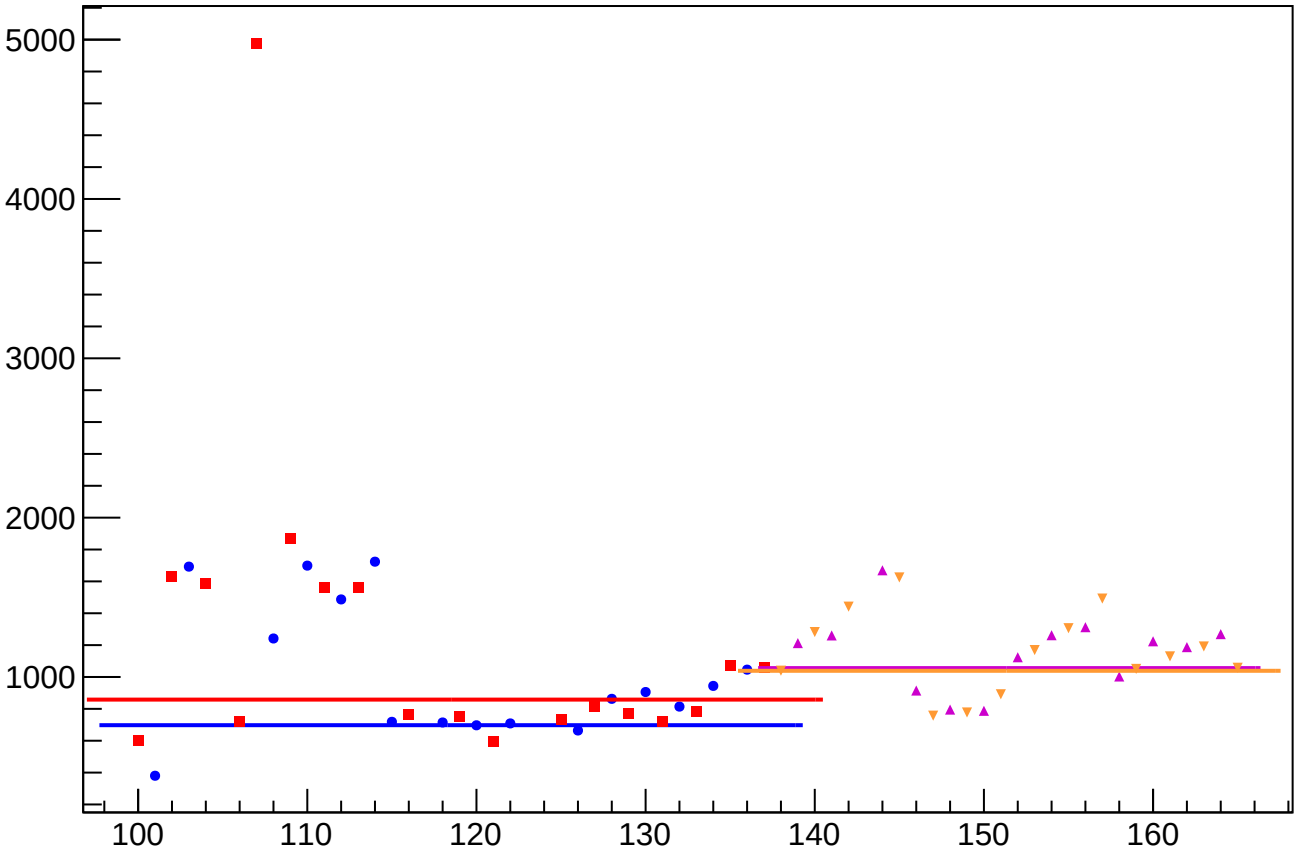
Left: -81.471+/-230.114 χ^2/NDF: 31.1/26

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -83.611+/-215.696 χ^2/NDF:28.7/28

Out: -226.771+/-234.800 χ^2/NDF:41.0/31

All: -149.131+/-158.845 χ^2/NDF: 70.0/60



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.854+/-0.229 χ^2/NDF:1070502.1/13

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1055.789+/-0.232 χ^2/NDF:947610.8/12

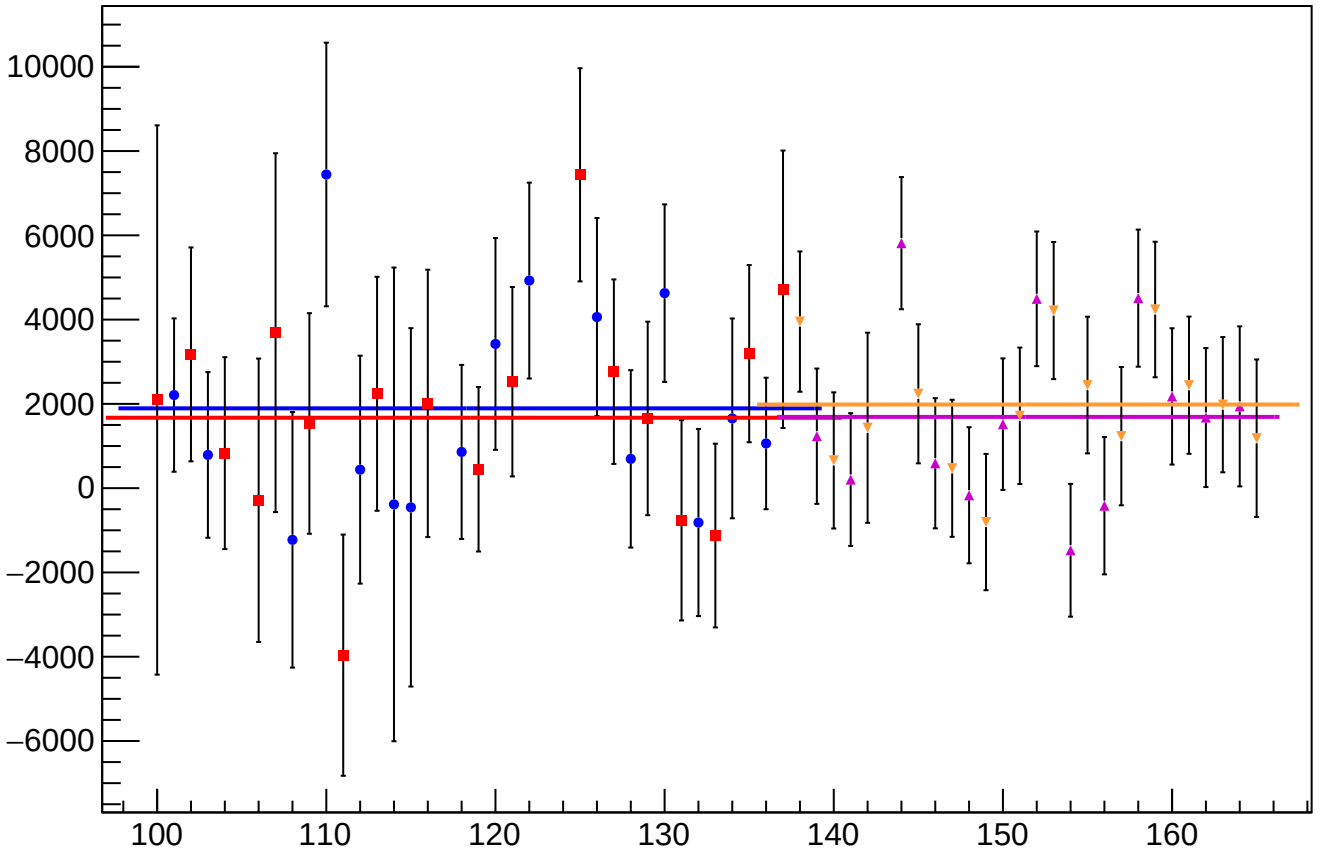
Left: 1047.209+/-0.163 χ^2/NDF: 2020820.6/26

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 852.826+/-0.153 χ^2/NDF:4738280.1/28

Out: 953.438+/-0.166 χ^2/NDF:3248100.2/31

All: 898.873+/-0.112 χ^2/NDF: 8185537.6/60



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1984.867+/-446.438 χ^2/NDF:10.4/13

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1691.021+/-447.803 χ^2/NDF:21.6/12

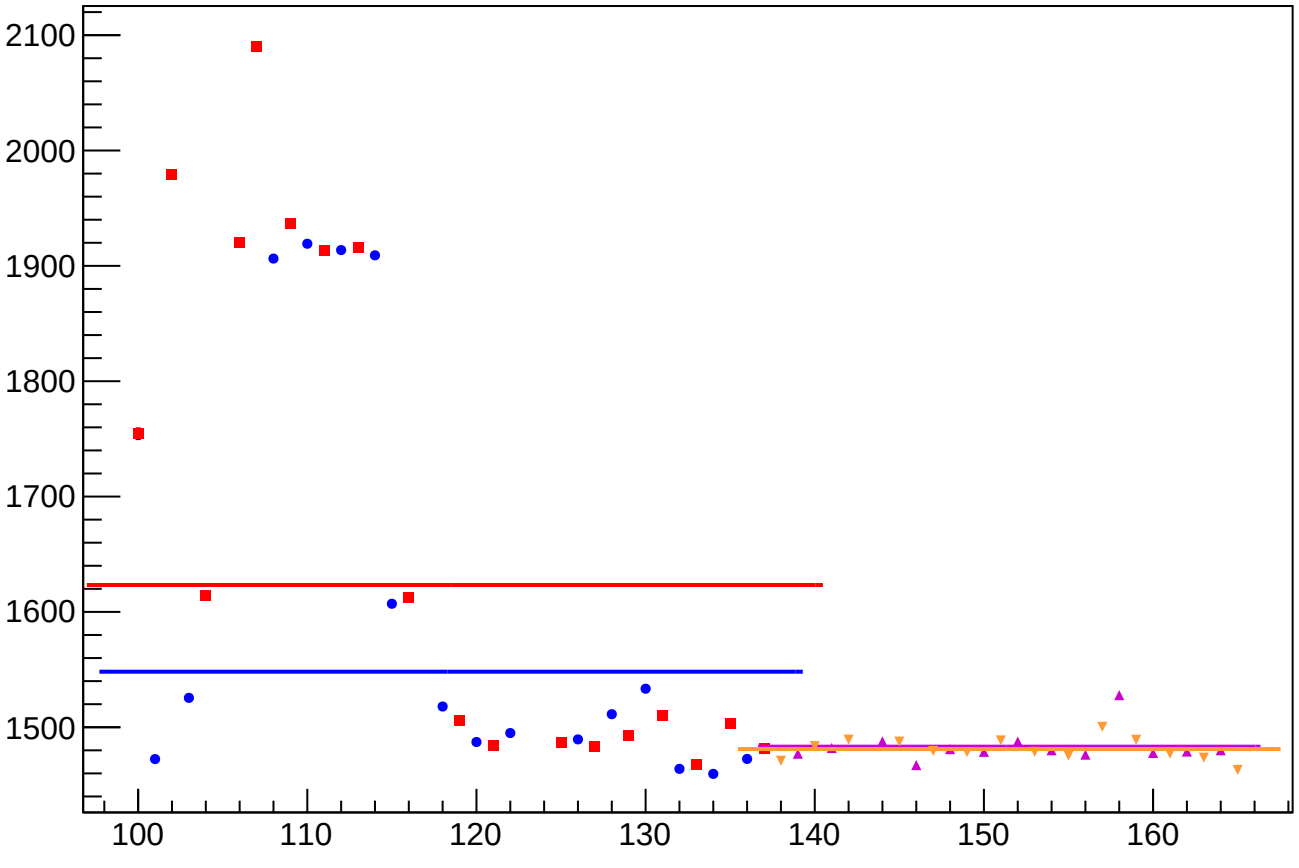
Left: 1838.392+/-316.161 χ^2/NDF: 32.3/26

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1767.281+/-353.909 χ^2/NDF:34.0/28

Out: 1874.151+/-359.190 χ^2/NDF:25.6/31

All: 1819.924+/-252.098 χ^2/NDF: 59.7/60



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.113+/-0.316 χ^2/NDF:783.6/13

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

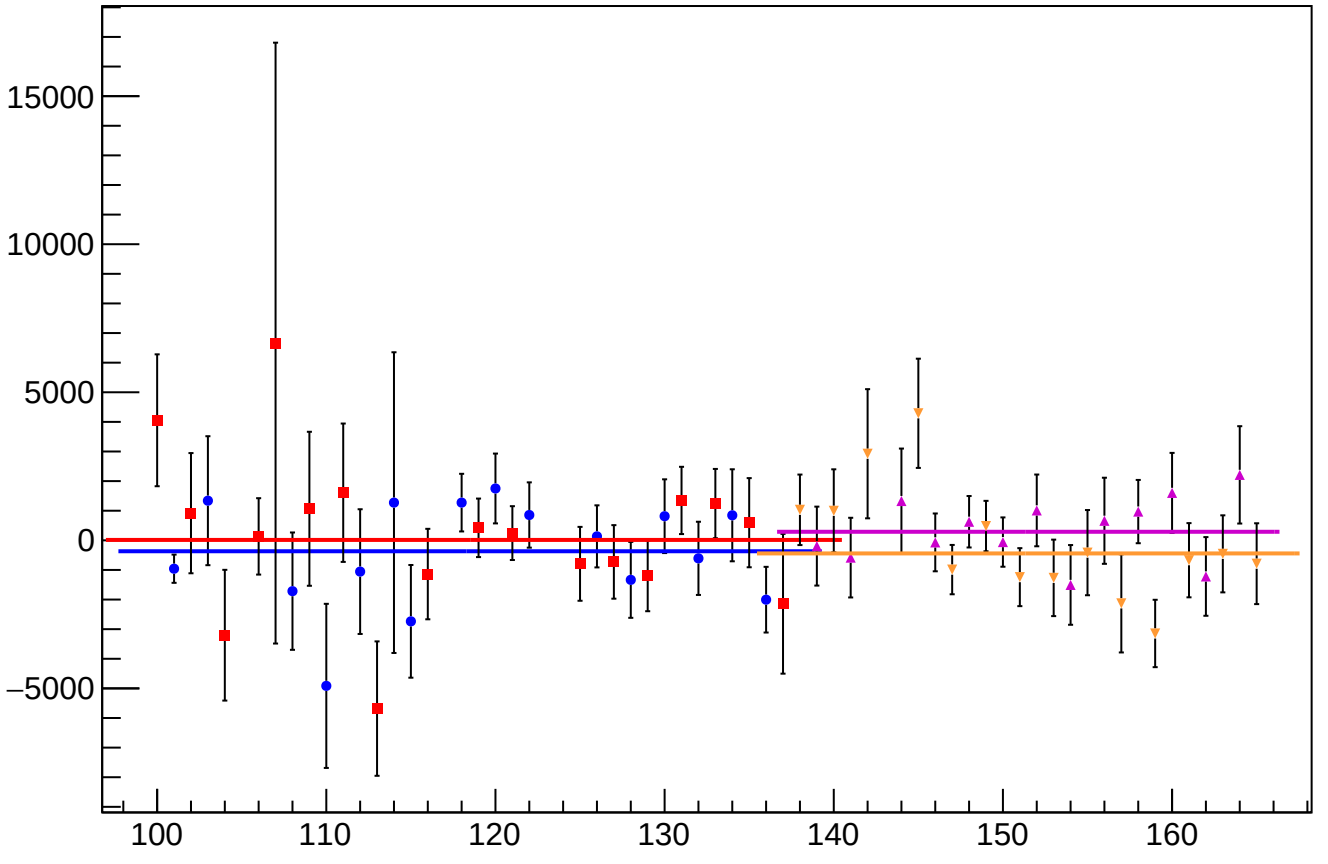
Left: 1482.138+/-0.224 χ^2/NDF: 2694.4/26

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1507.571+/-0.250 χ^2/NDF:137616.0/28

Out: 1531.269+/-0.254 χ^2/NDF:283895.7/31

All: 1519.244+/-0.178 χ^2/NDF: 425929.0/60



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -442.233+/-323.299 χ^2/NDF:21.0/13

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 288.962+/-327.605 χ^2/NDF:7.6/12

Left: -81.472+/-230.114 χ^2/NDF: 31.1/26

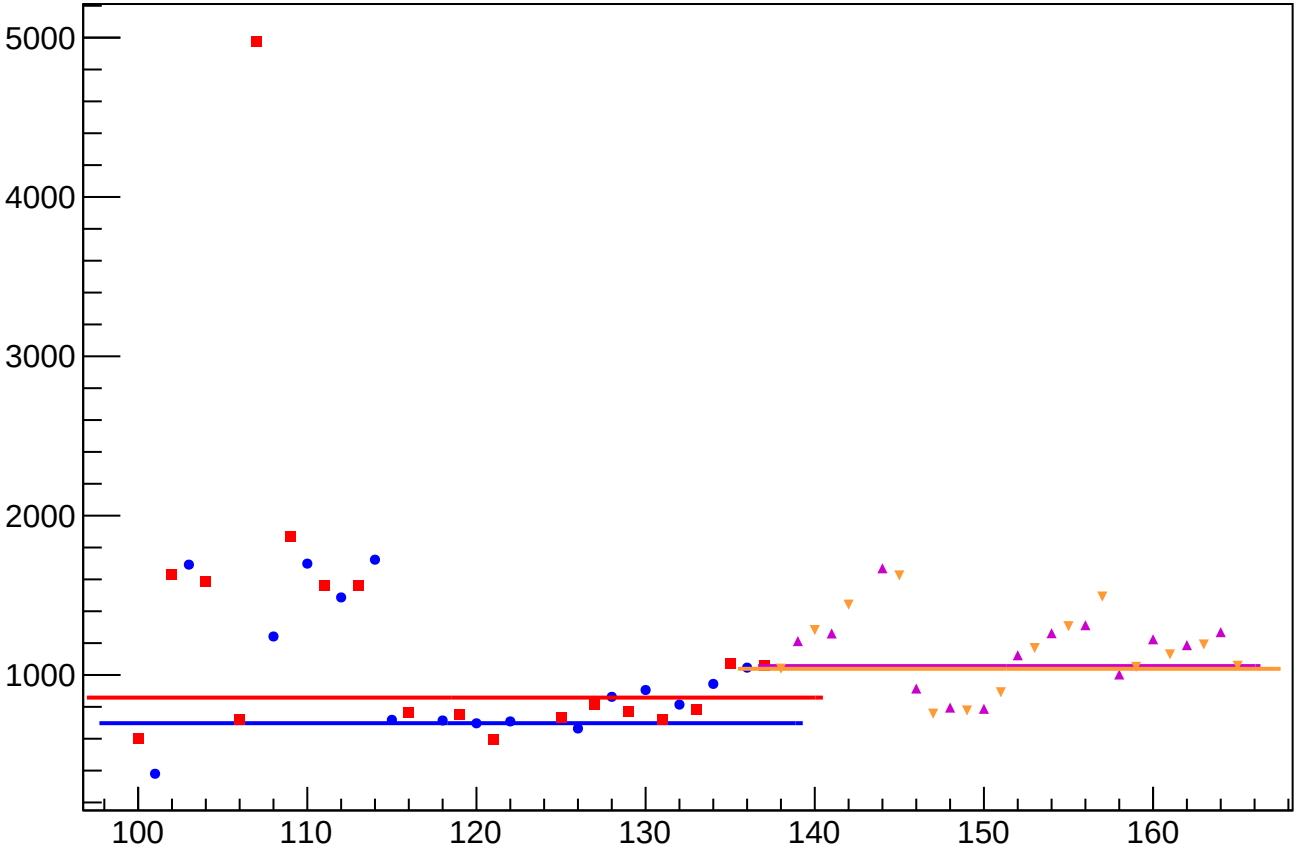
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -83.611+/-215.696 χ^2/NDF:28.7/28

Out: -226.771+/-234.800 χ^2/NDF:41.0/31

All: -149.131+/-158.845 χ^2/NDF: 70.0/60

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: 1038.856+/-0.229 χ^2/NDF:1070499.7/13

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1055.791+/-0.232 χ^2/NDF:947607.5/12

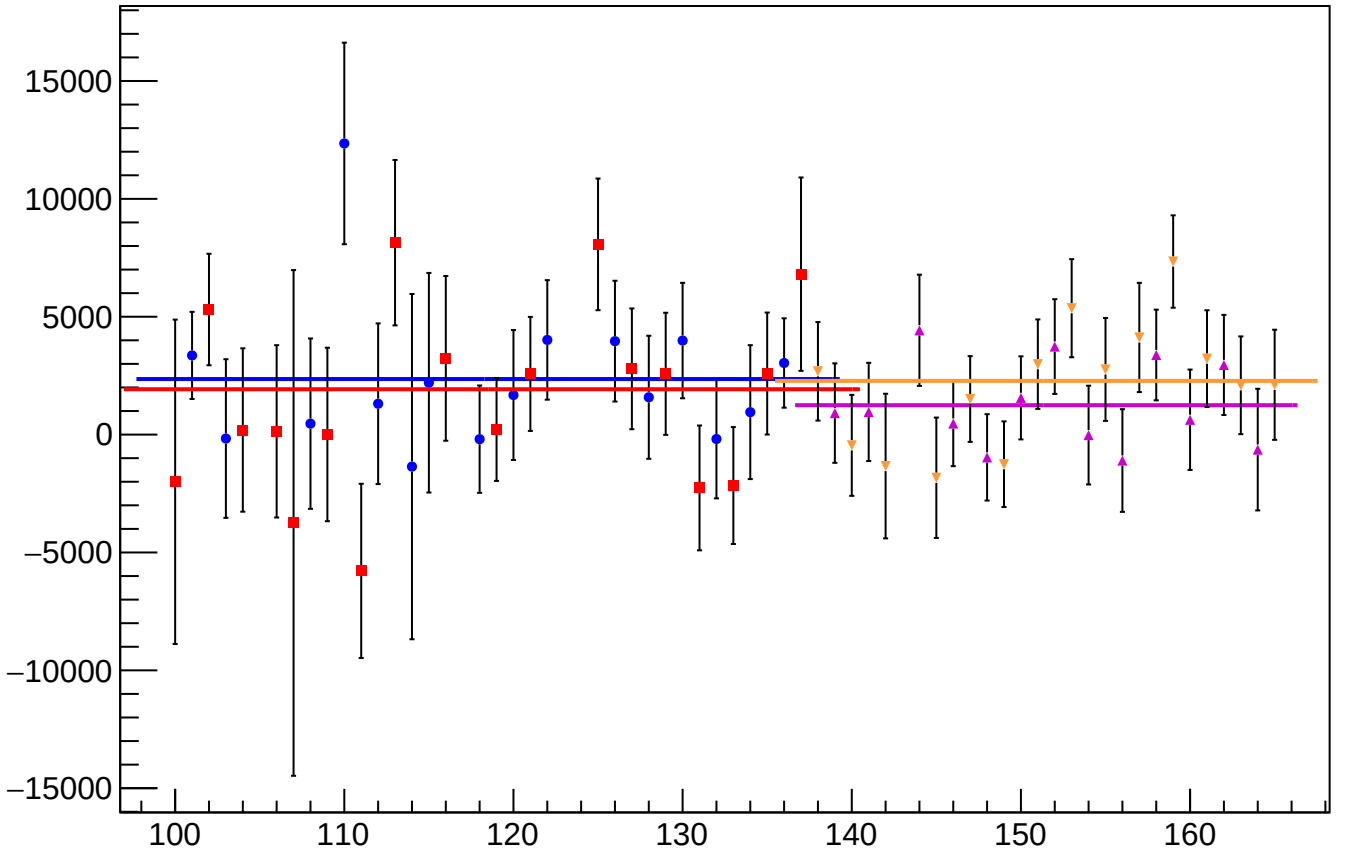
Left: 1047.211+/-0.163 χ^2/NDF: 2020814.8/26

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 852.827+/-0.153 χ^2/NDF:4738280.7/28

Out: 953.438+/-0.166 χ^2/NDF:3248118.6/31

All: 898.874+/-0.112 χ^2/NDF: 8185554.2/60



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2279.052+/-565.231 χ^2/NDF:19.5/13

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1247.275+/-566.974 χ^2/NDF:9.1/12

Left: 1764.751+/-400.293 χ^2/NDF: 30.3/26

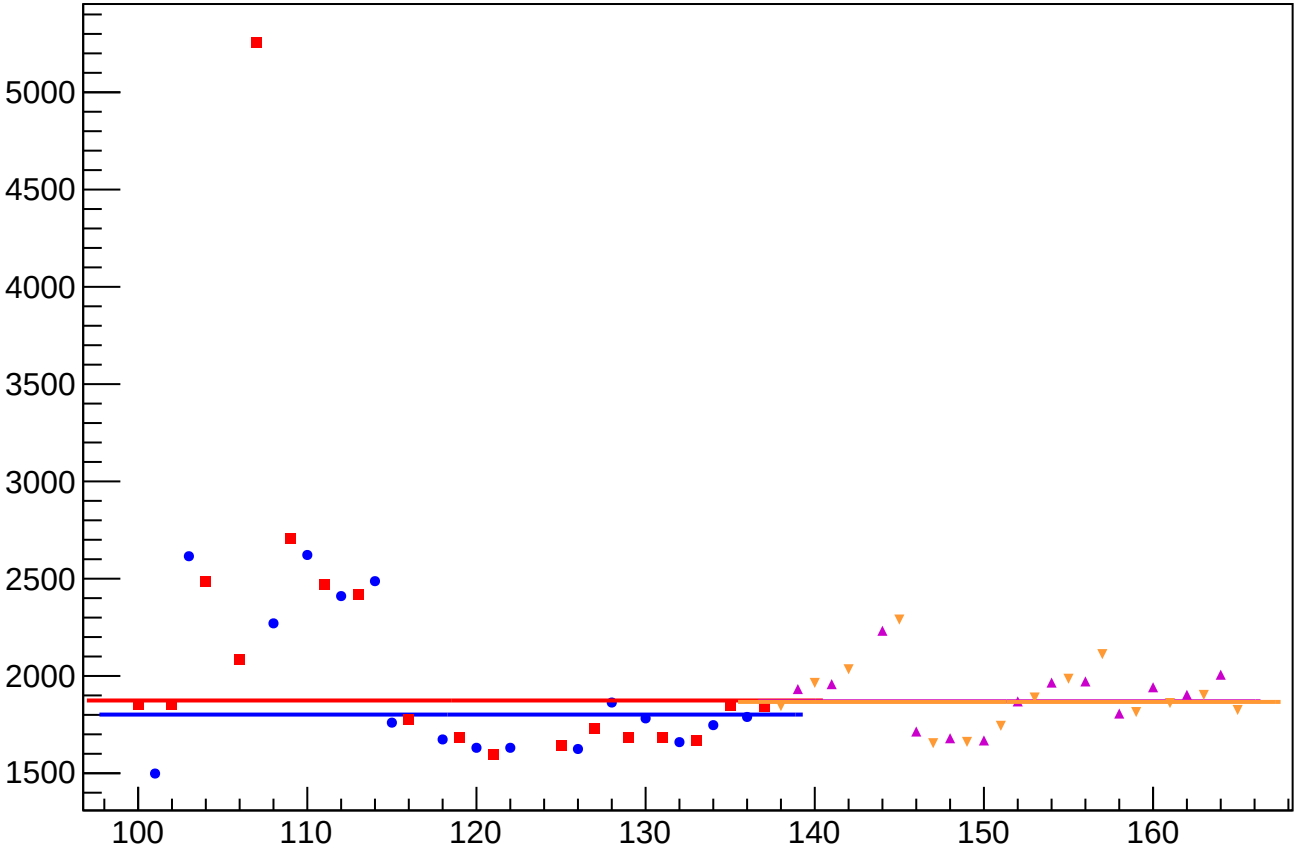
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1703.205+/-435.187 χ^2/NDF:21.7/28

Out: 2140.881+/-441.437 χ^2/NDF:43.1/31

All: 1918.923+/-309.910 χ^2/NDF: 65.3/60

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1866.636+/-0.400 χ^2/NDF:157807.9/13

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1870.080+/-0.401 χ^2/NDF:134150.7/12

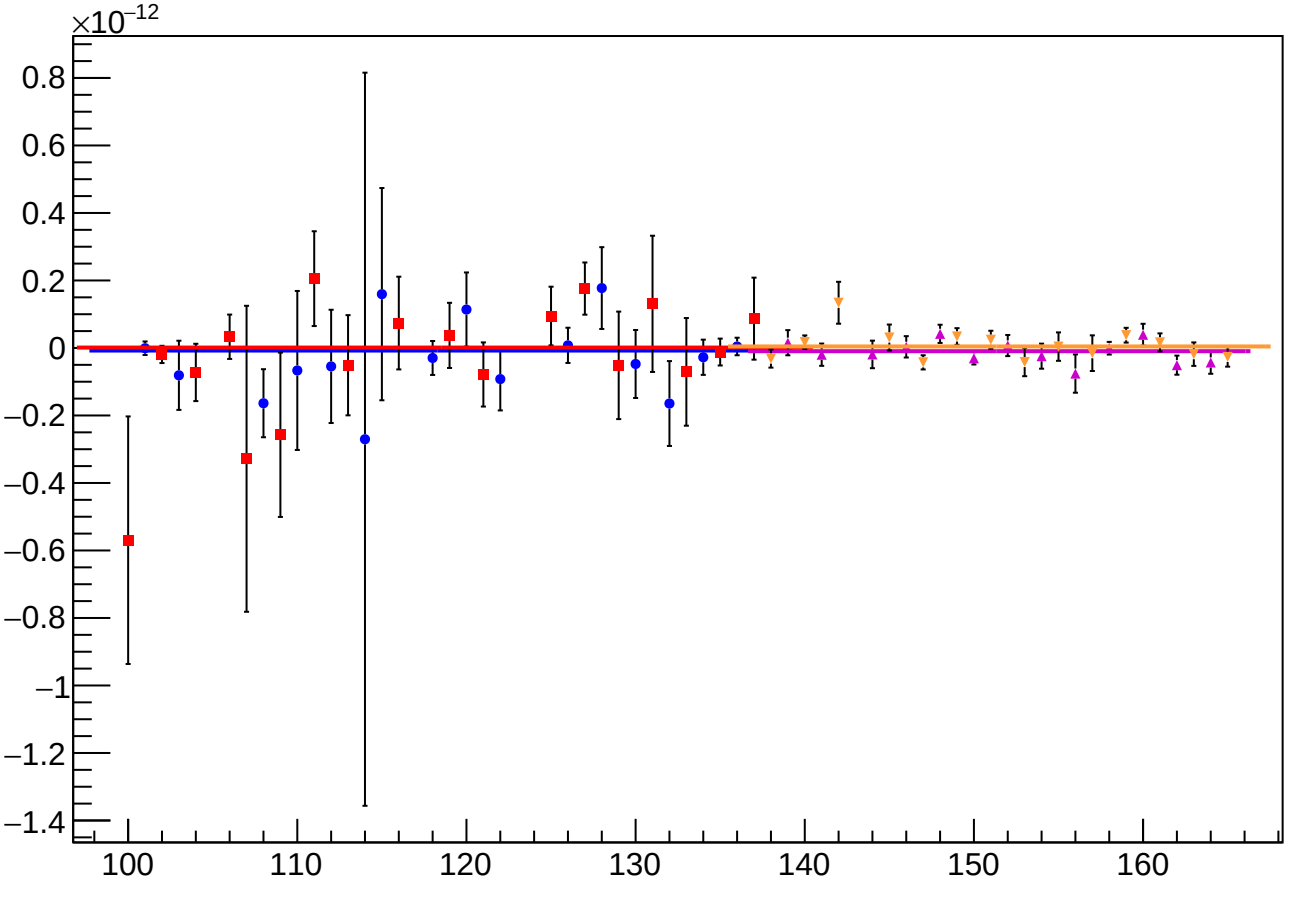
Left: 1868.353+/-0.283 χ^2/NDF: 291995.7/26

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1841.916+/-0.308 χ^2/NDF:546865.5/28

Out: 1869.499+/-0.312 χ^2/NDF:727848.5/31

All: 1855.511+/-0.219 χ^2/NDF: 1278674.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/12

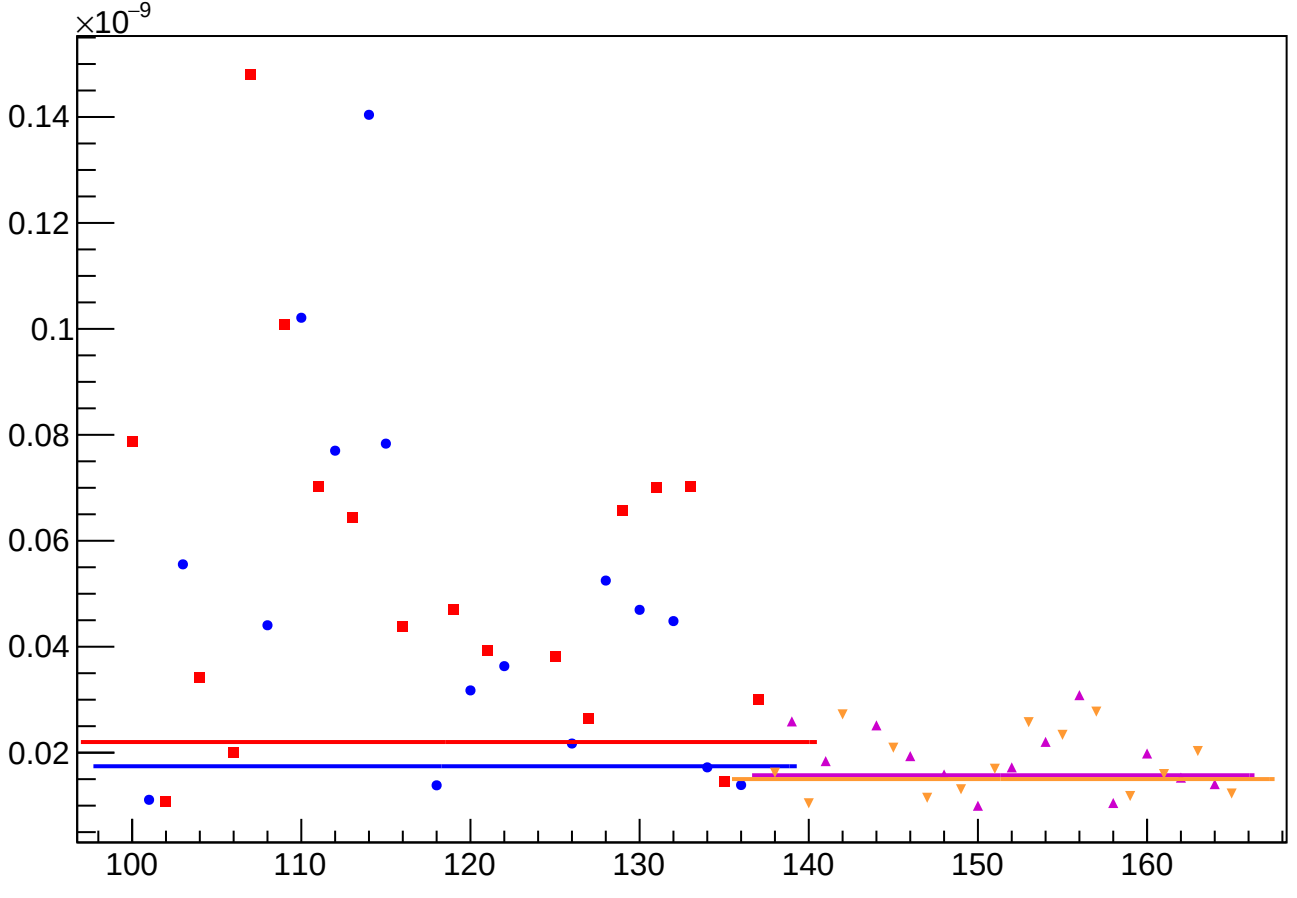
Left: -0.000+/-0.000 χ^2/NDF: 34.3/26

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:23.4/28

Out: 0.000+/-0.000 χ^2/NDF:36.2/31

All: -0.000+/-0.000 χ^2/NDF: 61.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:748741.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:888190.3/12

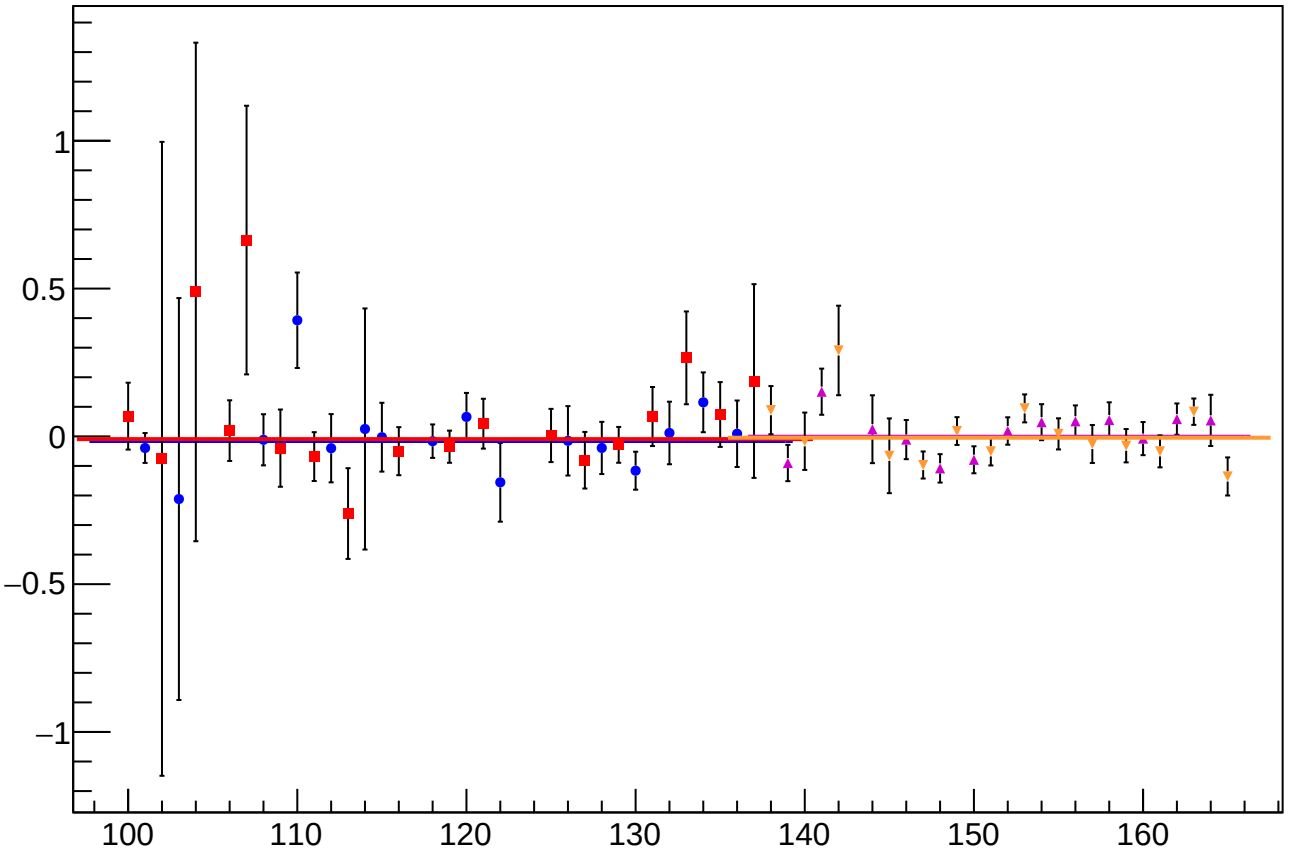
Left: 0.000+/-0.000 χ^2/NDF: 1645463.9/26

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2752657.2/28

Out: 0.000+/-0.000 χ^2/NDF:3124904.4/31

All: 0.000+/-0.000 χ^2/NDF: 5877578.3/60



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

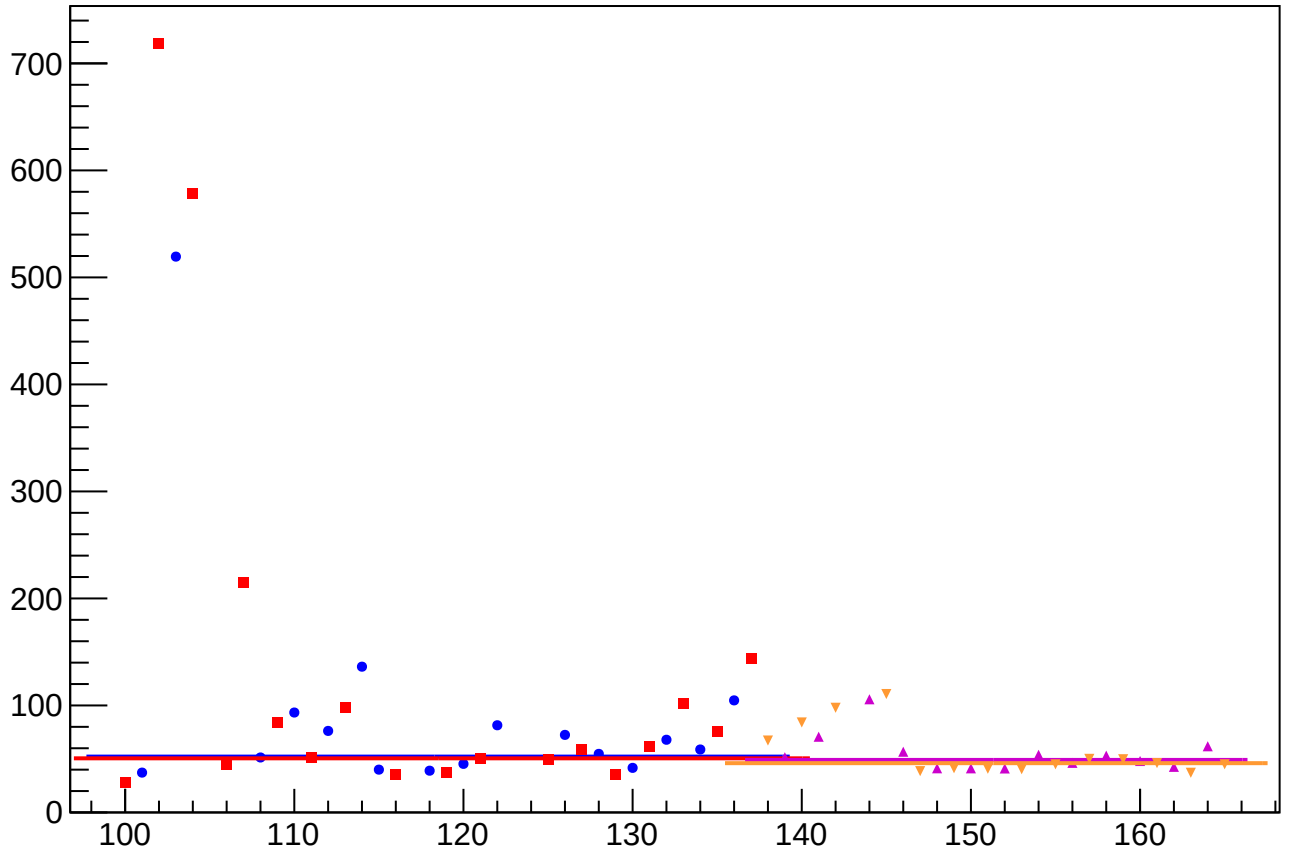
Left: -0.003+/-0.011 χ^2/NDF: 42.4/26

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.006+/-0.009 χ^2/NDF: 68.3/60



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422612.9/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

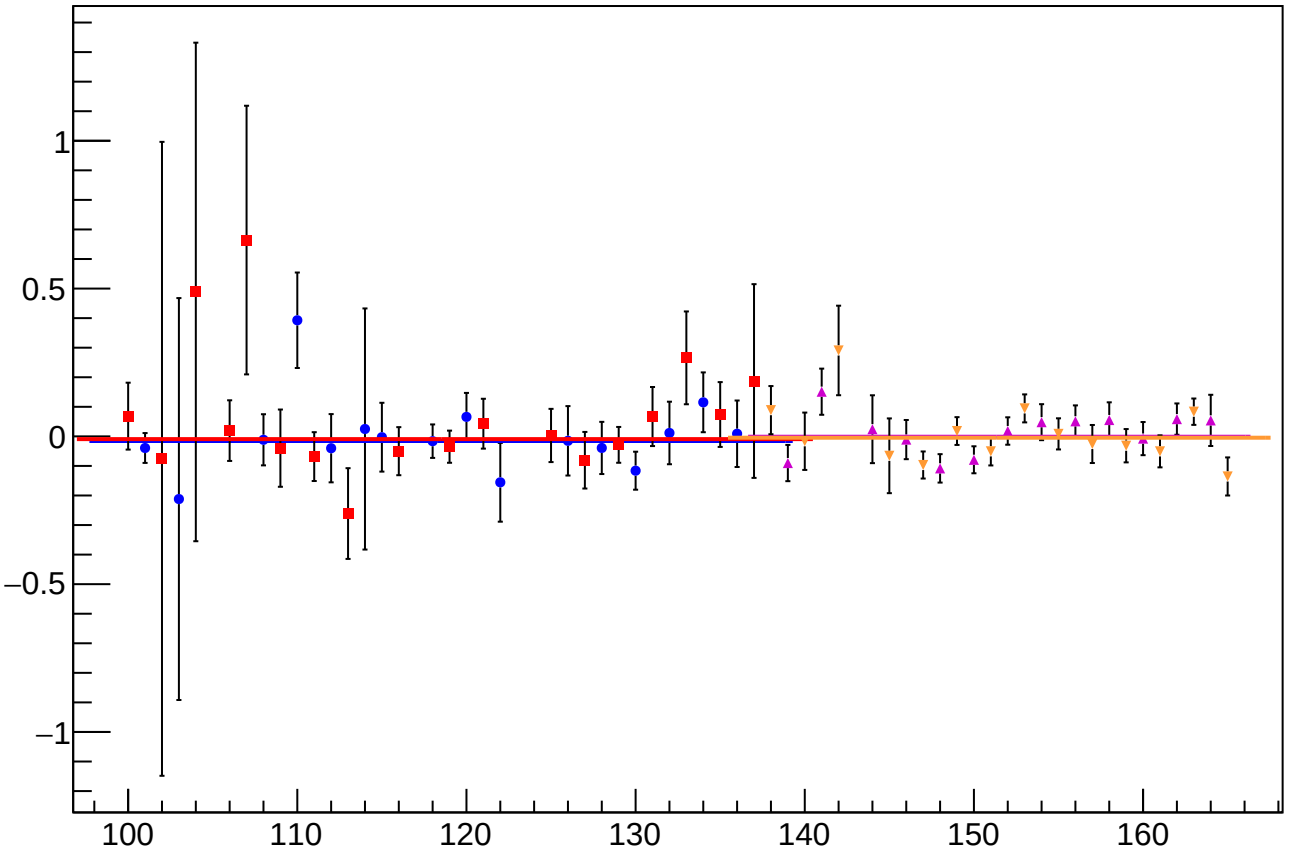
Left: 47.506+/-0.008 χ^2/NDF: 2402447.1/26

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.139+/-0.009 χ^2/NDF:3234995.5/28

Out: 47.420+/-0.009 χ^2/NDF:4525344.2/31

All: 48.755+/-0.007 χ^2/NDF: 7803727.5/60



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

Left: -0.003+/-0.011 χ^2/NDF: 42.4/26

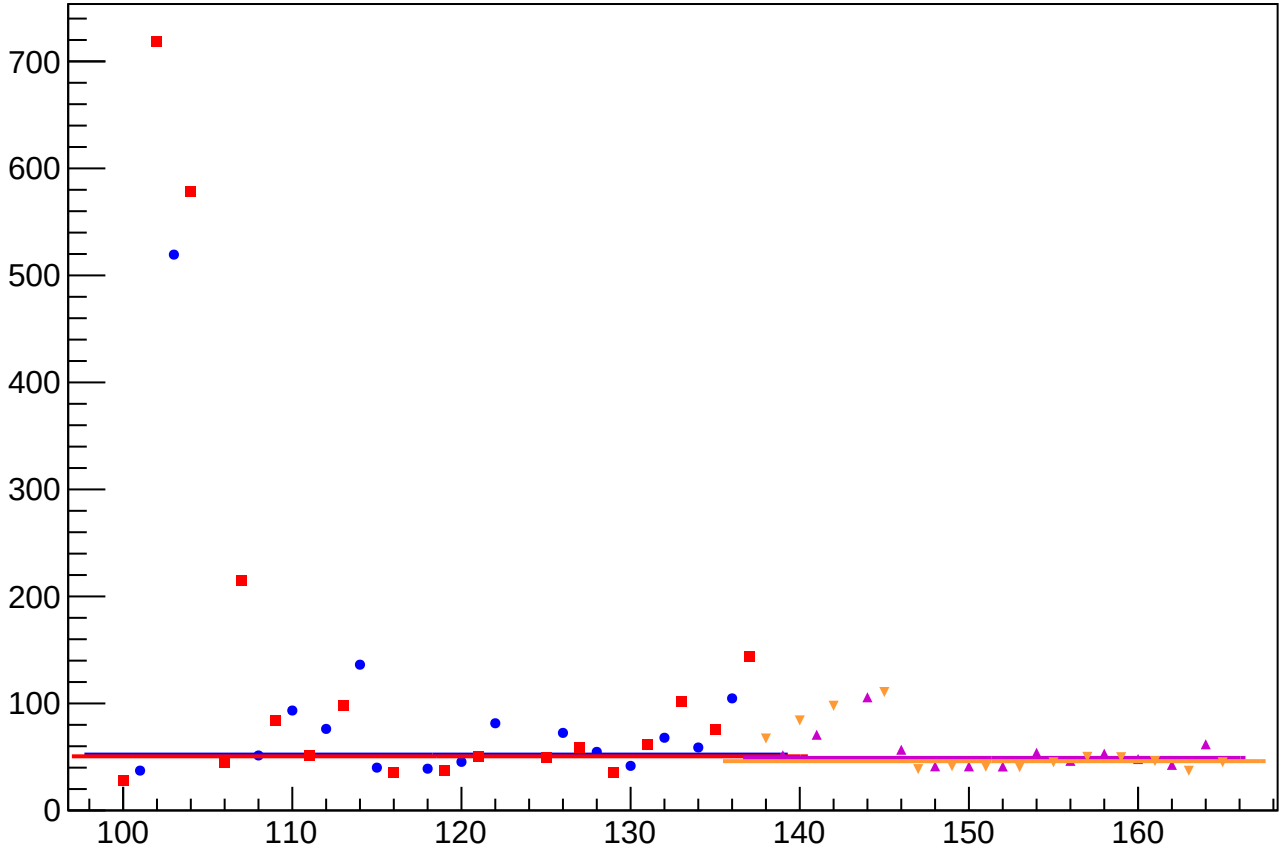
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.006+/-0.009 χ^2/NDF: 68.3/60

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: 46.061+/-0.011 χ^2/NDF:1422612.9/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

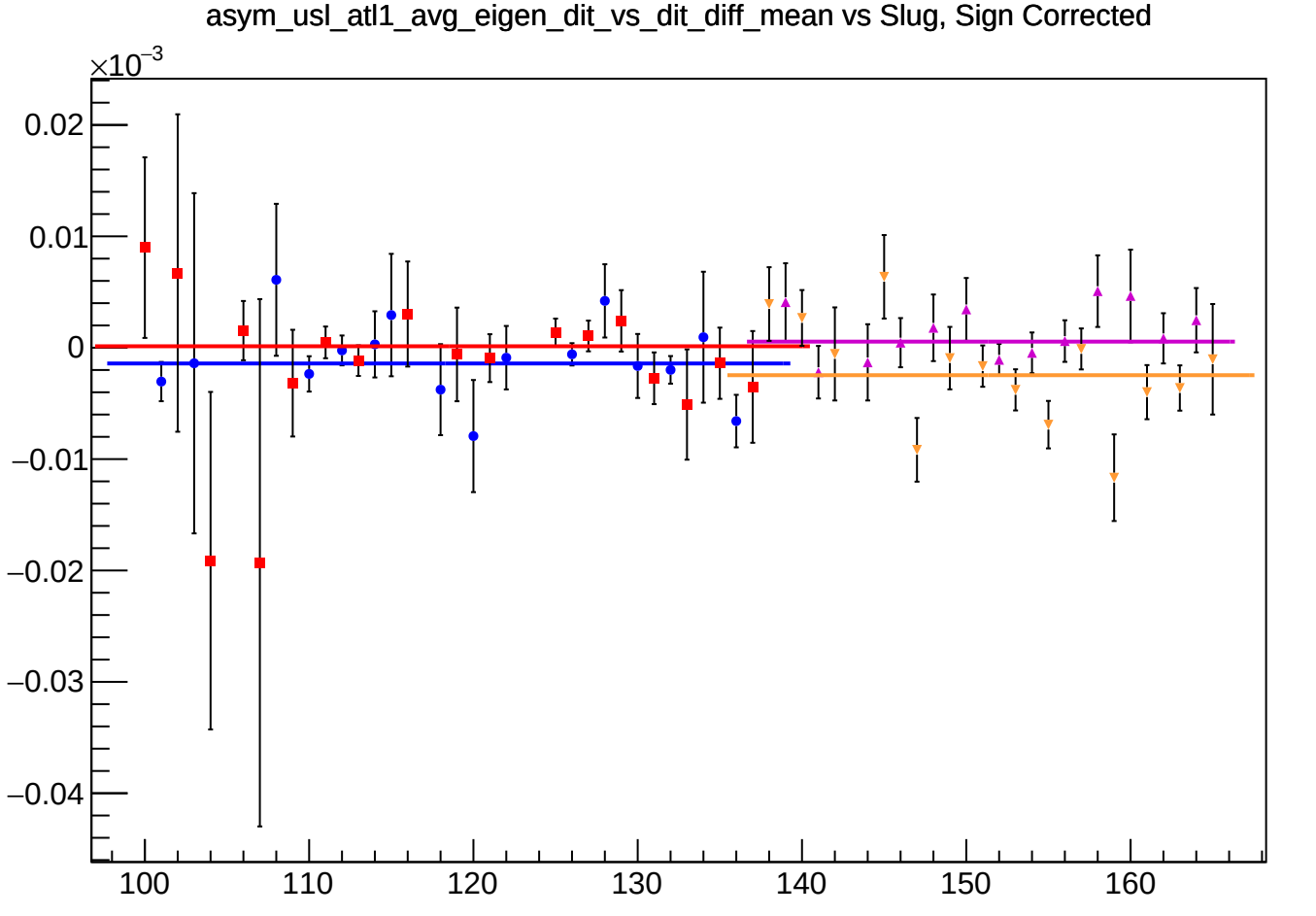
Left: 47.506+/-0.008 χ^2/NDF: 2402447.1/26

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

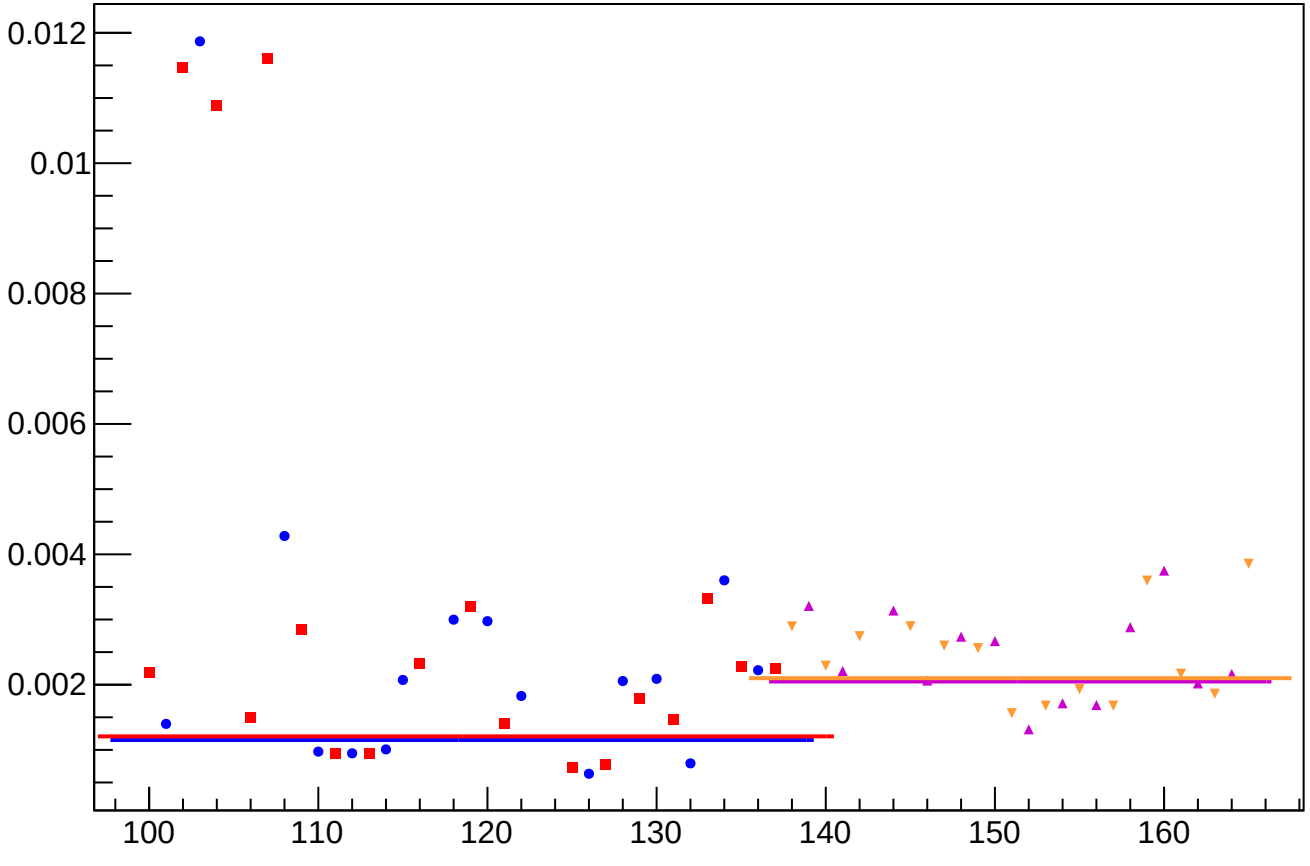
In: 50.139+/-0.009 χ^2/NDF:3234995.5/28

Out: 47.420+/-0.009 χ^2/NDF:4525344.2/31

All: 48.755+/-0.007 χ^2/NDF: 7803727.5/60


asym_usl_atl1_avg_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:32.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:8.9/12
Left: -0.000+/-0.000 χ²/NDF: 51.9/26
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:29.4/28
Out: -0.000+/-0.000 χ²/NDF:53.1/31
All: -0.000+/-0.000 χ²/NDF: 82.7/60

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1345407.5/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1775261.0/12

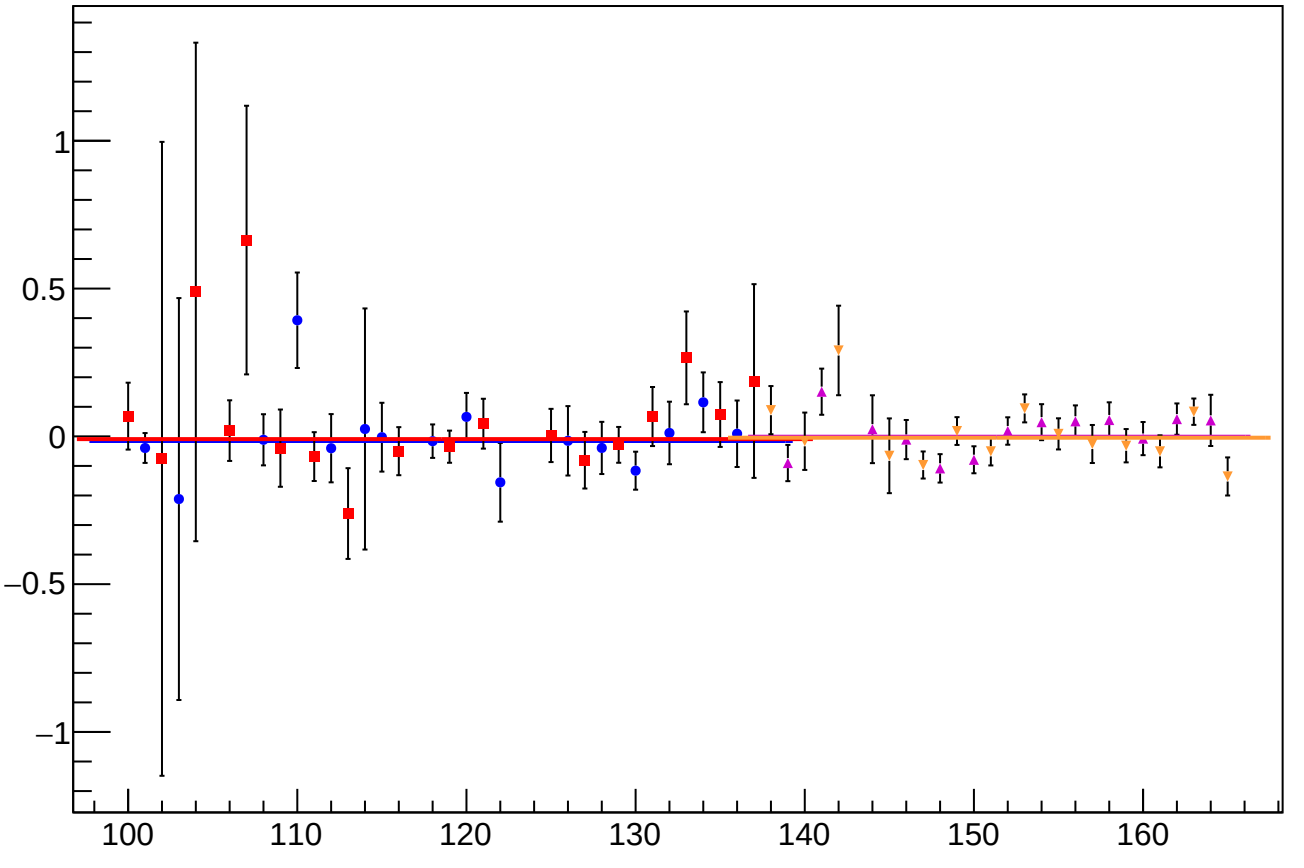
Left: 0.002+/-0.000 χ^2/NDF: 3126487.8/26

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8281999.3/28

Out: 0.002+/-0.000 χ^2/NDF:7976803.6/31

All: 0.002+/-0.000 χ^2/NDF: 16293077.7/60



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

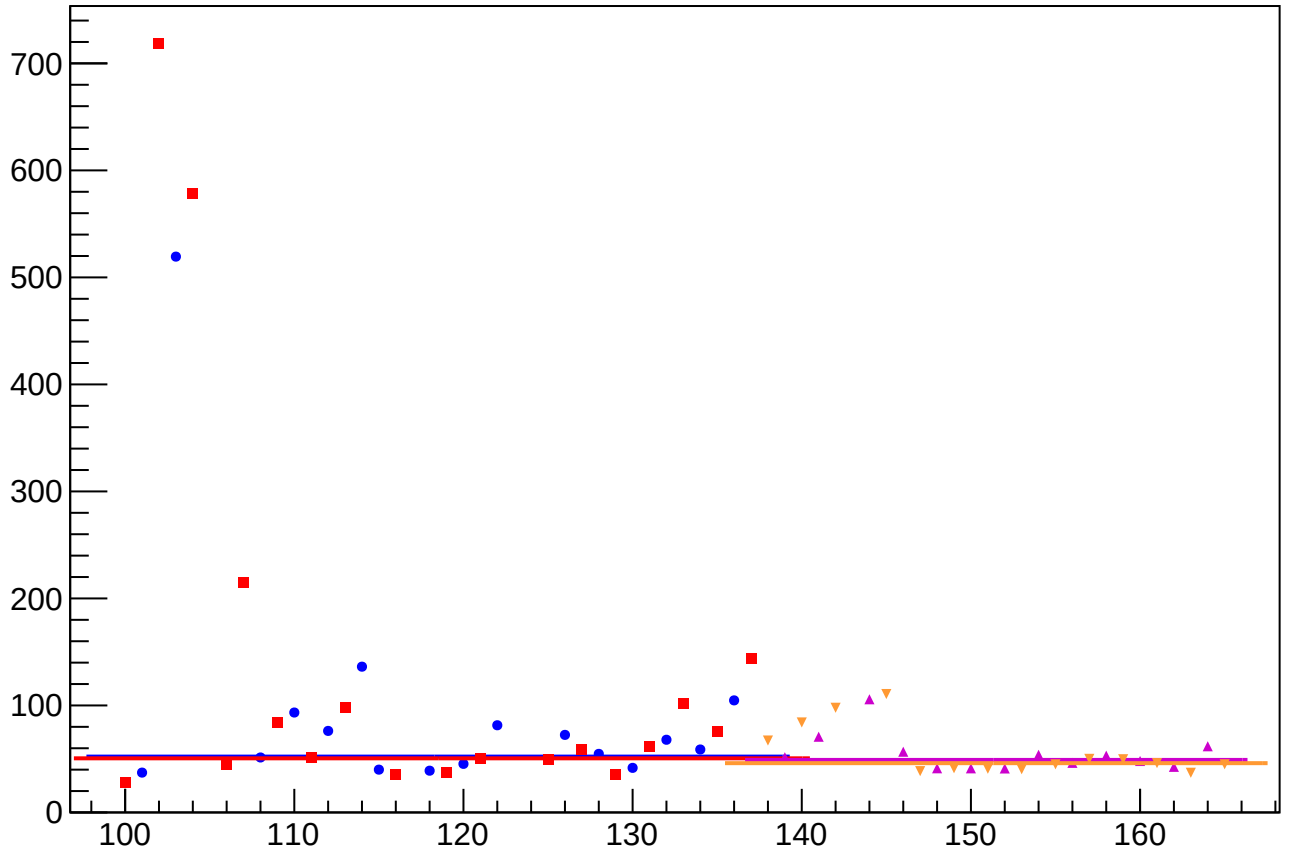
Left: -0.003+/-0.011 χ^2/NDF: 42.4/26

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.006+/-0.009 χ^2/NDF: 68.3/60



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422604.6/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

Left: 47.506+/-0.008 χ^2/NDF: 2402439.2/26

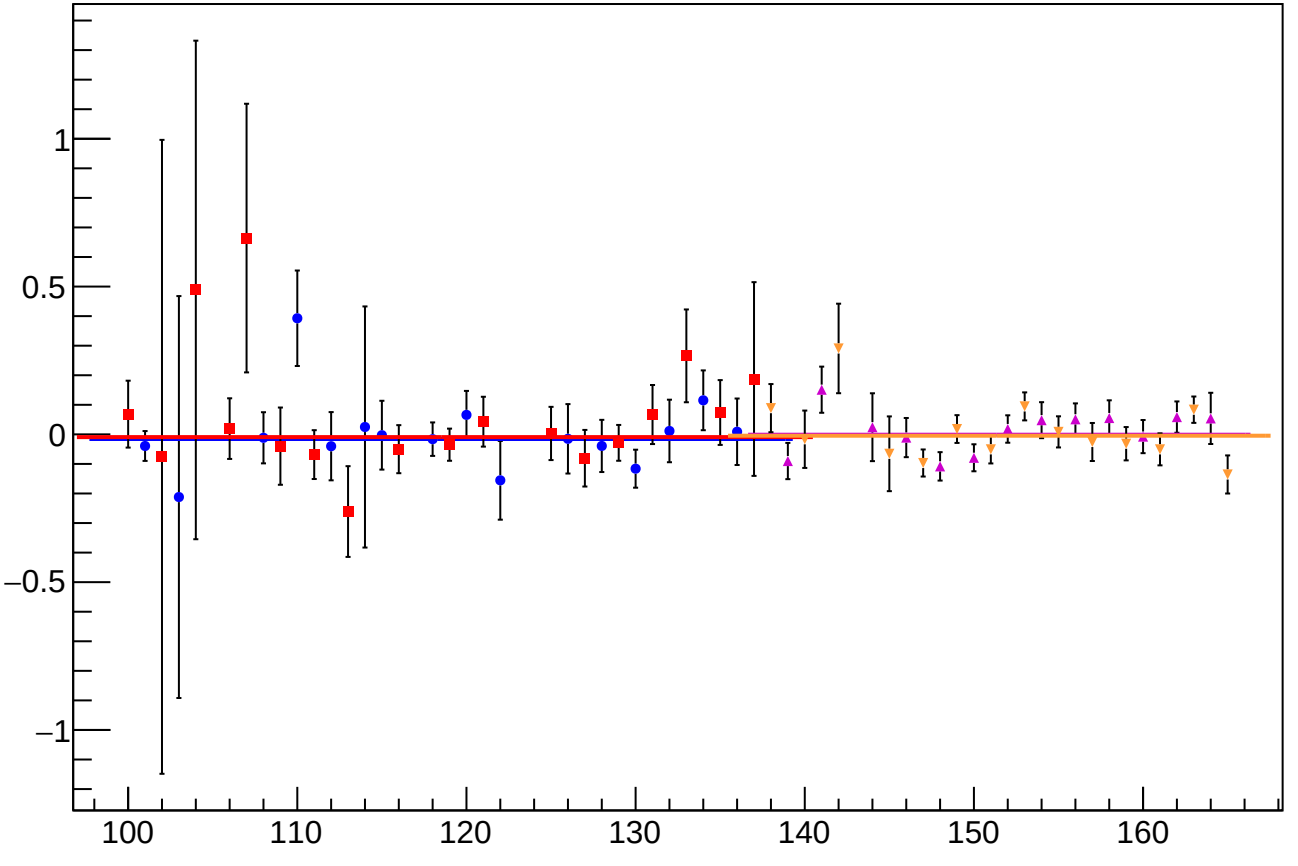
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.139+/-0.009 χ^2/NDF:3234991.4/28

Out: 47.420+/-0.009 χ^2/NDF:4525310.8/31

All: 48.755+/-0.007 χ^2/NDF: 7803687.1/60

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: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

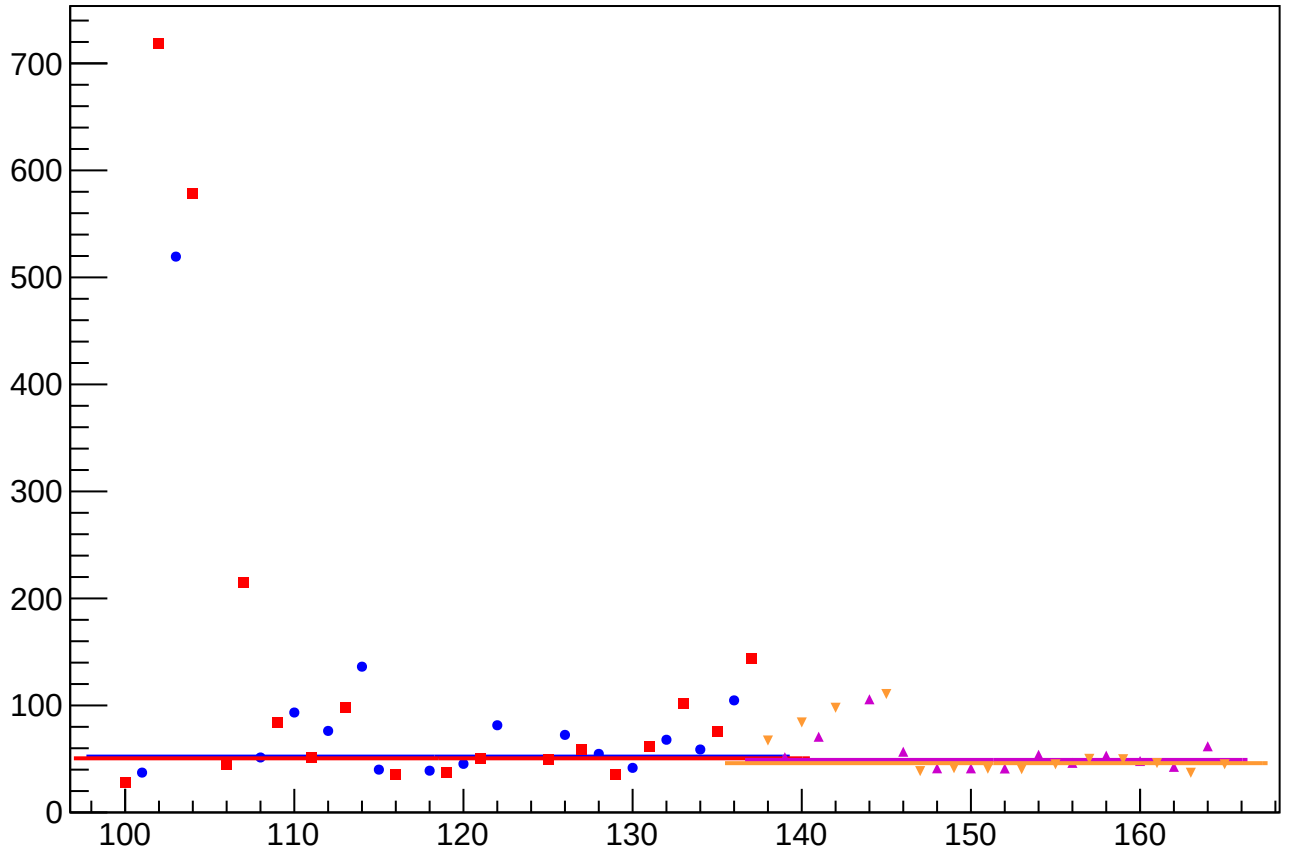
Left: -0.003+/-0.011 χ^2/NDF: 42.4/26

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.006+/-0.009 χ^2/NDF: 68.3/60



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422604.6/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

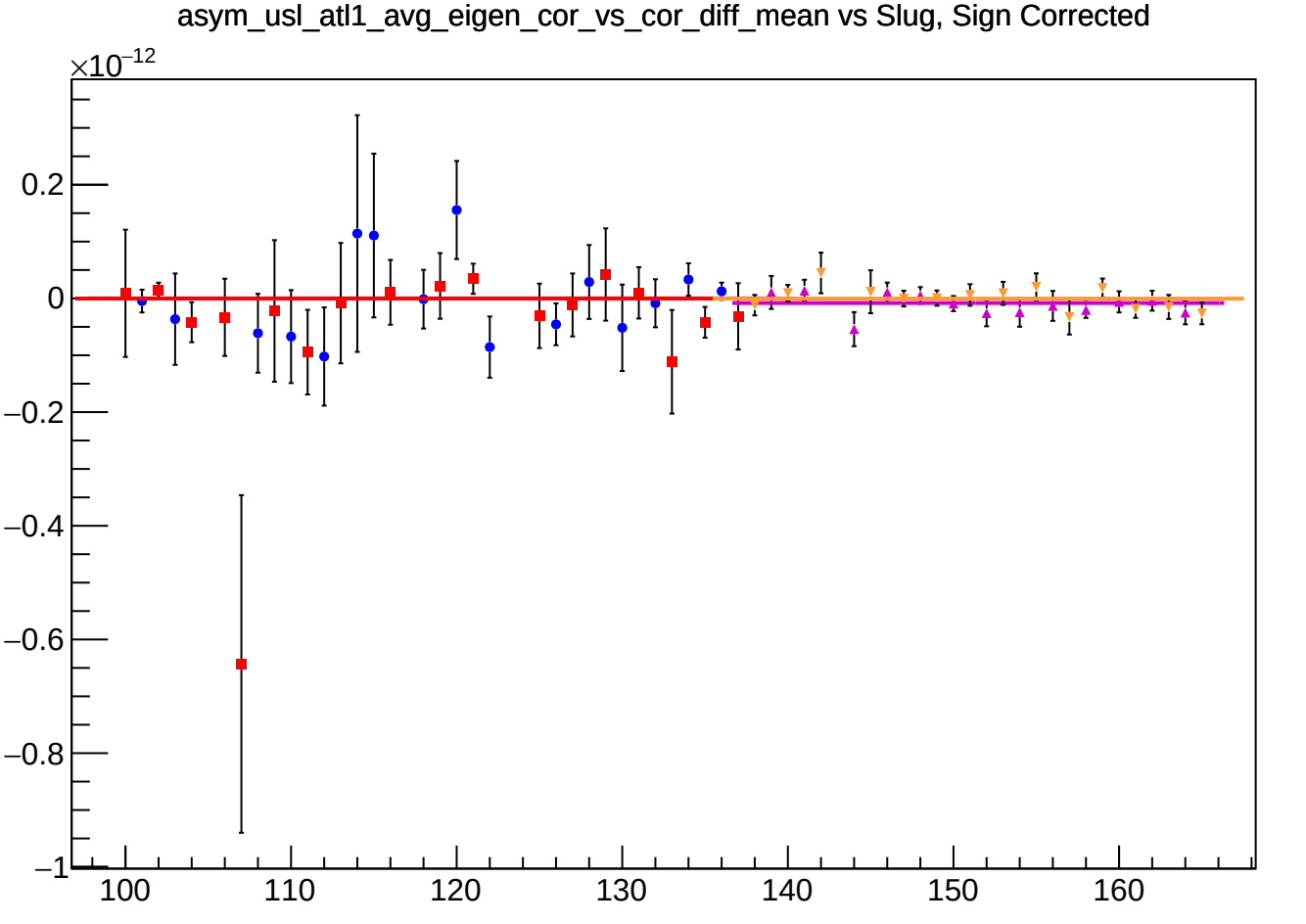
Left: 47.506+/-0.008 χ^2/NDF: 2402439.2/26

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.139+/-0.009 χ^2/NDF:3234991.4/28

Out: 47.420+/-0.009 χ^2/NDF:4525310.8/31

All: 48.755+/-0.007 χ^2/NDF: 7803687.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/12

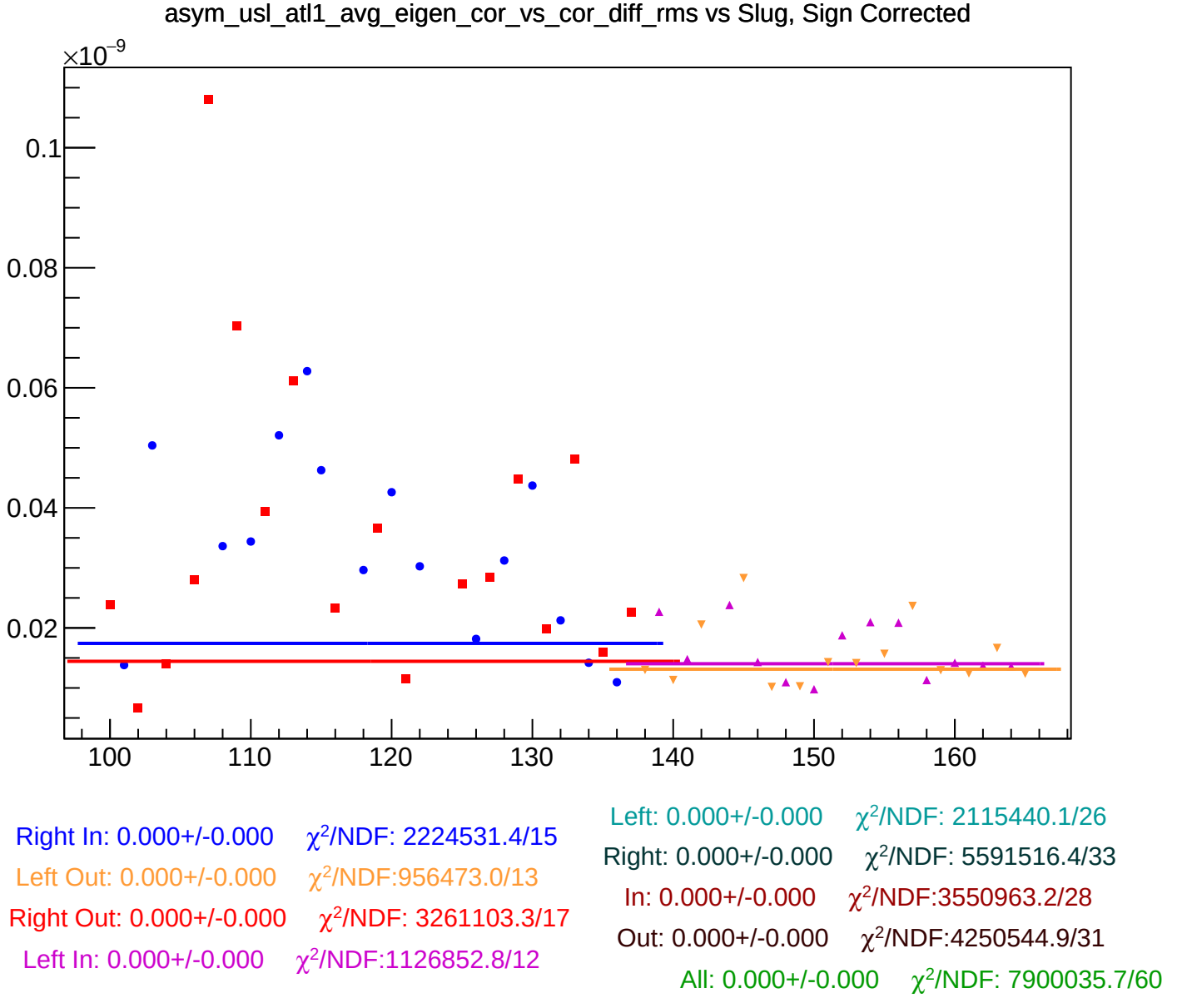
Left: -0.000+/-0.000 χ^2/NDF: 19.4/26

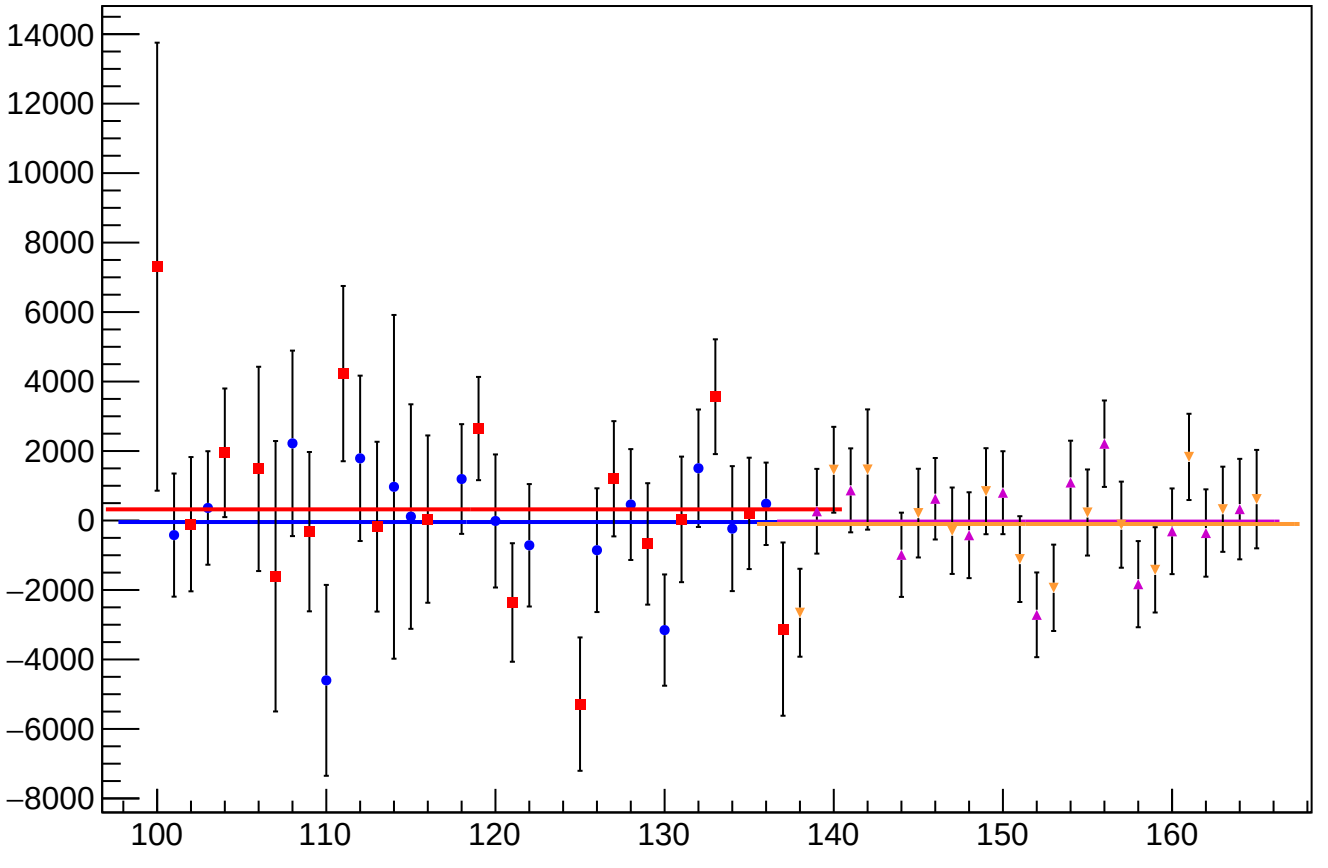
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:23.2/28

Out: -0.000+/-0.000 χ^2/NDF:25.6/31

All: -0.000+/-0.000 χ^2/NDF: 49.7/60


asym_usl_atl1_avg_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:956473.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1126852.8/12
Left: 0.000+/-0.000 χ²/NDF: 2115440.1/26
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3550963.2/28
Out: 0.000+/-0.000 χ²/NDF:4250544.9/31
All: 0.000+/-0.000 χ²/NDF: 7900035.7/60



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.256+/-340.864 χ^2/NDF:14.0/13

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -30.922+/-342.025 χ^2/NDF:13.4/12

Left: -65.707+/-241.436 χ^2/NDF: 27.4/26

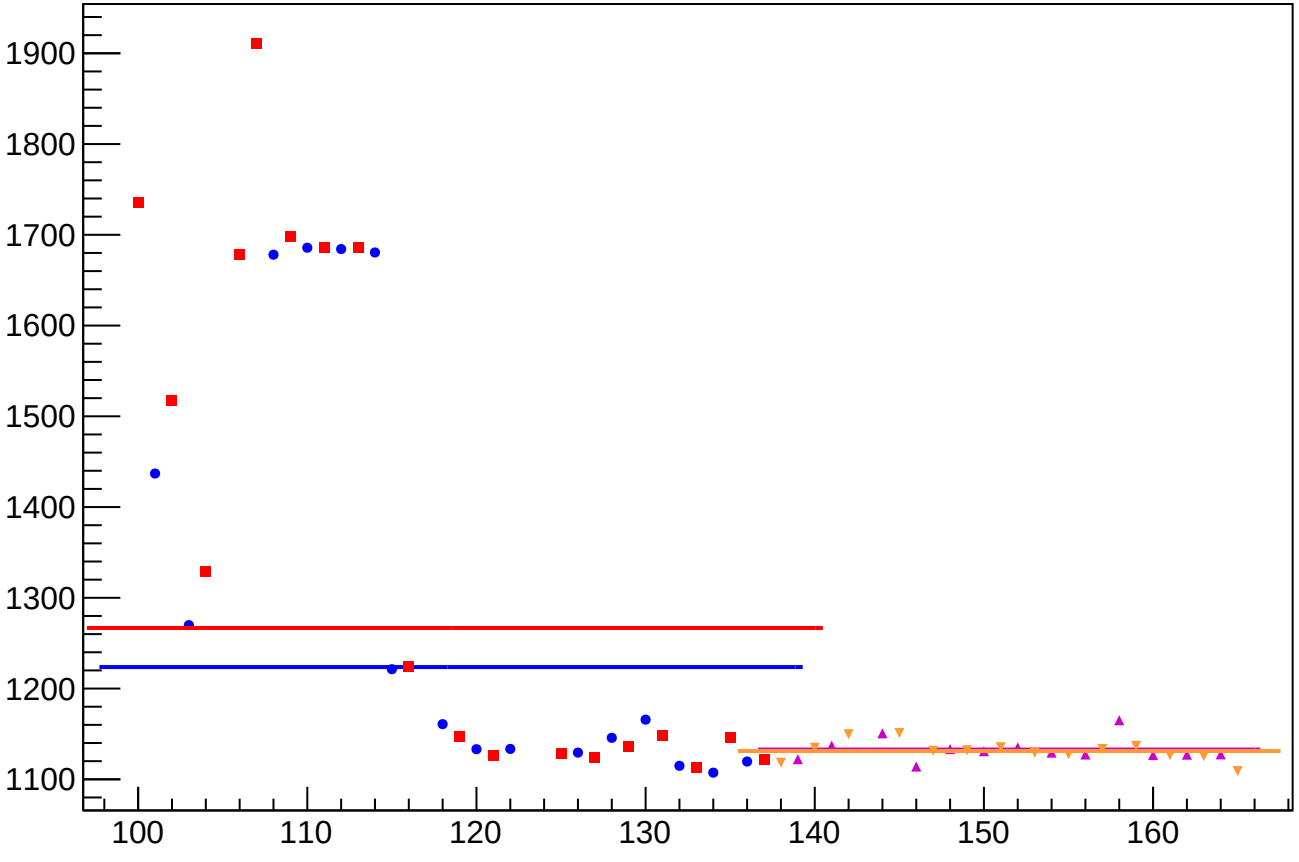
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -35.475+/-274.304 χ^2/NDF:23.5/28

Out: 43.051+/-276.924 χ^2/NDF:39.3/31

All: 3.415+/-194.882 χ^2/NDF: 62.9/60

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

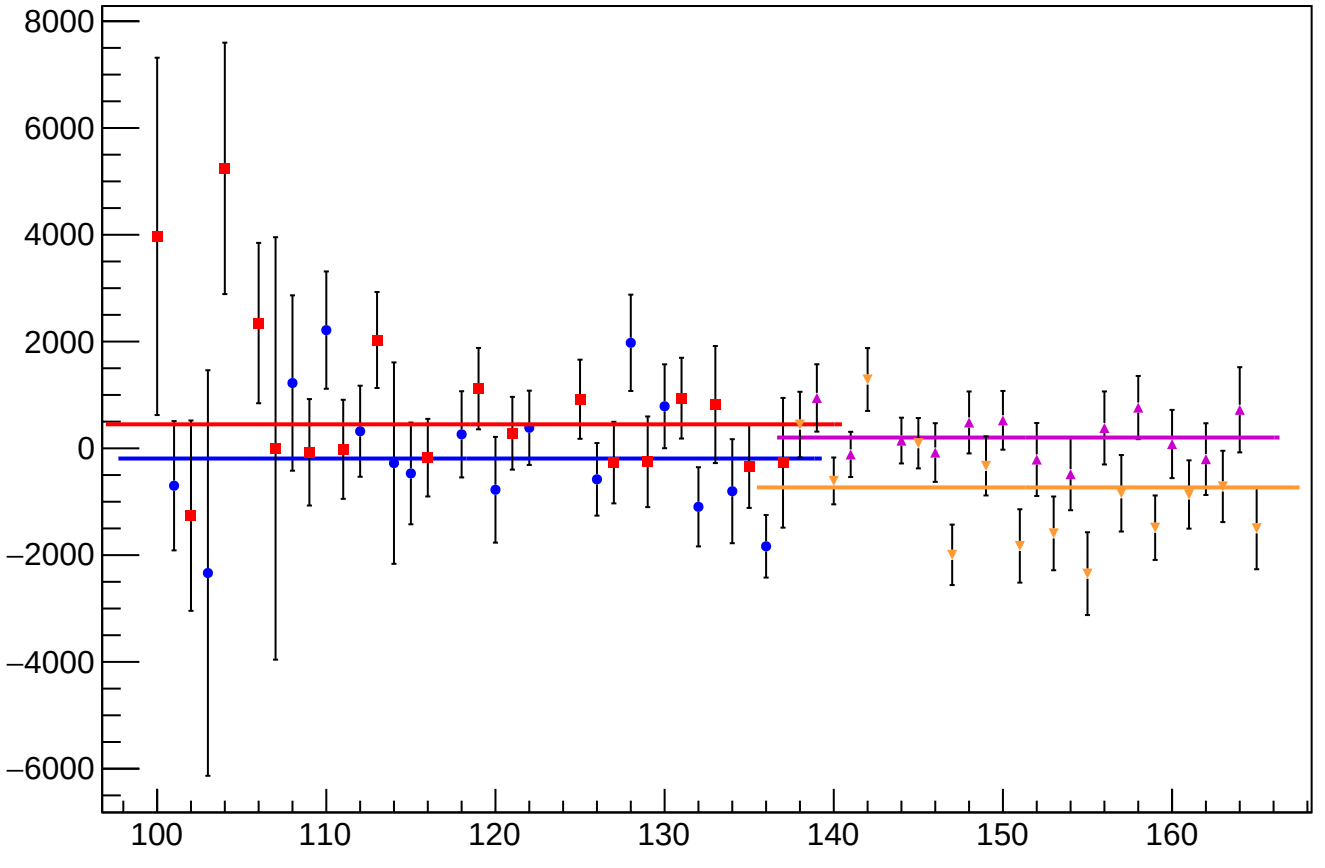
Left: 1131.982+/-0.171 χ^2/NDF: 4269.9/26

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1165.248+/-0.194 χ^2/NDF:348009.8/28

Out: 1177.259+/-0.196 χ^2/NDF:542089.3/31

All: 1171.197+/-0.138 χ^2/NDF: 891998.3/60



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -731.893+/-161.027 χ^2/NDF:35.2/13

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 202.298+/-160.793 χ^2/NDF:6.0/12

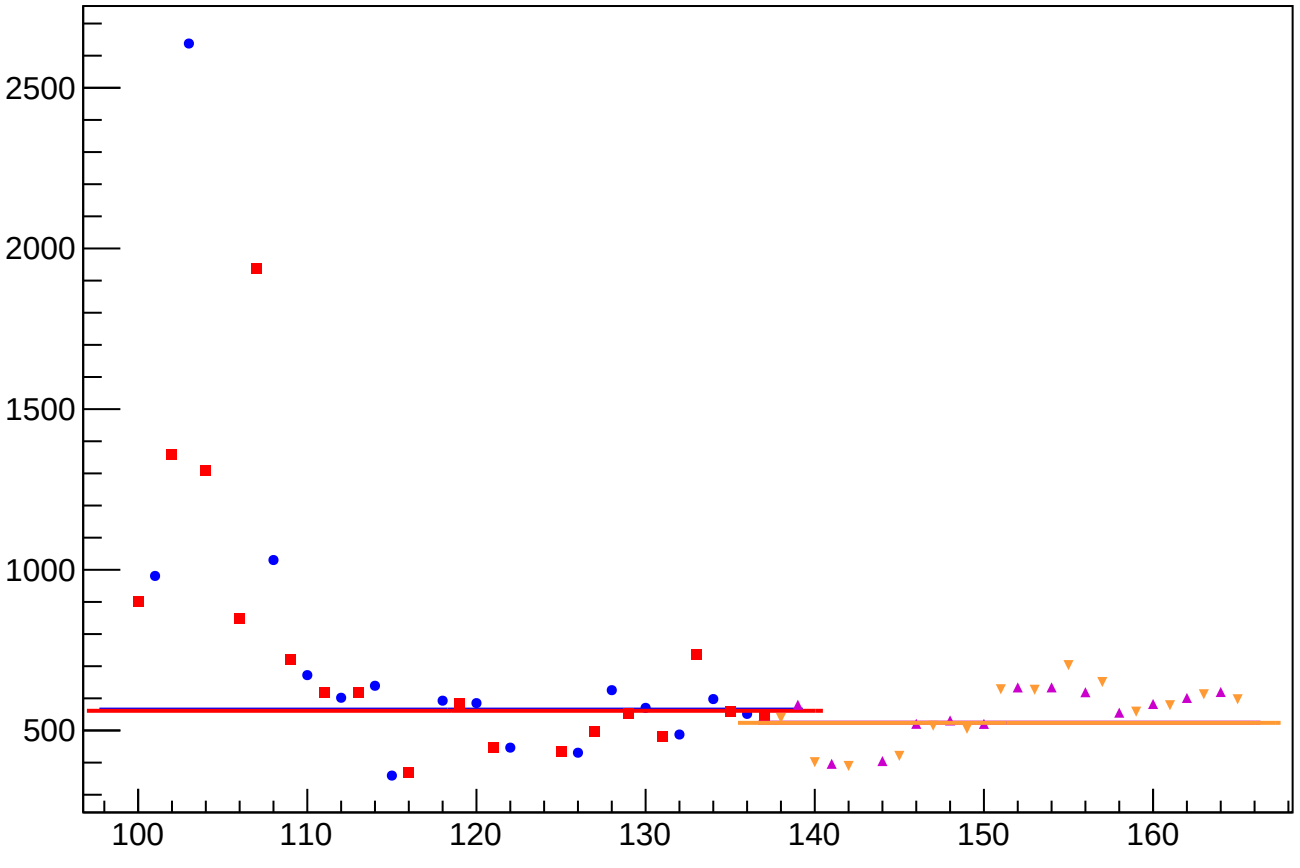
Left: -264.120+/-113.780 χ^2/NDF: 58.0/26

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 67.785+/-130.398 χ^2/NDF:33.3/28

Out: -327.373+/-130.590 χ^2/NDF:70.4/31

All: -129.504+/-92.273 χ^2/NDF: 108.3/60



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 523.746+/-0.114 χ^2/NDF:694777.3/13

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 524.337+/-0.114 χ^2/NDF:573837.1/12

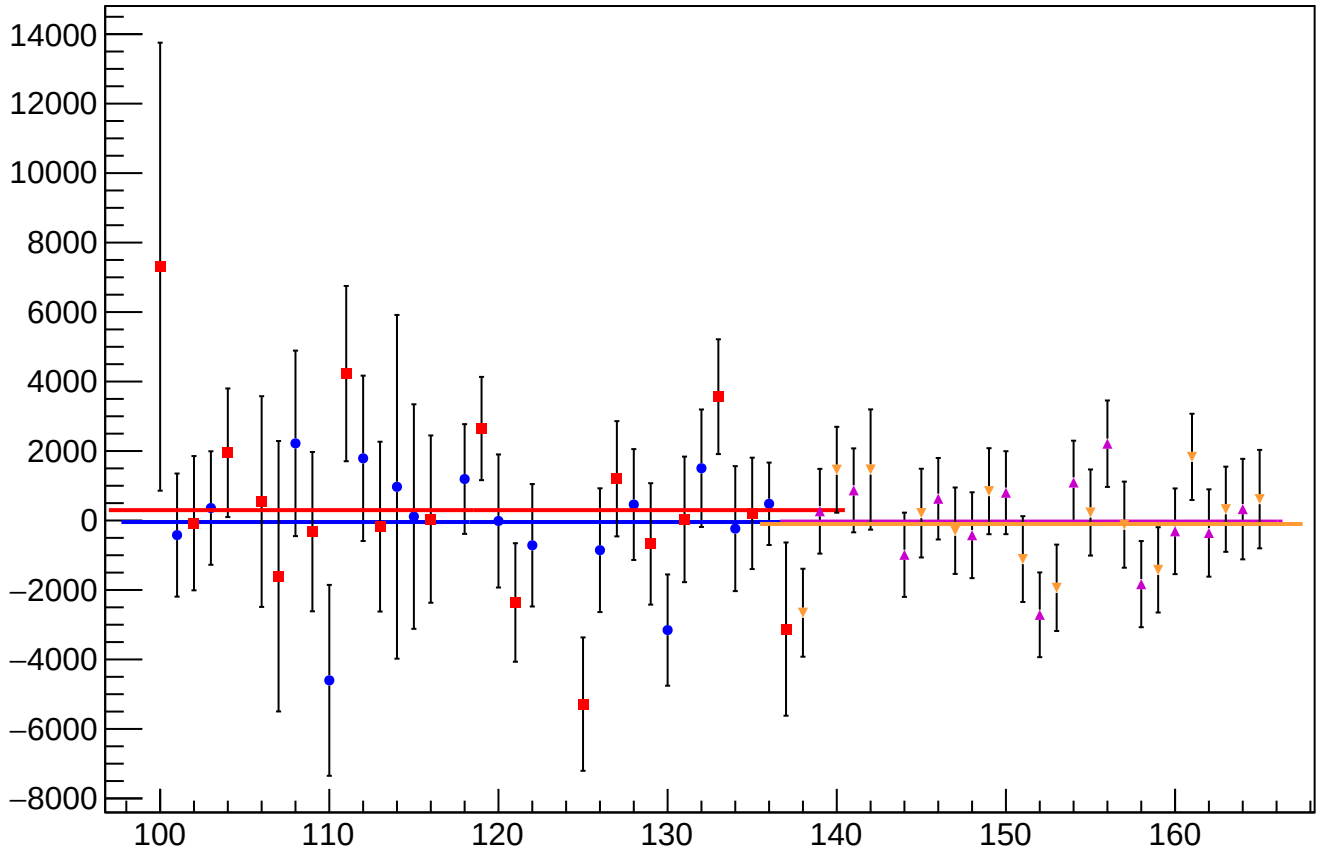
Left: 524.042+/-0.080 χ^2/NDF: 1268627.9/26

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 538.243+/-0.092 χ^2/NDF:1902014.0/28

Out: 536.582+/-0.092 χ^2/NDF:2084140.8/31

All: 537.413+/-0.065 χ^2/NDF: 3986316.8/60



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.202+/-340.864 χ^2/NDF:14.0/13

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -30.937+/-342.025 χ^2/NDF:13.4/12

Left: -65.687+/-241.436 χ^2/NDF: 27.4/26

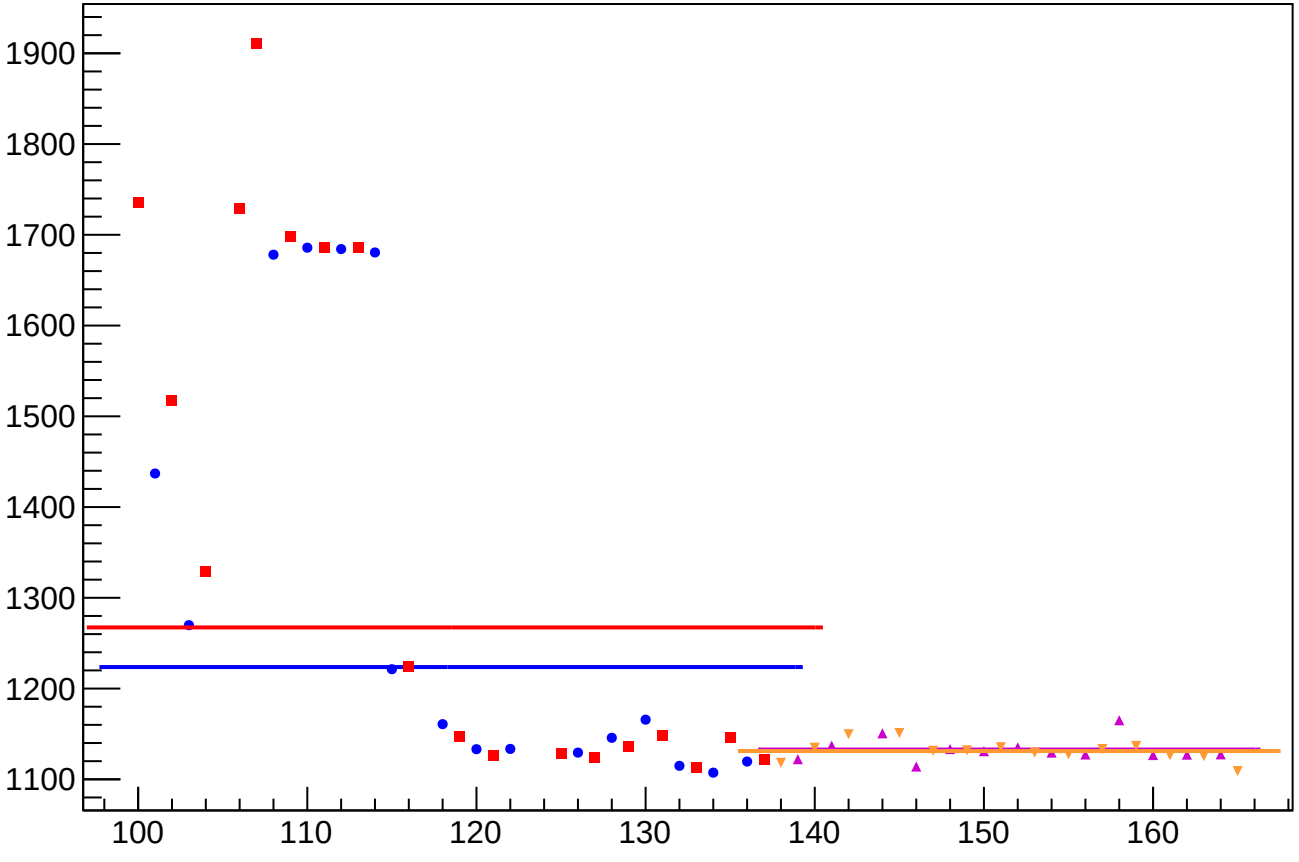
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -35.570+/-274.304 χ^2/NDF:23.5/28

Out: 35.105+/-276.999 χ^2/NDF:39.1/31

All: -0.578+/-194.908 χ^2/NDF: 62.6/60

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

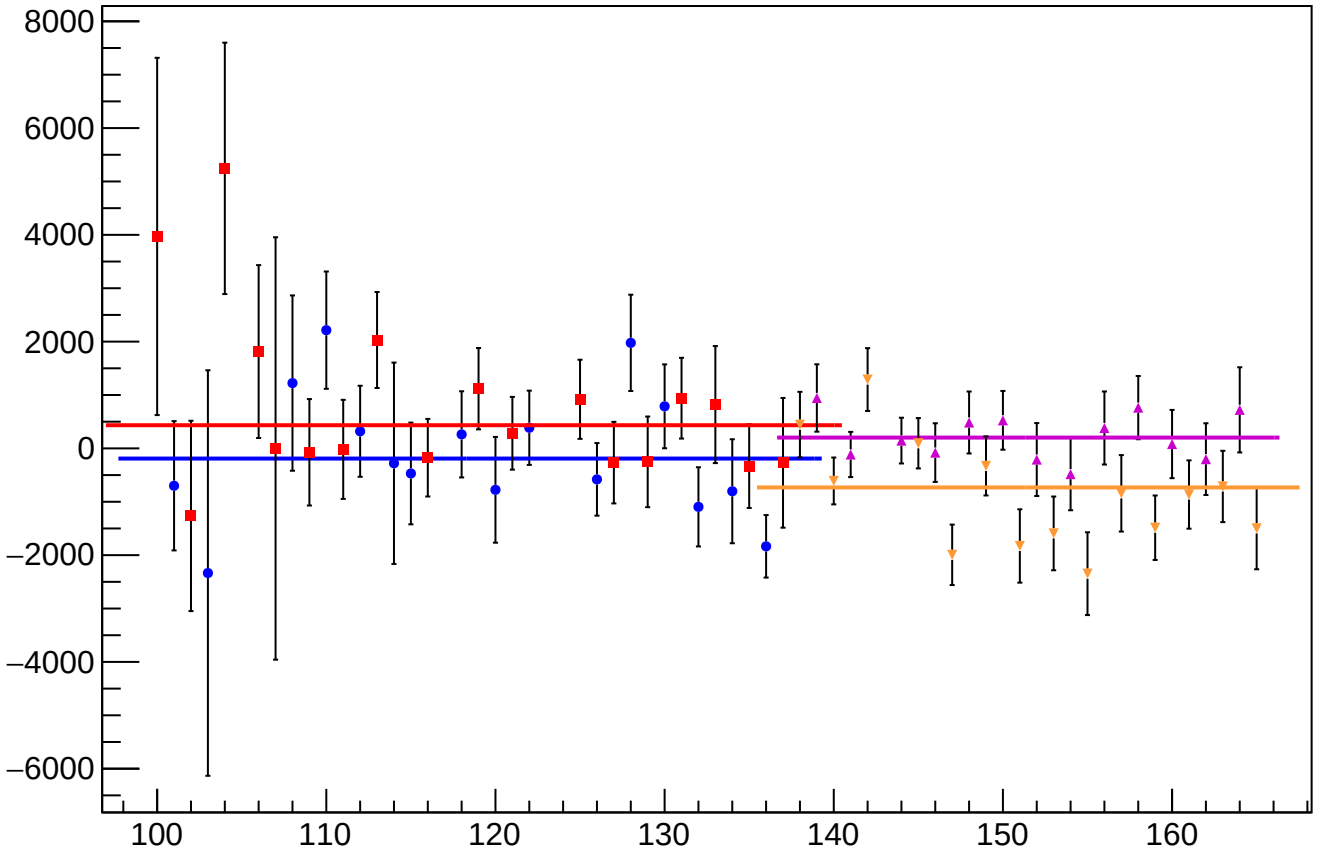
Left: 1131.982+/-0.171 χ^2/NDF: 4269.9/26

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1165.248+/-0.194 χ^2/NDF:348009.9/28

Out: 1177.409+/-0.196 χ^2/NDF:550041.2/31

All: 1171.269+/-0.138 χ^2/NDF: 899997.5/60



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -731.900+/-161.026 χ^2/NDF:35.2/13

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 202.309+/-160.793 χ^2/NDF:6.0/12

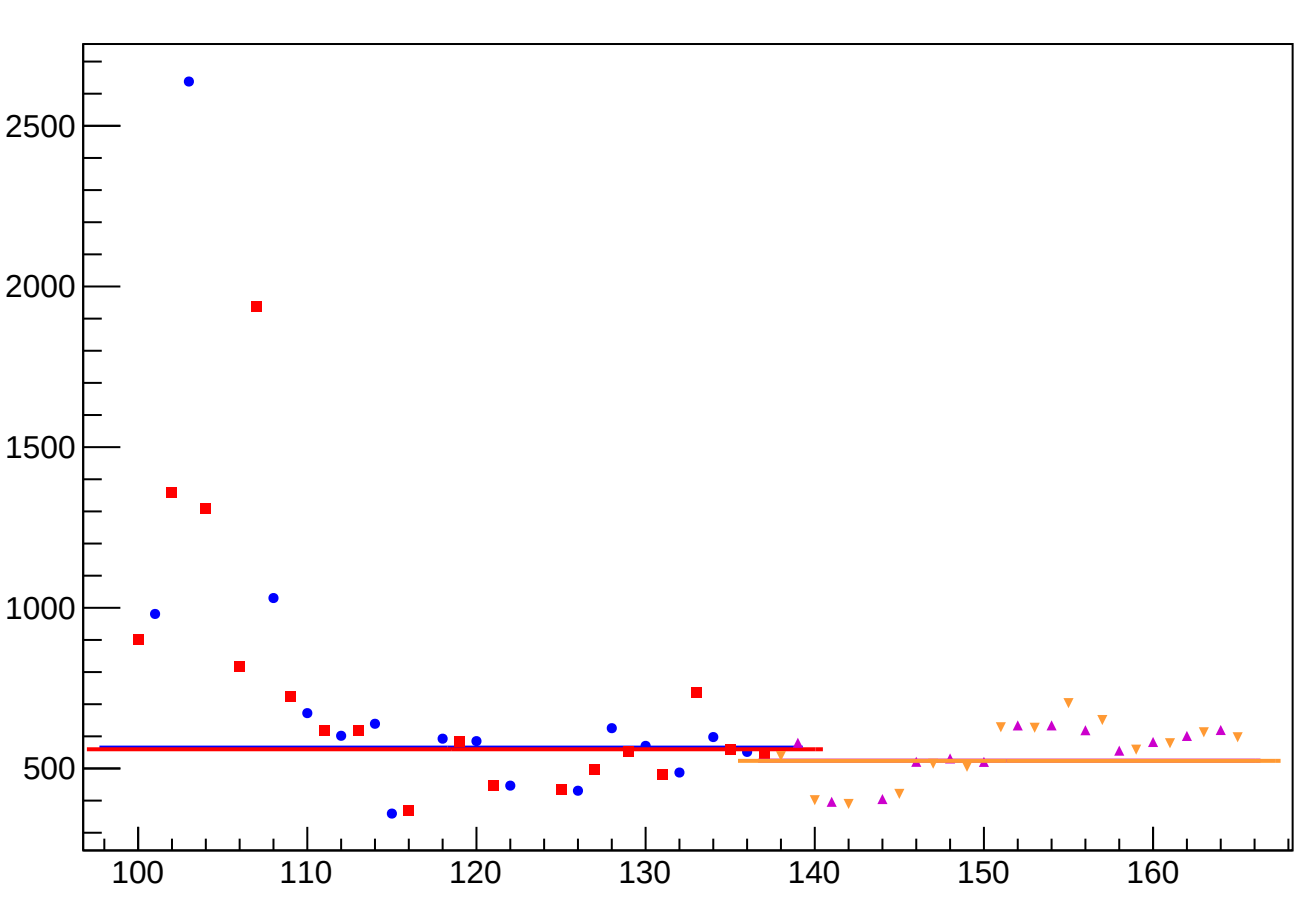
Left: -264.120+/-113.780 χ^2/NDF: 58.0/26

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 67.788+/-130.398 χ^2/NDF:33.3/28

Out: -333.654+/-130.658 χ^2/NDF:69.0/31

All: -132.533+/-92.297 χ^2/NDF: 107.0/60



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 523.744+/-0.114 χ^2/NDF:694756.4/13

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

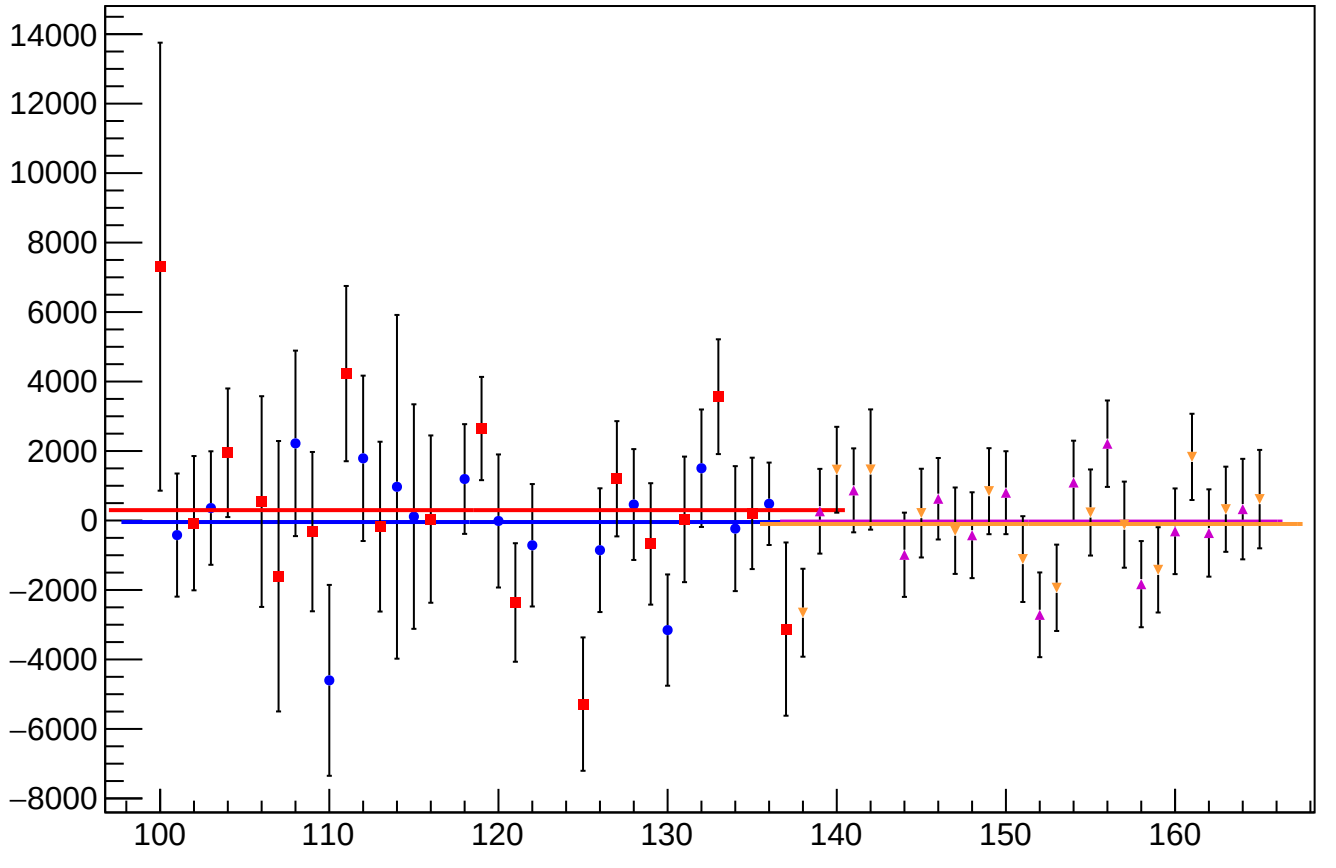
Left: 524.041+/-0.080 χ^2/NDF: 1268567.8/26

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.242+/-0.092 χ^2/NDF:1901940.2/28

Out: 536.047+/-0.092 χ^2/NDF:2058288.3/31

All: 537.147+/-0.065 χ^2/NDF: 3960511.4/60



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.202+/-340.864 χ^2/NDF:14.0/13

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -30.937+/-342.025 χ^2/NDF:13.4/12

Left: -65.687+/-241.436 χ^2/NDF: 27.4/26

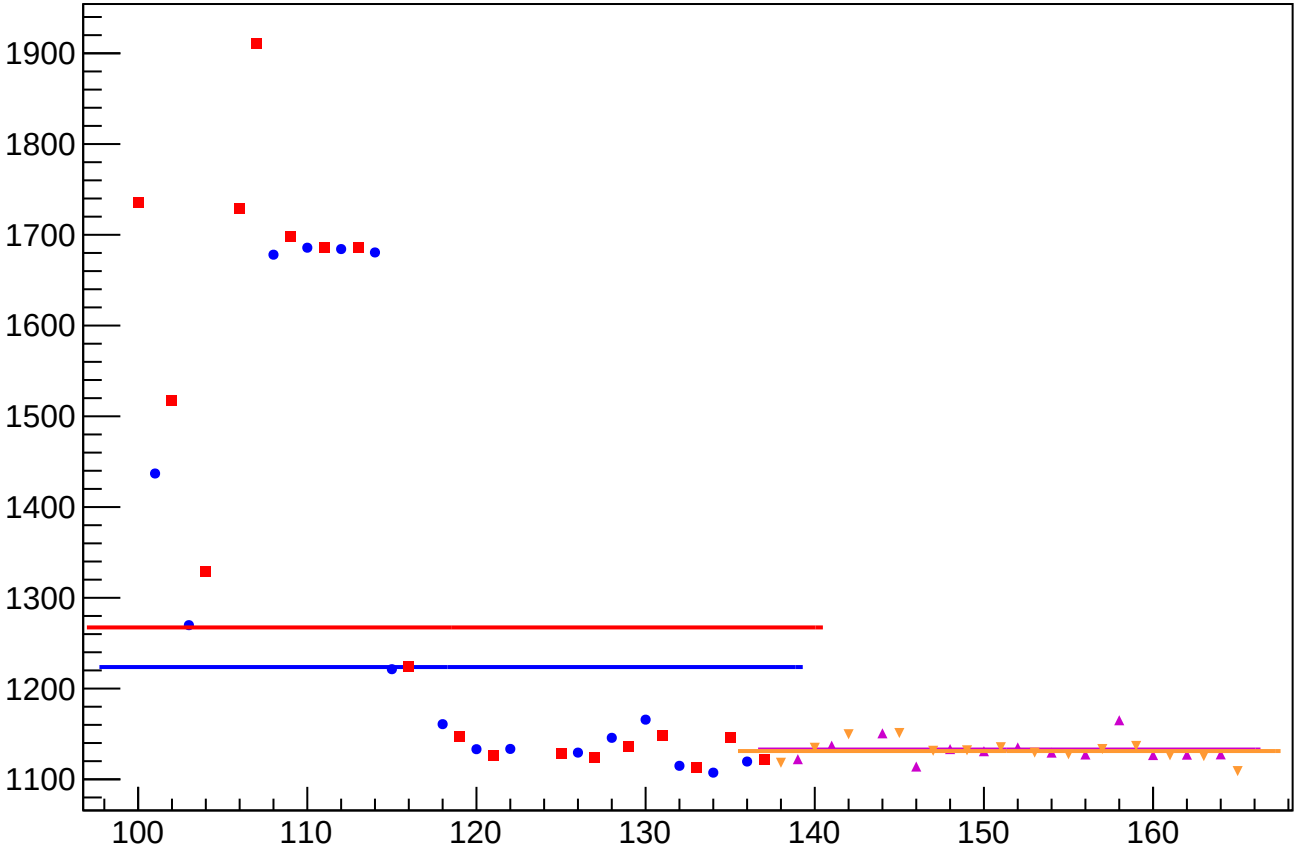
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -35.570+/-274.304 χ^2/NDF:23.5/28

Out: 35.105+/-276.999 χ^2/NDF:39.1/31

All: -0.578+/-194.908 χ^2/NDF: 62.6/60

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: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

Left: 1131.982+/-0.171 χ^2/NDF: 4269.9/26

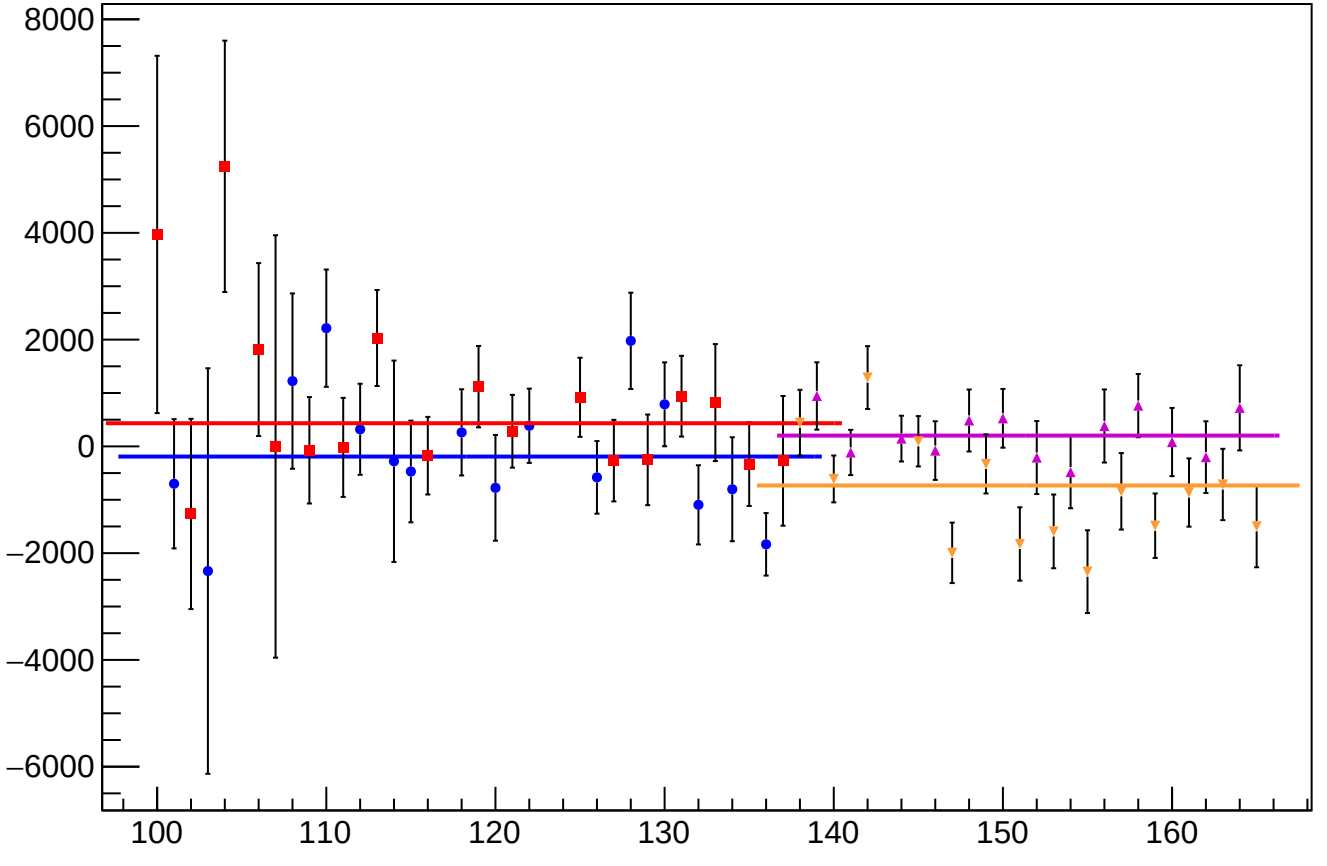
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1165.248+/-0.194 χ^2/NDF:348009.9/28

Out: 1177.409+/-0.196 χ^2/NDF:550041.2/31

All: 1171.269+/-0.138 χ^2/NDF: 899997.5/60

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: -731.900+/-161.026 χ^2/NDF:35.2/13

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 202.309+/-160.793 χ^2/NDF:6.0/12

Left: -264.120+/-113.780 χ^2/NDF: 58.0/26

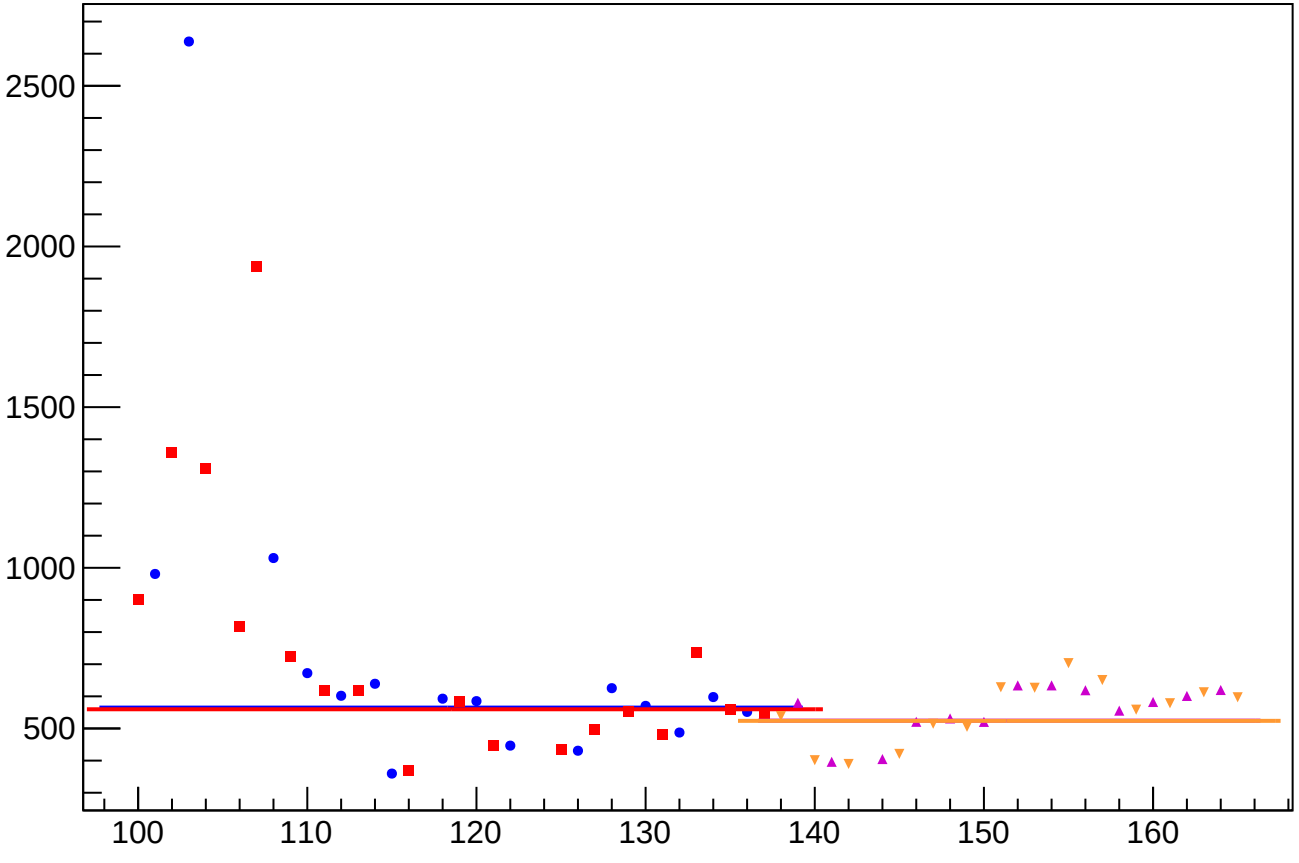
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 67.788+/-130.398 χ^2/NDF:33.3/28

Out: -333.654+/-130.658 χ^2/NDF:69.0/31

All: -132.533+/-92.297 χ^2/NDF: 107.0/60

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 523.744+/-0.114 χ^2/NDF:694756.4/13

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

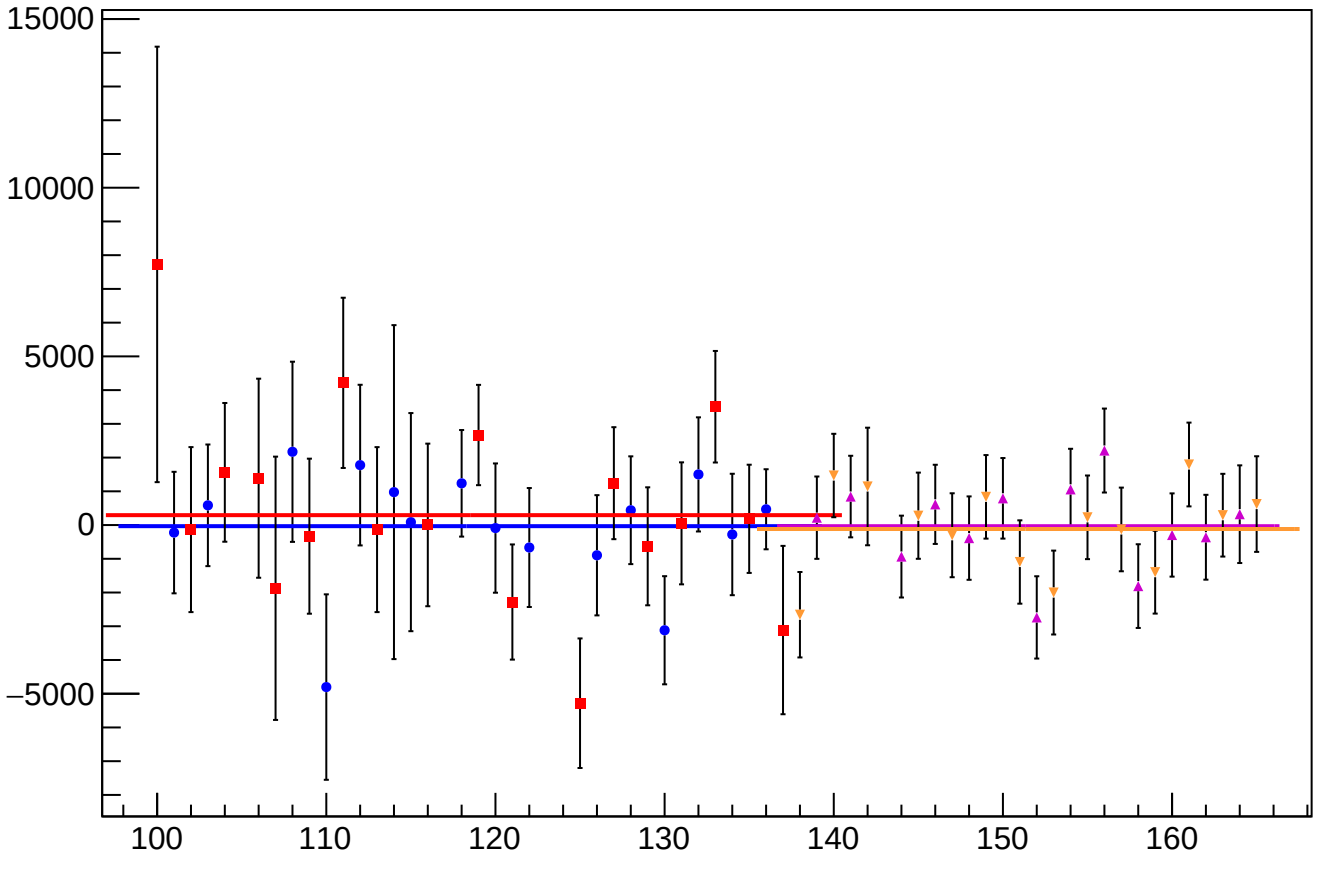
Left: 524.041+/-0.080 χ^2/NDF: 1268567.8/26

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.242+/-0.092 χ^2/NDF:1901940.2/28

Out: 536.047+/-0.092 χ^2/NDF:2058288.3/31

All: 537.147+/-0.065 χ^2/NDF: 3960511.4/60



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -117.119+/-341.090 χ^2/NDF:13.7/13

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -33.956+/-342.161 χ^2/NDF:13.2/12

Left: -75.668+/-241.565 χ^2/NDF: 27.0/26

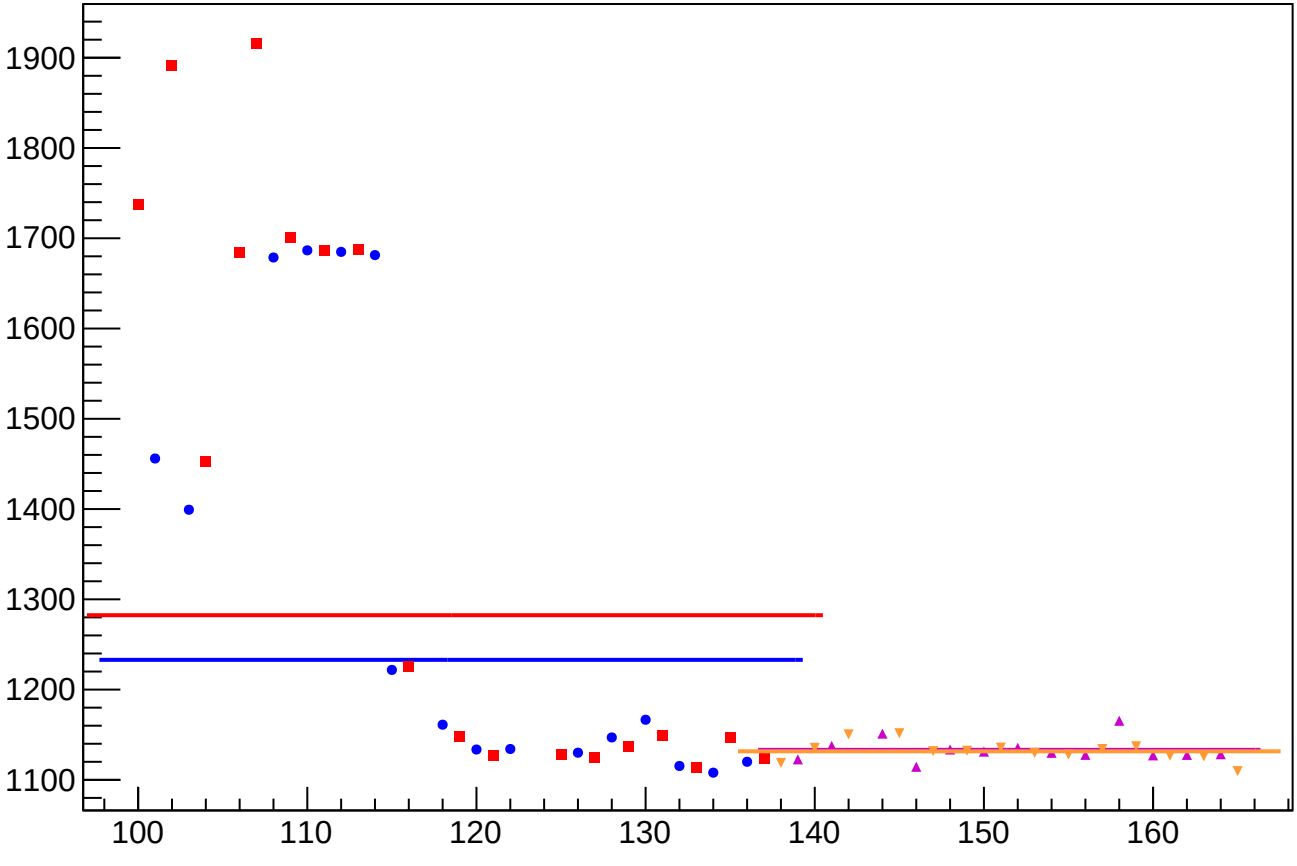
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -33.641+/-275.219 χ^2/NDF:23.5/28

Out: 19.163+/-278.780 χ^2/NDF:38.5/31

All: -7.578+/-195.856 χ^2/NDF: 61.9/60

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1131.615+/-0.241 χ^2/NDF:1592.5/13

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

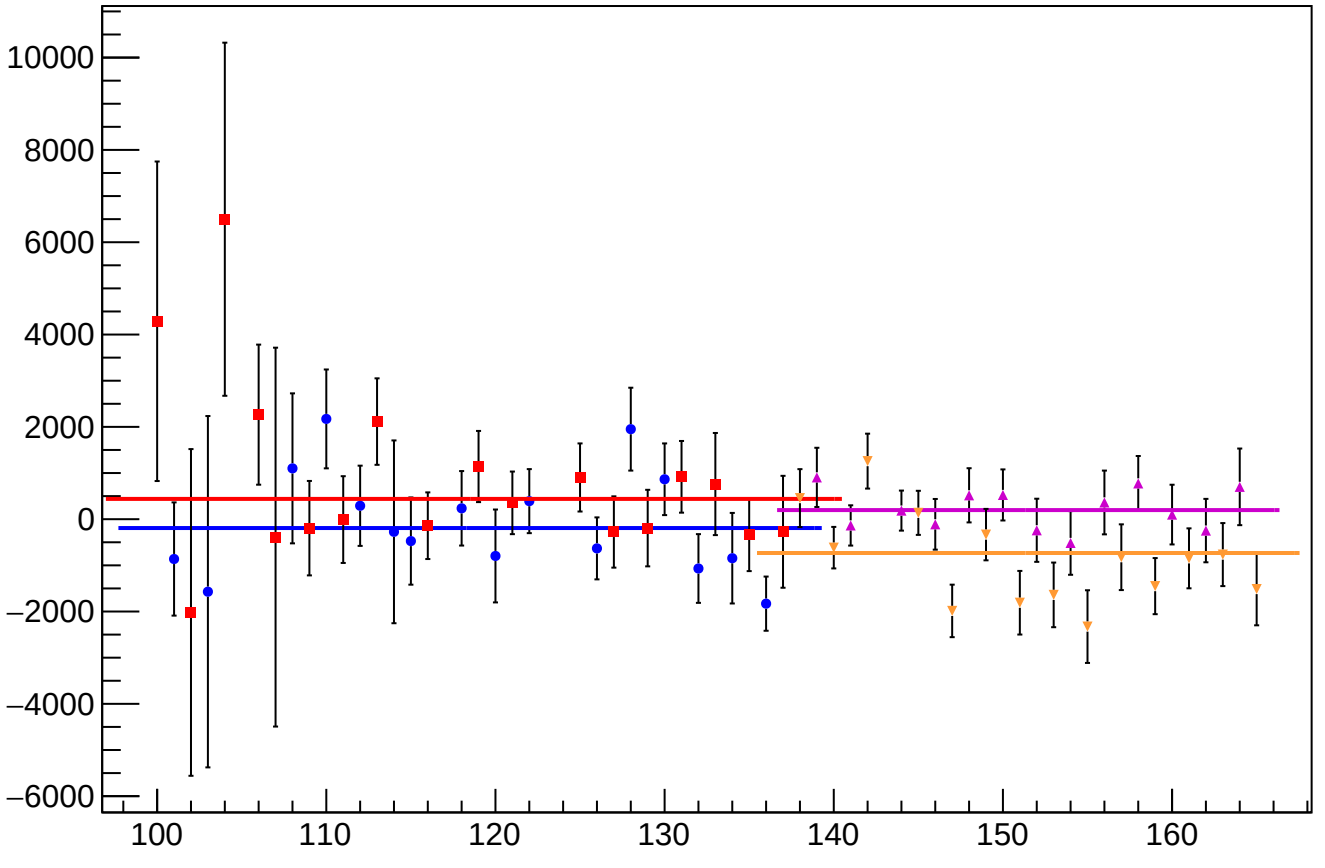
Left: 1132.441+/-0.171 χ^2/NDF: 4266.7/26

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1168.465+/-0.195 χ^2/NDF:378057.5/28

Out: 1181.676+/-0.197 χ^2/NDF:674766.0/31

All: 1174.985+/-0.138 χ^2/NDF: 1055098.2/60



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -732.139+/-163.116 χ^2/NDF:34.2/13

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 197.450+/-163.034 χ^2/NDF:6.1/12

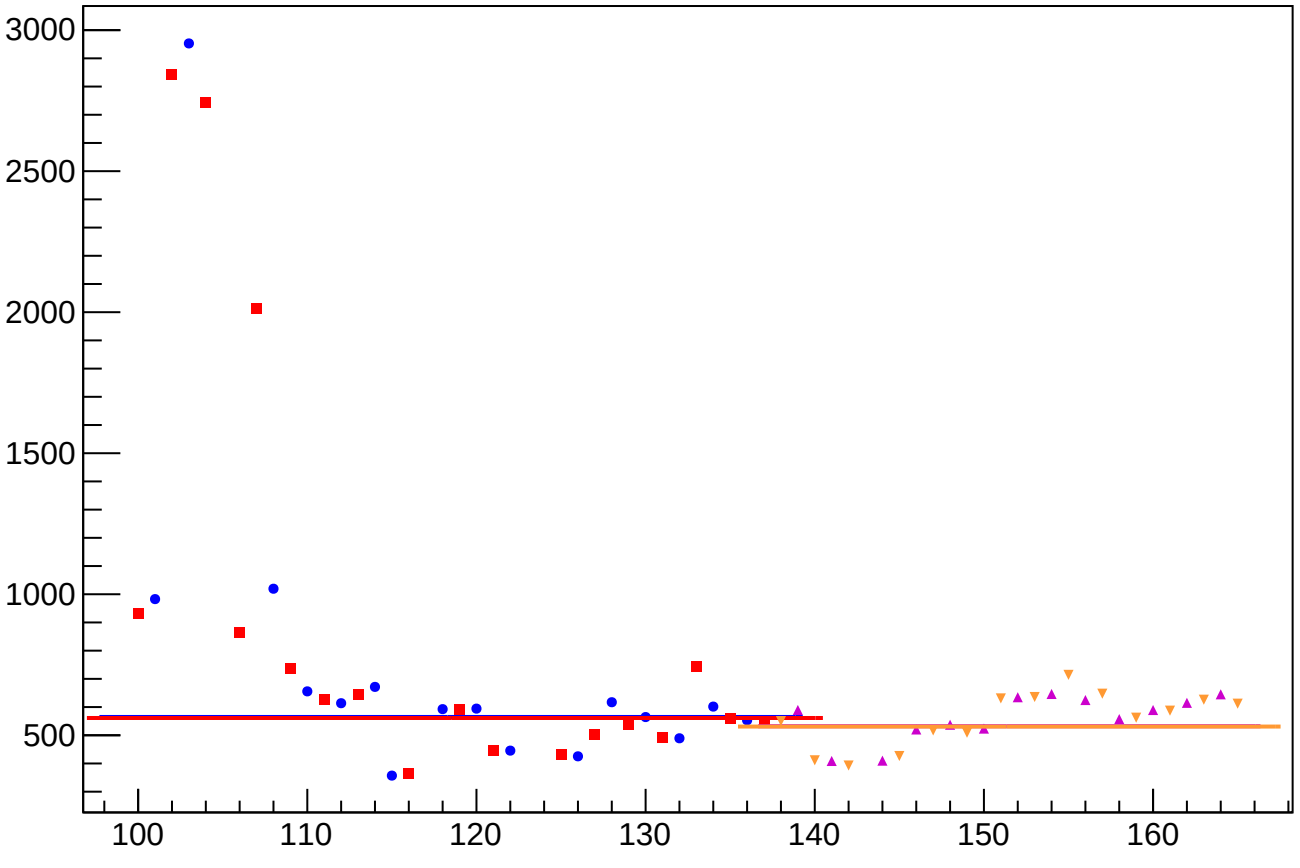
Left: -267.113+/-115.312 χ^2/NDF: 56.5/26

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 61.773+/-131.563 χ^2/NDF:33.3/28

Out: -332.207+/-132.384 χ^2/NDF:66.5/31

All: -133.992+/-93.318 χ^2/NDF: 104.2/60



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 530.886+/-0.115 χ^2/NDF:680547.1/13

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 532.041+/-0.115 χ^2/NDF:557504.1/12

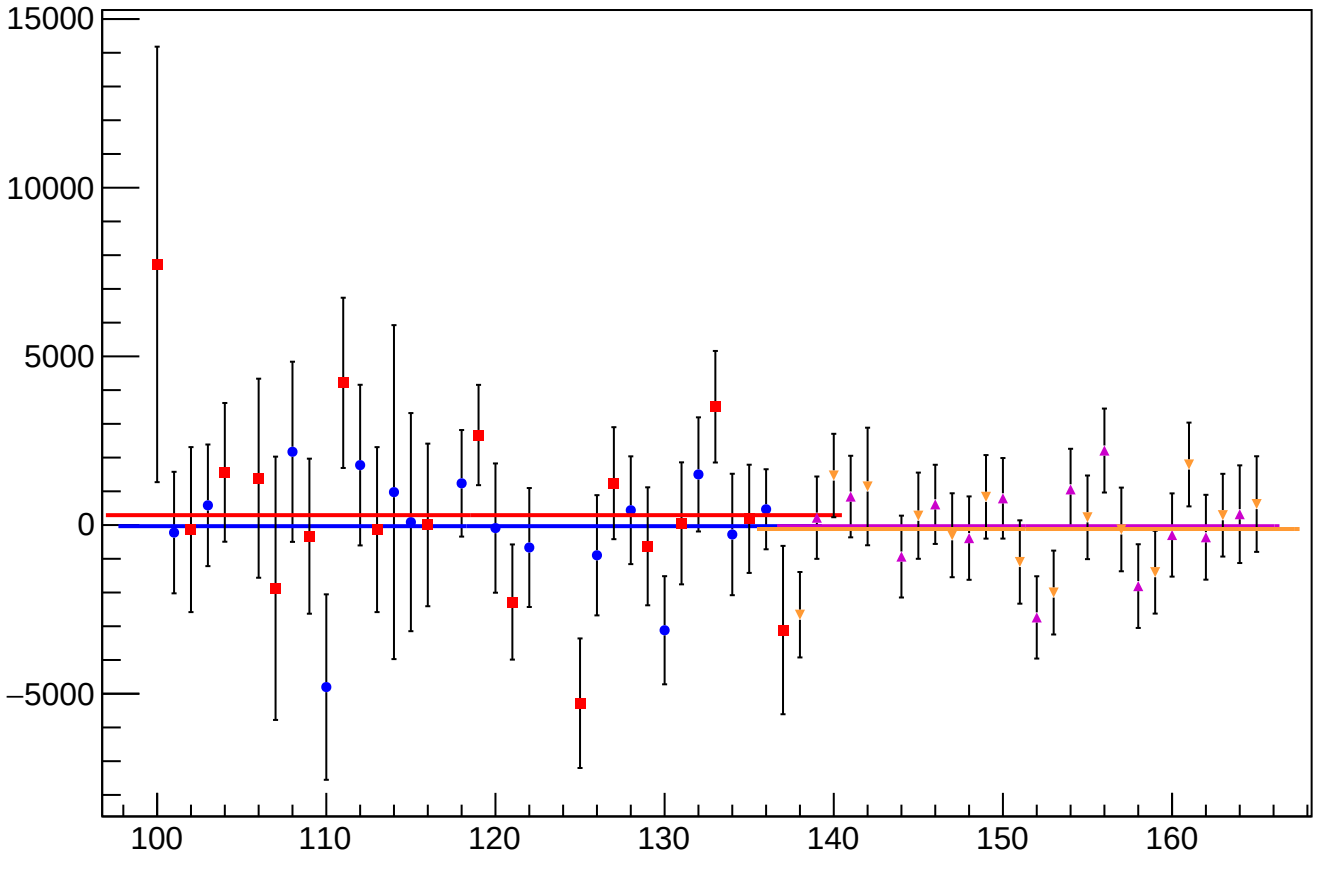
Left: 531.464+/-0.082 χ^2/NDF: 1238101.4/26

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 543.492+/-0.093 χ^2/NDF:2066166.1/28

Out: 541.257+/-0.094 χ^2/NDF:2977609.0/31

All: 542.382+/-0.066 χ^2/NDF: 5044062.0/60



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -117.122+/-341.090 χ^2/NDF:13.7/13

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -33.955+/-342.161 χ^2/NDF:13.2/12

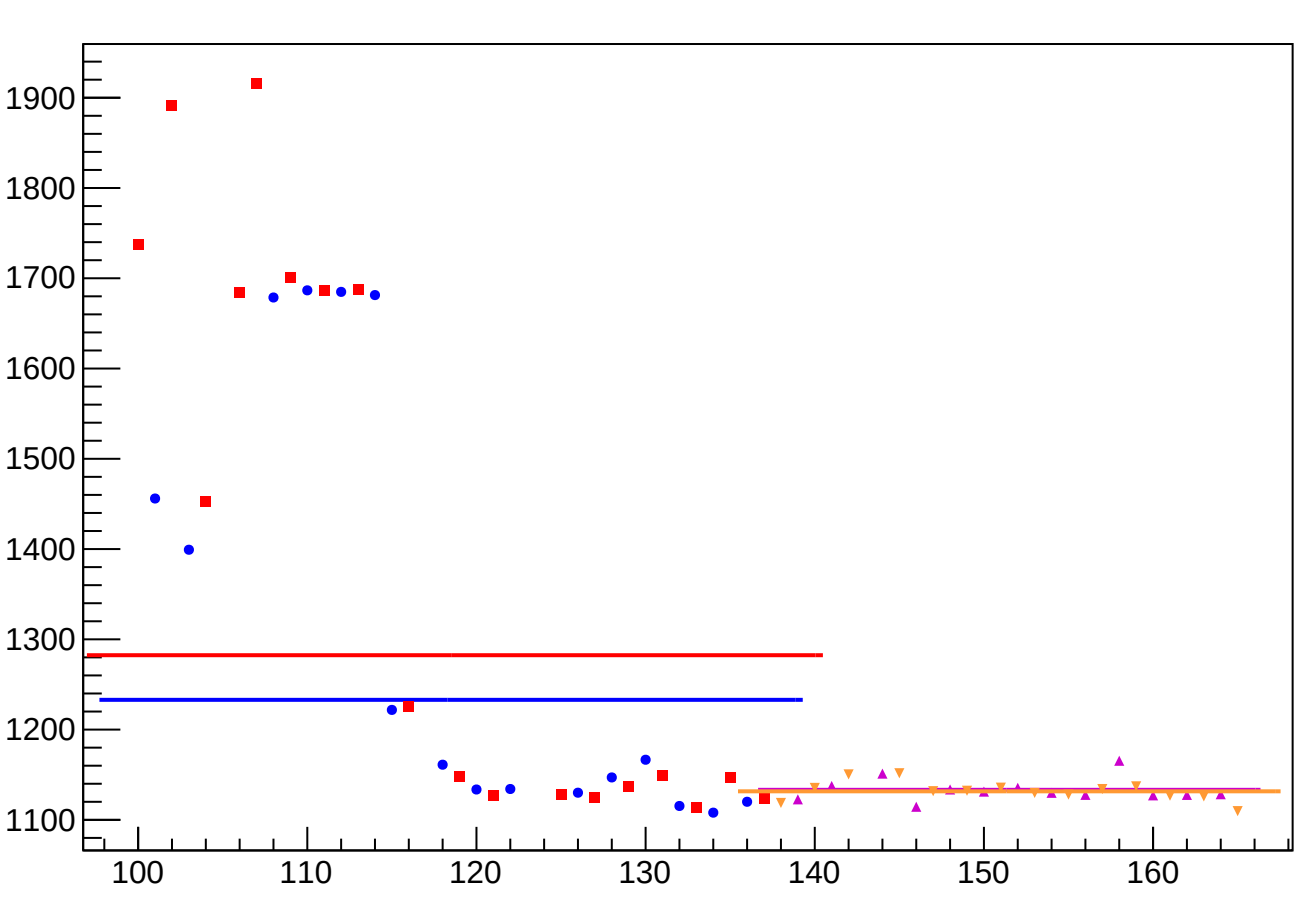
Left: -75.669+/-241.565 χ^2/NDF: 27.0/26

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -33.640+/-275.219 χ^2/NDF:23.5/28

Out: 19.162+/-278.780 χ^2/NDF:38.5/31

All: -7.578+/-195.856 χ^2/NDF: 61.9/60



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1131.615+/-0.241 χ^2/NDF:1592.5/13

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

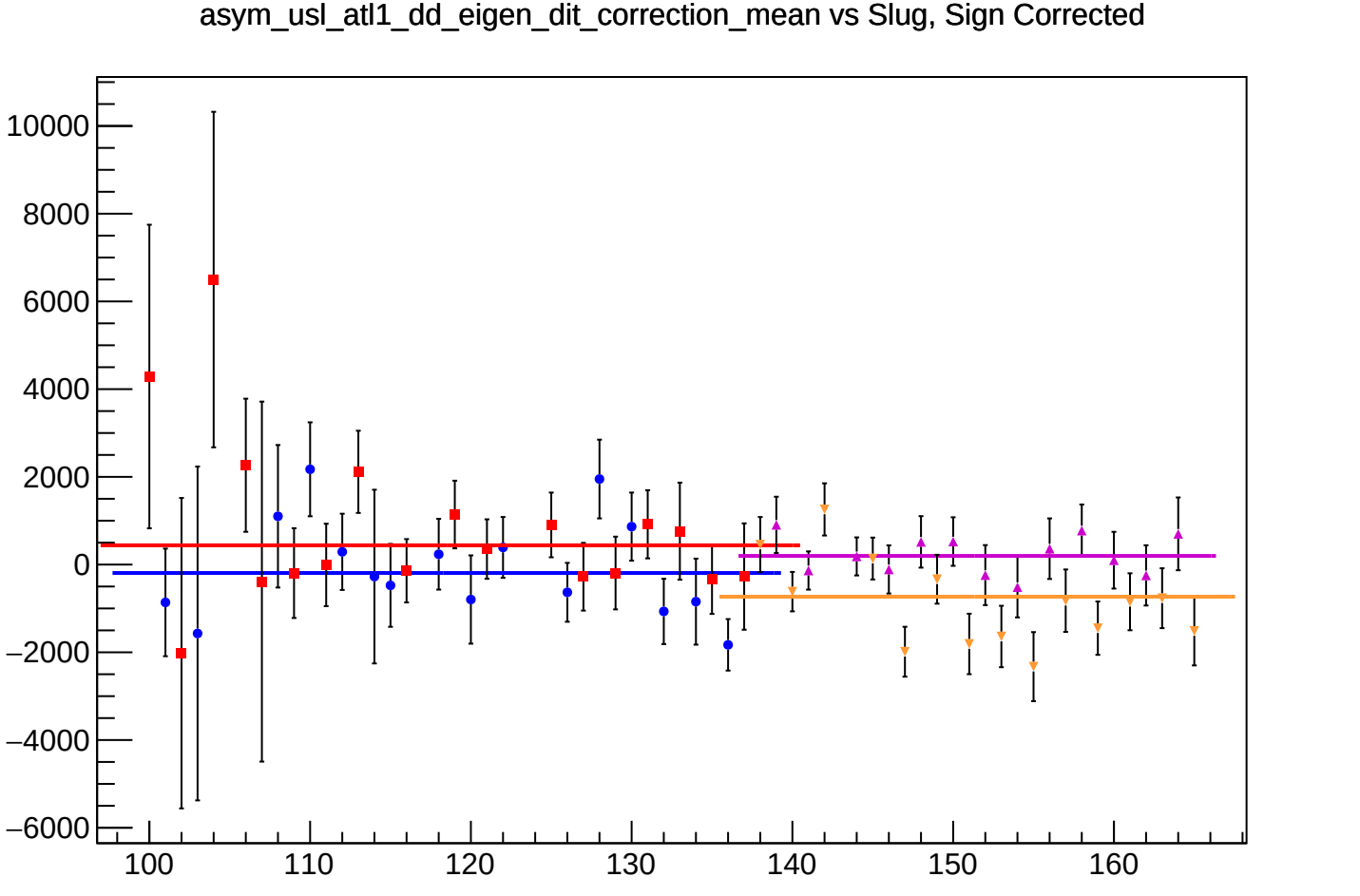
Left: 1132.441+/-0.171 χ^2/NDF: 4266.7/26

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1168.465+/-0.195 χ^2/NDF:378057.1/28

Out: 1181.676+/-0.197 χ^2/NDF:674765.3/31

All: 1174.985+/-0.138 χ^2/NDF: 1055097.0/60



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -732.137+/-163.116 χ^2/NDF:34.2/13

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 197.450+/-163.034 χ^2/NDF:6.1/12

Left: -267.112+/-115.311 χ^2/NDF: 56.5/26

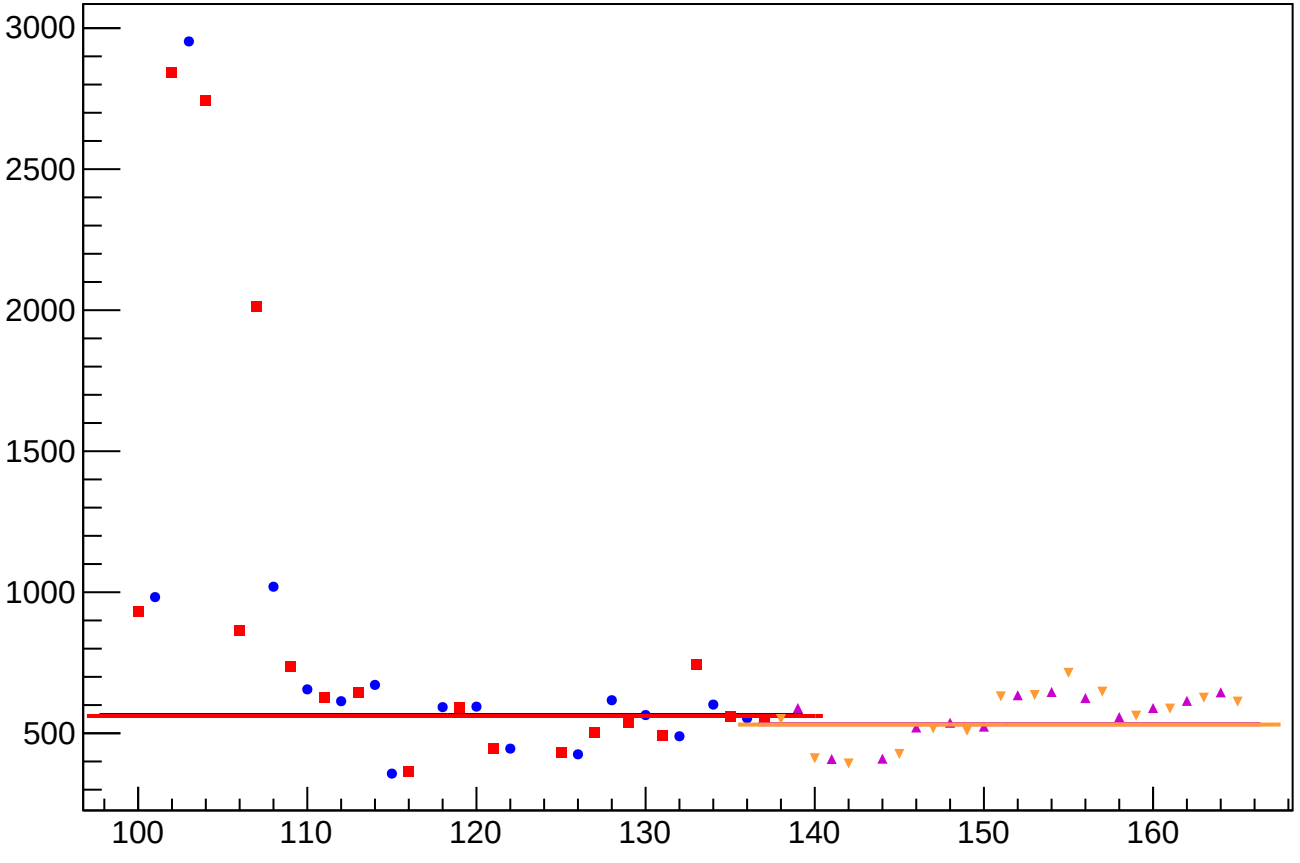
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 61.773+/-131.563 χ^2/NDF:33.3/28

Out: -332.206+/-132.384 χ^2/NDF:66.5/31

All: -133.991+/-93.318 χ^2/NDF: 104.2/60

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: 530.885+/-0.115 χ^2/NDF:680565.7/13

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 532.041+/-0.115 χ^2/NDF:557516.1/12

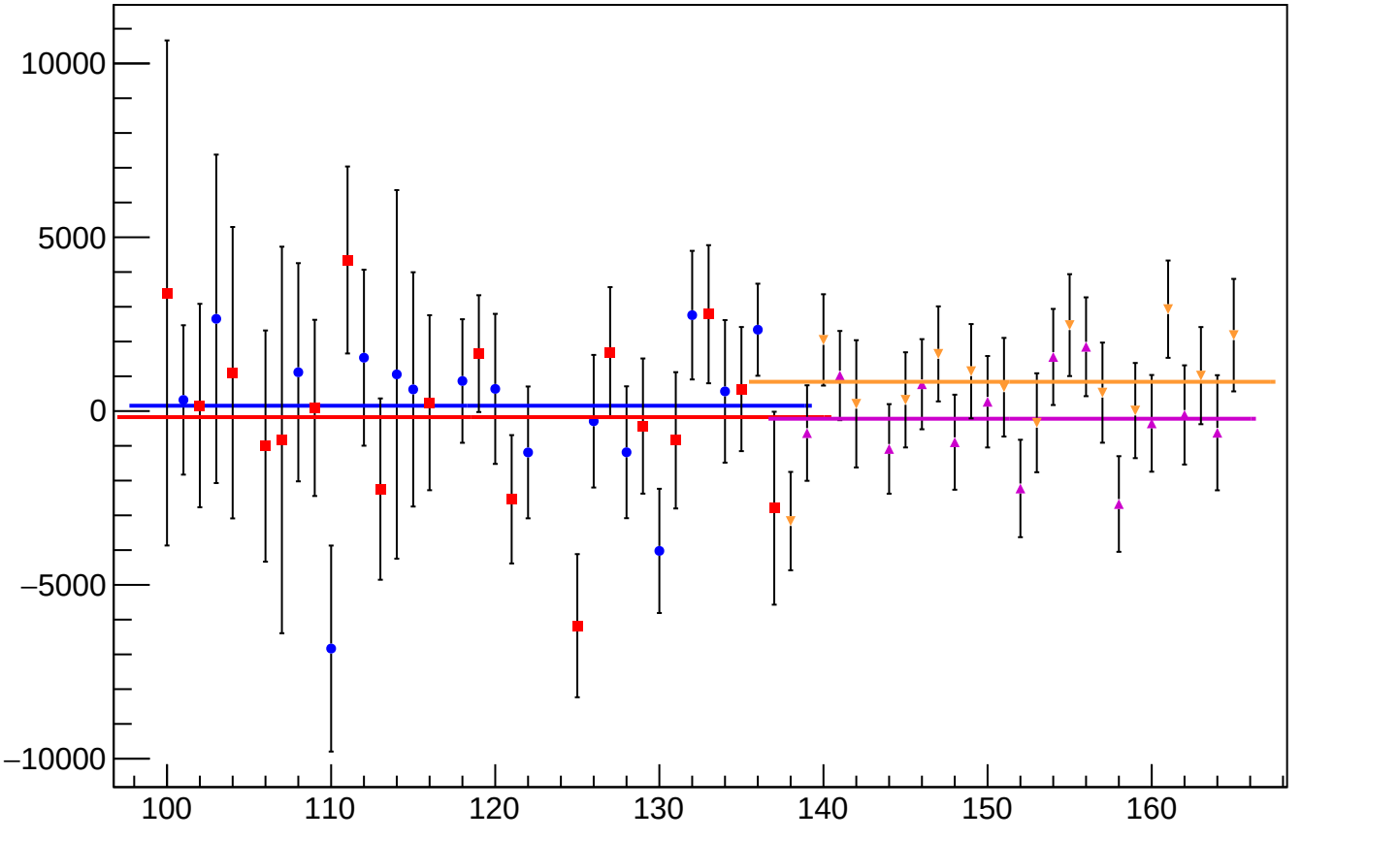
Left: 531.463+/-0.082 χ^2/NDF: 1238132.0/26

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 543.492+/-0.093 χ^2/NDF:2066176.4/28

Out: 541.257+/-0.094 χ^2/NDF:2977629.5/31

All: 542.381+/-0.066 χ^2/NDF: 5044092.7/60



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 842.457+/-381.648 χ^2/NDF:14.8/13

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -220.625+/-381.364 χ^2/NDF:11.5/12

Left: 310.521+/-269.765 χ^2/NDF: 30.2/26

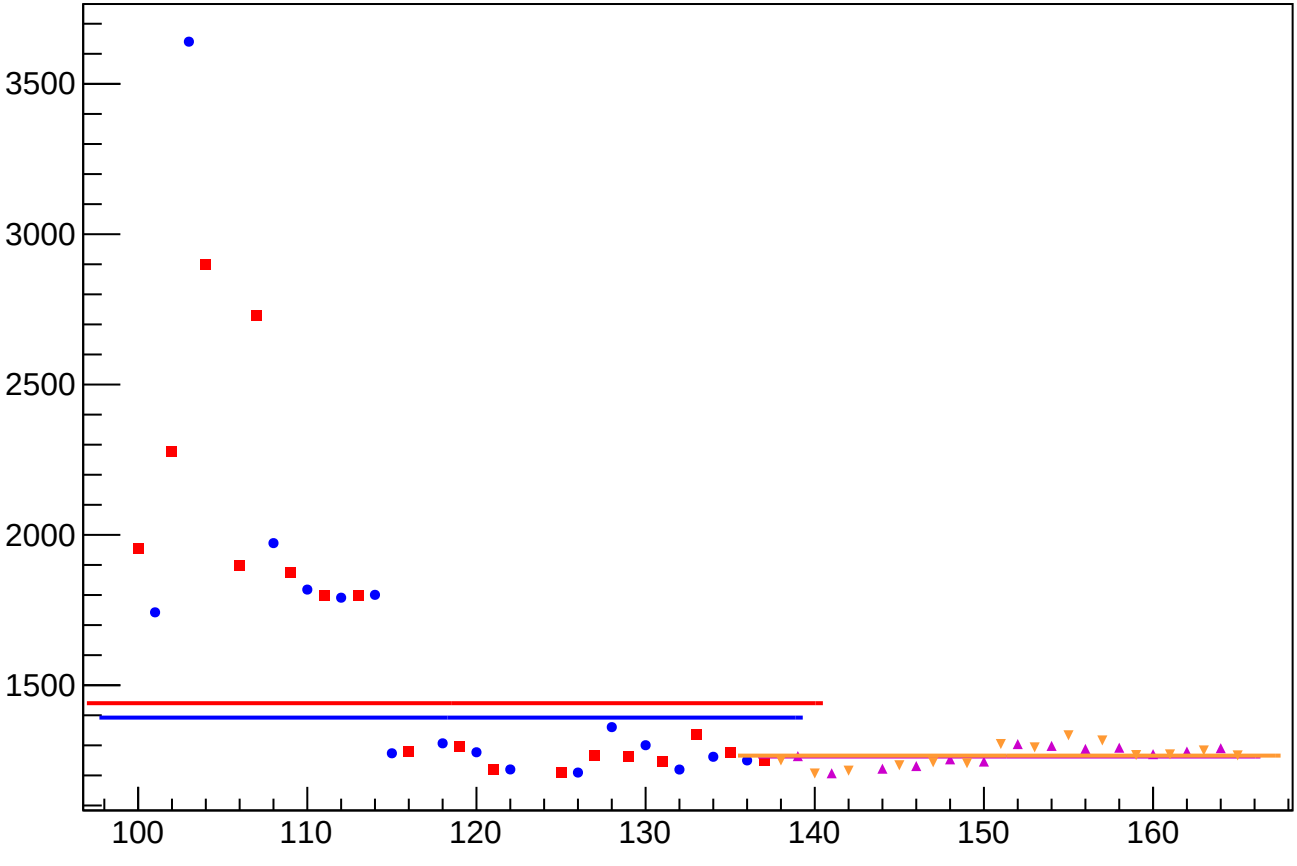
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -93.703+/-309.971 χ^2/NDF:29.6/28

Out: 512.119+/-313.581 χ^2/NDF:36.8/31

All: 205.700+/-220.448 χ^2/NDF: 68.3/60

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.871+/-0.270 χ^2/NDF:17424.5/13

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1262.731+/-0.270 χ^2/NDF:12846.5/12

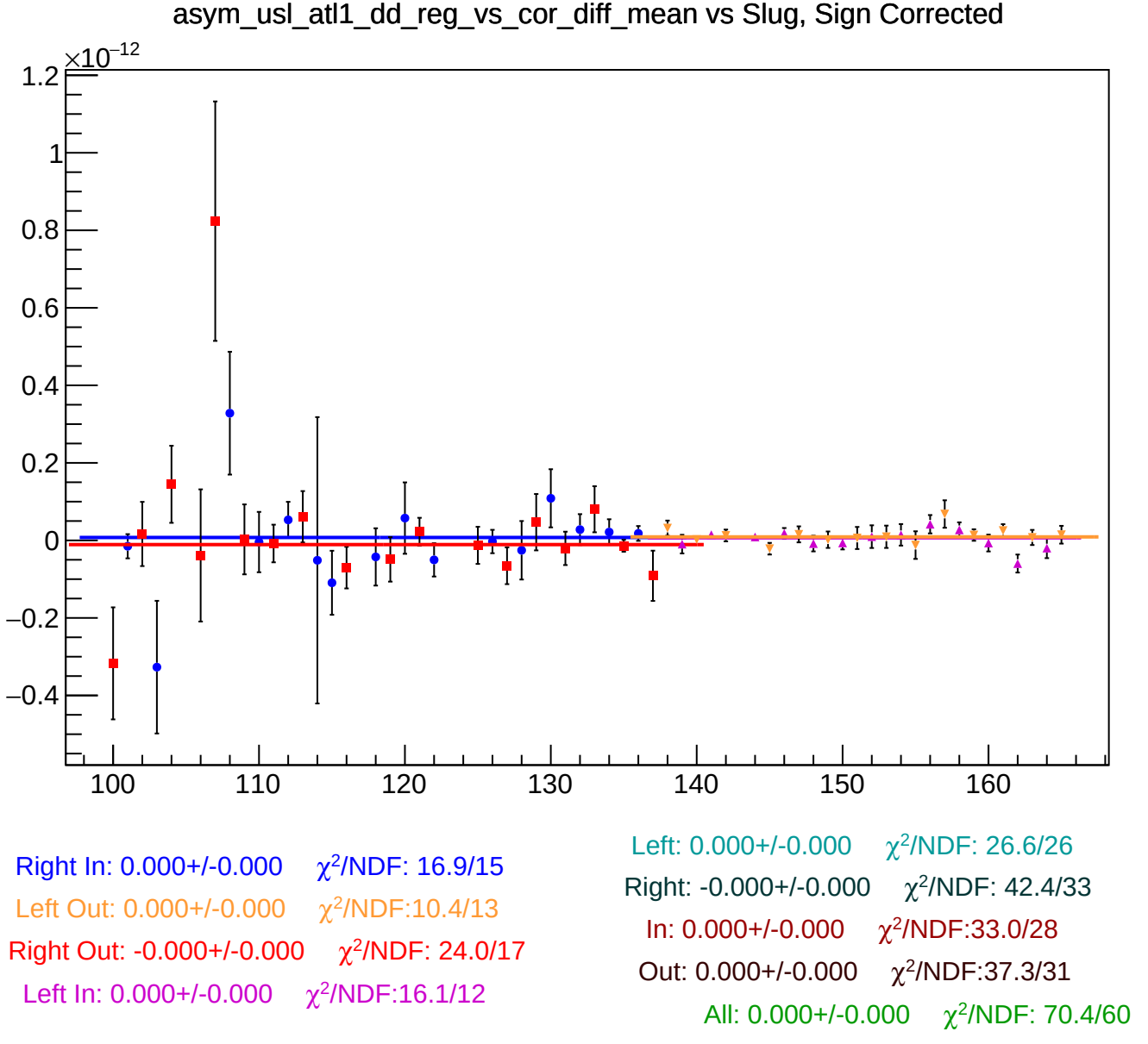
Left: 1264.300+/-0.191 χ^2/NDF: 30338.7/26

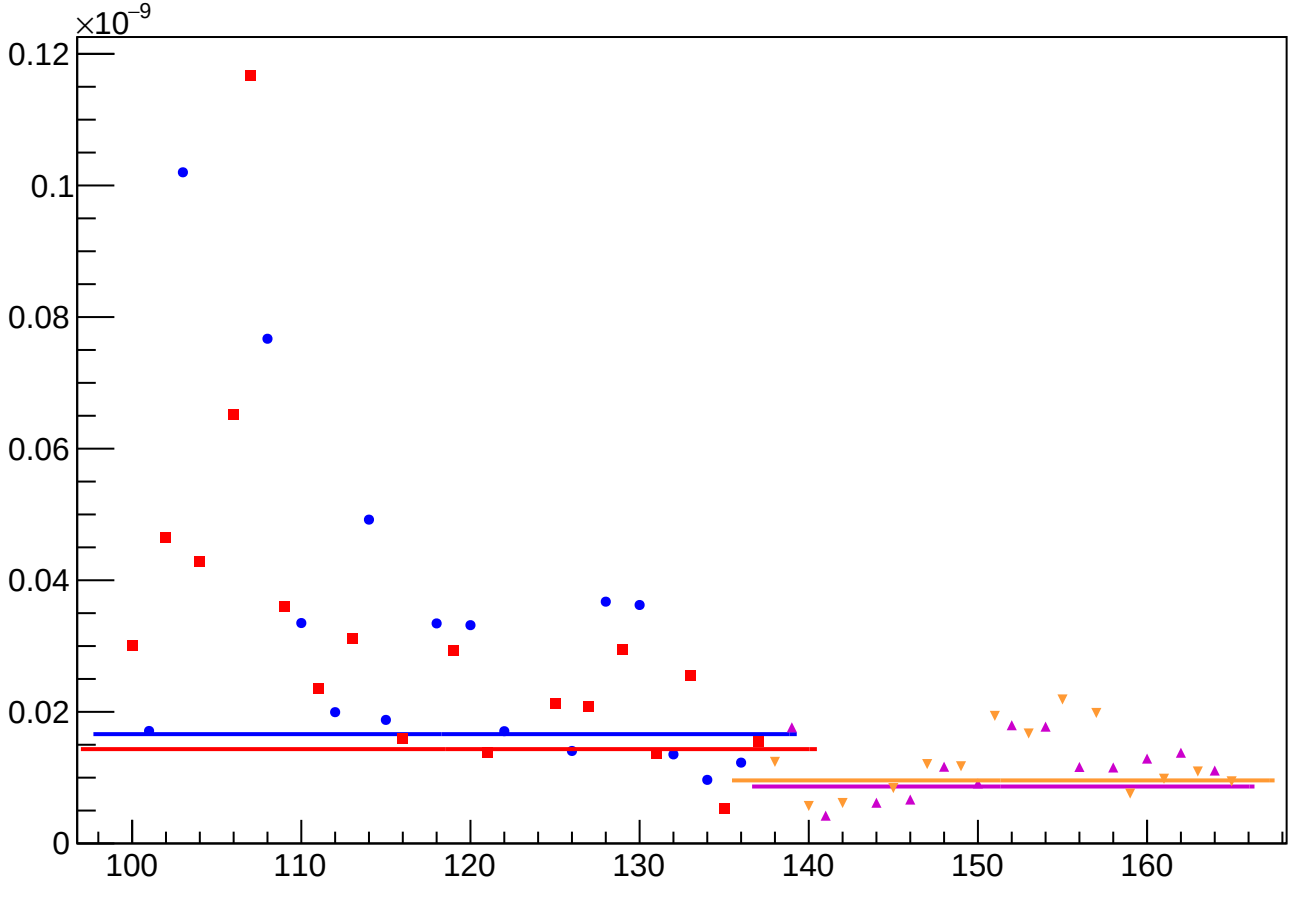
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1306.701+/-0.219 χ^2/NDF:870431.5/28

Out: 1322.516+/-0.222 χ^2/NDF:1007919.3/31

All: 1314.517+/-0.156 χ^2/NDF: 1880923.6/60


asym_usl_atl1_dd_reg_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:10.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:16.1/12
Left: 0.000+/-0.000 χ²/NDF: 26.6/26
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:33.0/28
Out: 0.000+/-0.000 χ²/NDF:37.3/31
All: 0.000+/-0.000 χ²/NDF: 70.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262745.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1608105.0/12

Left: 0.000+/-0.000 χ^2/NDF: 2907997.8/26

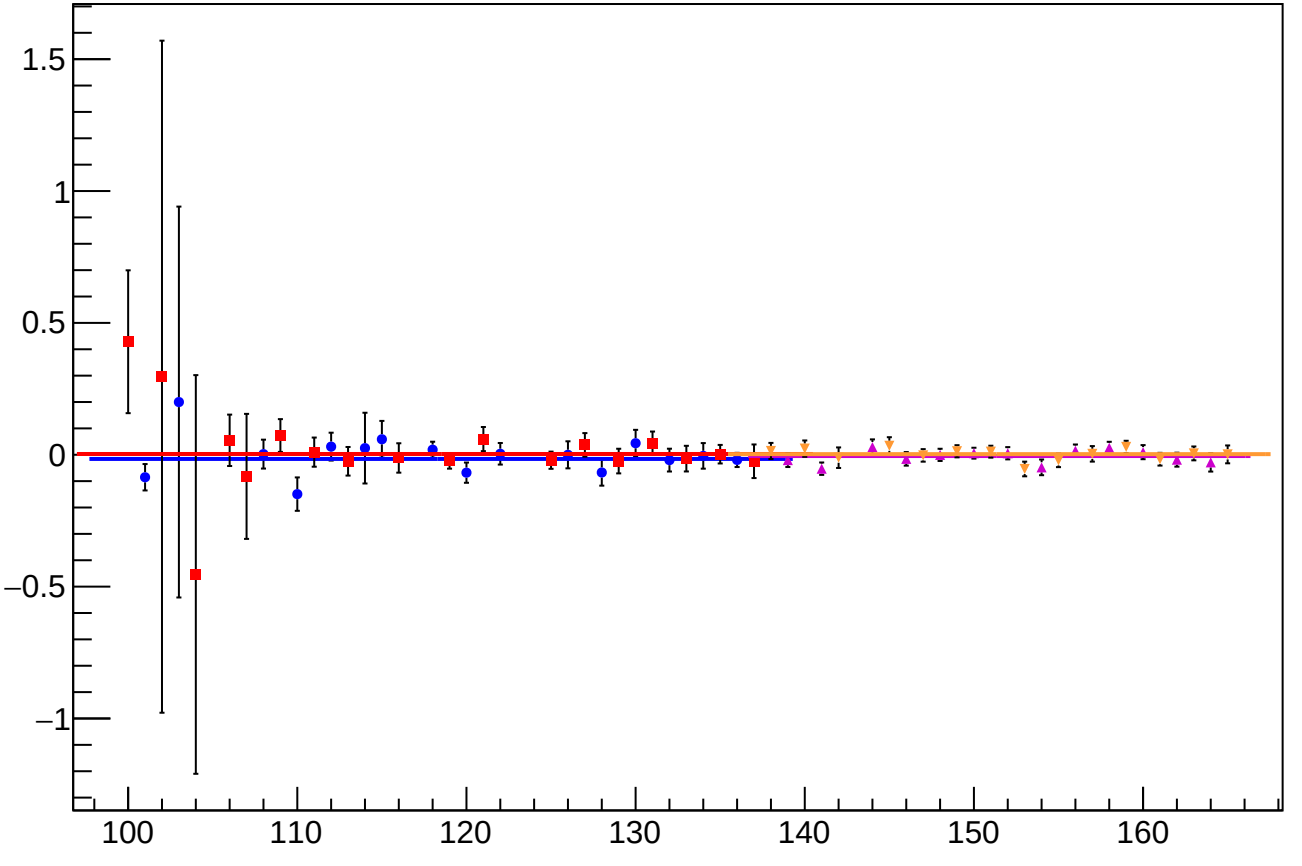
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4085811.9/28

Out: 0.000+/-0.000 χ^2/NDF:3851348.4/31

All: 0.000+/-0.000 χ^2/NDF: 7951656.4/60

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: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/26

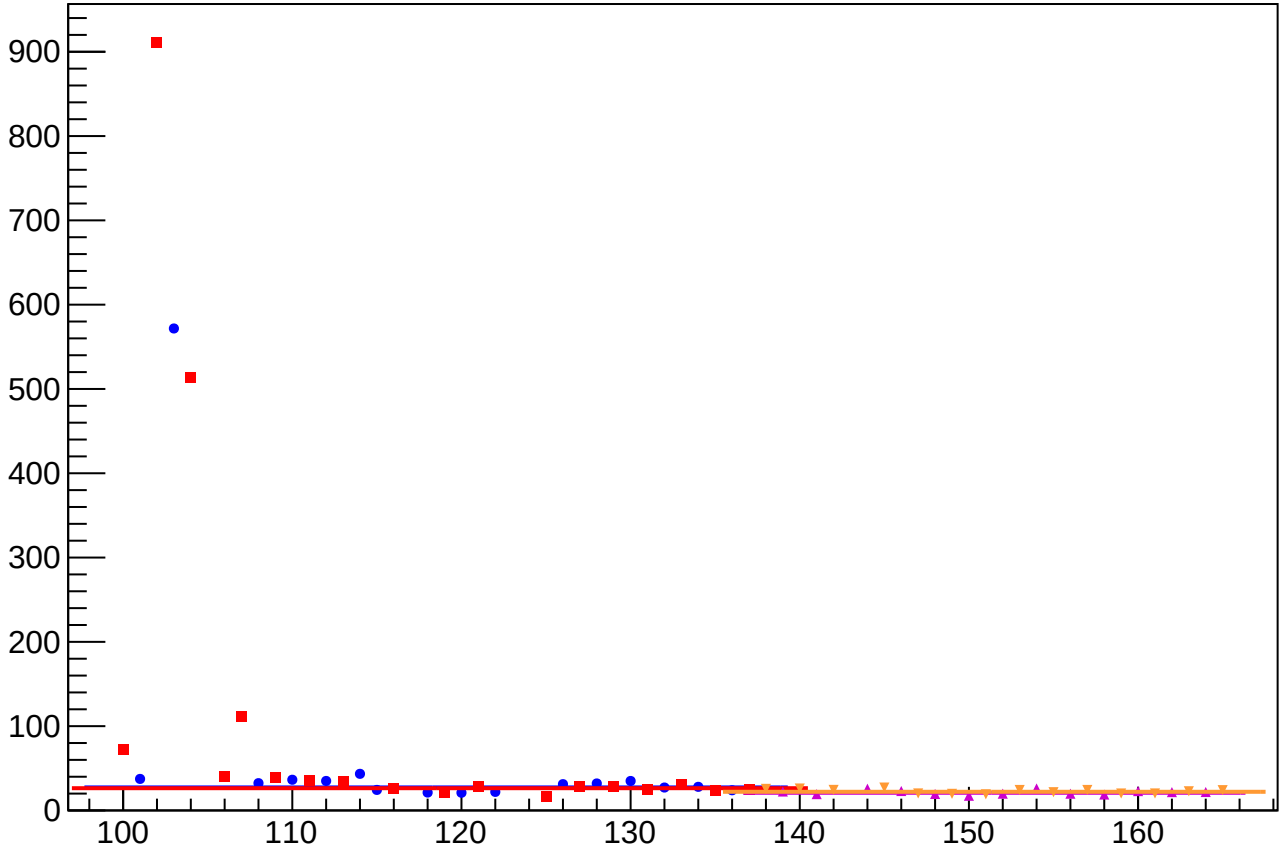
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.003+/-0.004 χ^2/NDF: 48.0/60

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.140+/-0.005 χ^2/NDF:241806.4/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

Left: 21.527+/-0.004 χ^2/NDF: 519854.0/26

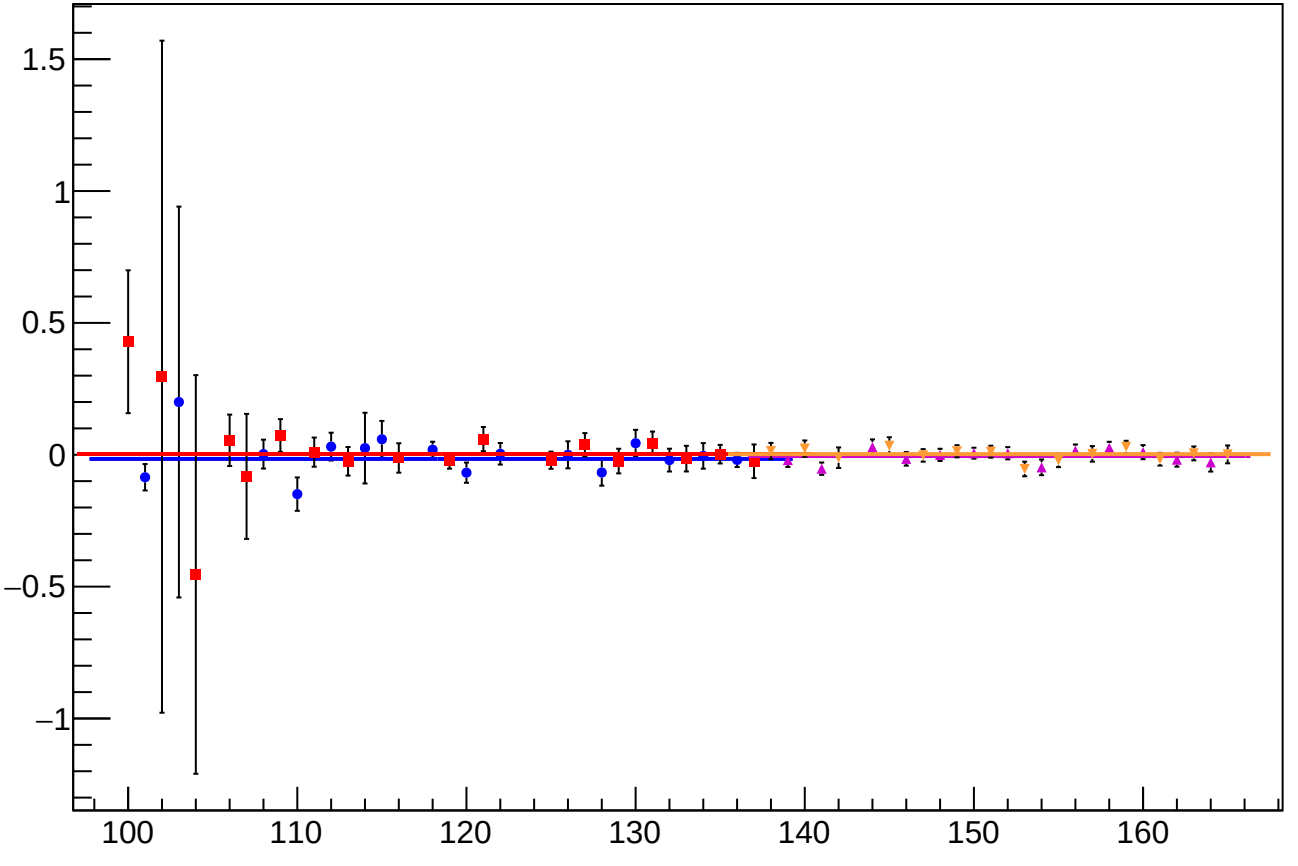
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.650+/-0.004 χ^2/NDF:2260922.7/28

Out: 23.271+/-0.004 χ^2/NDF:3040953.8/31

All: 22.949+/-0.003 χ^2/NDF: 5312297.7/60

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/26

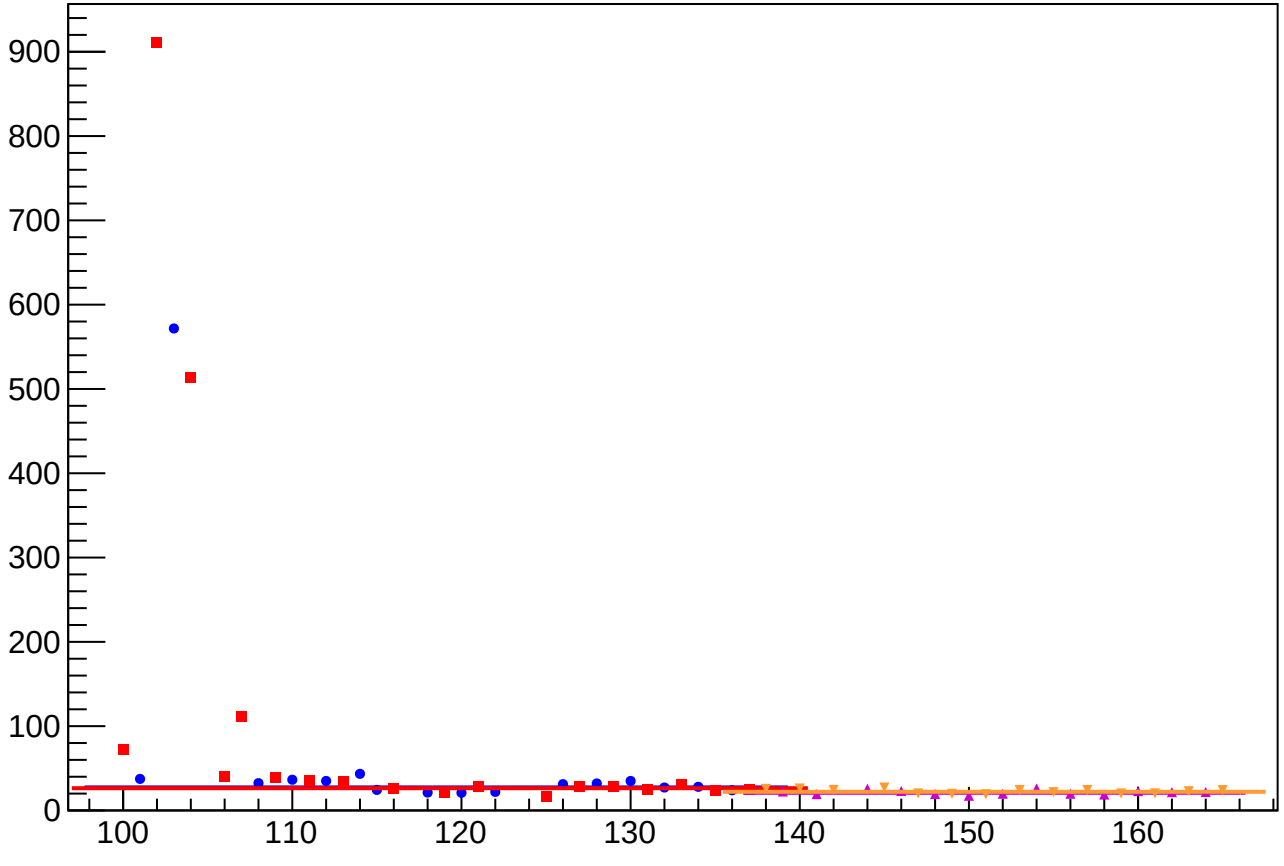
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.003+/-0.004 χ^2/NDF: 48.0/60

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: 22.140+/-0.005 χ^2/NDF:241806.4/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

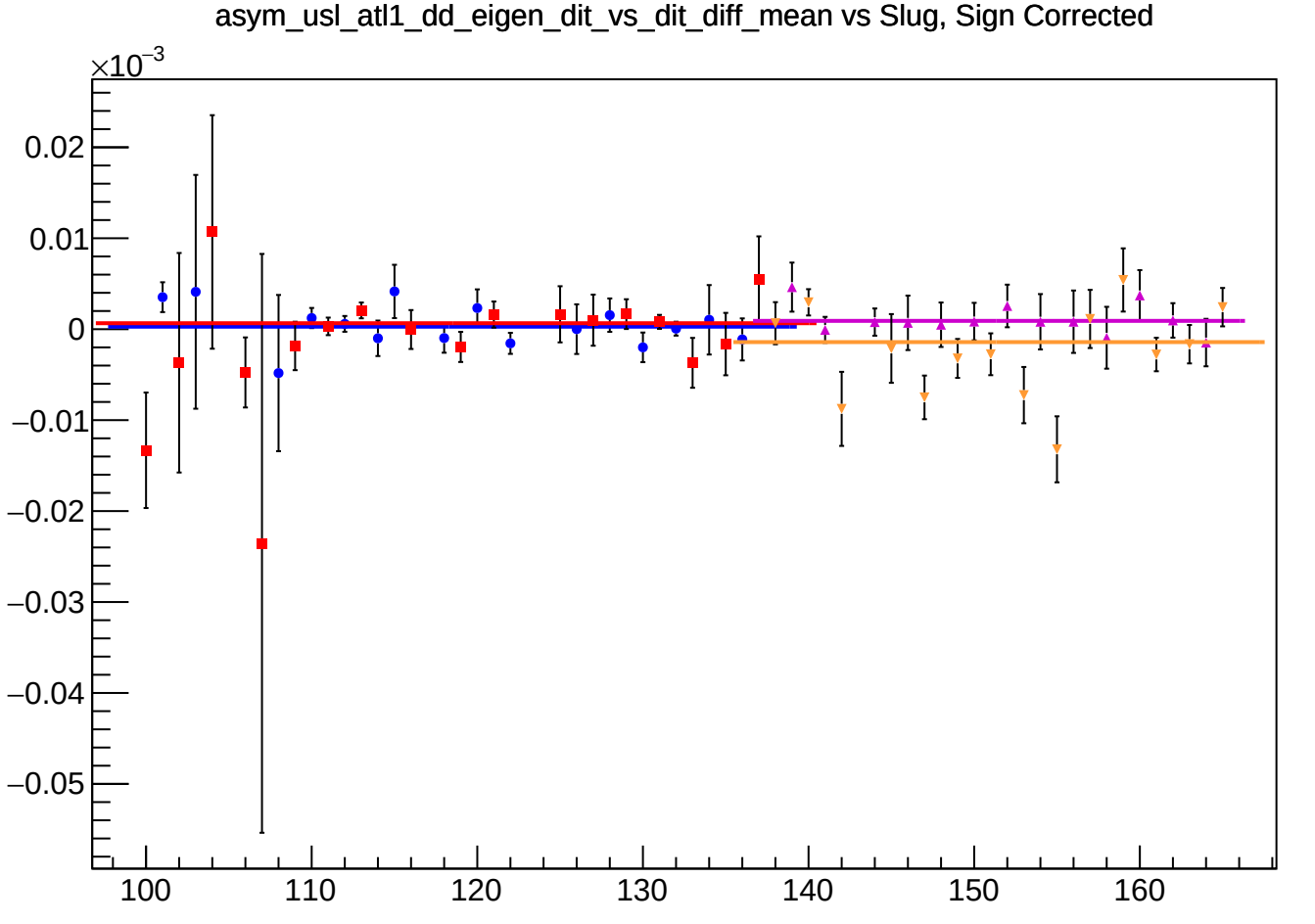
Left: 21.527+/-0.004 χ^2/NDF: 519854.0/26

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

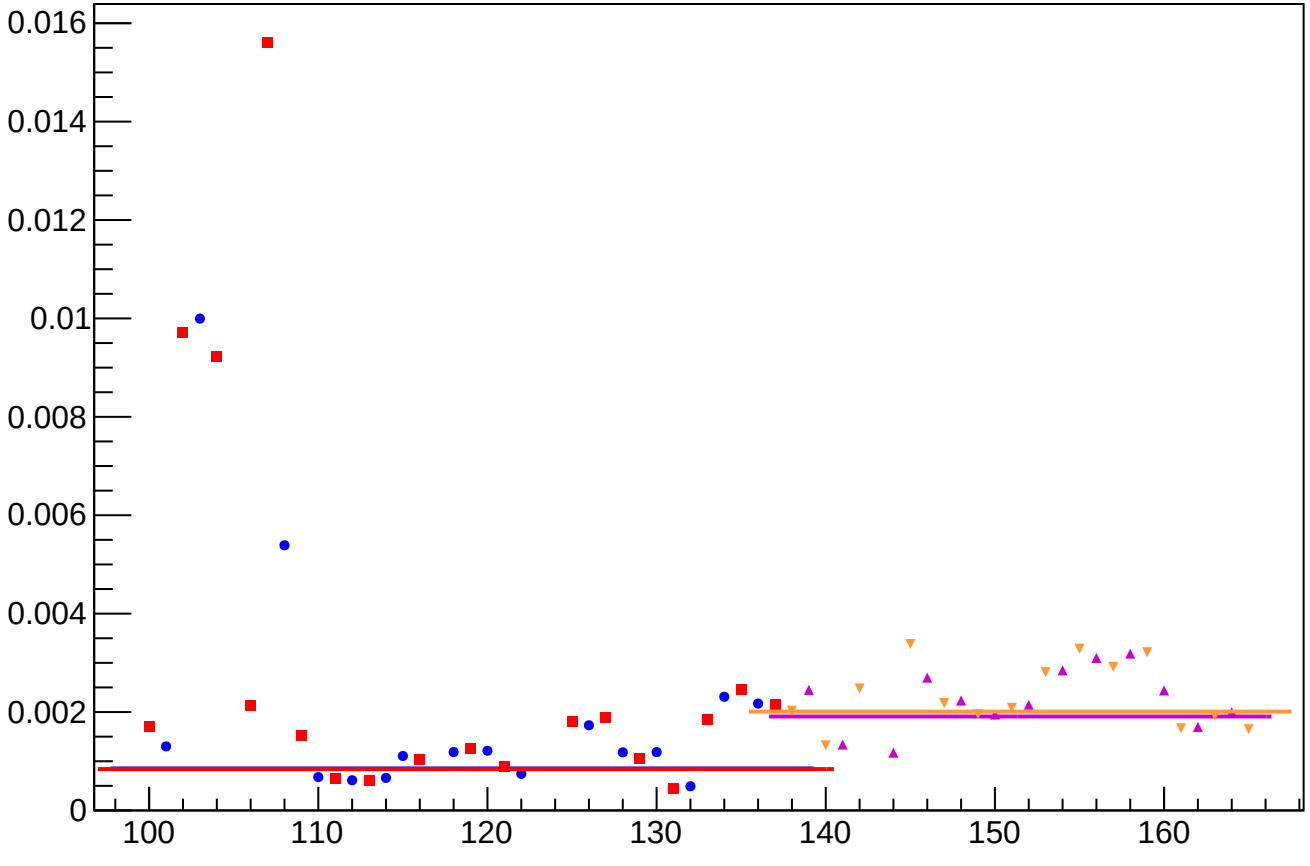
In: 22.650+/-0.004 χ^2/NDF:2260922.7/28

Out: 23.271+/-0.004 χ^2/NDF:3040953.8/31

All: 22.949+/-0.003 χ^2/NDF: 5312297.7/60


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
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:43.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/17
Left In: 0.000+/-0.000 χ²/NDF:5.1/12
Left: -0.000+/-0.000 χ²/NDF: 55.1/26
Right: 0.000+/-0.000 χ²/NDF: 34.2/33
In: 0.000+/-0.000 χ²/NDF:20.3/28
Out: 0.000+/-0.000 χ²/NDF:70.1/31
All: 0.000+/-0.000 χ²/NDF: 91.0/60

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:1668952.3/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1889381.9/12

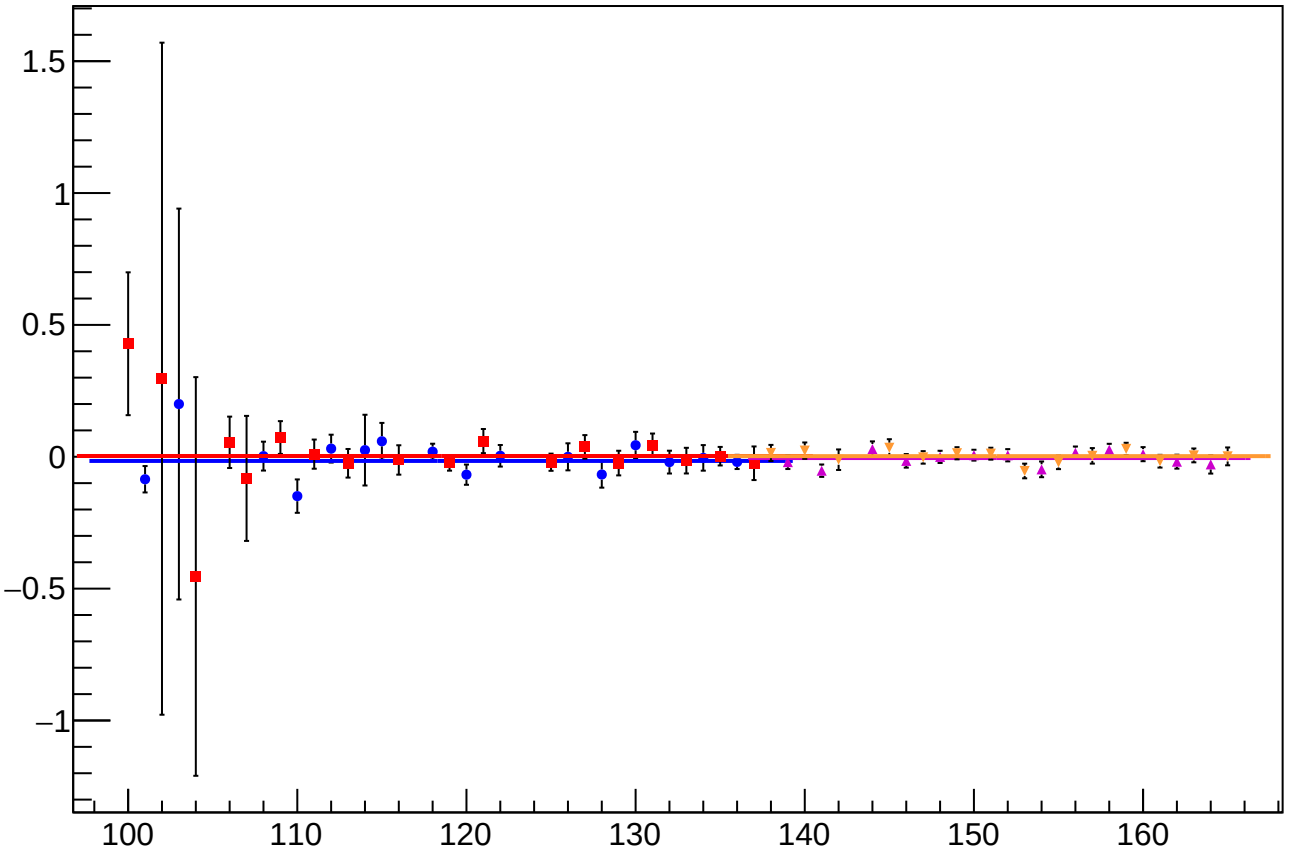
Left: 0.002+/-0.000 χ^2/NDF: 3584011.8/26

Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9994546.6/28

Out: 0.001+/-0.000 χ^2/NDF:11569120.1/31

All: 0.001+/-0.000 χ^2/NDF: 21574222.9/60



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/26

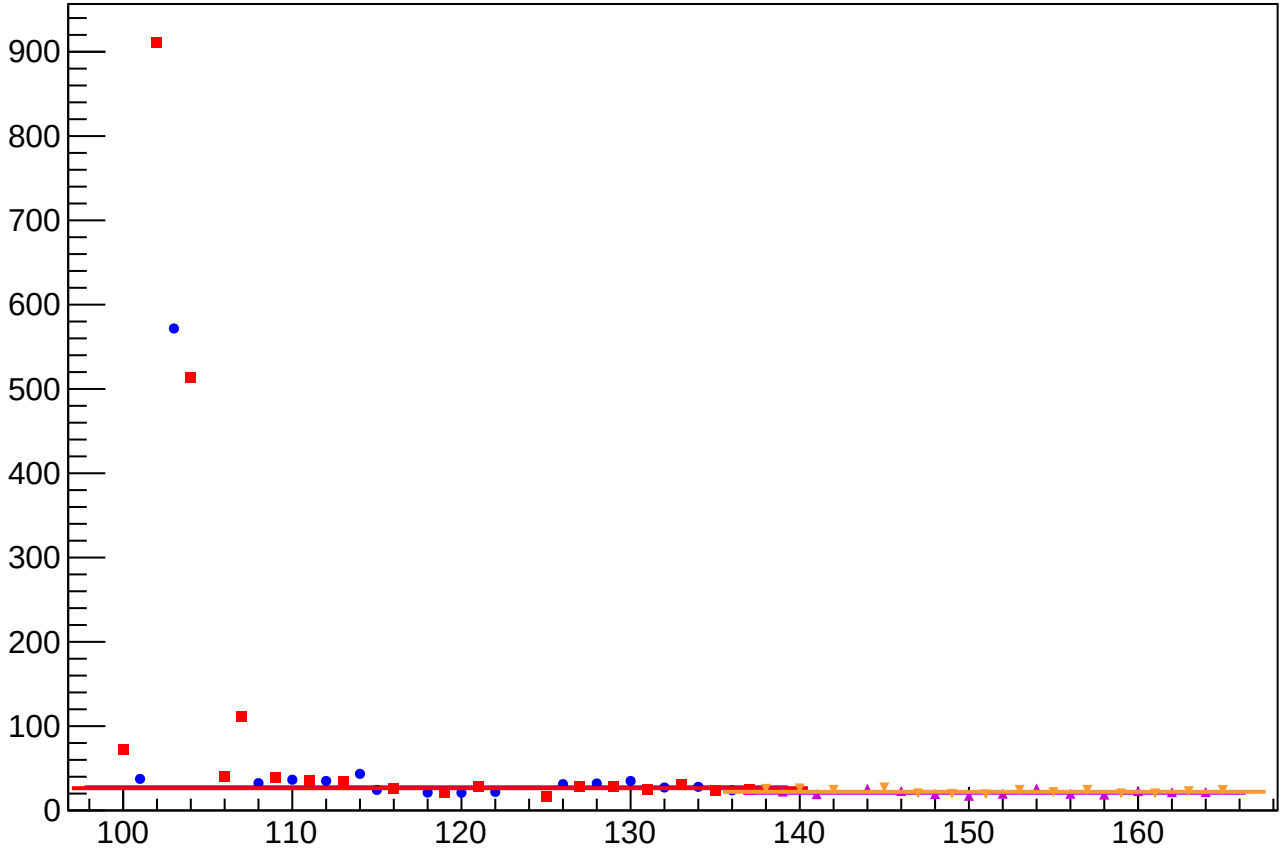
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.003+/-0.004 χ^2/NDF: 48.0/60

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: 22.140+/-0.005 χ^2/NDF:241776.3/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

Left: 21.527+/-0.004 χ^2/NDF: 519839.4/26

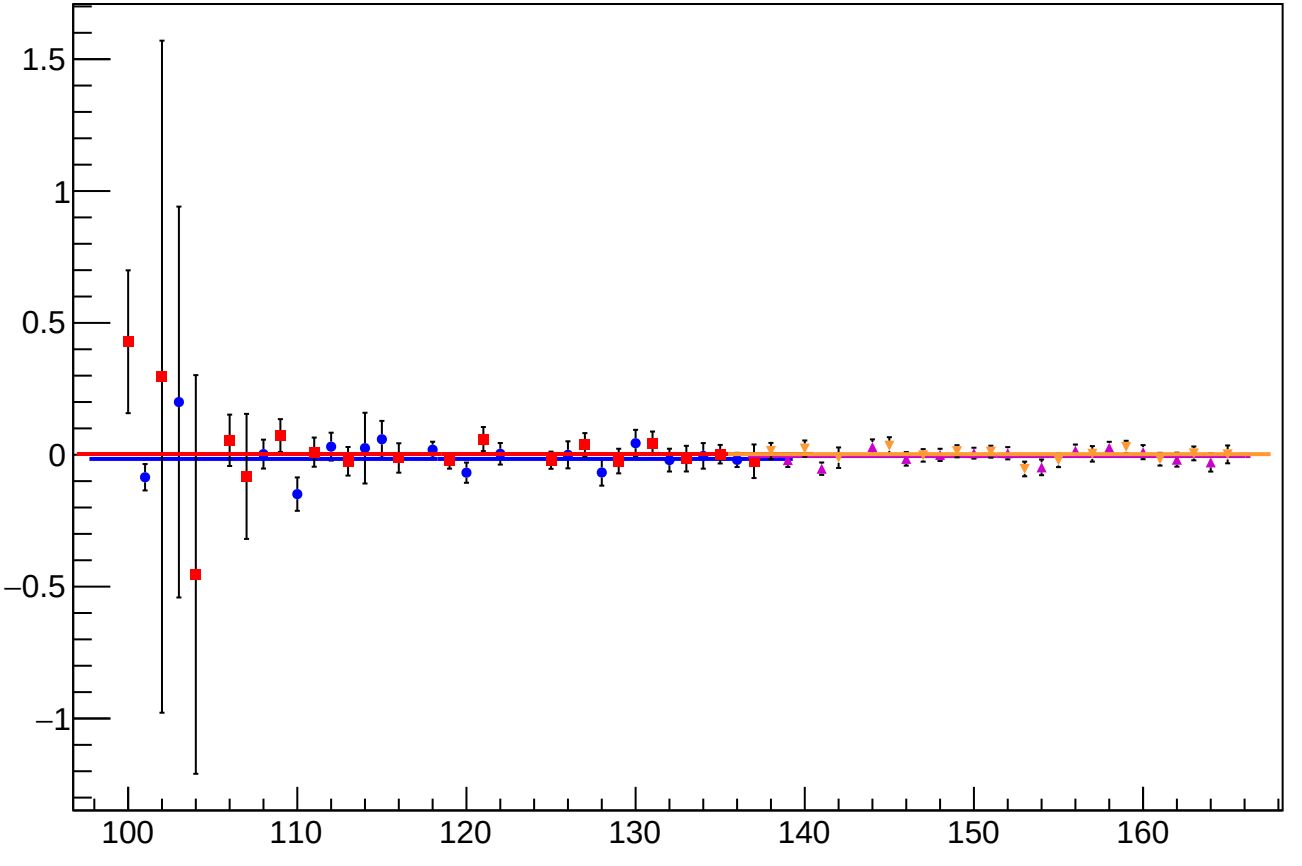
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.650+/-0.004 χ^2/NDF:2260937.0/28

Out: 23.271+/-0.004 χ^2/NDF:3040946.4/31

All: 22.949+/-0.003 χ^2/NDF: 5312303.7/60

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/26

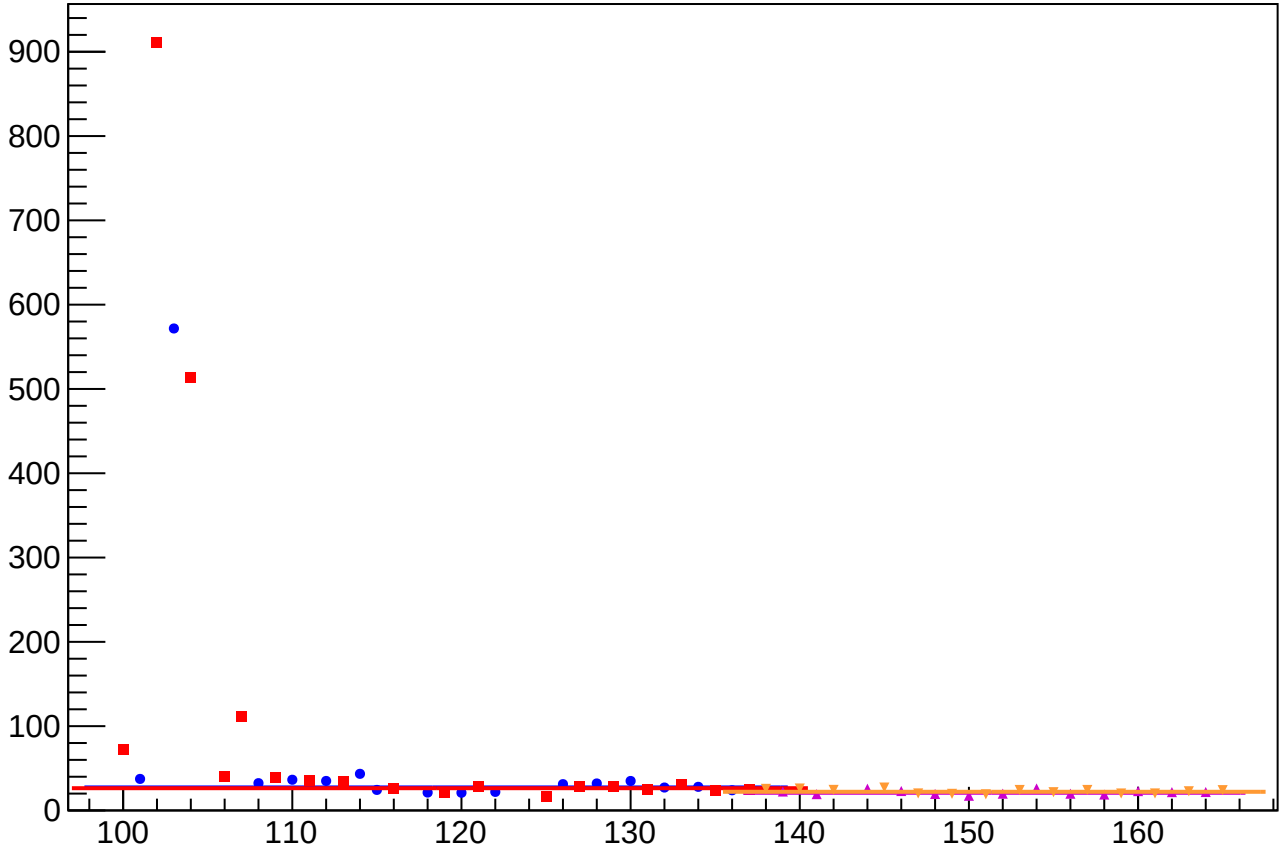
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.003+/-0.004 χ^2/NDF: 48.0/60

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: 22.140+/-0.005 χ^2/NDF:241776.3/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

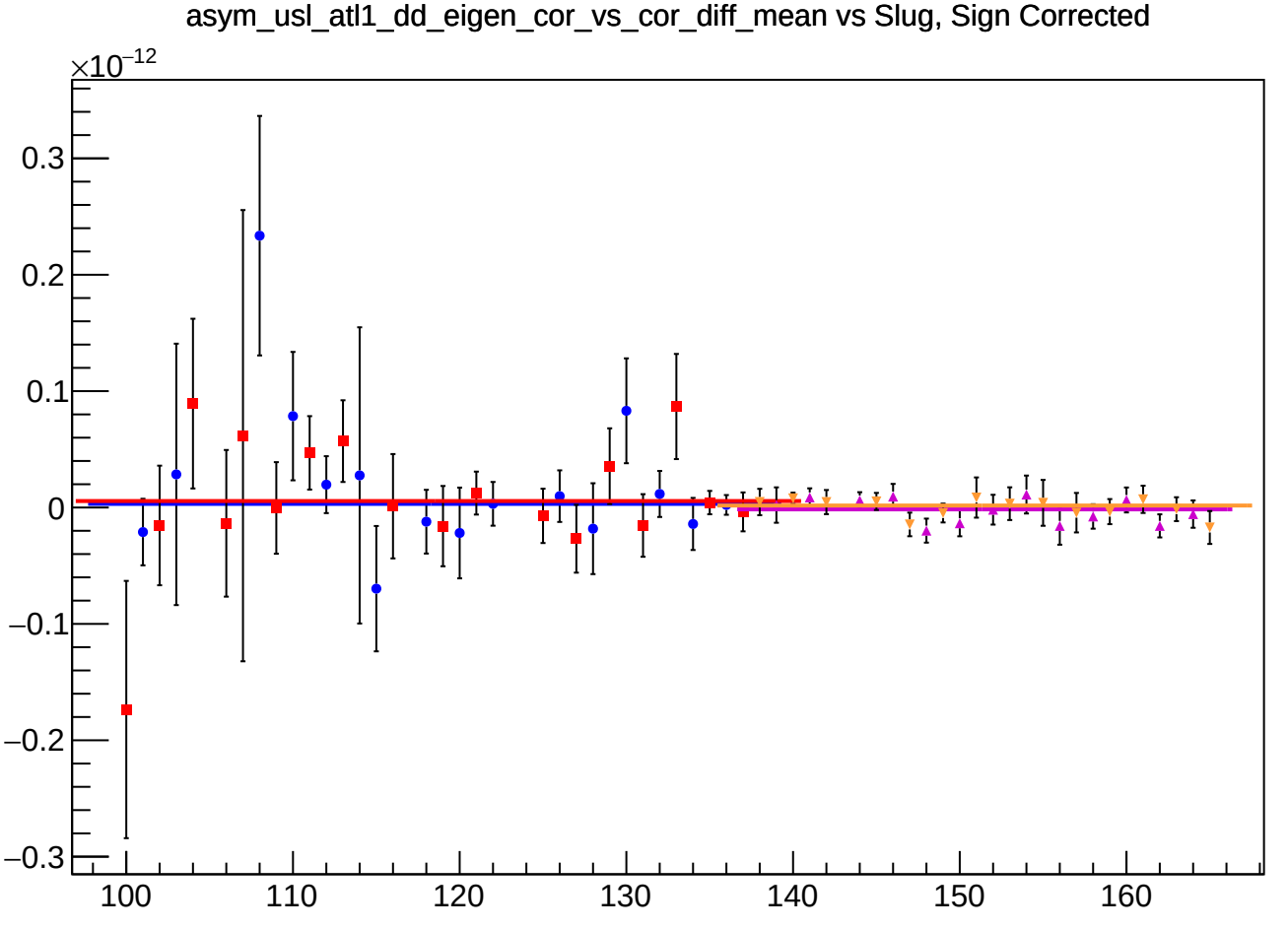
Left: 21.527+/-0.004 χ^2/NDF: 519839.4/26

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.650+/-0.004 χ^2/NDF:2260937.0/28

Out: 23.271+/-0.004 χ^2/NDF:3040946.4/31

All: 22.949+/-0.003 χ^2/NDF: 5312303.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.7/12

Left: 0.000+/-0.000 χ^2/NDF: 21.2/26

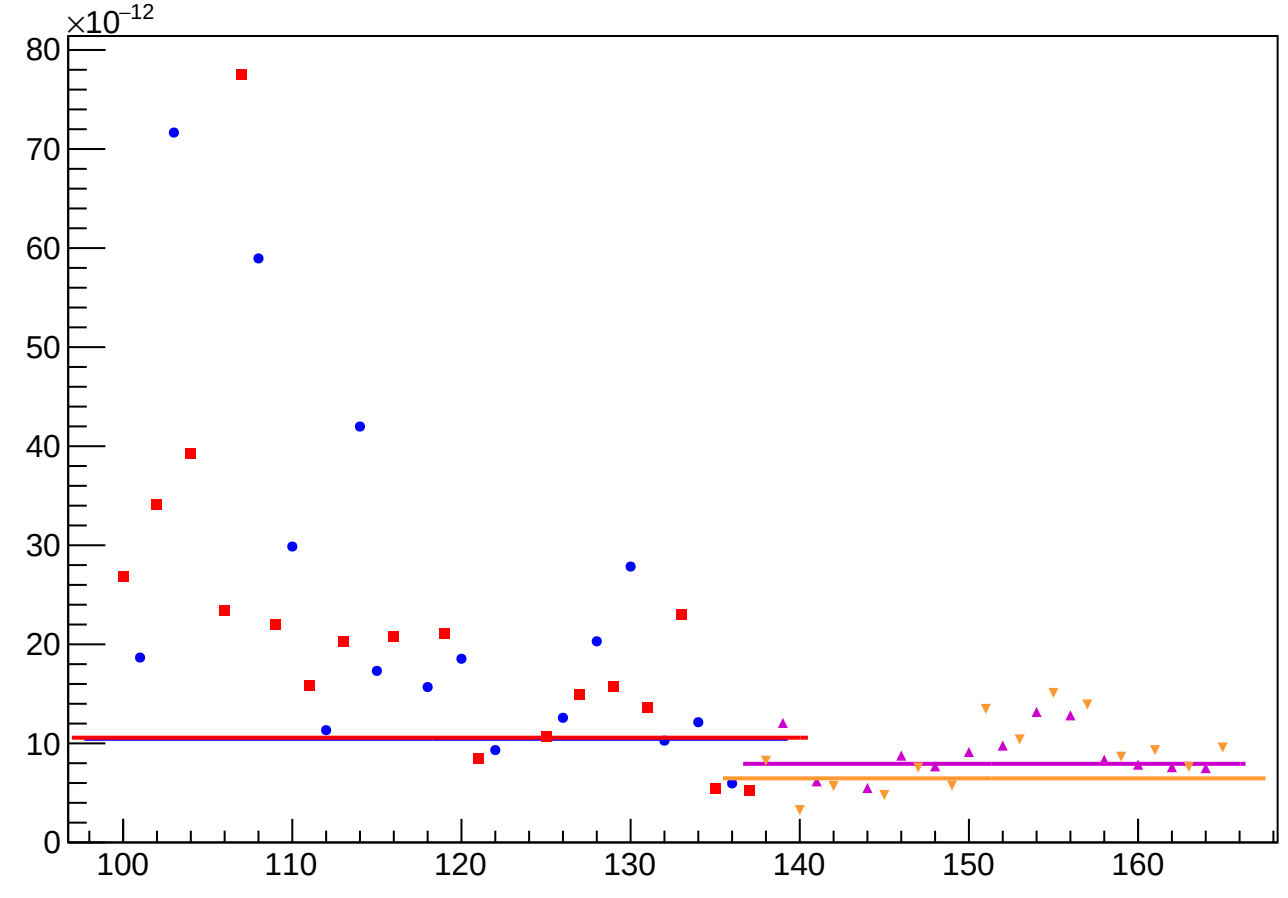
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:28.3/28

Out: 0.000+/-0.000 χ^2/NDF:23.4/31

All: 0.000+/-0.000 χ^2/NDF: 52.4/60

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2631815.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:963841.2/12

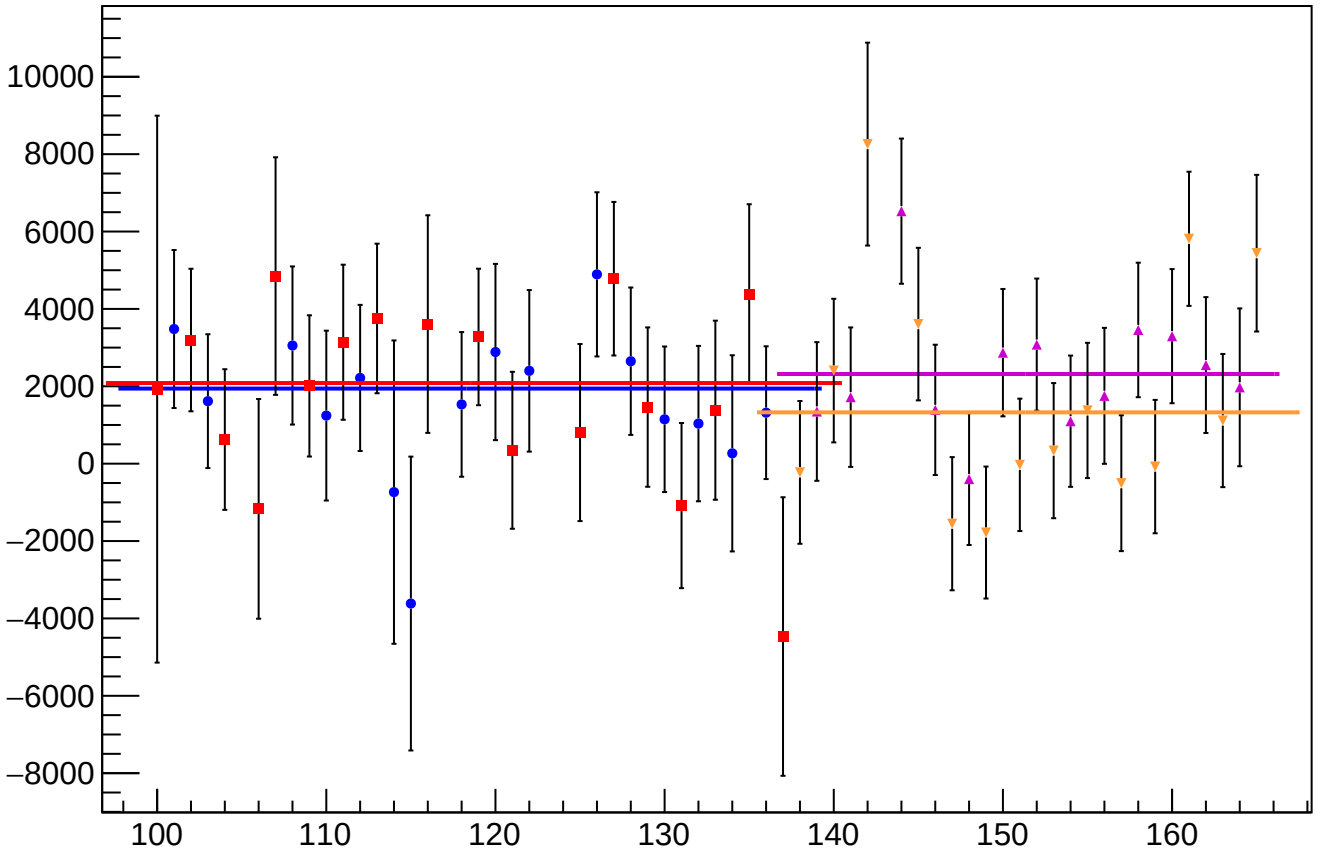
Left: 0.000+/-0.000 χ^2/NDF: 3873930.1/26

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4065362.6/28

Out: 0.000+/-0.000 χ^2/NDF:6171633.7/31

All: 0.000+/-0.000 χ^2/NDF: 10528029.8/60



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.493+/-485.656 χ^2/NDF:29.0/13

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2317.480+/-487.224 χ^2/NDF:10.0/12

Left: 1820.390+/-343.964 χ^2/NDF: 41.1/26

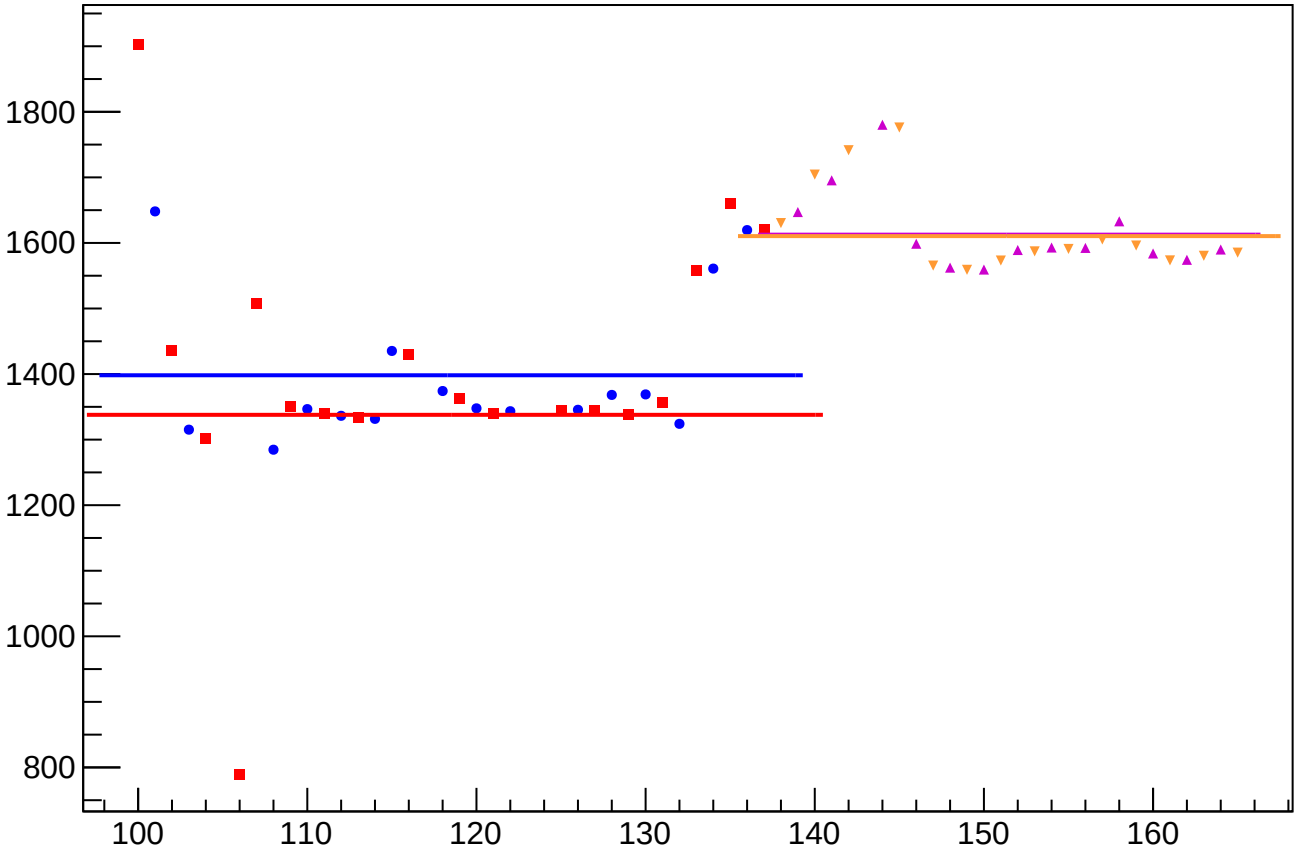
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2142.249+/-356.235 χ^2/NDF:17.2/28

Out: 1679.687+/-354.799 χ^2/NDF:44.6/31

All: 1910.034+/-251.387 χ^2/NDF: 62.7/60

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

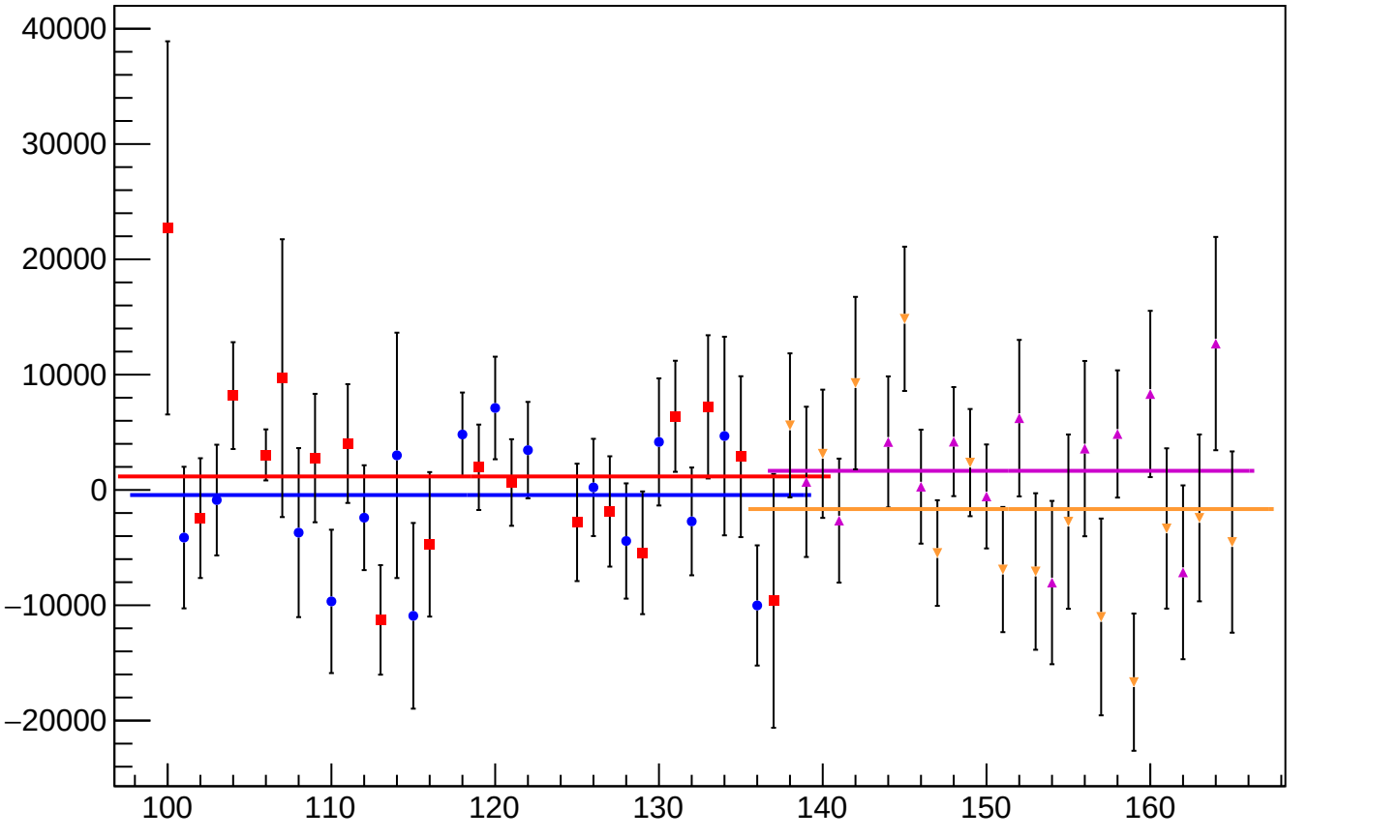
Left: 1611.523+/-0.243 χ^2/NDF: 59042.2/26

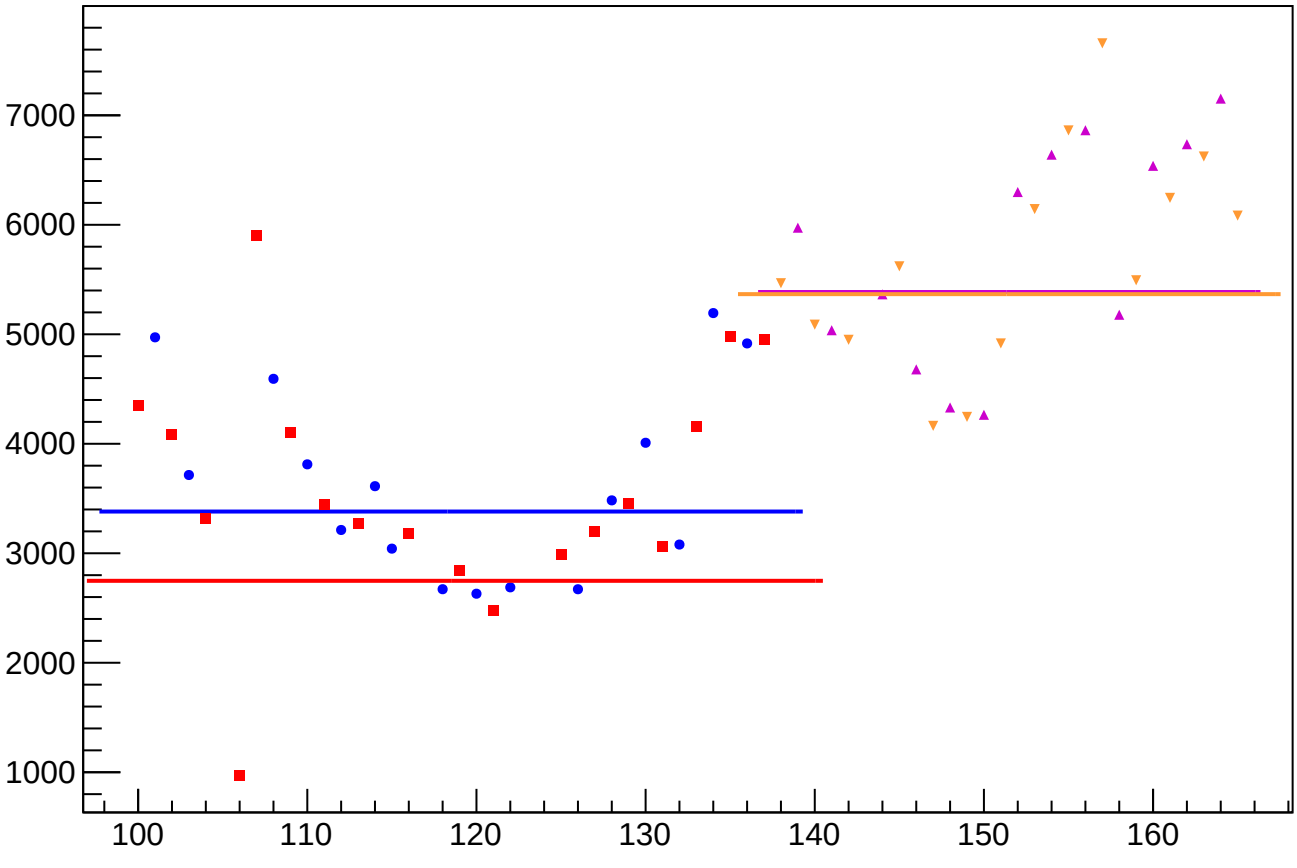
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1512.814+/-0.252 χ^2/NDF:302127.4/28

Out: 1478.989+/-0.247 χ^2/NDF:652752.7/31

All: 1495.578+/-0.176 χ^2/NDF: 964068.2/60


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
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1657.344+/-1651.903 χ²/NDF:22.0/13
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1659.168+/-1656.846 χ²/NDF:7.8/12
Left: -4.043+/-1169.816 χ²/NDF: 31.8/26
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 356.064+/-1020.764 χ²/NDF:24.7/28
Out: 280.783+/-926.954 χ²/NDF:43.7/31
All: 314.806+/-686.229 χ²/NDF: 68.4/60



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5366.671+/-1.168 χ^2/NDF:641589.2/13

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5386.174+/-1.172 χ^2/NDF:654312.8/12

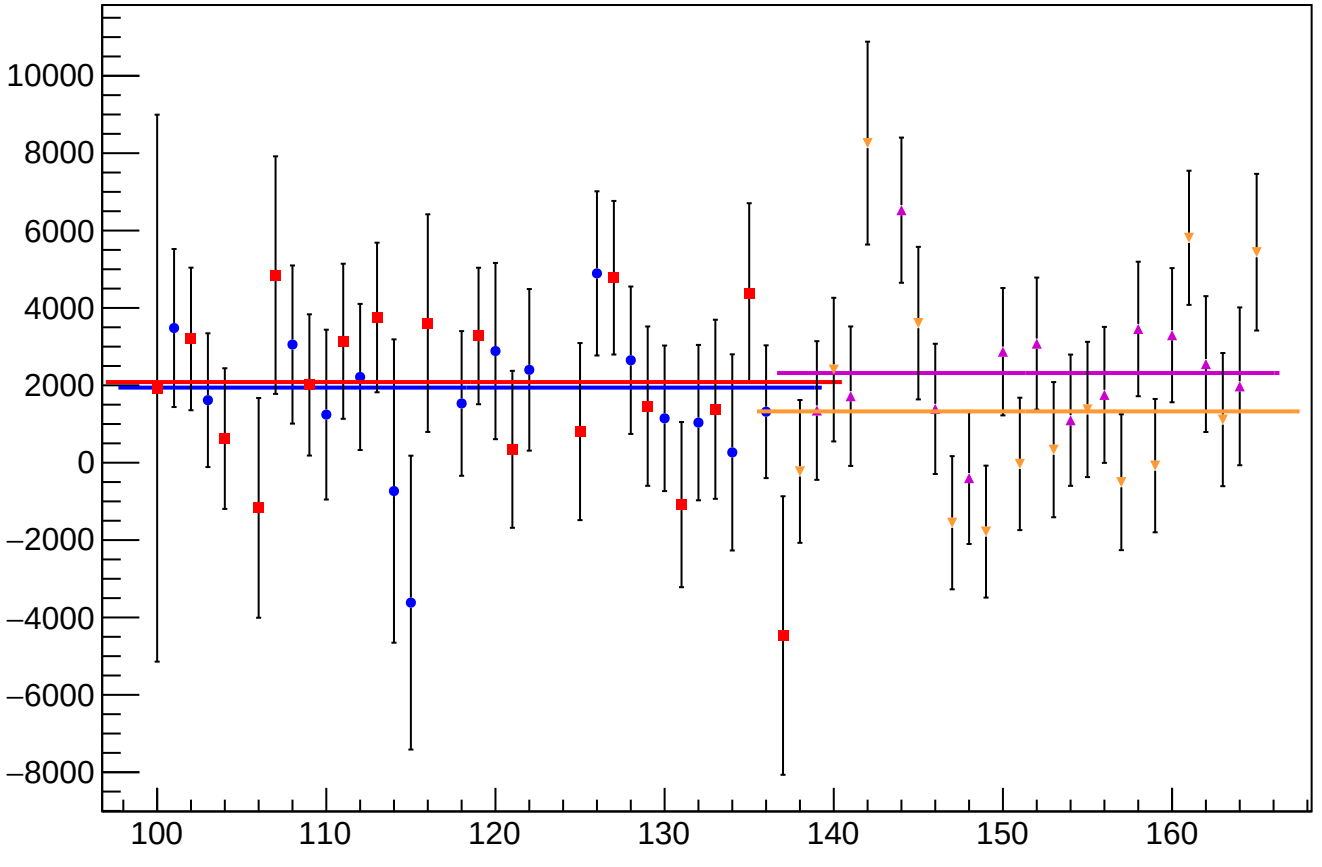
Left: 5376.393+/-0.827 χ^2/NDF: 1296041.0/26

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4142.166+/-0.722 χ^2/NDF:3228711.7/28

Out: 3572.826+/-0.655 χ^2/NDF:6348583.3/31

All: 3830.138+/-0.485 χ^2/NDF: 9918287.8/60



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.559+/-485.656 χ^2/NDF:29.0/13

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2317.602+/-487.224 χ^2/NDF:10.0/12

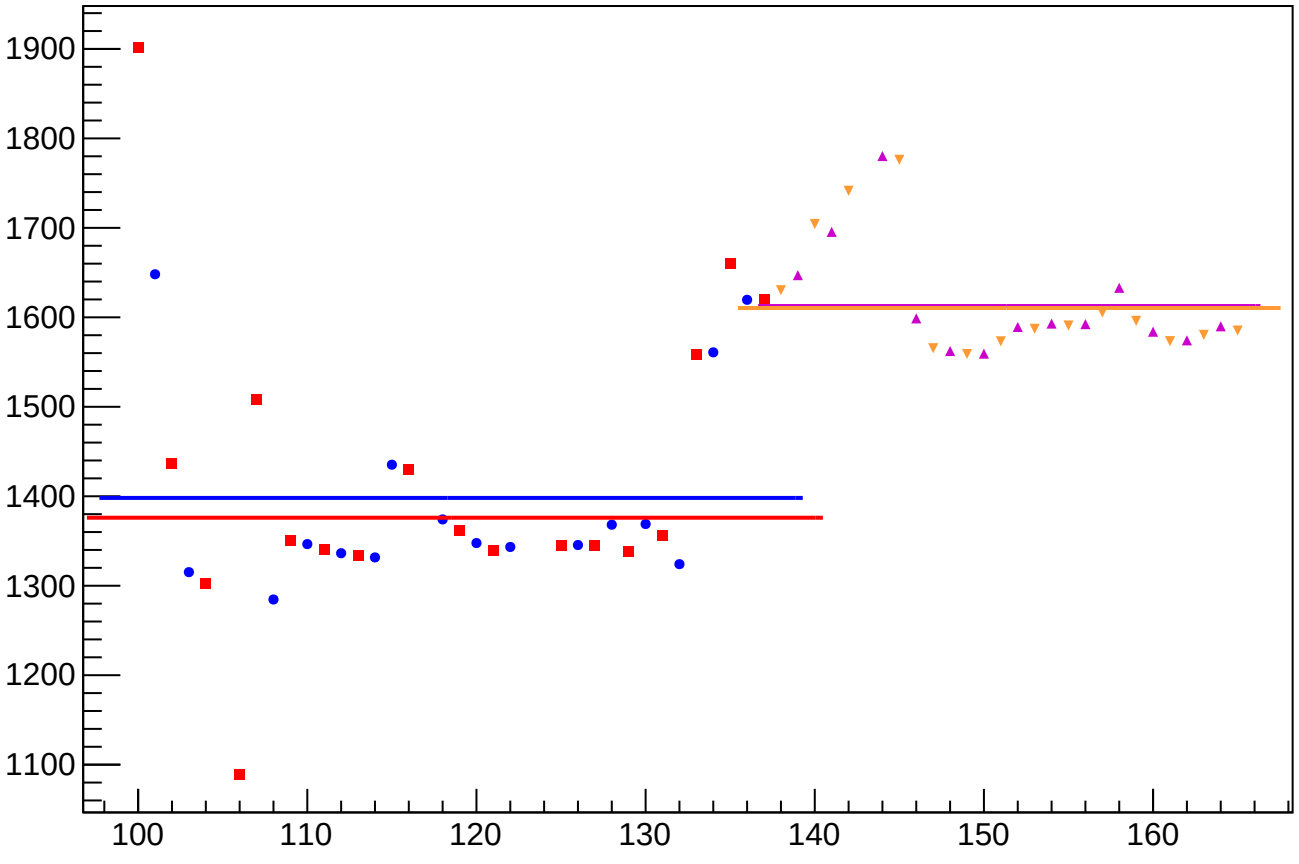
Left: 1820.484+/-343.964 χ^2/NDF: 41.1/26

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2142.340+/-356.235 χ^2/NDF:17.2/28

Out: 1679.820+/-354.800 χ^2/NDF:44.6/31

All: 1910.147+/-251.387 χ^2/NDF: 62.7/60



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

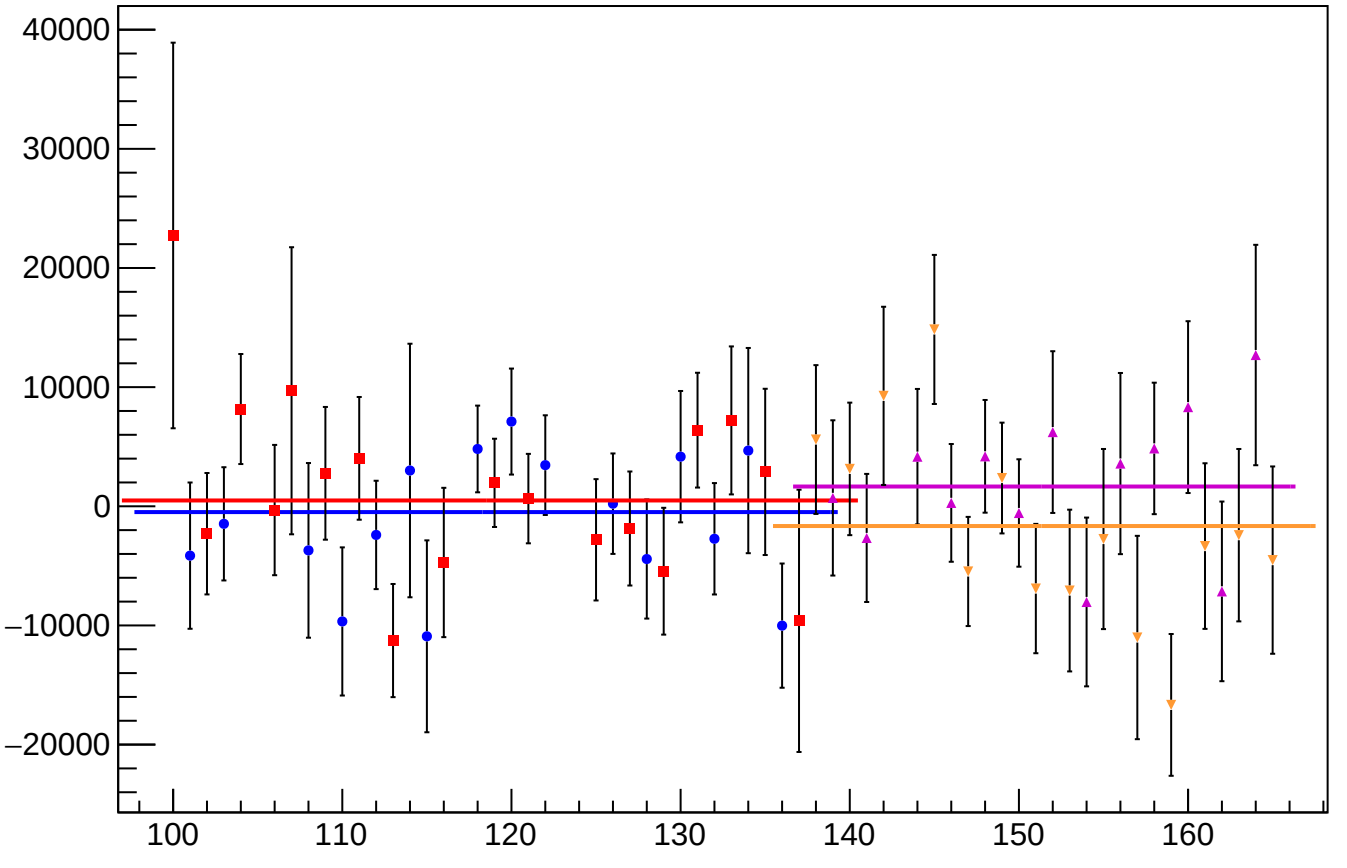
Left: 1611.523+/-0.243 χ^2/NDF: 59042.2/26

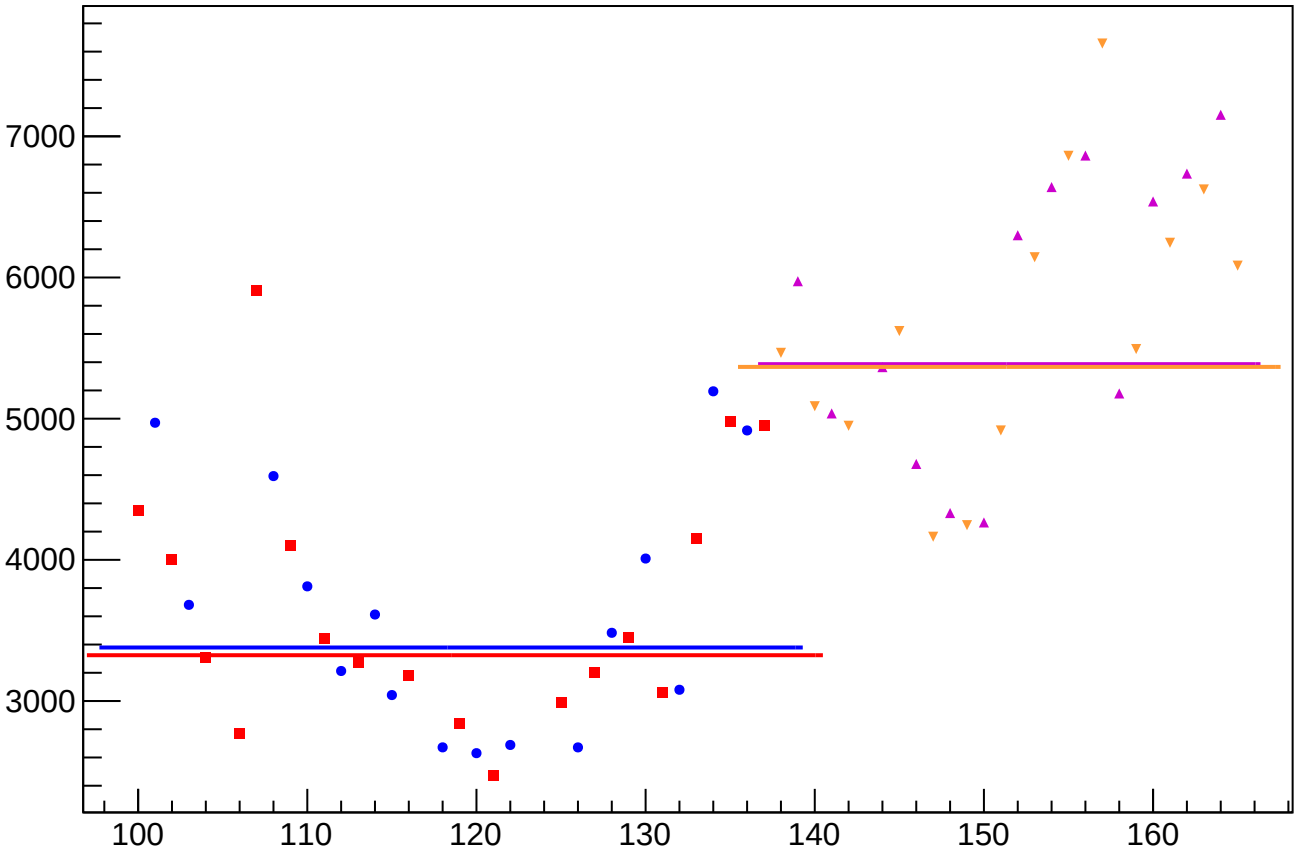
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.814+/-0.252 χ^2/NDF:302127.6/28

Out: 1499.561+/-0.249 χ^2/NDF:365559.5/31

All: 1506.119+/-0.177 χ^2/NDF: 669085.4/60


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -486.563+/-1294.930 χ²/NDF: 15.9/15
Left Out: -1657.372+/-1651.903 χ²/NDF:22.0/13
Right Out: 488.594+/-1261.315 χ²/NDF: 18.7/17
Left In: 1659.285+/-1656.845 χ²/NDF:7.8/12
Left: -3.997+/-1169.815 χ²/NDF: 31.8/26
Right: 13.837+/-903.535 χ²/NDF: 35.0/33
In: 327.157+/-1020.281 χ²/NDF:24.8/28
Out: -301.751+/-1002.493 χ²/NDF:41.8/31
All: 7.173+/-715.076 χ²/NDF: 66.8/60



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5366.672+/-1.168 χ^2/NDF:641586.0/13

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

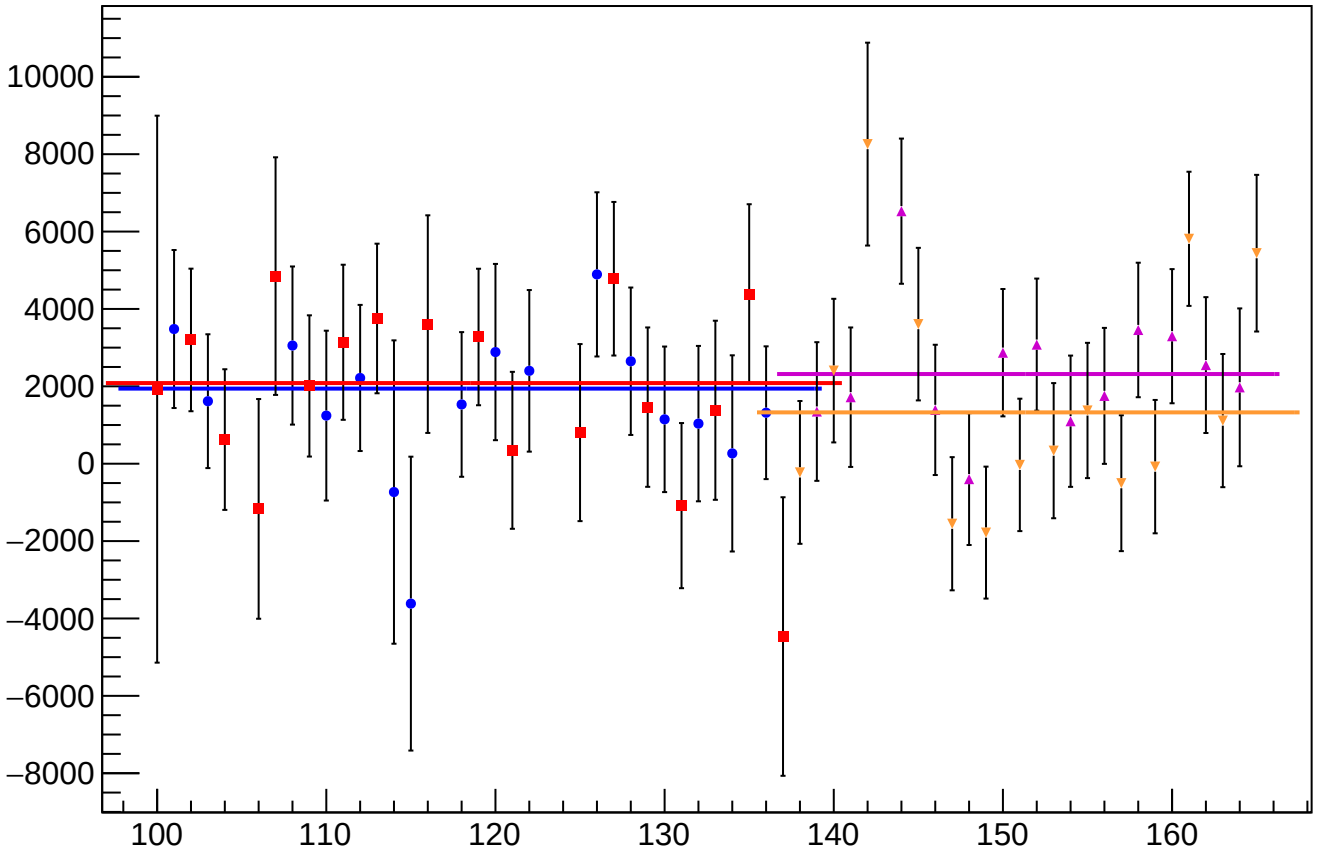
Left: 5376.392+/-0.827 χ^2/NDF: 1296045.9/26

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4140.200+/-0.721 χ^2/NDF:3231598.6/28

Out: 4076.586+/-0.709 χ^2/NDF:3116401.2/31

All: 4107.834+/-0.506 χ^2/NDF: 6351955.6/60



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.559+/-485.656 χ^2/NDF:29.0/13

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2317.602+/-487.224 χ^2/NDF:10.0/12

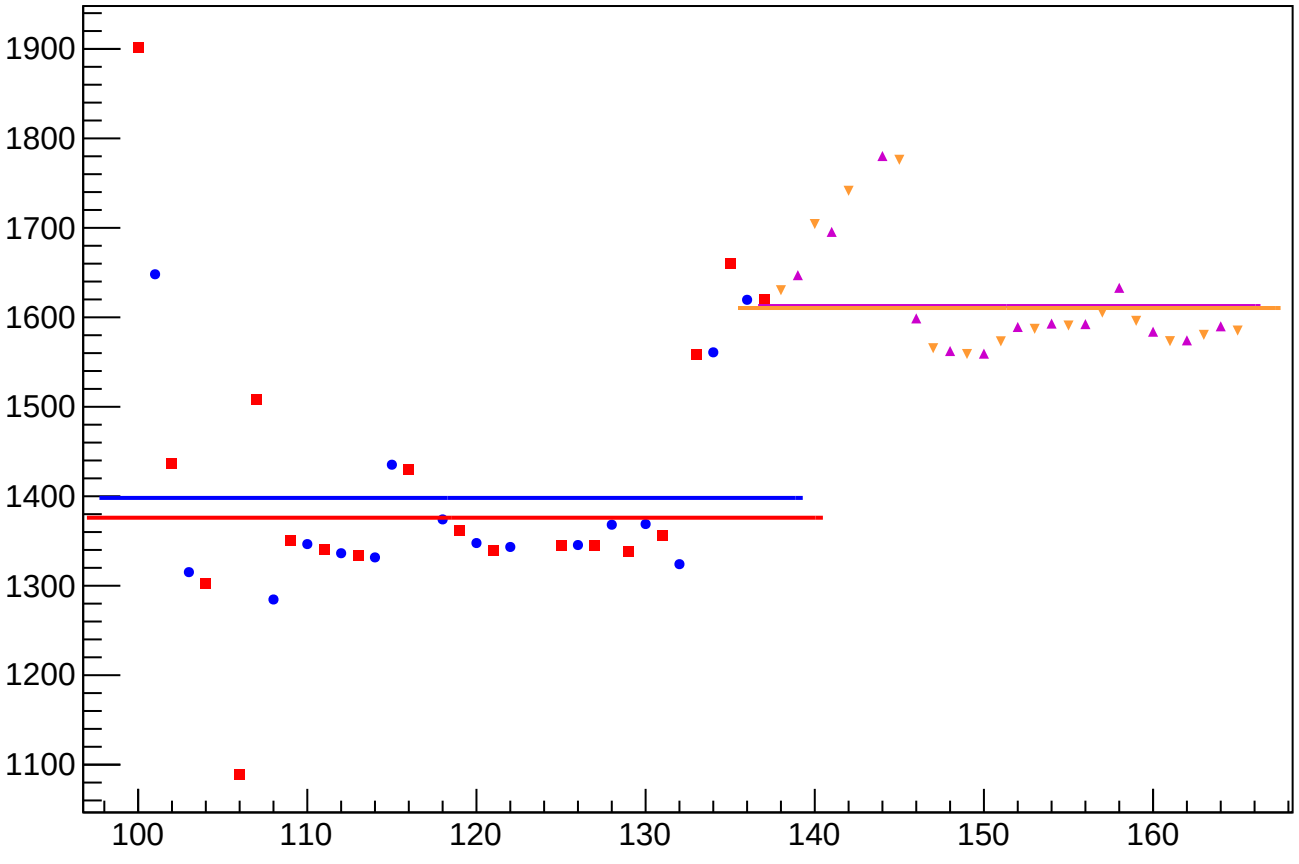
Left: 1820.484+/-343.964 χ^2/NDF: 41.1/26

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2142.340+/-356.235 χ^2/NDF:17.2/28

Out: 1679.820+/-354.800 χ^2/NDF:44.6/31

All: 1910.147+/-251.387 χ^2/NDF: 62.7/60



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

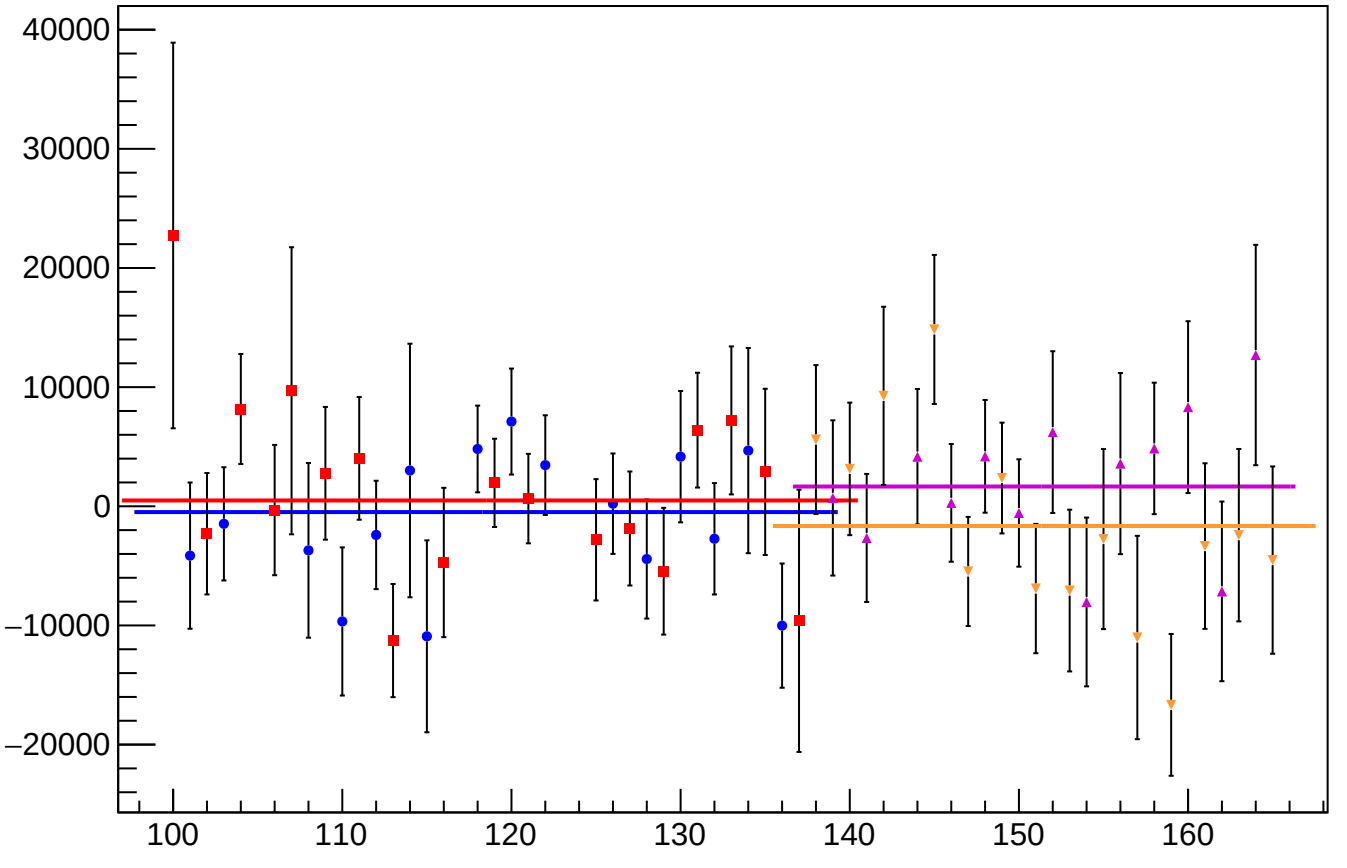
Left: 1611.523+/-0.243 χ^2/NDF: 59042.2/26

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.814+/-0.252 χ^2/NDF:302127.6/28

Out: 1499.561+/-0.249 χ^2/NDF:365559.5/31

All: 1506.119+/-0.177 χ^2/NDF: 669085.4/60



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1657.372+/-1651.903 χ^2/NDF:22.0/13

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1659.285+/-1656.845 χ^2/NDF:7.8/12

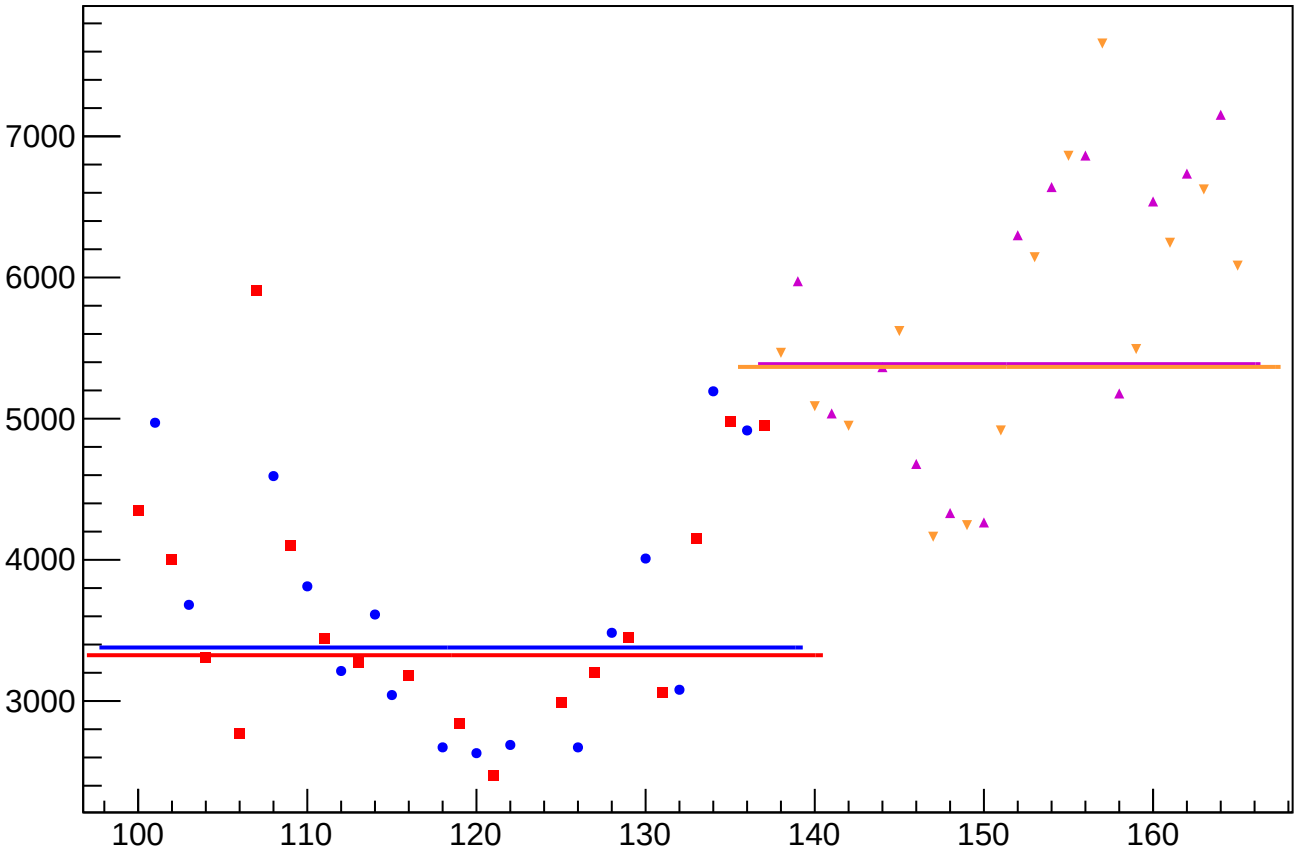
Left: -3.997+/-1169.815 χ^2/NDF: 31.8/26

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 327.157+/-1020.281 χ^2/NDF:24.8/28

Out: -301.751+/-1002.493 χ^2/NDF:41.8/31

All: 7.173+/-715.076 χ^2/NDF: 66.8/60



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5366.672+/-1.168 χ^2/NDF:641586.0/13

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

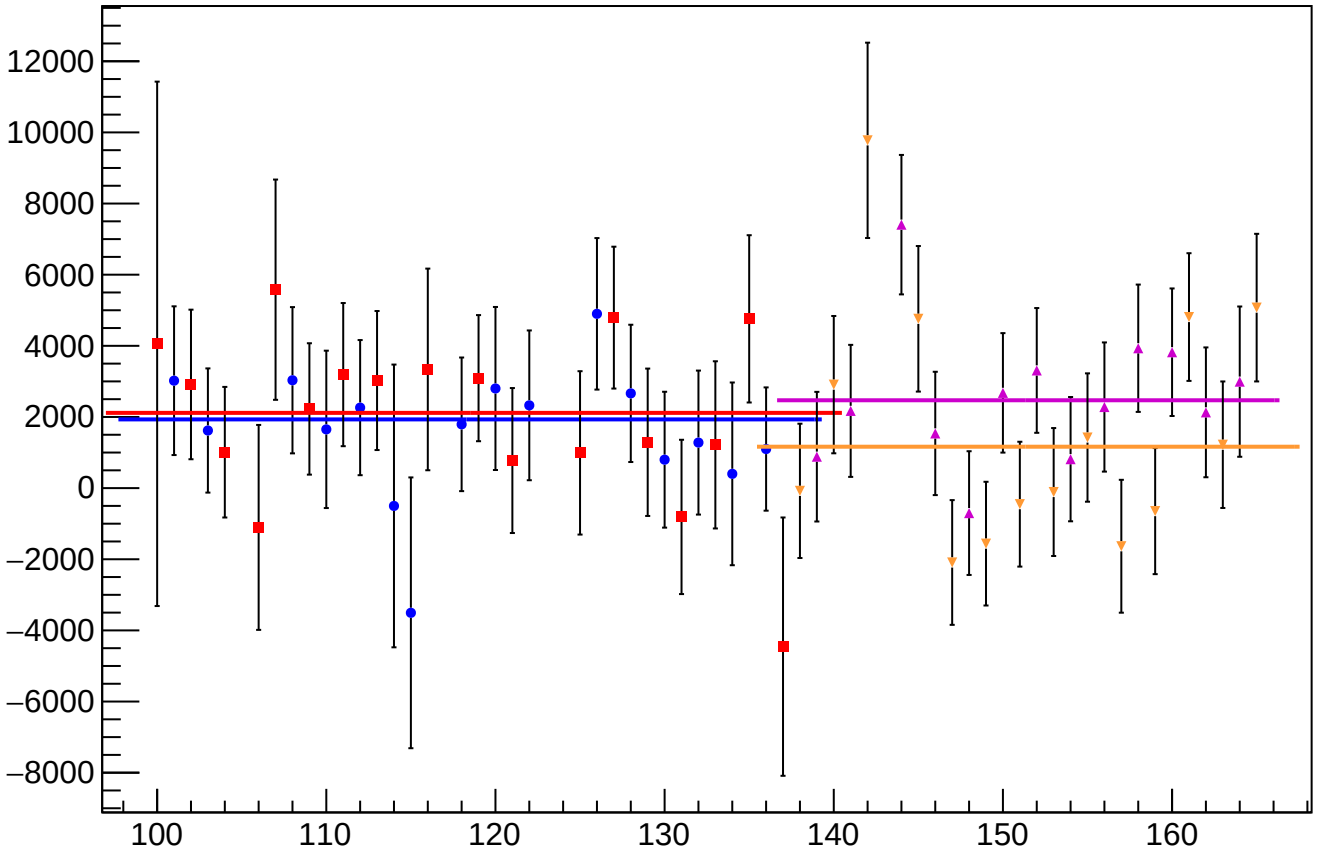
Left: 5376.392+/-0.827 χ^2/NDF: 1296045.9/26

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4140.200+/-0.721 χ^2/NDF:3231598.6/28

Out: 4076.586+/-0.709 χ^2/NDF:3116401.2/31

All: 4107.834+/-0.506 χ^2/NDF: 6351955.6/60



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1164.108+/-501.144 χ^2/NDF:32.4/13

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2469.619+/-501.649 χ^2/NDF:13.2/12

Left: 1816.206+/-354.541 χ^2/NDF: 49.0/26

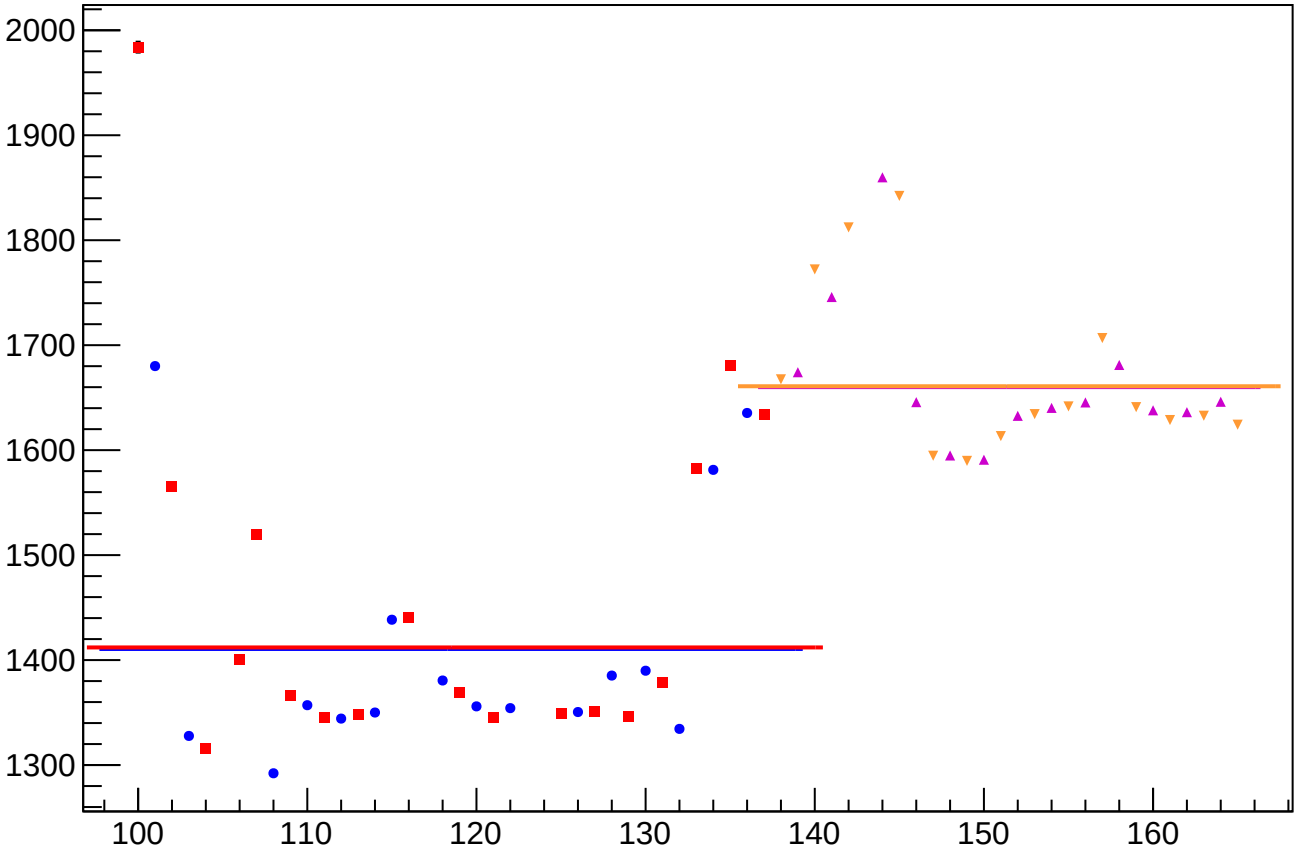
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.900+/-363.395 χ^2/NDF:20.1/28

Out: 1614.129+/-363.747 χ^2/NDF:47.3/31

All: 1914.304+/-257.084 χ^2/NDF: 68.8/60

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1660.868+/-0.354 χ^2/NDF:40009.6/13

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1660.056+/-0.355 χ^2/NDF:33407.8/12

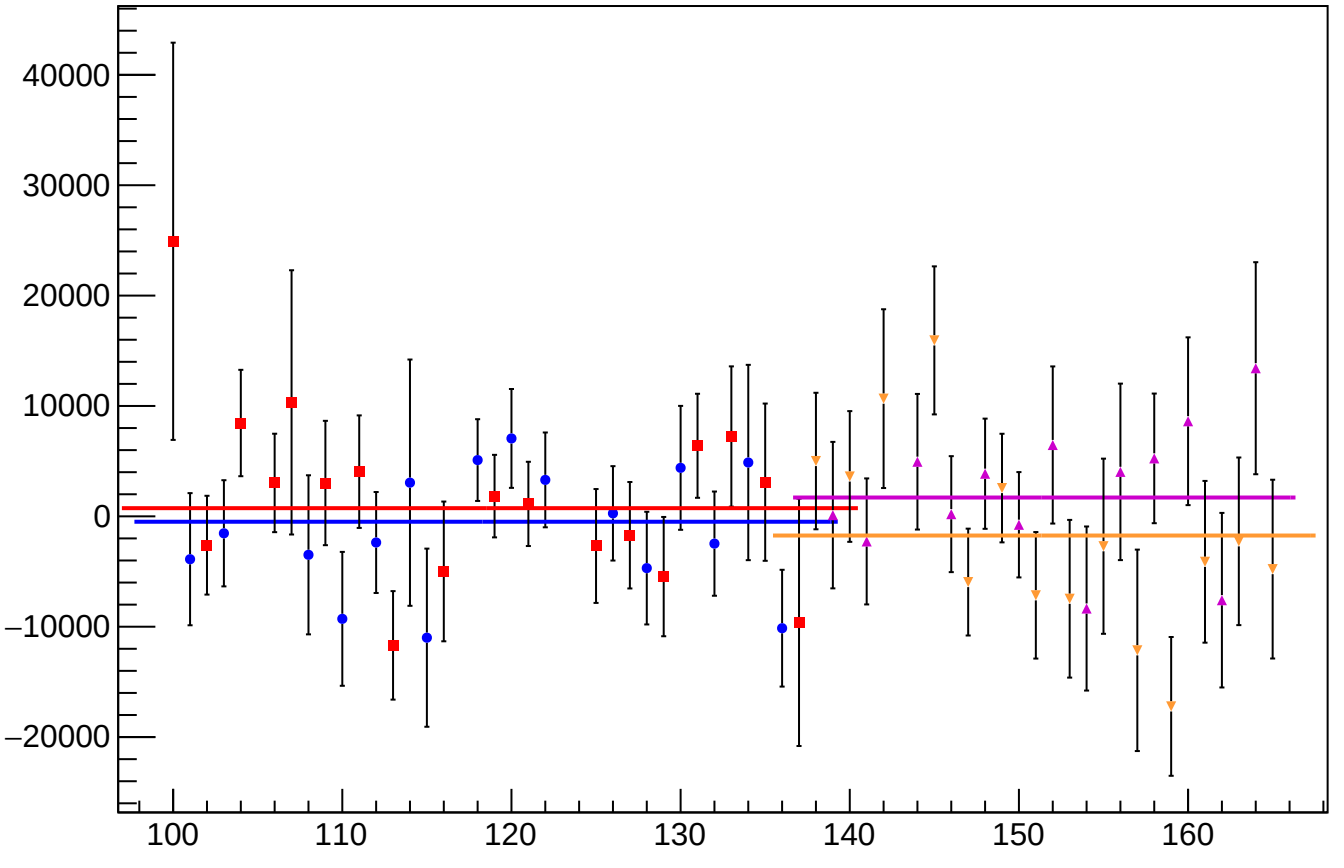
Left: 1660.463+/-0.251 χ^2/NDF: 73420.1/26

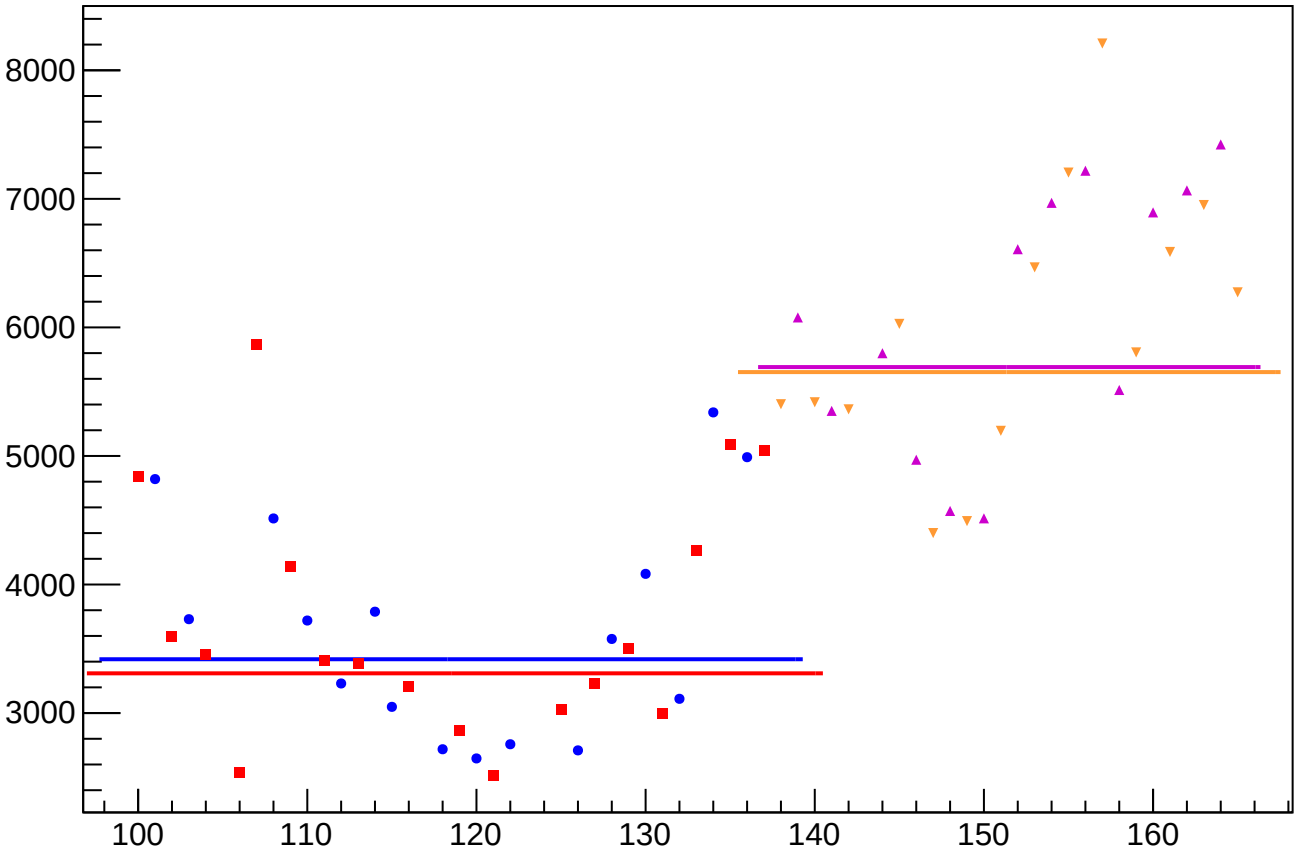
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1541.502+/-0.257 χ^2/NDF:367601.9/28

Out: 1542.804+/-0.257 χ^2/NDF:363657.5/31

All: 1542.153+/-0.182 χ^2/NDF: 731272.2/60


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -1738.005+/-1739.270 χ²/NDF:22.0/13
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 1705.223+/-1749.391 χ²/NDF:7.8/12
Left: -26.381+/-1233.412 χ²/NDF: 31.7/26
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: 298.078+/-1047.916 χ²/NDF:24.6/28
Out: -101.777+/-1013.947 χ²/NDF:42.5/31
All: 91.564+/-728.682 χ²/NDF: 67.2/60



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5652.424+/-1.230 χ^2/NDF:636294.5/13

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5691.467+/-1.237 χ^2/NDF:616930.0/12

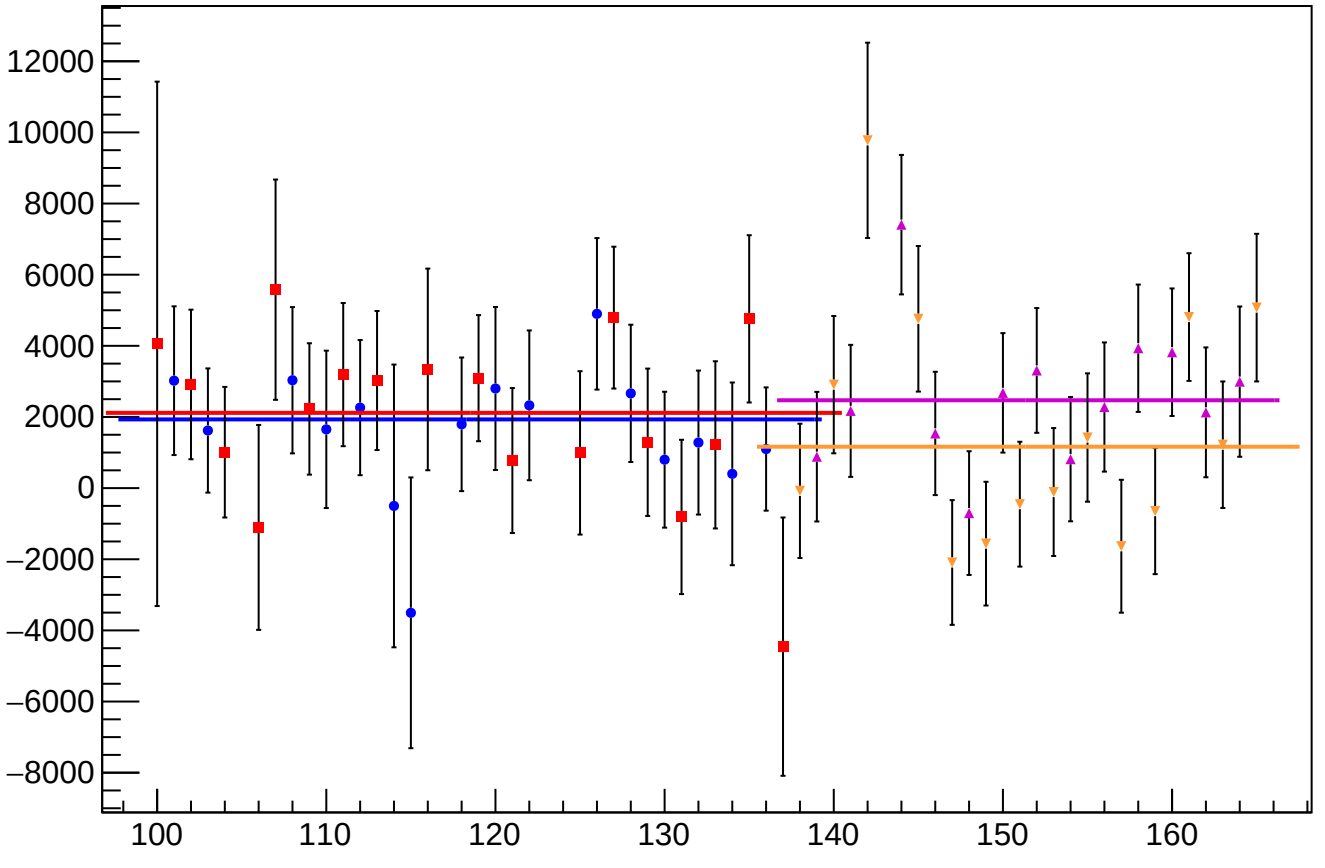
Left: 5671.832+/-0.872 χ^2/NDF: 1253725.5/26

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4234.219+/-0.741 χ^2/NDF:3502577.1/28

Out: 4105.504+/-0.717 χ^2/NDF:3604827.0/31

All: 4167.741+/-0.515 χ^2/NDF: 7122988.3/60



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1164.101+/-501.144 χ^2/NDF:32.4/13

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2469.621+/-501.649 χ^2/NDF:13.2/12

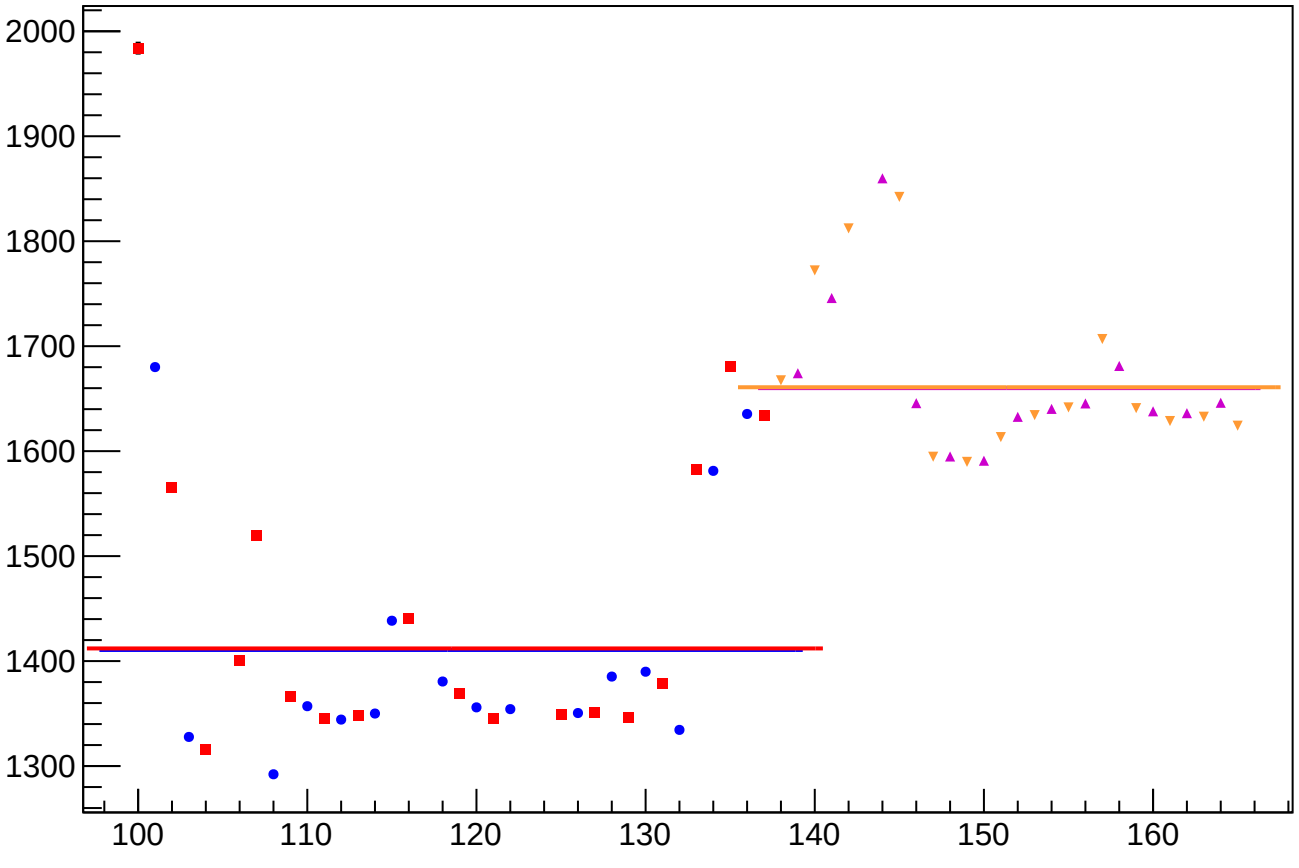
Left: 1816.203+/-354.541 χ^2/NDF: 49.0/26

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.901+/-363.396 χ^2/NDF:20.1/28

Out: 1614.125+/-363.747 χ^2/NDF:47.3/31

All: 1914.303+/-257.084 χ^2/NDF: 68.8/60



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1660.870+/-0.354 χ^2/NDF:40010.3/13

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1660.058+/-0.355 χ^2/NDF:33408.2/12

Left: 1660.464+/-0.251 χ^2/NDF: 73421.2/26

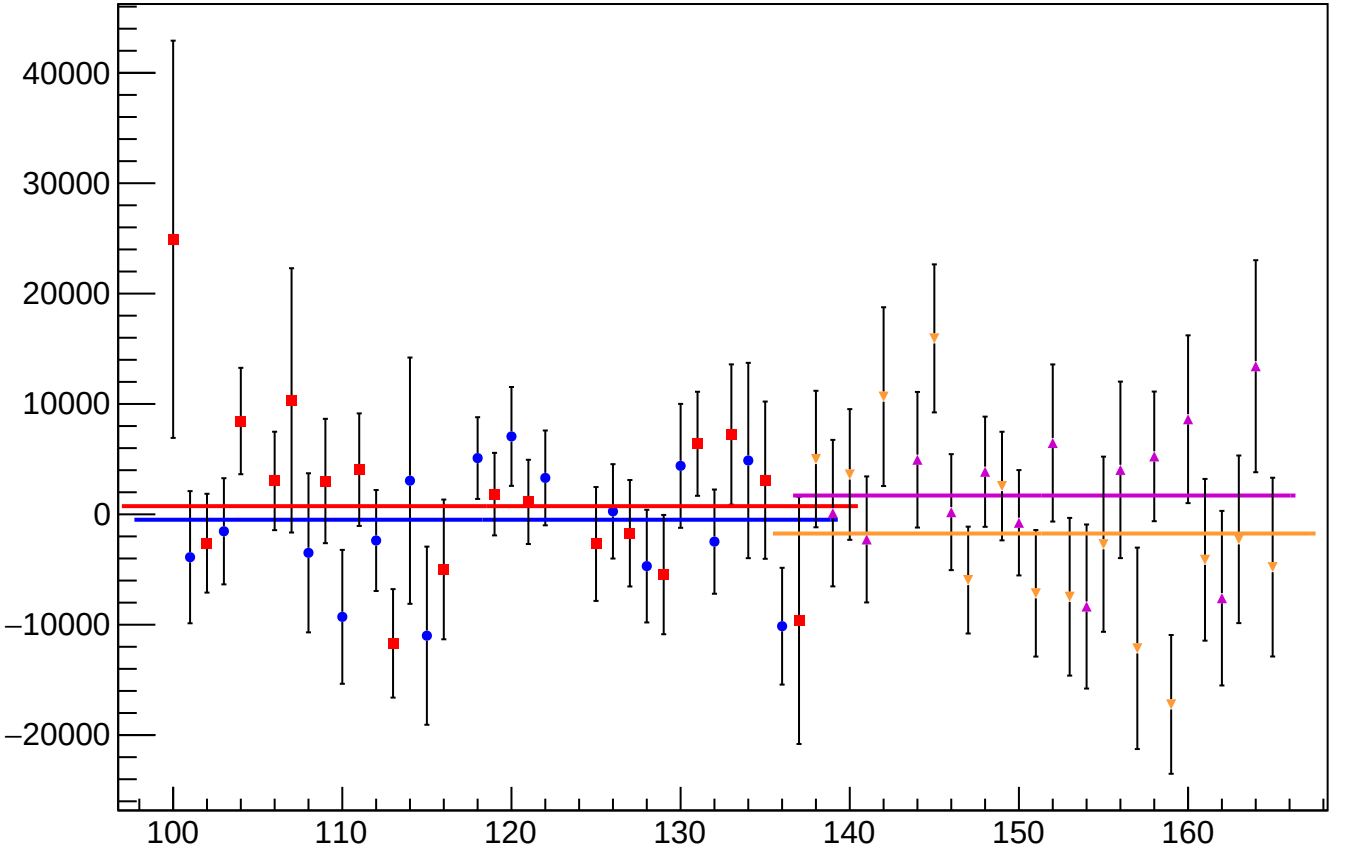
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1541.503+/-0.257 χ^2/NDF:367604.6/28

Out: 1542.804+/-0.257 χ^2/NDF:363661.2/31

All: 1542.154+/-0.182 χ^2/NDF: 731278.7/60

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1738.014+/-1739.272 χ^2/NDF:22.0/13

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1705.224+/-1749.394 χ^2/NDF:7.8/12

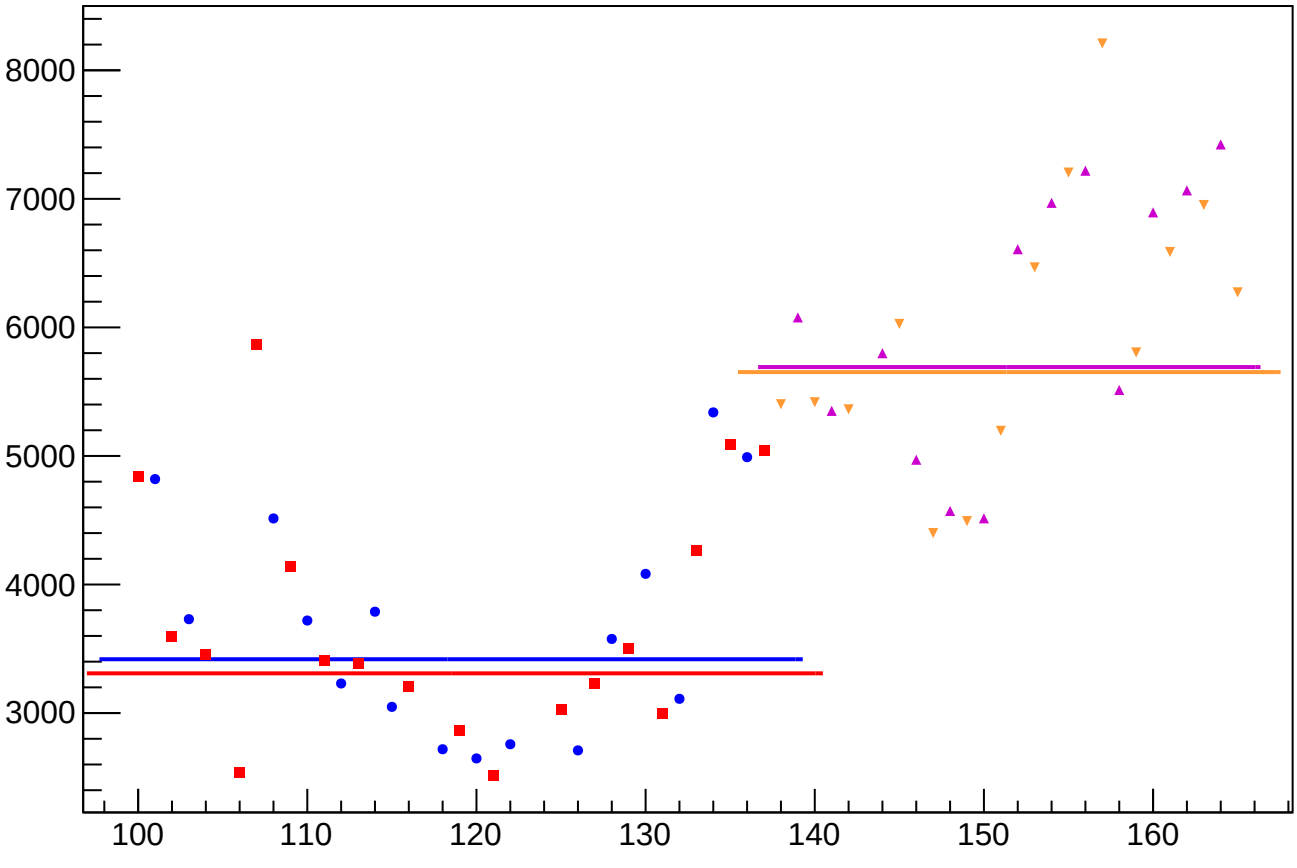
Left: -26.385+/-1233.414 χ^2/NDF: 31.7/26

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 298.079+/-1047.915 χ^2/NDF:24.6/28

Out: -101.774+/-1013.945 χ^2/NDF:42.5/31

All: 91.566+/-728.681 χ^2/NDF: 67.2/60



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5652.431+/-1.230 χ^2/NDF:636297.5/13

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5691.473+/-1.237 χ^2/NDF:616932.8/12

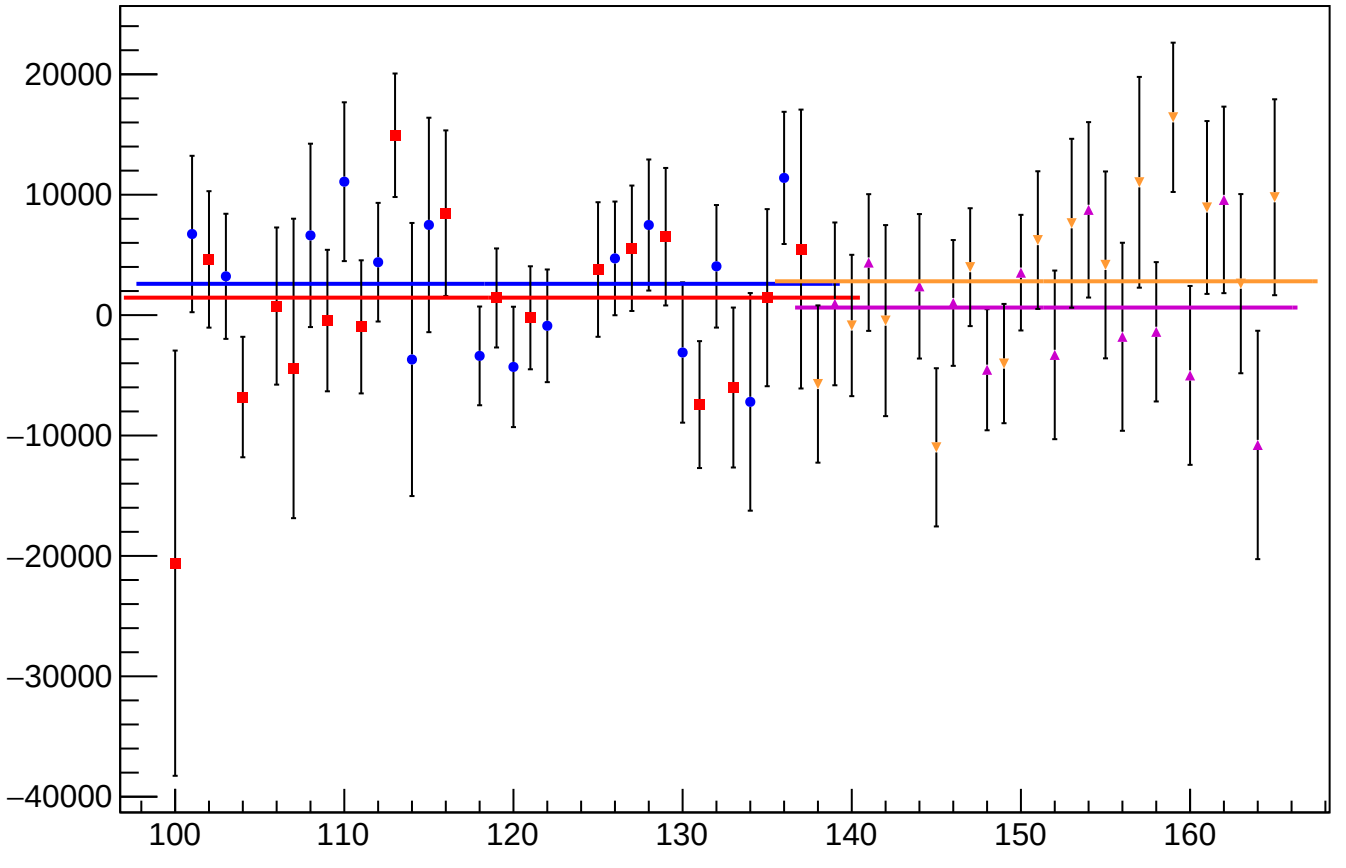
Left: 5671.839+/-0.872 χ^2/NDF: 1253731.2/26

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4234.210+/-0.741 χ^2/NDF:3502624.0/28

Out: 4105.495+/-0.717 χ^2/NDF:3604869.8/31

All: 4167.733+/-0.515 χ^2/NDF: 7123077.8/60



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2809.303+/-1732.548 χ^2/NDF:16.7/13

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 628.398+/-1736.557 χ^2/NDF:7.1/12

Left: 1721.371+/-1226.511 χ^2/NDF: 24.5/26

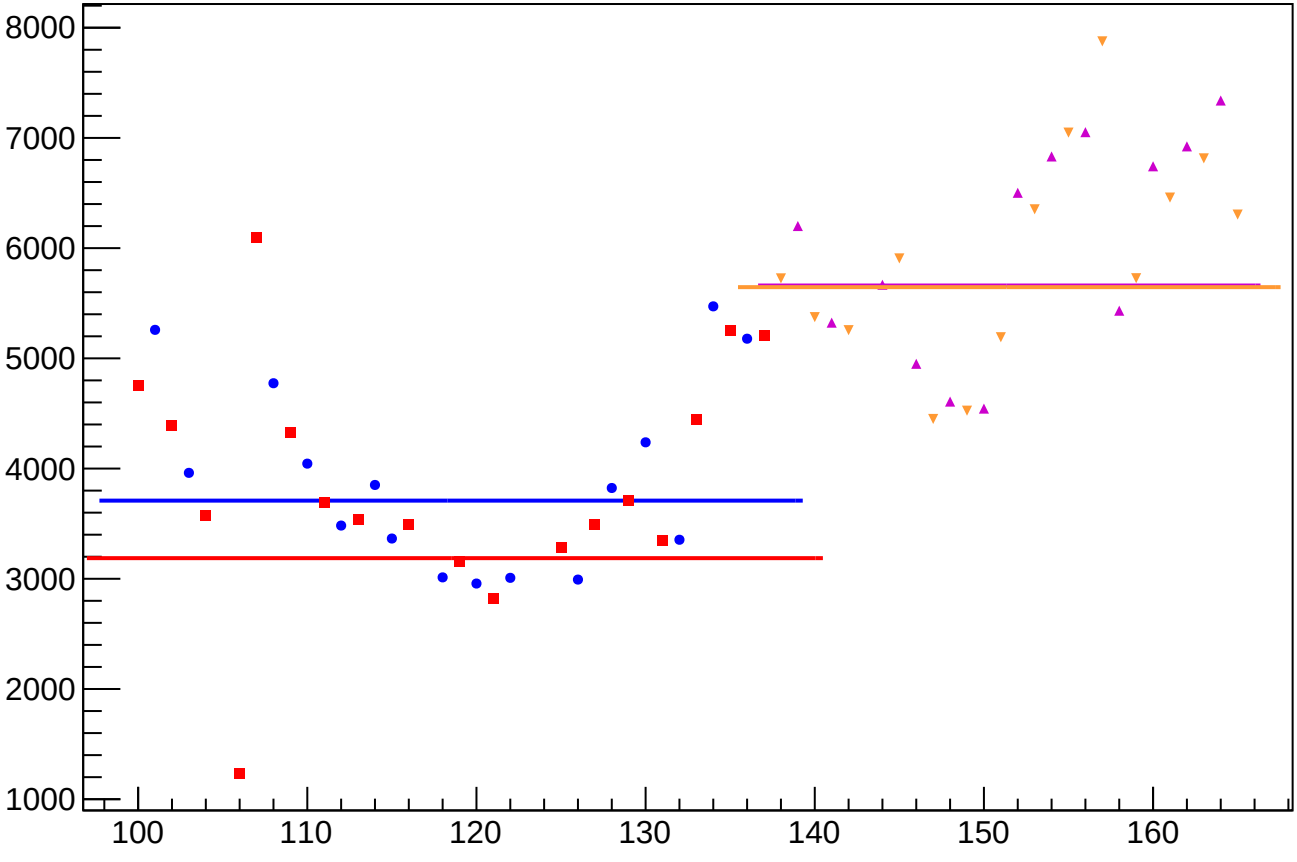
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1813.399+/-1096.715 χ^2/NDF:21.3/28

Out: 1979.211+/-1080.779 χ^2/NDF:36.1/31

All: 1897.519+/-769.798 χ^2/NDF: 57.4/60

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5645.996+/-1.225 χ^2/NDF:550767.2/13

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5660.921+/-1.228 χ^2/NDF:557947.2/12

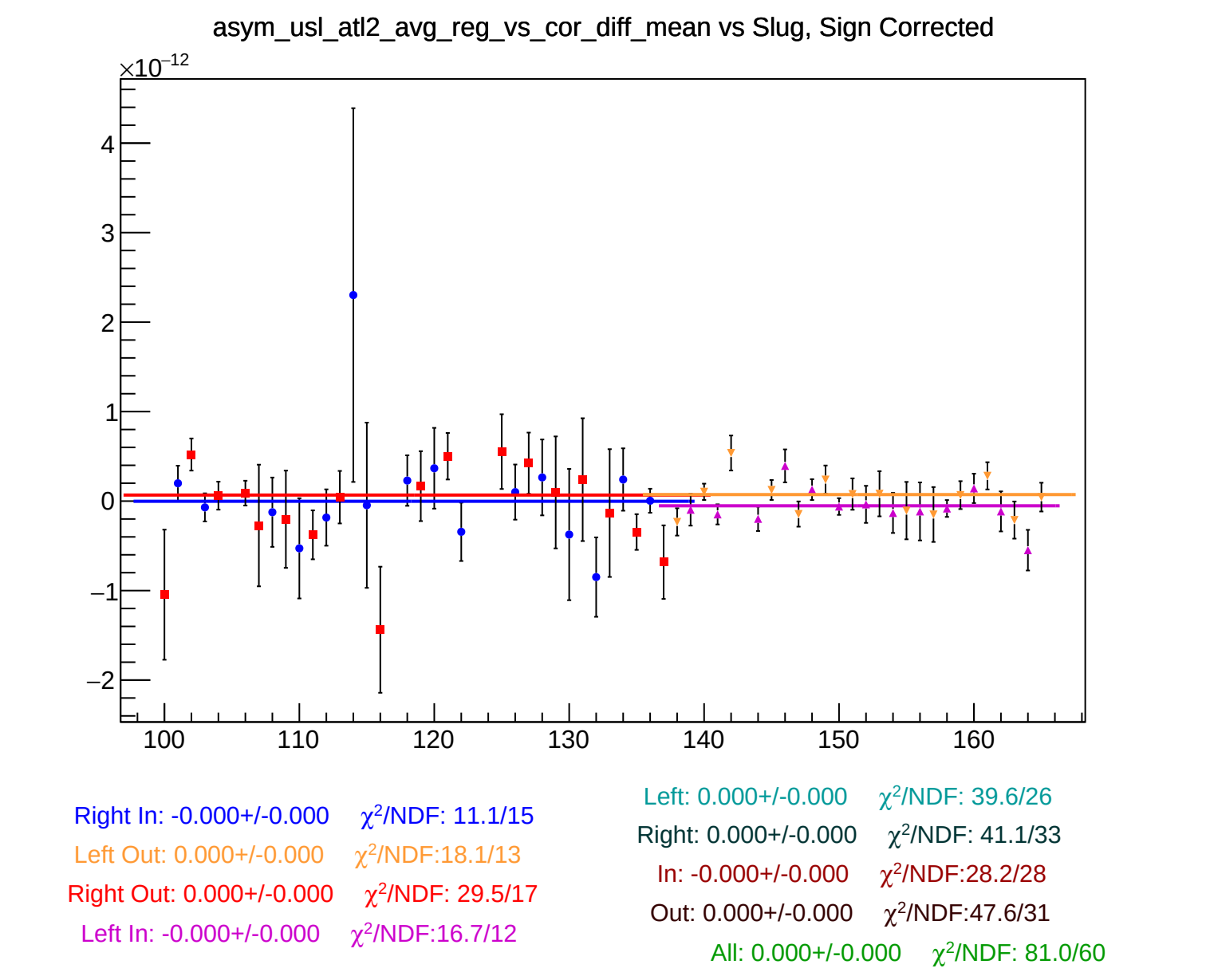
Left: 5653.441+/-0.867 χ^2/NDF: 1108788.4/26

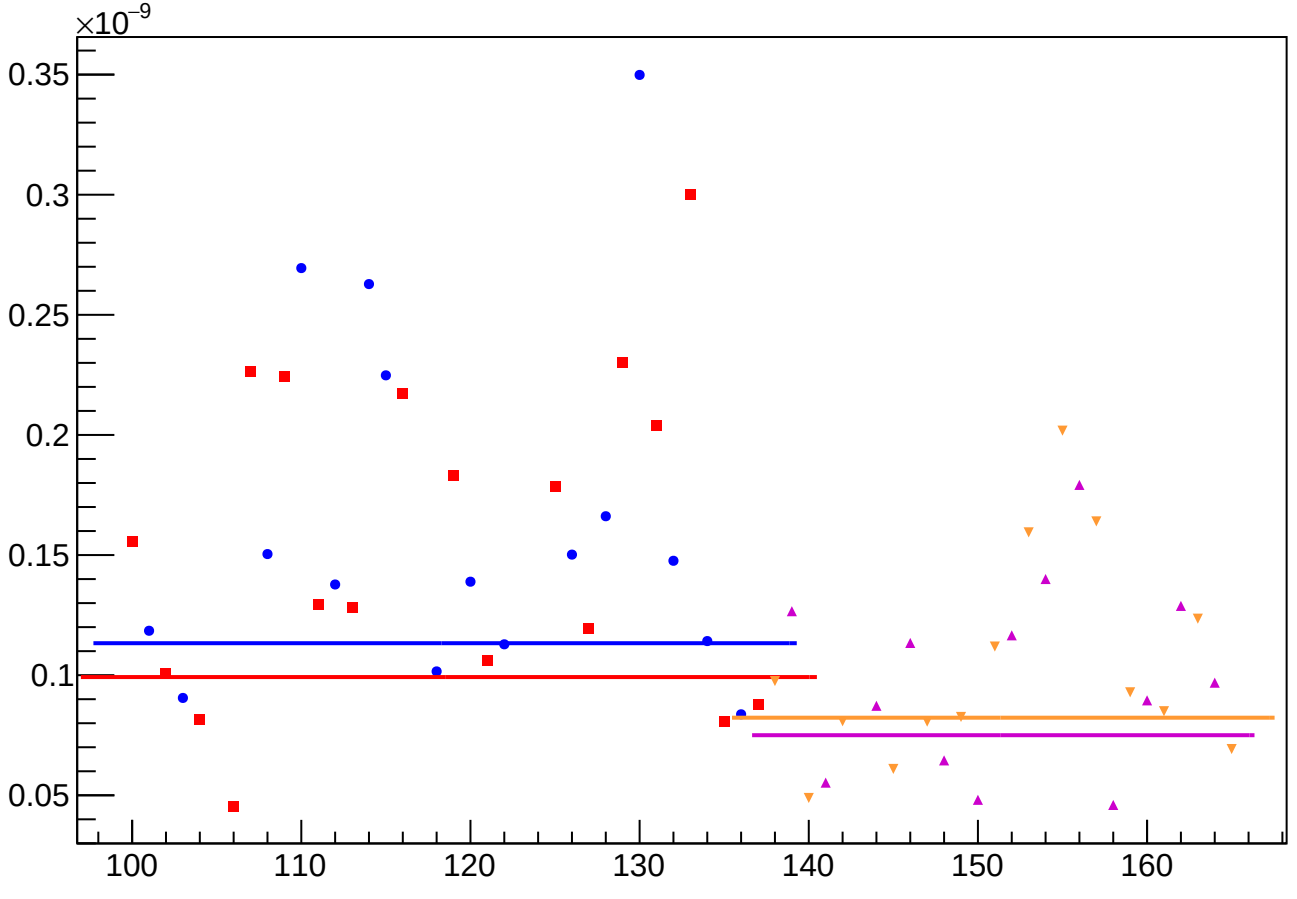
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4487.615+/-0.775 χ^2/NDF:2687351.6/28

Out: 4043.528+/-0.723 χ^2/NDF:4786849.3/31

All: 4250.030+/-0.529 χ^2/NDF: 7649641.9/60


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:16.7/12
Left: 0.000+/-0.000 χ²/NDF: 39.6/26
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:28.2/28
Out: 0.000+/-0.000 χ²/NDF:47.6/31
All: 0.000+/-0.000 χ²/NDF: 81.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1129423.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1312360.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2473650.7/26

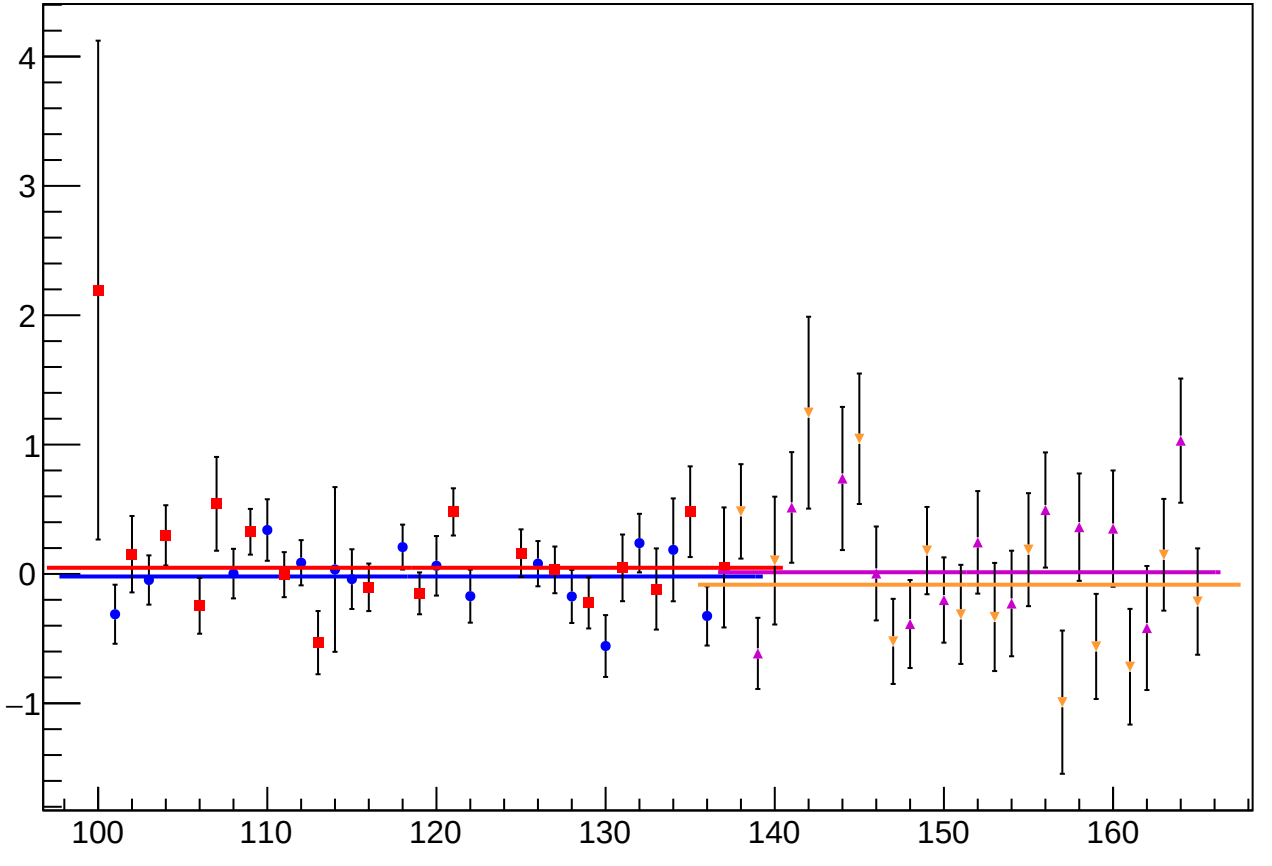
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2415369.4/28

Out: 0.000+/-0.000 χ^2/NDF:2324876.2/31

All: 0.000+/-0.000 χ^2/NDF: 4746691.0/60

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

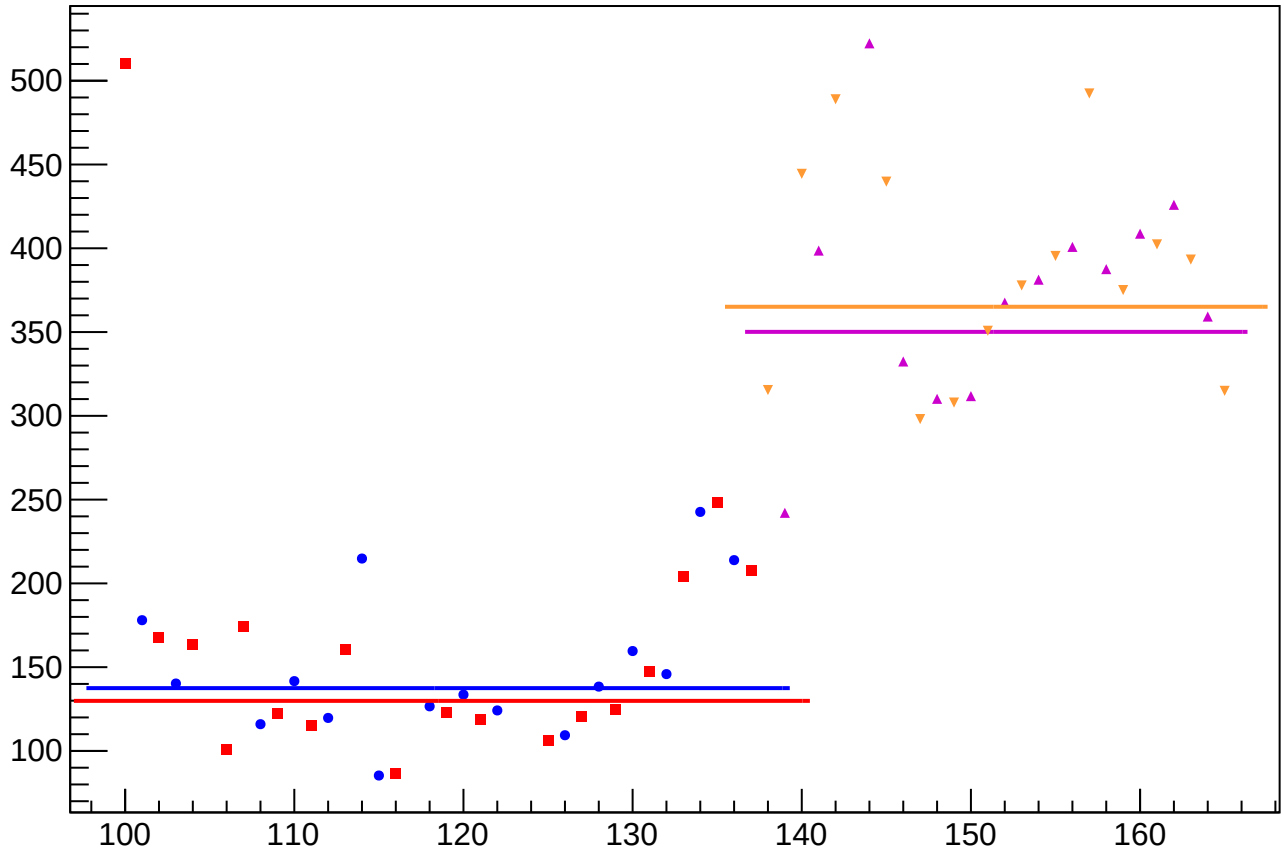
Left: -0.033+/-0.078 χ^2/NDF: 39.6/26

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.006+/-0.034 χ^2/NDF: 83.0/60



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 365.100+/-0.080 χ^2/NDF:502062.4/13

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

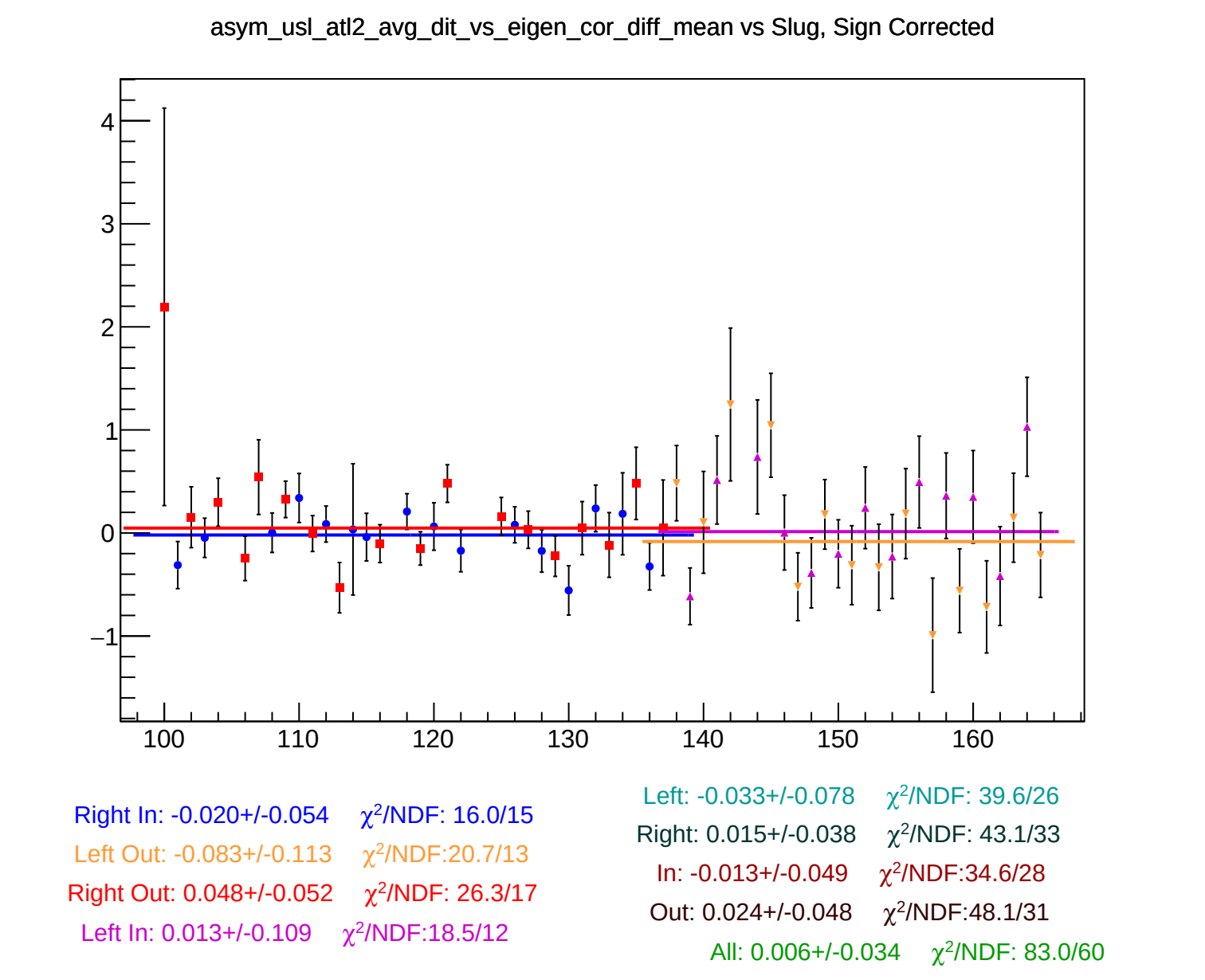
Left: 357.358+/-0.055 χ^2/NDF: 1249679.6/26

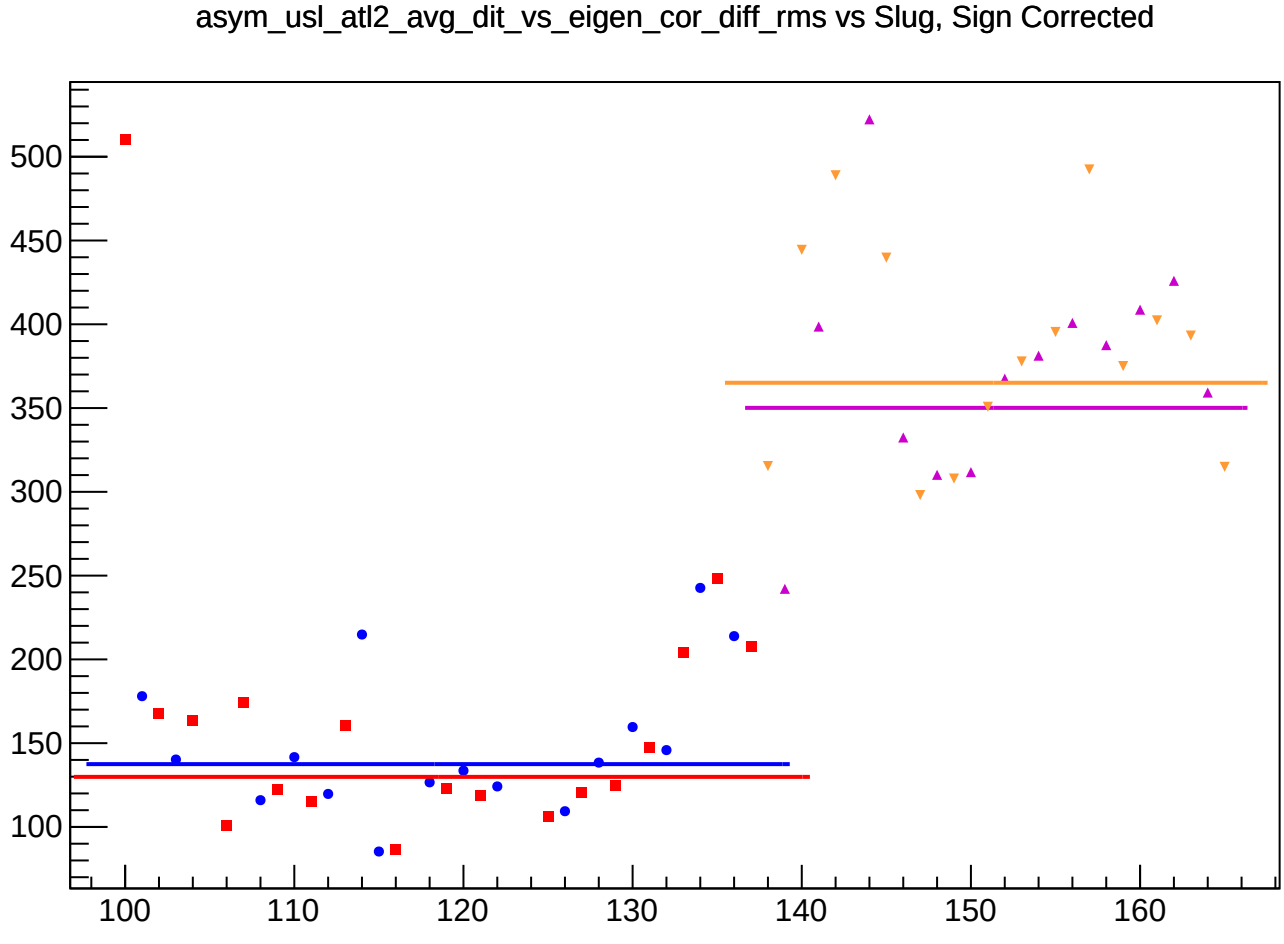
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 179.674+/-0.034 χ^2/NDF:7527231.4/28

Out: 171.820+/-0.034 χ^2/NDF:8494482.0/31

All: 175.670+/-0.024 χ^2/NDF: 16048418.3/60


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.083+/-0.113 χ²/NDF:20.7/13
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: 0.013+/-0.109 χ²/NDF:18.5/12
Left: -0.033+/-0.078 χ²/NDF: 39.6/26
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.013+/-0.049 χ²/NDF:34.6/28
Out: 0.024+/-0.048 χ²/NDF:48.1/31
All: 0.006+/-0.034 χ²/NDF: 83.0/60



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 365.100+/-0.080 χ^2/NDF:502062.4/13

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

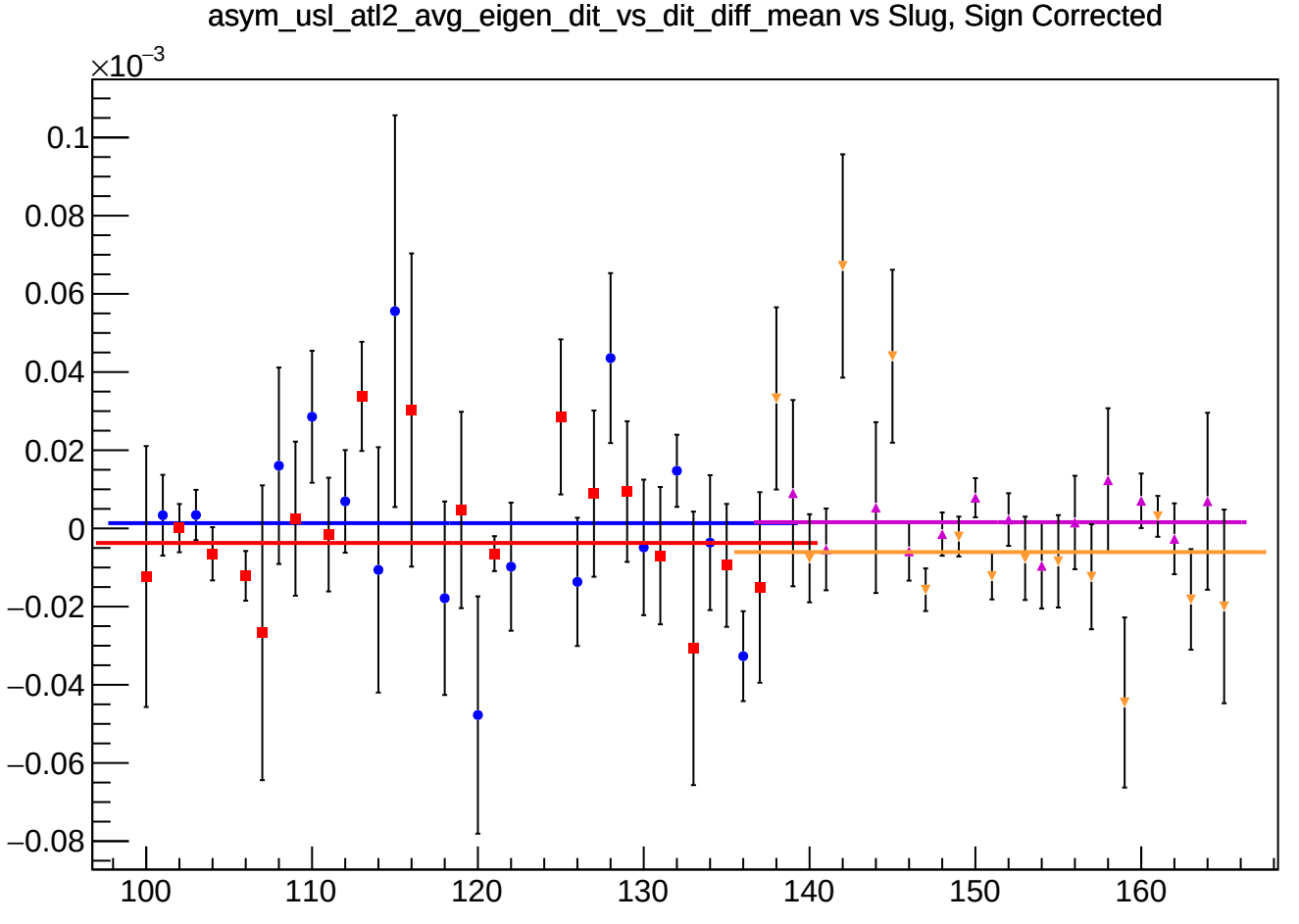
Left: 357.358+/-0.055 χ^2/NDF: 1249679.6/26

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 179.674+/-0.034 χ^2/NDF:7527231.4/28

Out: 171.820+/-0.034 χ^2/NDF:8494482.0/31

All: 175.670+/-0.024 χ^2/NDF: 16048418.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.7/12

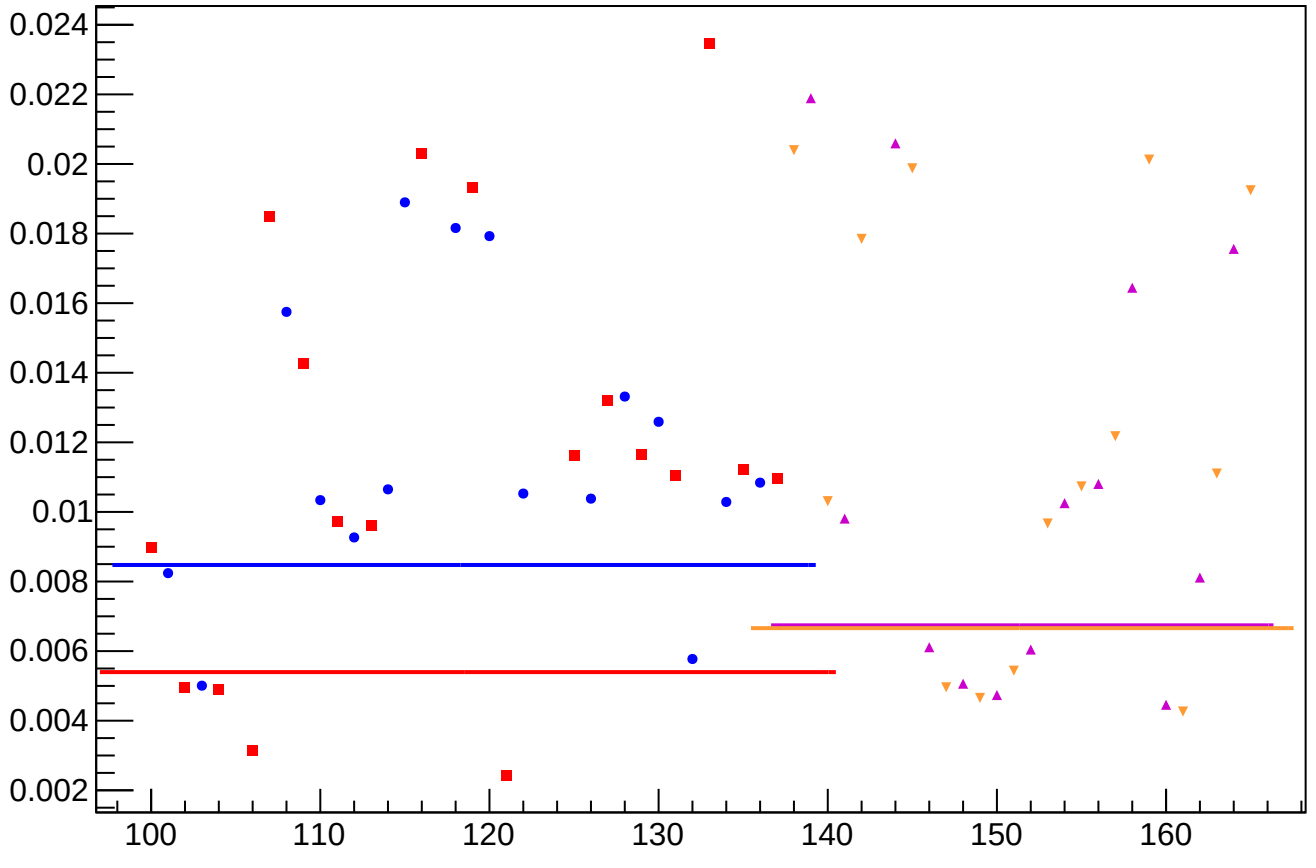
Left: -0.000+/-0.000 χ^2/NDF: 38.0/26

Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:29.6/28

Out: -0.000+/-0.000 χ^2/NDF:43.3/31

All: -0.000+/-0.000 χ^2/NDF: 79.1/60



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:5190611.5/13

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:4035207.7/12

Left: 0.007+/-0.000 χ^2/NDF: 9226984.9/26

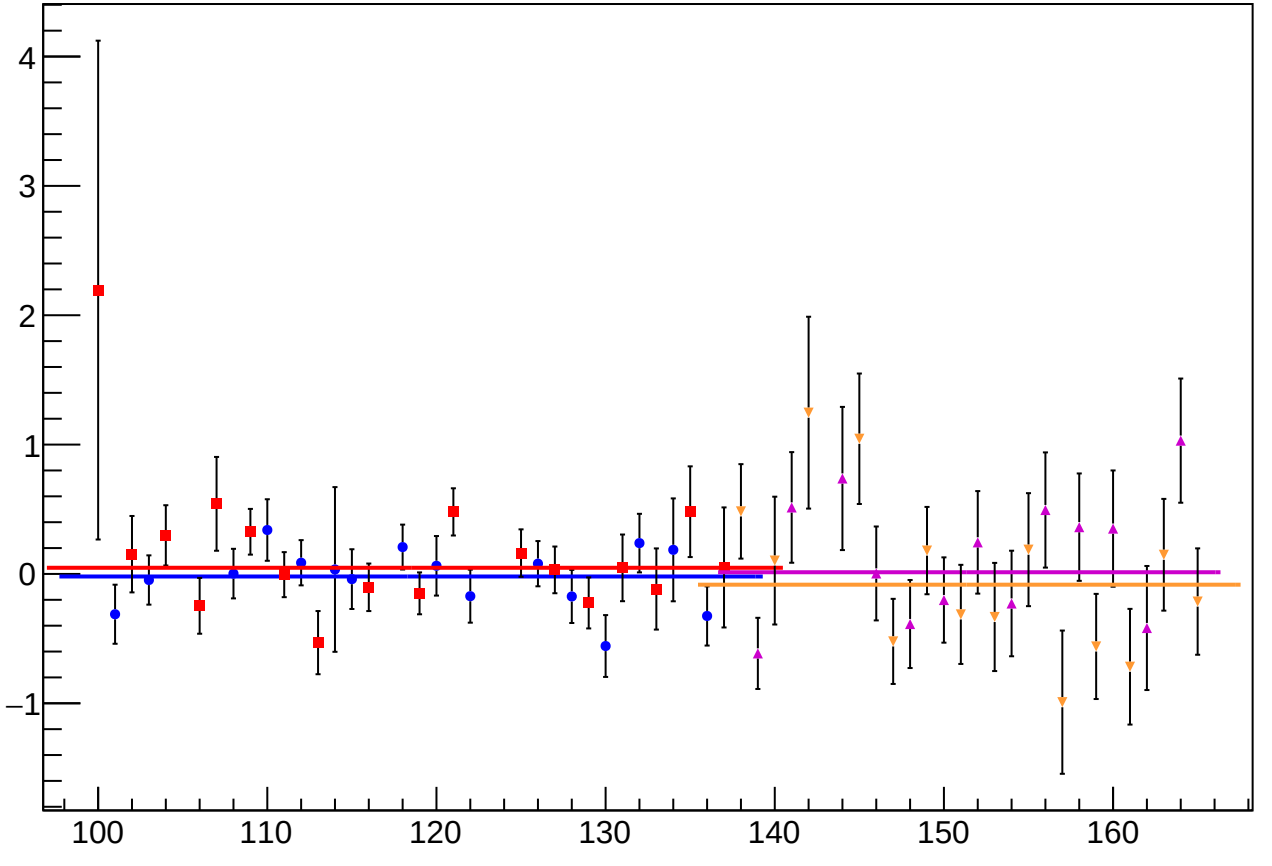
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:6305408.5/28

Out: 0.006+/-0.000 χ^2/NDF:10367974.4/31

All: 0.007+/-0.000 χ^2/NDF: 17114562.5/60

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: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

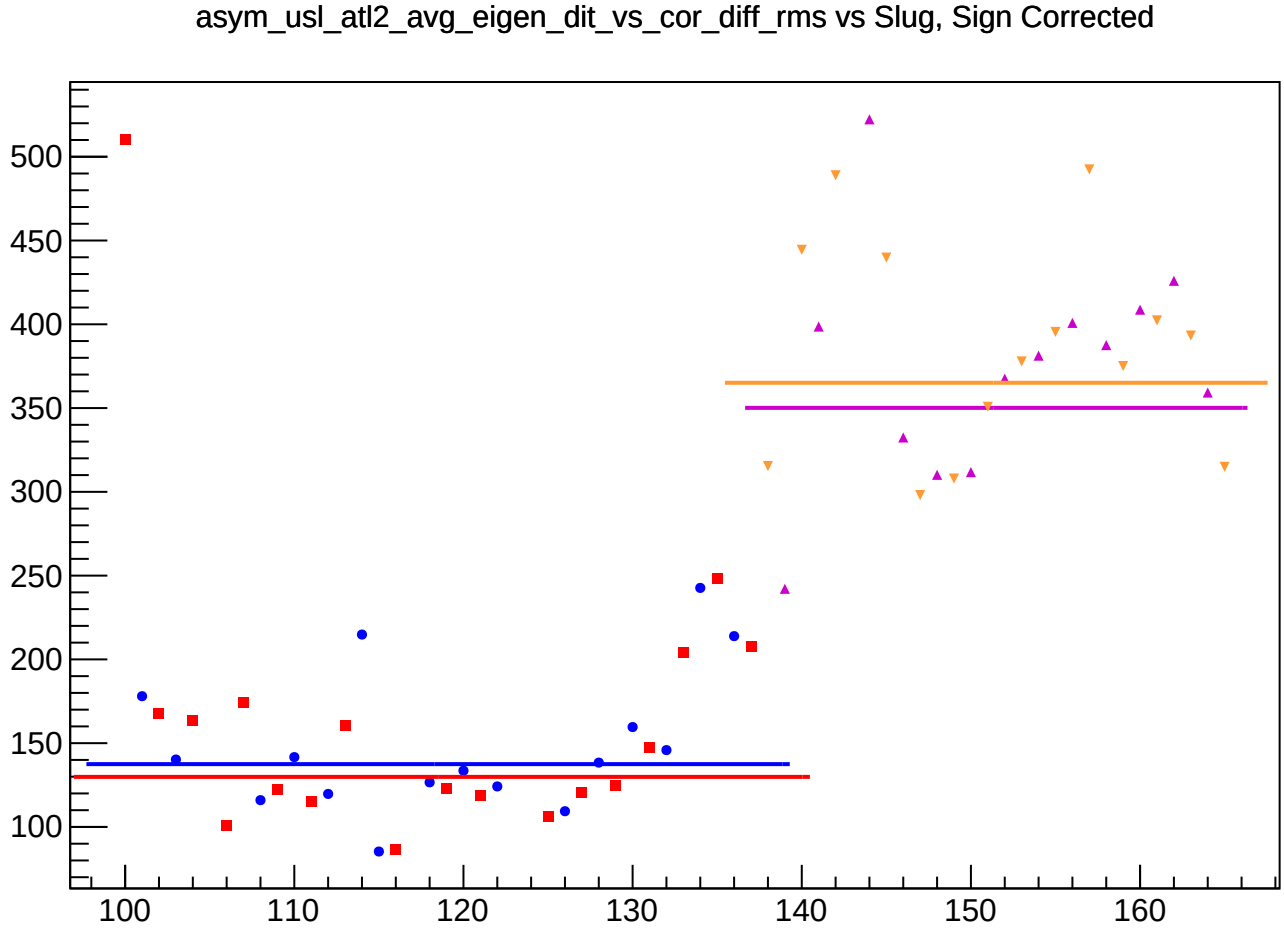
Left: -0.033+/-0.078 χ^2/NDF: 39.6/26

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

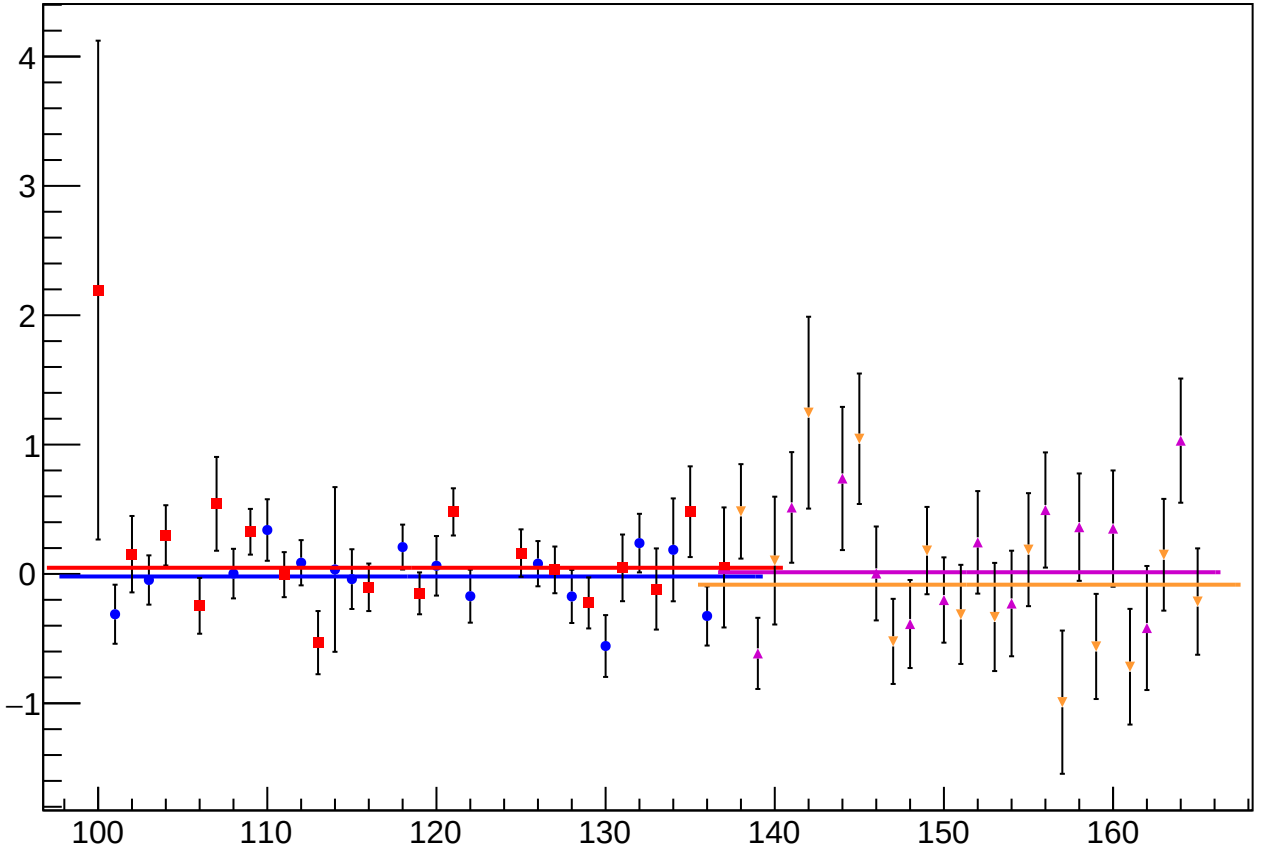
In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.006+/-0.034 χ^2/NDF: 83.0/60


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 365.105+/-0.080 χ²/NDF:502095.3/13
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 350.126+/-0.077 χ²/NDF:729345.9/12
Left: 357.363+/-0.055 χ²/NDF: 1249700.2/26
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 179.674+/-0.034 χ²/NDF:7527373.9/28
Out: 171.820+/-0.034 χ²/NDF:8494608.0/31
All: 175.669+/-0.024 χ²/NDF: 16048687.0/60

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

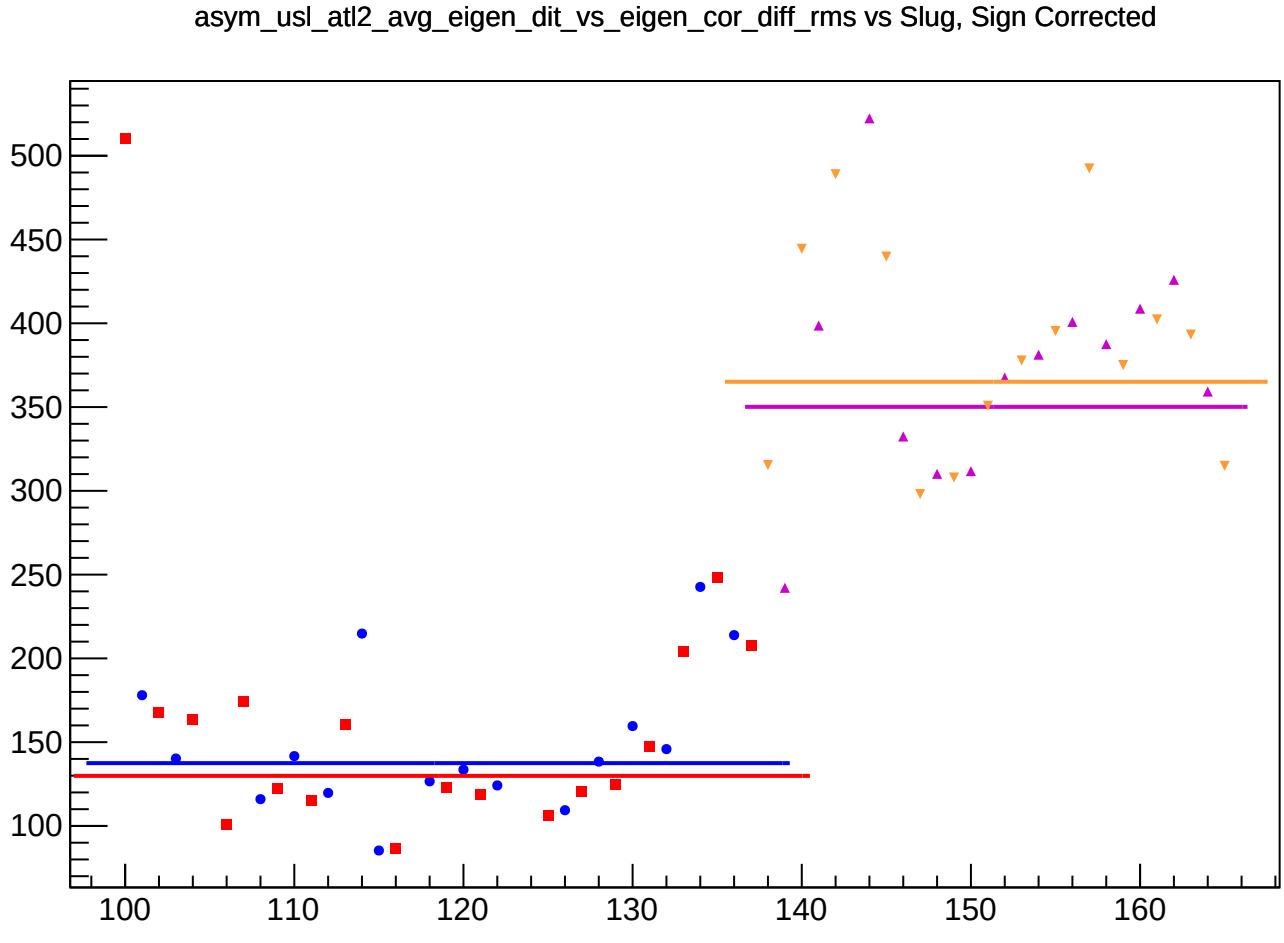
Left: -0.033+/-0.078 χ^2/NDF: 39.6/26

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.006+/-0.034 χ^2/NDF: 83.0/60



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 365.105+/-0.080 χ^2/NDF:502095.3/13

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

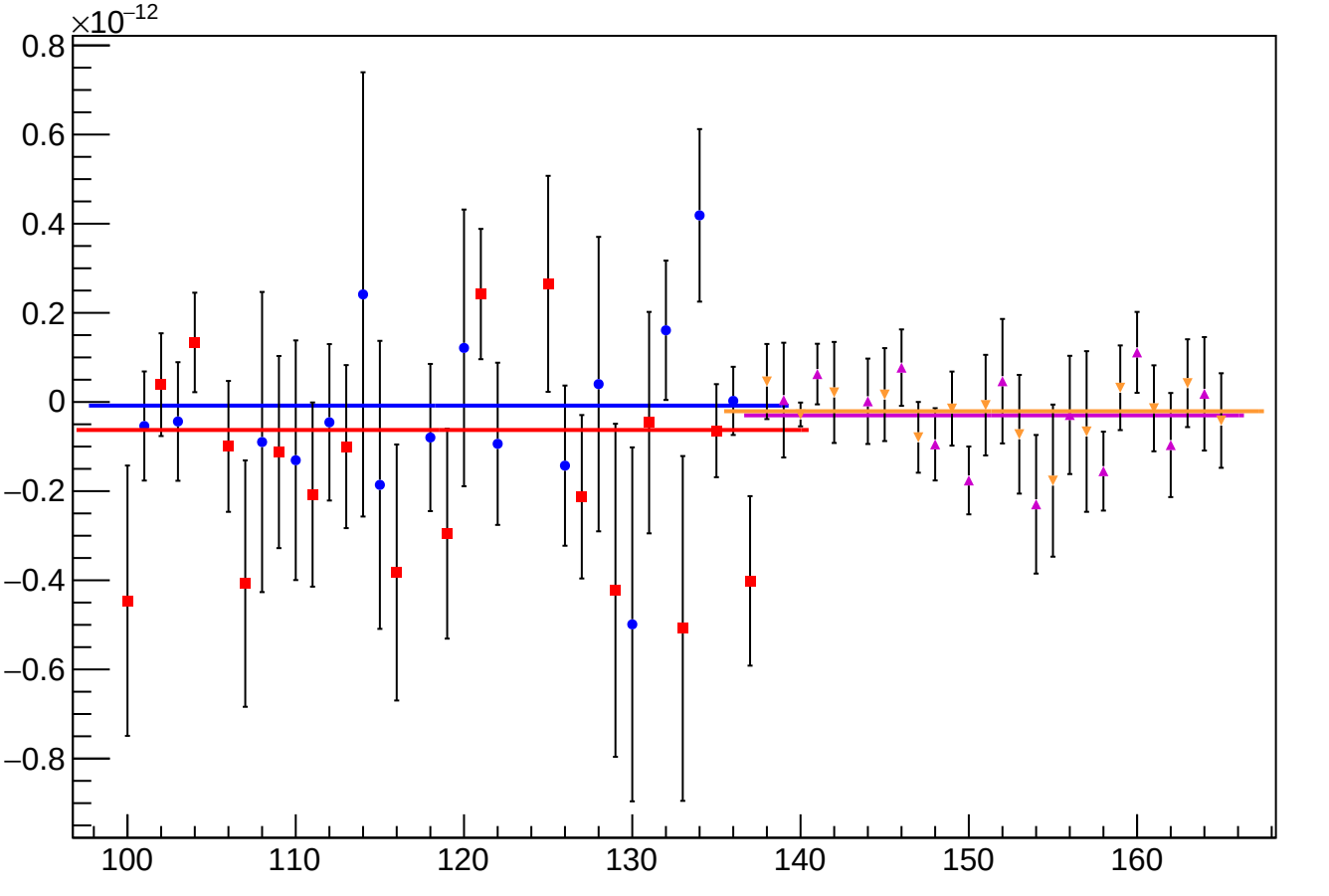
Left: 357.363+/-0.055 χ^2/NDF: 1249700.2/26

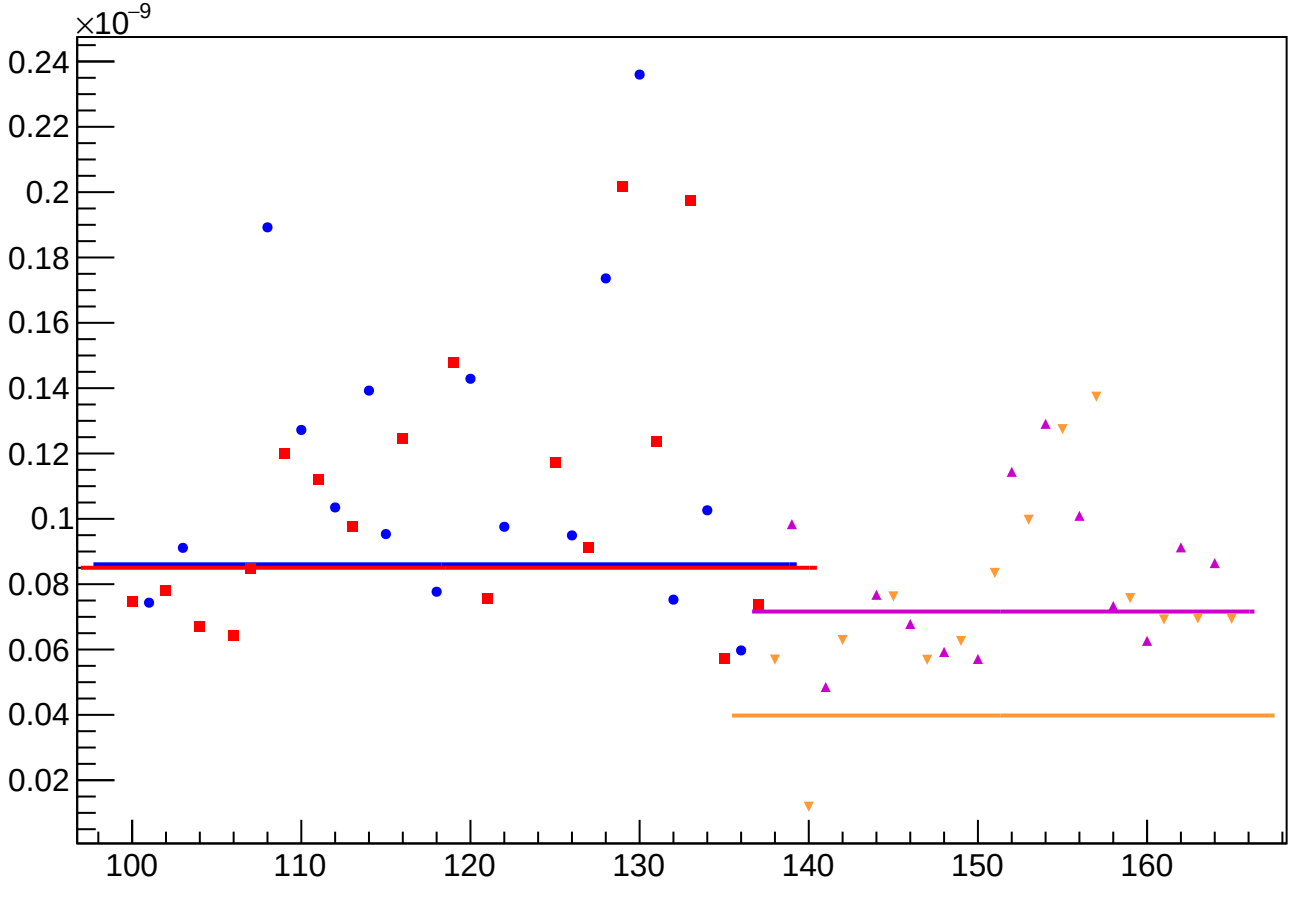
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 179.674+/-0.034 χ^2/NDF:7527373.9/28

Out: 171.820+/-0.034 χ^2/NDF:8494608.0/31

All: 175.669+/-0.024 χ^2/NDF: 16048687.0/60


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
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:3.3/13
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.8/12
Left: -0.000+/-0.000 χ²/NDF: 18.2/26
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.8/28
Out: -0.000+/-0.000 χ²/NDF:26.3/31
All: -0.000+/-0.000 χ²/NDF: 51.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5472106.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1108953.7/12

Left: 0.000+/-0.000 χ^2/NDF: 8413791.6/26

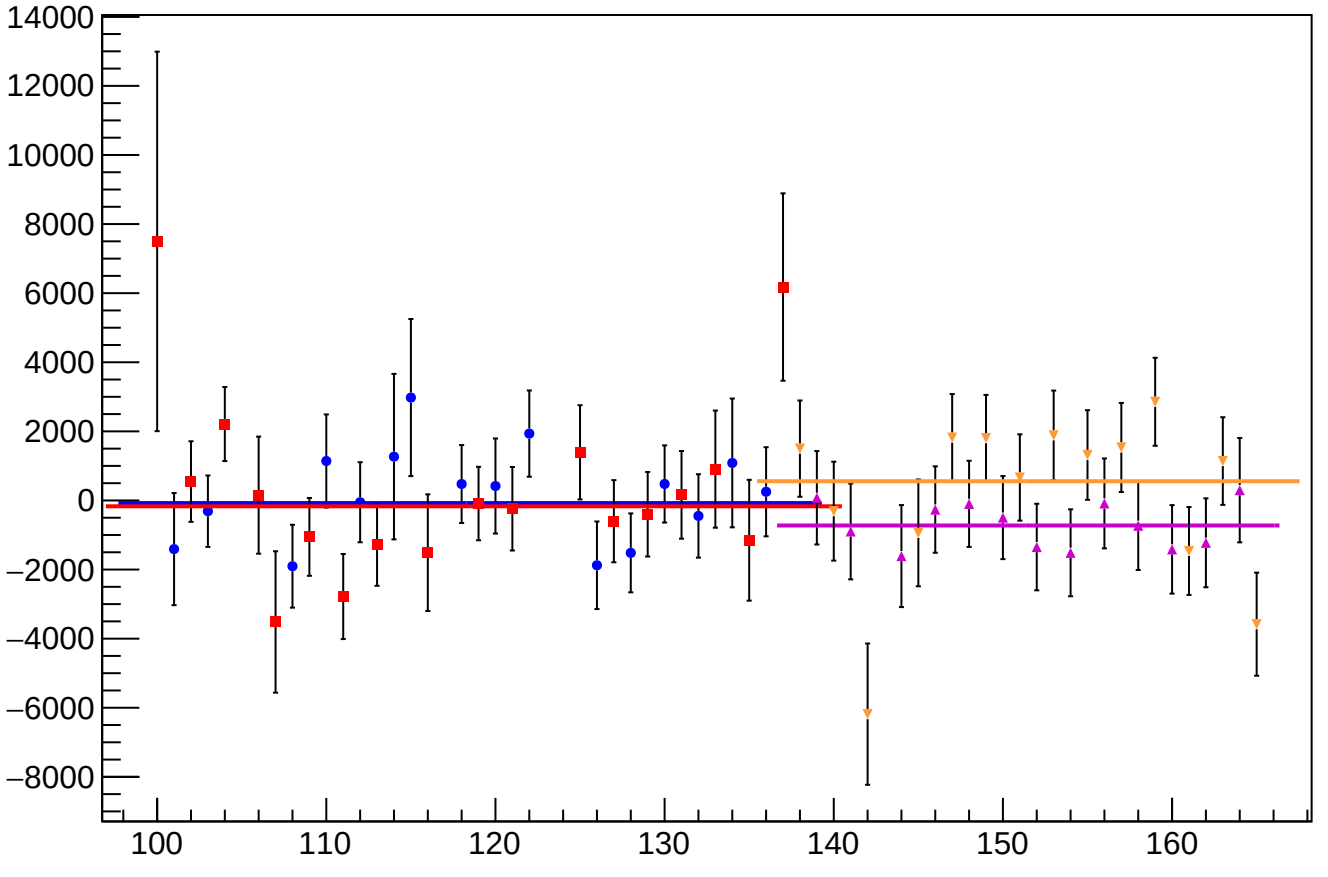
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2346337.7/28

Out: 0.000+/-0.000 χ^2/NDF:8382759.3/31

All: 0.000+/-0.000 χ^2/NDF: 12601059.9/60

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 556.474+/-361.015 χ^2/NDF:30.3/13

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -724.569+/-362.236 χ^2/NDF:2.9/12

Left: -81.884+/-255.707 χ^2/NDF: 39.5/26

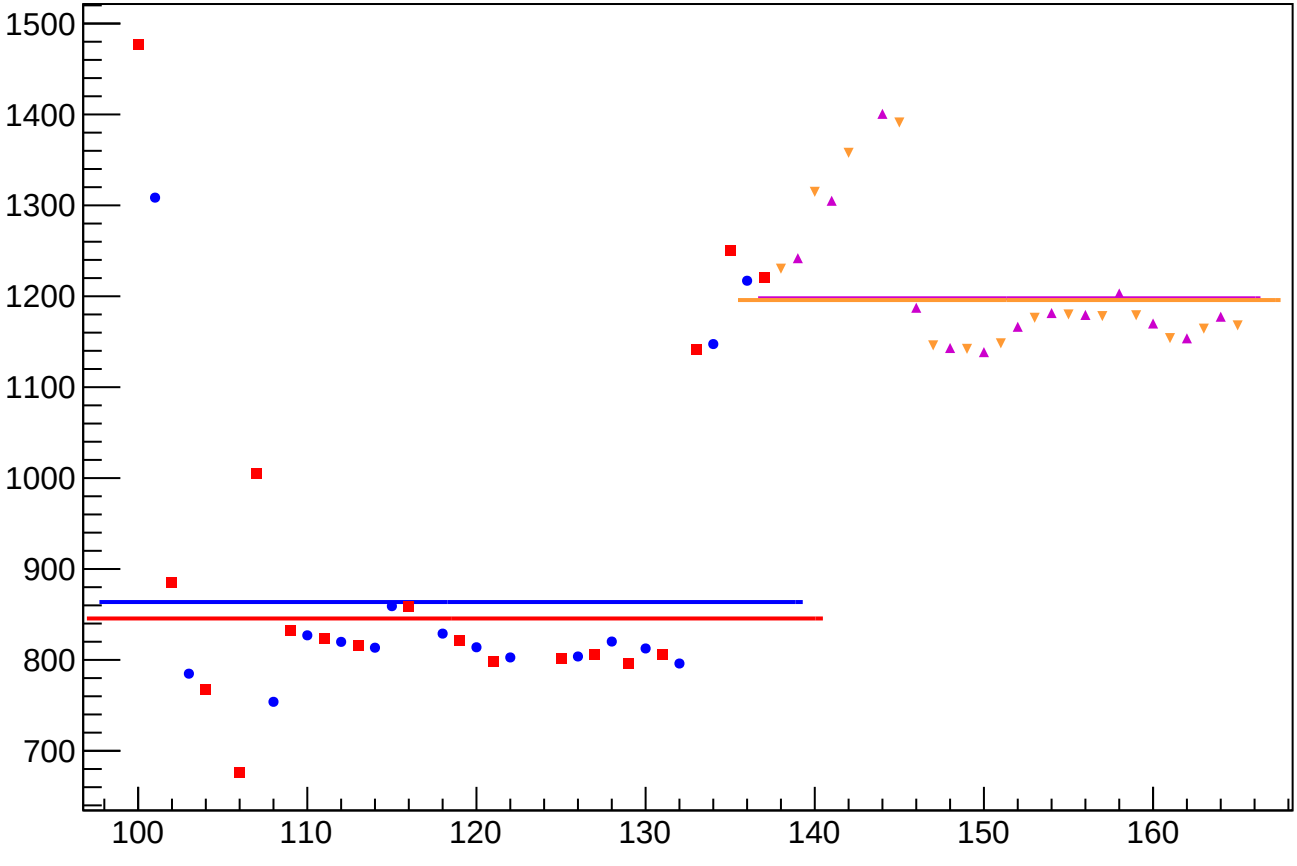
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -366.423+/-242.411 χ^2/NDF:18.1/28

Out: 152.047+/-240.231 χ^2/NDF:56.9/31

All: -104.846+/-170.634 χ^2/NDF: 77.3/60

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.4/12

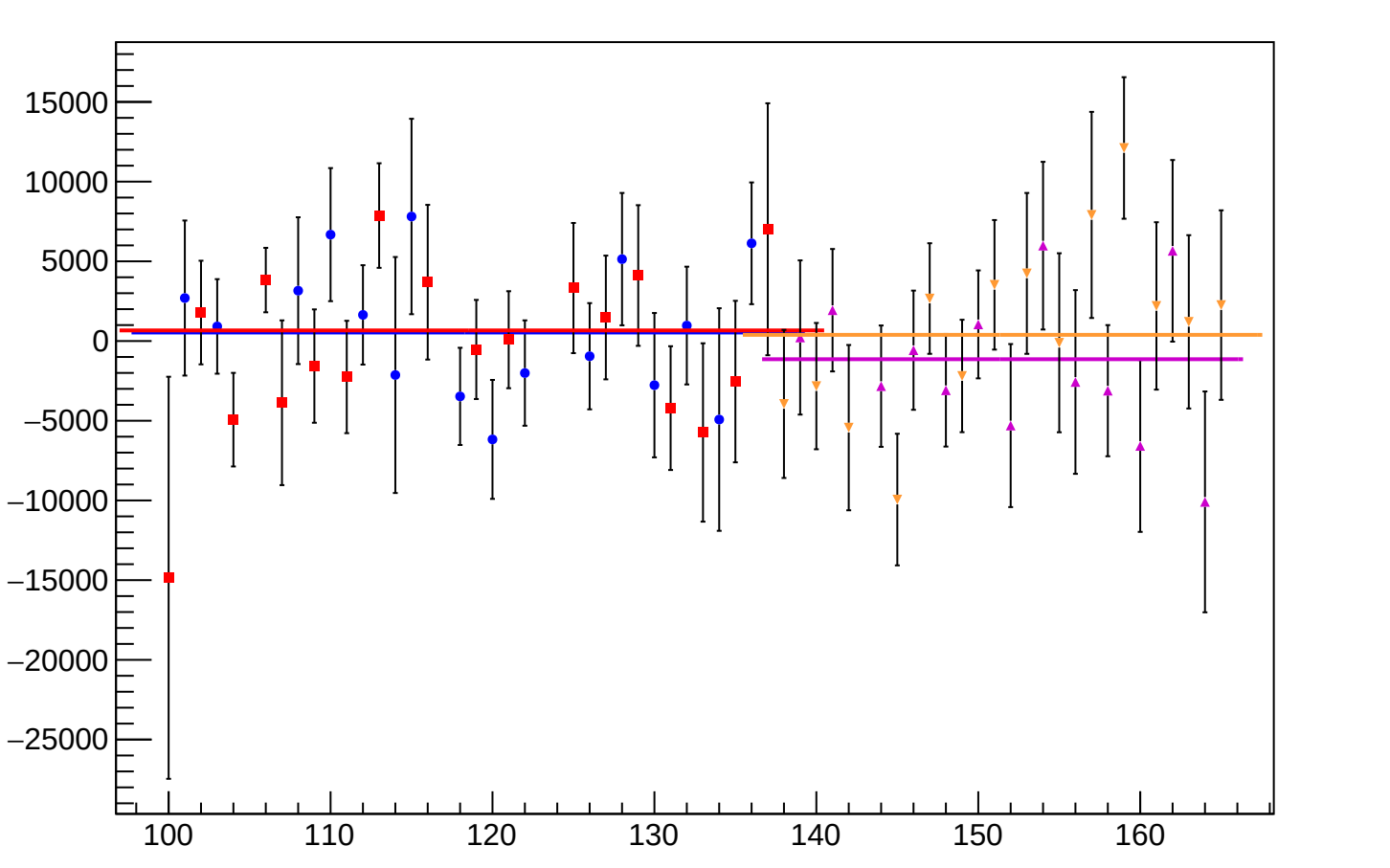
Left: 1196.811+/-0.181 χ^2/NDF: 141216.7/26

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1013.297+/-0.171 χ^2/NDF:1413451.0/28

Out: 998.527+/-0.169 χ^2/NDF:1443127.5/31

All: 1005.794+/-0.120 χ^2/NDF: 2860350.1/60



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 388.525+/-1217.989 χ^2/NDF:19.8/13

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1141.335+/-1223.358 χ^2/NDF:8.6/12

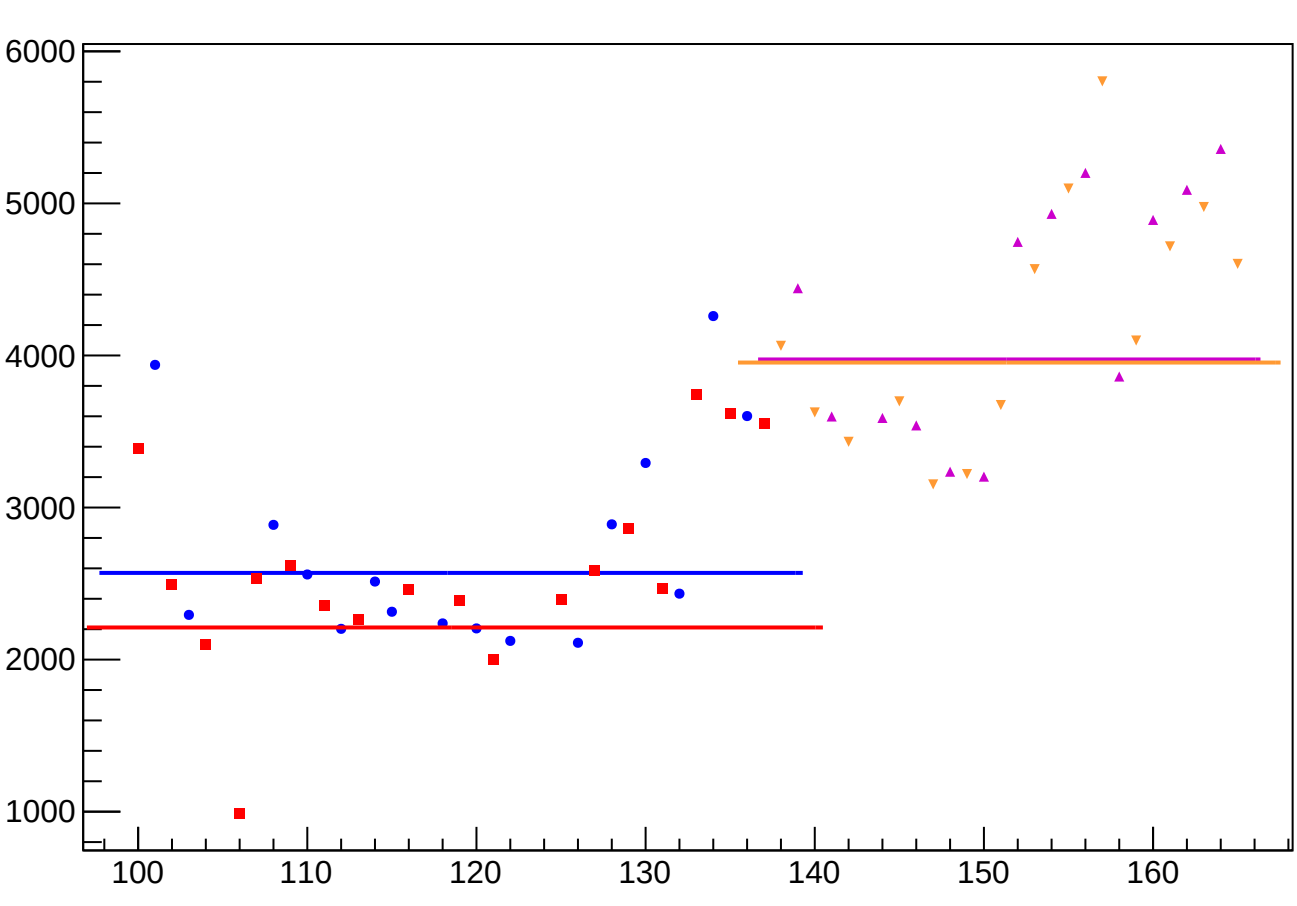
Left: -373.040+/-863.140 χ^2/NDF: 29.1/26

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -121.600+/-765.464 χ^2/NDF:24.4/28

Out: 572.895+/-705.228 χ^2/NDF:39.8/31

All: 254.045+/-518.661 χ^2/NDF: 64.6/60



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3953.508+/-0.861 χ^2/NDF:660720.9/13

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3973.735+/-0.865 χ^2/NDF:694854.2/12

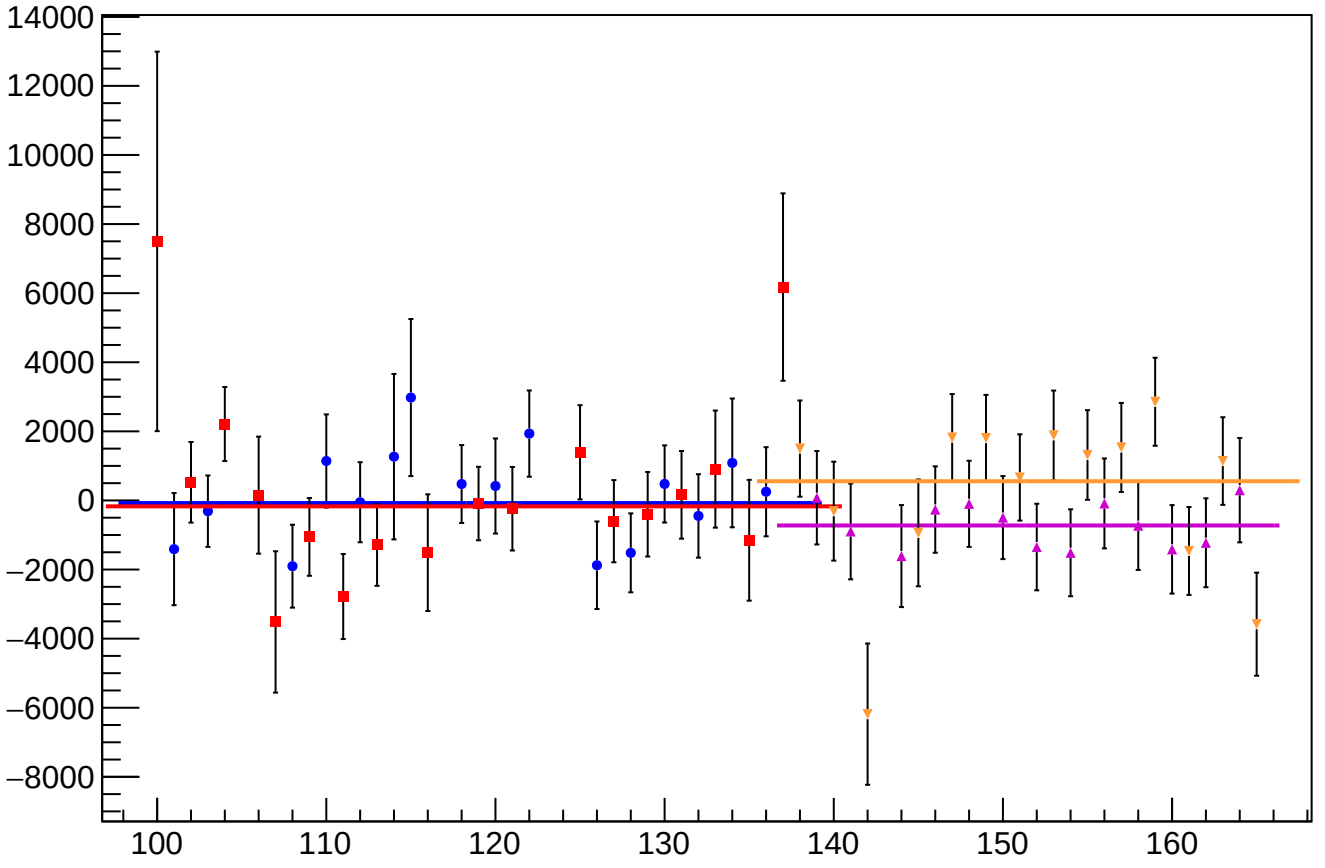
Left: 3963.577+/-0.610 χ^2/NDF: 1355849.7/26

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3119.657+/-0.541 χ^2/NDF:2959336.2/28

Out: 2795.359+/-0.499 χ^2/NDF:4645099.6/31

All: 2944.248+/-0.367 χ^2/NDF: 7798603.2/60



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 556.419+/-361.015 χ^2/NDF:30.3/13

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -724.589+/-362.236 χ^2/NDF:2.9/12

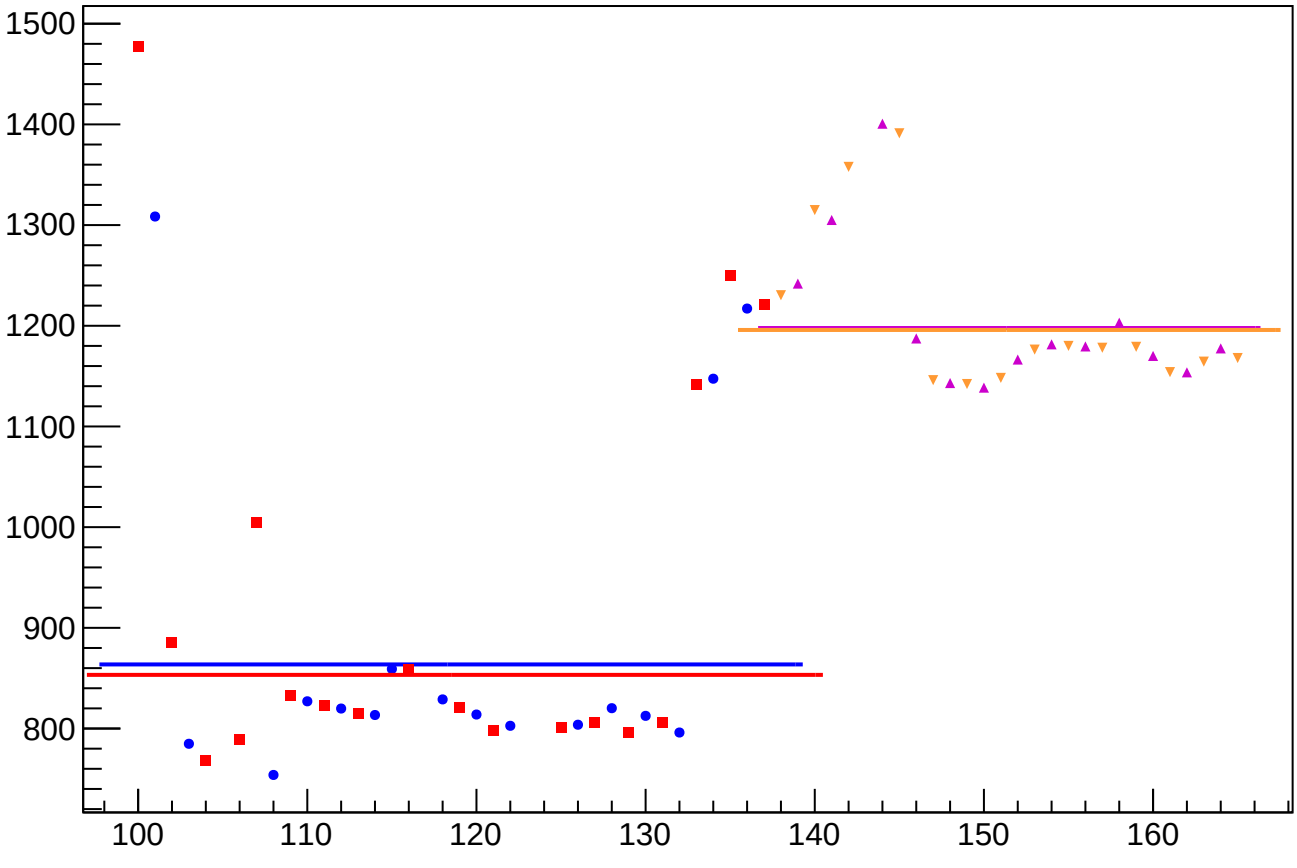
Left: -81.922+/-255.707 χ^2/NDF: 39.5/26

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -366.475+/-242.411 χ^2/NDF:18.1/28

Out: 151.116+/-240.233 χ^2/NDF:56.9/31

All: -105.344+/-170.635 χ^2/NDF: 77.3/60



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

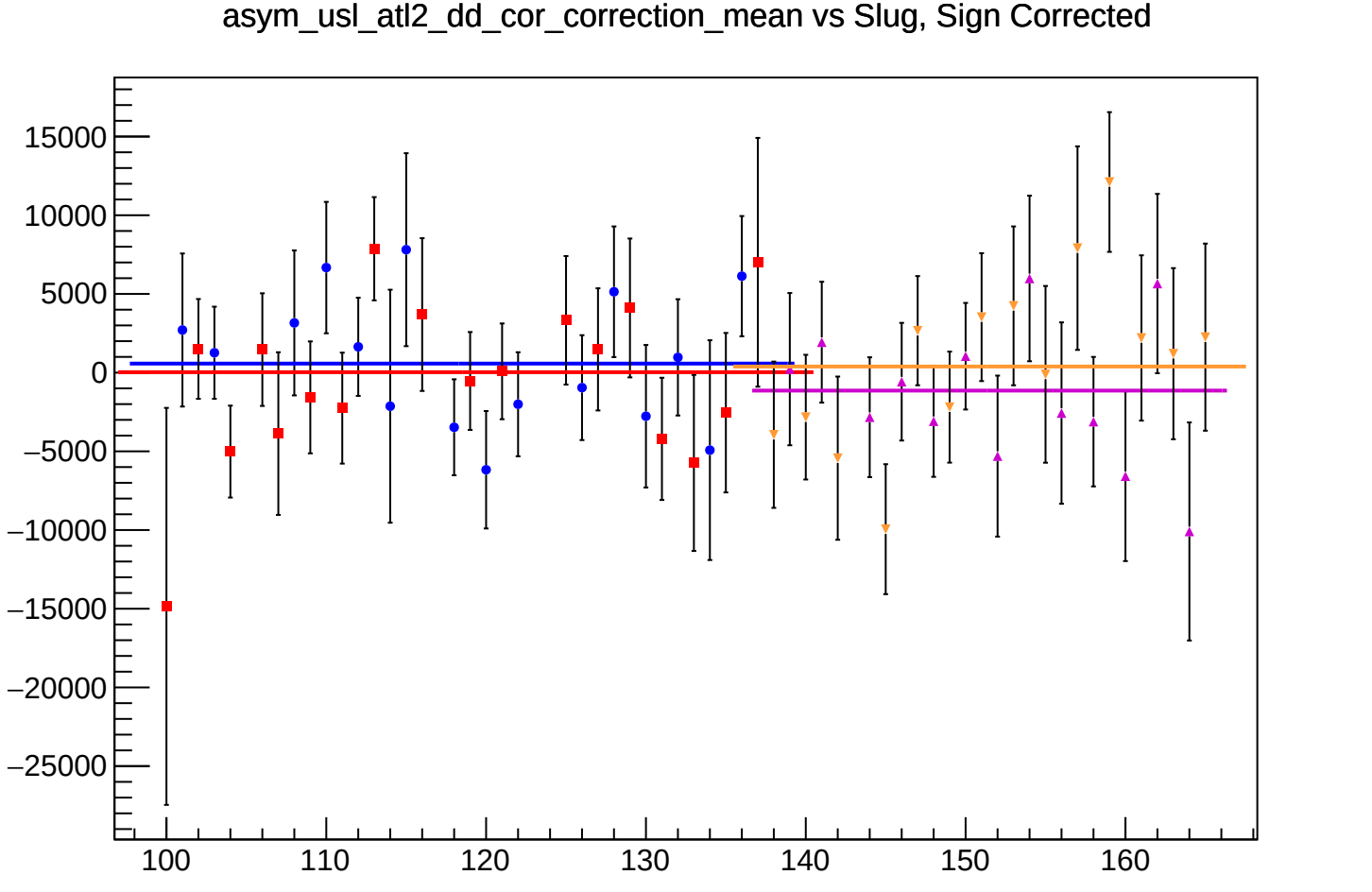
Left: 1196.811+/-0.181 χ^2/NDF: 141216.7/26

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1013.297+/-0.171 χ^2/NDF:1413451.1/28

Out: 1004.098+/-0.169 χ^2/NDF:1358081.8/31

All: 1008.643+/-0.120 χ^2/NDF: 2772990.1/60



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 388.518+/-1217.988 χ^2/NDF:19.8/13

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1141.382+/-1223.357 χ^2/NDF:8.6/12

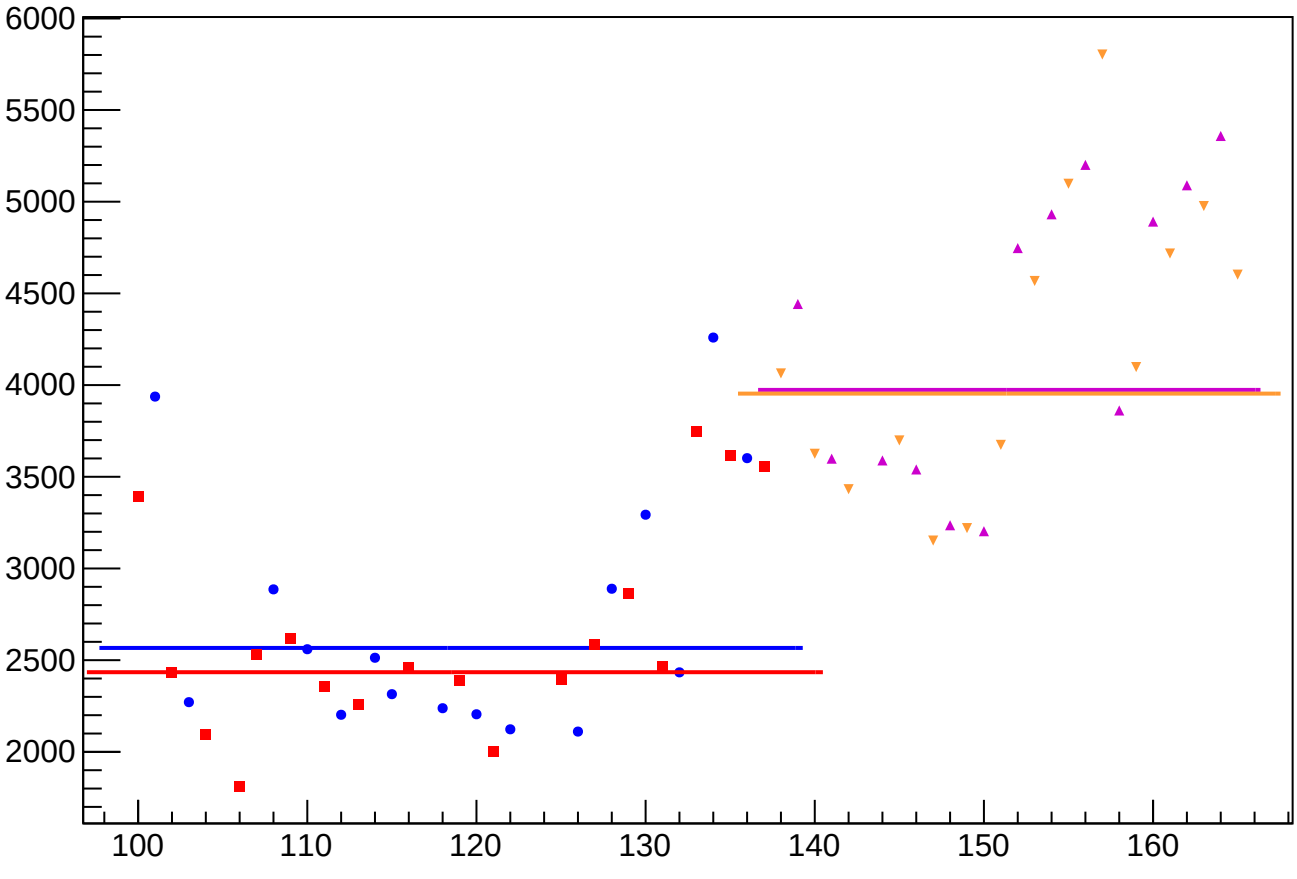
Left: -373.067+/-863.140 χ^2/NDF: 29.1/26

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -95.806+/-764.782 χ^2/NDF:24.5/28

Out: 159.735+/-735.186 χ^2/NDF:37.0/31

All: 37.005+/-530.009 χ^2/NDF: 61.6/60



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.506+/-0.861 χ^2/NDF:660716.8/13

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

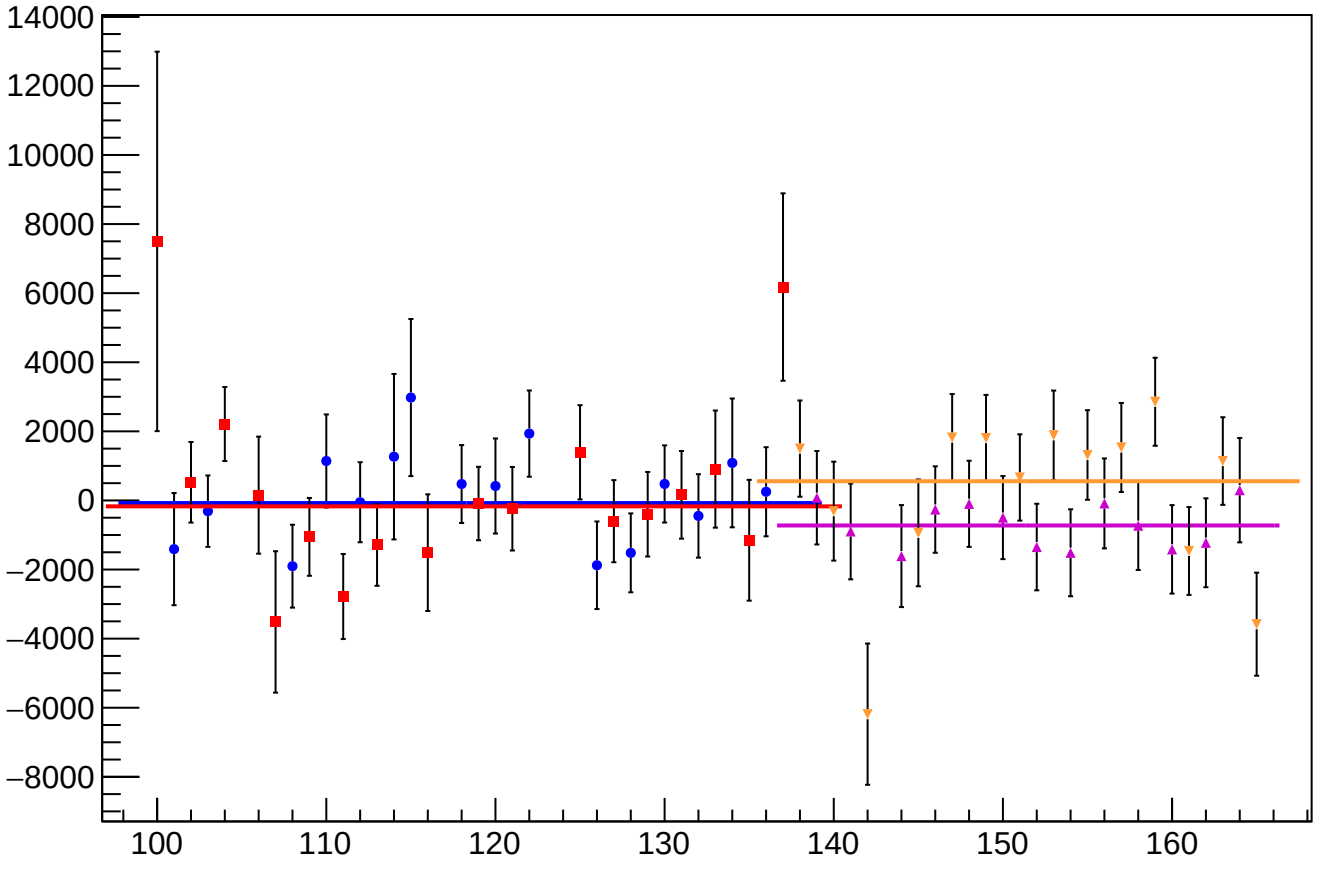
Left: 3963.574+/-0.610 χ^2/NDF: 1355847.7/26

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3116.605+/-0.541 χ^2/NDF:2972342.5/28

Out: 2987.892+/-0.520 χ^2/NDF:3072343.4/31

All: 3049.710+/-0.375 χ^2/NDF: 6074128.4/60



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 556.419+/-361.015 χ^2/NDF:30.3/13

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -724.589+/-362.236 χ^2/NDF:2.9/12

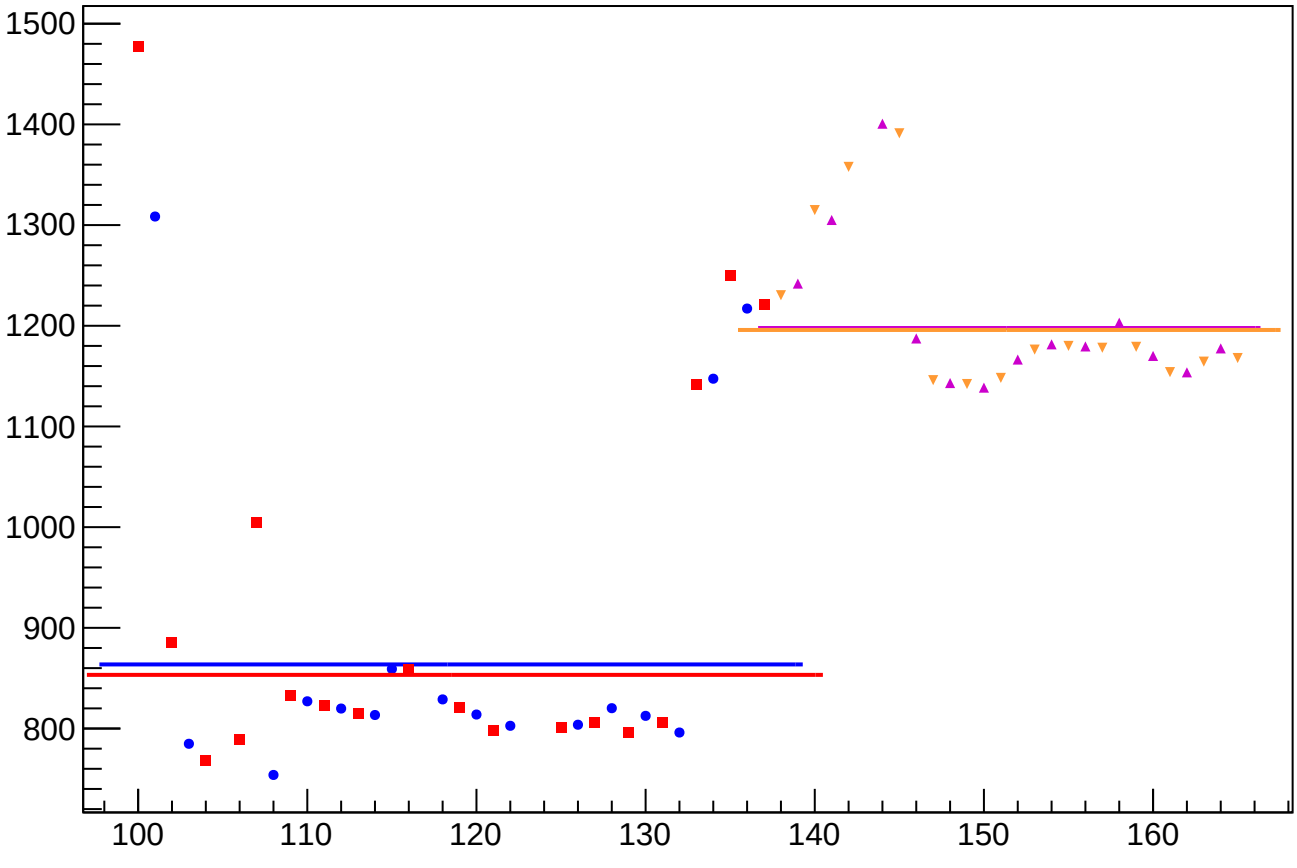
Left: -81.922+/-255.707 χ^2/NDF: 39.5/26

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -366.475+/-242.411 χ^2/NDF:18.1/28

Out: 151.116+/-240.233 χ^2/NDF:56.9/31

All: -105.344+/-170.635 χ^2/NDF: 77.3/60



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

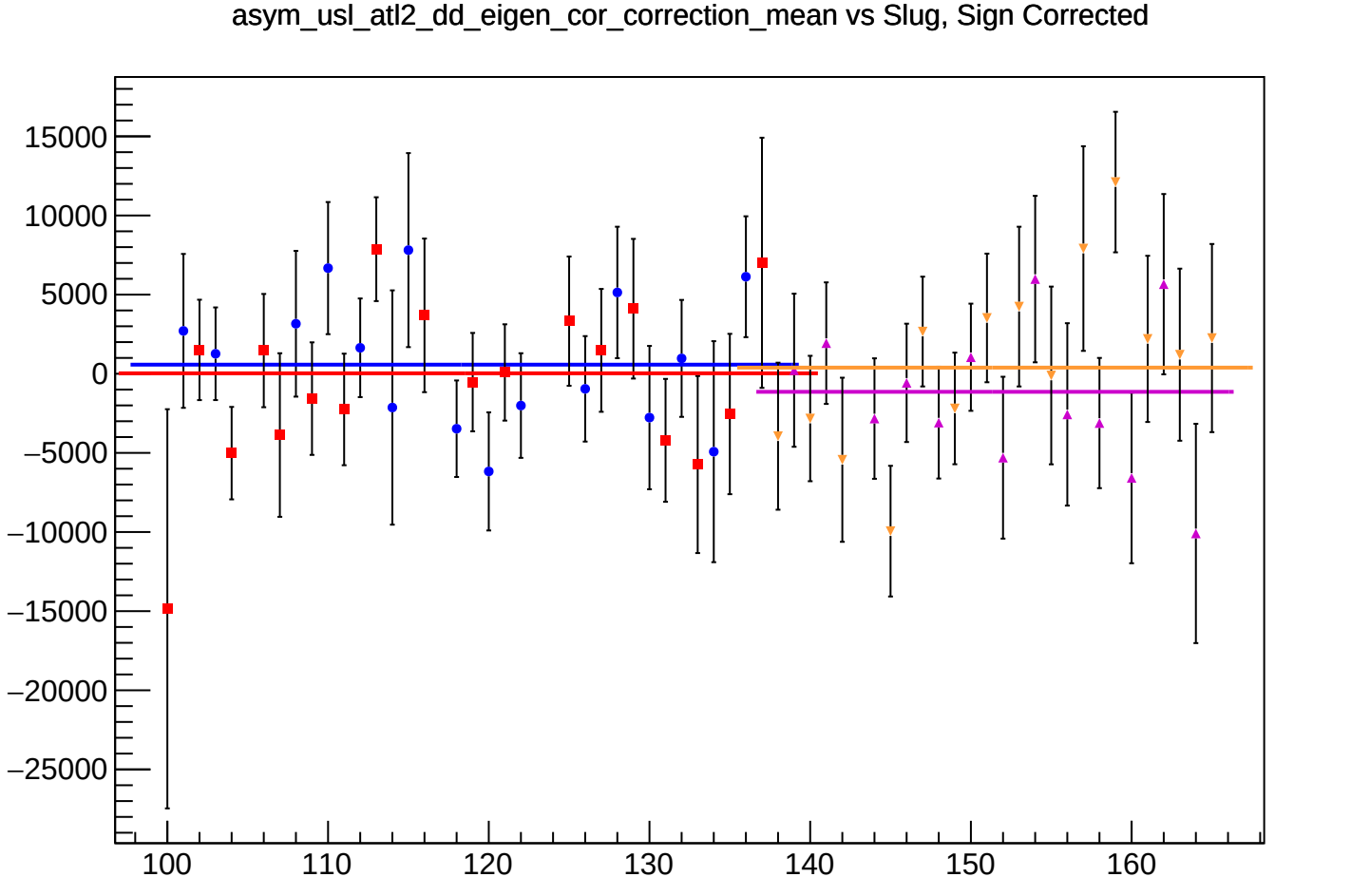
Left: 1196.811+/-0.181 χ^2/NDF: 141216.7/26

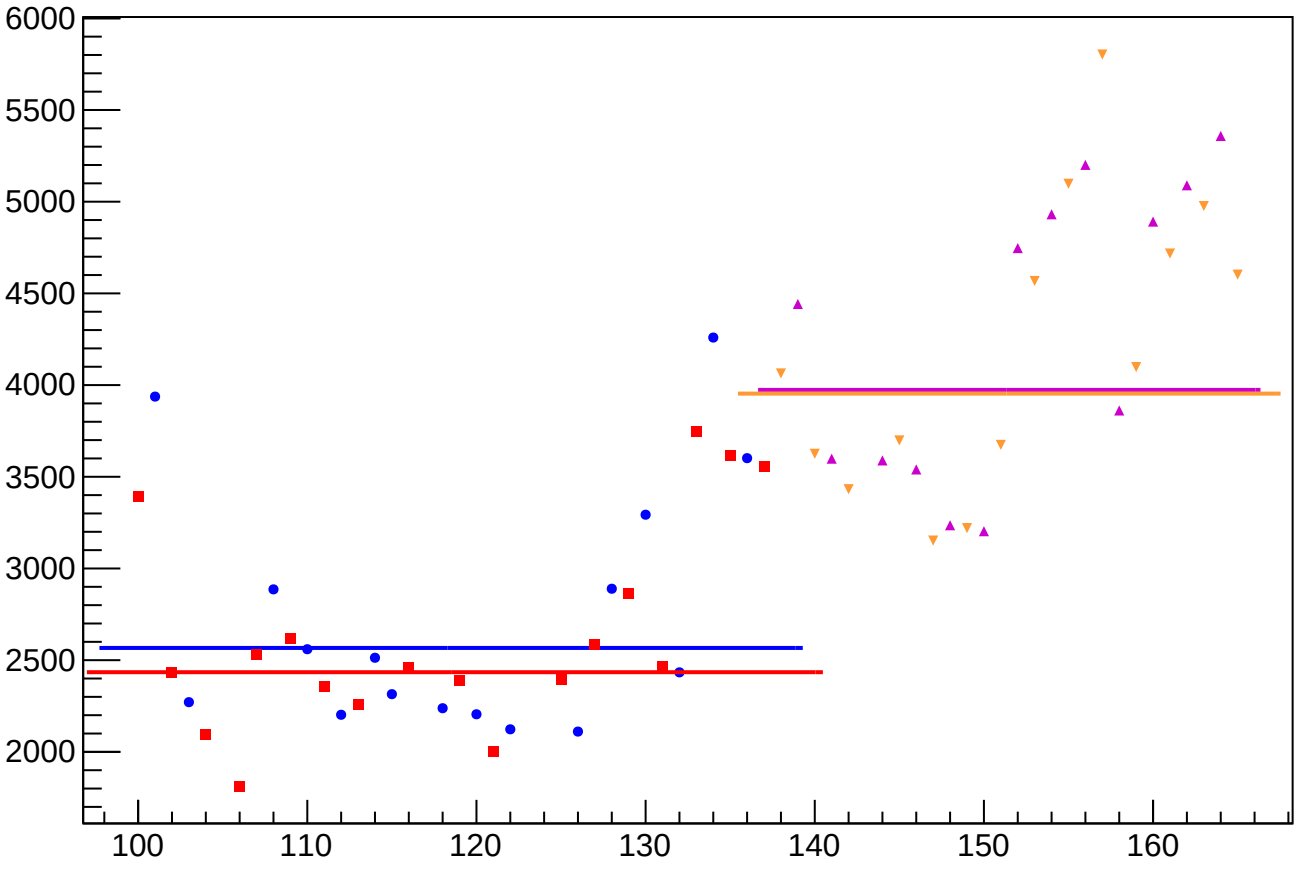
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1013.297+/-0.171 χ^2/NDF:1413451.1/28

Out: 1004.098+/-0.169 χ^2/NDF:1358081.8/31

All: 1008.643+/-0.120 χ^2/NDF: 2772990.1/60


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 388.518+/-1217.988 χ²/NDF:19.8/13
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -1141.382+/-1223.357 χ²/NDF:8.6/12
Left: -373.067+/-863.140 χ²/NDF: 29.1/26
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -95.806+/-764.782 χ²/NDF:24.5/28
Out: 159.735+/-735.186 χ²/NDF:37.0/31
All: 37.005+/-530.009 χ²/NDF: 61.6/60



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.506+/-0.861 χ^2/NDF:660716.8/13

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

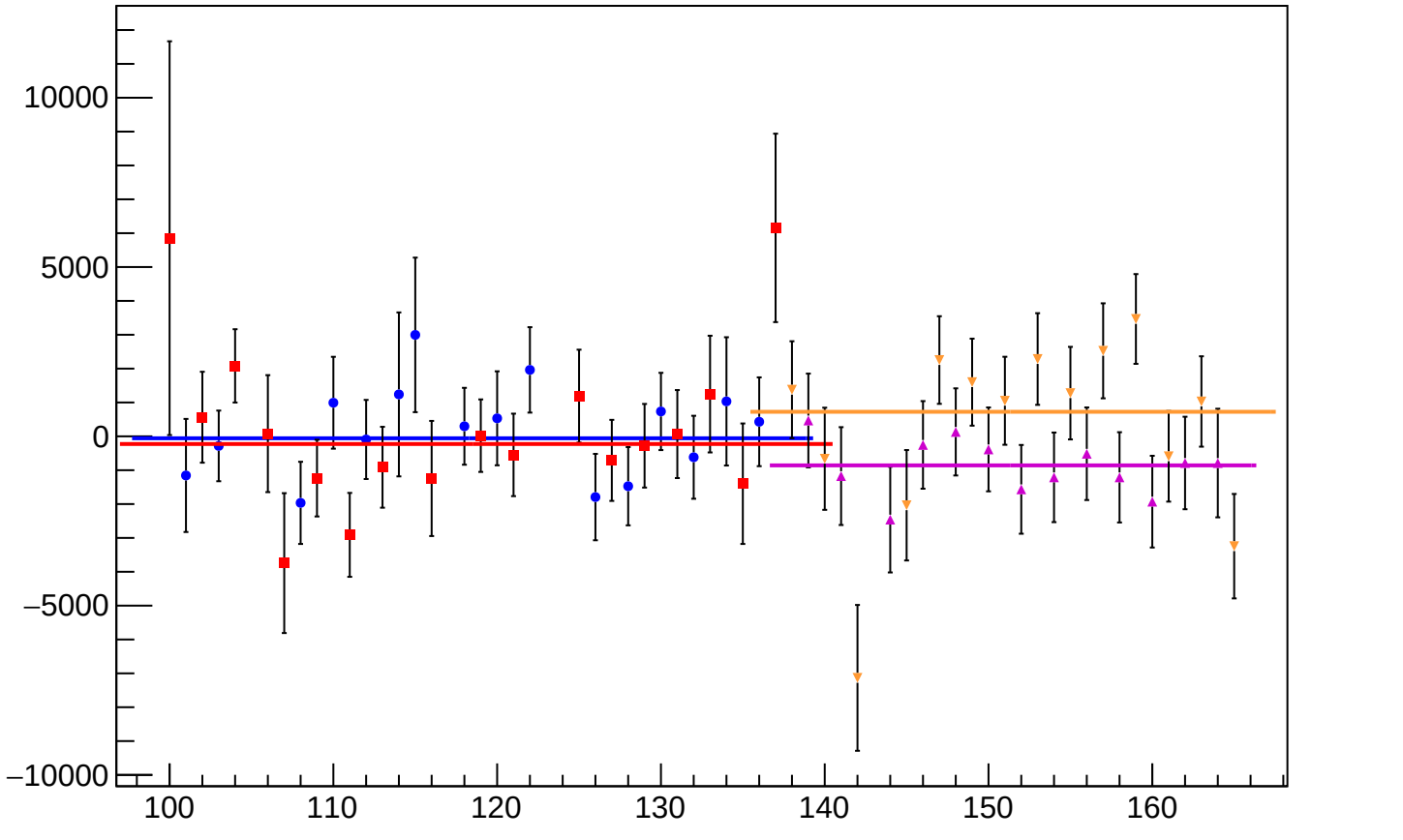
Left: 3963.574+/-0.610 χ^2/NDF: 1355847.7/26

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3116.605+/-0.541 χ^2/NDF:2972342.5/28

Out: 2987.892+/-0.520 χ^2/NDF:3072343.4/31

All: 3049.710+/-0.375 χ^2/NDF: 6074128.4/60



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 725.150+/-377.602 χ^2/NDF:34.2/13

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -857.561+/-378.346 χ^2/NDF:4.1/12

Left: -64.648+/-267.267 χ^2/NDF: 47.1/26

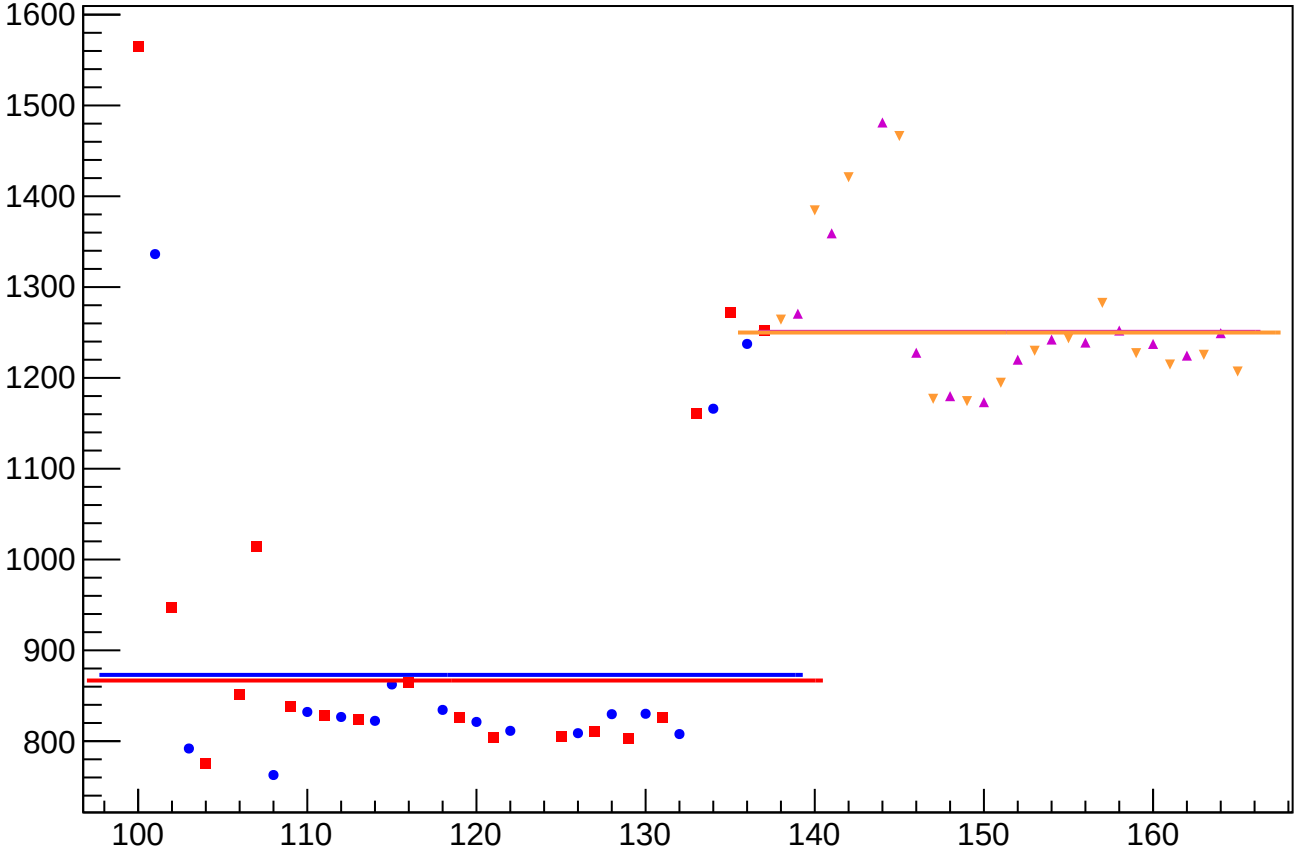
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -403.117+/-248.730 χ^2/NDF:19.6/28

Out: 183.096+/-247.654 χ^2/NDF:60.7/31

All: -108.739+/-175.497 χ^2/NDF: 83.2/60

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1249.961+/-0.267 χ^2/NDF:86601.8/13

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1250.717+/-0.268 χ^2/NDF:72058.5/12

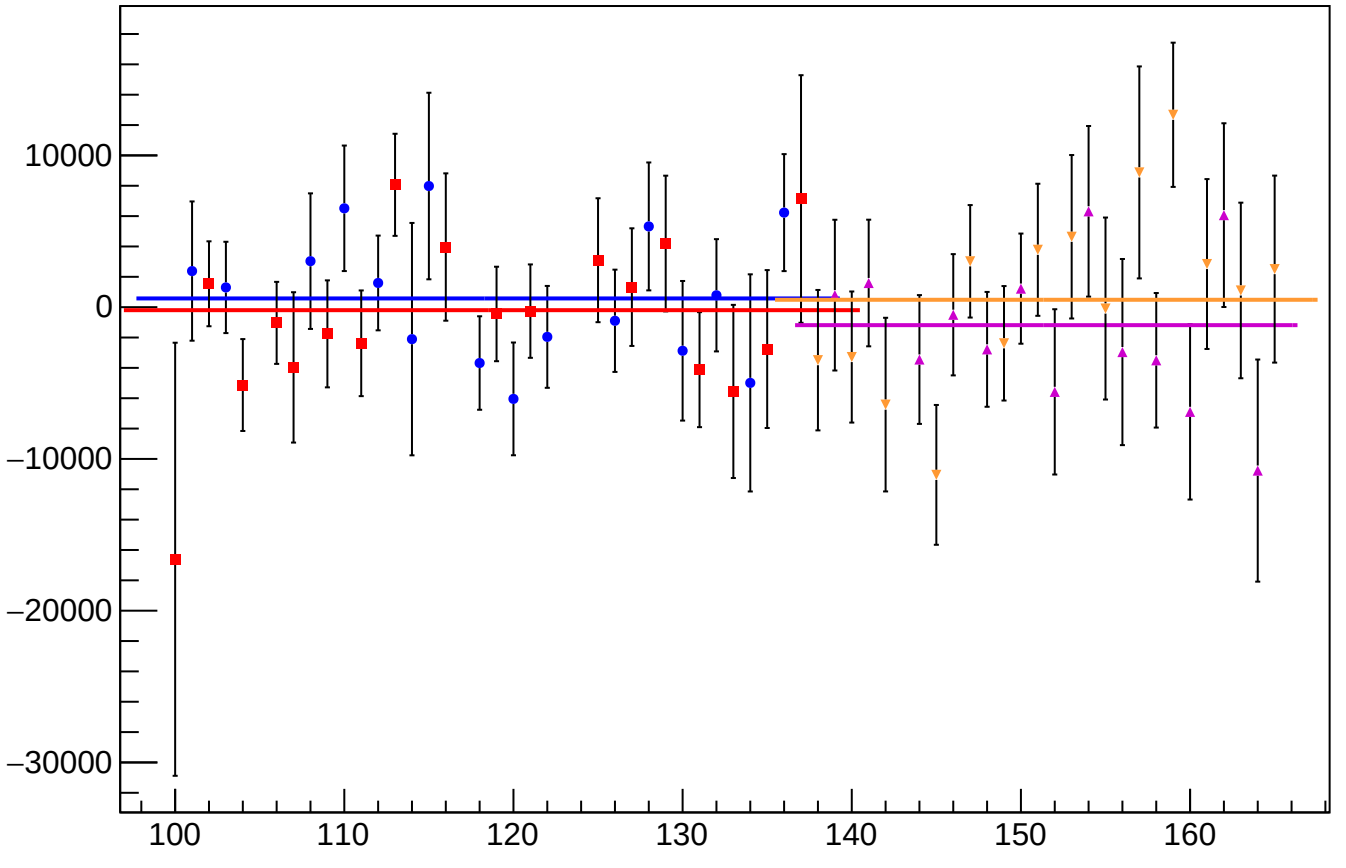
Left: 1250.338+/-0.189 χ^2/NDF: 158664.3/26

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1036.231+/-0.176 χ^2/NDF:1621163.9/28

Out: 1031.416+/-0.175 χ^2/NDF:1551662.2/31

All: 1033.812+/-0.124 χ^2/NDF: 3173202.8/60



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 486.796+/-1302.848 χ^2/NDF:19.8/13

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1184.962+/-1312.269 χ^2/NDF:8.4/12

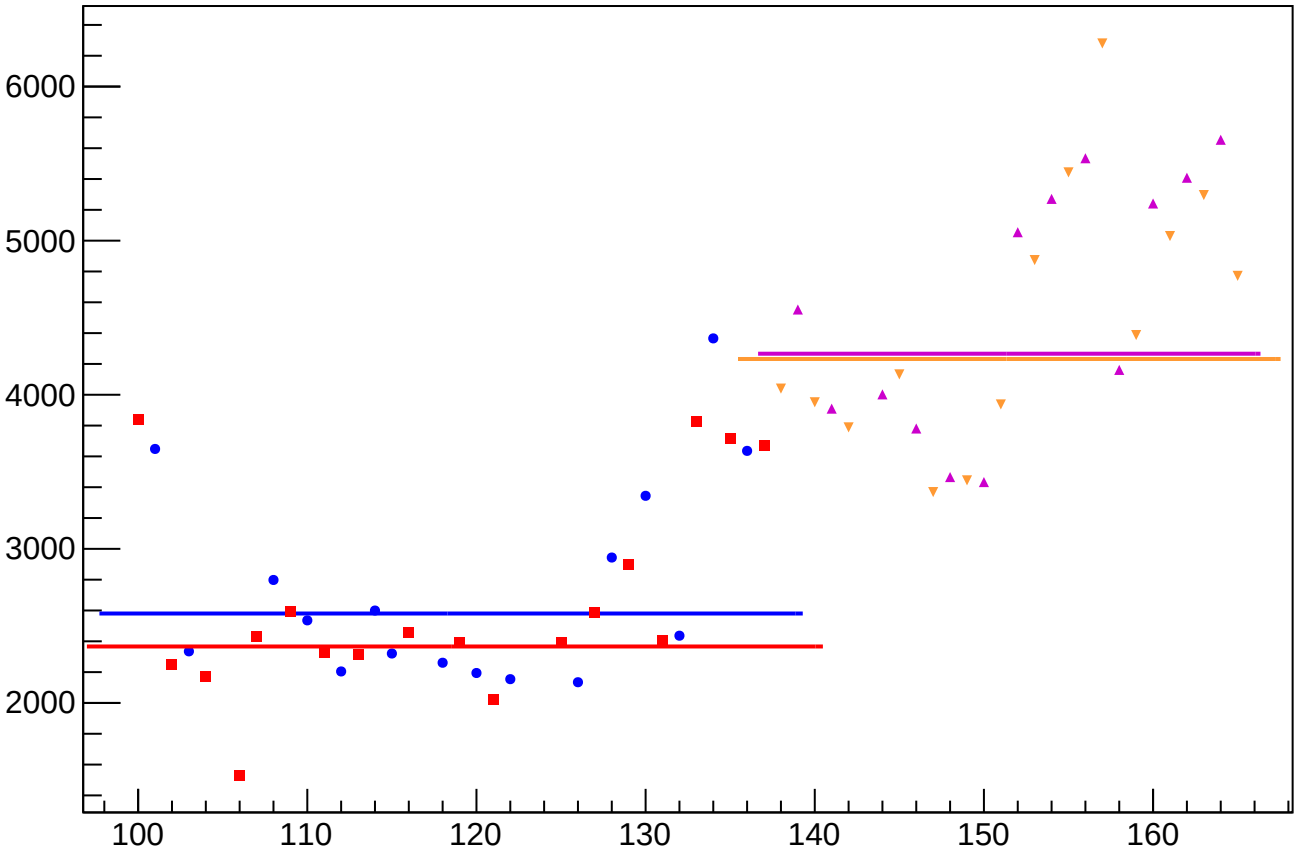
Left: -343.061+/-924.565 χ^2/NDF: 29.0/26

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -58.978+/-787.713 χ^2/NDF:24.3/28

Out: 21.291+/-737.212 χ^2/NDF:37.1/31

All: -16.188+/-538.256 χ^2/NDF: 61.4/60



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4232.088+/-0.921 χ^2/NDF:637614.9/13

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4266.370+/-0.928 χ^2/NDF:646015.3/12

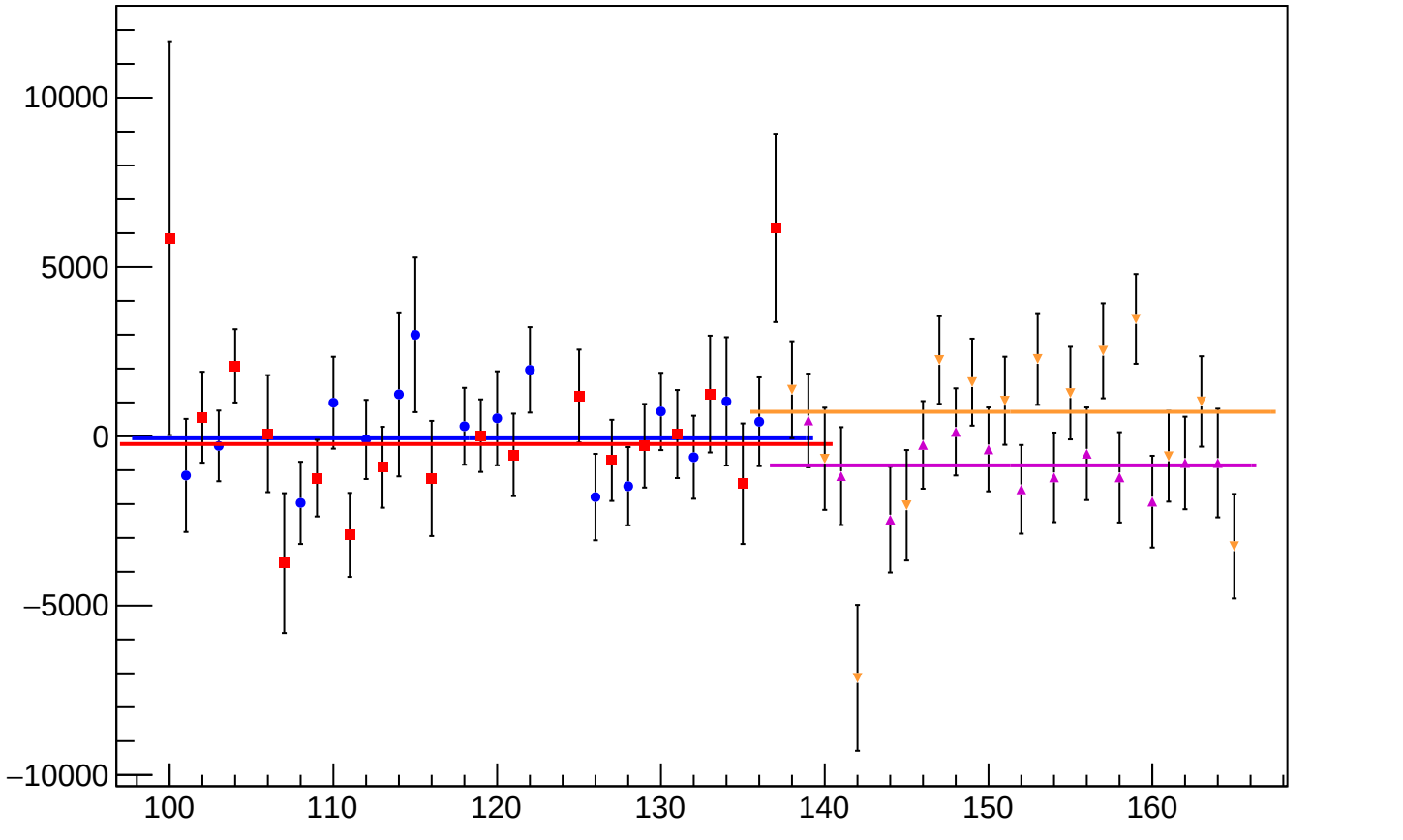
Left: 4249.106+/-0.654 χ^2/NDF: 1284317.6/26

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3187.876+/-0.557 χ^2/NDF:3374996.8/28

Out: 2963.769+/-0.521 χ^2/NDF:4037404.1/31

All: 3068.409+/-0.381 χ^2/NDF: 7498698.3/60



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 725.153+/-377.602 χ^2/NDF:34.2/13

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -857.561+/-378.346 χ^2/NDF:4.1/12

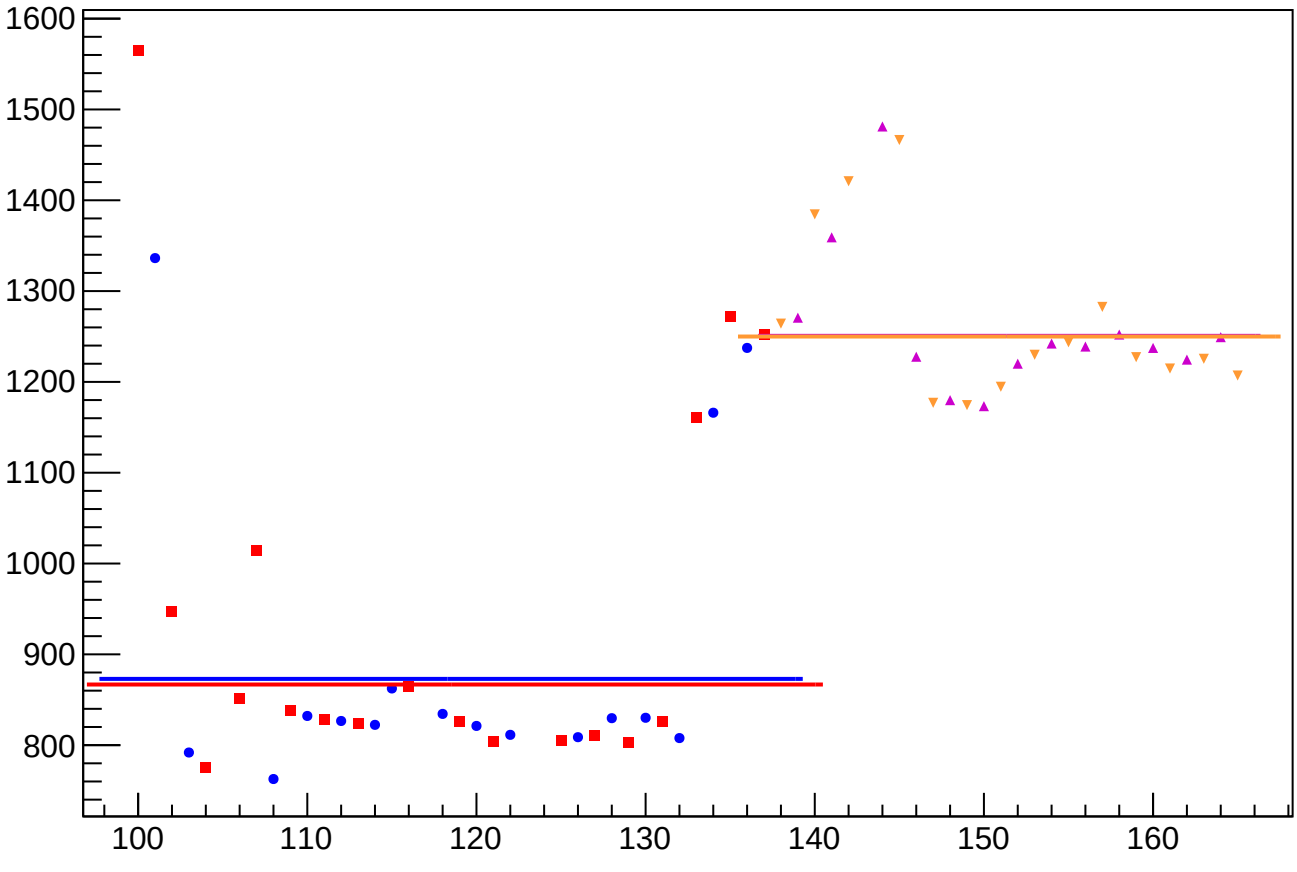
Left: -64.646+/-267.268 χ^2/NDF: 47.1/26

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -403.118+/-248.731 χ^2/NDF:19.6/28

Out: 183.095+/-247.654 χ^2/NDF:60.7/31

All: -108.740+/-175.497 χ^2/NDF: 83.2/60



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1249.963+/-0.267 χ^2/NDF:86603.0/13

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1250.718+/-0.268 χ^2/NDF:72059.2/12

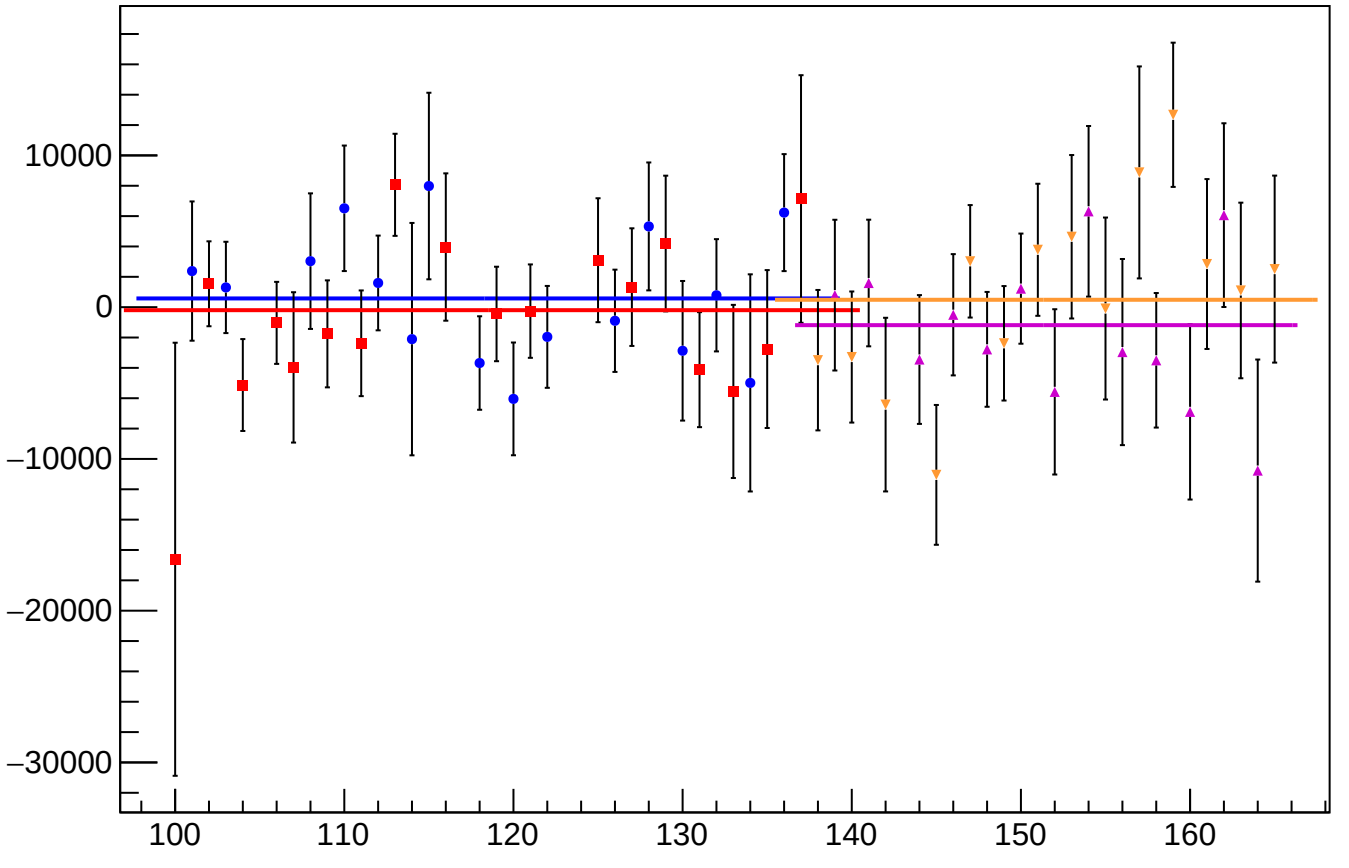
Left: 1250.340+/-0.189 χ^2/NDF: 158666.3/26

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1036.232+/-0.176 χ^2/NDF:1621171.0/28

Out: 1031.416+/-0.175 χ^2/NDF:1551670.9/31

All: 1033.812+/-0.124 χ^2/NDF: 3173218.6/60



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 486.798+/-1302.850 χ^2/NDF:19.8/13

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1184.962+/-1312.271 χ^2/NDF:8.4/12

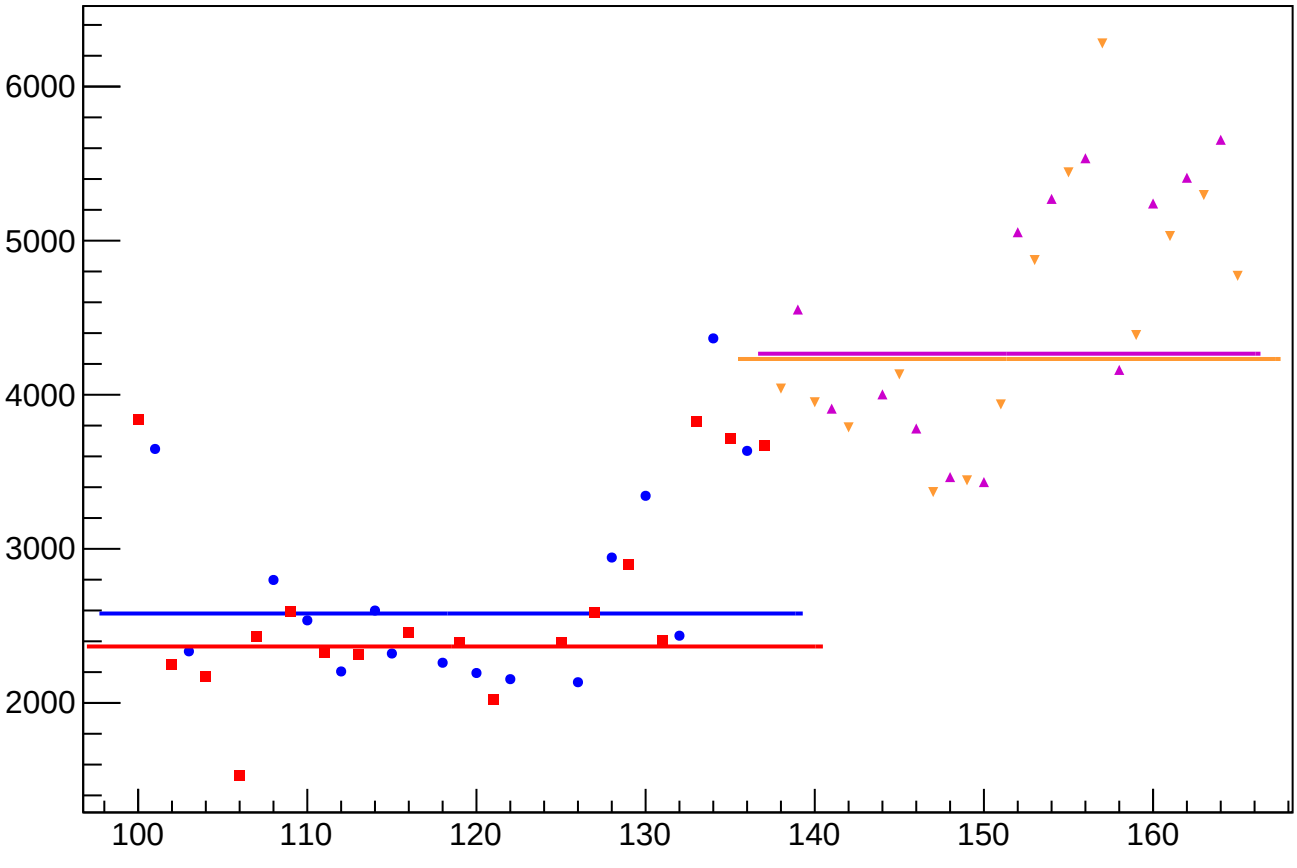
Left: -343.059+/-924.567 χ^2/NDF: 29.0/26

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -58.978+/-787.712 χ^2/NDF:24.3/28

Out: 21.290+/-737.211 χ^2/NDF:37.1/31

All: -16.189+/-538.255 χ^2/NDF: 61.4/60



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4232.094+/-0.921 χ^2/NDF:637618.1/13

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4266.376+/-0.928 χ^2/NDF:646019.3/12

Left: 4249.112+/-0.654 χ^2/NDF: 1284324.8/26

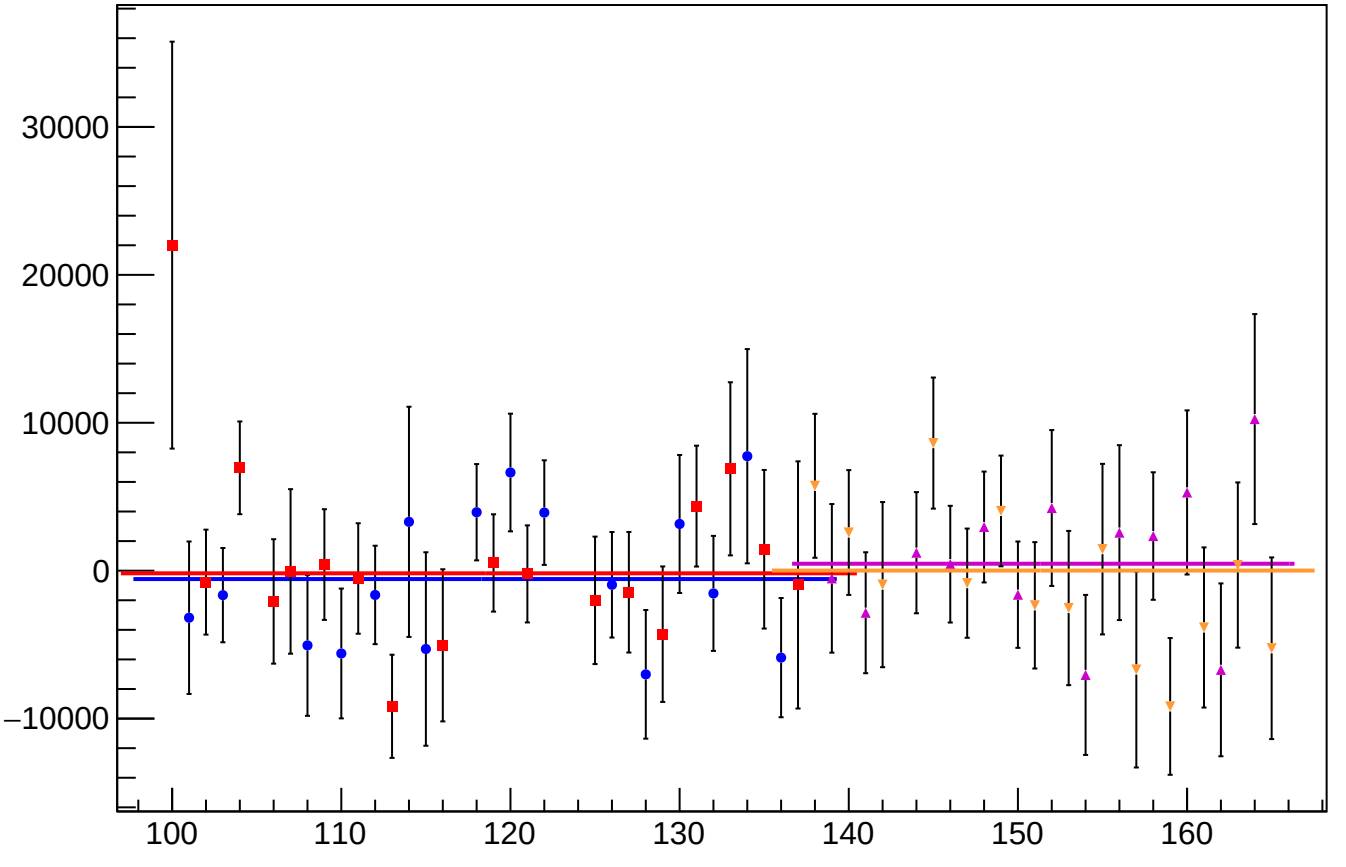
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3187.869+/-0.557 χ^2/NDF:3375043.1/28

Out: 2963.763+/-0.521 χ^2/NDF:4037448.6/31

All: 3068.403+/-0.381 χ^2/NDF: 7498788.9/60

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 9.423+/-1280.215 χ^2/NDF:13.6/13

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 470.301+/-1284.502 χ^2/NDF:8.4/12

Left: 239.091+/-906.760 χ^2/NDF: 22.1/26

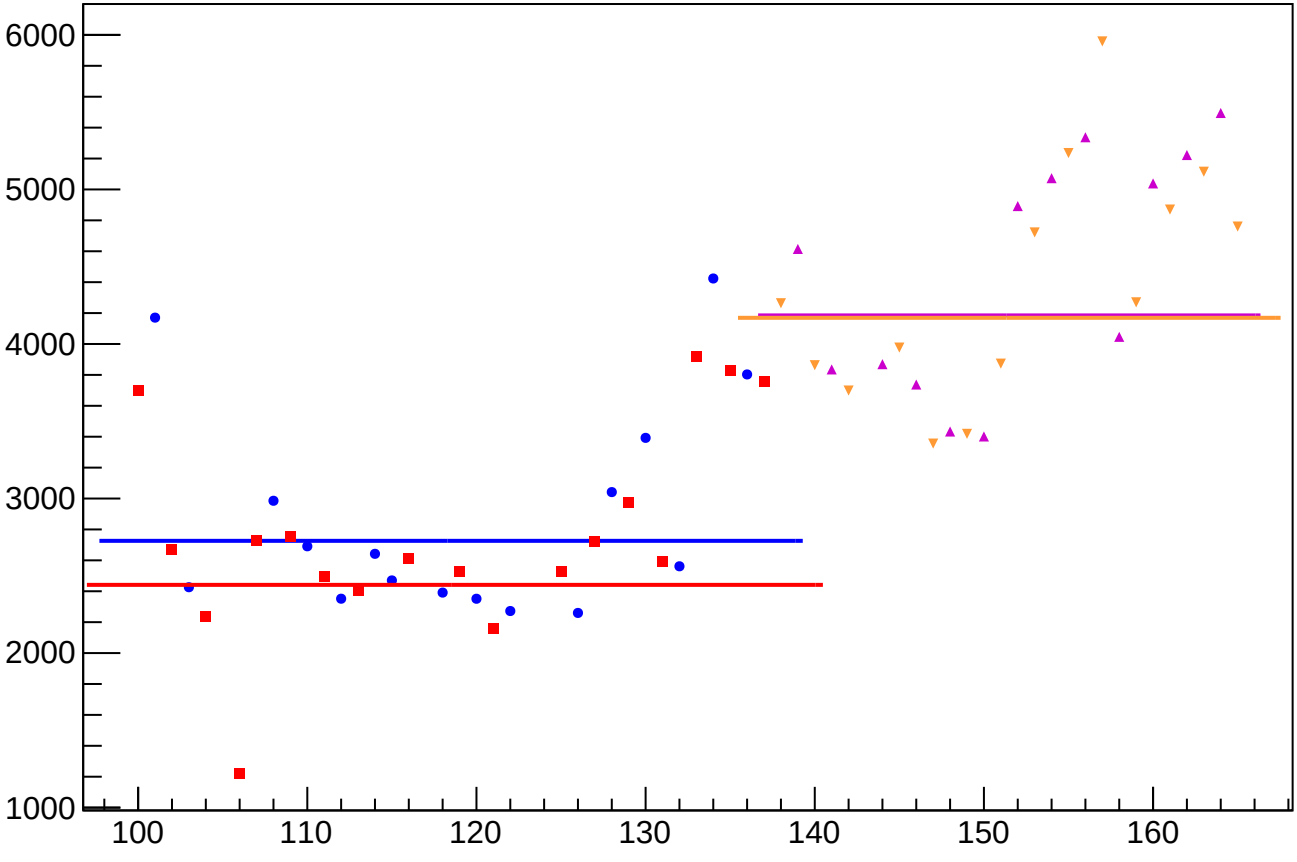
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -155.568+/-808.431 χ^2/NDF:25.0/28

Out: -108.373+/-782.356 χ^2/NDF:33.1/31

All: -131.197+/-562.201 χ^2/NDF: 58.2/60

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4169.366+/-0.905 χ^2/NDF:563593.6/13

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4184.940+/-0.908 χ^2/NDF:588754.1/12

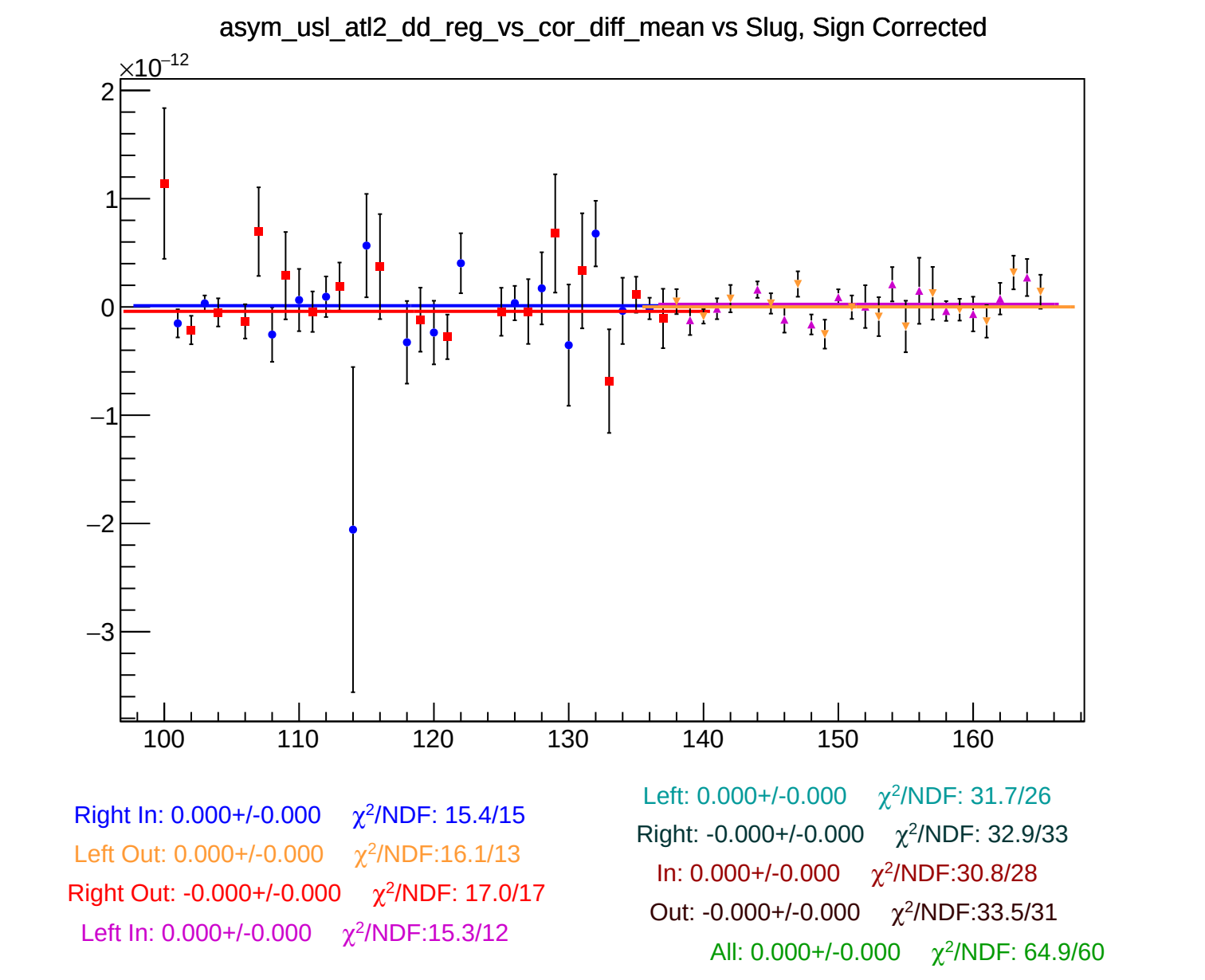
Left: 4177.127+/-0.641 χ^2/NDF: 1152495.2/26

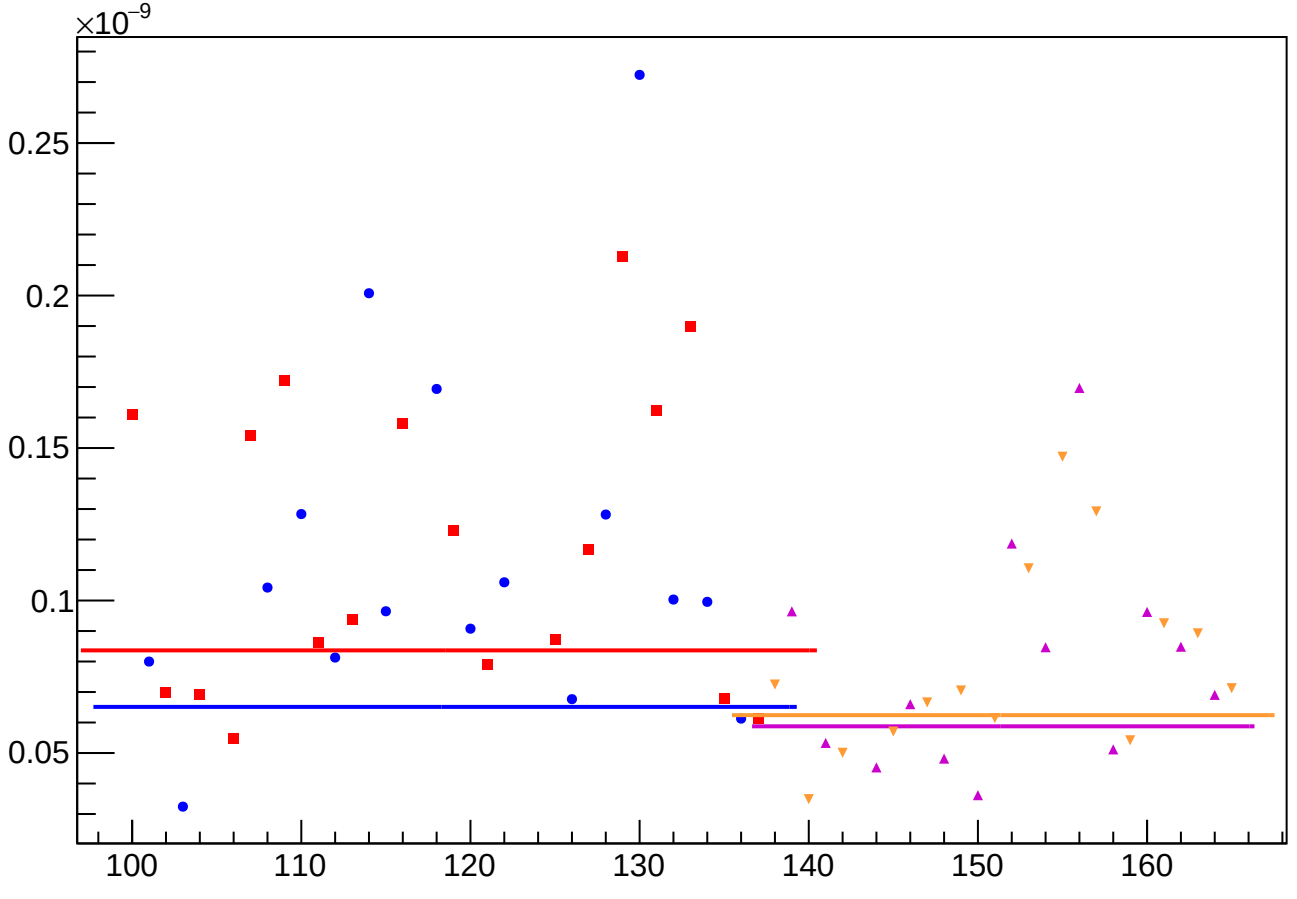
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3304.041+/-0.572 χ^2/NDF:2769433.3/28

Out: 3049.322+/-0.537 χ^2/NDF:3816529.8/31

All: 3168.717+/-0.391 χ^2/NDF: 6691445.7/60


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/13
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:15.3/12
Left: 0.000+/-0.000 χ²/NDF: 31.7/26
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:30.8/28
Out: -0.000+/-0.000 χ²/NDF:33.5/31
All: 0.000+/-0.000 χ²/NDF: 64.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1097131.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1141369.5/12

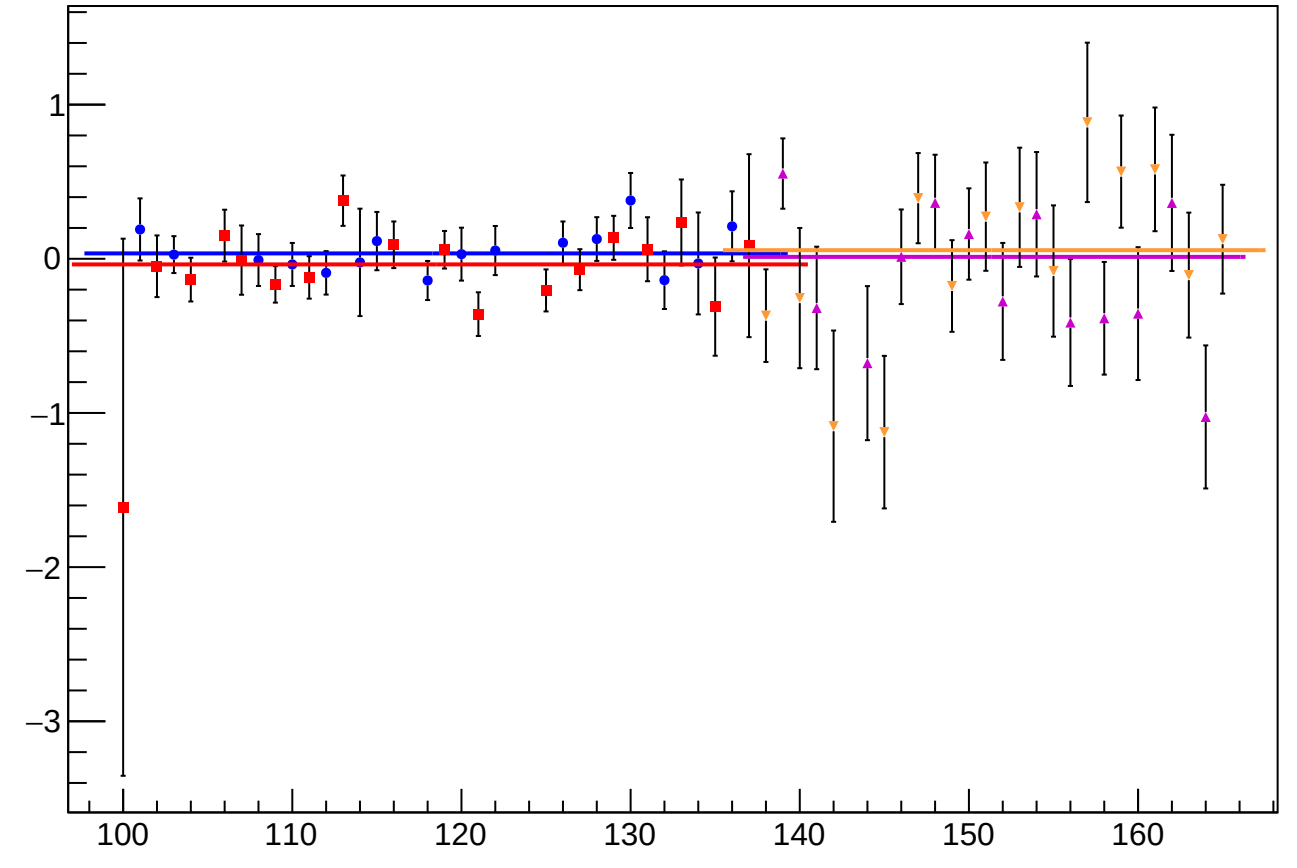
Left: 0.000+/-0.000 χ^2/NDF: 2251925.3/26

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2391811.7/28

Out: 0.000+/-0.000 χ^2/NDF:2022004.6/31

All: 0.000+/-0.000 χ^2/NDF: 4486702.6/60



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

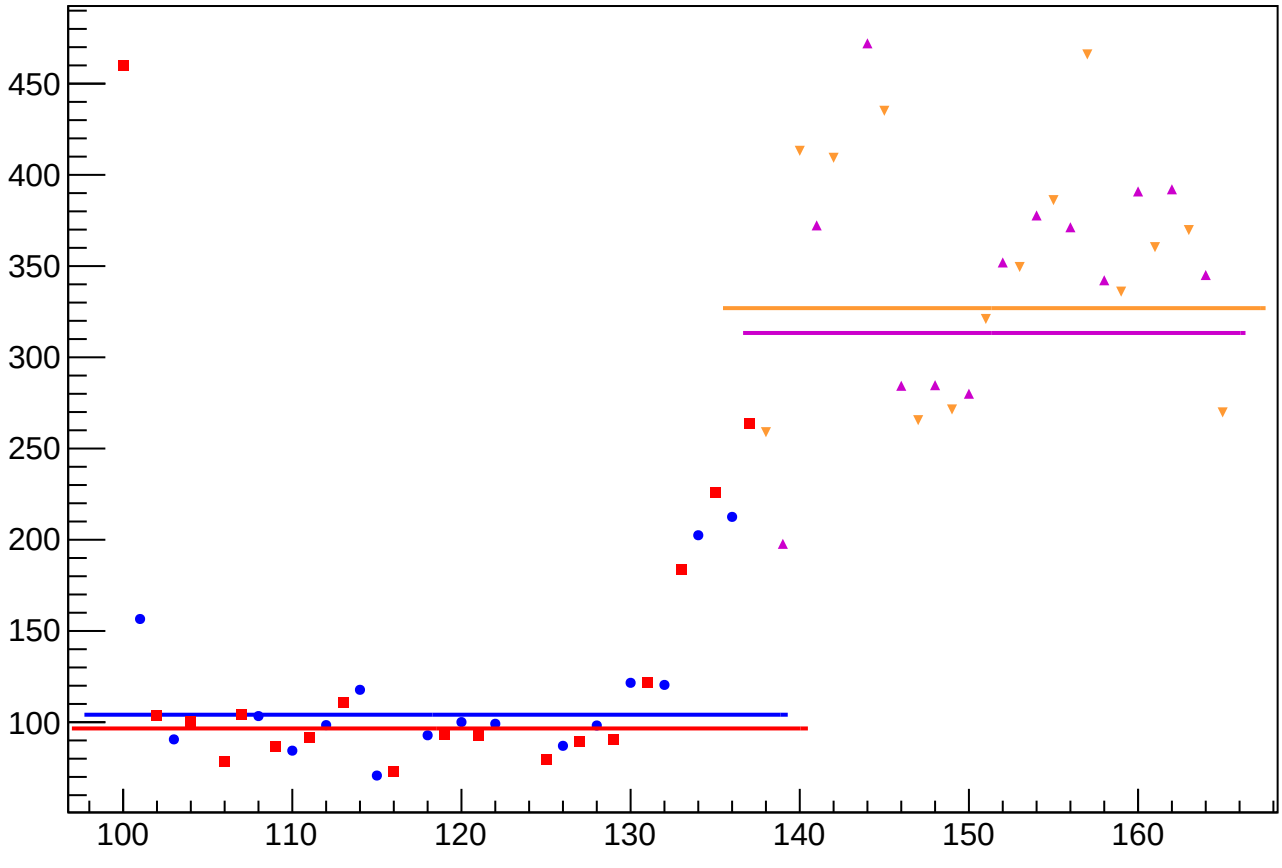
Left: 0.034+/-0.071 χ^2/NDF: 40.4/26

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.002+/-0.026 χ^2/NDF: 74.0/60



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.951+/-0.072 χ^2/NDF:743856.3/13

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

Left: 319.946+/-0.050 χ^2/NDF: 1843249.5/26

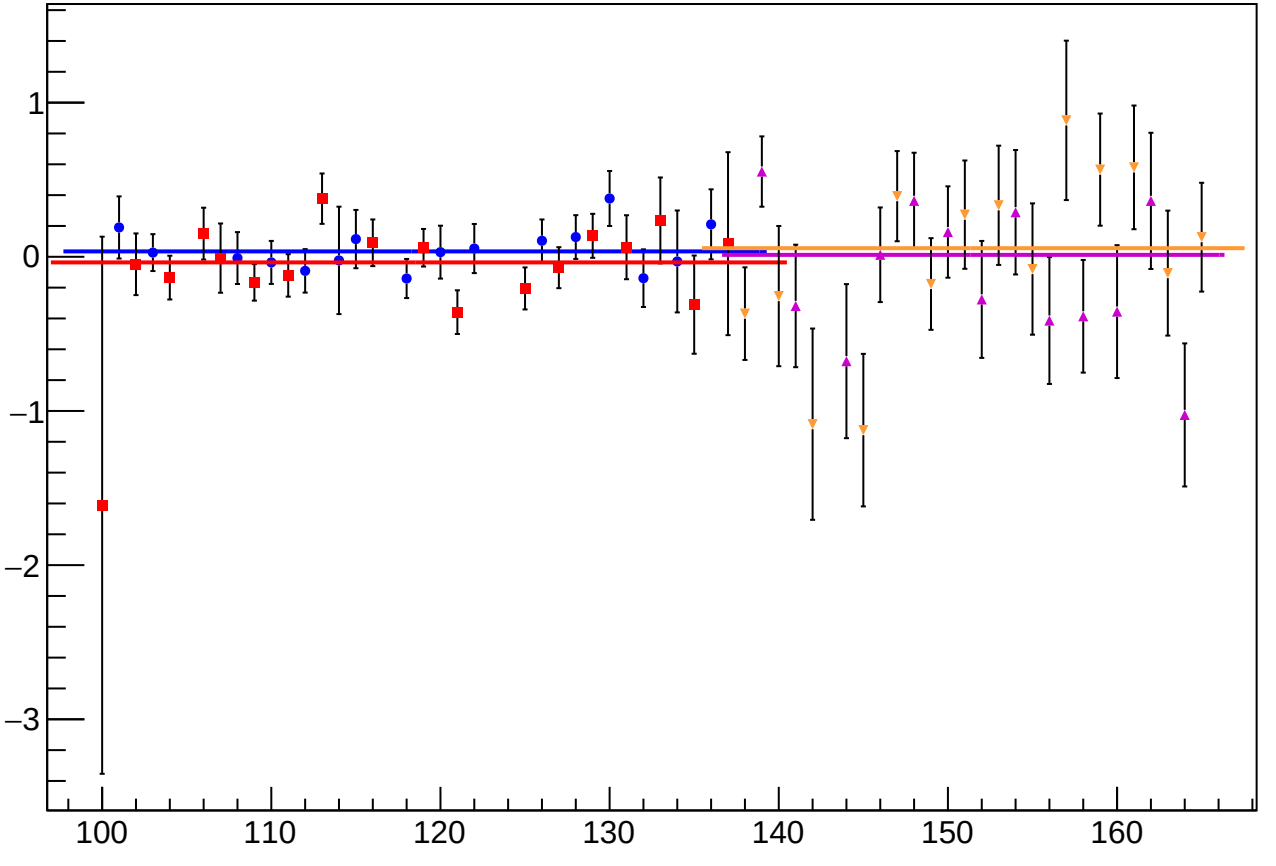
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 135.142+/-0.027 χ^2/NDF:9787159.8/28

Out: 126.200+/-0.026 χ^2/NDF:10721874.1/31

All: 130.484+/-0.019 χ^2/NDF: 20567138.7/60

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

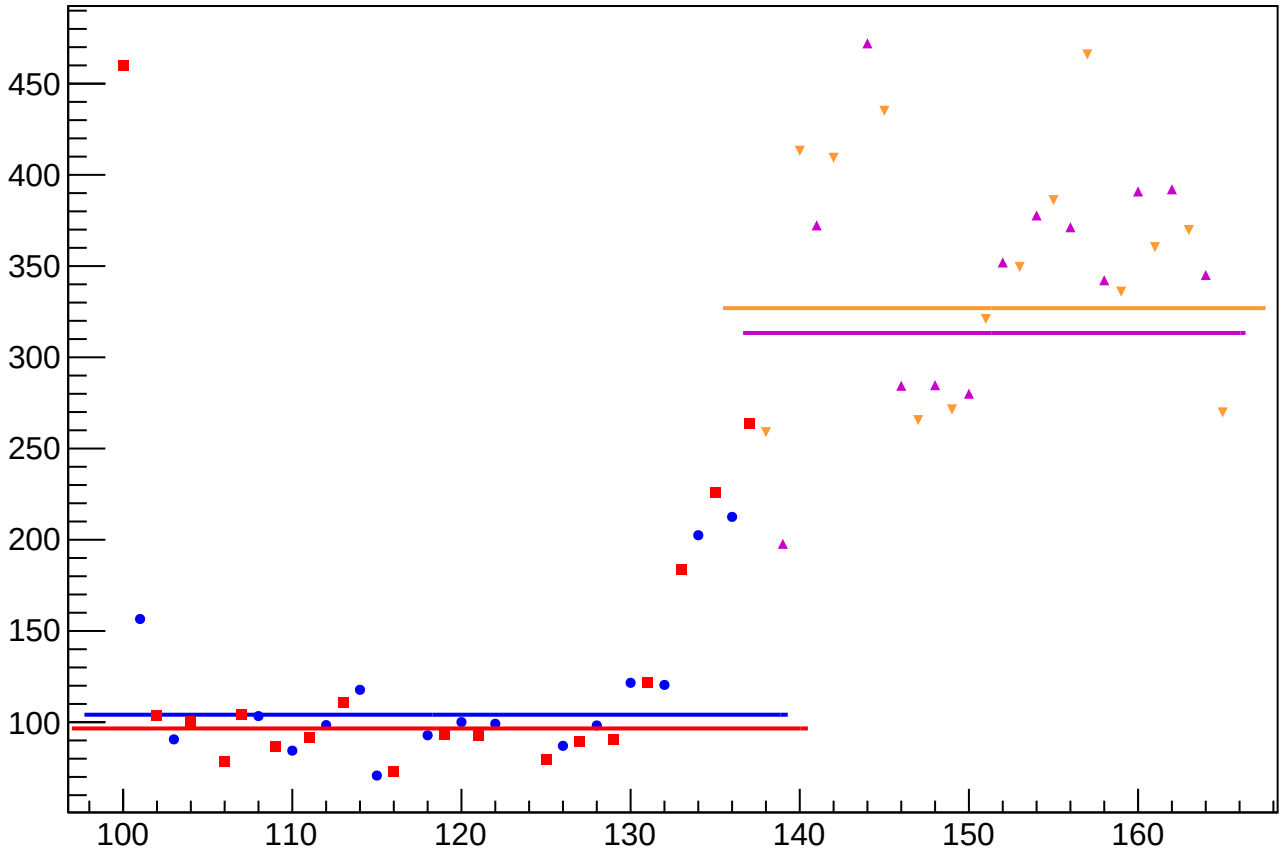
Left: 0.034+/-0.071 χ^2/NDF: 40.4/26

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.002+/-0.026 χ^2/NDF: 74.0/60



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.951+/-0.072 χ^2/NDF:743856.3/13

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

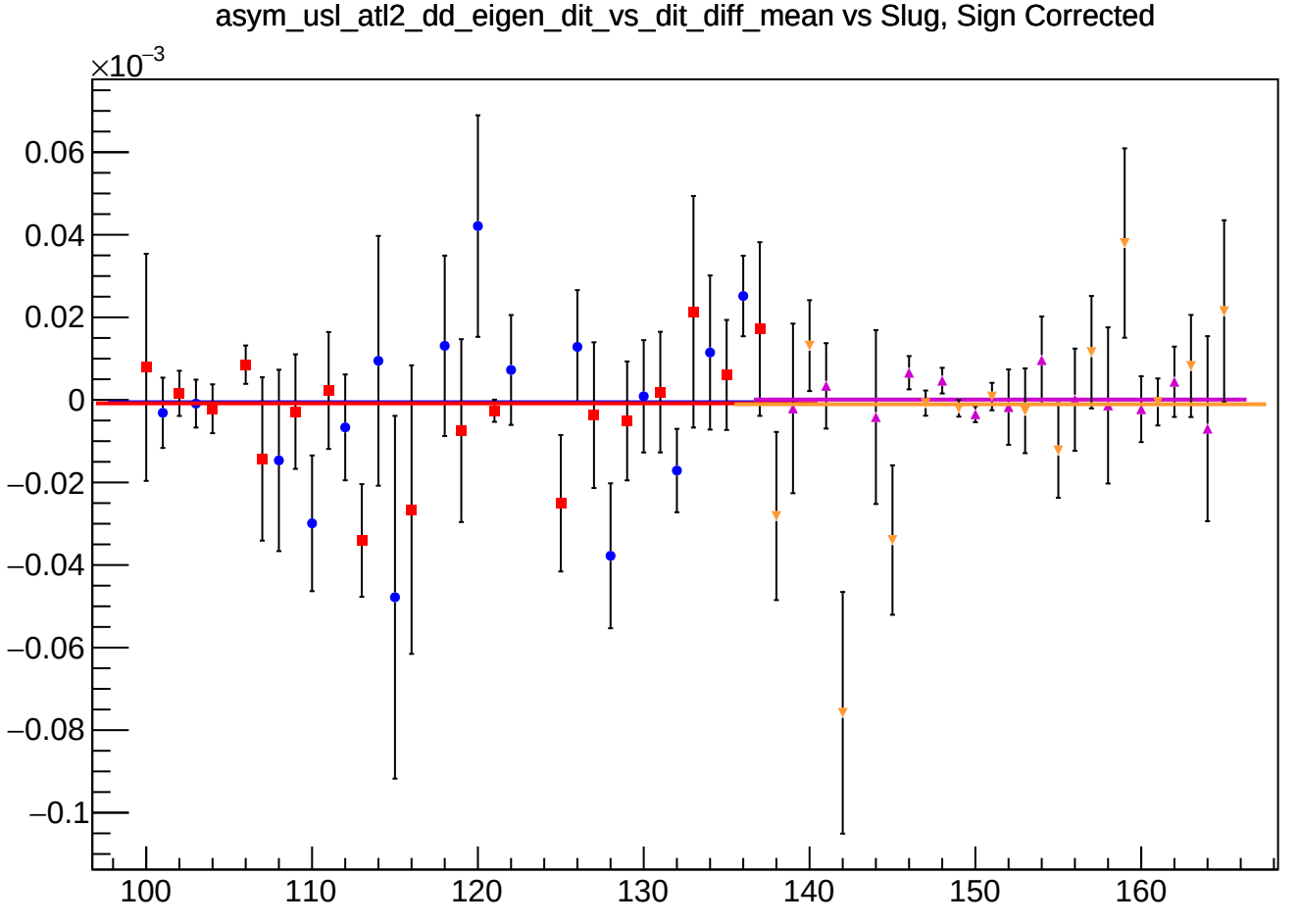
Left: 319.946+/-0.050 χ^2/NDF: 1843249.5/26

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 135.142+/-0.027 χ^2/NDF:9787159.8/28

Out: 126.200+/-0.026 χ^2/NDF:10721874.1/31

All: 130.484+/-0.019 χ^2/NDF: 20567138.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/12

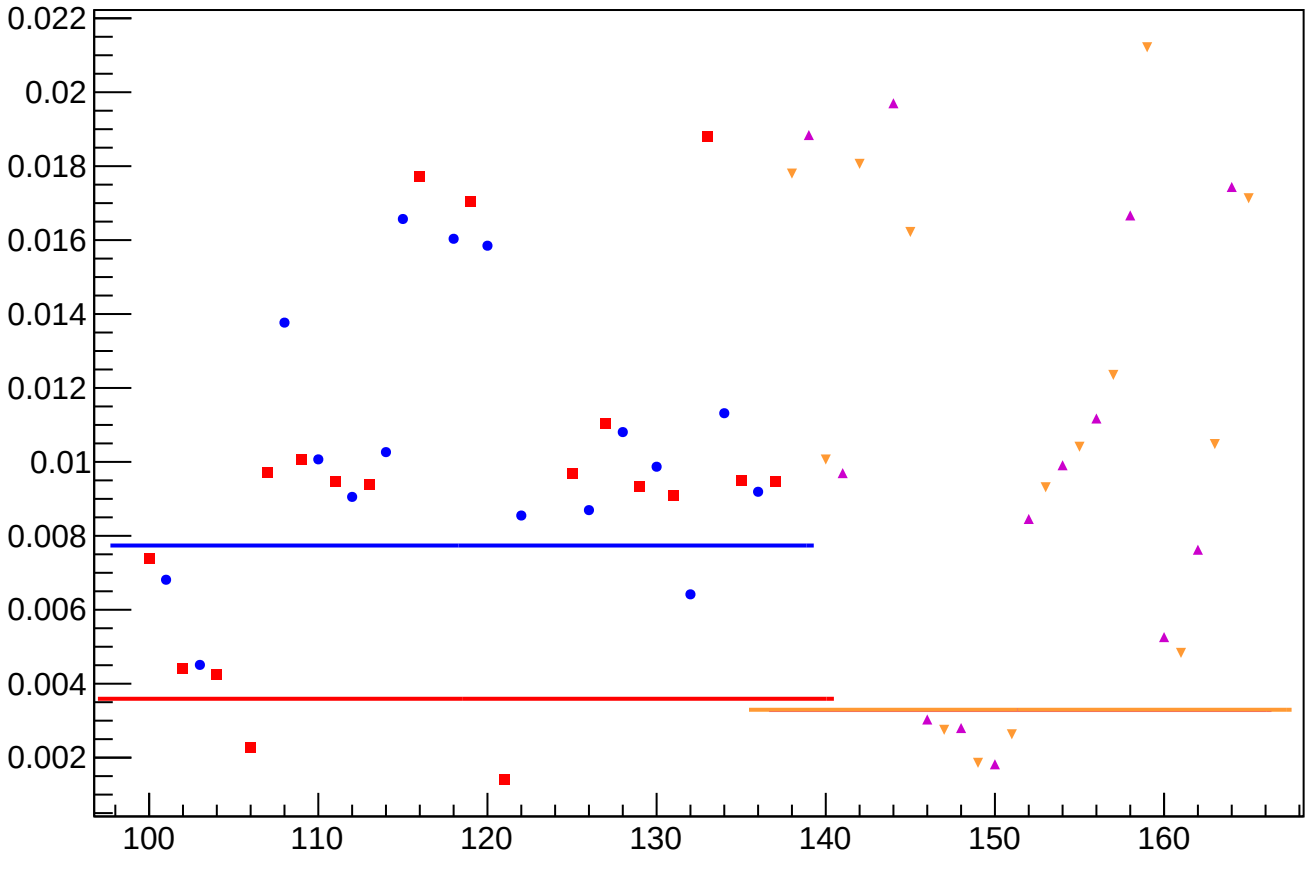
Left: -0.000+/-0.000 χ^2/NDF: 30.1/26

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.7/28

Out: -0.000+/-0.000 χ^2/NDF:36.0/31

All: -0.000+/-0.000 χ^2/NDF: 70.0/60



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:9608892.2/13

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9028620.9/12

Left: 0.003+/-0.000 χ^2/NDF: 18637539.6/26

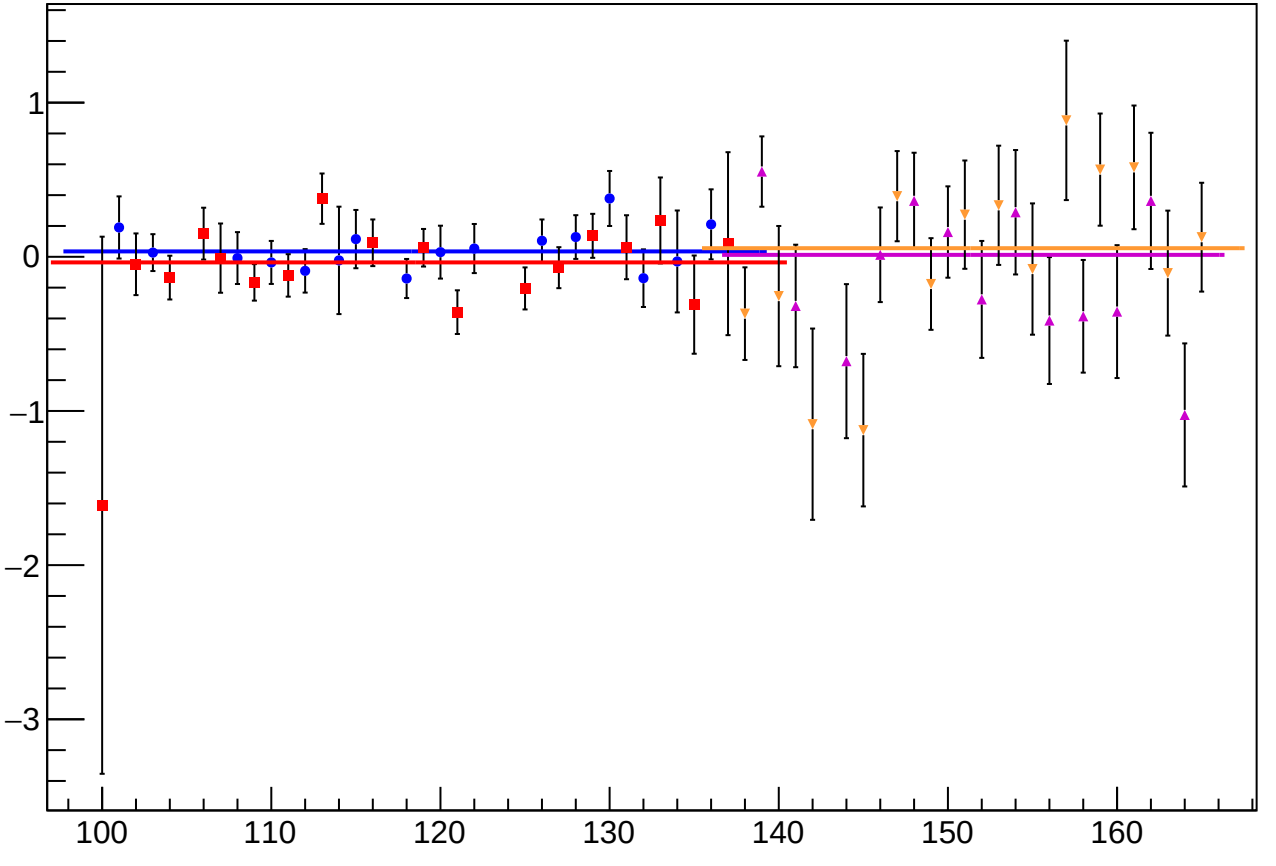
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14133402.0/28

Out: 0.003+/-0.000 χ^2/NDF:16006991.3/31

All: 0.004+/-0.000 χ^2/NDF: 30420648.2/60

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

Left: 0.034+/-0.071 χ^2/NDF: 40.4/26

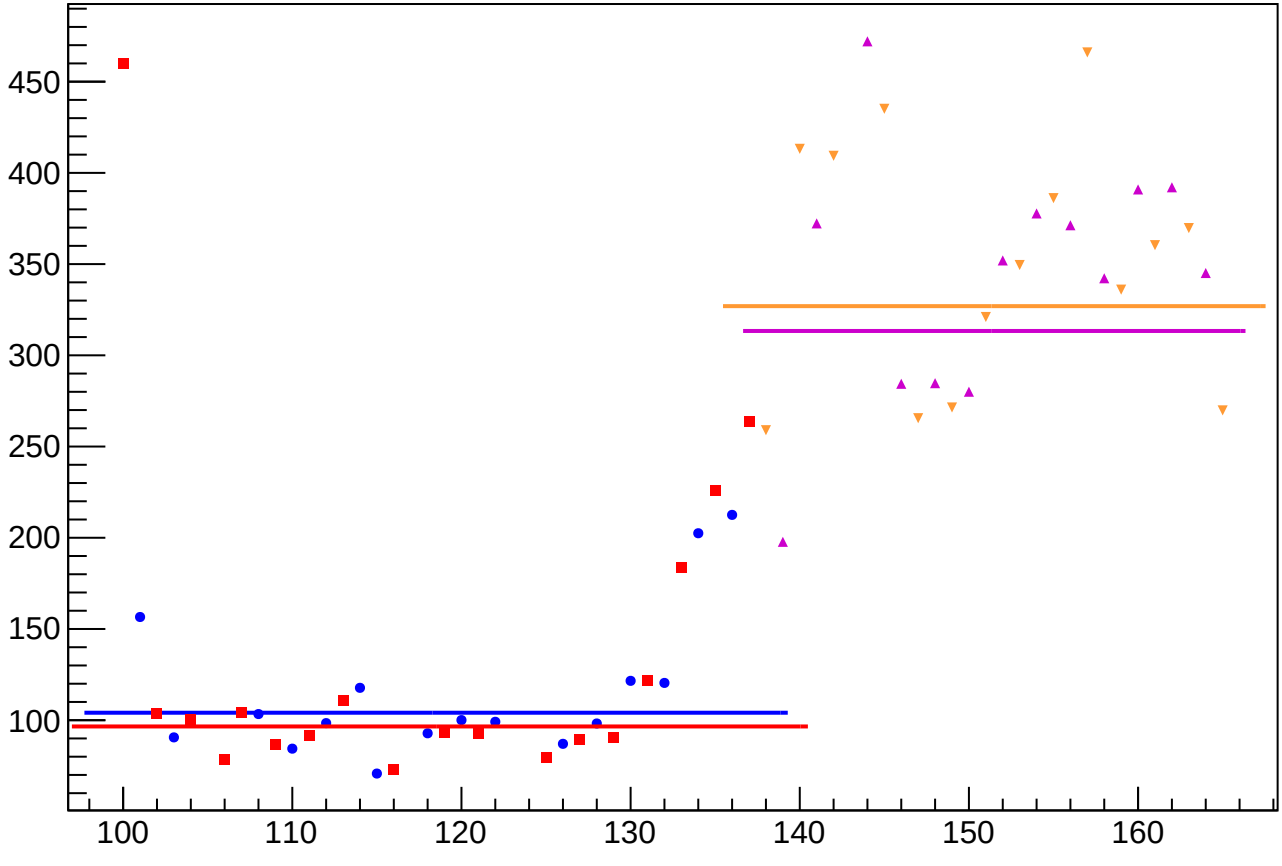
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.002+/-0.026 χ^2/NDF: 74.0/60

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.955+/-0.072 χ^2/NDF:743895.0/13

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

Left: 319.950+/-0.050 χ^2/NDF: 1843276.3/26

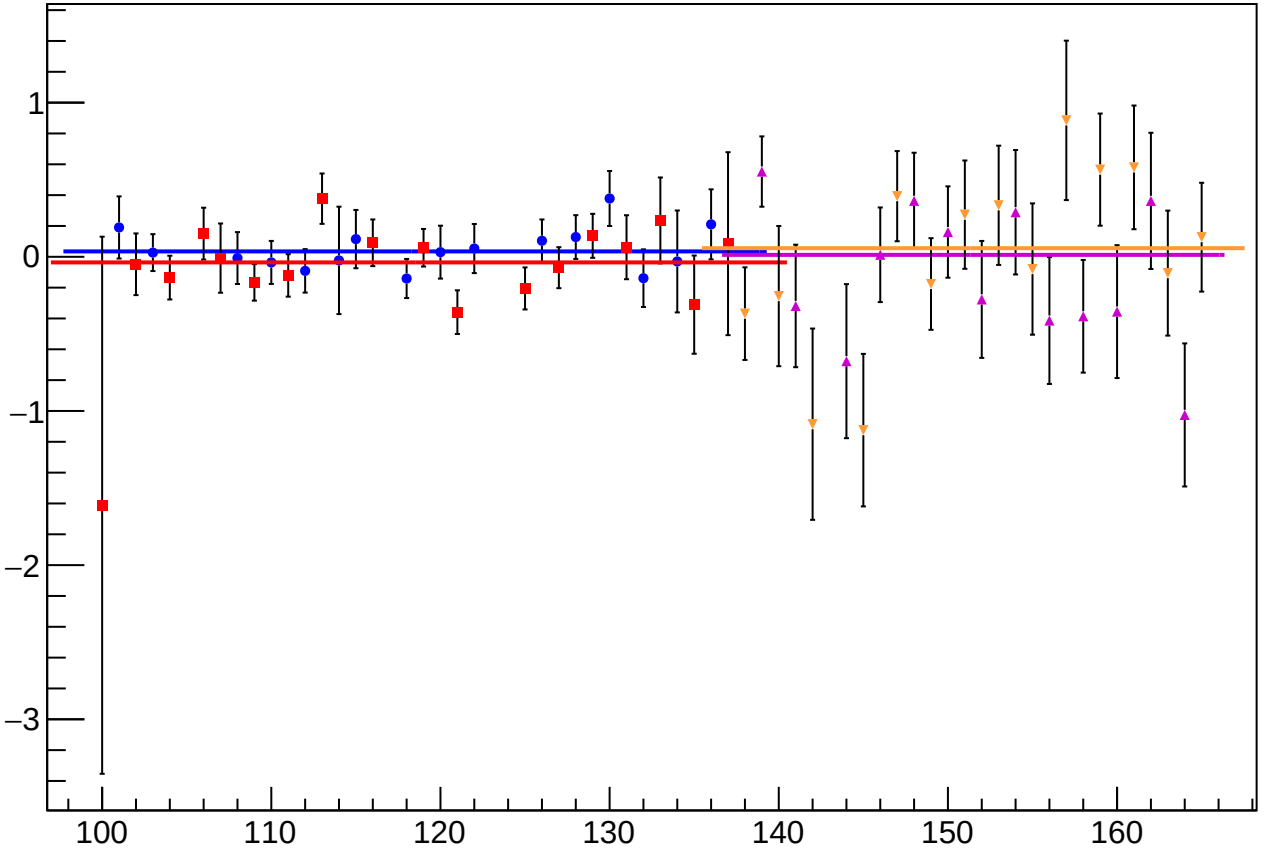
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 135.143+/-0.027 χ^2/NDF:9787181.3/28

Out: 126.201+/-0.026 χ^2/NDF:10721833.0/31

All: 130.485+/-0.019 χ^2/NDF: 20567111.8/60

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

Left: 0.034+/-0.071 χ^2/NDF: 40.4/26

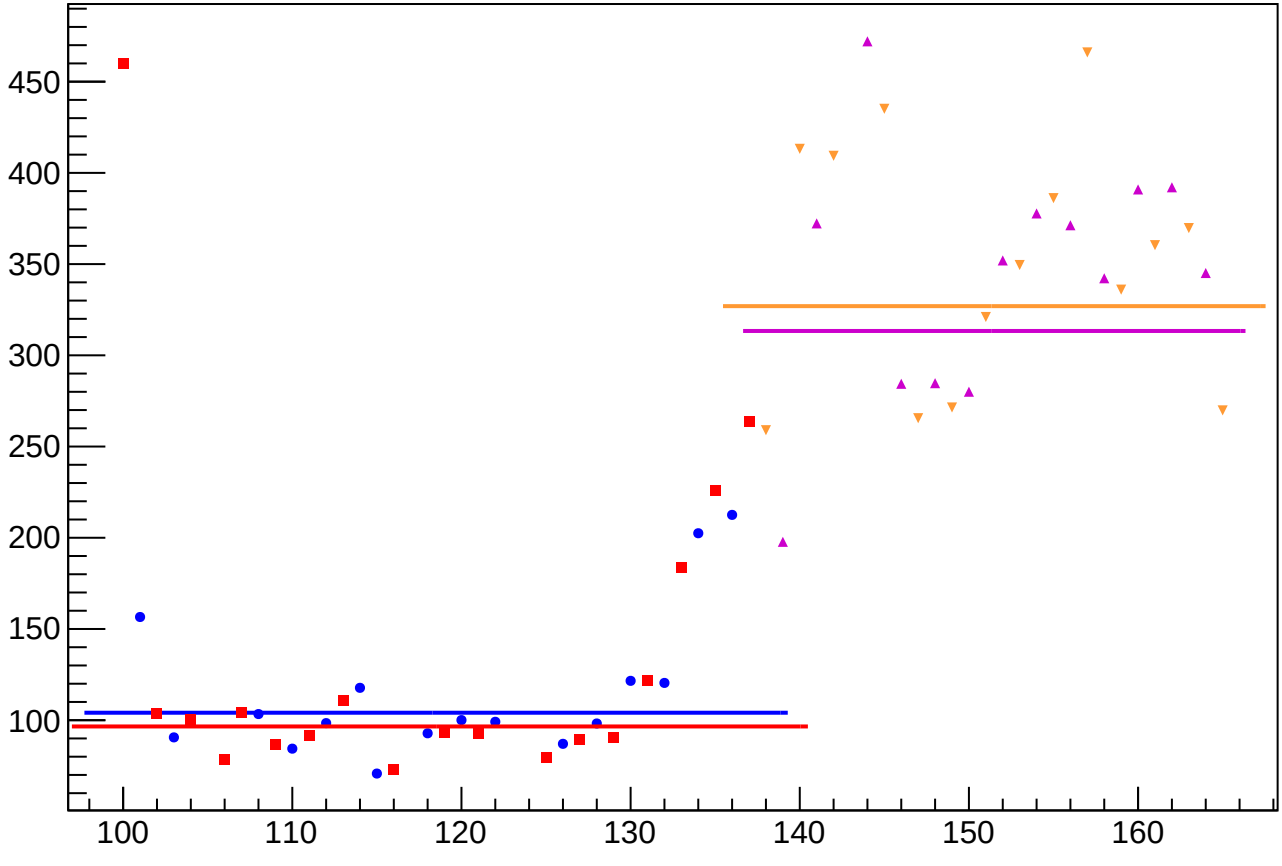
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.002+/-0.026 χ^2/NDF: 74.0/60

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: 326.955+/-0.072 χ^2/NDF:743895.0/13

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

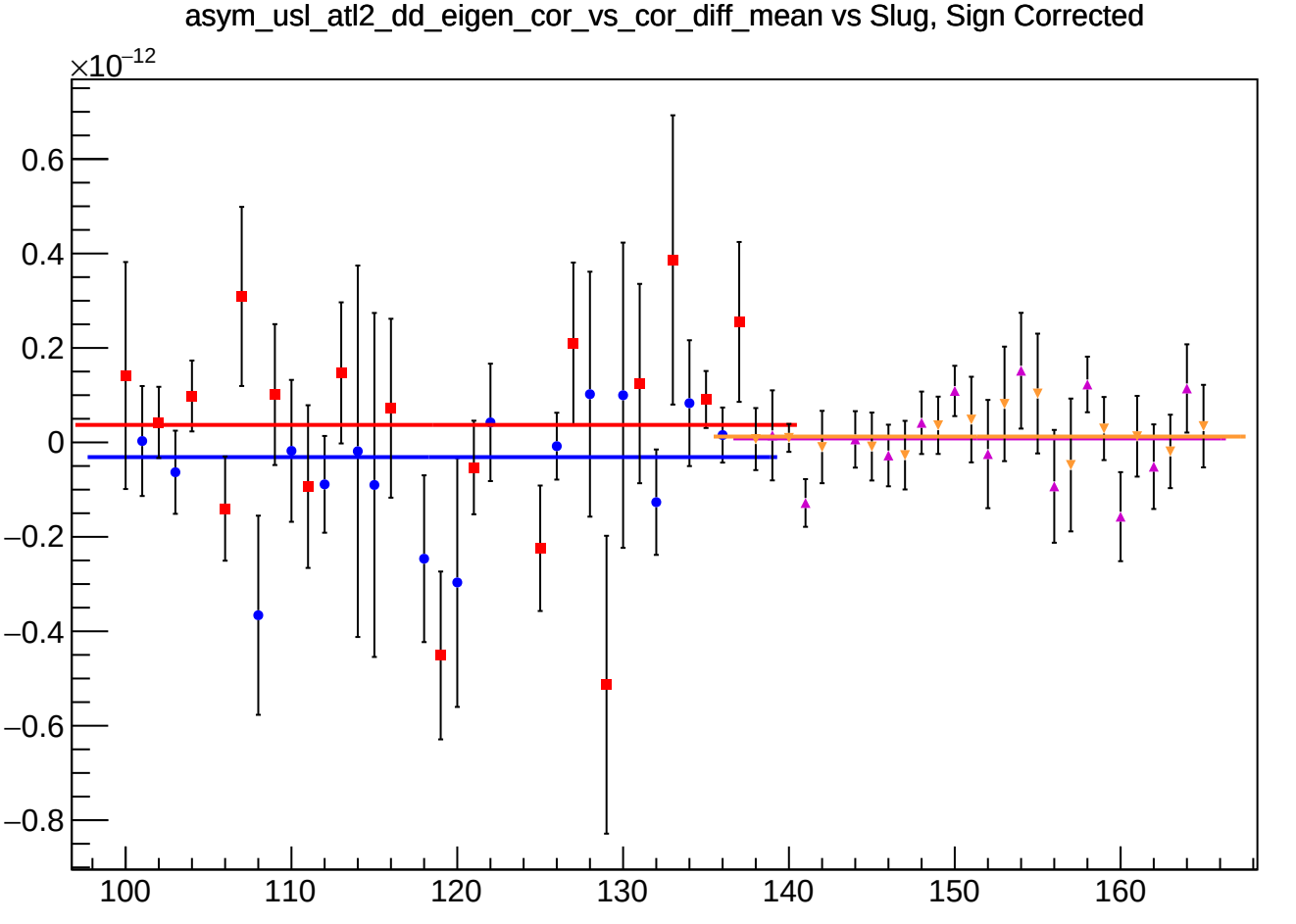
Left: 319.950+/-0.050 χ^2/NDF: 1843276.3/26

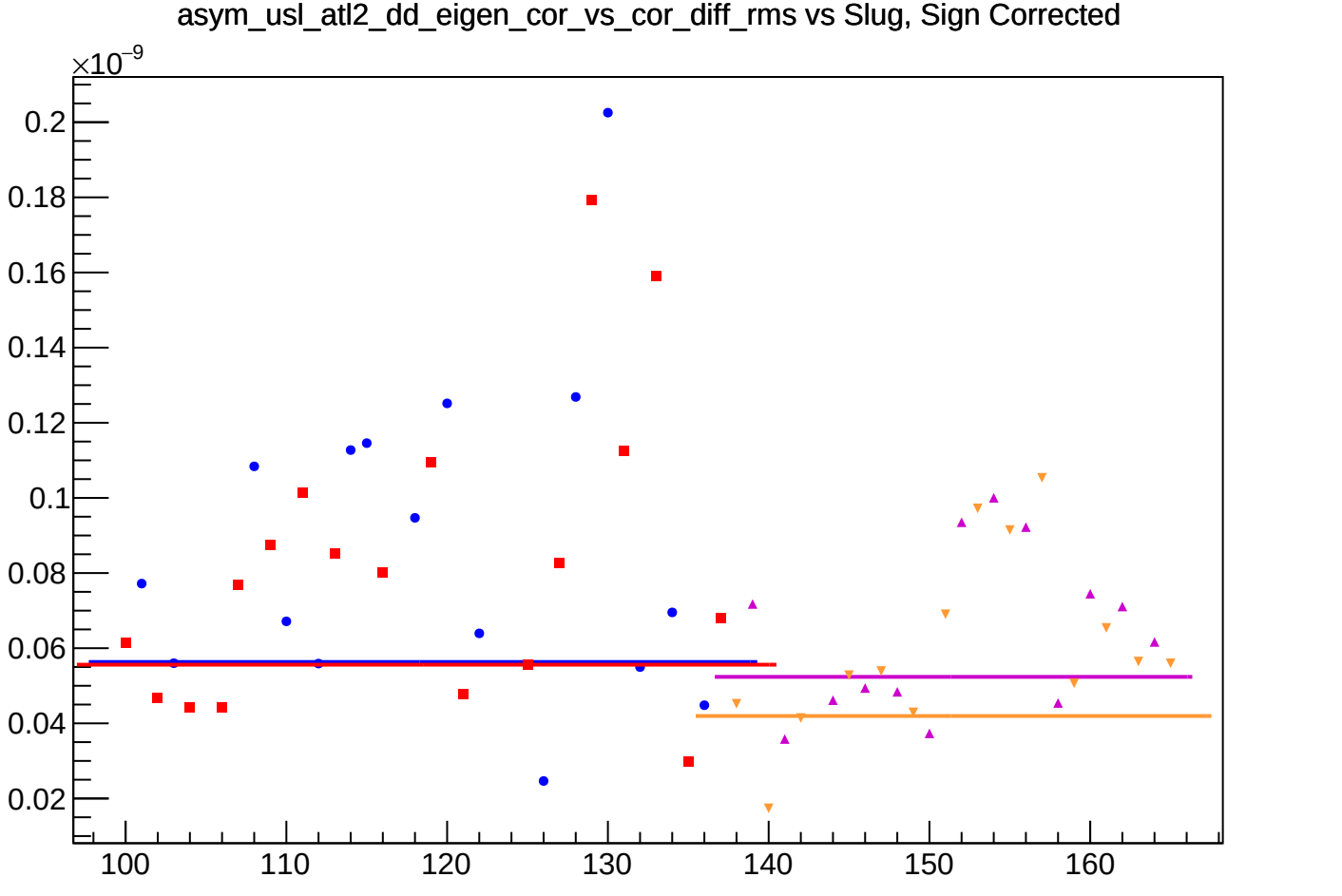
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 135.143+/-0.027 χ^2/NDF:9787181.3/28

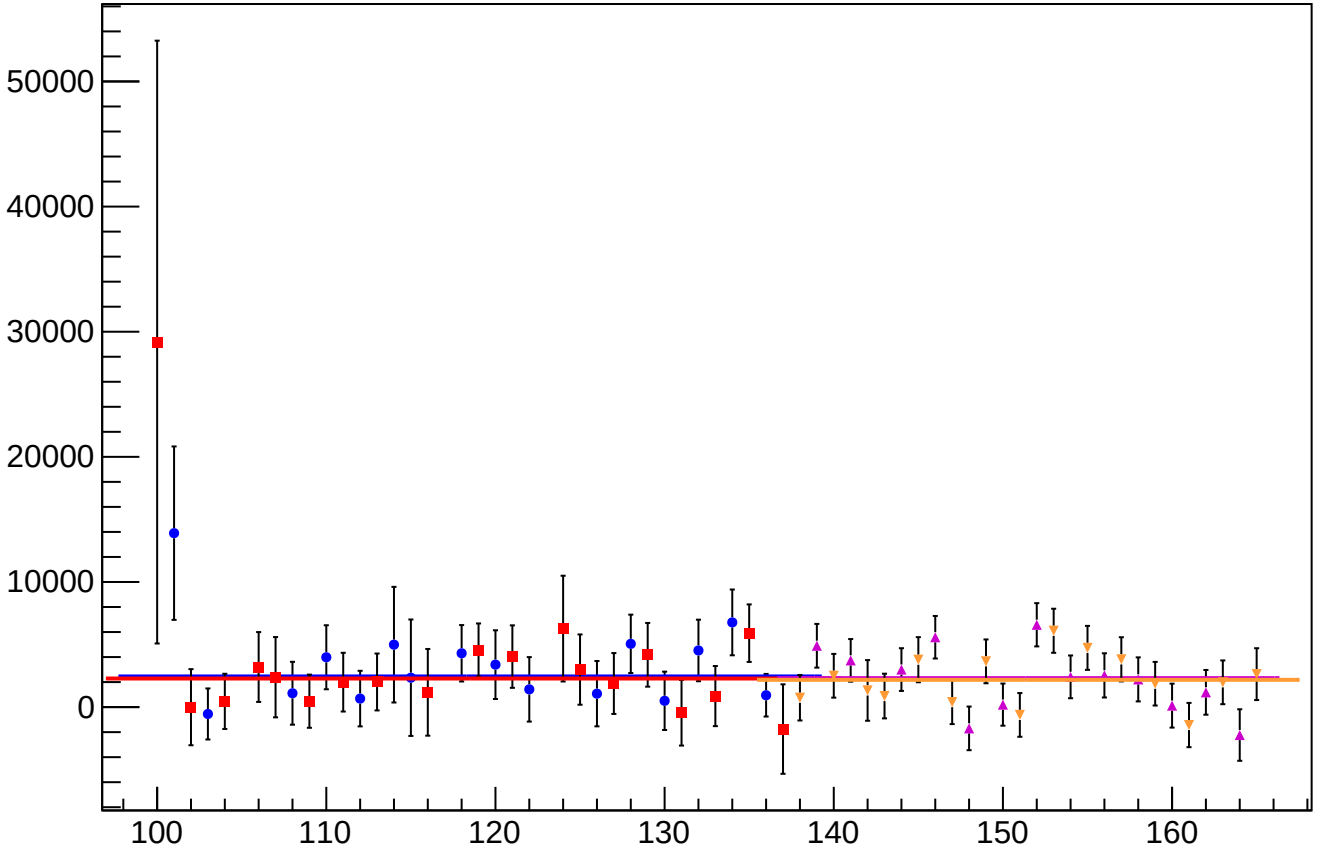
Out: 126.201+/-0.026 χ^2/NDF:10721833.0/31

All: 130.485+/-0.019 χ^2/NDF: 20567111.8/60


asym_usl_atl2_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
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:22.2/12
Left: 0.000+/-0.000 χ²/NDF: 24.3/26
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:32.0/28
Out: 0.000+/-0.000 χ²/NDF:29.7/31
All: 0.000+/-0.000 χ²/NDF: 62.8/60


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3093906.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1517481.1/12
Left: 0.000+/-0.000 χ²/NDF: 4910903.8/26
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3124653.6/28
Out: 0.000+/-0.000 χ²/NDF:5187567.8/31
All: 0.000+/-0.000 χ²/NDF: 8558171.2/60

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.230+/-467.464 χ^2/NDF:18.6/14

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2314.976+/-485.721 χ^2/NDF:26.6/12

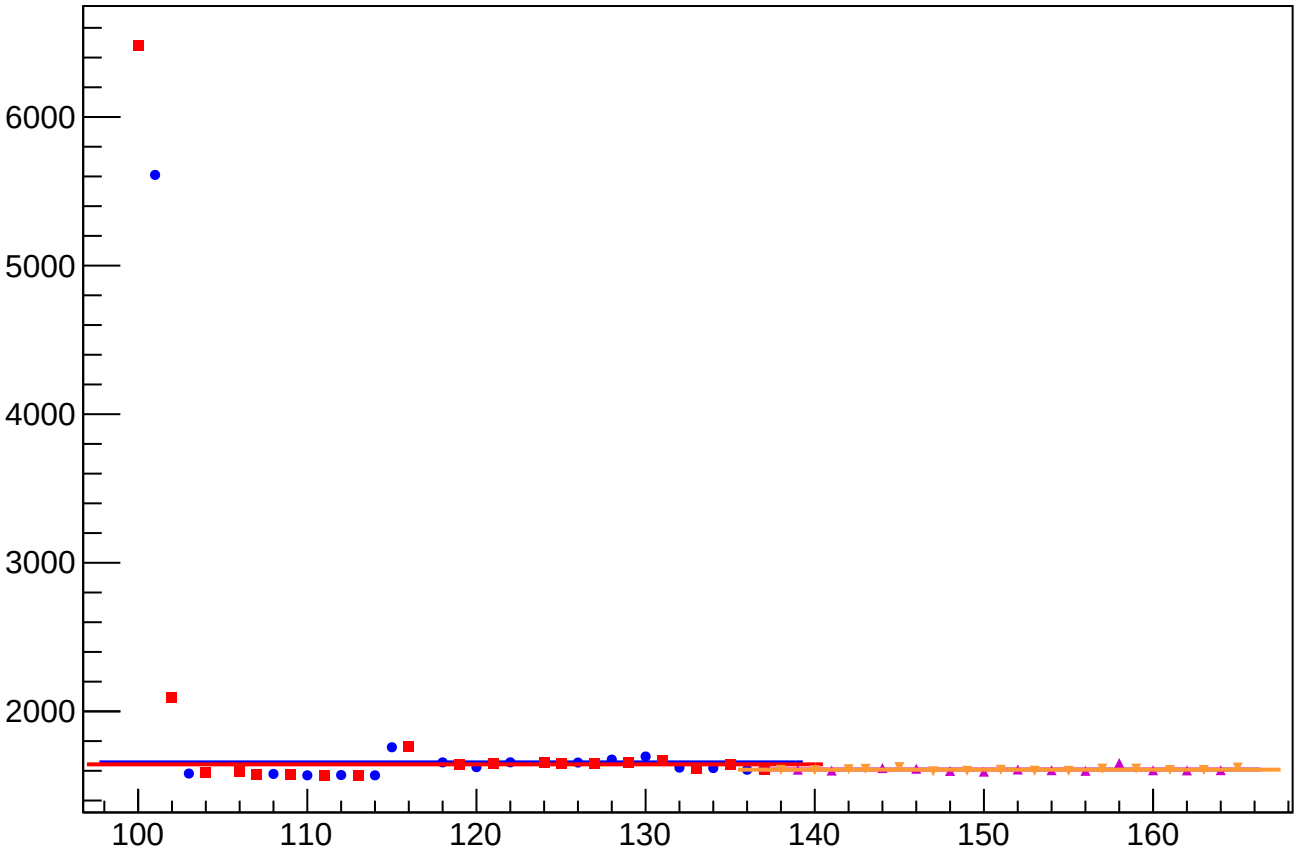
Left: 2245.542+/-336.816 χ^2/NDF: 45.2/27

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2365.275+/-384.721 χ^2/NDF:40.5/28

Out: 2220.273+/-370.852 χ^2/NDF:30.5/33

All: 2290.113+/-267.000 χ^2/NDF: 71.0/62



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

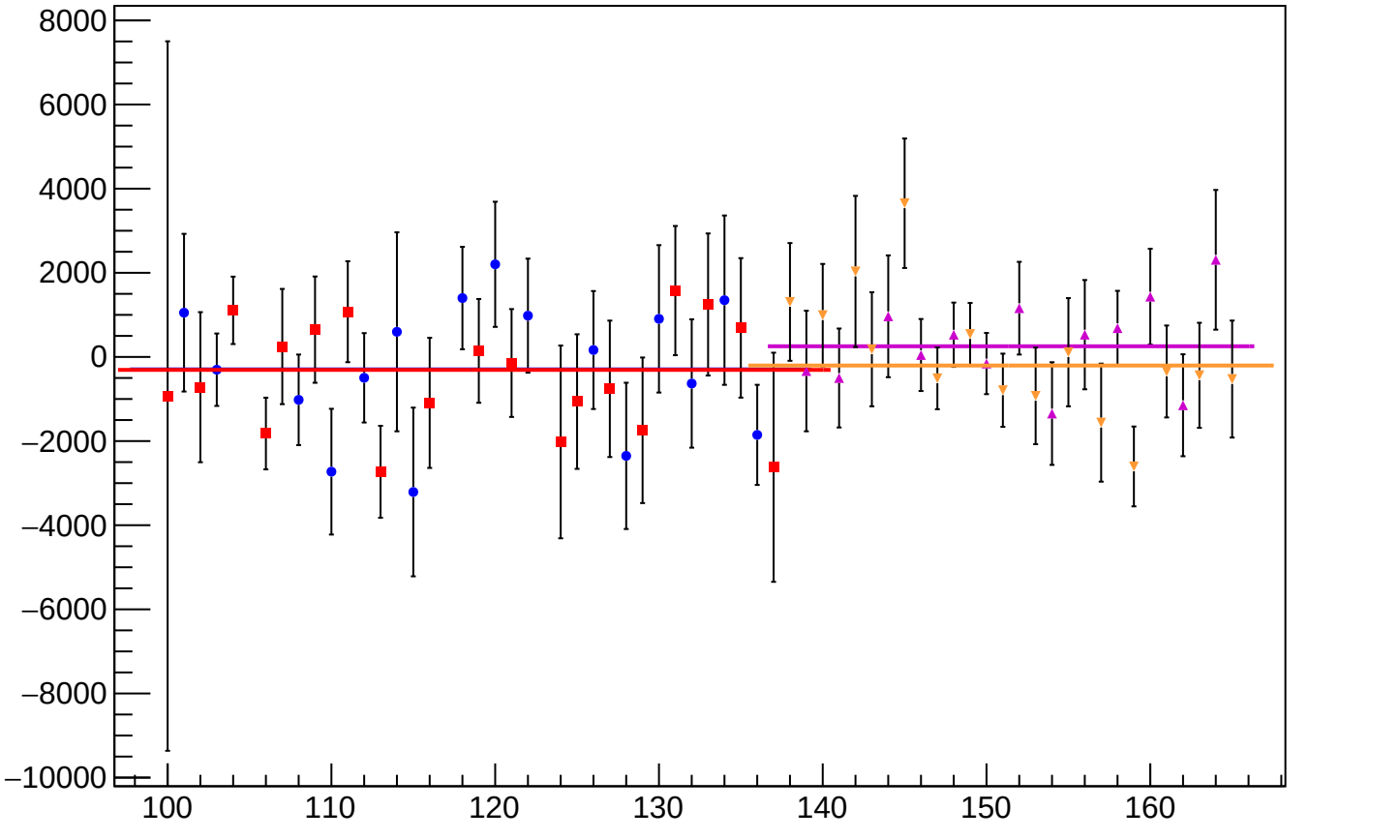
Left: 1608.262+/-0.238 χ^2/NDF: 2242.3/27

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1626.643+/-0.272 χ^2/NDF:675149.6/28

Out: 1620.983+/-0.262 χ^2/NDF:141870.2/33

All: 1623.709+/-0.189 χ^2/NDF: 817244.2/62



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -204.139+/-283.411 χ^2/NDF:19.6/14

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 253.800+/-290.741 χ^2/NDF:7.9/12

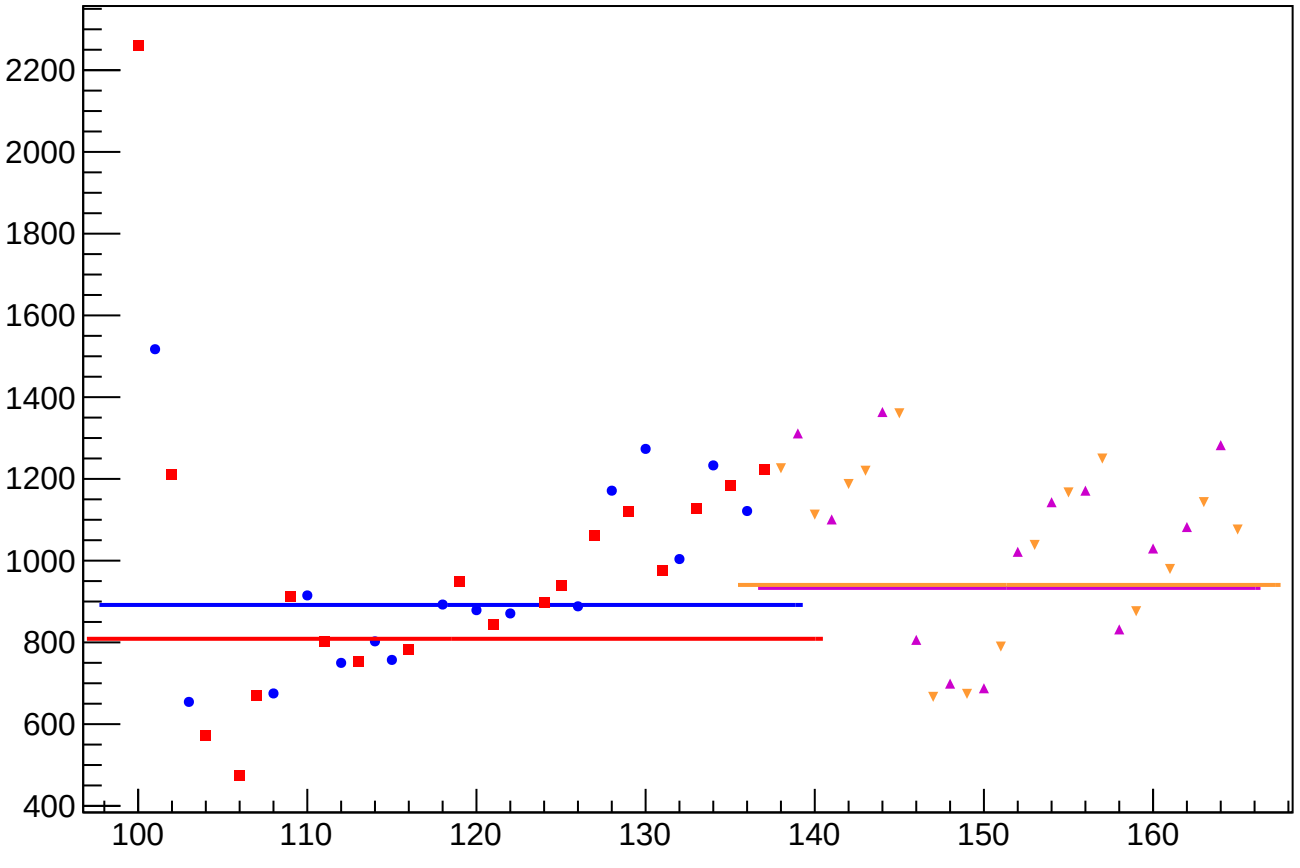
Left: 18.985+/-202.944 χ^2/NDF: 28.8/27

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: 24.083+/-221.903 χ^2/NDF:25.4/28

Out: -250.785+/-210.079 χ^2/NDF:38.4/33

All: -120.869+/-152.557 χ^2/NDF: 64.6/62



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 940.608+/-0.200 χ^2/NDF:1250753.9/14

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 933.339+/-0.206 χ^2/NDF:1114533.8/12

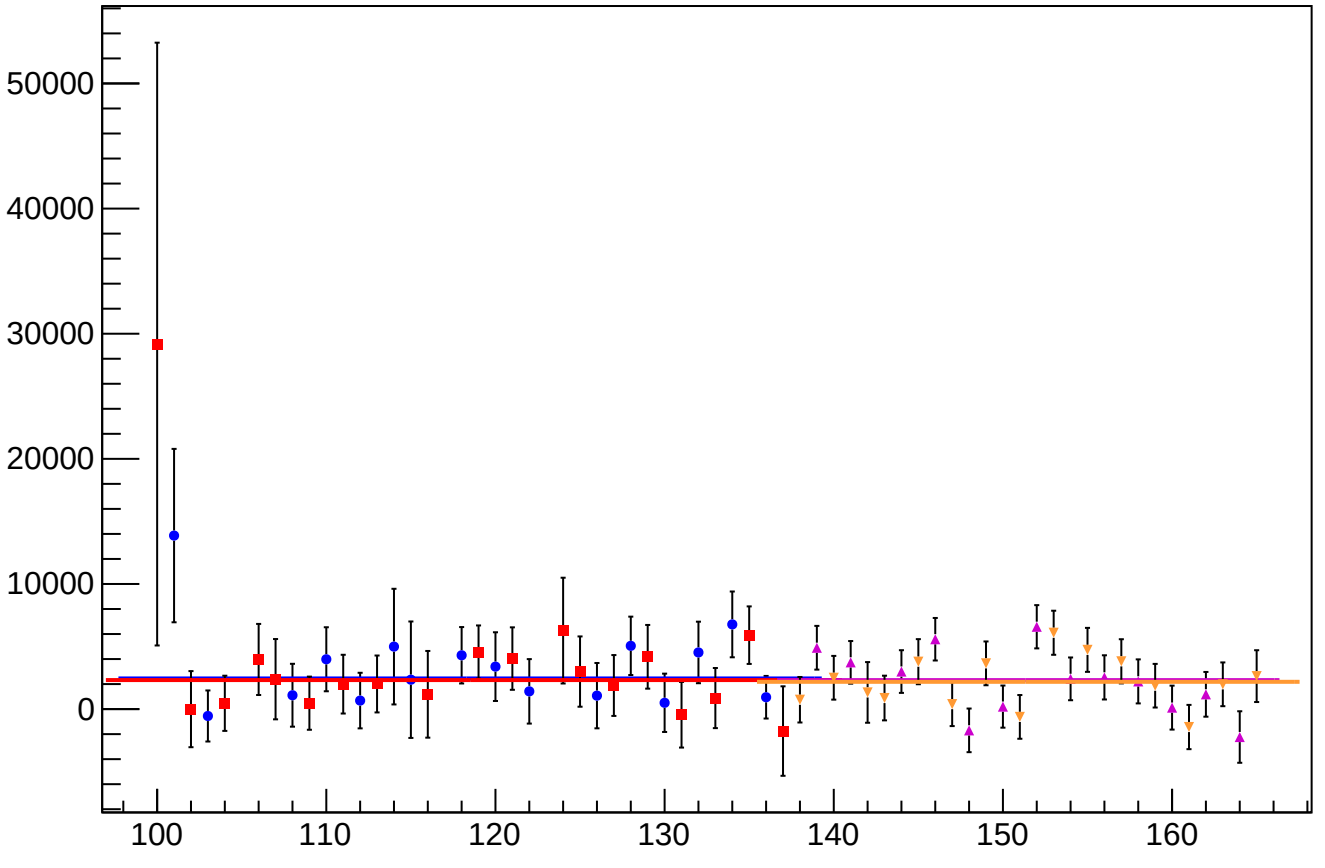
Left: 937.066+/-0.144 χ^2/NDF: 2365928.8/27

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 915.928+/-0.157 χ^2/NDF:1925611.7/28

Out: 881.226+/-0.149 χ^2/NDF:2529473.0/33

All: 897.628+/-0.108 χ^2/NDF: 4480876.9/62



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.207+/-467.464 χ^2/NDF:18.6/14

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2315.012+/-485.721 χ^2/NDF:26.6/12

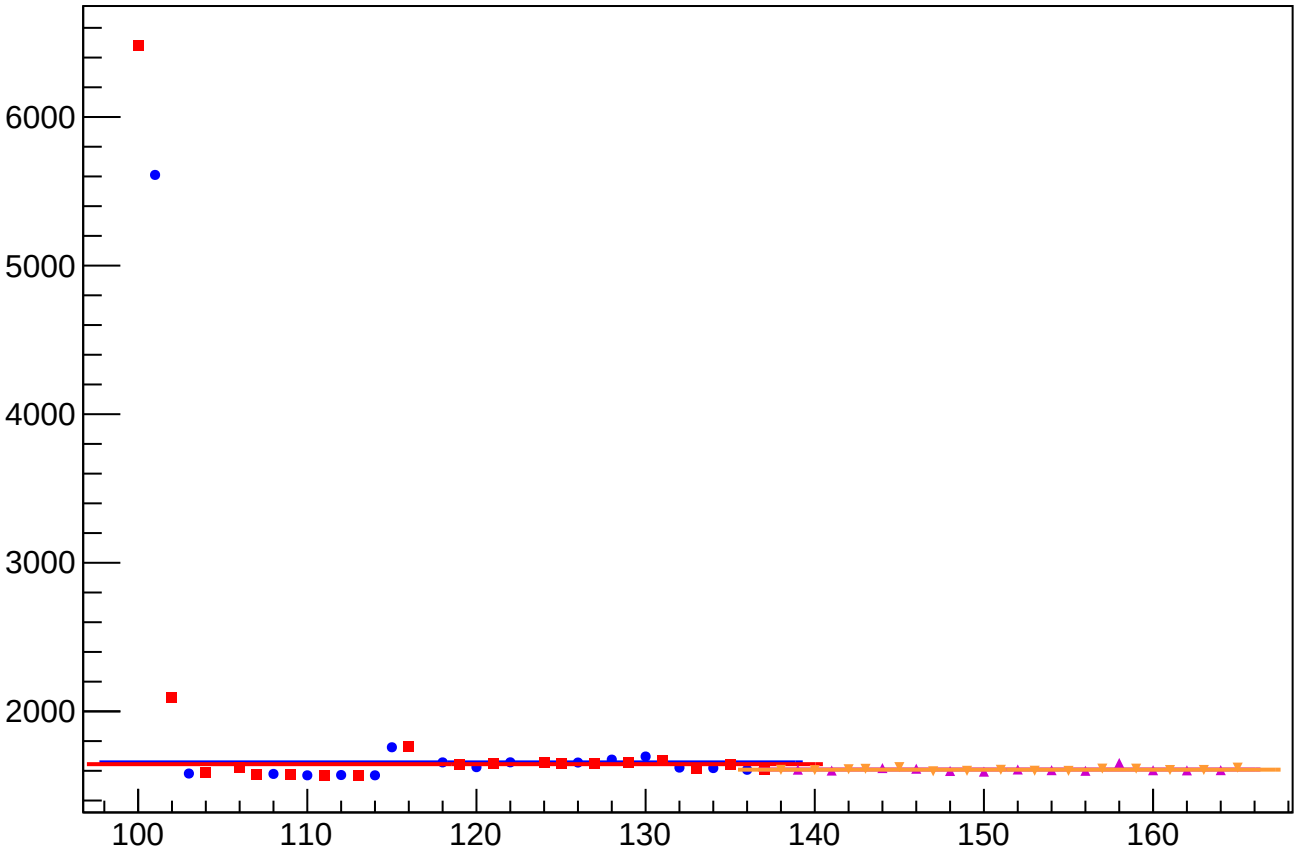
Left: 2245.548+/-336.816 χ^2/NDF: 45.2/27

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2365.089+/-384.721 χ^2/NDF:40.4/28

Out: 2232.808+/-370.965 χ^2/NDF:30.7/33

All: 2296.541+/-267.042 χ^2/NDF: 71.2/62



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

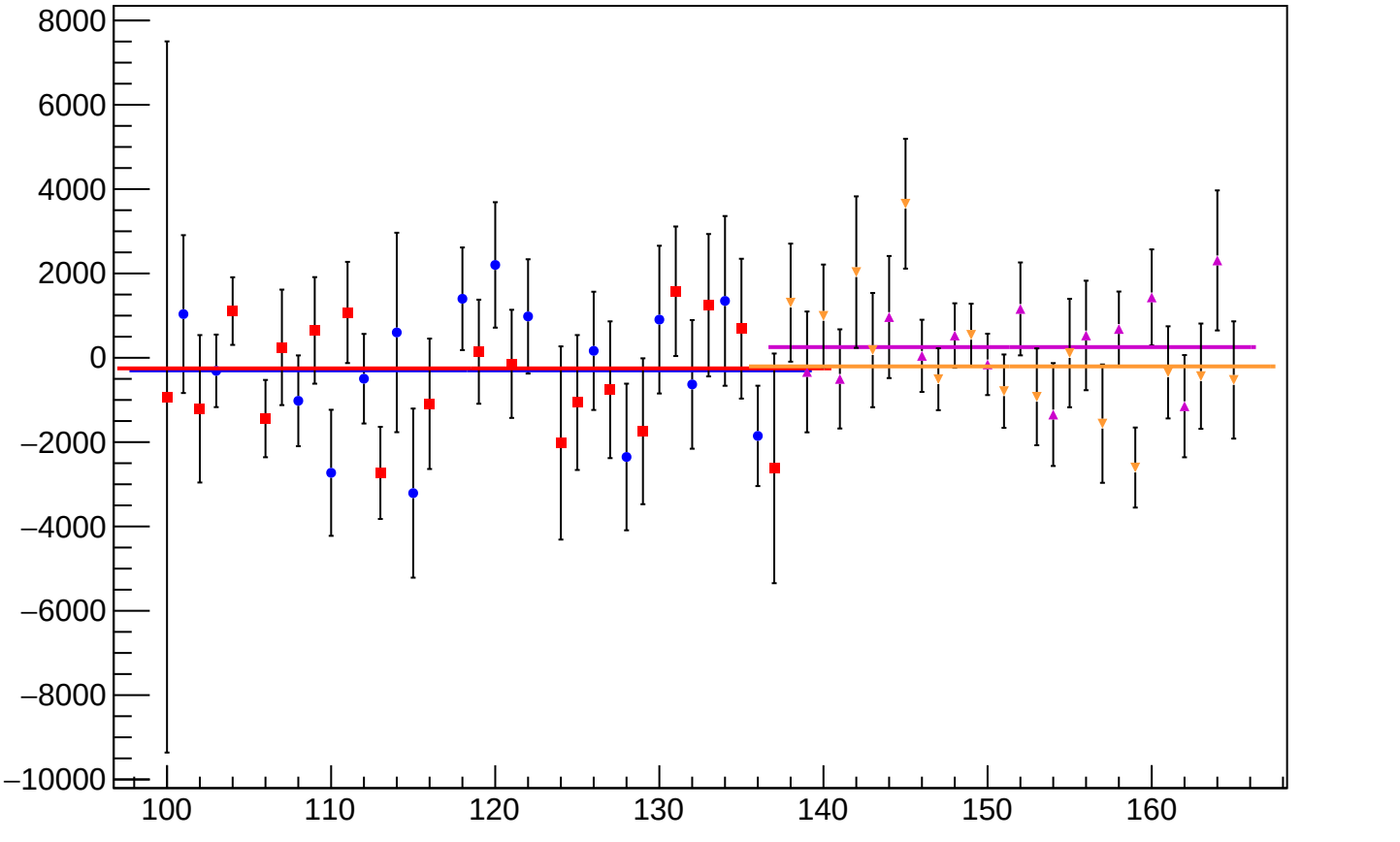
Left: 1608.262+/-0.238 χ^2/NDF: 2242.3/27

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.643+/-0.272 χ^2/NDF:675149.2/28

Out: 1621.452+/-0.262 χ^2/NDF:141671.6/33

All: 1623.953+/-0.189 χ^2/NDF: 817009.4/62



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -204.204+/-283.409 χ^2/NDF:19.6/14

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 253.848+/-290.742 χ^2/NDF:7.9/12

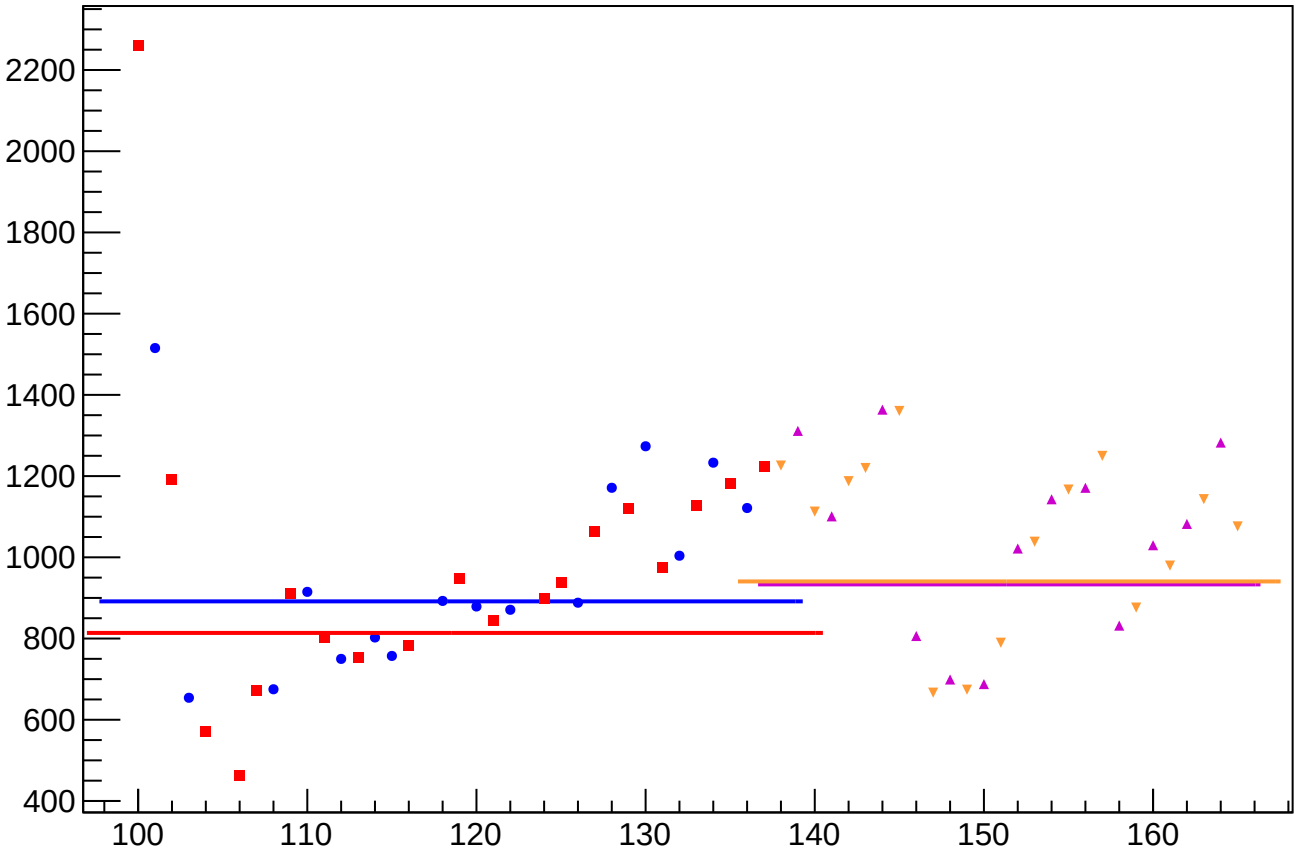
Left: 18.973+/-202.943 χ^2/NDF: 28.8/27

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 23.513+/-221.891 χ^2/NDF:25.4/28

Out: -225.186+/-210.910 χ^2/NDF:36.9/33

All: -107.142+/-152.871 χ^2/NDF: 62.9/62



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 940.600+/-0.200 χ^2/NDF:1250849.2/14

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

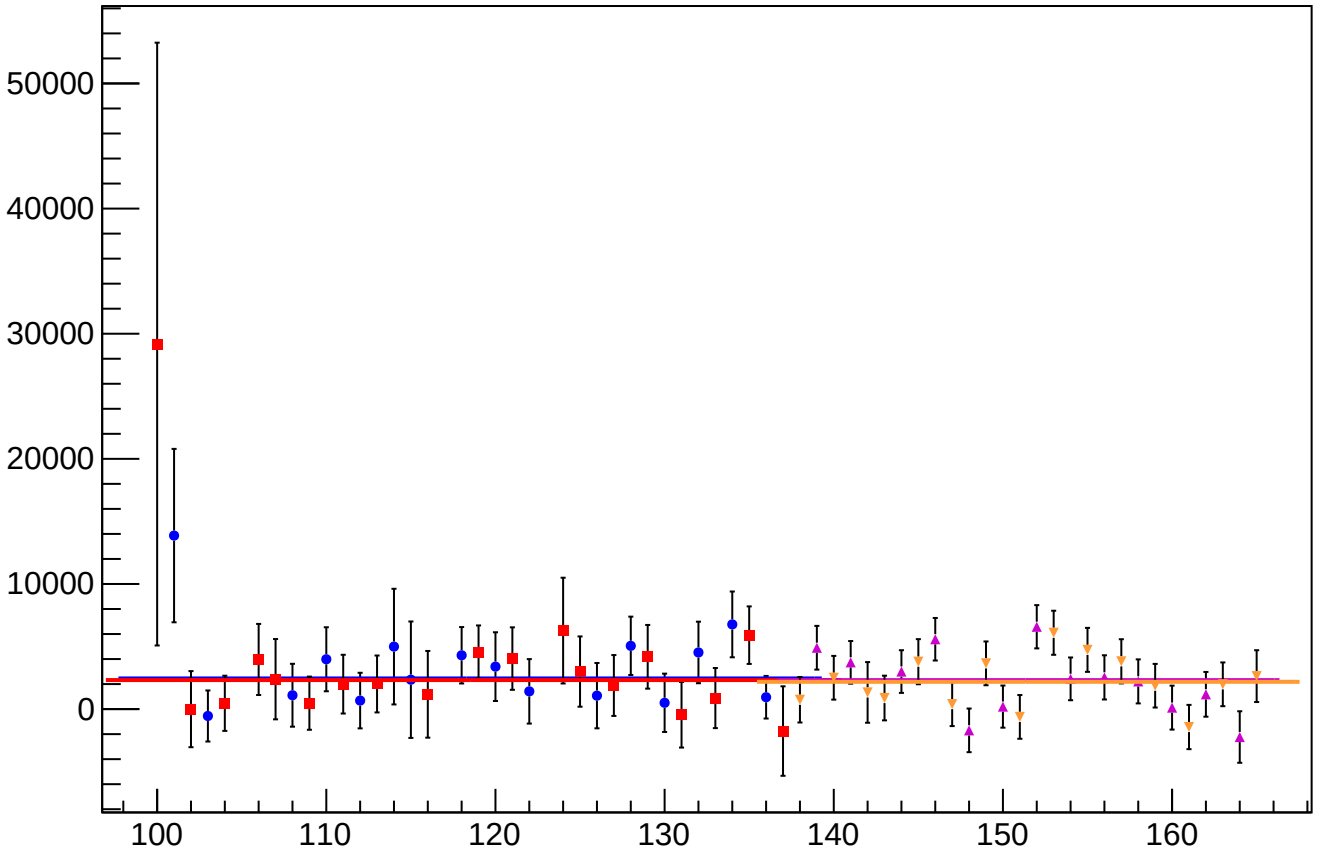
Left: 937.064+/-0.144 χ^2/NDF: 2365975.9/27

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.886+/-0.157 χ^2/NDF:1925414.6/28

Out: 884.027+/-0.149 χ^2/NDF:2482449.7/33

All: 899.149+/-0.108 χ^2/NDF: 4429523.8/62



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.207+/-467.464 χ^2/NDF:18.6/14

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2315.012+/-485.721 χ^2/NDF:26.6/12

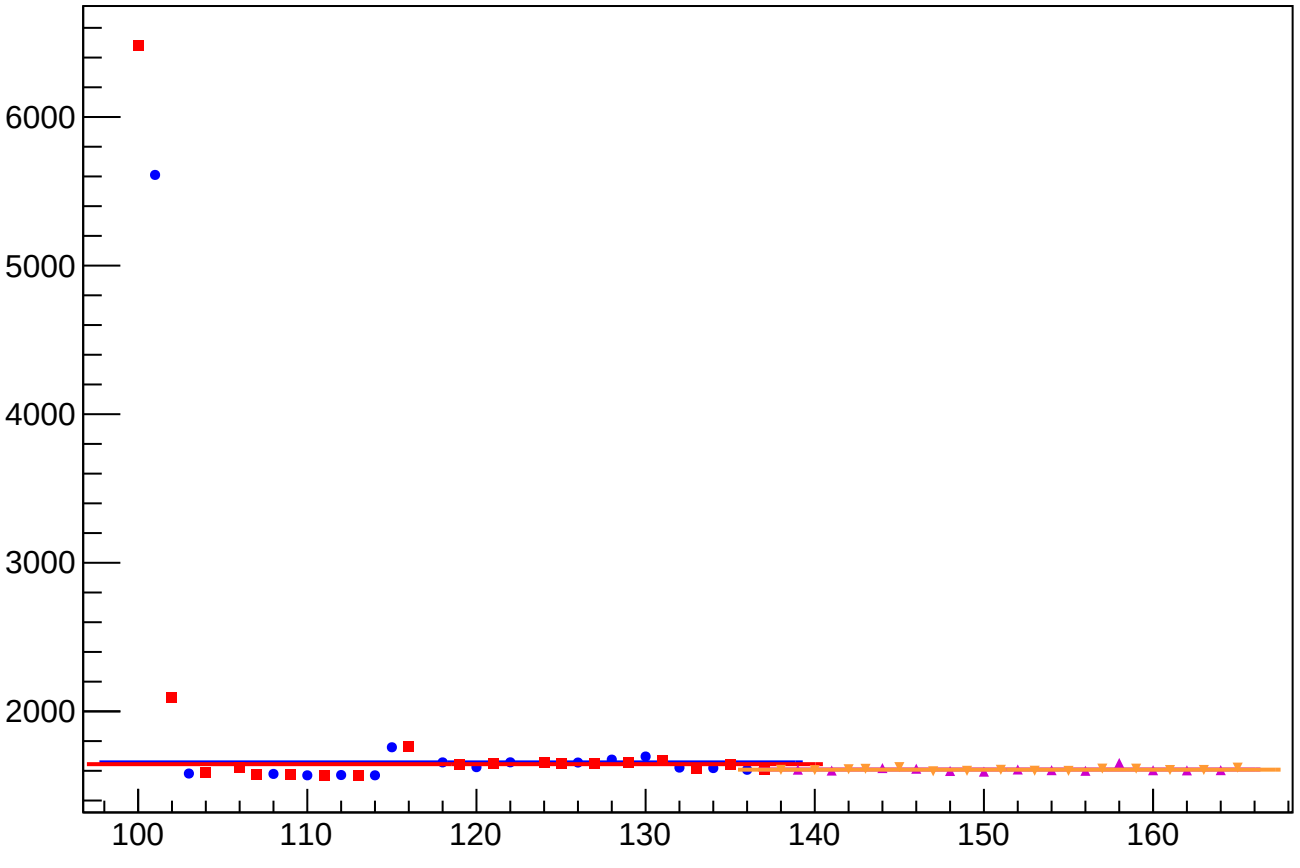
Left: 2245.548+/-336.816 χ^2/NDF: 45.2/27

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2365.089+/-384.721 χ^2/NDF:40.4/28

Out: 2232.808+/-370.965 χ^2/NDF:30.7/33

All: 2296.541+/-267.042 χ^2/NDF: 71.2/62



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

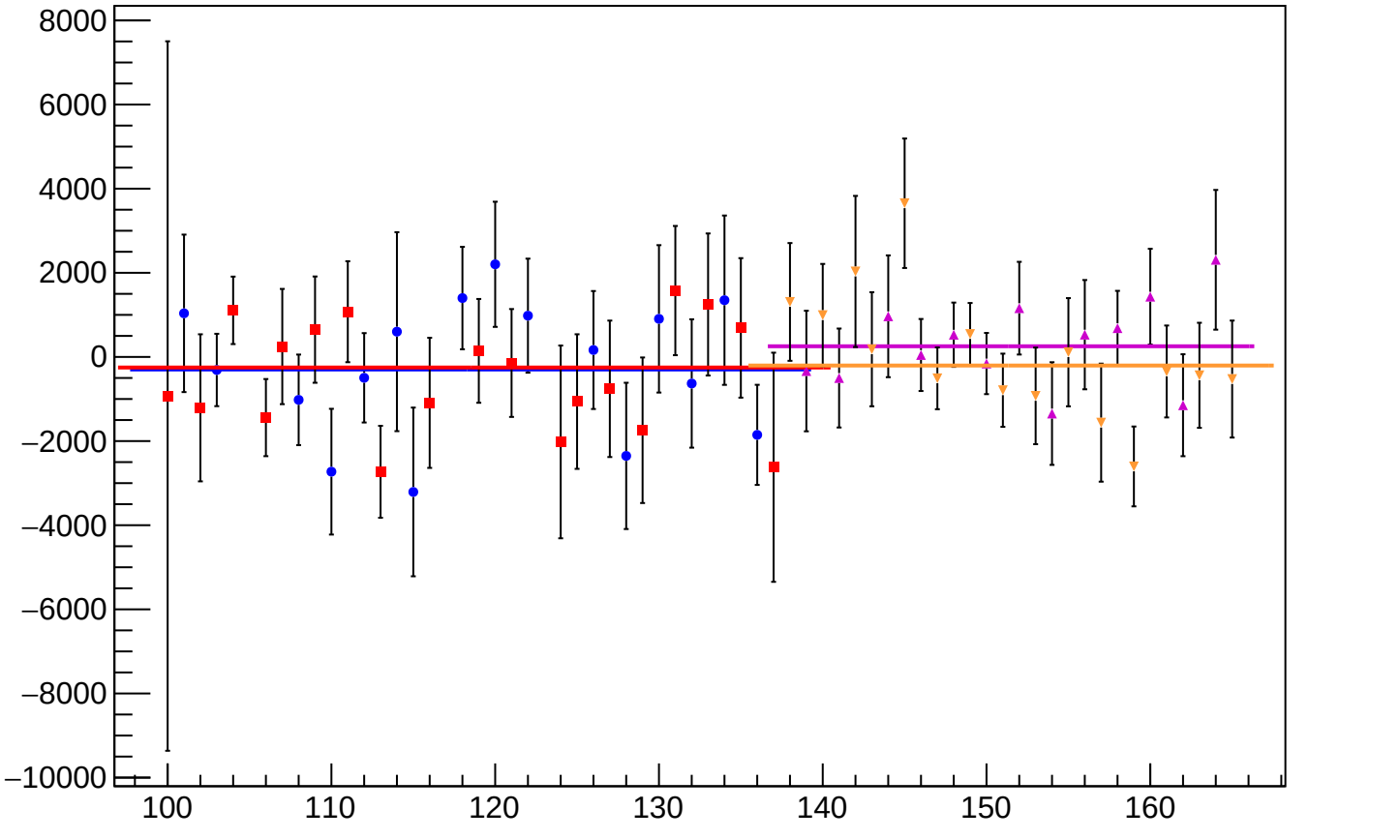
Left: 1608.262+/-0.238 χ^2/NDF: 2242.3/27

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.643+/-0.272 χ^2/NDF:675149.2/28

Out: 1621.452+/-0.262 χ^2/NDF:141671.6/33

All: 1623.953+/-0.189 χ^2/NDF: 817009.4/62



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -204.204+/-283.409 χ^2/NDF:19.6/14

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 253.848+/-290.742 χ^2/NDF:7.9/12

Left: 18.973+/-202.943 χ^2/NDF: 28.8/27

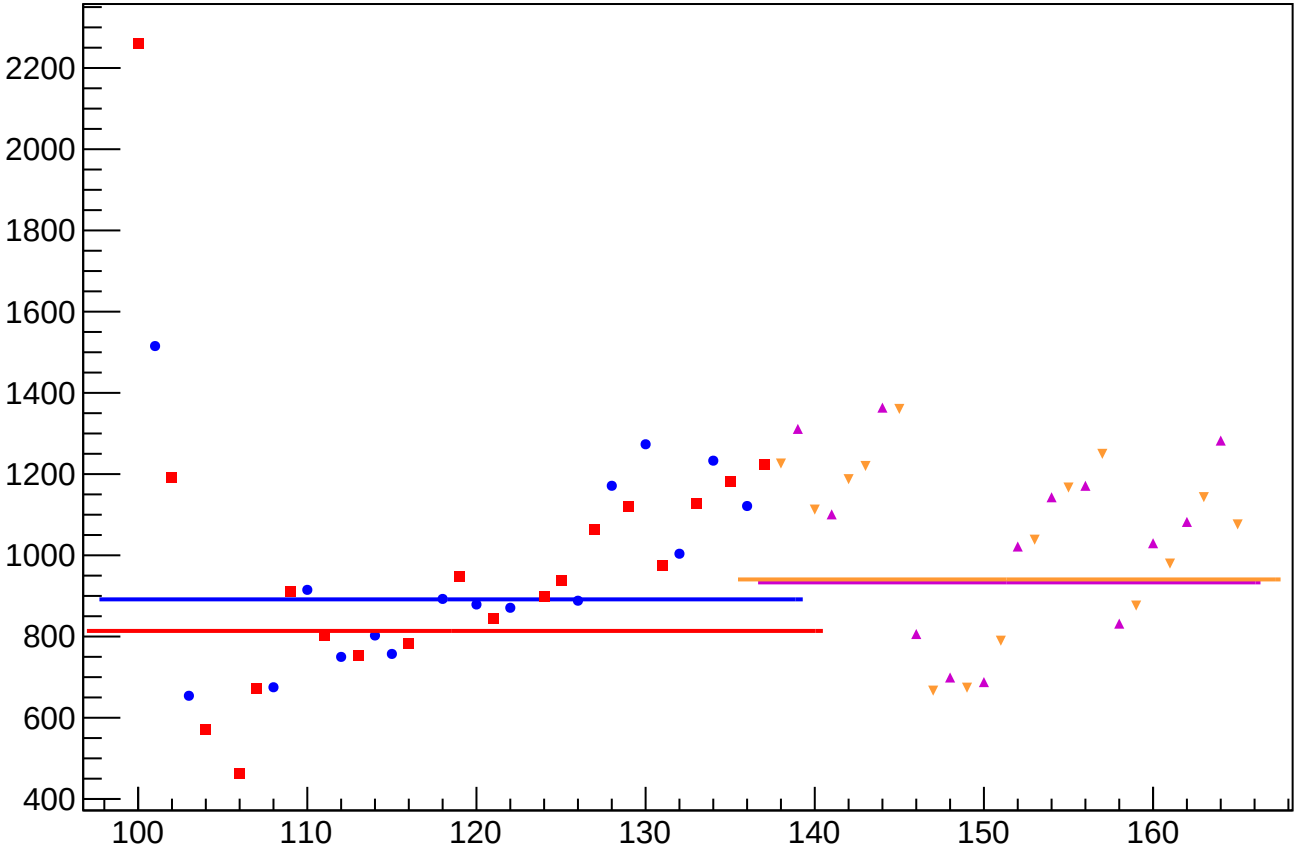
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 23.513+/-221.891 χ^2/NDF:25.4/28

Out: -225.186+/-210.910 χ^2/NDF:36.9/33

All: -107.142+/-152.871 χ^2/NDF: 62.9/62

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 940.600+/-0.200 χ^2/NDF:1250849.2/14

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

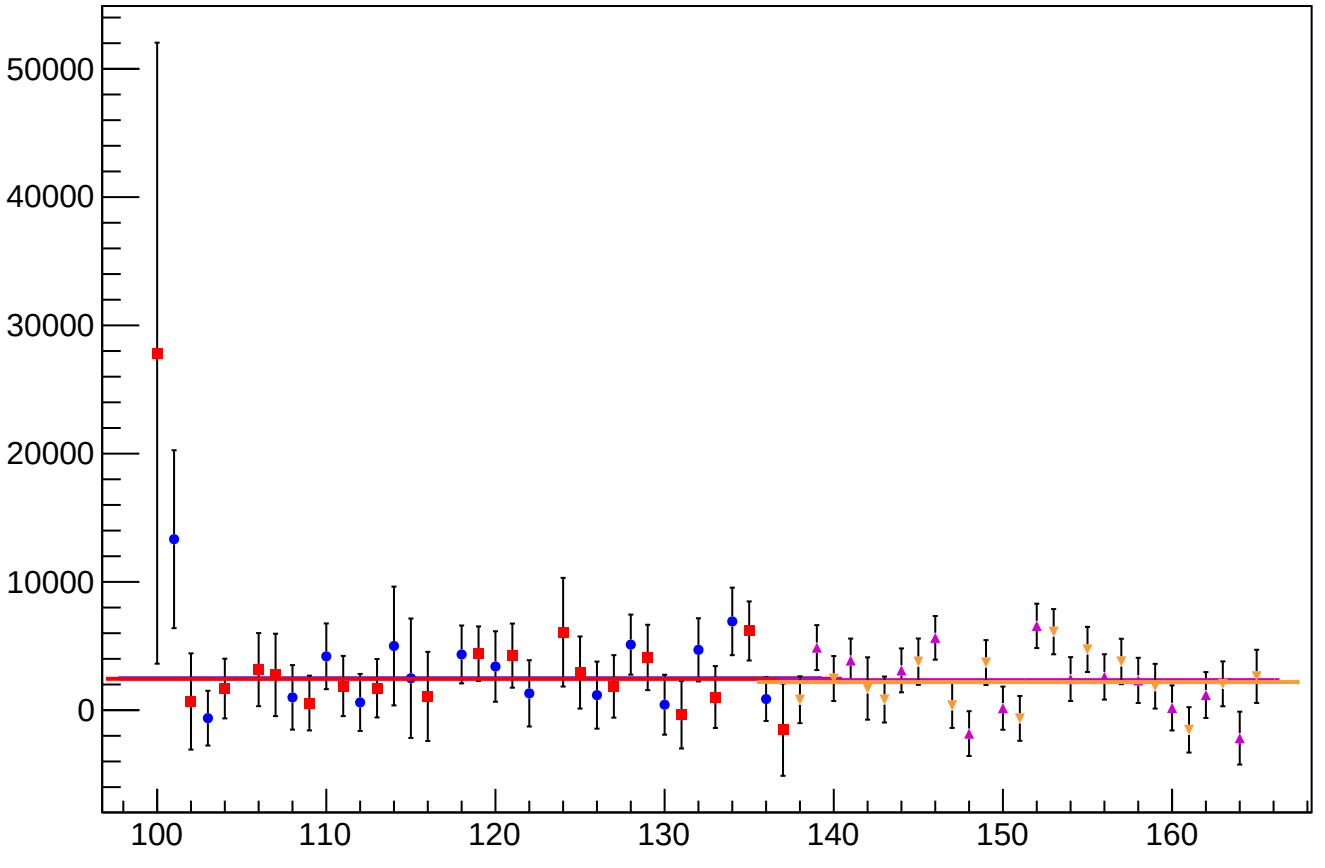
Left: 937.064+/-0.144 χ^2/NDF: 2365975.9/27

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.886+/-0.157 χ^2/NDF:1925414.6/28

Out: 884.027+/-0.149 χ^2/NDF:2482449.7/33

All: 899.149+/-0.108 χ^2/NDF: 4429523.8/62



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2189.757+/-468.177 χ^2/NDF:18.8/14

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2341.524+/-486.334 χ^2/NDF:27.0/12

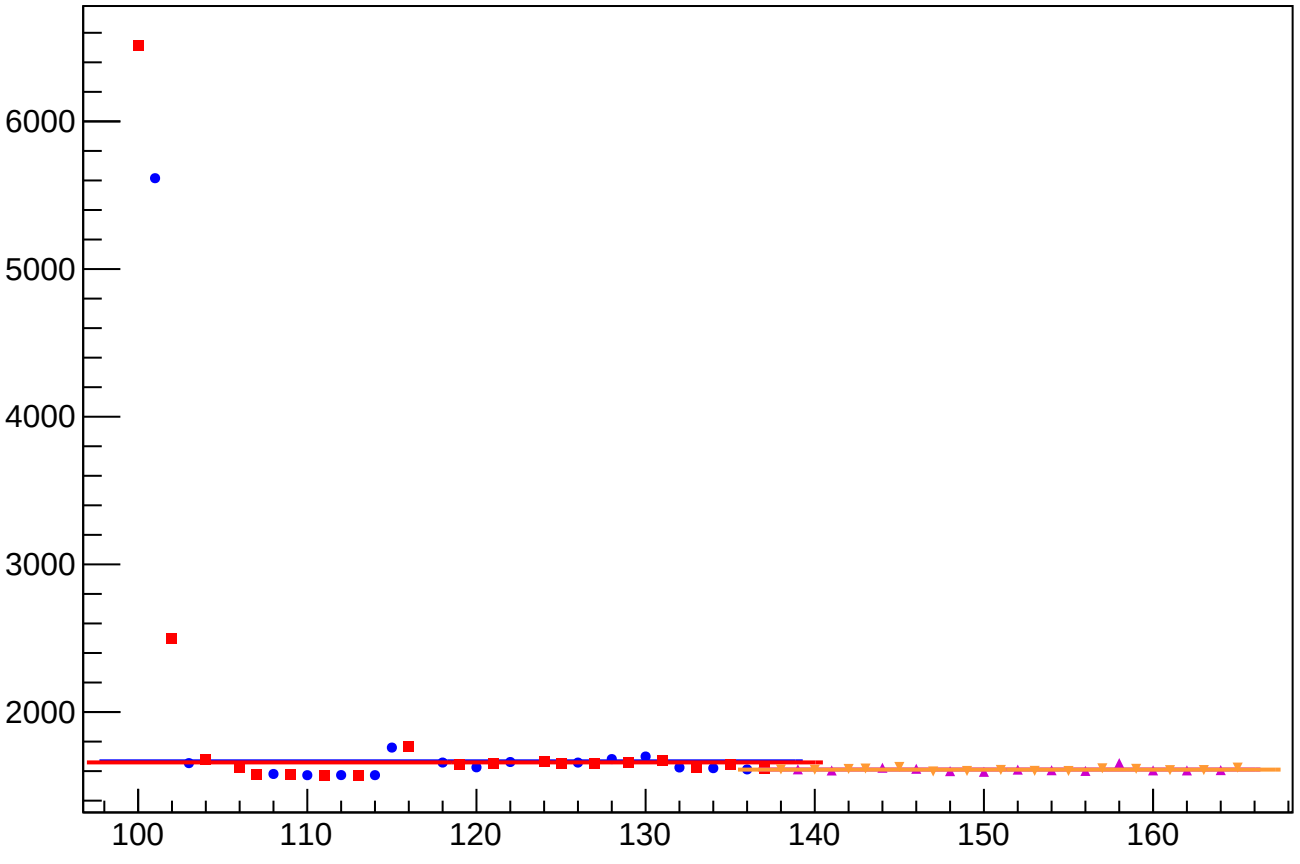
Left: 2262.754+/-337.288 χ^2/NDF: 45.9/27

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.067+/-385.849 χ^2/NDF:41.2/28

Out: 2284.398+/-373.078 χ^2/NDF:29.5/33

All: 2335.938+/-268.207 χ^2/NDF: 70.8/62



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.208+/-0.331 χ^2/NDF:668.7/14

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

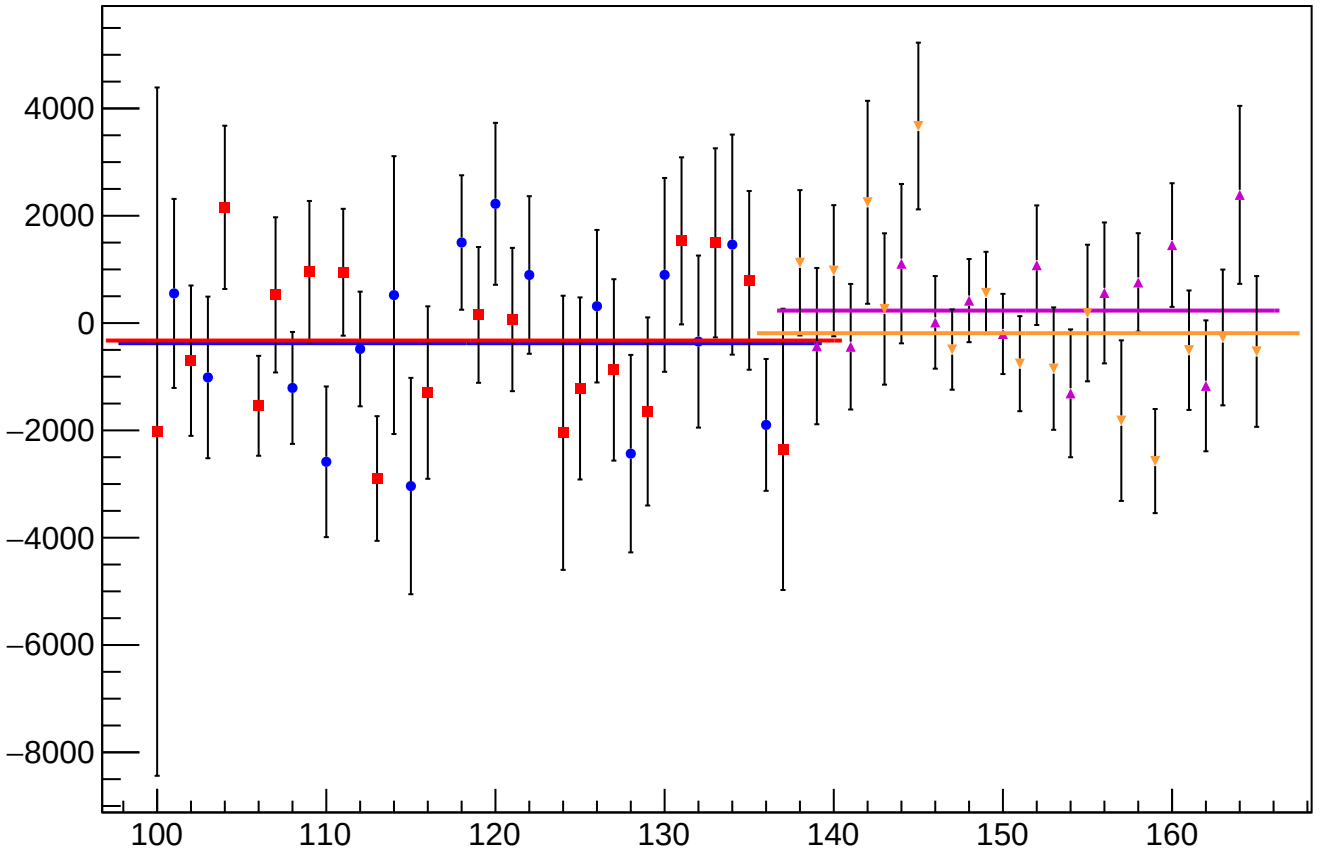
Left: 1610.501+/-0.238 χ^2/NDF: 2399.5/27

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1631.413+/-0.273 χ^2/NDF:674323.5/28

Out: 1628.019+/-0.264 χ^2/NDF:201822.3/33

All: 1629.659+/-0.190 χ^2/NDF: 876225.8/62



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -188.549+/-288.627 χ^2/NDF:19.1/14

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 232.651+/-294.653 χ^2/NDF:8.1/12

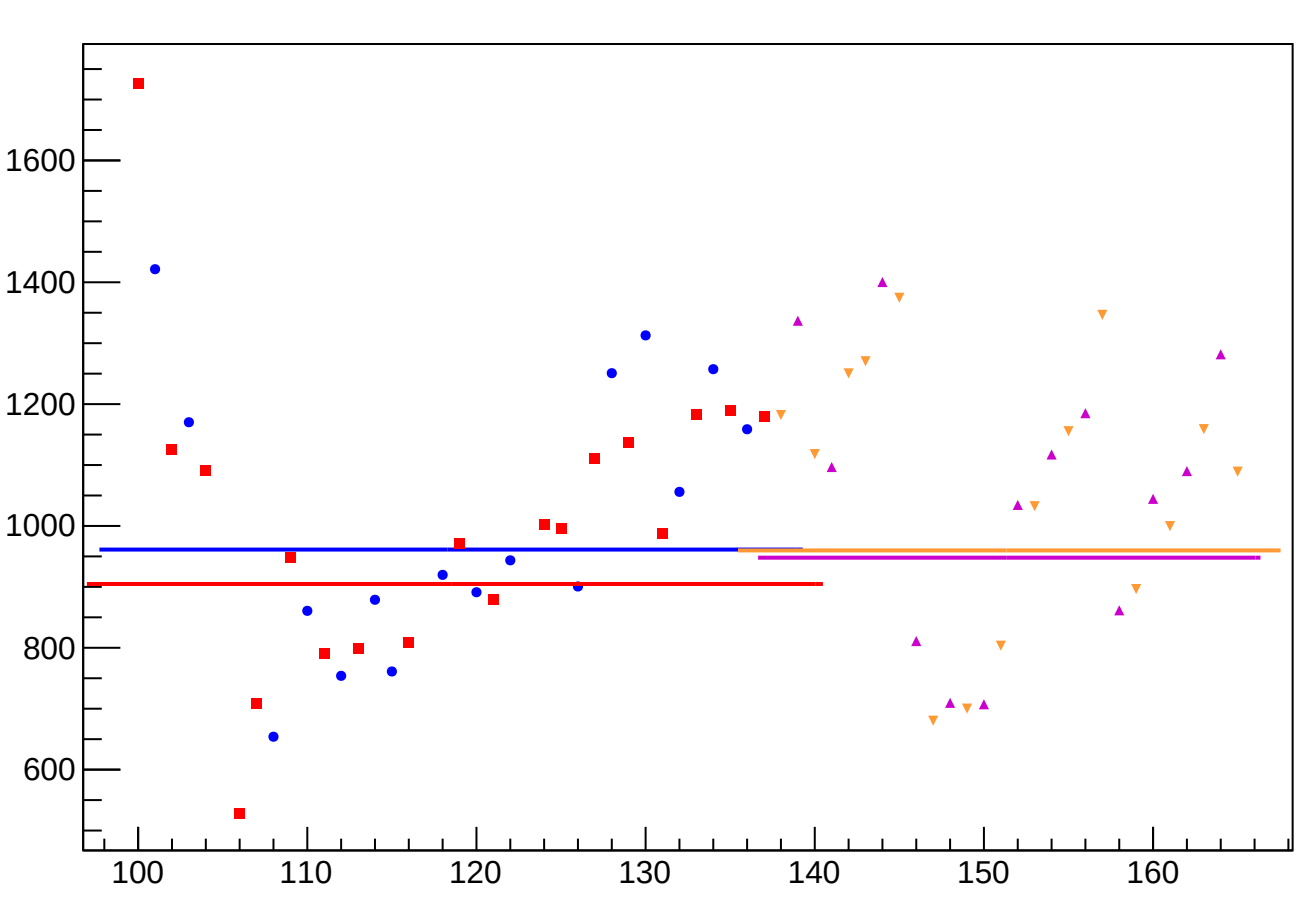
Left: 17.700+/-206.187 χ^2/NDF: 28.3/27

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -4.614+/-229.995 χ^2/NDF:25.5/28

Out: -245.857+/-220.203 χ^2/NDF:36.6/33

All: -130.480+/-159.056 χ^2/NDF: 62.7/62



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 959.845+/-0.204 χ^2/NDF:1211292.3/14

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 947.914+/-0.208 χ^2/NDF:1065213.2/12

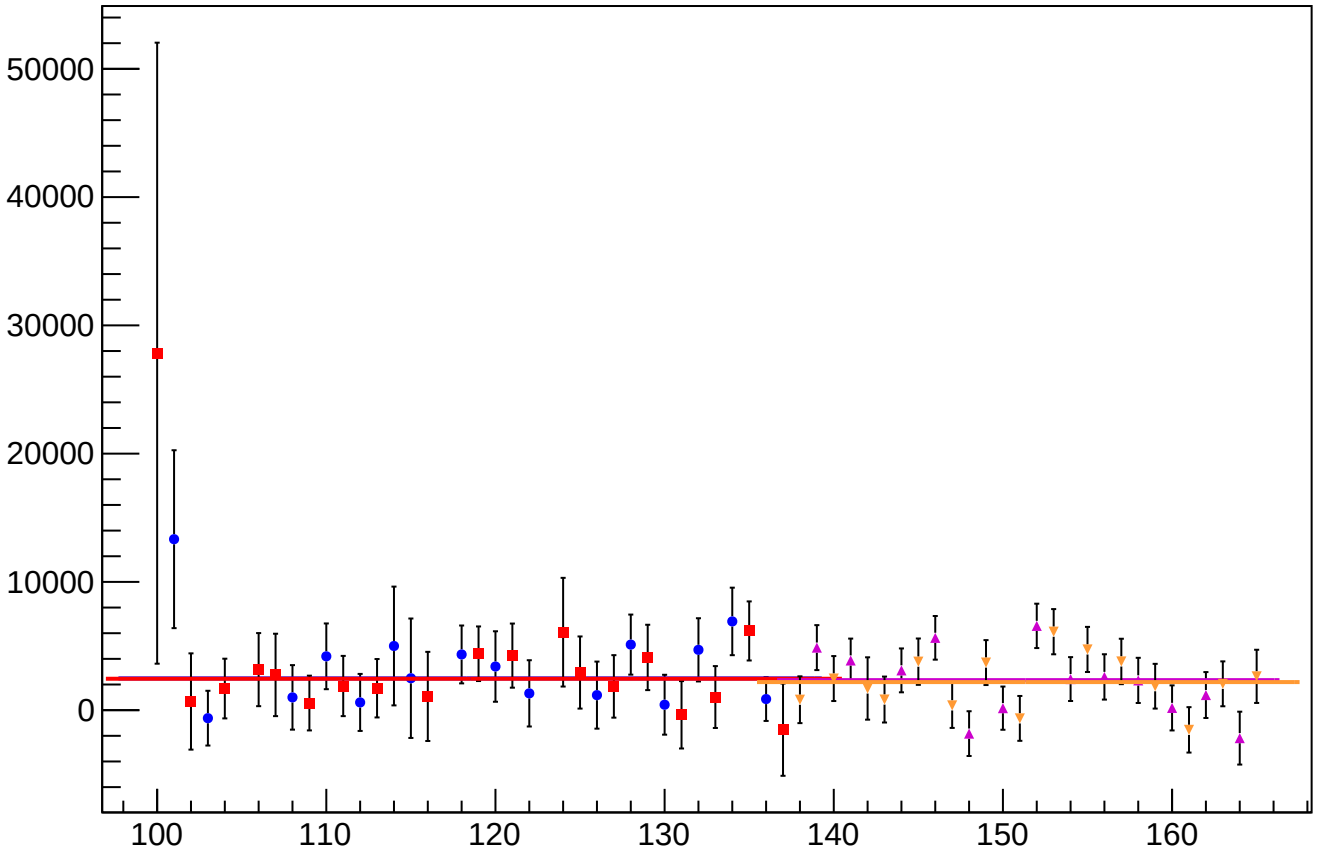
Left: 954.003+/-0.146 χ^2/NDF: 2278179.0/27

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 953.122+/-0.163 χ^2/NDF:1758687.6/28

Out: 936.813+/-0.156 χ^2/NDF:1978249.5/33

All: 944.613+/-0.112 χ^2/NDF: 3742183.6/62



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2189.756+/-468.177 χ^2/NDF:18.8/14

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2341.524+/-486.334 χ^2/NDF:27.0/12

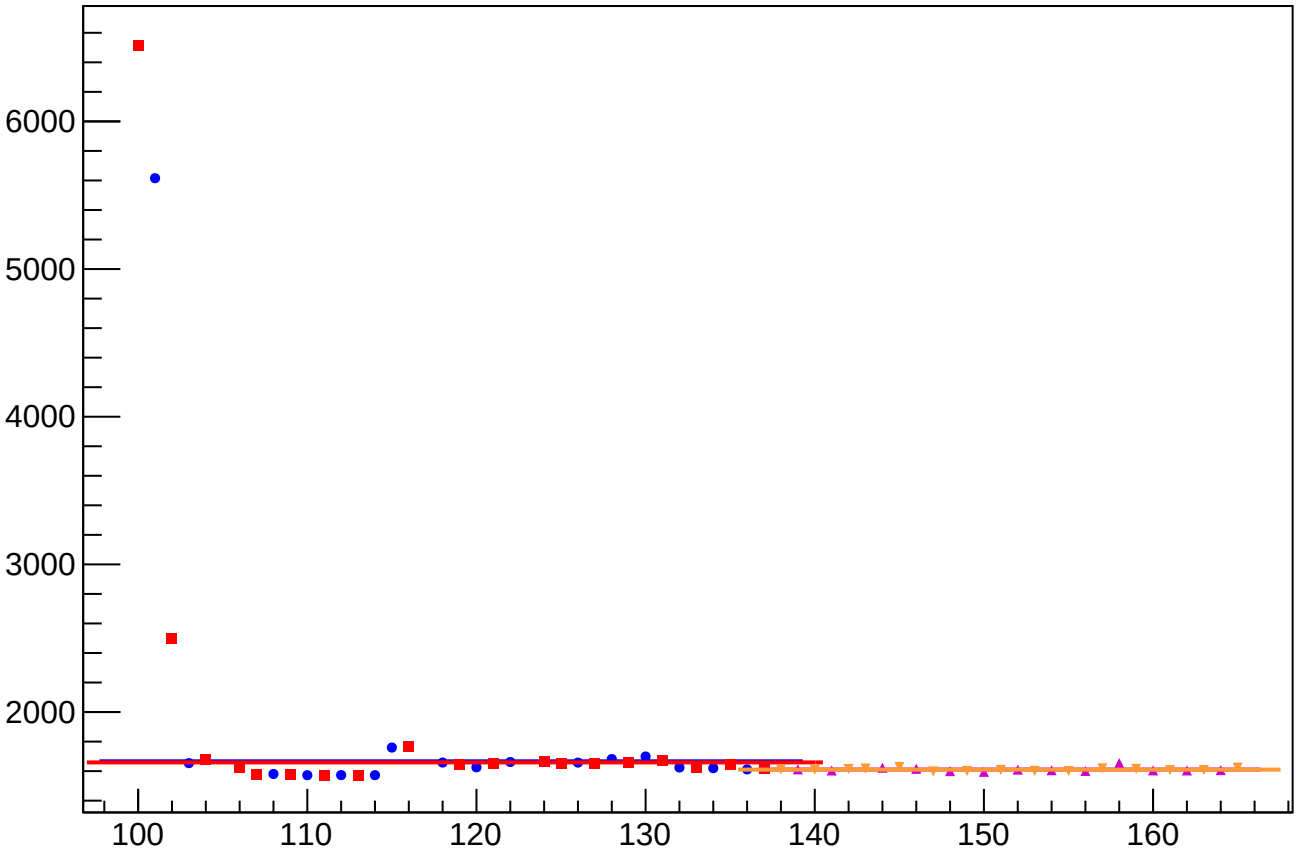
Left: 2262.754+/-337.288 χ^2/NDF: 45.9/27

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.067+/-385.849 χ^2/NDF:41.2/28

Out: 2284.397+/-373.078 χ^2/NDF:29.5/33

All: 2335.938+/-268.207 χ^2/NDF: 70.8/62



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.208+/-0.331 χ^2/NDF:668.7/14

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

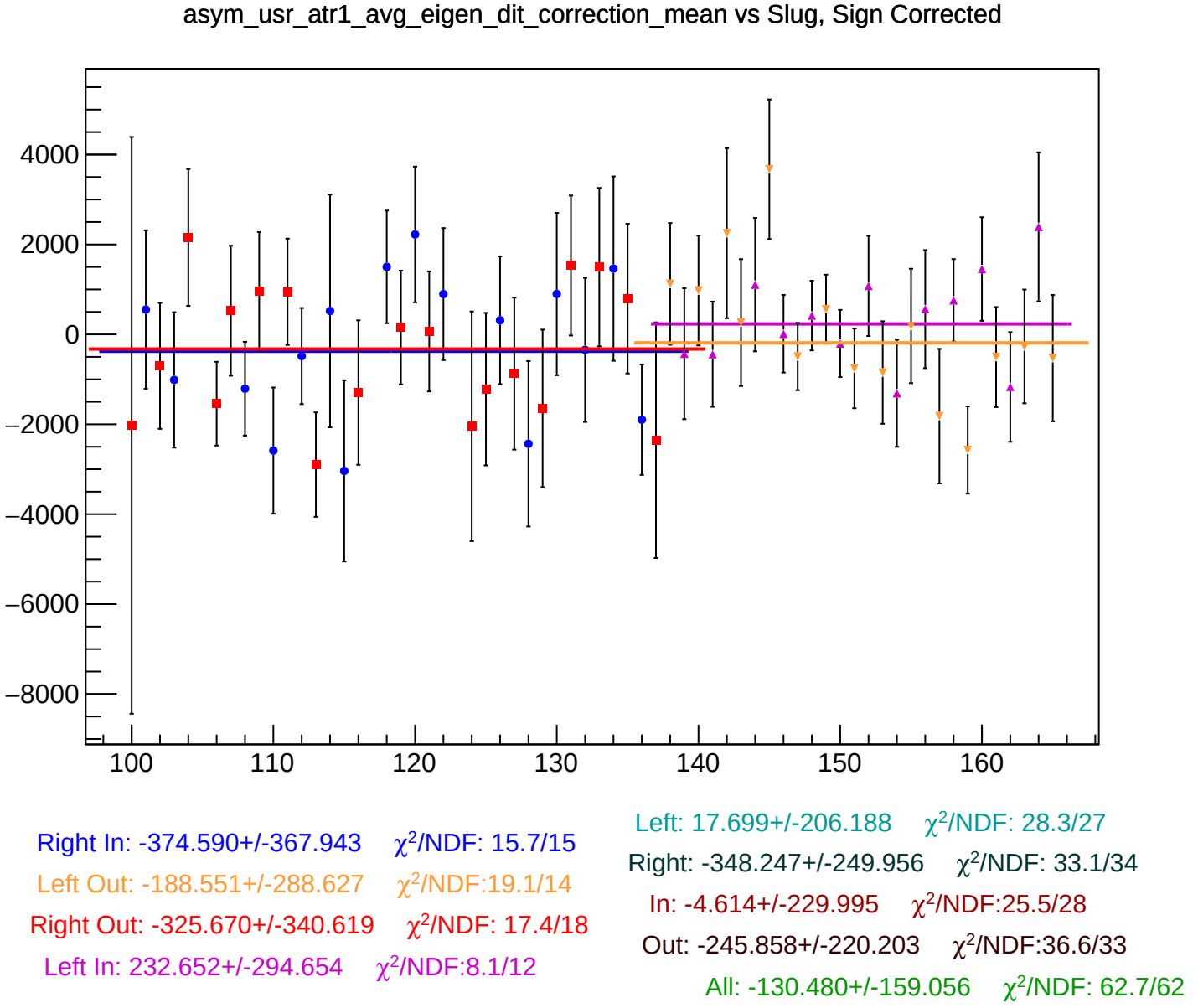
Left: 1610.501+/-0.238 χ^2/NDF: 2399.5/27

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

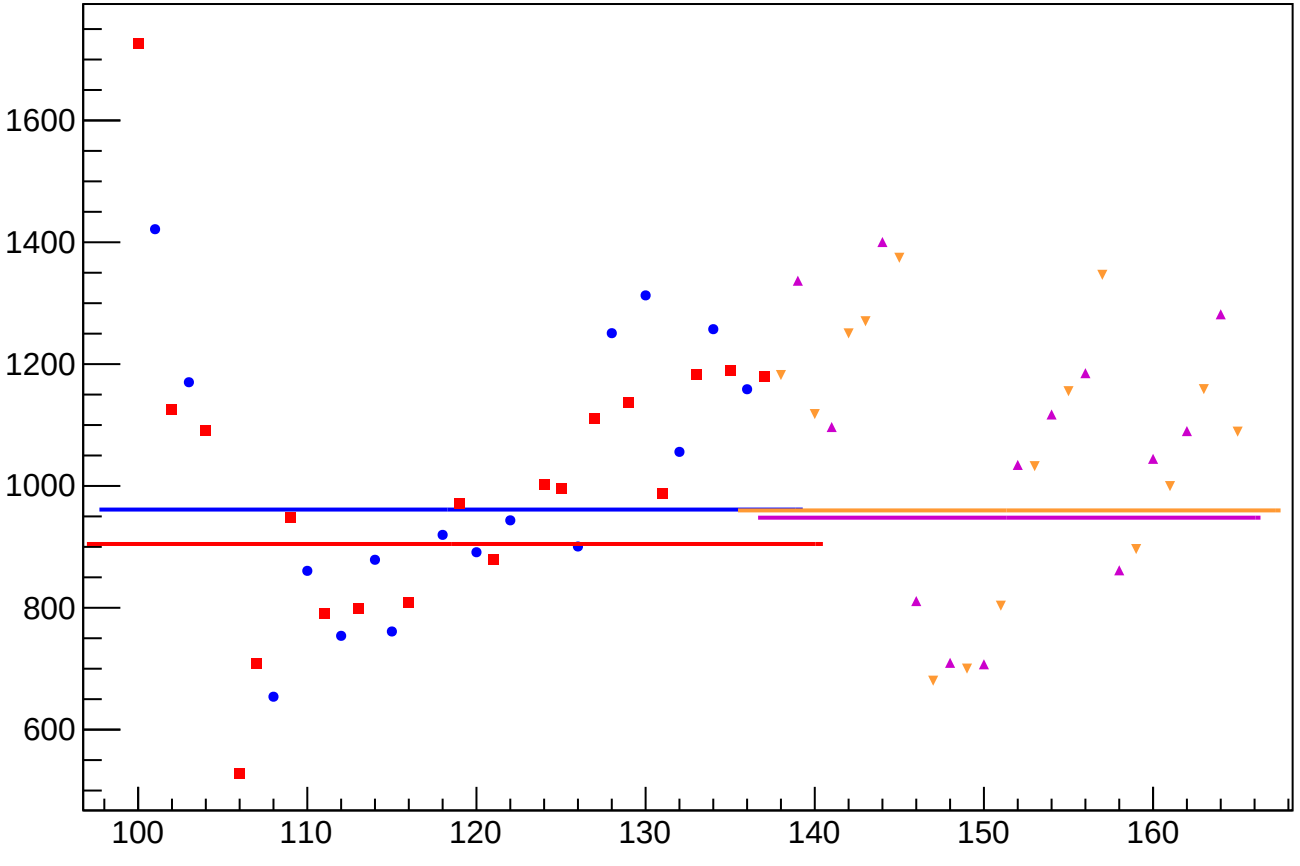
In: 1631.413+/-0.273 χ^2/NDF:674323.5/28

Out: 1628.018+/-0.264 χ^2/NDF:201822.0/33

All: 1629.659+/-0.190 χ^2/NDF: 876225.5/62


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
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -188.551+/-288.627 χ²/NDF:19.1/14
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 232.652+/-294.654 χ²/NDF:8.1/12
Left: 17.699+/-206.188 χ²/NDF: 28.3/27
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -4.614+/-229.995 χ²/NDF:25.5/28
Out: -245.858+/-220.203 χ²/NDF:36.6/33
All: -130.480+/-159.056 χ²/NDF: 62.7/62

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: 959.847+/-0.204 χ^2/NDF:1211295.1/14

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 947.916+/-0.208 χ^2/NDF:1065216.1/12

Left: 954.005+/-0.146 χ^2/NDF: 2278184.7/27

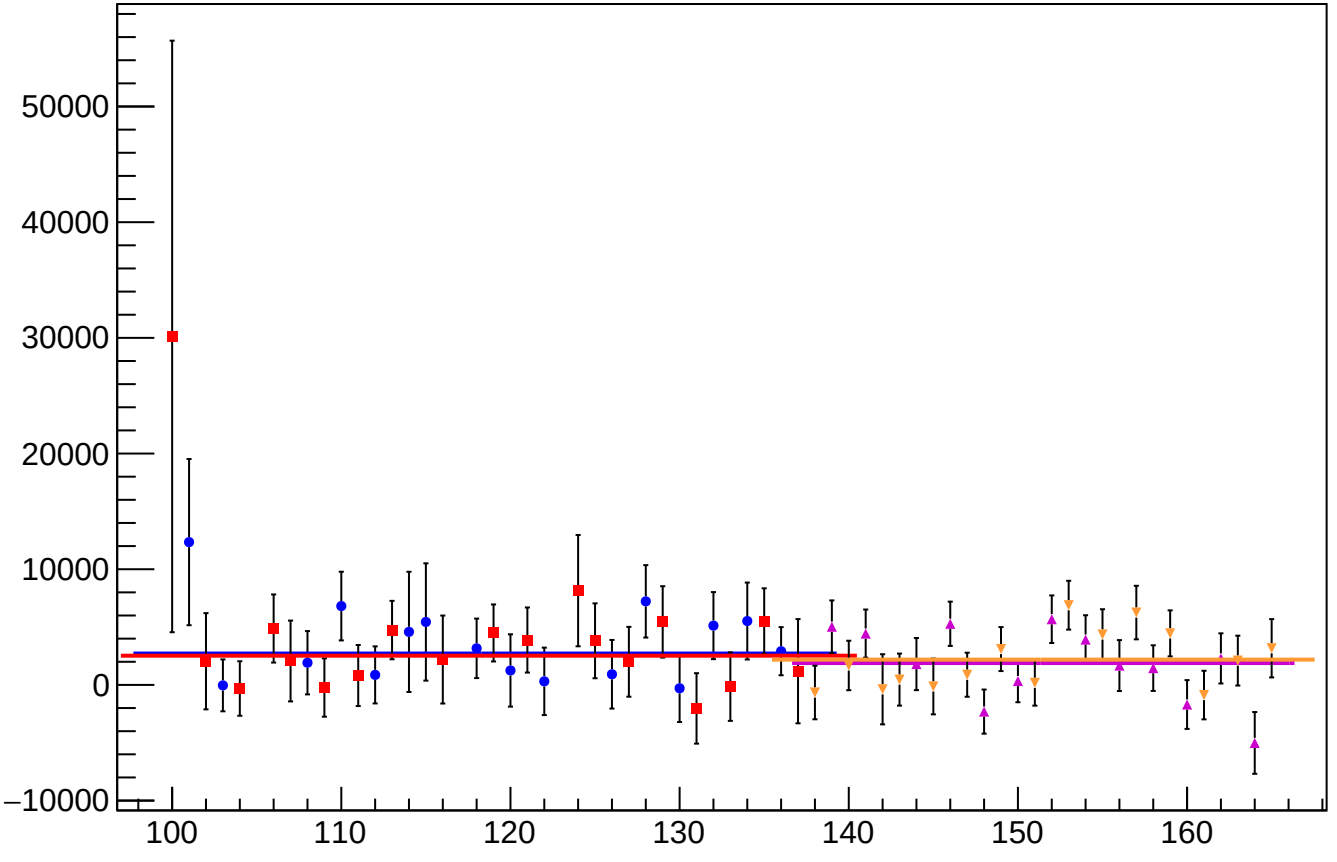
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 953.122+/-0.163 χ^2/NDF:1758697.1/28

Out: 936.813+/-0.156 χ^2/NDF:1978254.7/33

All: 944.613+/-0.112 χ^2/NDF: 3742198.1/62

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2185.827+/-561.867 χ^2/NDF:18.2/14

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 1889.858+/-580.108 χ^2/NDF:26.1/12

Left: 2042.569+/-403.595 χ^2/NDF: 44.4/27

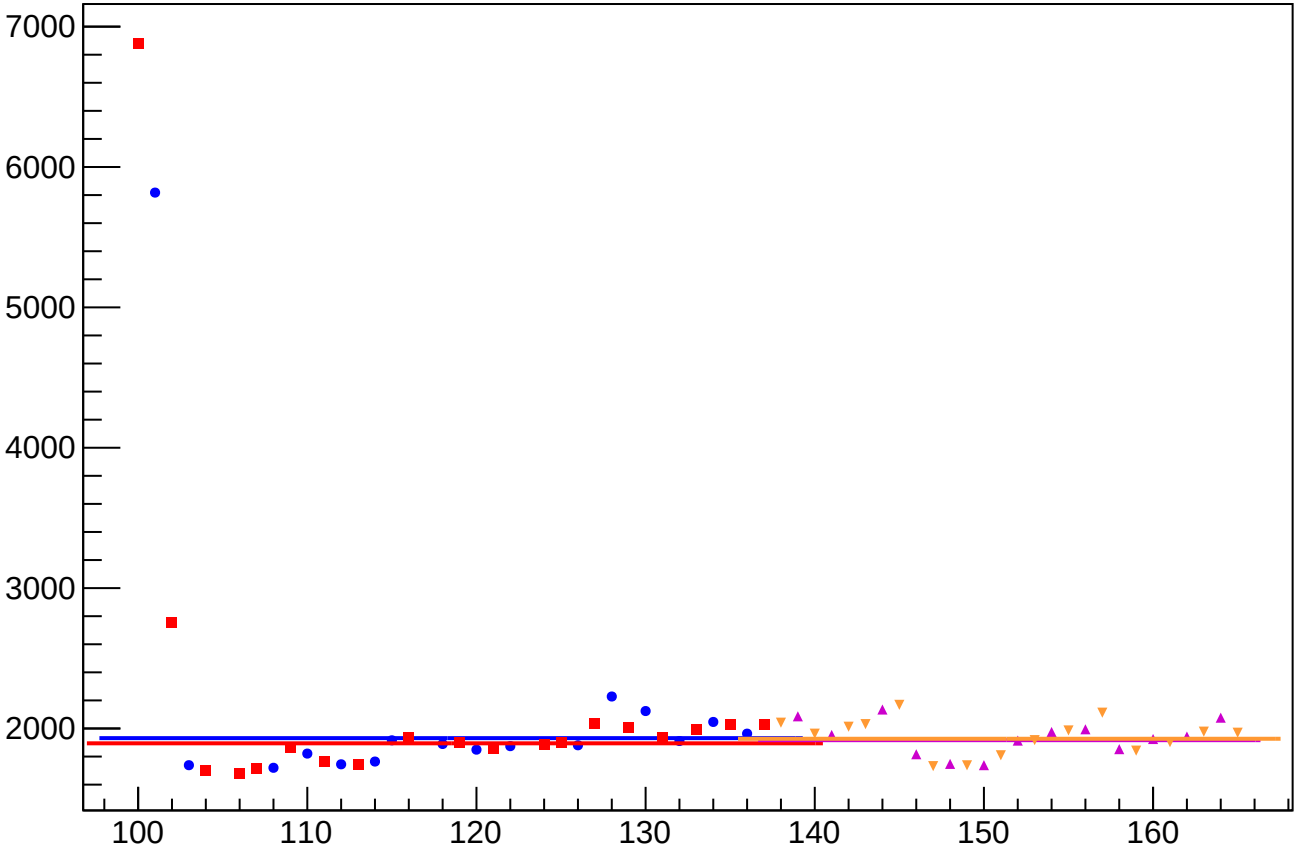
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2205.143+/-455.385 χ^2/NDF:39.0/28

Out: 2317.453+/-439.742 χ^2/NDF:31.6/33

All: 2263.260+/-316.330 χ^2/NDF: 70.6/62

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1926.815+/-0.397 χ^2/NDF:99359.6/14

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1916.731+/-0.410 χ^2/NDF:84292.5/12

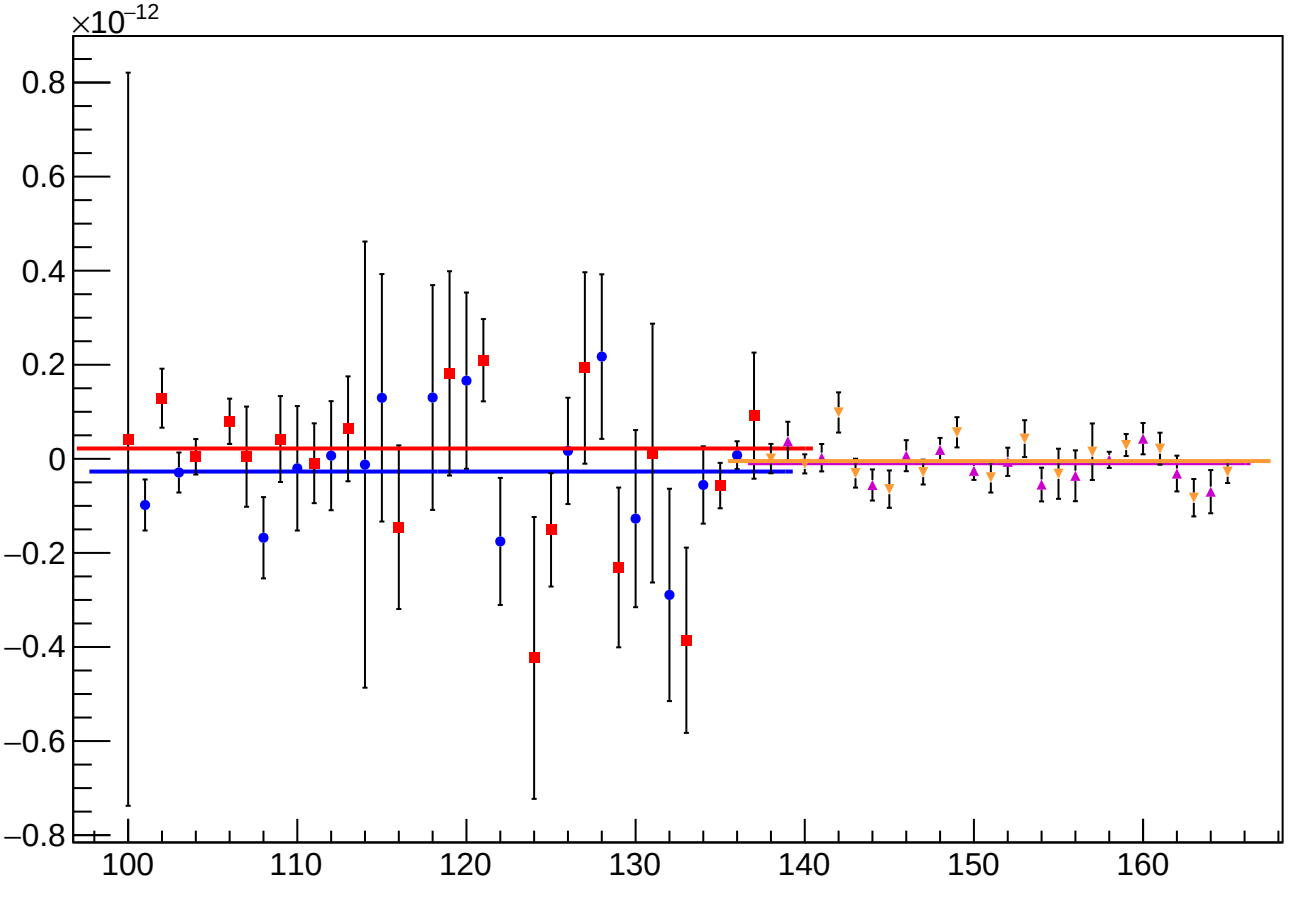
Left: 1921.934+/-0.285 χ^2/NDF: 183963.9/27

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1922.303+/-0.322 χ^2/NDF:746000.4/28

Out: 1914.235+/-0.311 χ^2/NDF:322488.1/33

All: 1918.128+/-0.224 χ^2/NDF: 1068813.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/12

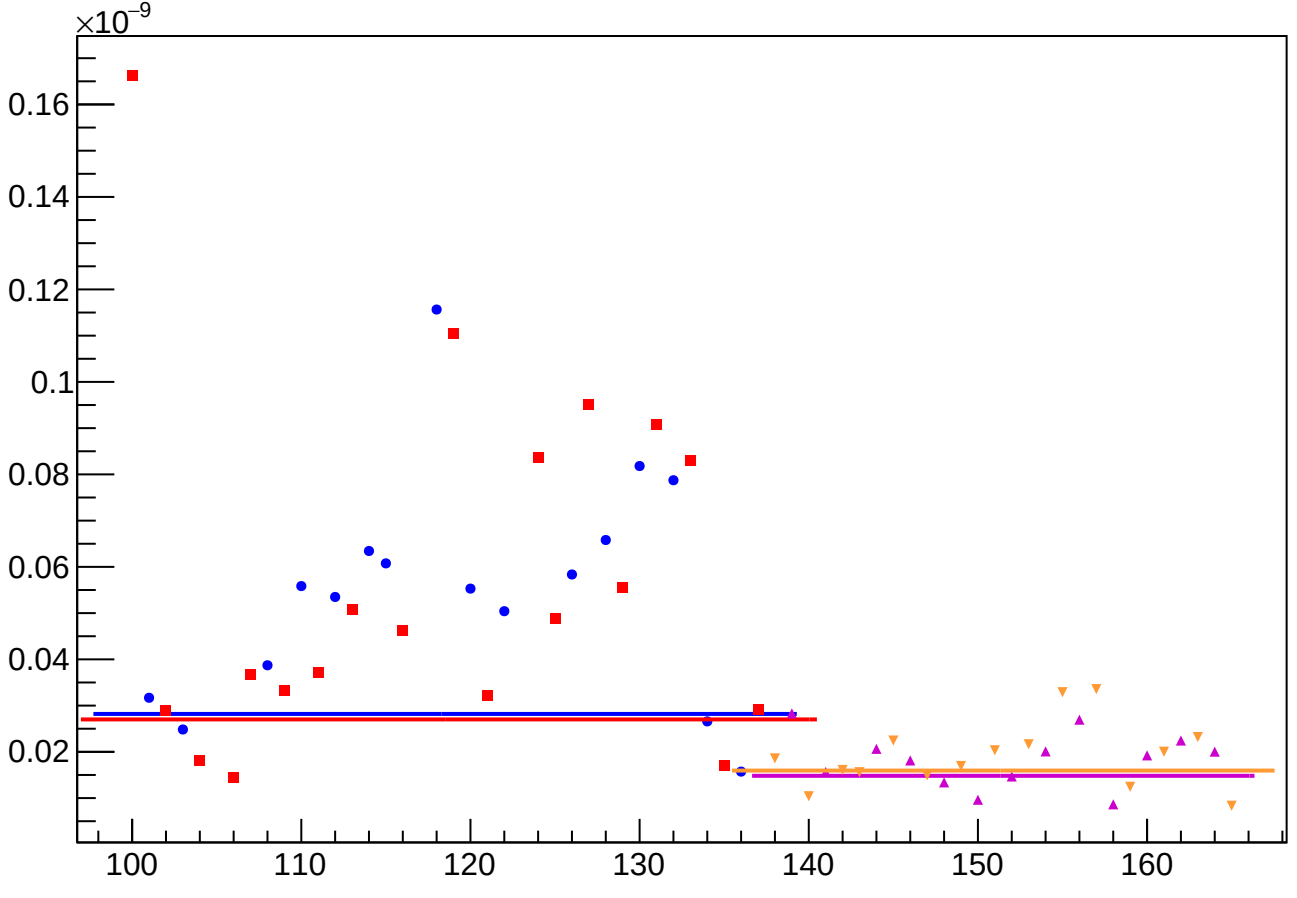
Left: -0.000+/-0.000 χ^2/NDF: 36.0/27

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:25.6/28

Out: -0.000+/-0.000 χ^2/NDF:50.8/33

All: -0.000+/-0.000 χ^2/NDF: 77.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1013569.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:990451.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2023878.4/27

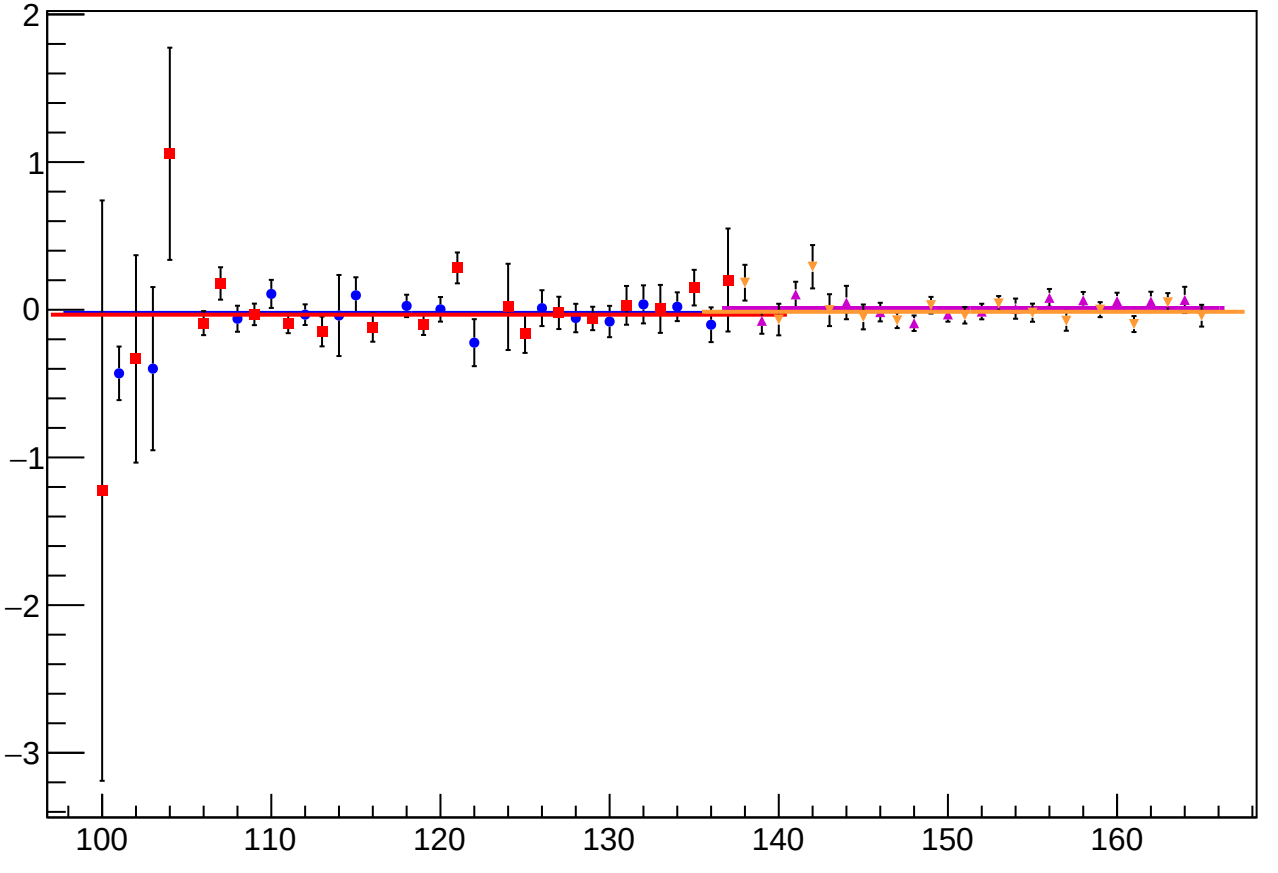
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3310469.6/28

Out: 0.000+/-0.000 χ^2/NDF:3125372.3/33

All: 0.000+/-0.000 χ^2/NDF: 6446594.2/62

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: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

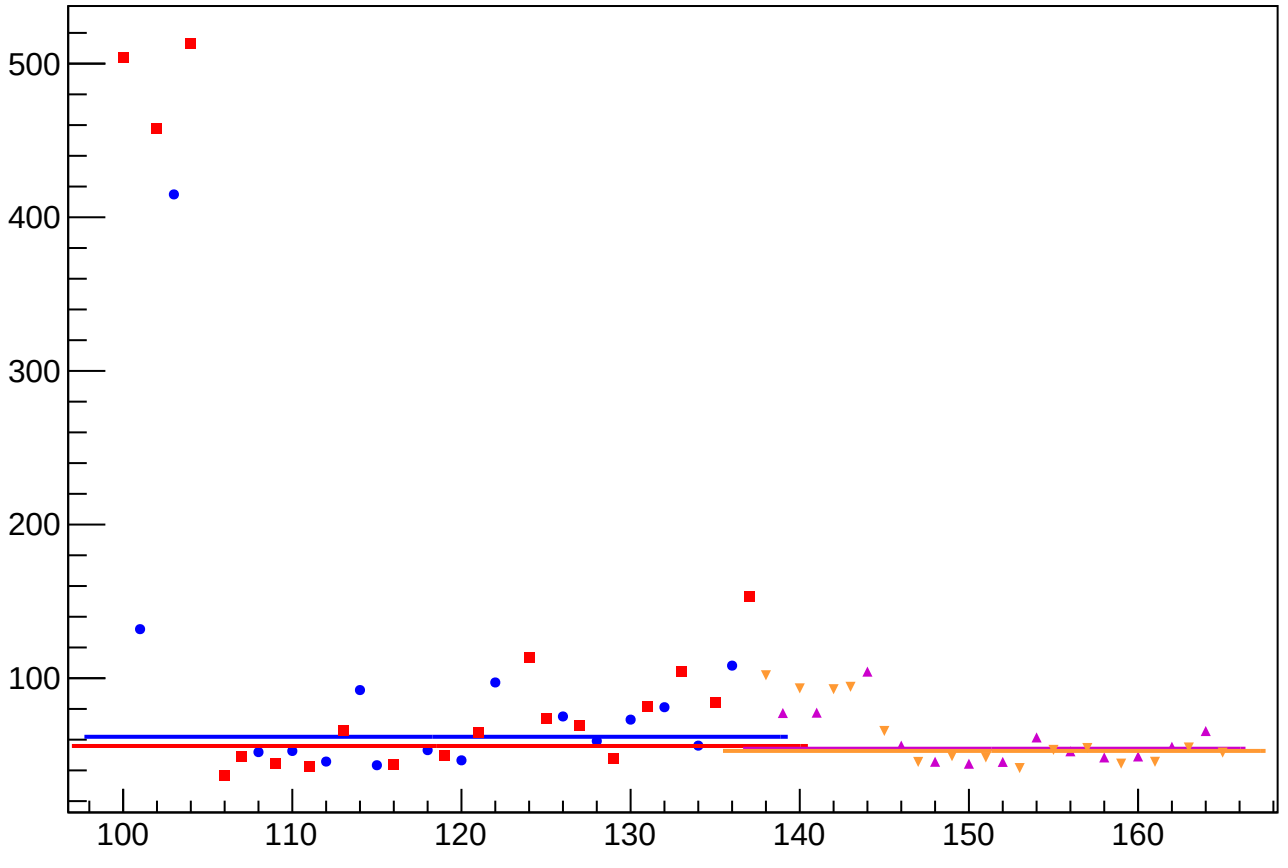
Left: -0.001+/-0.012 χ^2/NDF: 27.2/27

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.010+/-0.010 χ^2/NDF: 65.2/62



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363880.9/14

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.104+/-0.012 χ^2/NDF:966654.0/12

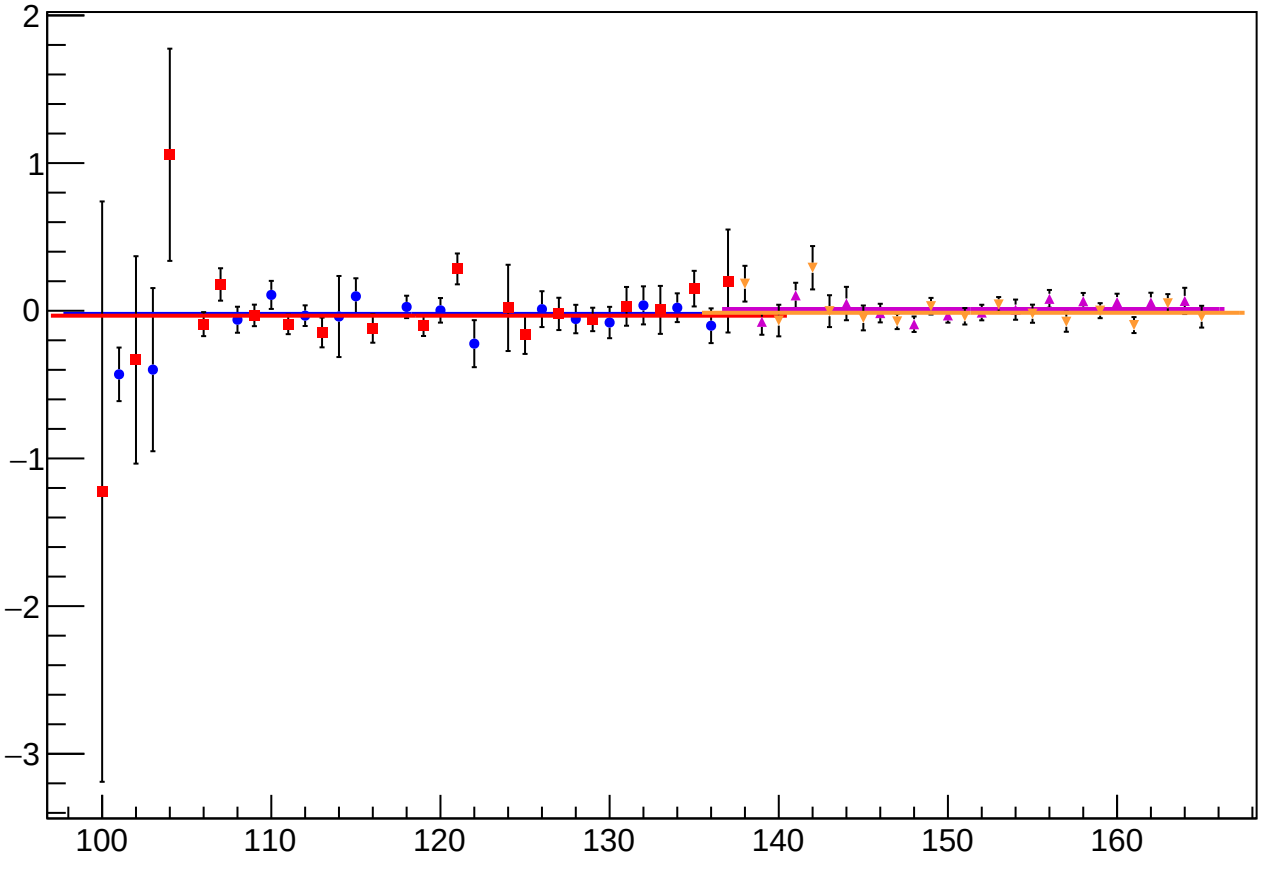
Left: 53.365+/-0.009 χ^2/NDF: 2337276.0/27

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.486+/-0.010 χ^2/NDF:3023401.7/28

Out: 53.716+/-0.010 χ^2/NDF:3978179.8/33

All: 55.029+/-0.007 χ^2/NDF: 7038934.7/62



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

Left: -0.001+/-0.012 χ^2/NDF: 27.2/27

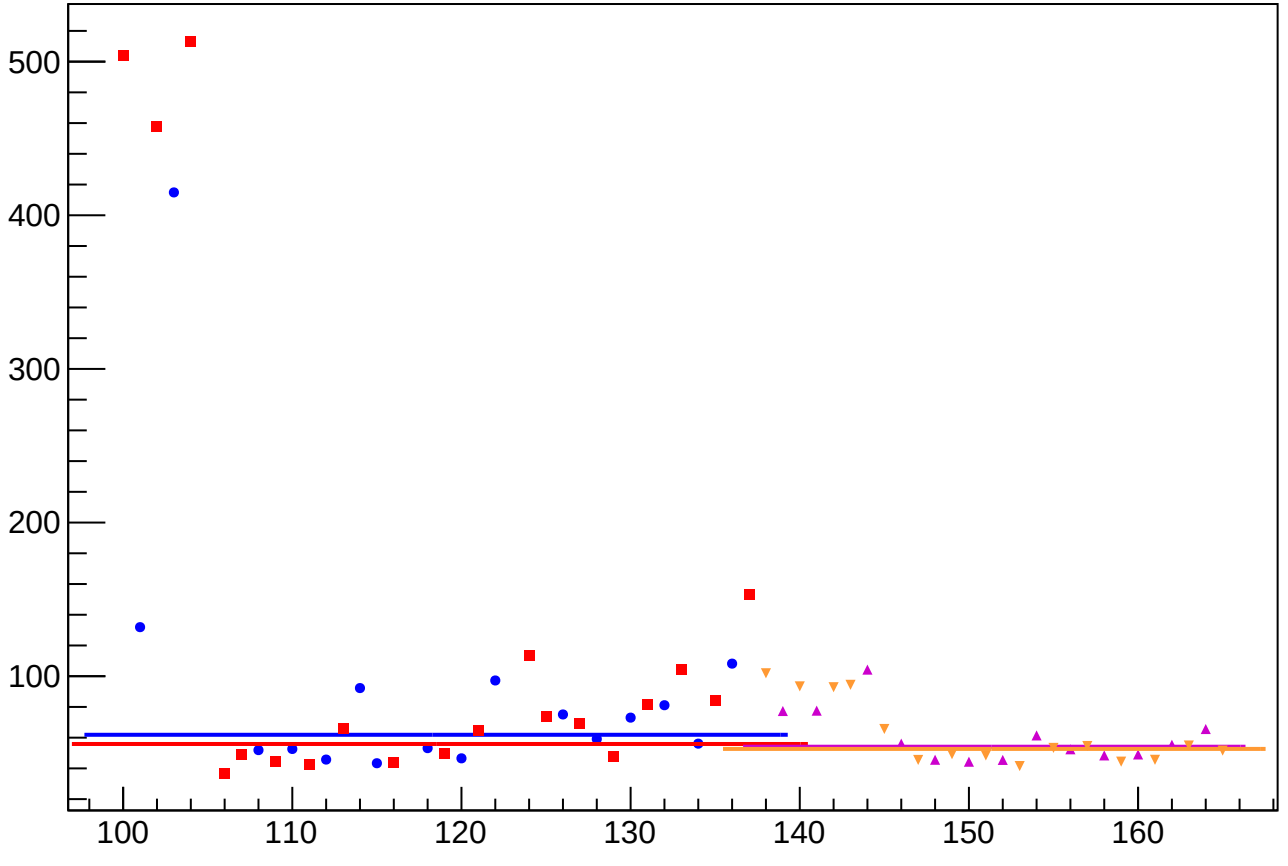
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.010+/-0.010 χ^2/NDF: 65.2/62

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363880.9/14

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.104+/-0.012 χ^2/NDF:966654.0/12

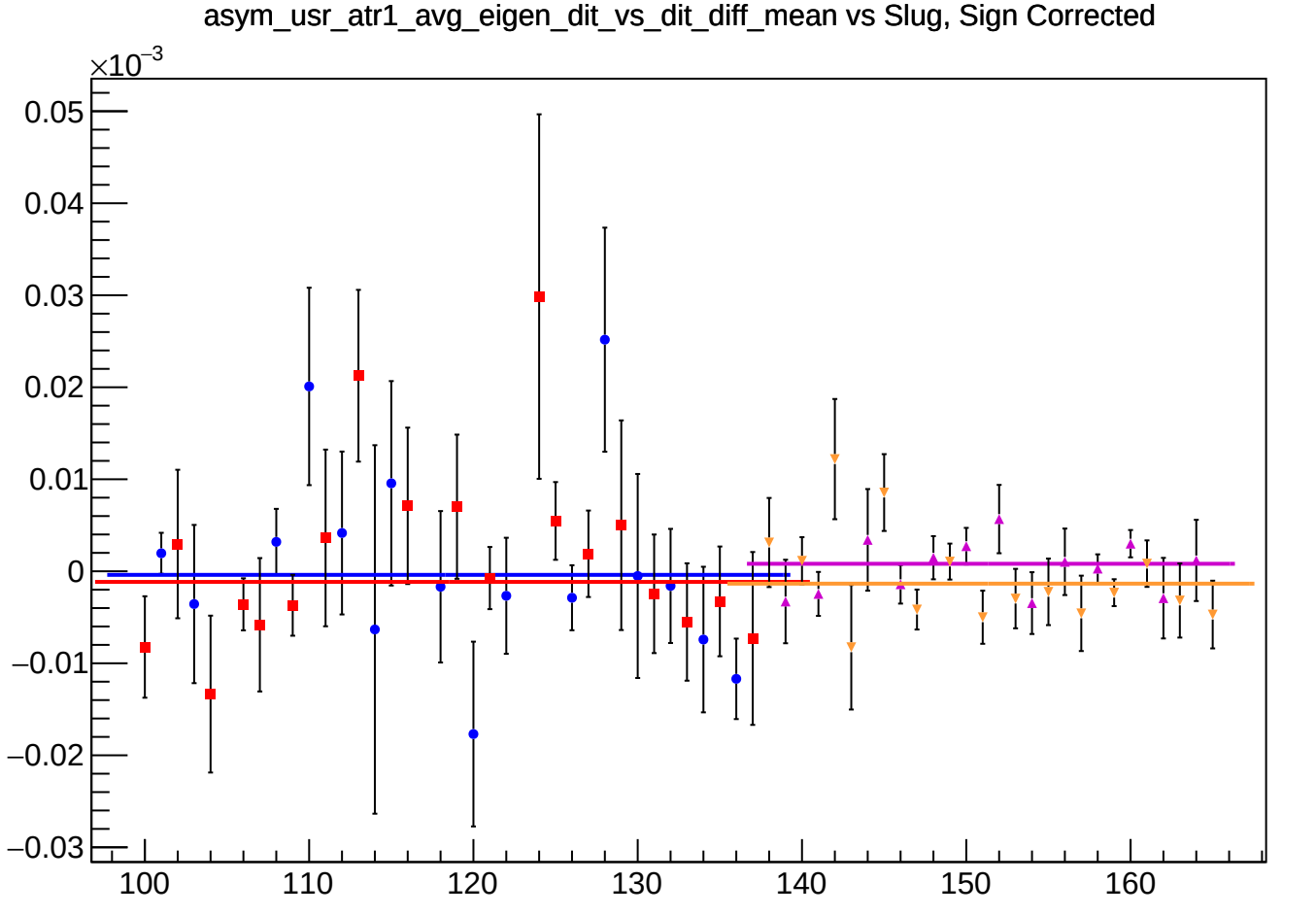
Left: 53.365+/-0.009 χ^2/NDF: 2337276.0/27

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.486+/-0.010 χ^2/NDF:3023401.7/28

Out: 53.716+/-0.010 χ^2/NDF:3978179.8/33

All: 55.029+/-0.007 χ^2/NDF: 7038934.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/12

Left: -0.000+/-0.000 χ^2/NDF: 36.8/27

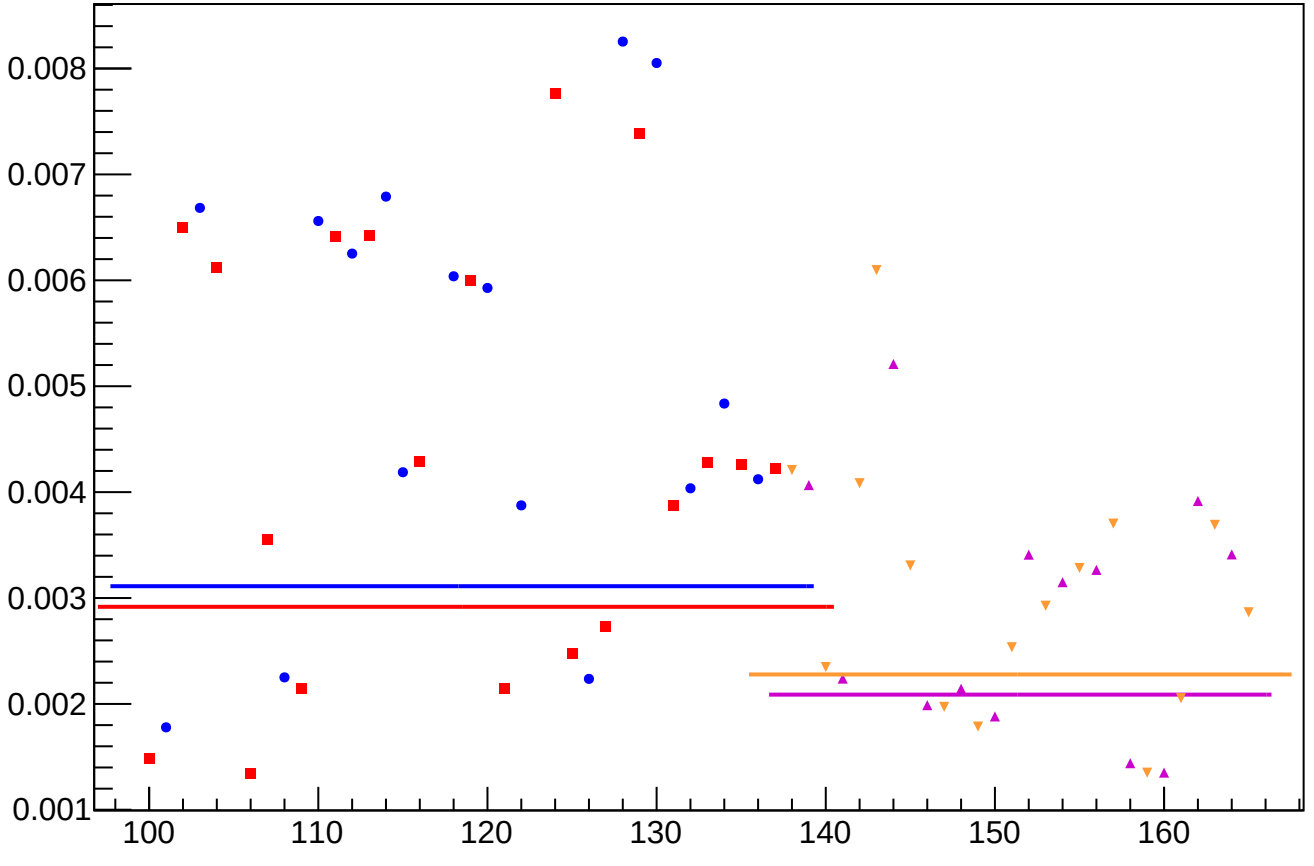
Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.6/28

Out: -0.000+/-0.000 χ^2/NDF:41.2/33

All: -0.000+/-0.000 χ^2/NDF: 80.3/62

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3006582.0/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3090331.0/12

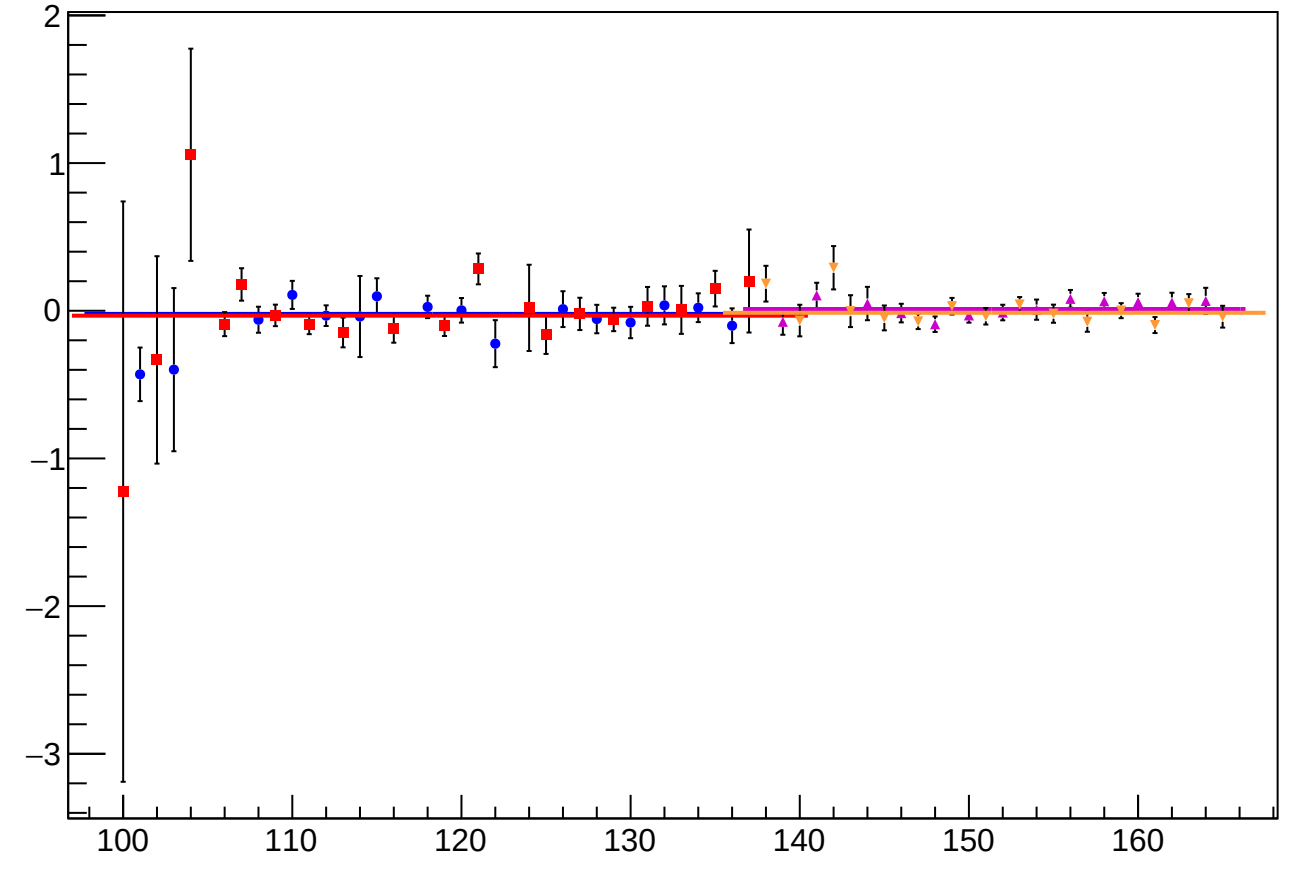
Left: 0.002+/-0.000 χ^2/NDF: 6169343.1/27

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:7309185.1/28

Out: 0.002+/-0.000 χ^2/NDF:6690725.9/33

All: 0.002+/-0.000 χ^2/NDF: 14049154.1/62



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

Left: -0.001+/-0.012 χ^2/NDF: 27.2/27

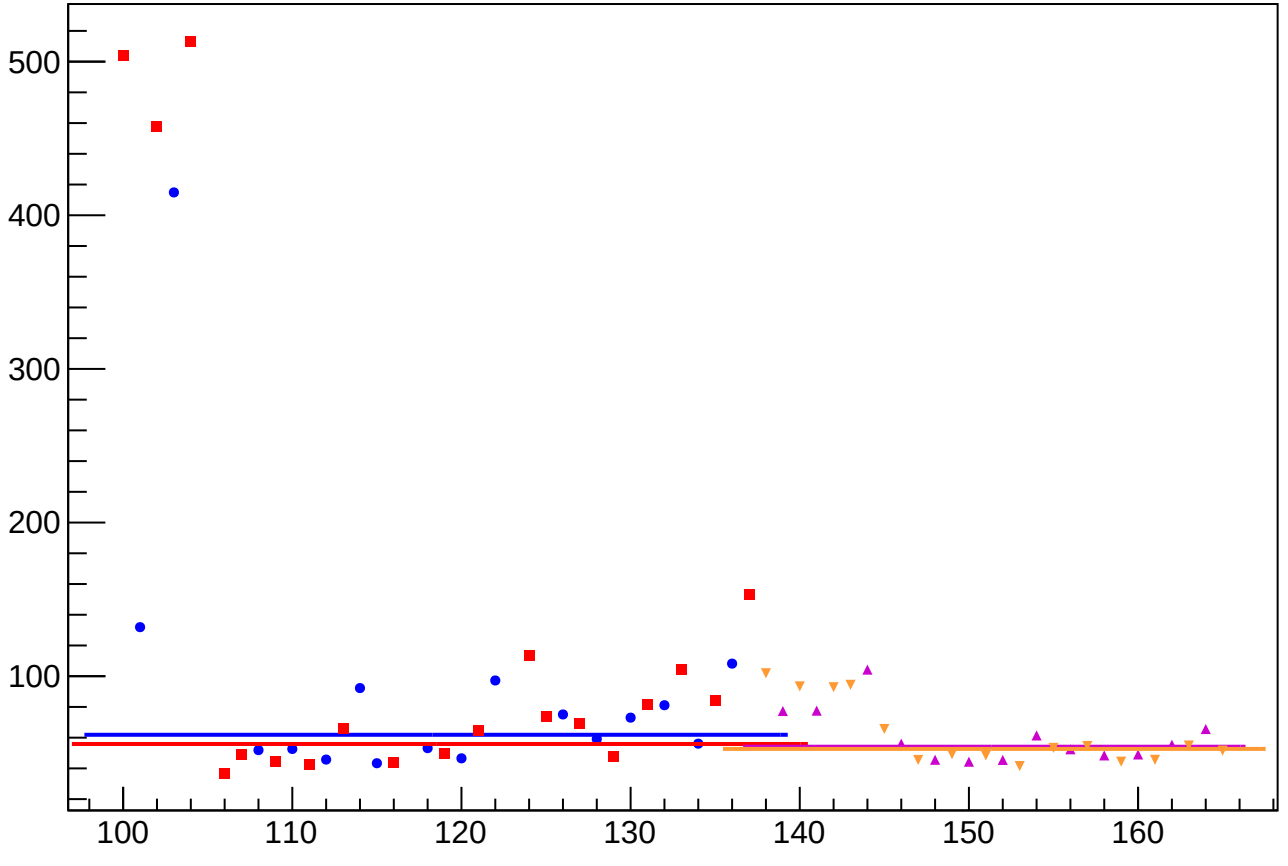
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.010+/-0.010 χ^2/NDF: 65.2/62

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: 52.683+/-0.012 χ^2/NDF:1363913.5/14

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

Left: 53.365+/-0.009 χ^2/NDF: 2337293.0/27

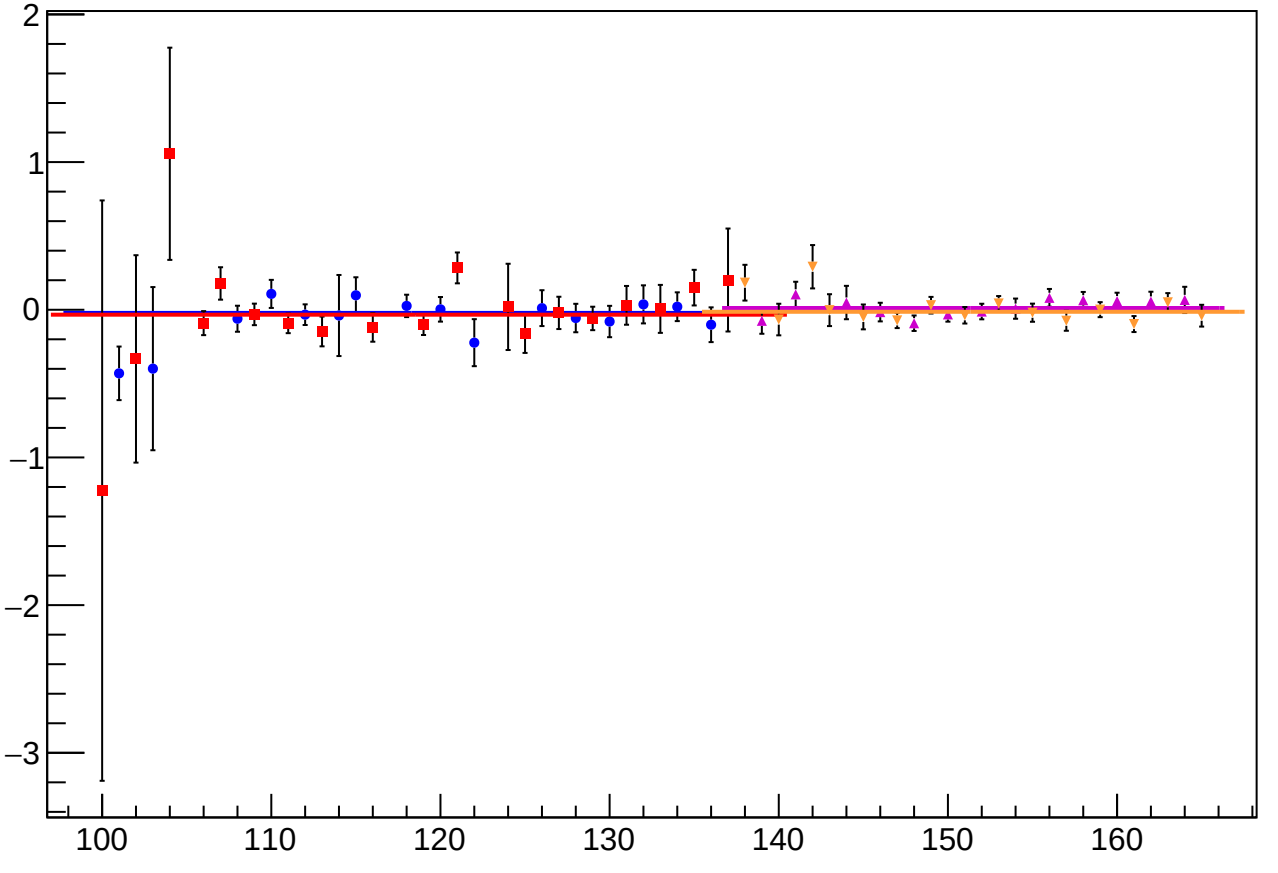
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.486+/-0.010 χ^2/NDF:3023312.1/28

Out: 53.715+/-0.010 χ^2/NDF:3978161.0/33

All: 55.029+/-0.007 χ^2/NDF: 7038832.9/62

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: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

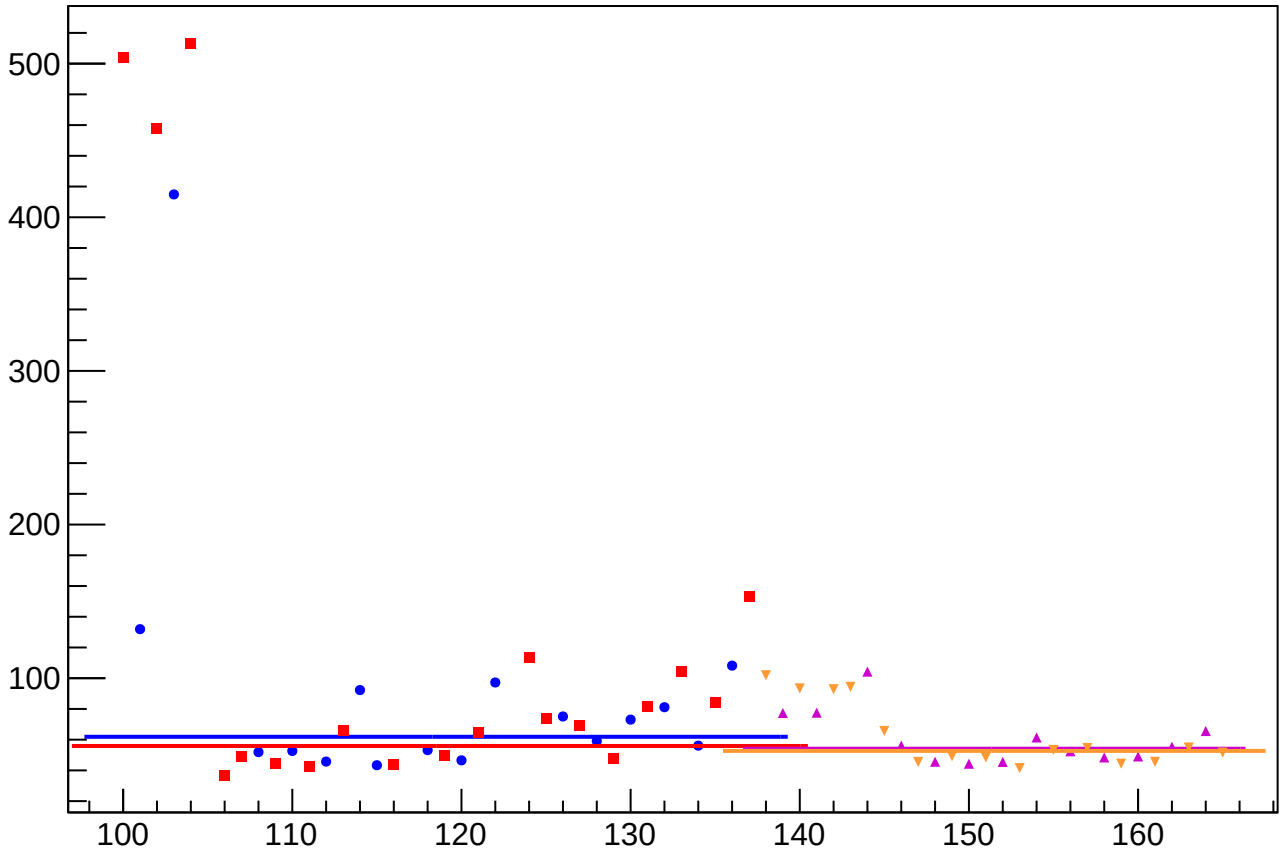
Left: -0.001+/-0.012 χ^2/NDF: 27.2/27

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.010+/-0.010 χ^2/NDF: 65.2/62



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363913.5/14

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

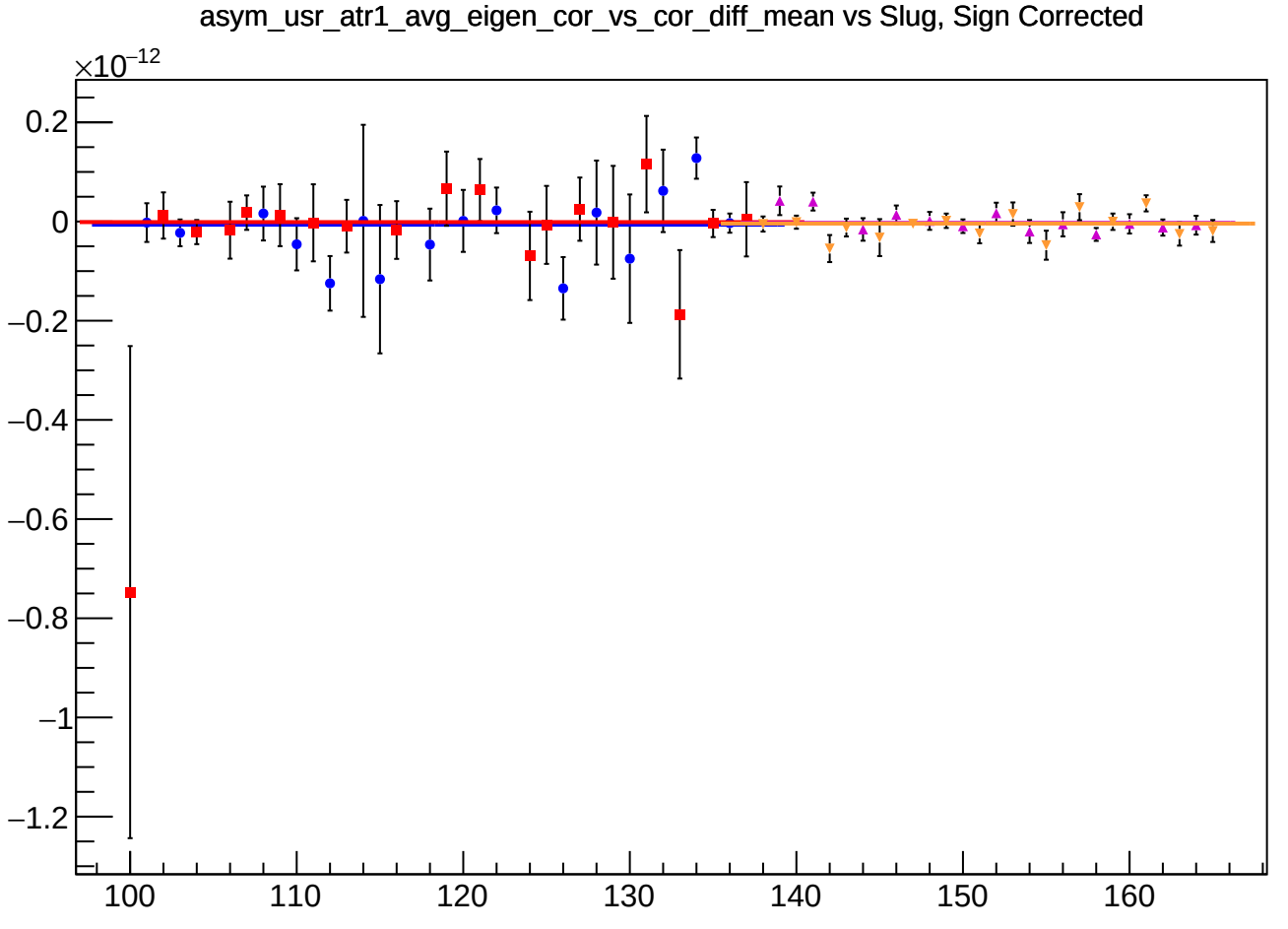
Left: 53.365+/-0.009 χ^2/NDF: 2337293.0/27

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.486+/-0.010 χ^2/NDF:3023312.1/28

Out: 53.715+/-0.010 χ^2/NDF:3978161.0/33

All: 55.029+/-0.007 χ^2/NDF: 7038832.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/12

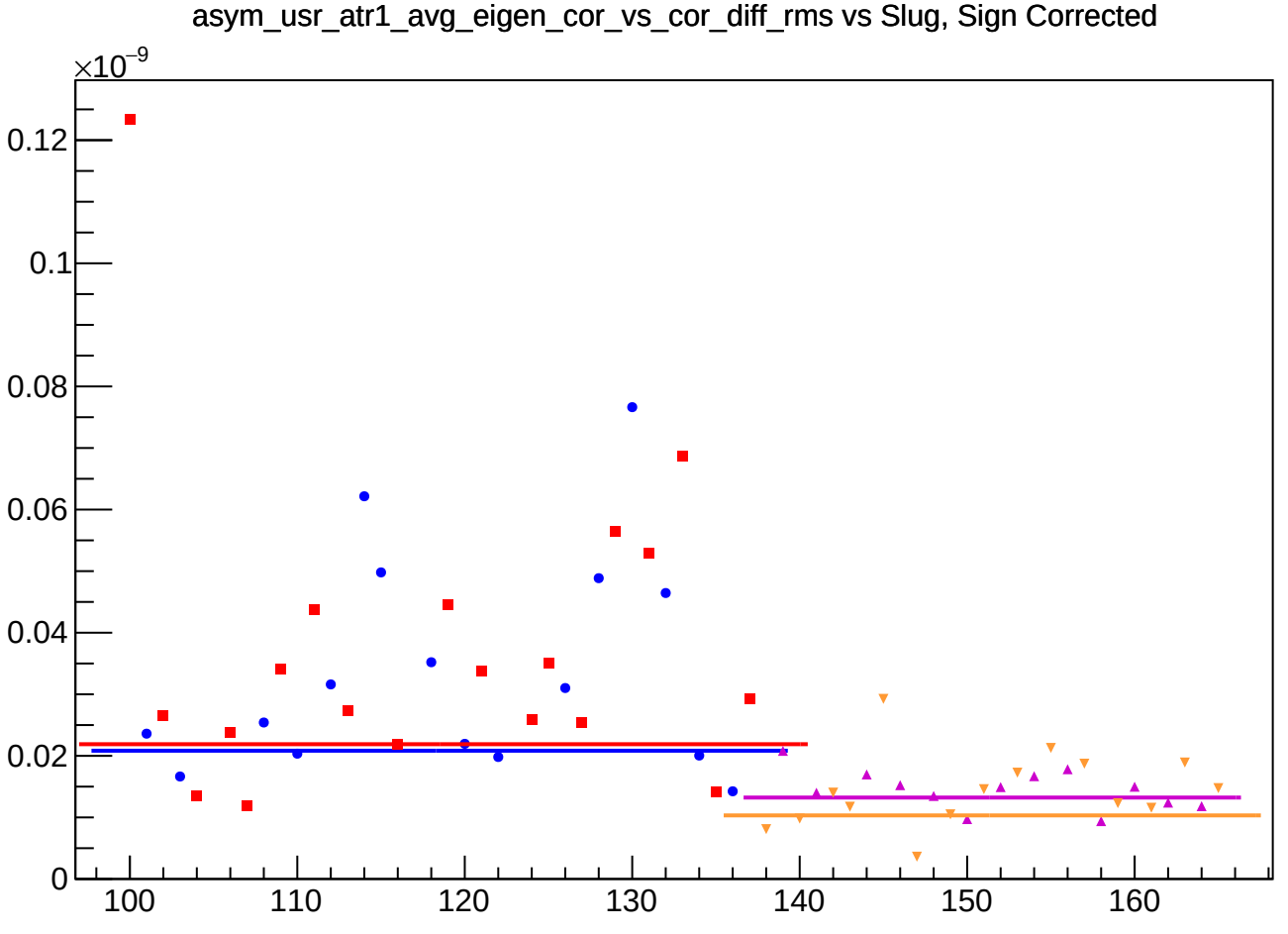
Left: -0.000+/-0.000 χ^2/NDF: 32.0/27

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:37.1/28

Out: -0.000+/-0.000 χ^2/NDF:27.3/33

All: -0.000+/-0.000 χ^2/NDF: 64.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3047057.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:683731.0/12

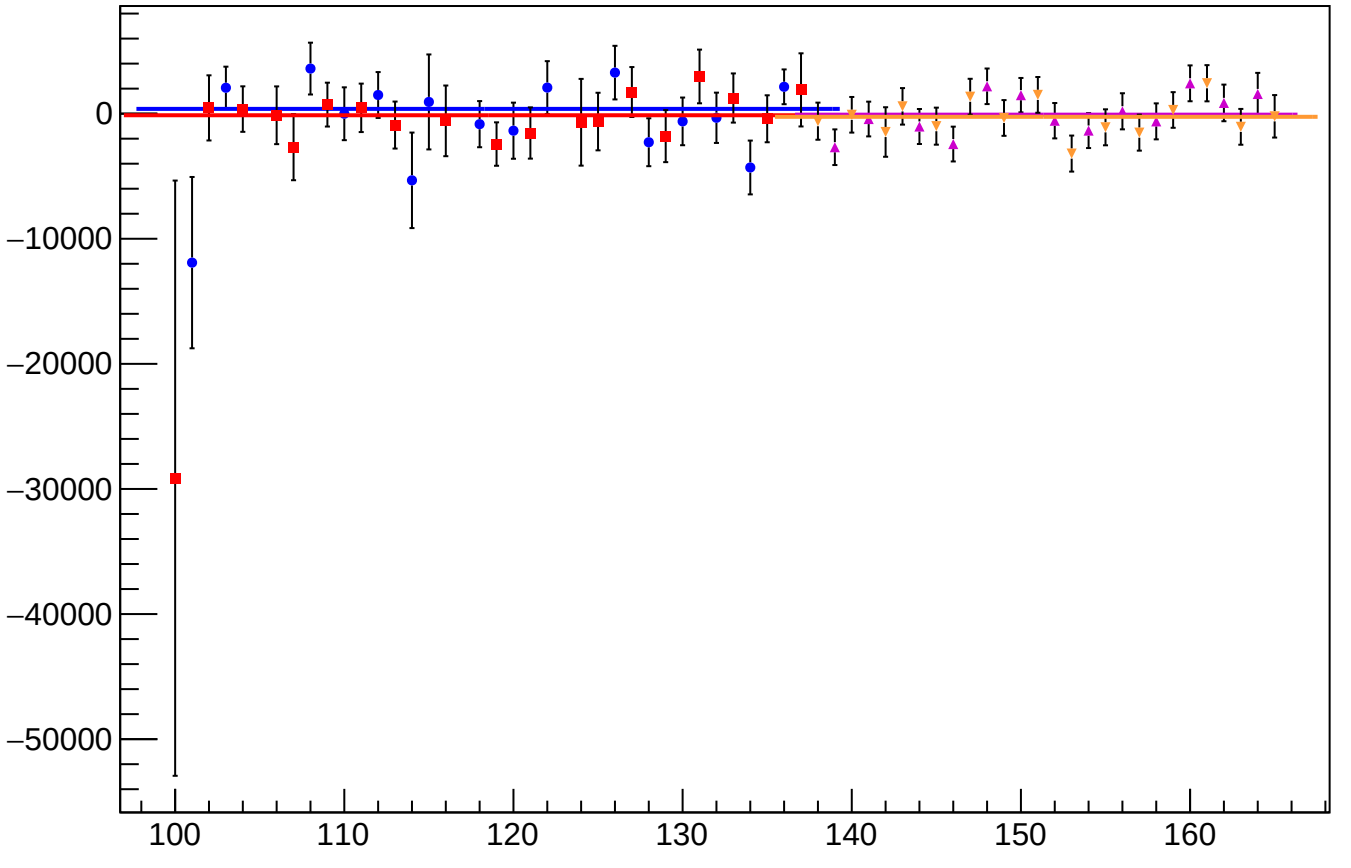
Left: 0.000+/-0.000 χ^2/NDF: 4102993.1/27

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2822614.2/28

Out: 0.000+/-0.000 χ^2/NDF:6618957.5/33

All: 0.000+/-0.000 χ^2/NDF: 9856764.4/62



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -252.669+/-382.071 χ^2/NDF:13.0/14

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -80.863+/-397.045 χ^2/NDF:16.1/12

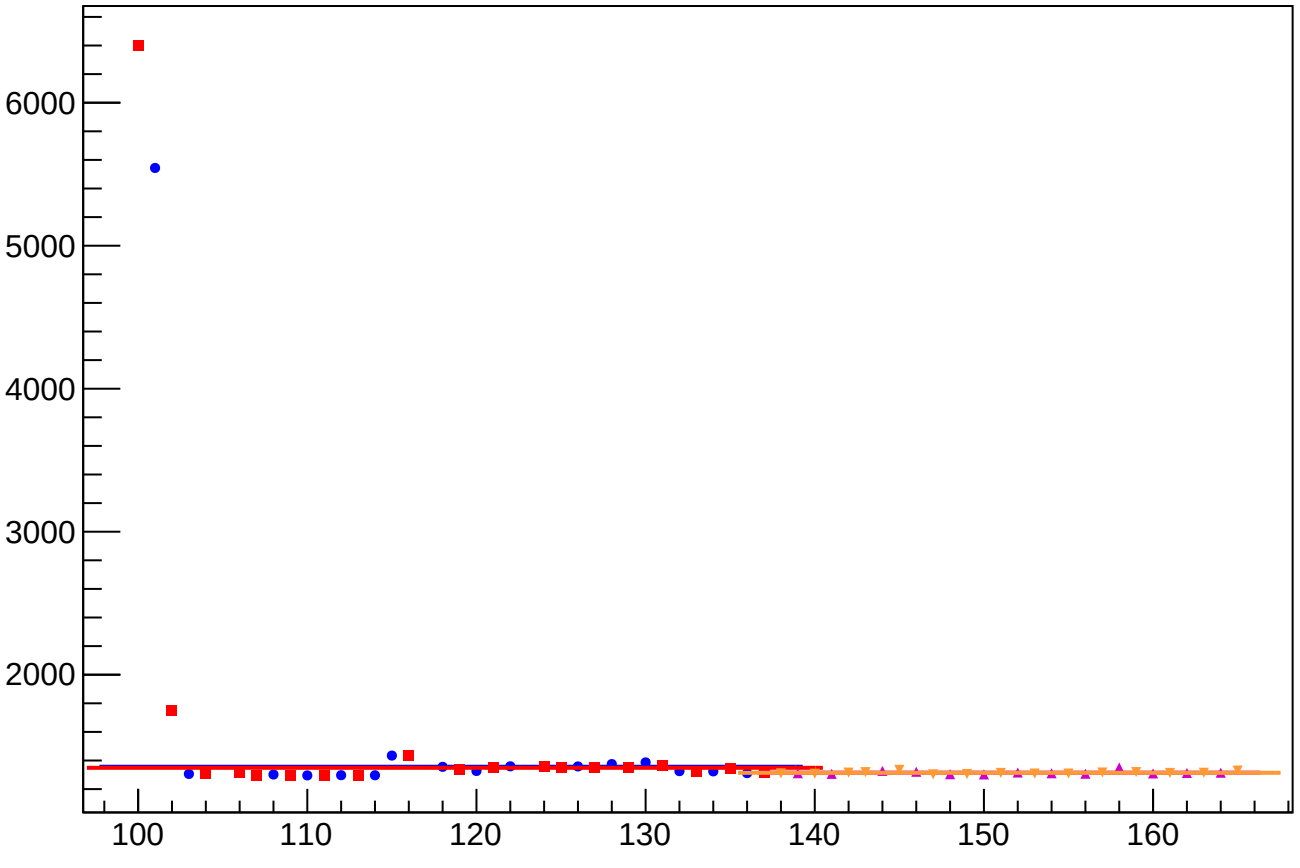
Left: -170.067+/-275.306 χ^2/NDF: 29.2/27

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 90.303+/-315.076 χ^2/NDF:38.1/28

Out: -206.798+/-303.804 χ^2/NDF:23.0/33

All: -63.657+/-218.698 χ^2/NDF: 61.5/62



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

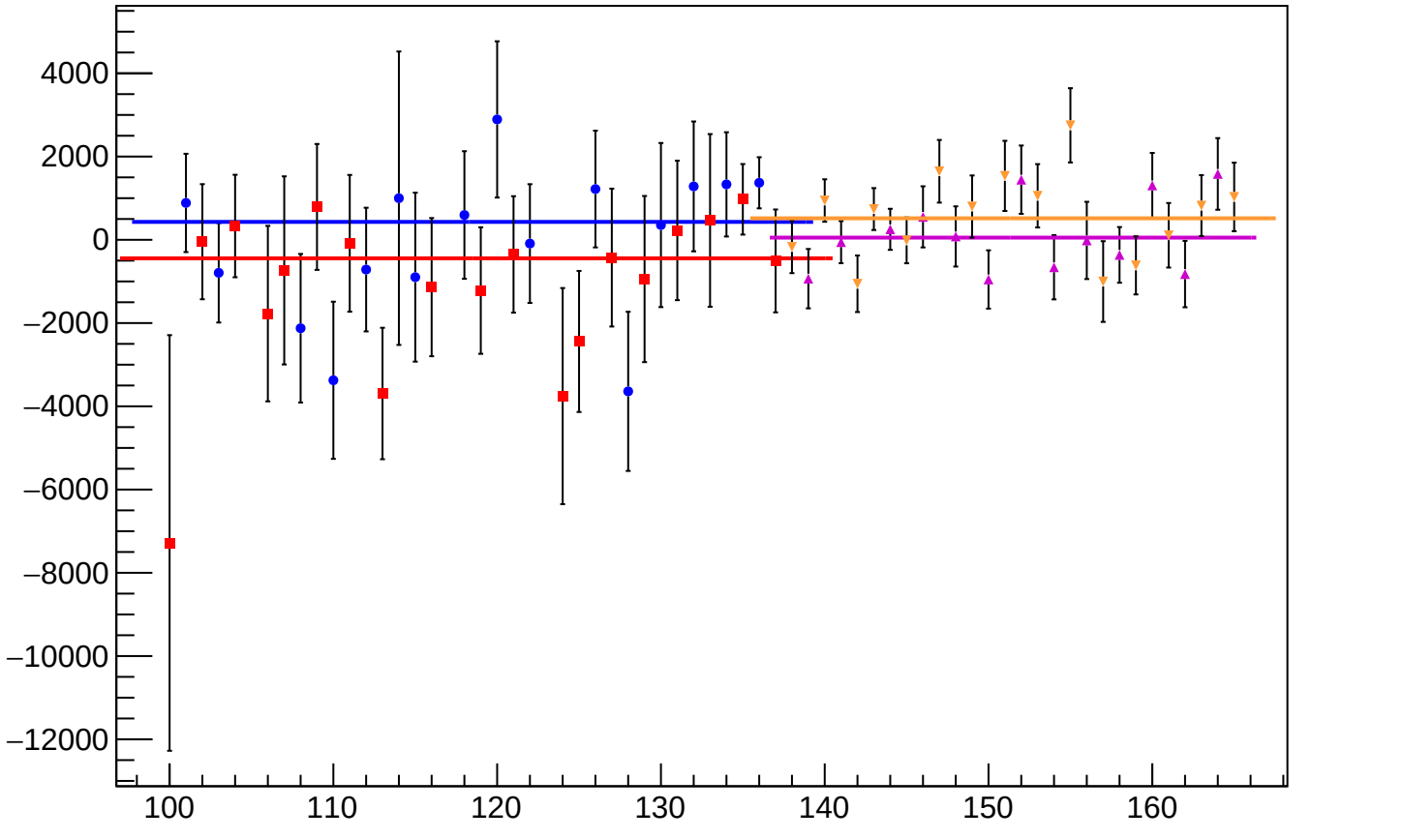
Left: 1314.558+/-0.195 χ^2/NDF: 2856.2/27

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.382+/-0.223 χ^2/NDF:770235.1/28

Out: 1326.906+/-0.215 χ^2/NDF:154301.5/33

All: 1328.581+/-0.155 χ^2/NDF: 924662.8/62



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 516.972+/-177.186 χ^2/NDF:24.9/14

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 52.426+/-192.749 χ^2/NDF:15.7/12

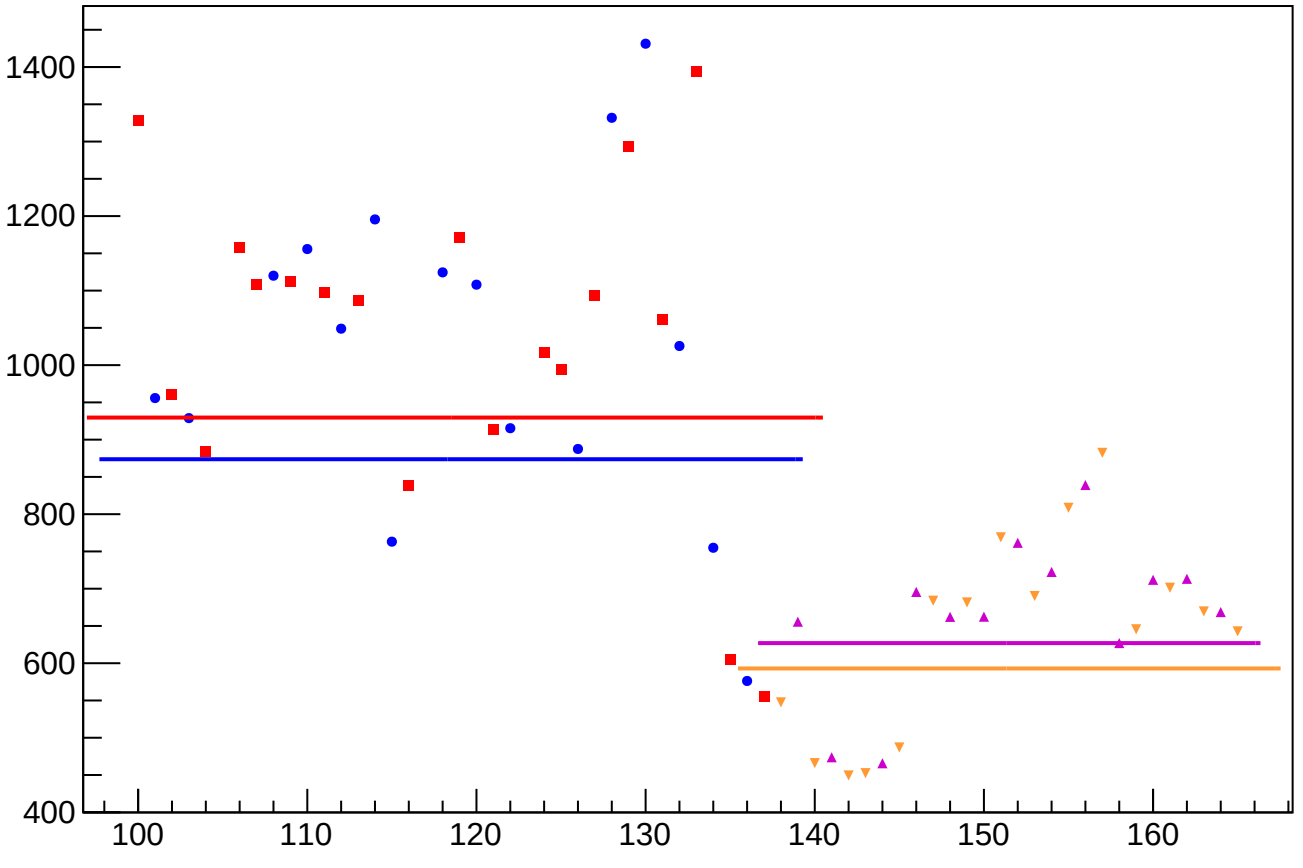
Left: 304.209+/-130.445 χ^2/NDF: 43.8/27

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 144.981+/-167.493 χ^2/NDF:34.9/28

Out: 325.725+/-158.589 χ^2/NDF:45.2/33

All: 240.285+/-115.158 χ^2/NDF: 80.7/62



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 592.969+/-0.125 χ^2/NDF:1005464.6/14

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 627.013+/-0.136 χ^2/NDF:668362.8/12

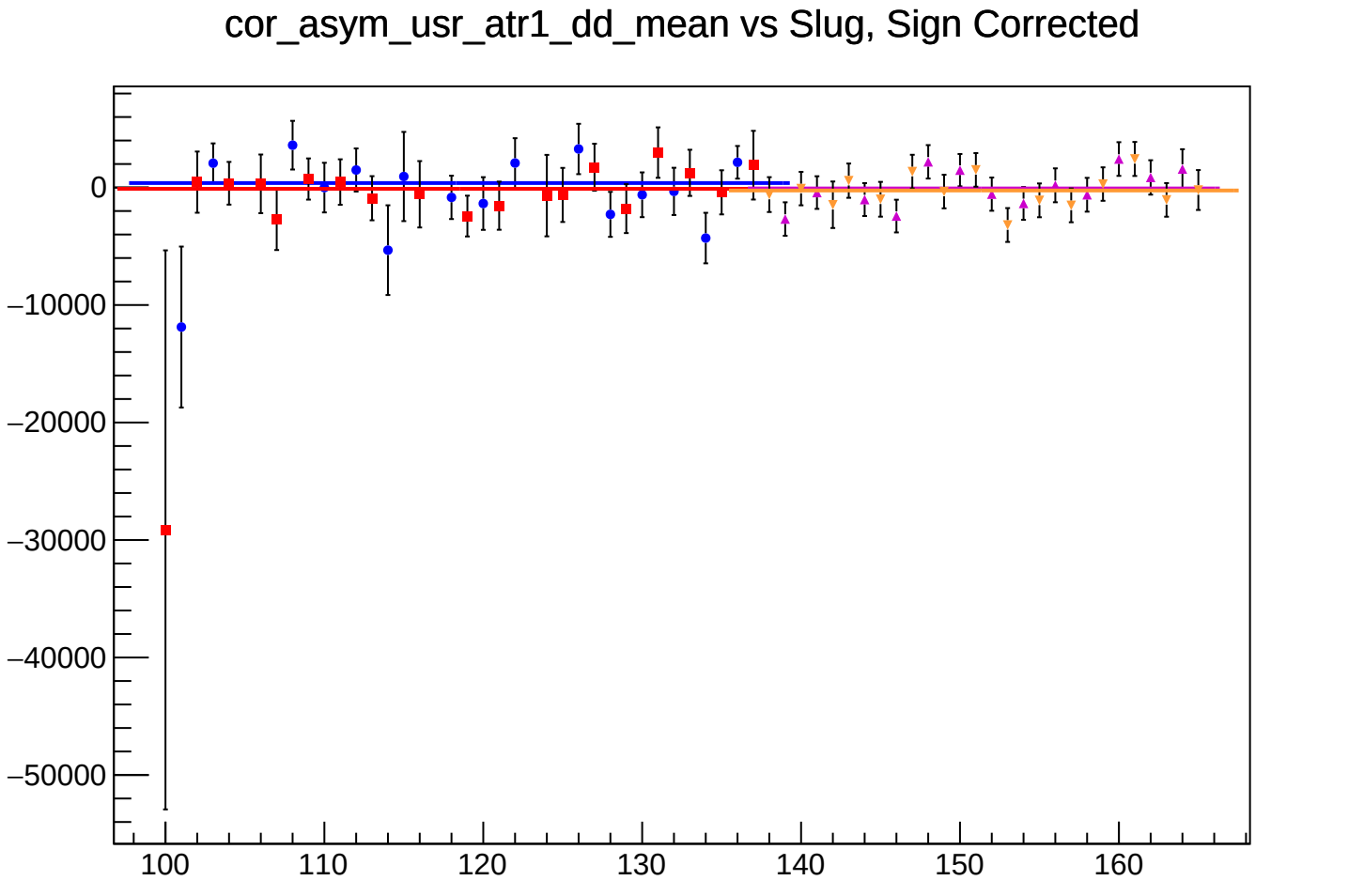
Left: 608.561+/-0.092 χ^2/NDF: 1707643.7/27

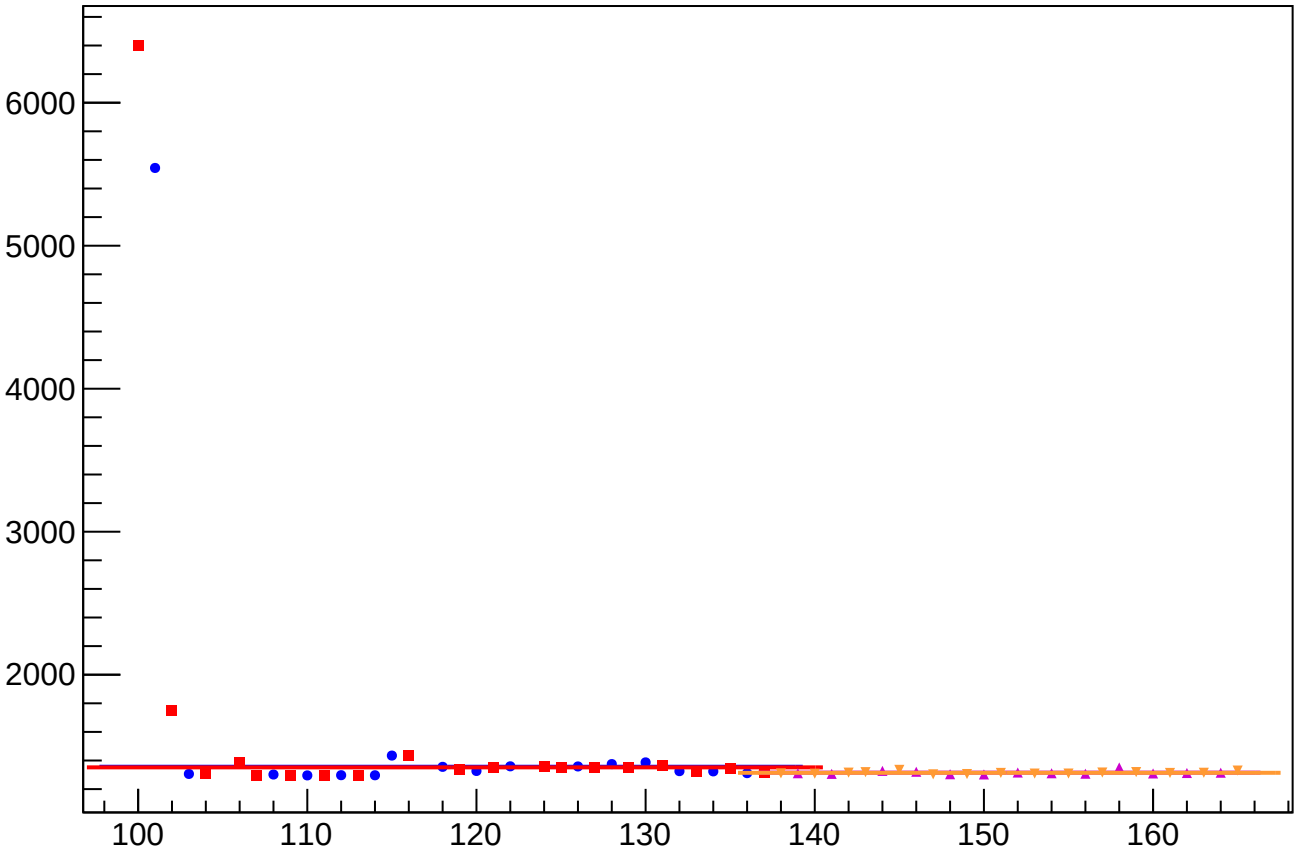
Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 687.433+/-0.118 χ^2/NDF:2485700.4/28

Out: 659.932+/-0.112 χ^2/NDF:3301587.0/33

All: 672.932+/-0.081 χ^2/NDF: 5815718.4/62


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -252.730+/-382.071 χ²/NDF:13.0/14
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -80.885+/-397.045 χ²/NDF:16.1/12
Left: -170.109+/-275.306 χ²/NDF: 29.2/27
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 90.403+/-315.076 χ²/NDF:38.1/28
Out: -200.572+/-304.184 χ²/NDF:23.0/33
All: -60.201+/-218.840 χ²/NDF: 61.5/62



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

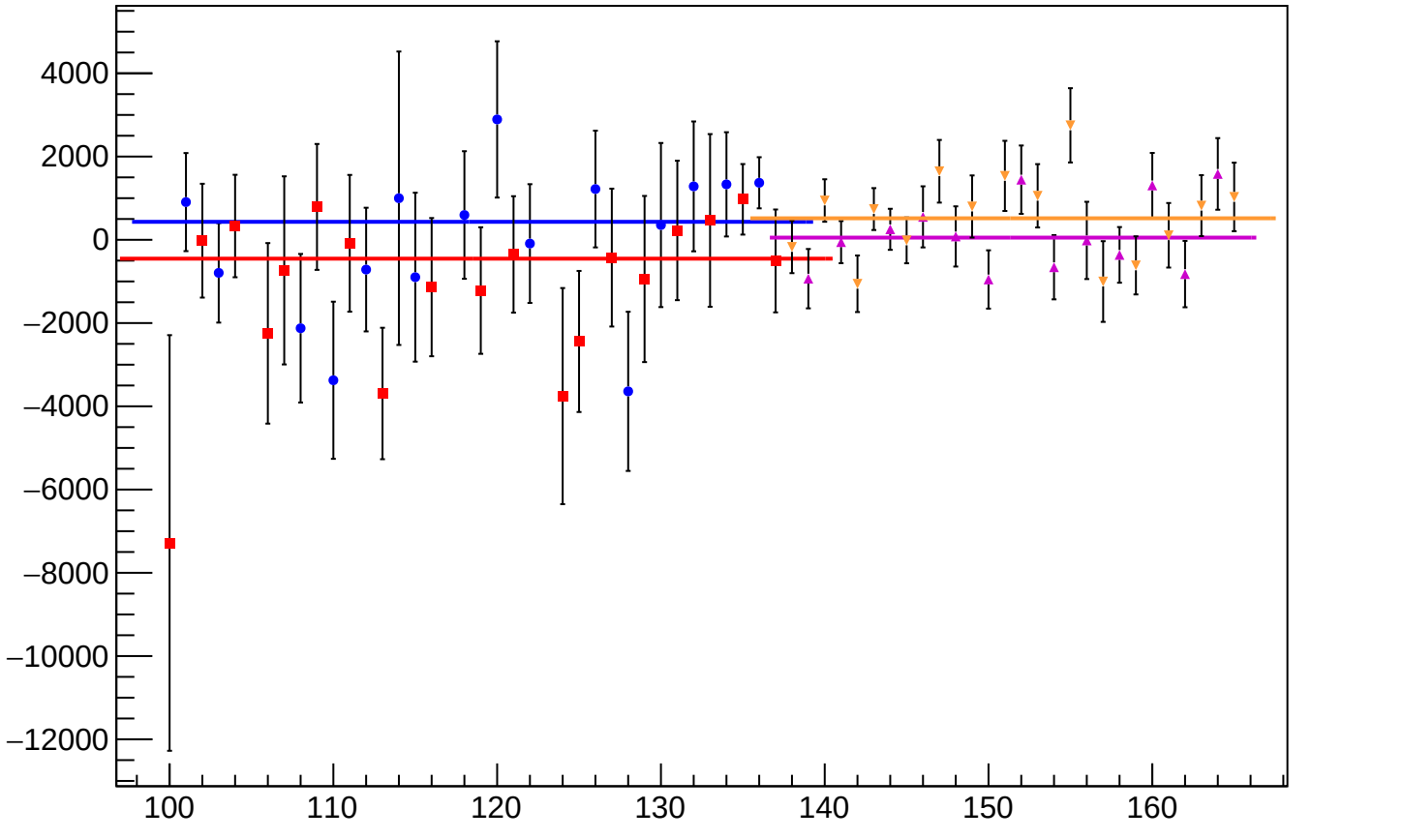
Left: 1314.558+/-0.195 χ^2/NDF: 2856.2/27

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.382+/-0.223 χ^2/NDF:770234.2/28

Out: 1327.989+/-0.215 χ^2/NDF:155473.2/33

All: 1329.143+/-0.155 χ^2/NDF: 925767.0/62



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 516.901+/-177.186 χ^2/NDF:24.9/14

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 52.444+/-192.748 χ^2/NDF:15.7/12

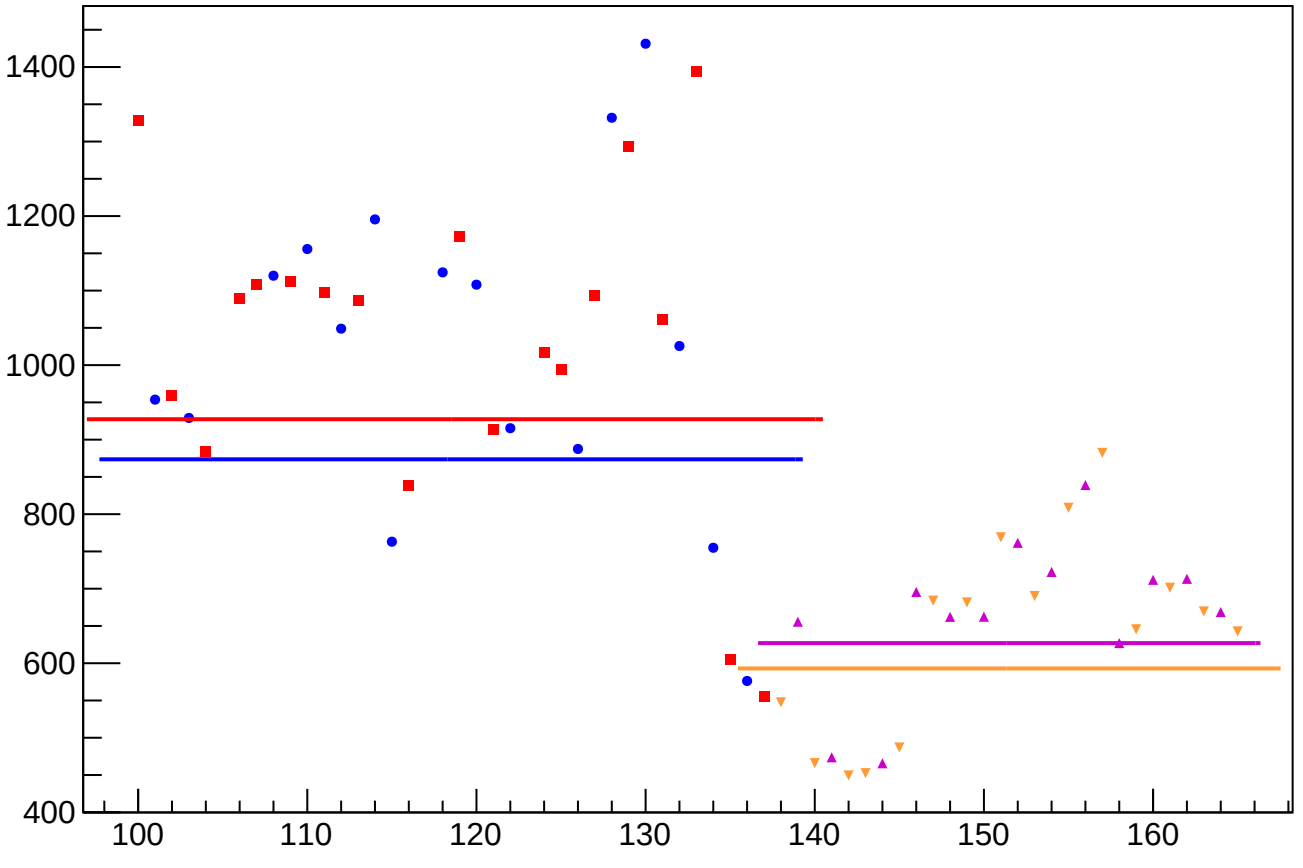
Left: 304.176+/-130.444 χ^2/NDF: 43.8/27

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 145.451+/-167.485 χ^2/NDF:34.9/28

Out: 323.984+/-158.589 χ^2/NDF:45.6/33

All: 239.584+/-115.156 χ^2/NDF: 81.1/62



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 592.970+/-0.125 χ^2/NDF:1005405.9/14

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

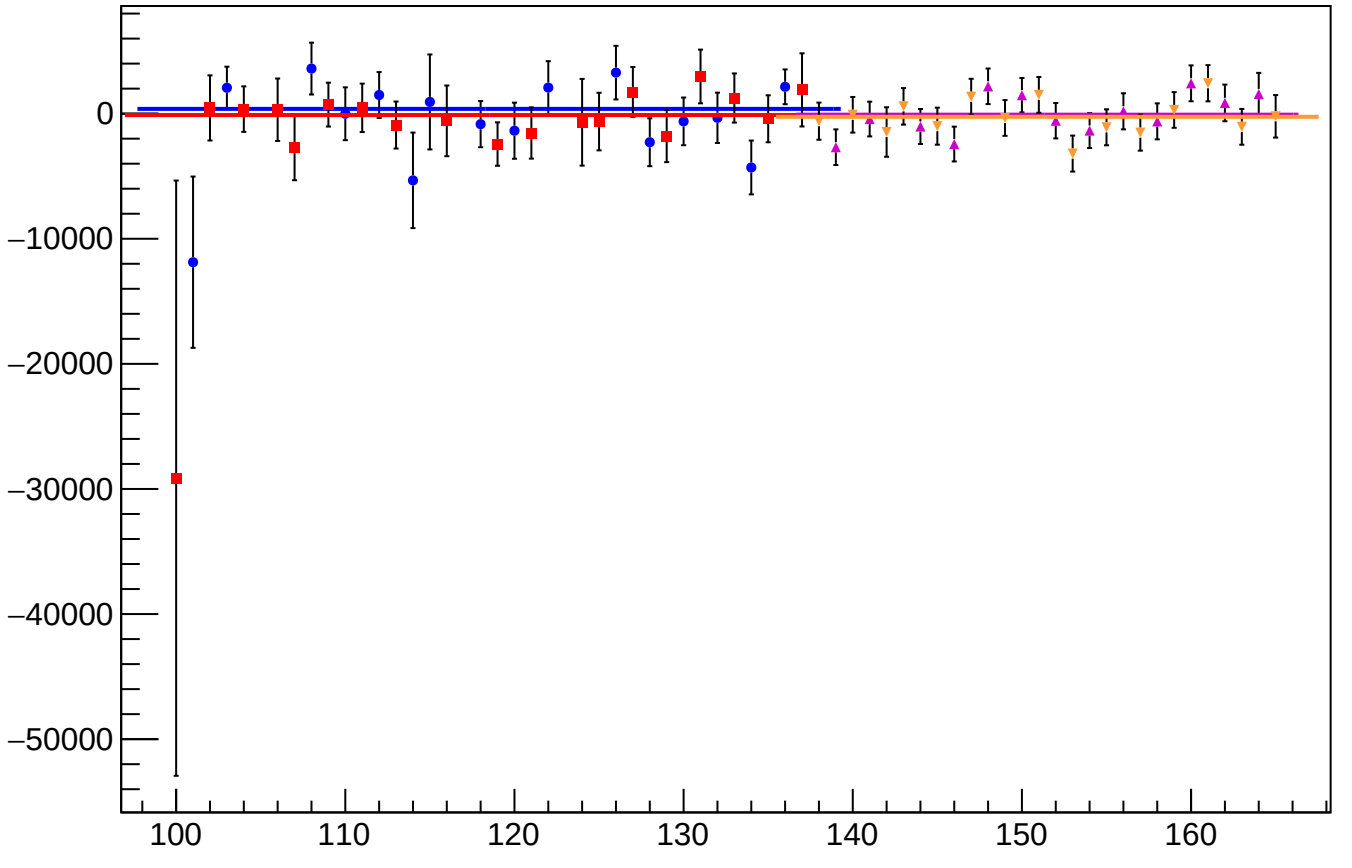
Left: 608.559+/-0.092 χ^2/NDF: 1707633.6/27

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 687.412+/-0.118 χ^2/NDF:2484735.2/28

Out: 659.488+/-0.112 χ^2/NDF:3269971.4/33

All: 672.689+/-0.081 χ^2/NDF: 5784018.8/62



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -252.730+/-382.071 χ^2/NDF:13.0/14

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -80.885+/-397.045 χ^2/NDF:16.1/12

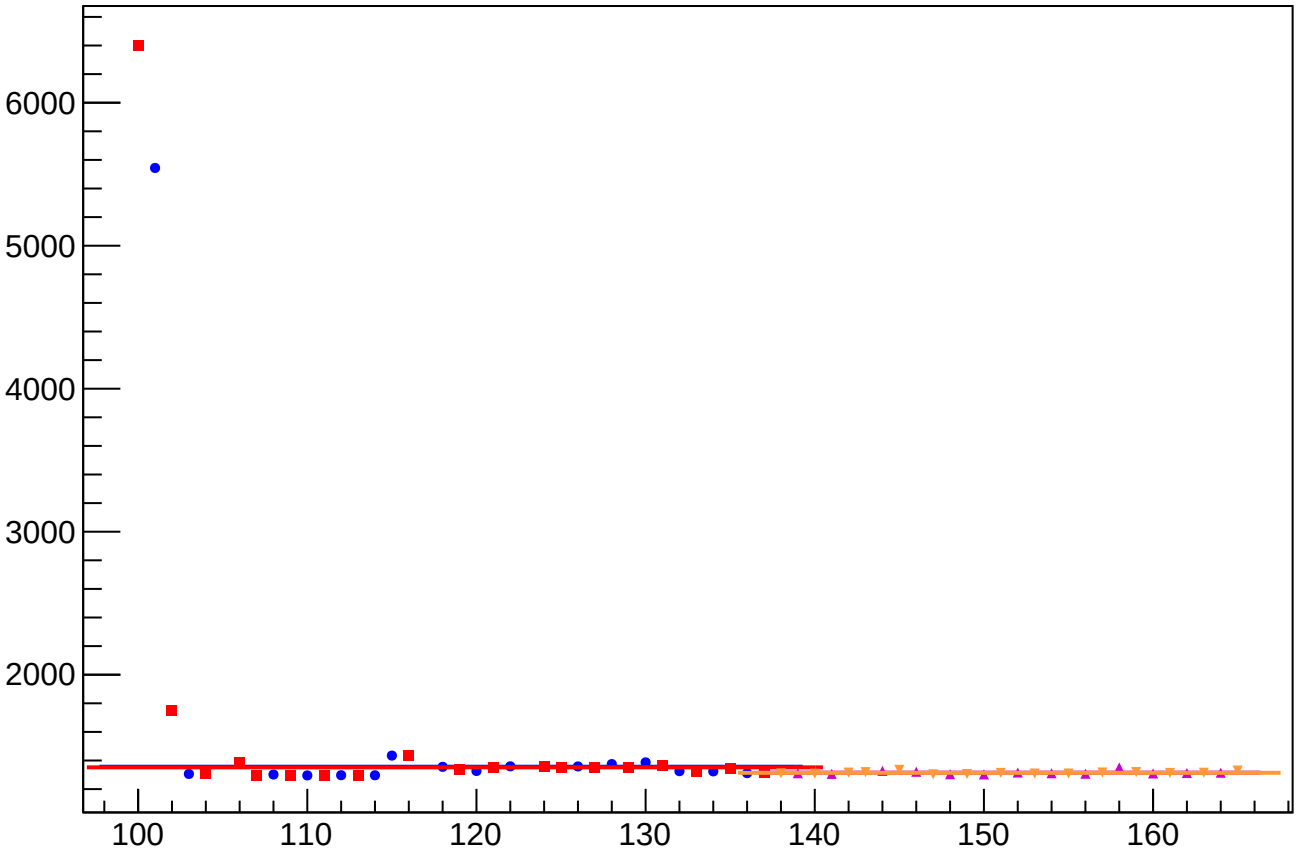
Left: -170.109+/-275.306 χ^2/NDF: 29.2/27

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 90.403+/-315.076 χ^2/NDF:38.1/28

Out: -200.572+/-304.184 χ^2/NDF:23.0/33

All: -60.201+/-218.840 χ^2/NDF: 61.5/62



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

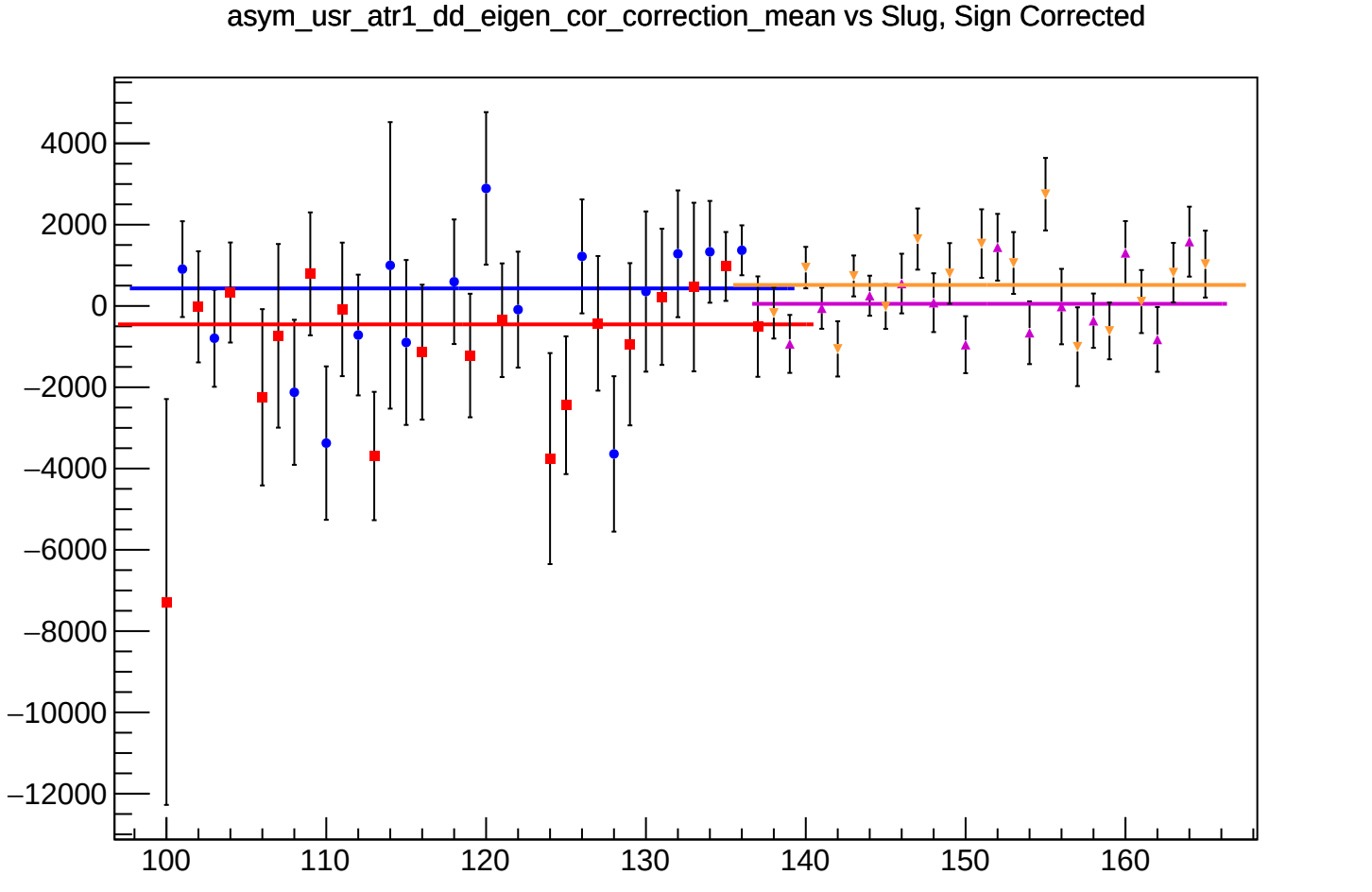
Left: 1314.558+/-0.195 χ^2/NDF: 2856.2/27

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.382+/-0.223 χ^2/NDF:770234.2/28

Out: 1327.989+/-0.215 χ^2/NDF:155473.2/33

All: 1329.143+/-0.155 χ^2/NDF: 925767.0/62


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
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−2000
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−8000
−10000
−12000
100
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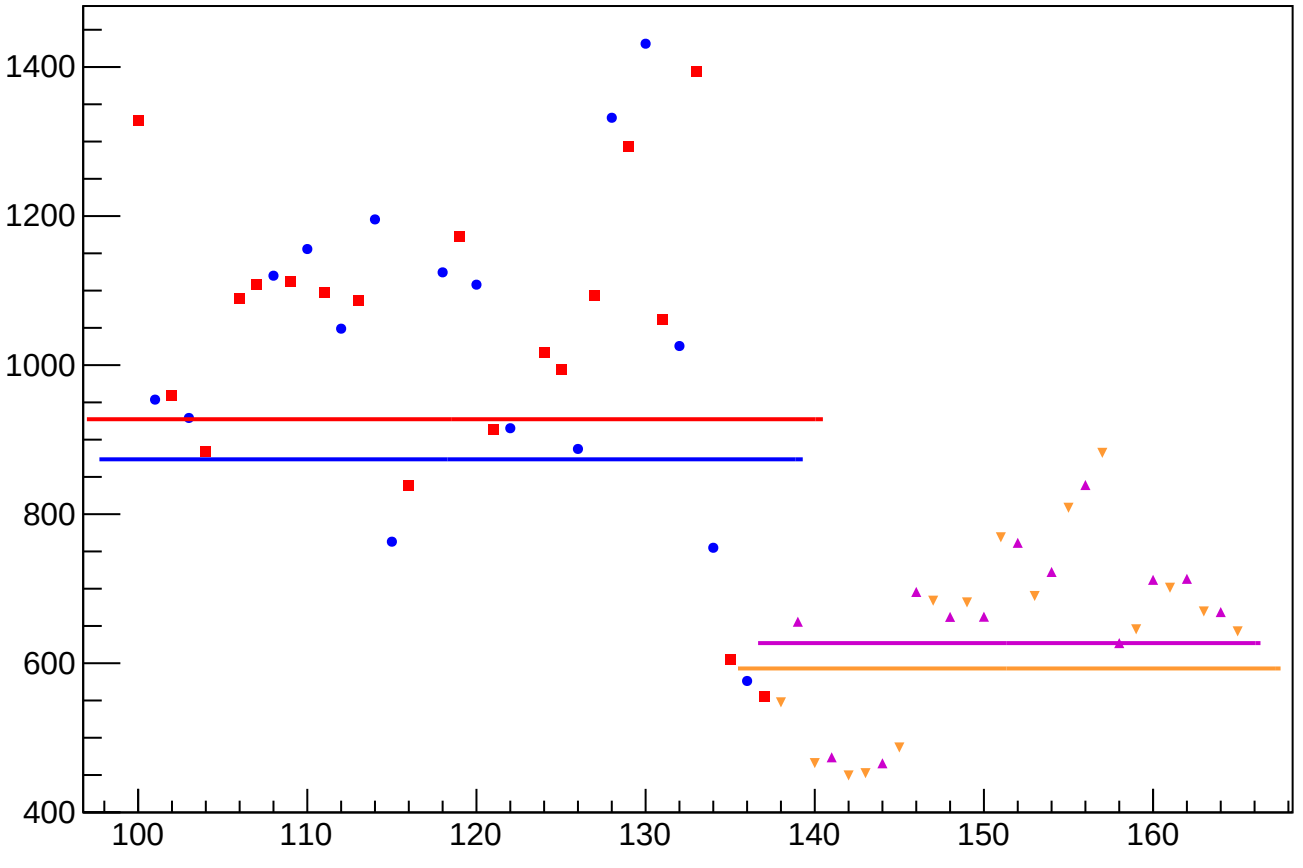
120
130
140
150
160
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 516.901+/-177.186 χ²/NDF:24.9/14
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 52.444+/-192.748 χ²/NDF:15.7/12
Left: 304.176+/-130.444 χ²/NDF: 43.8/27
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 145.451+/-167.485 χ²/NDF:34.9/28
Out: 323.984+/-158.589 χ²/NDF:45.6/33
All: 239.584+/-115.156 χ²/NDF: 81.1/62



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 592.970+/-0.125 χ^2/NDF:1005405.9/14

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

Left: 608.559+/-0.092 χ^2/NDF: 1707633.6/27

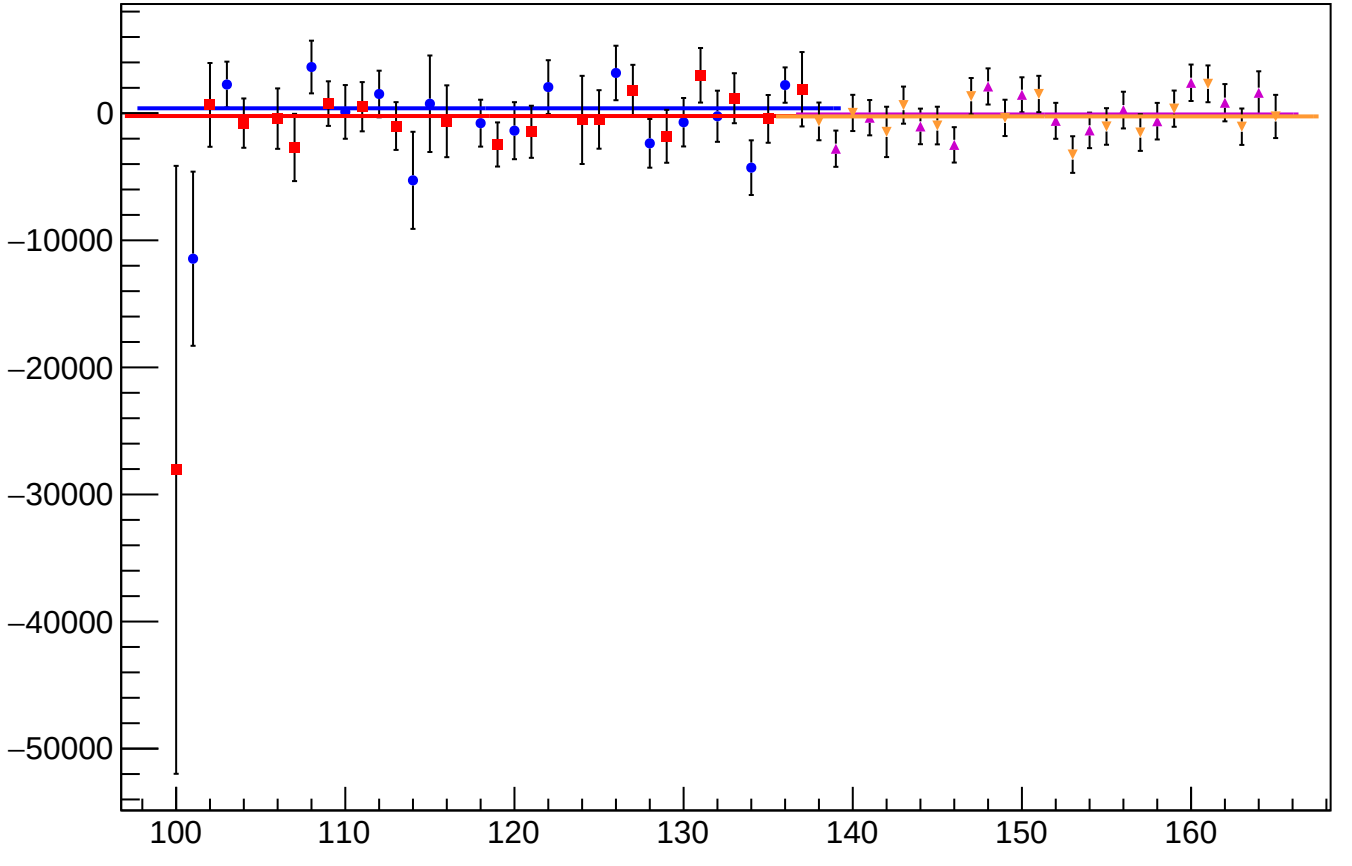
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 687.412+/-0.118 χ^2/NDF:2484735.2/28

Out: 659.488+/-0.112 χ^2/NDF:3269971.4/33

All: 672.689+/-0.081 χ^2/NDF: 5784018.8/62

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.480+/-382.371 χ^2/NDF:12.9/14

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -95.685+/-397.332 χ^2/NDF:16.2/12

Left: -175.013+/-275.514 χ^2/NDF: 29.2/27

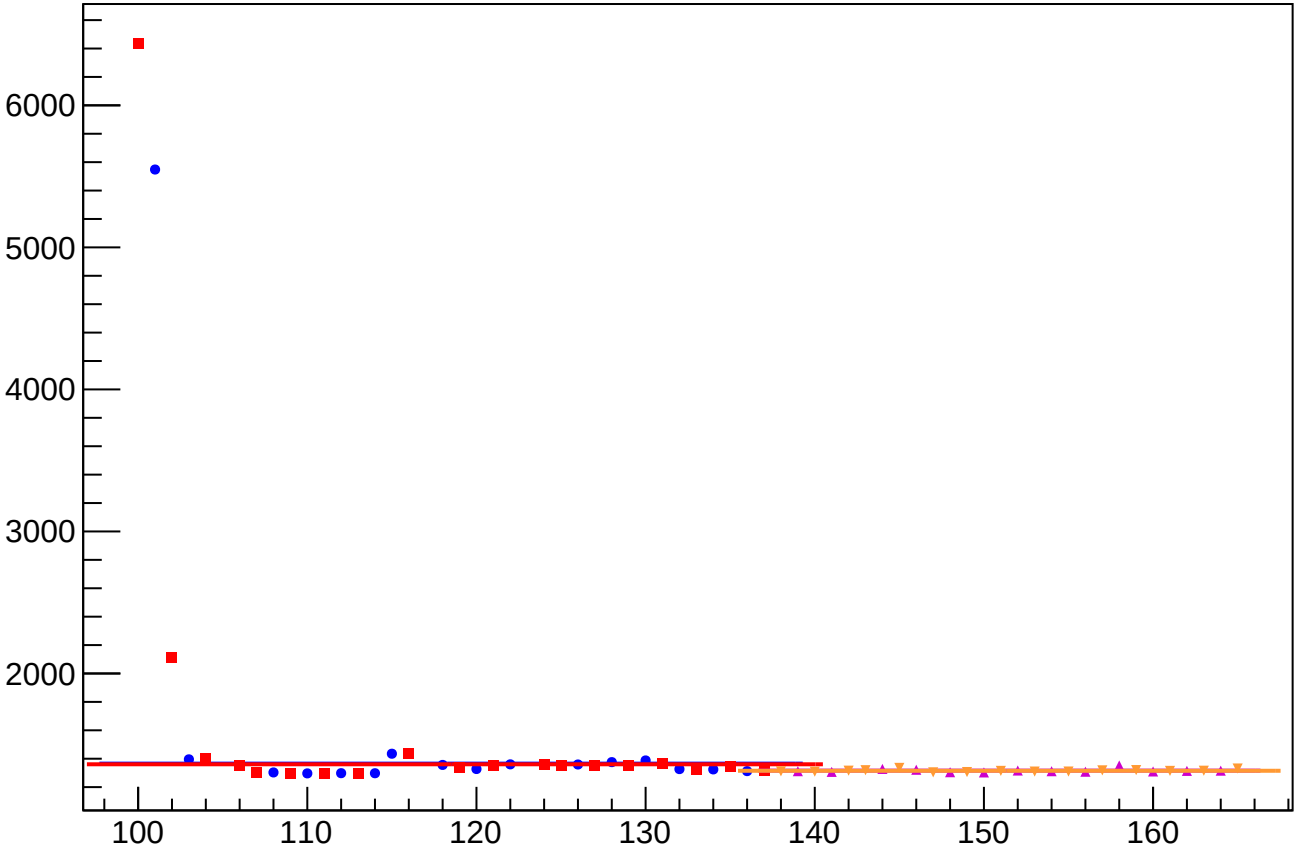
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 82.830+/-315.975 χ^2/NDF:38.2/28

Out: -237.521+/-305.485 χ^2/NDF:22.9/33

All: -82.752+/-219.625 χ^2/NDF: 61.6/62

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.103+/-0.270 χ^2/NDF:903.8/14

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

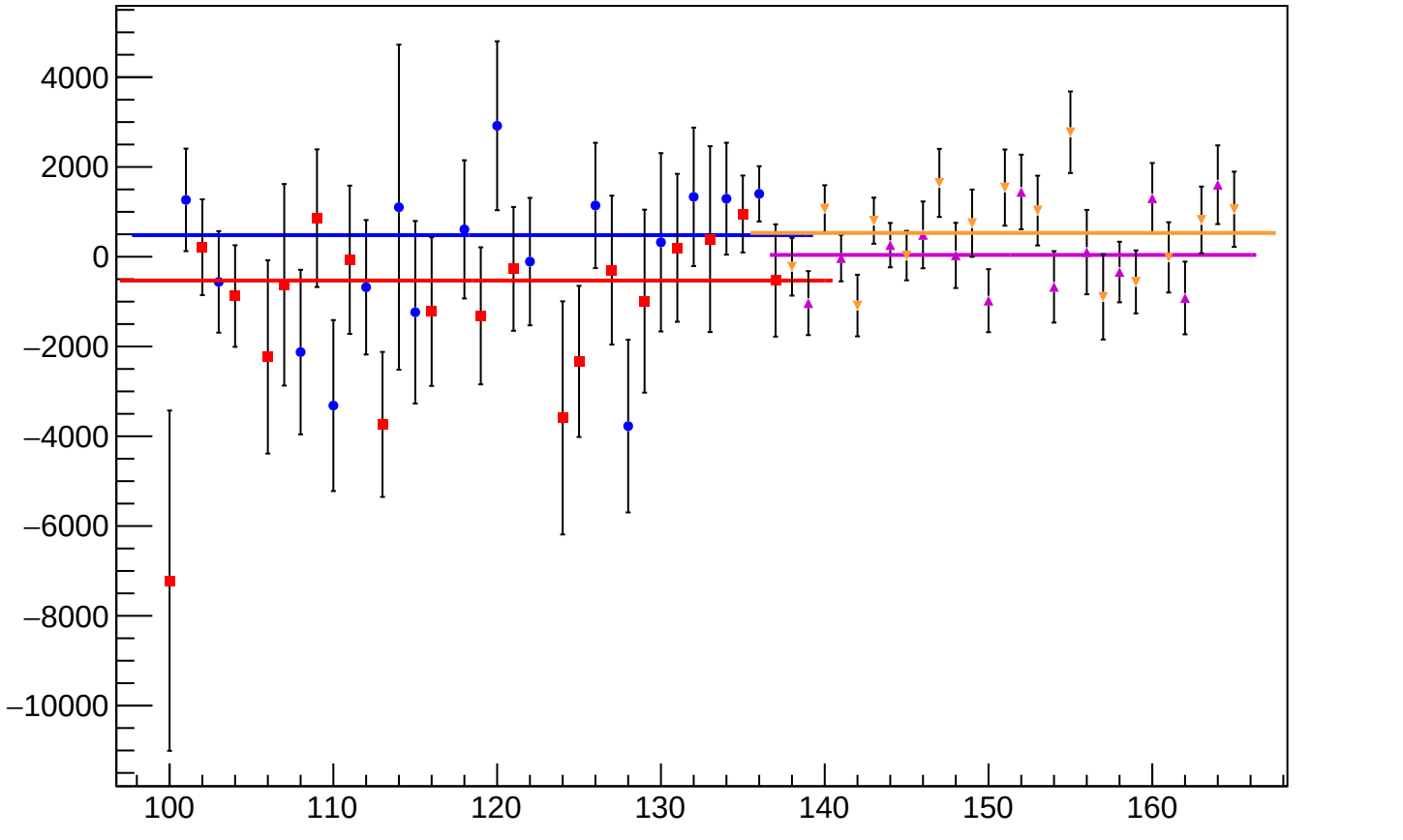
Left: 1315.551+/-0.195 χ^2/NDF: 2859.0/27

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.144+/-0.223 χ^2/NDF:772197.9/28

Out: 1331.622+/-0.216 χ^2/NDF:216538.2/33

All: 1332.841+/-0.155 χ^2/NDF: 988802.0/62



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 529.112+/-179.343 χ^2/NDF:25.0/14

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 40.175+/-194.948 χ^2/NDF:16.1/12

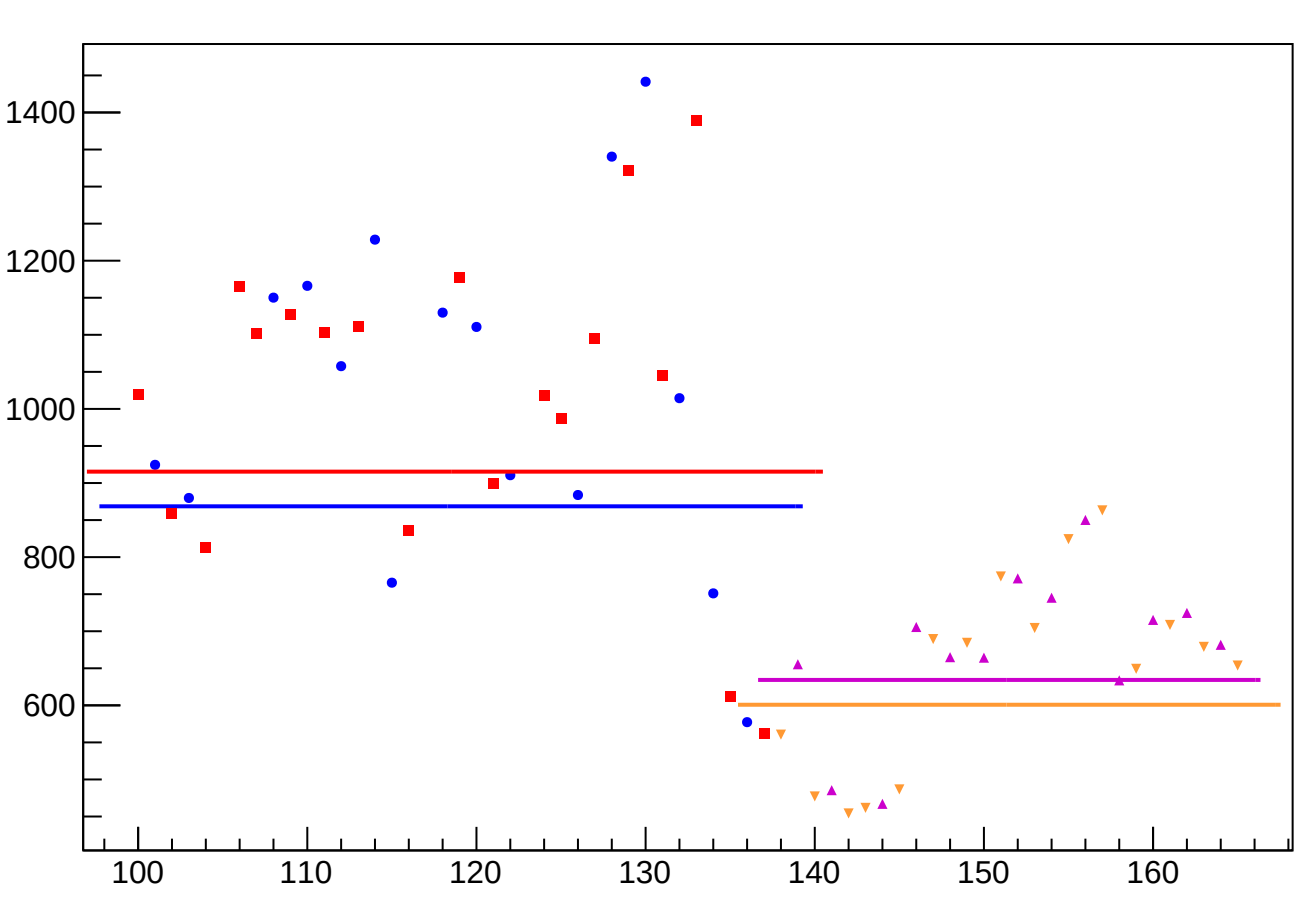
Left: 304.993+/-131.987 χ^2/NDF: 44.5/27

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 150.791+/-168.687 χ^2/NDF:36.0/28

Out: 304.817+/-159.235 χ^2/NDF:48.0/33

All: 232.240+/-115.793 χ^2/NDF: 84.4/62



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 600.819+/-0.127 χ^2/NDF:966607.8/14

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 634.308+/-0.138 χ^2/NDF:671559.6/12

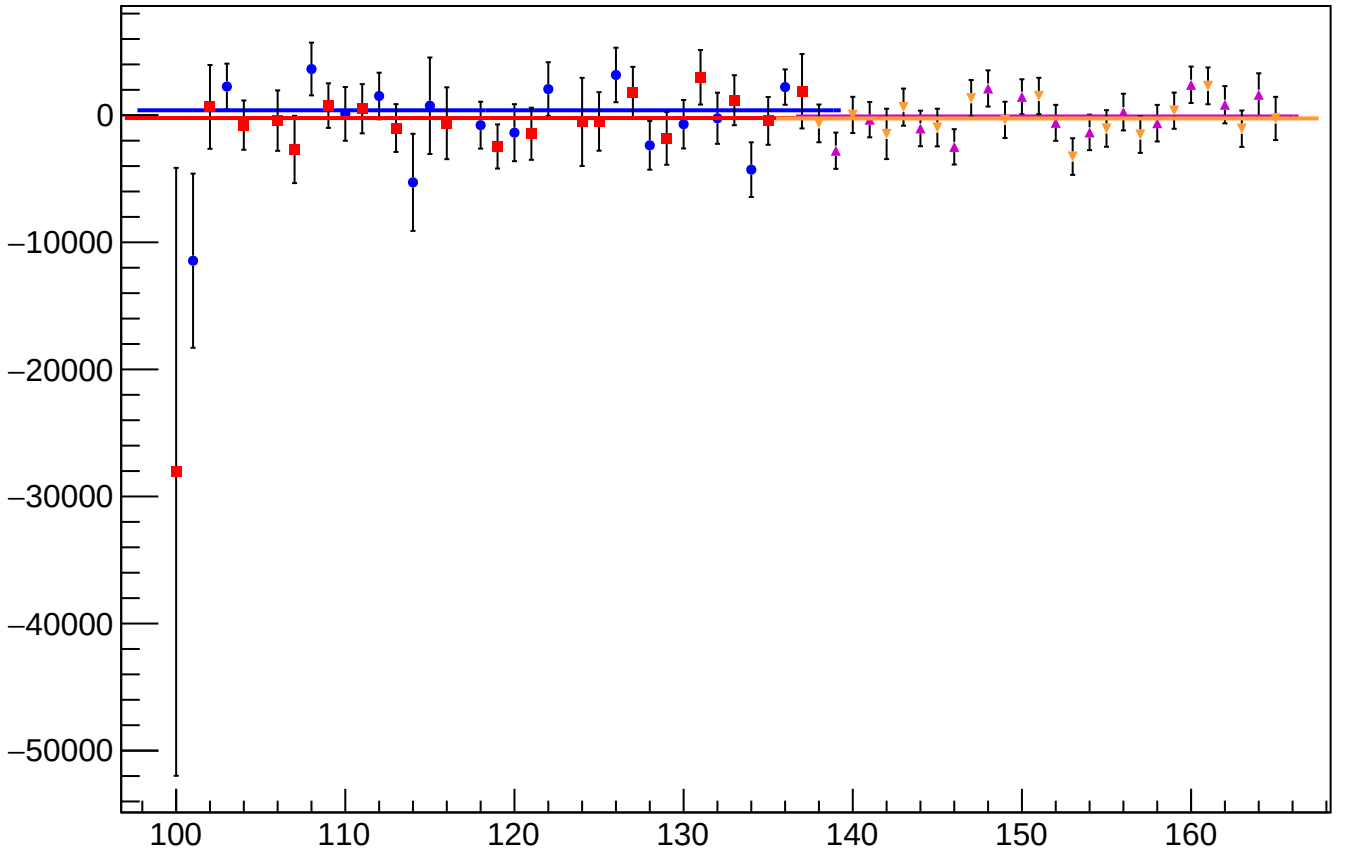
Left: 616.170+/-0.093 χ^2/NDF: 1670134.6/27

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 693.172+/-0.119 χ^2/NDF:2418573.4/28

Out: 667.398+/-0.113 χ^2/NDF:3127714.6/33

All: 679.542+/-0.082 χ^2/NDF: 5570977.9/62



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.482+/-382.371 χ^2/NDF:12.9/14

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -95.684+/-397.332 χ^2/NDF:16.2/12

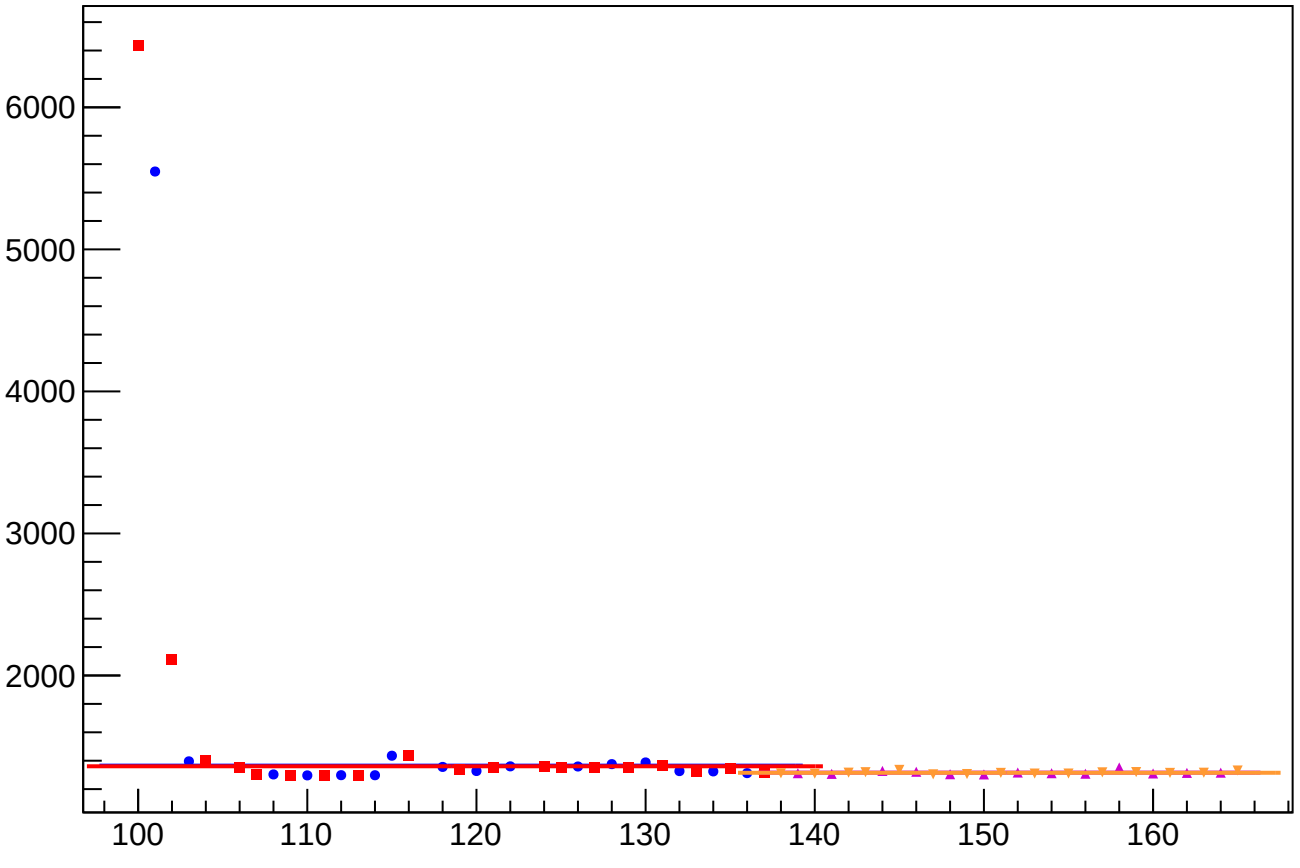
Left: -175.014+/-275.514 χ^2/NDF: 29.2/27

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 82.830+/-315.975 χ^2/NDF:38.2/28

Out: -237.522+/-305.485 χ^2/NDF:22.9/33

All: -82.752+/-219.625 χ^2/NDF: 61.6/62



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.103+/-0.270 χ^2/NDF:903.8/14

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

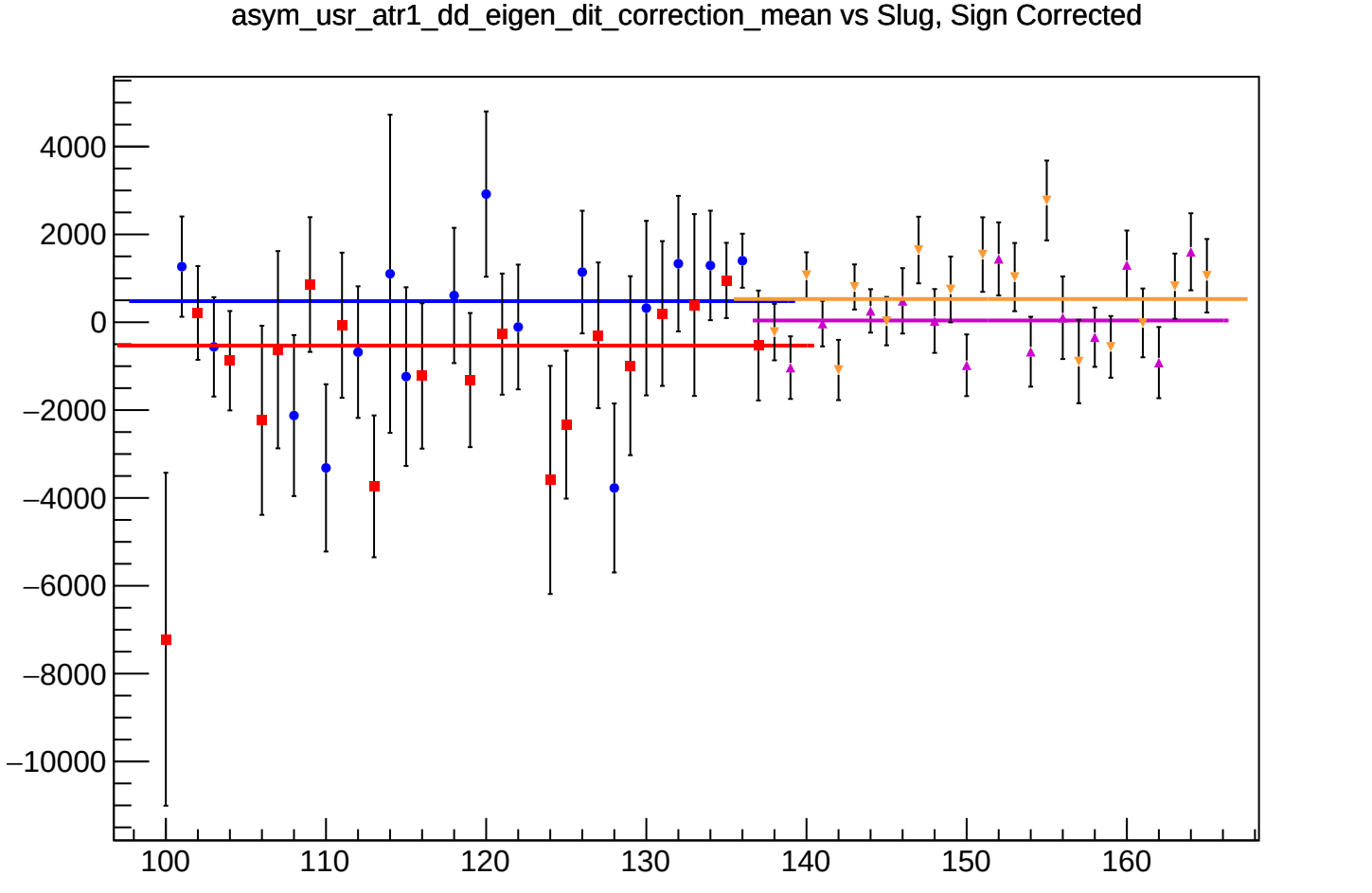
Left: 1315.551+/-0.195 χ^2/NDF: 2859.0/27

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.144+/-0.223 χ^2/NDF:772197.9/28

Out: 1331.622+/-0.216 χ^2/NDF:216538.2/33

All: 1332.841+/-0.155 χ^2/NDF: 988801.9/62


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
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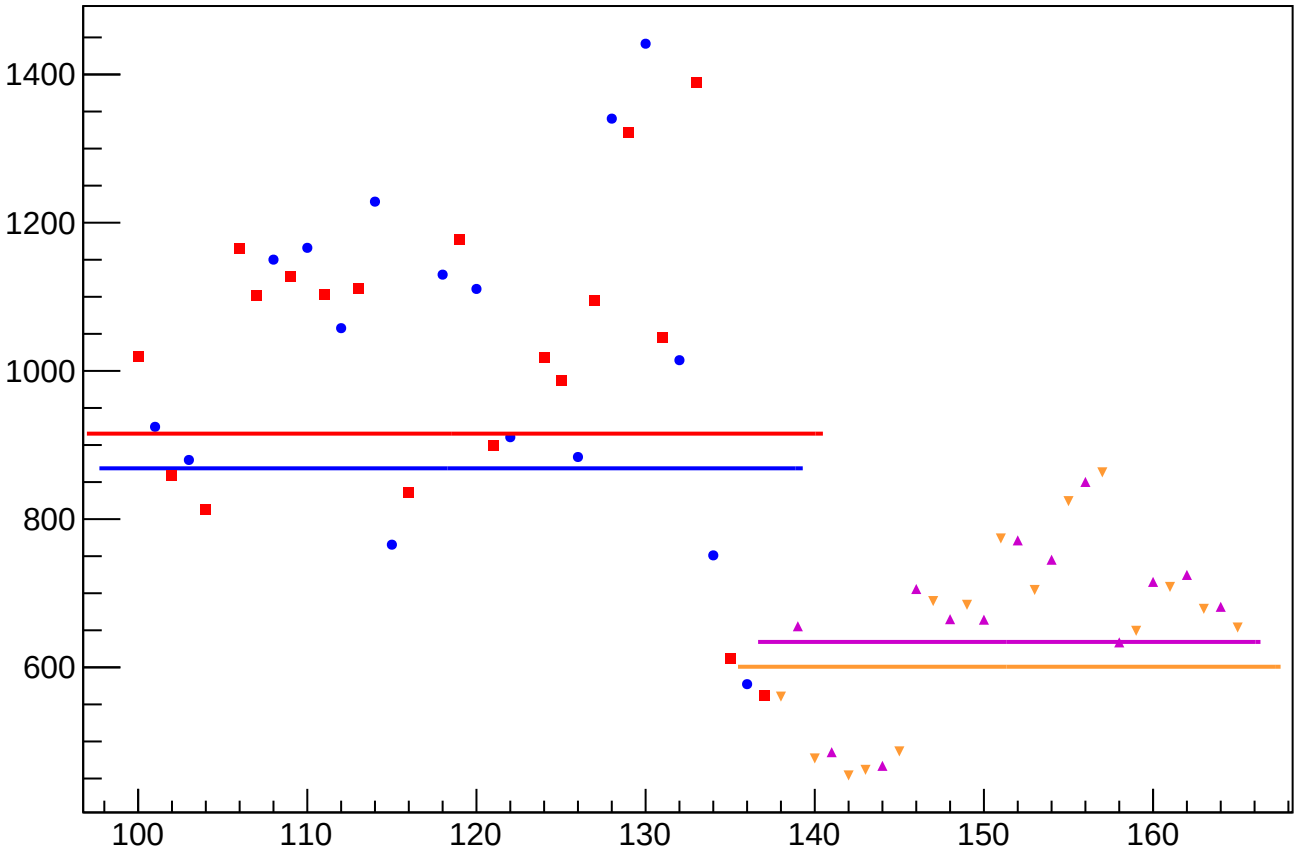
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 529.112+/-179.343 χ²/NDF:25.0/14
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: 40.175+/-194.948 χ²/NDF:16.1/12
Left: 304.994+/-131.987 χ²/NDF: 44.5/27
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 150.791+/-168.687 χ²/NDF:36.0/28
Out: 304.816+/-159.235 χ²/NDF:48.0/33
All: 232.240+/-115.793 χ²/NDF: 84.4/62



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 600.819+/-0.127 χ^2/NDF:966622.3/14

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 634.309+/-0.138 χ^2/NDF:671566.7/12

Left: 616.170+/-0.093 χ^2/NDF: 1670157.9/27

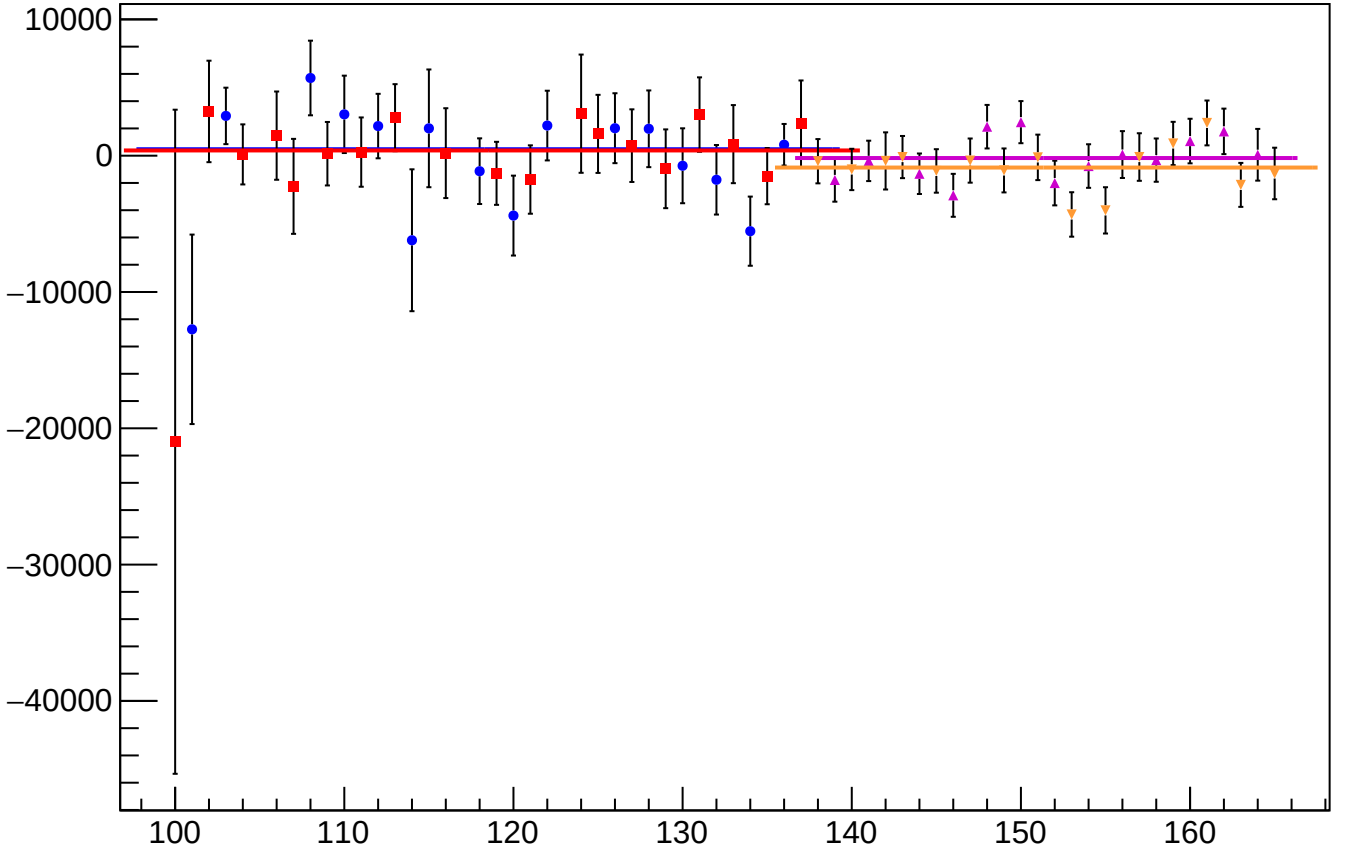
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 693.172+/-0.119 χ^2/NDF:2418560.1/28

Out: 667.398+/-0.113 χ^2/NDF:3127716.5/33

All: 679.543+/-0.082 χ^2/NDF: 5570967.7/62

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -870.021+/-427.975 χ^2/NDF:14.7/14

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -171.915+/-446.087 χ^2/NDF:13.0/12

Left: -535.427+/-308.829 χ^2/NDF: 29.0/27

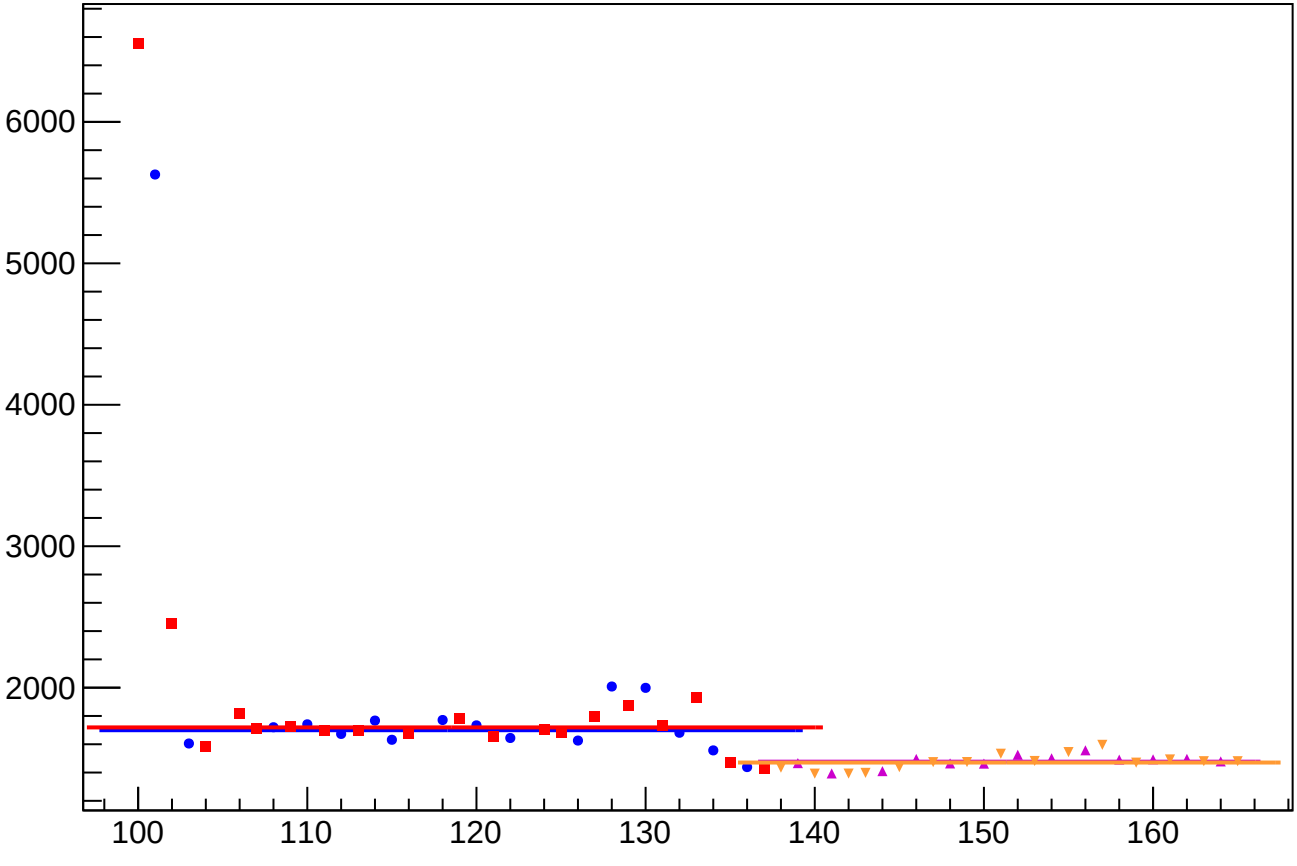
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 35.063+/-367.665 χ^2/NDF:36.4/28

Out: -483.953+/-356.102 χ^2/NDF:24.6/33

All: -232.734+/-255.792 χ^2/NDF: 62.0/62

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1470.771+/-0.303 χ^2/NDF:31869.6/14

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.821+/-0.315 χ^2/NDF:18277.0/12

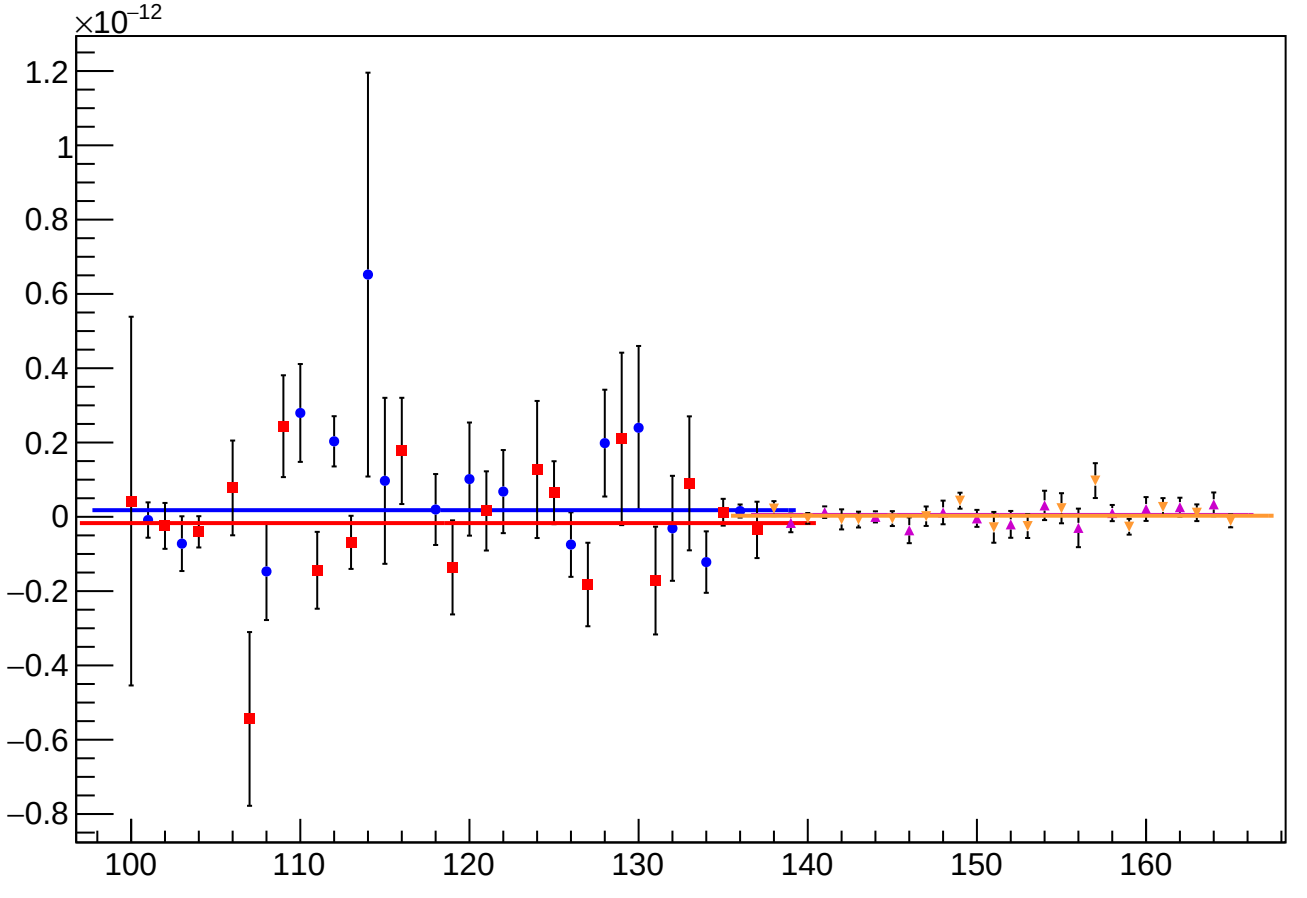
Left: 1473.670+/-0.218 χ^2/NDF: 50338.2/27

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1548.178+/-0.260 χ^2/NDF:939954.3/28

Out: 1547.176+/-0.252 χ^2/NDF:472800.4/33

All: 1547.661+/-0.181 χ^2/NDF: 1412762.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/12

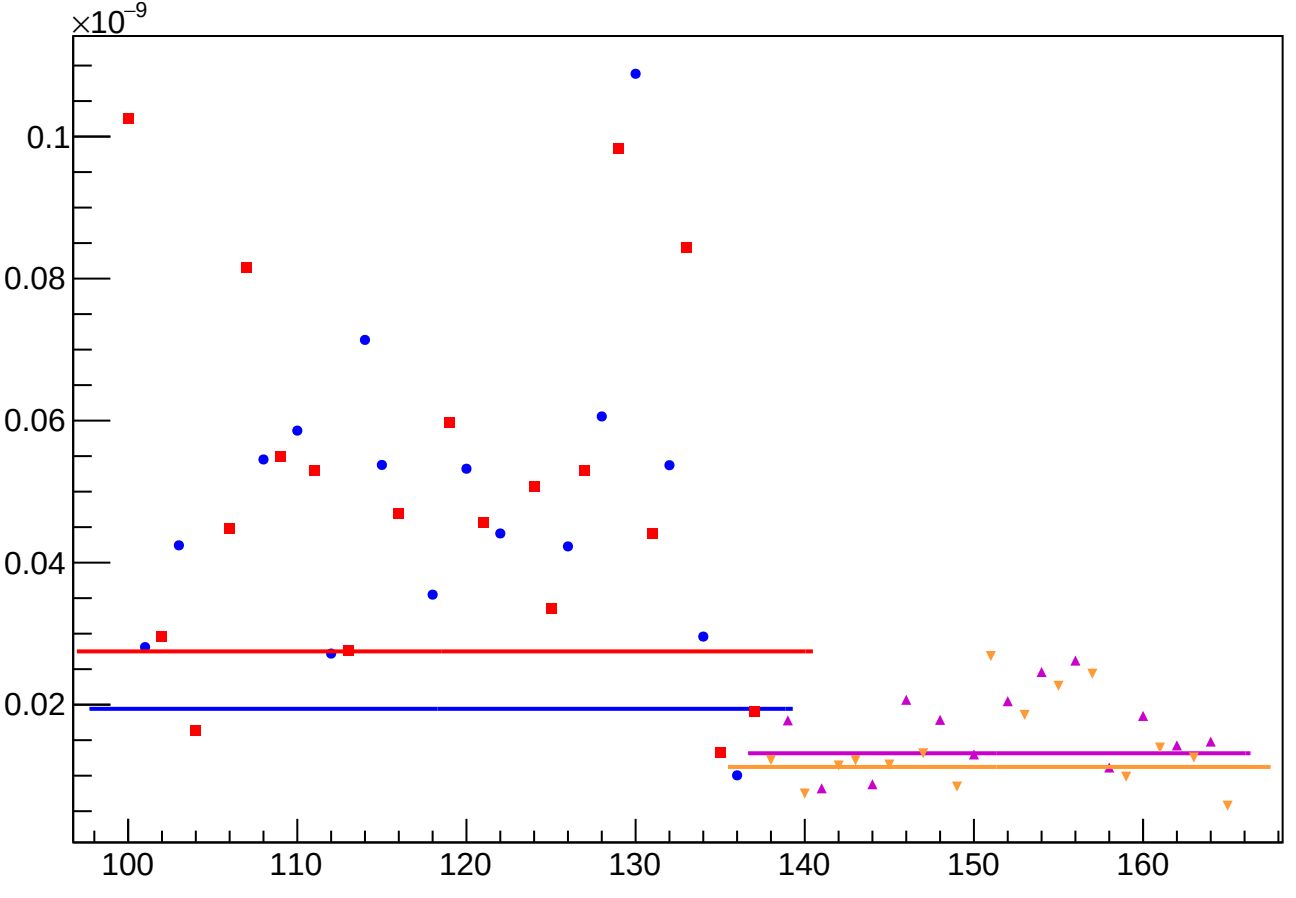
Left: 0.000+/-0.000 χ^2/NDF: 20.4/27

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:30.1/28

Out: 0.000+/-0.000 χ^2/NDF:36.8/33

All: 0.000+/-0.000 χ^2/NDF: 67.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1128804.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1035128.8/12

Left: 0.000+/-0.000 χ^2/NDF: 2255045.1/27

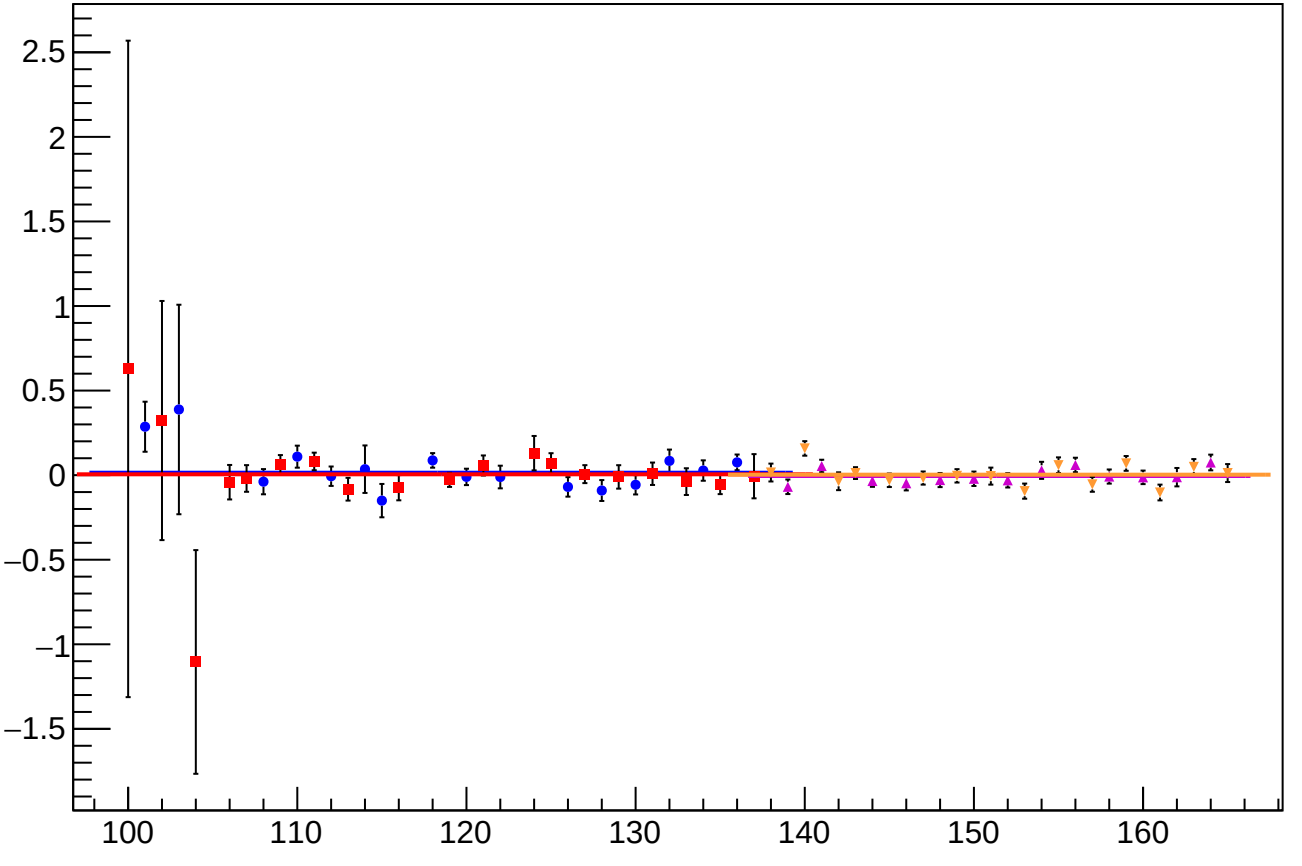
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3618634.3/28

Out: 0.000+/-0.000 χ^2/NDF:4103903.6/33

All: 0.000+/-0.000 χ^2/NDF: 7802645.6/62

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: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/12

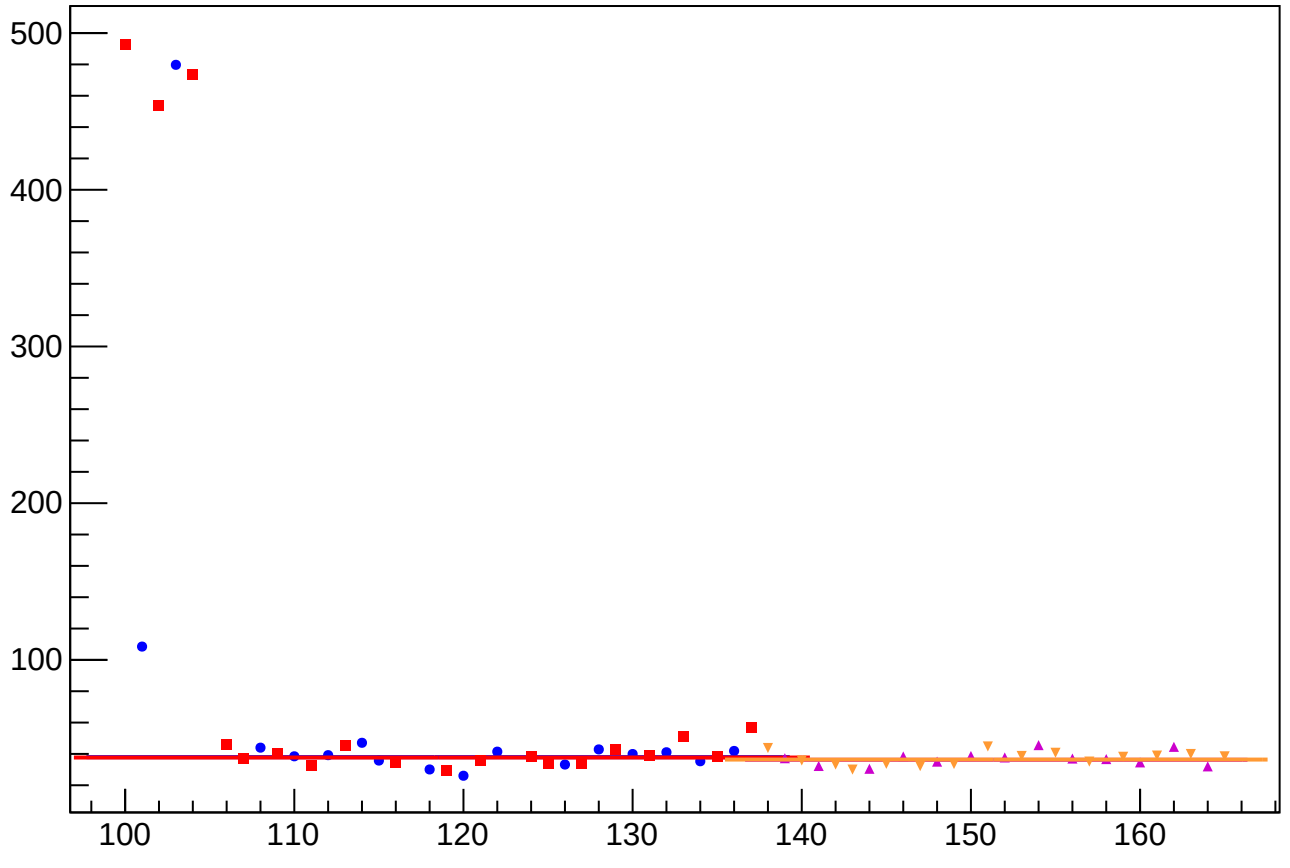
Left: -0.001+/-0.008 χ^2/NDF: 44.5/27

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/28

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/62



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.391+/-0.008 χ^2/NDF:260504.9/14

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

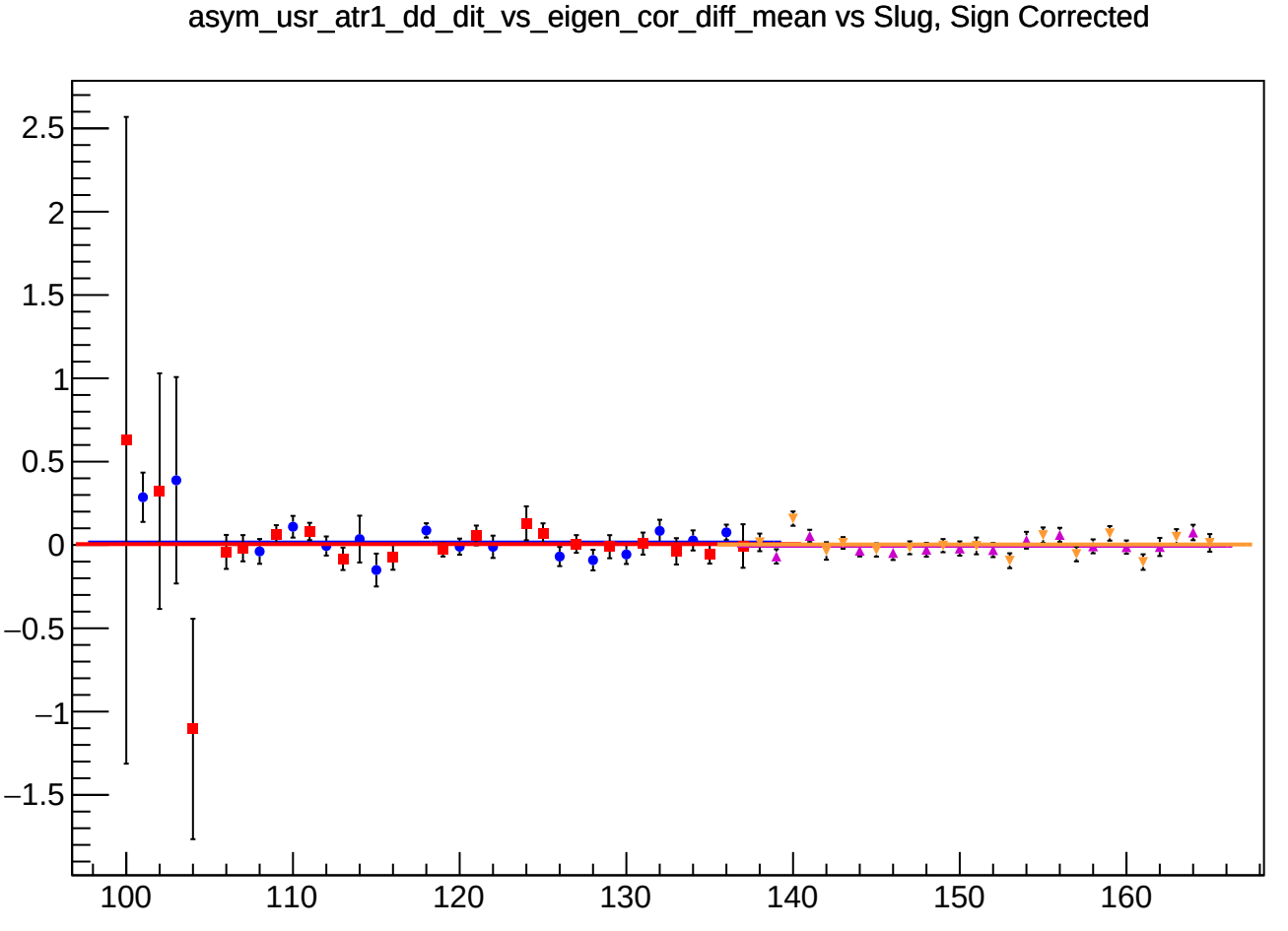
Left: 36.306+/-0.006 χ^2/NDF: 490922.2/27

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.823+/-0.007 χ^2/NDF:1985078.1/28

Out: 36.828+/-0.007 χ^2/NDF:2214175.7/33

All: 36.826+/-0.005 χ^2/NDF: 4199254.1/62



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/12

Left: -0.001+/-0.008 χ^2/NDF: 44.5/27

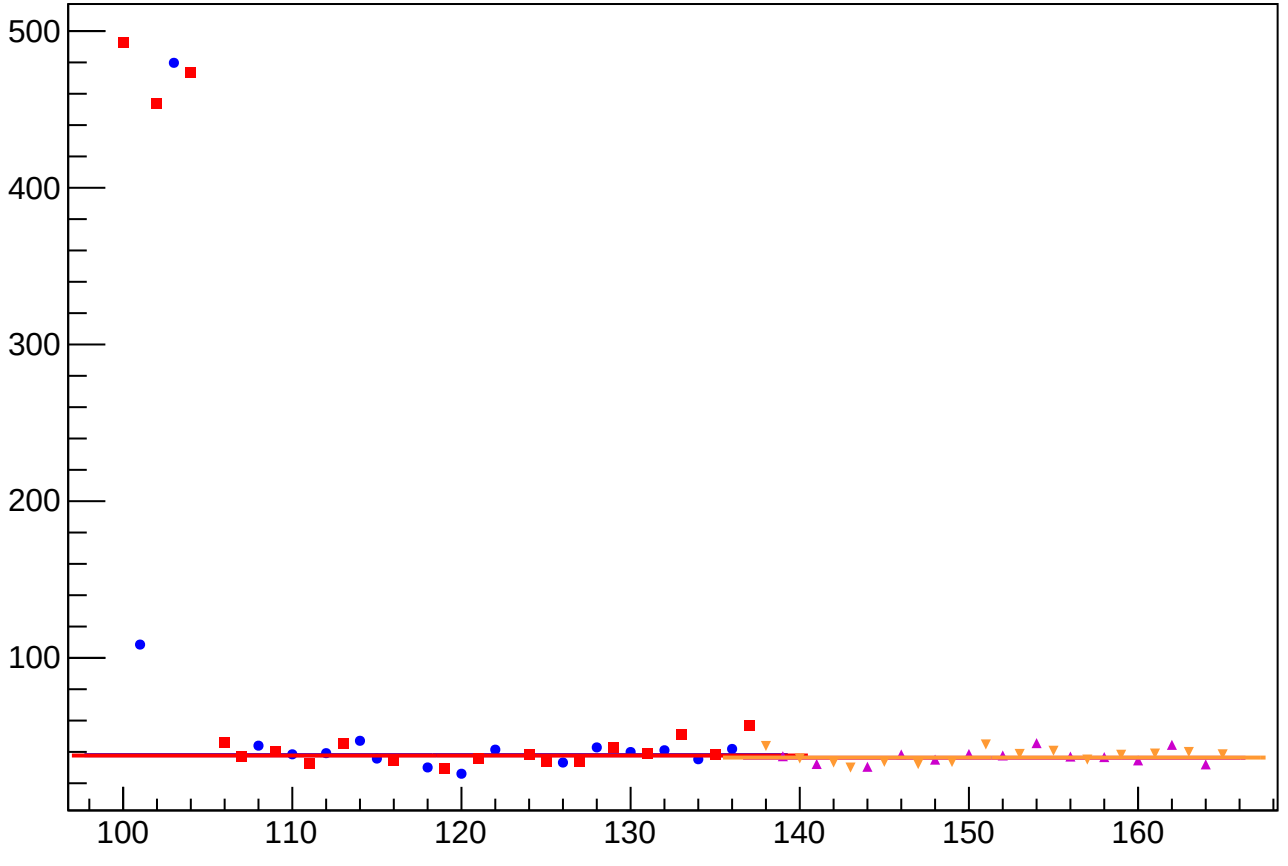
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/28

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/62

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: 36.391+/-0.008 χ^2/NDF:260504.9/14

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

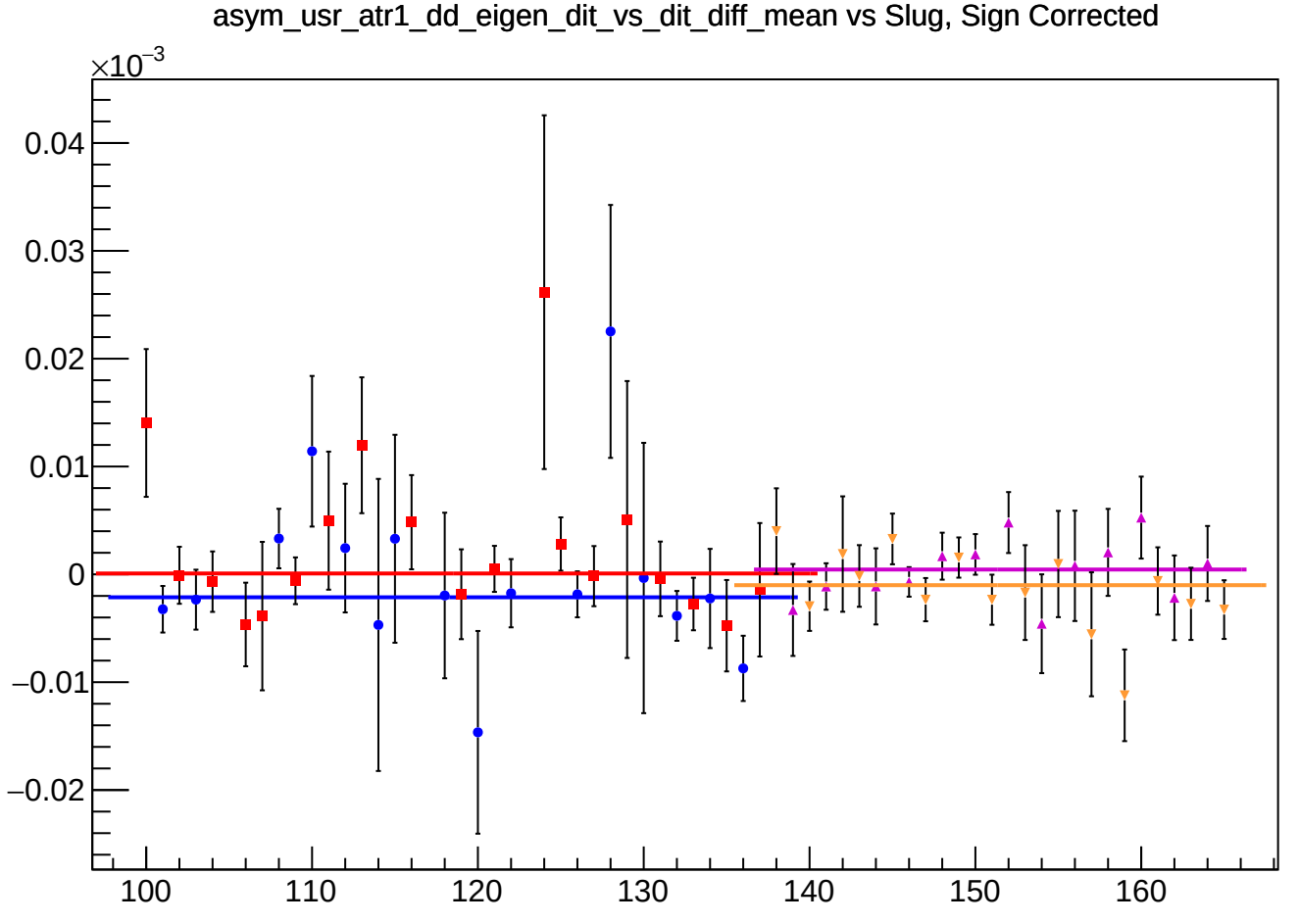
Left: 36.306+/-0.006 χ^2/NDF: 490922.2/27

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.823+/-0.007 χ^2/NDF:1985078.1/28

Out: 36.828+/-0.007 χ^2/NDF:2214175.7/33

All: 36.826+/-0.005 χ^2/NDF: 4199254.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/12

Left: -0.000+/-0.000 χ^2/NDF: 27.1/27

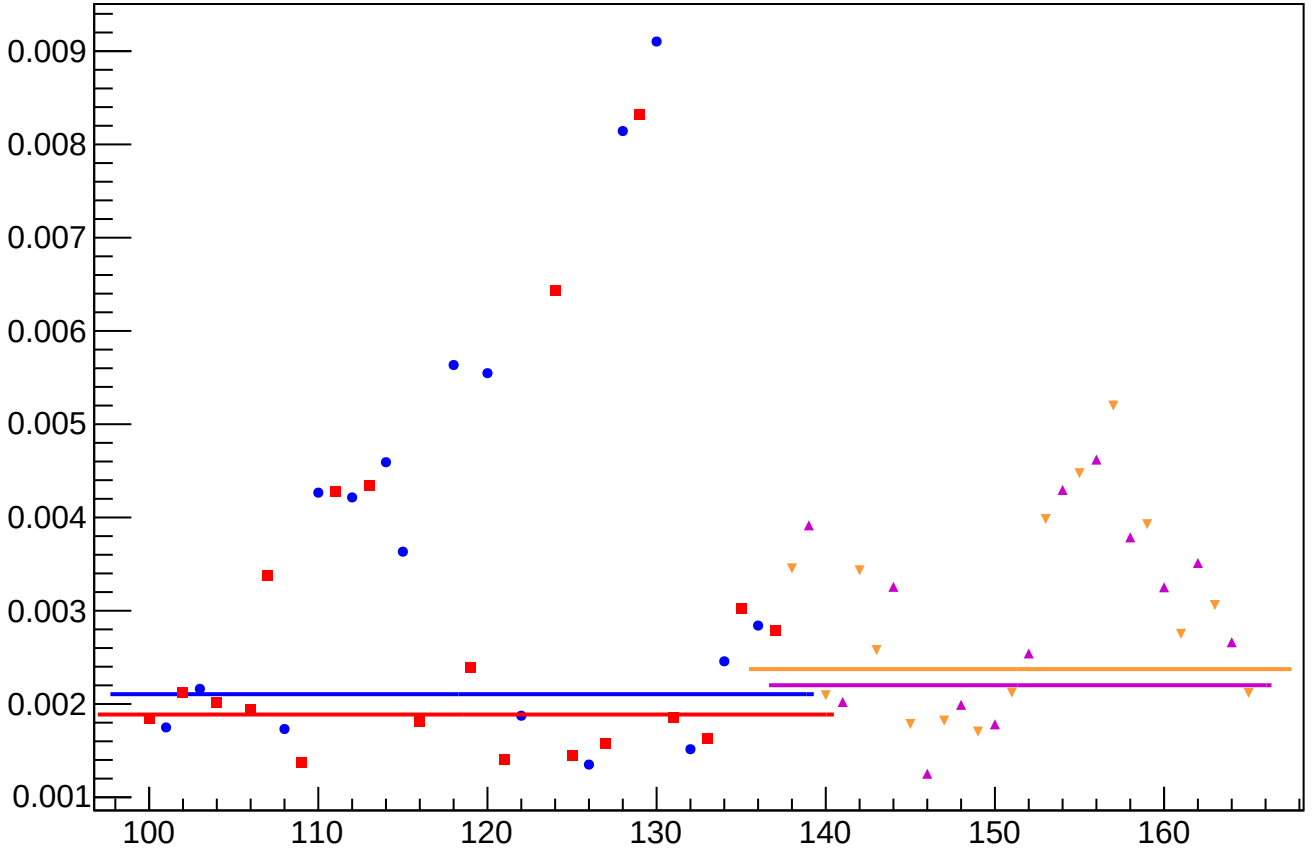
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.3/28

Out: -0.000+/-0.000 χ^2/NDF:35.7/33

All: -0.000+/-0.000 χ^2/NDF: 69.9/62

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2338488.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3209278.3/12

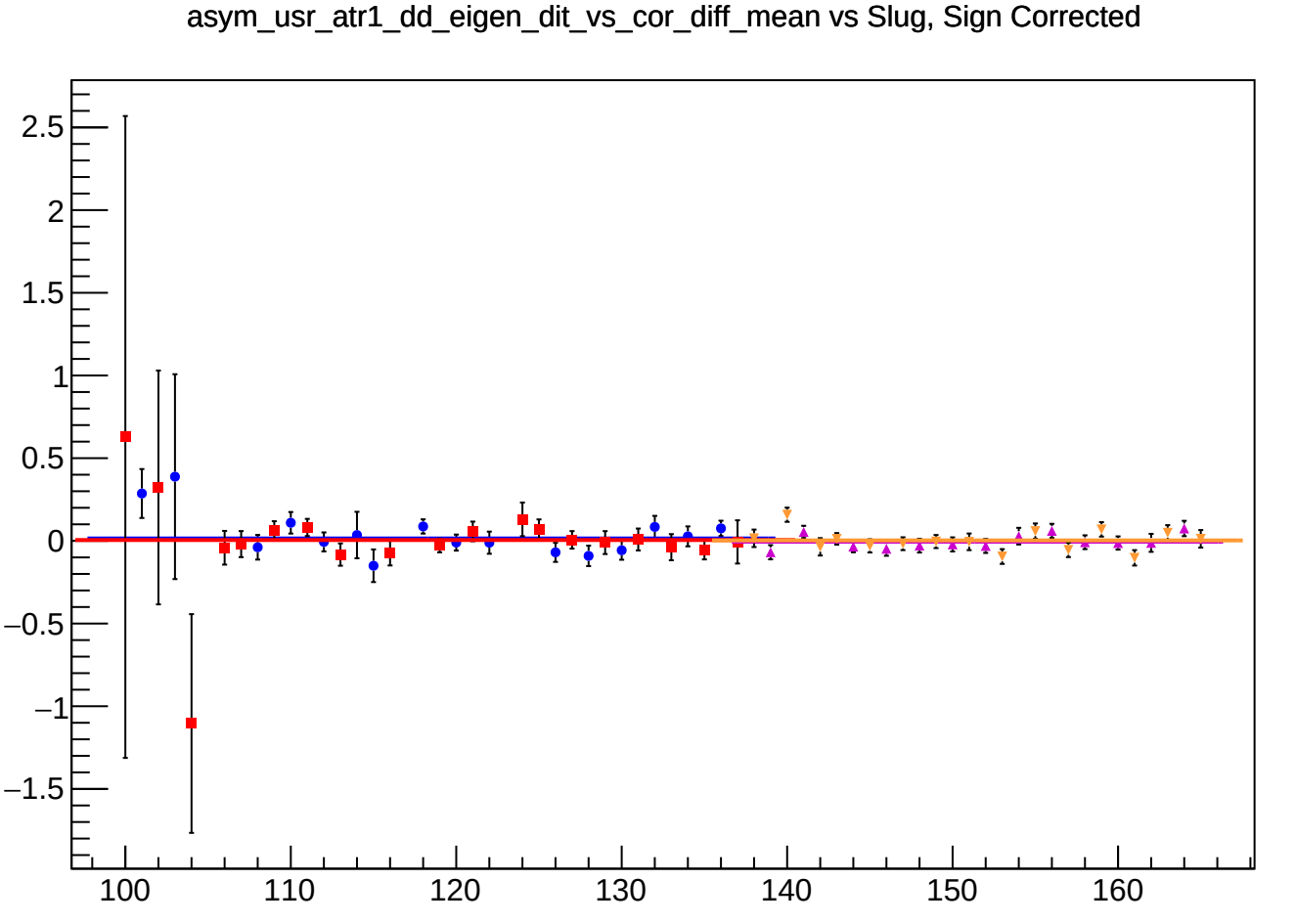
Left: 0.002+/-0.000 χ^2/NDF: 5602891.0/27

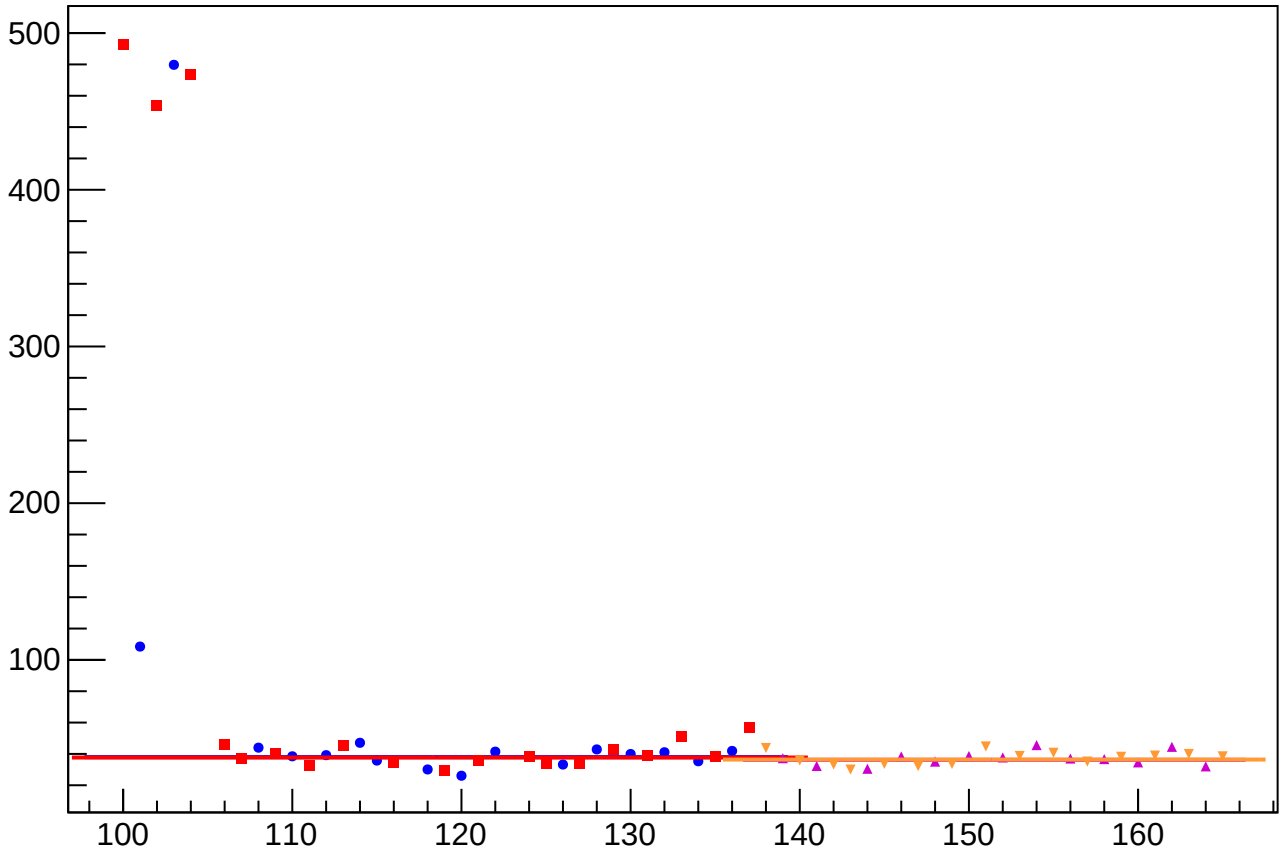
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6240615.7/28

Out: 0.002+/-0.000 χ^2/NDF:4635210.3/33

All: 0.002+/-0.000 χ^2/NDF: 10876763.6/62


asym_usr_atr1_dd_eigen_dit_vs_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
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.003+/-0.011 χ²/NDF:31.1/14
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.005+/-0.012 χ²/NDF:13.1/12
Left: -0.001+/-0.008 χ²/NDF: 44.5/27
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.002+/-0.009 χ²/NDF:36.1/28
Out: 0.004+/-0.009 χ²/NDF:46.0/33
All: 0.003+/-0.007 χ²/NDF: 82.2/62



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.391+/-0.008 χ^2/NDF:260557.8/14

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

Left: 36.306+/-0.006 χ^2/NDF: 491007.7/27

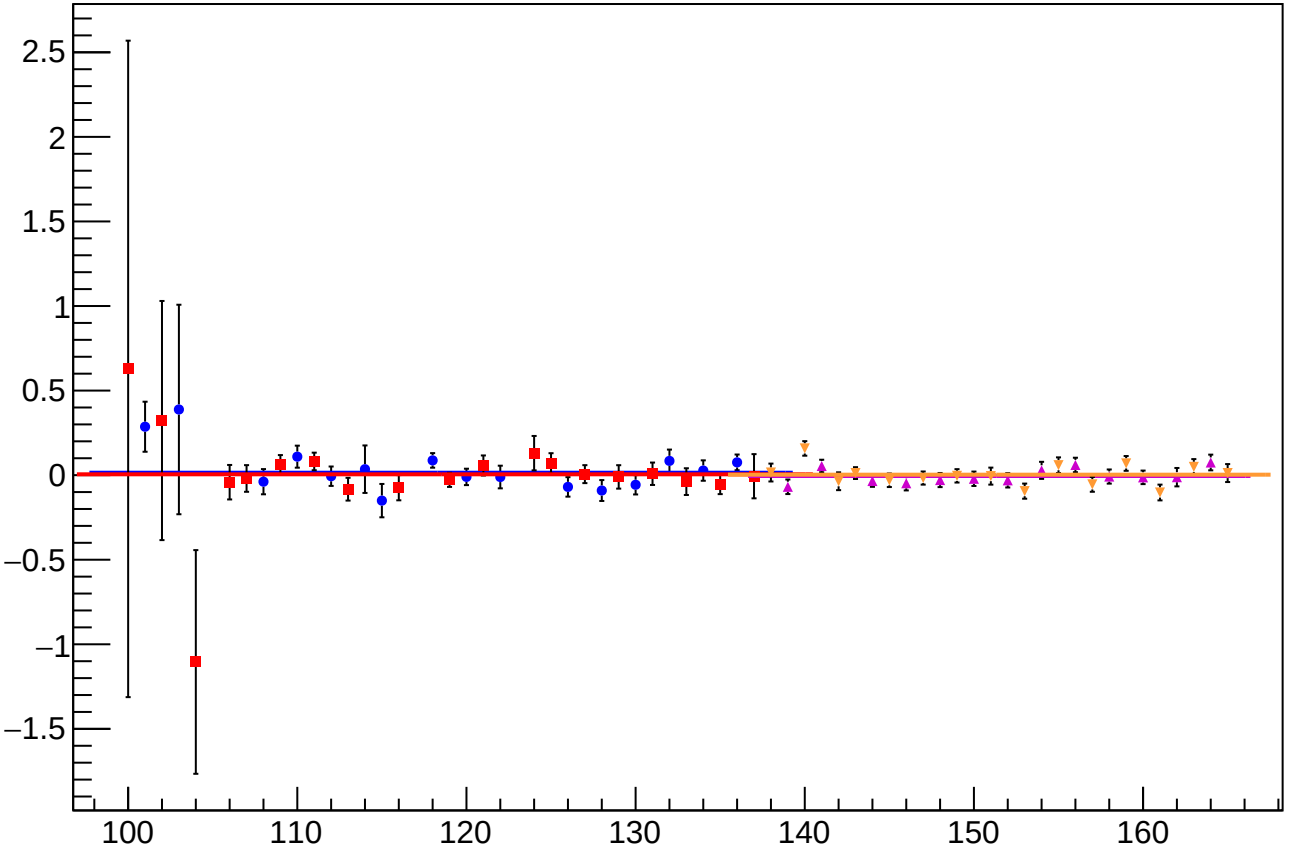
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.822+/-0.007 χ^2/NDF:1985119.2/28

Out: 36.828+/-0.007 χ^2/NDF:2214290.9/33

All: 36.825+/-0.005 χ^2/NDF: 4199410.5/62

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/12

Left: -0.001+/-0.008 χ^2/NDF: 44.5/27

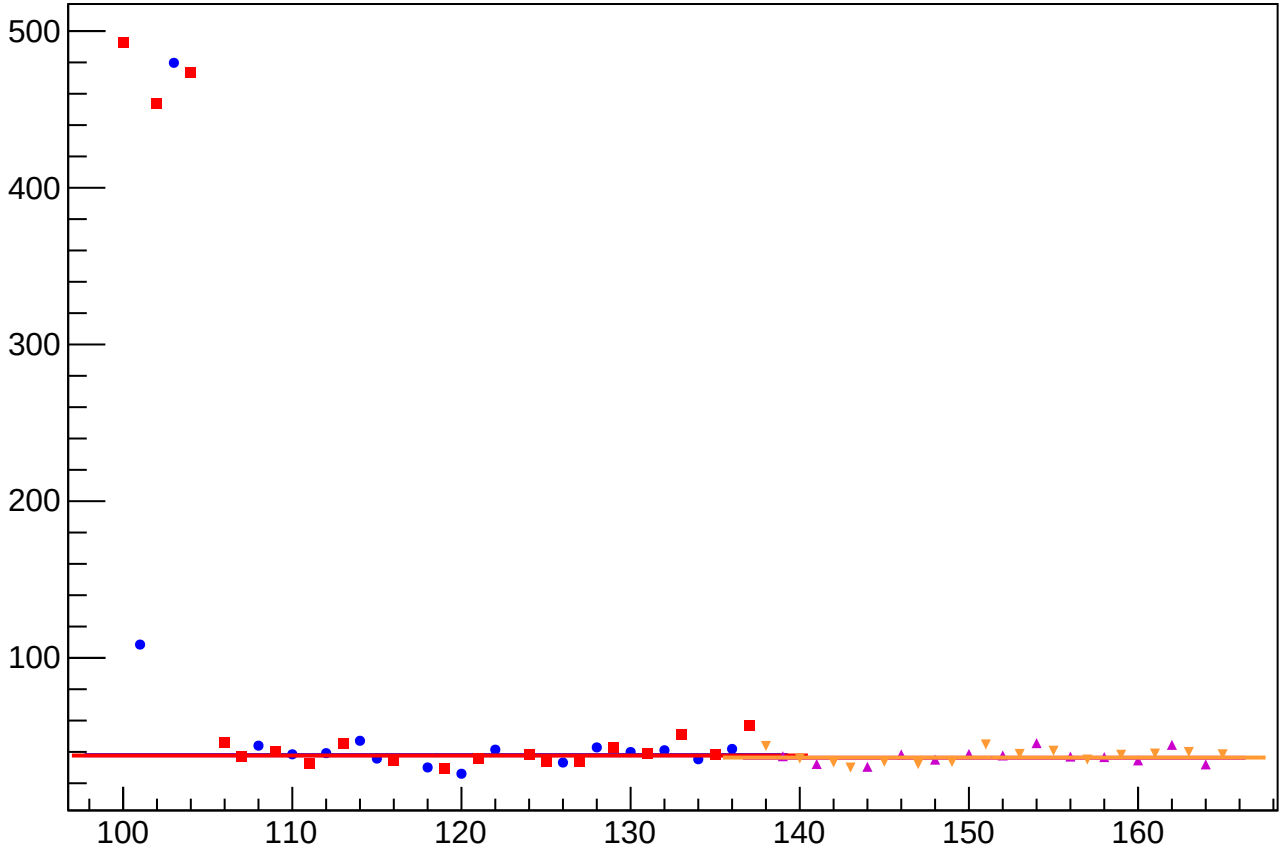
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/28

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/62

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: 36.391+/-0.008 χ^2/NDF:260557.8/14

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

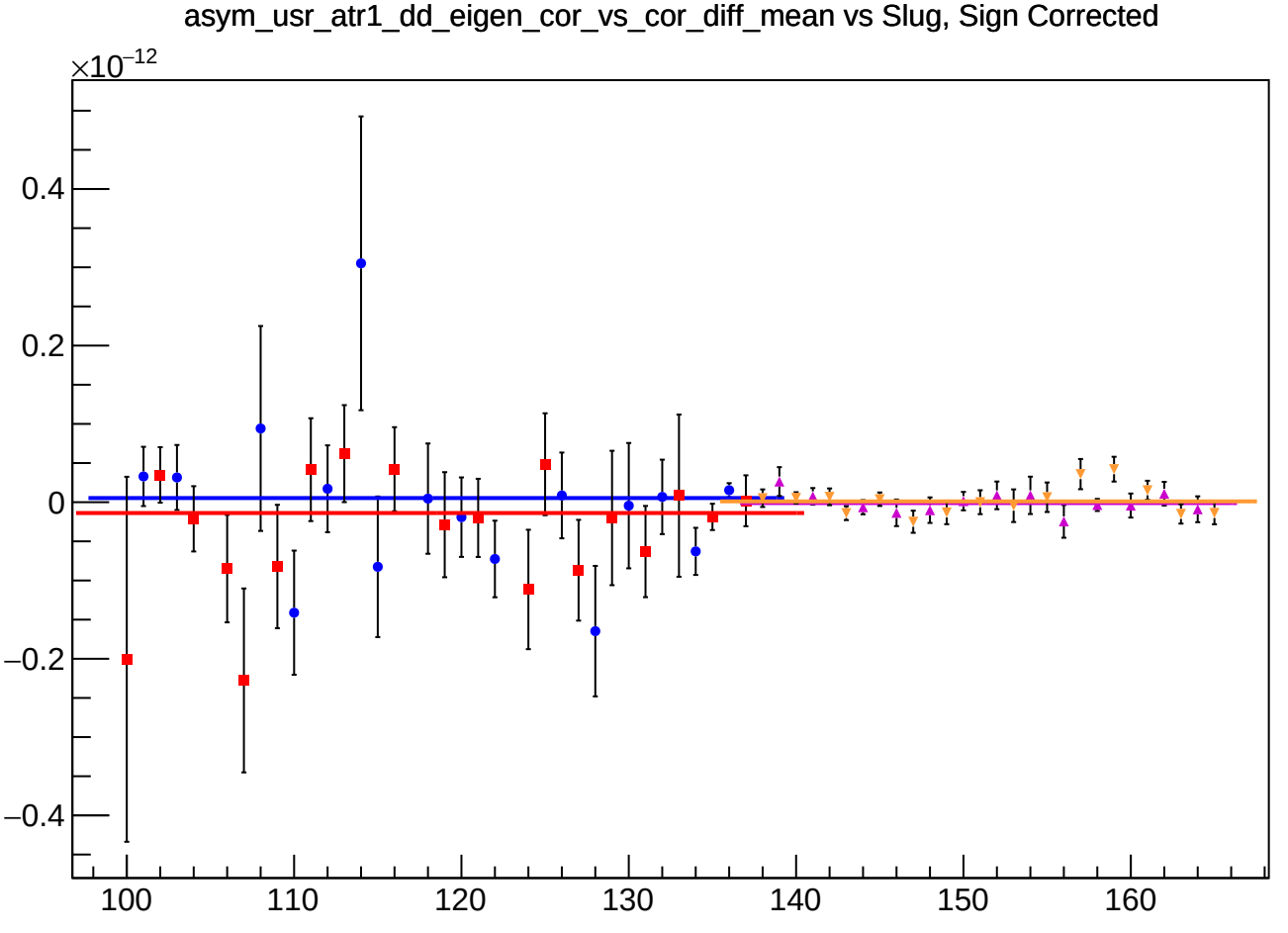
Left: 36.306+/-0.006 χ^2/NDF: 491007.7/27

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.822+/-0.007 χ^2/NDF:1985119.2/28

Out: 36.828+/-0.007 χ^2/NDF:2214290.9/33

All: 36.825+/-0.005 χ^2/NDF: 4199410.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/12

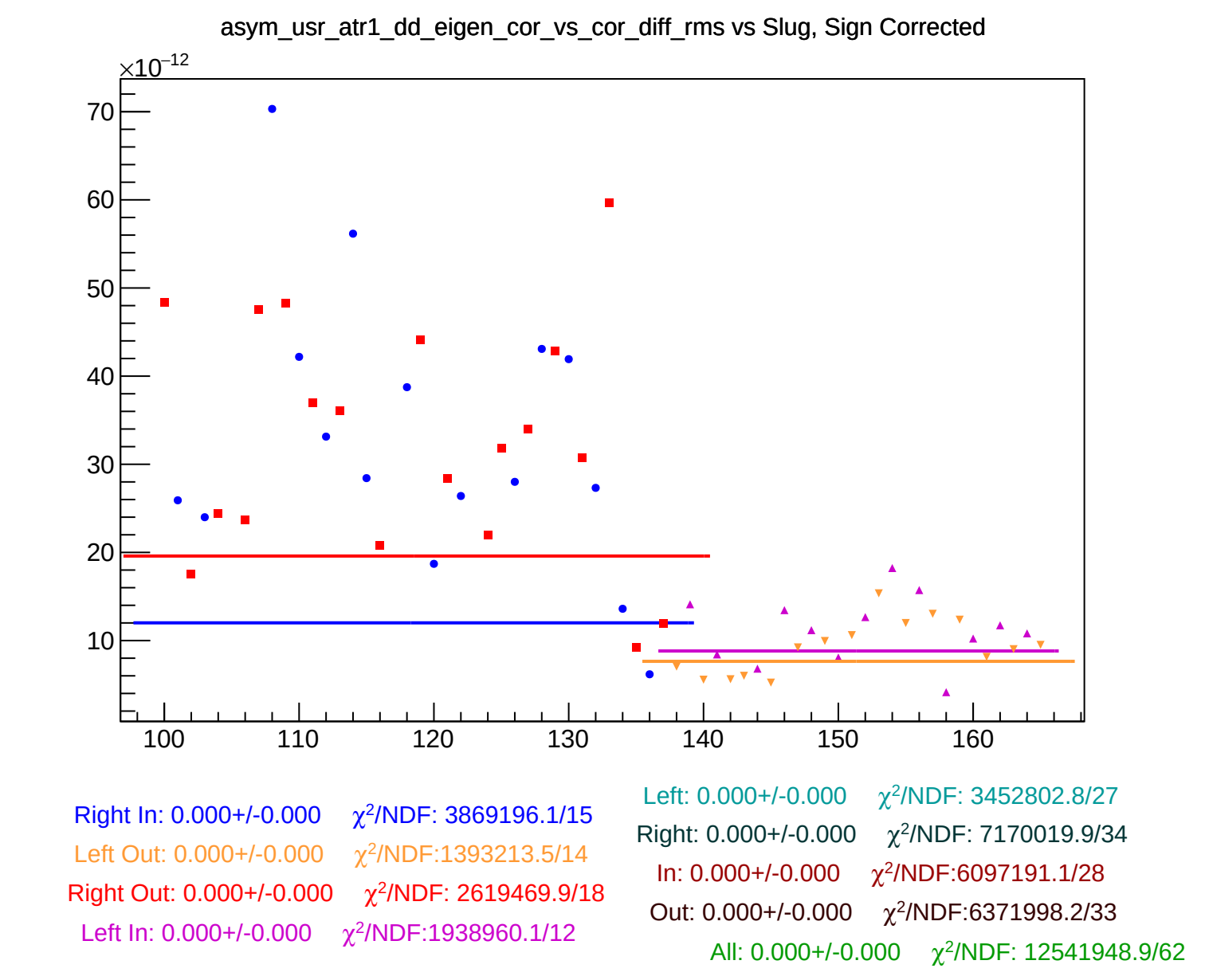
Left: 0.000+/-0.000 χ^2/NDF: 29.3/27

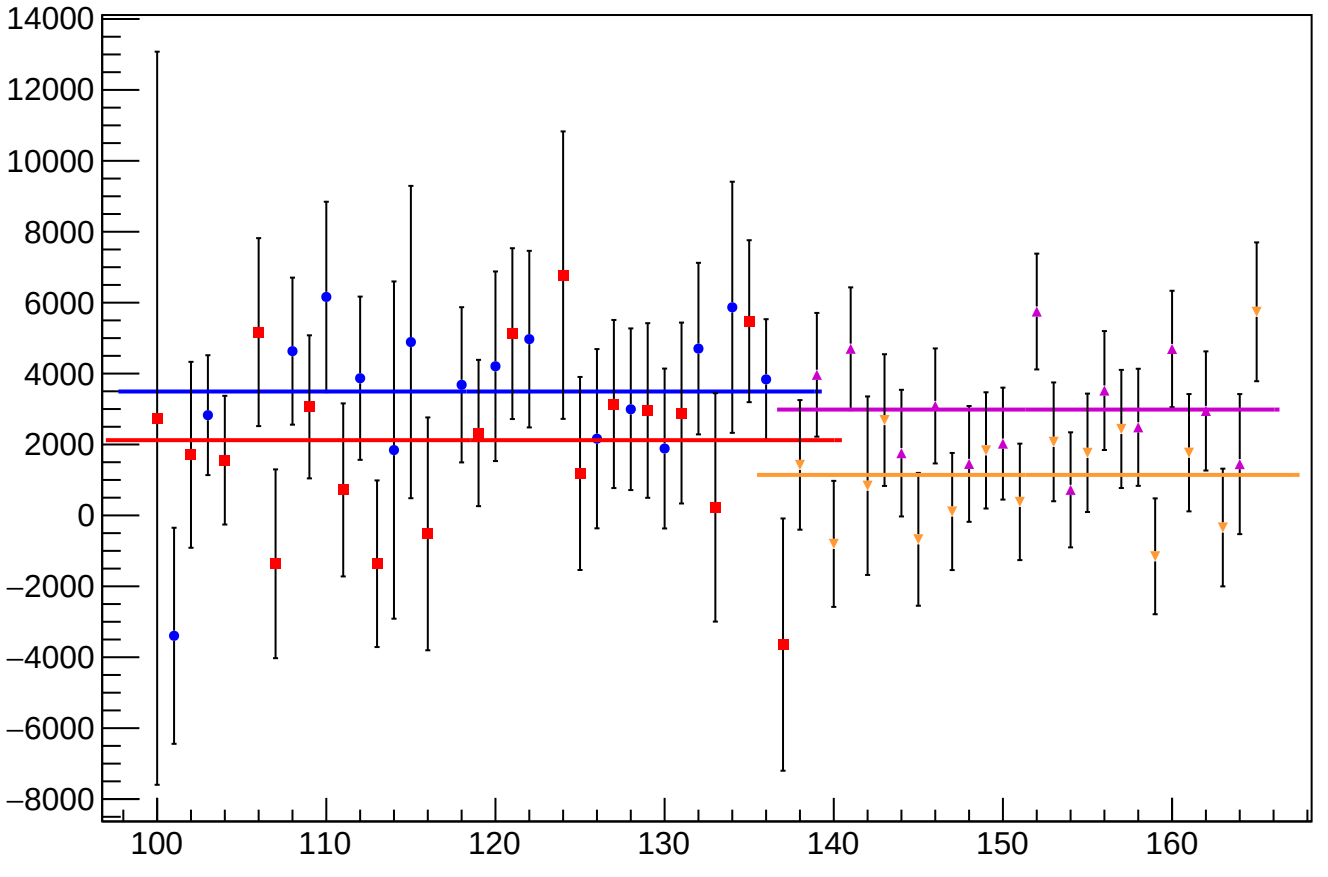
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:29.1/28

Out: -0.000+/-0.000 χ^2/NDF:40.0/33

All: -0.000+/-0.000 χ^2/NDF: 69.1/62


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1393213.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:1938960.1/12
Left: 0.000+/-0.000 χ²/NDF: 3452802.8/27
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:6097191.1/28
Out: 0.000+/-0.000 χ²/NDF:6371998.2/33
All: 0.000+/-0.000 χ²/NDF: 12541948.9/62



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.490+/-451.871 χ^2/NDF:13.1/14

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2984.783+/-466.697 χ^2/NDF:9.7/12

Left: 2033.908+/-324.636 χ^2/NDF: 30.9/27

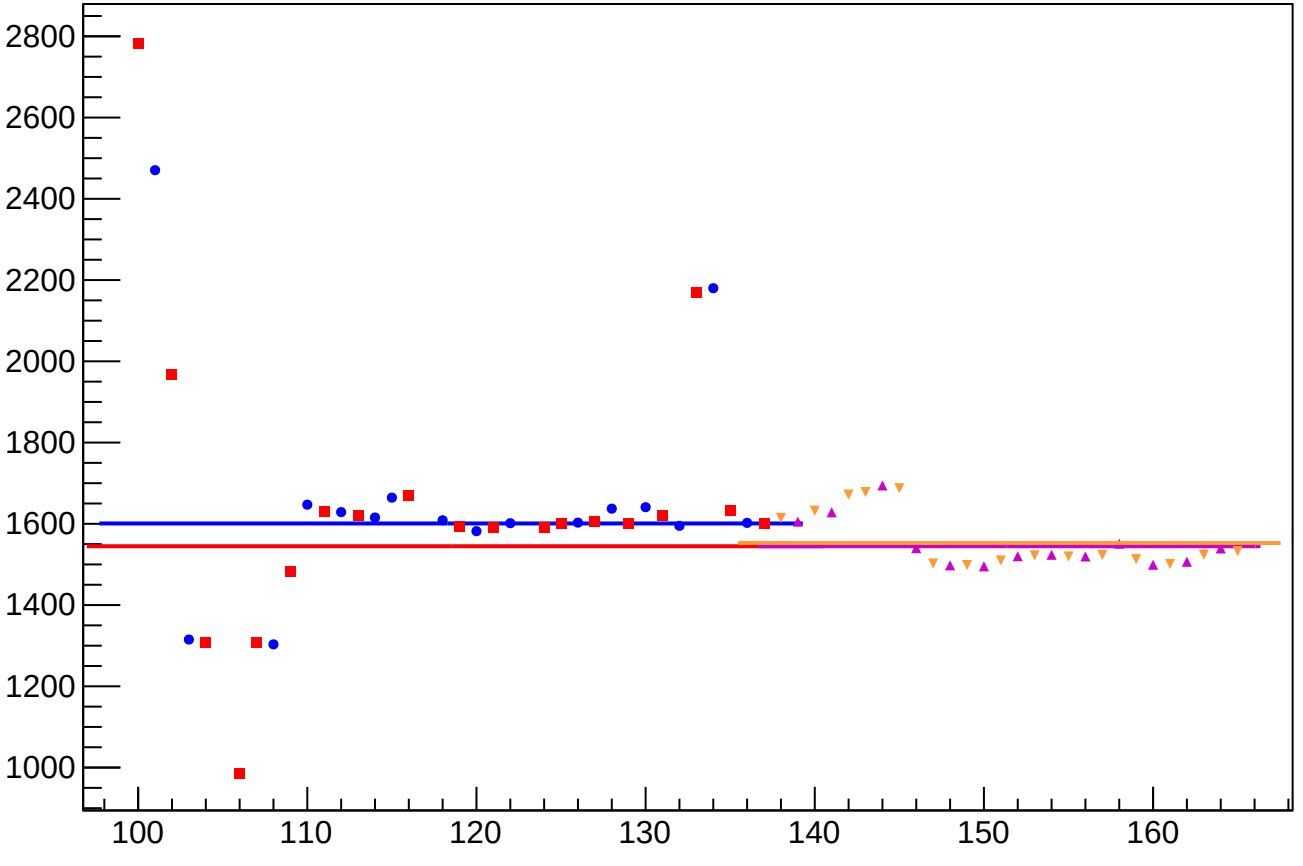
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3176.405+/-368.653 χ^2/NDF:19.0/28

Out: 1506.371+/-358.205 χ^2/NDF:30.0/33

All: 2317.388+/-256.904 χ^2/NDF: 59.5/62

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

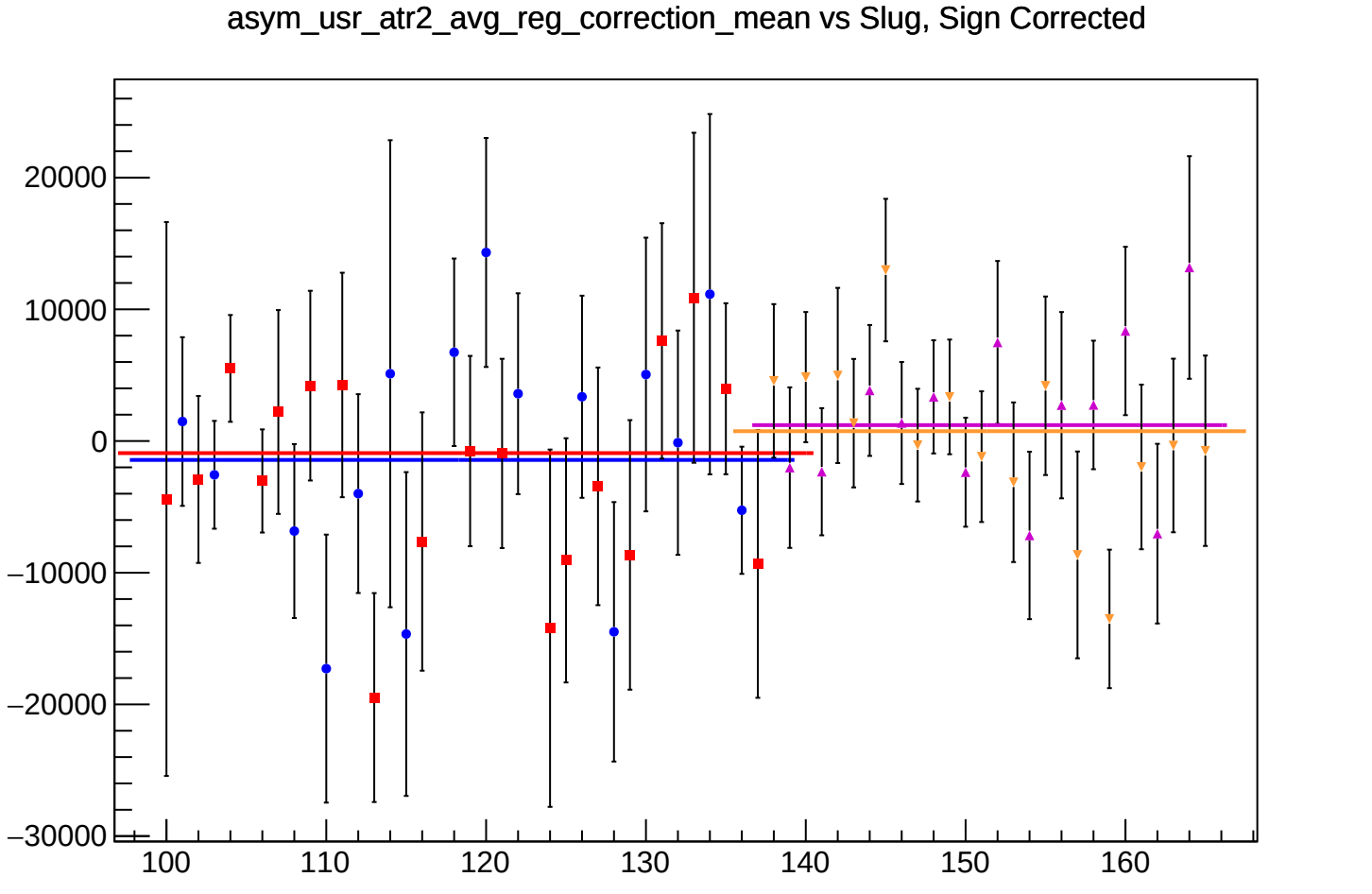
Left: 1548.879+/-0.230 χ^2/NDF: 70586.3/27

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1565.890+/-0.261 χ^2/NDF:356893.1/28

Out: 1549.705+/-0.252 χ^2/NDF:418028.1/33

All: 1557.514+/-0.181 χ^2/NDF: 776916.1/62



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 744.668+/-1433.975 χ^2/NDF:16.9/14

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1206.835+/-1503.745 χ^2/NDF:9.7/12

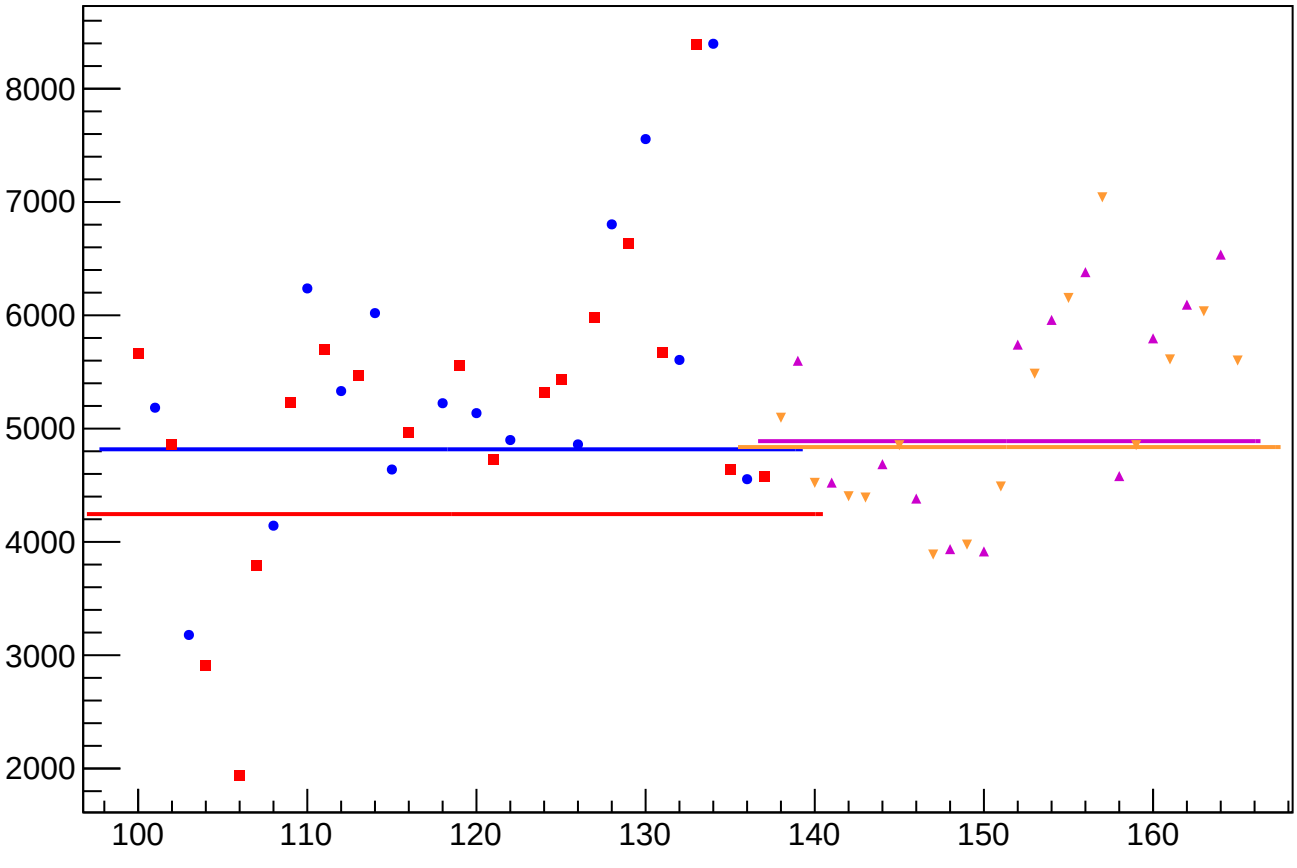
Left: 964.782+/-1037.762 χ^2/NDF: 26.7/27

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 153.779+/-1166.456 χ^2/NDF:24.8/28

Out: 38.478+/-1087.735 χ^2/NDF:32.9/33

All: 92.107+/-795.520 χ^2/NDF: 57.7/62



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4837.051+/-1.014 χ^2/NDF:598565.8/14

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4889.302+/-1.063 χ^2/NDF:644931.3/12

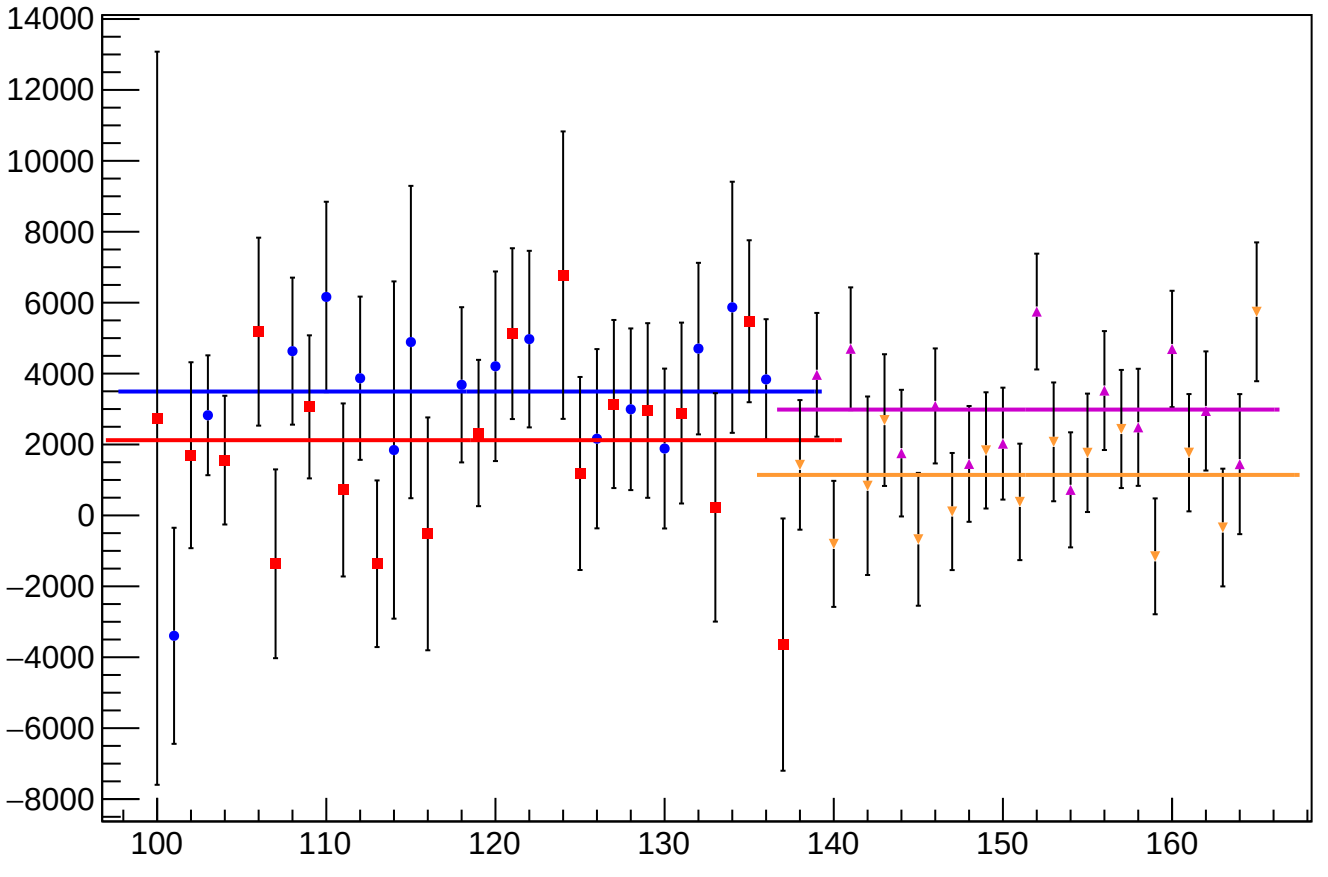
Left: 4861.936+/-0.734 χ^2/NDF: 1244761.8/27

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4860.642+/-0.825 χ^2/NDF:1442186.5/28

Out: 4585.887+/-0.769 χ^2/NDF:2426226.3/33

All: 4713.681+/-0.563 χ^2/NDF: 3927765.2/62



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.328+/-451.871 χ^2/NDF:13.1/14

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2984.790+/-466.697 χ^2/NDF:9.7/12

Left: 2033.827+/-324.636 χ^2/NDF: 30.9/27

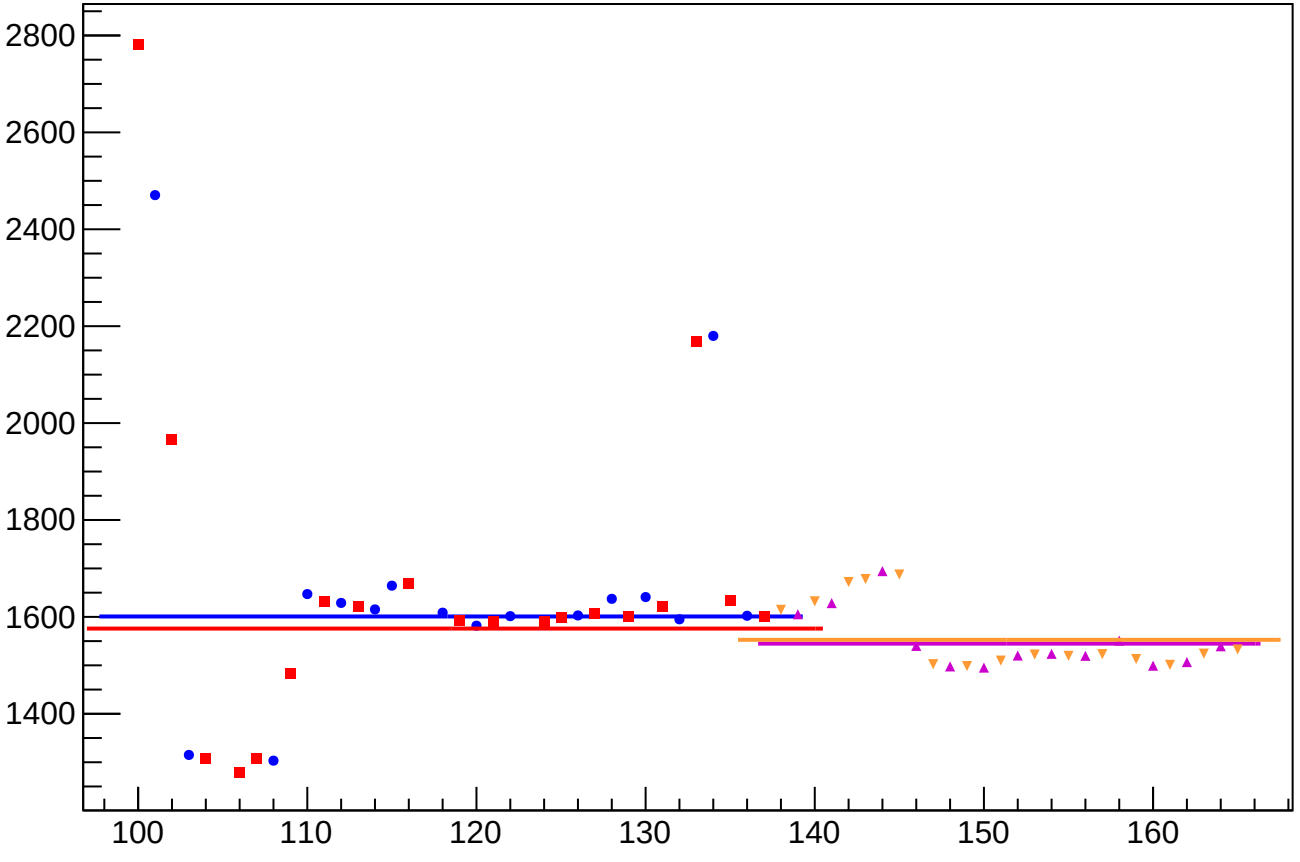
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3176.284+/-368.653 χ^2/NDF:19.0/28

Out: 1506.263+/-358.206 χ^2/NDF:30.0/33

All: 2317.276+/-256.904 χ^2/NDF: 59.5/62

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

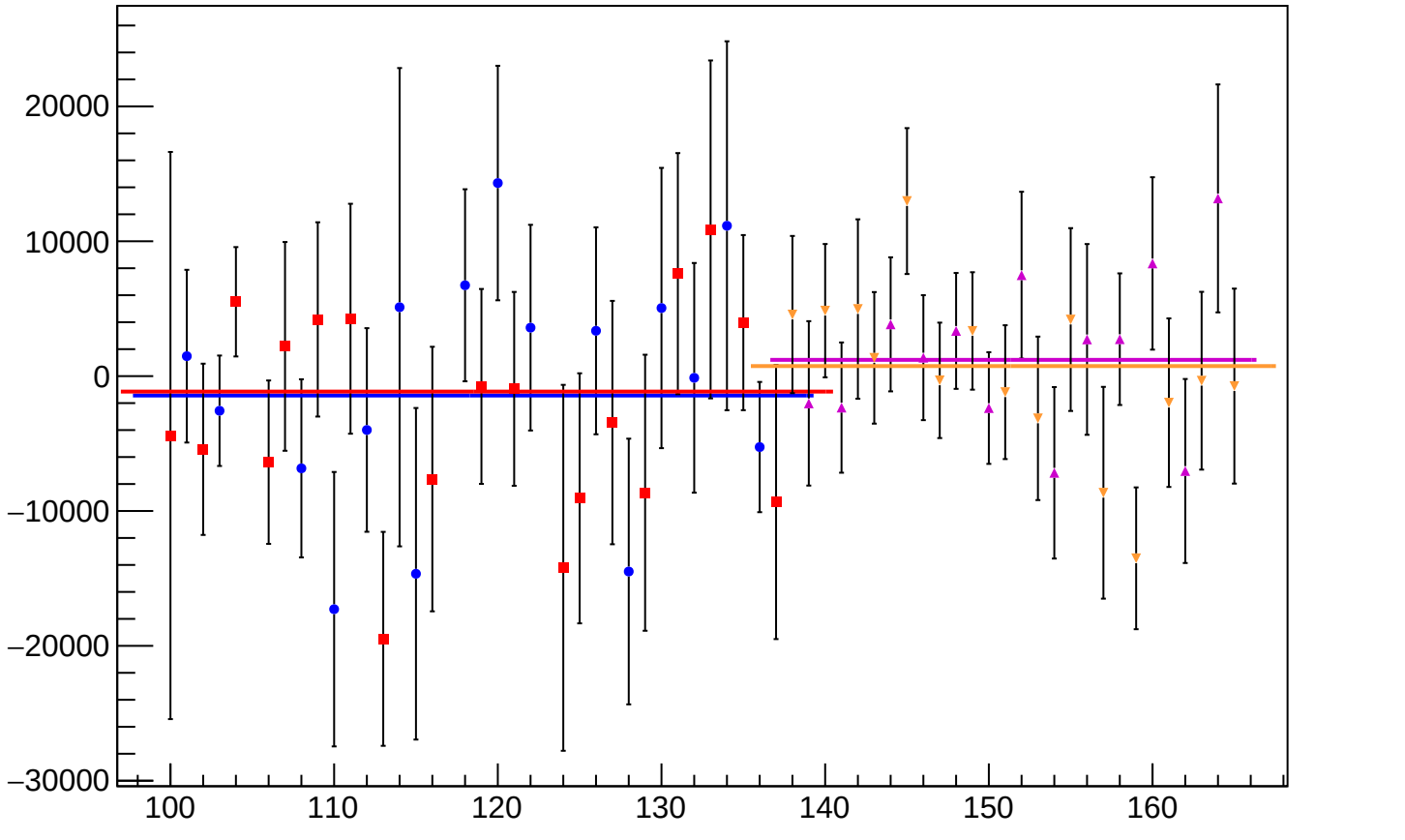
Left: 1548.879+/-0.230 χ^2/NDF: 70586.3/27

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1565.890+/-0.261 χ^2/NDF:356892.3/28

Out: 1561.364+/-0.253 χ^2/NDF:286970.1/33

All: 1563.559+/-0.182 χ^2/NDF: 644017.7/62



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 744.636+/-1433.973 χ^2/NDF:16.9/14

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1206.945+/-1503.745 χ^2/NDF:9.7/12

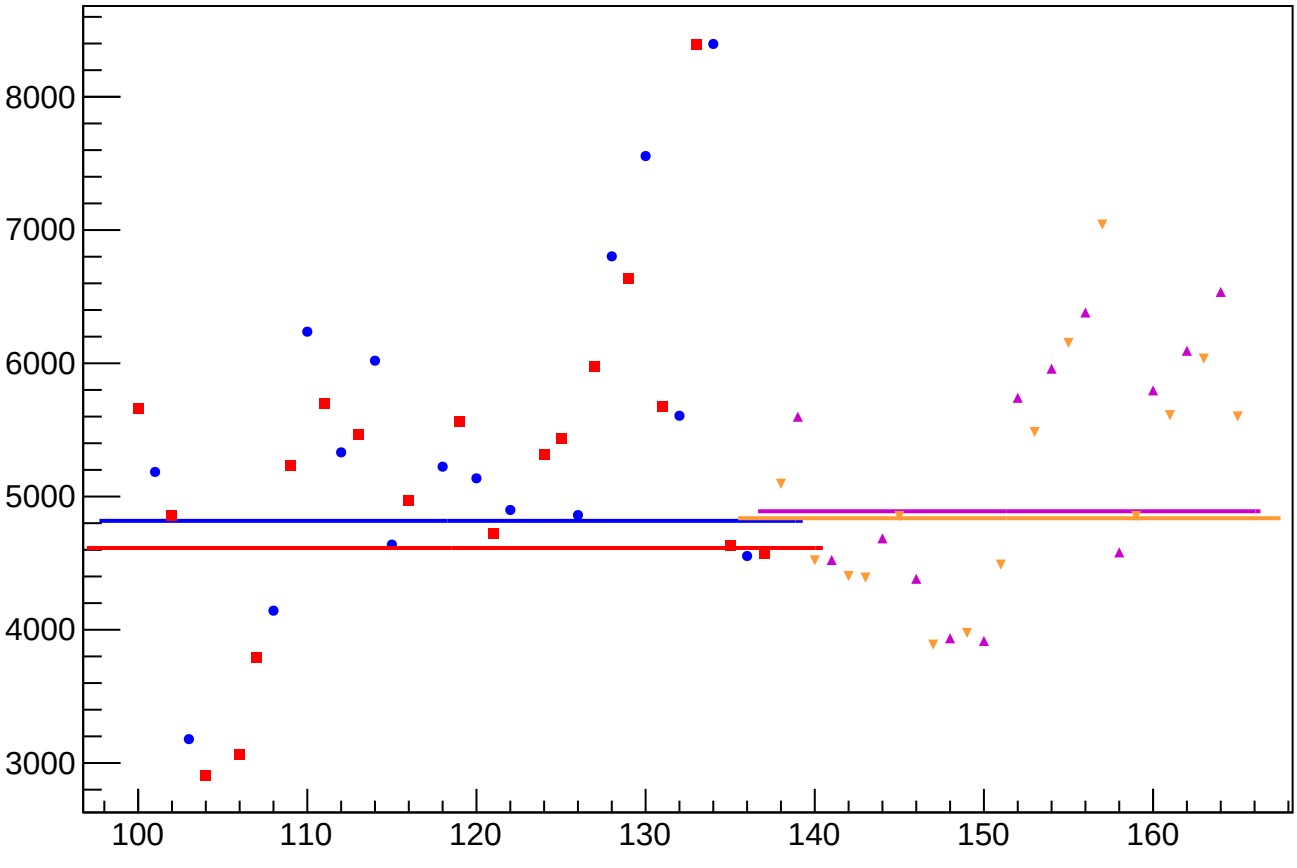
Left: 964.817+/-1037.761 χ^2/NDF: 26.7/27

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 153.774+/-1166.465 χ^2/NDF:24.8/28

Out: -6.986+/-1113.050 χ^2/NDF:33.9/33

All: 69.629+/-805.267 χ^2/NDF: 58.7/62



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4837.041+/-1.014 χ^2/NDF:598573.9/14

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

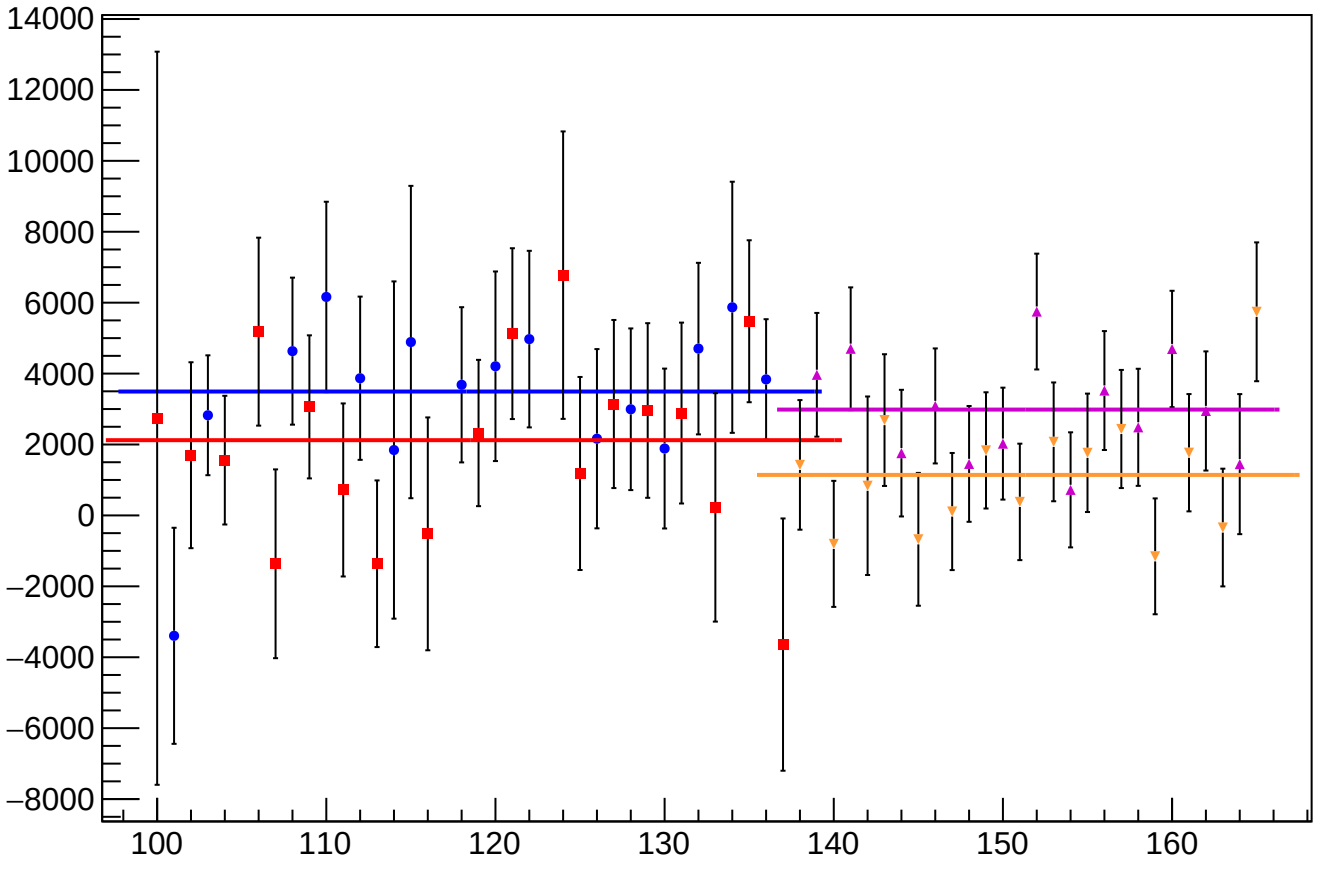
Left: 4861.931+/-0.734 χ^2/NDF: 1244772.3/27

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4860.697+/-0.825 χ^2/NDF:1441983.7/28

Out: 4748.320+/-0.787 χ^2/NDF:1595791.8/33

All: 4801.877+/-0.569 χ^2/NDF: 3047491.6/62



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.328+/-451.871 χ^2/NDF:13.1/14

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2984.790+/-466.697 χ^2/NDF:9.7/12

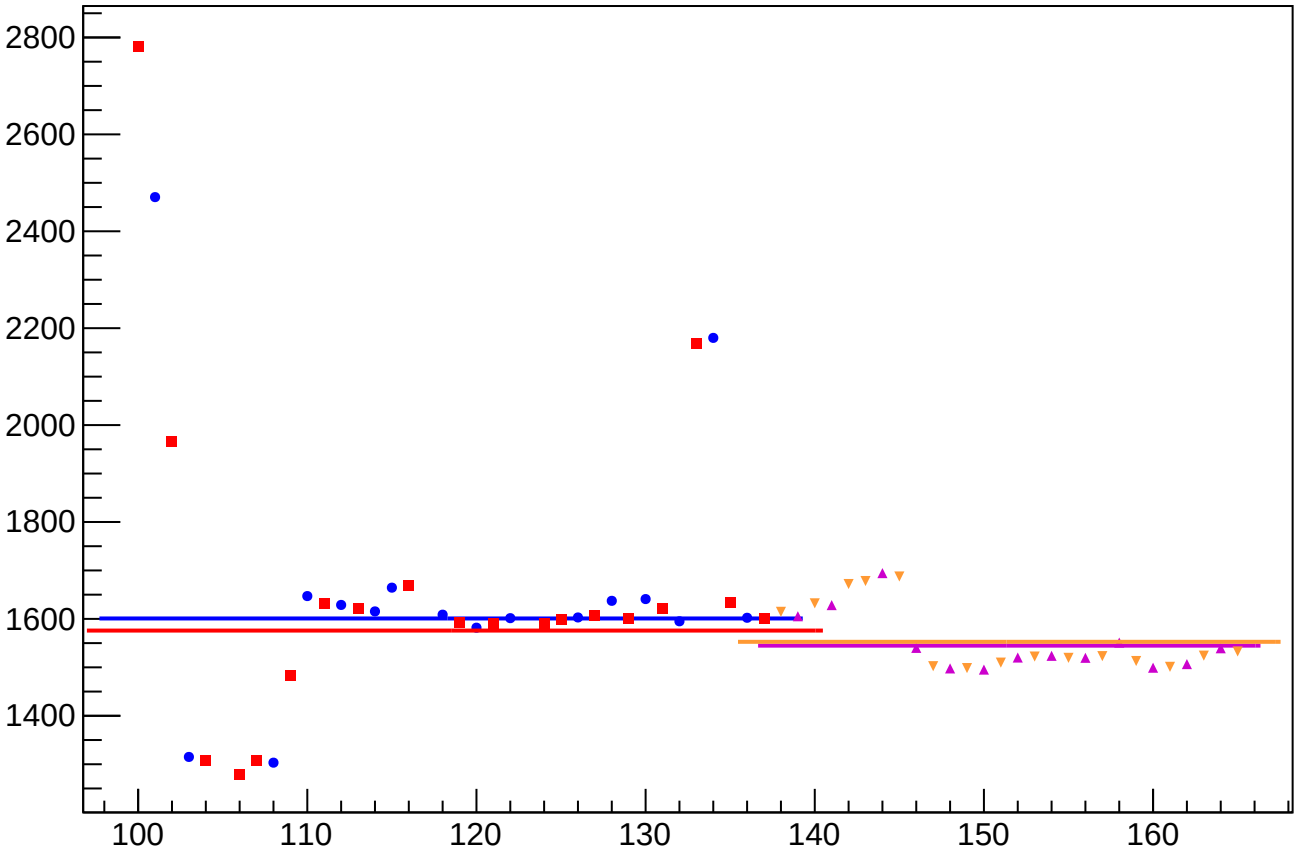
Left: 2033.827+/-324.636 χ^2/NDF: 30.9/27

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3176.284+/-368.653 χ^2/NDF:19.0/28

Out: 1506.263+/-358.206 χ^2/NDF:30.0/33

All: 2317.276+/-256.904 χ^2/NDF: 59.5/62



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

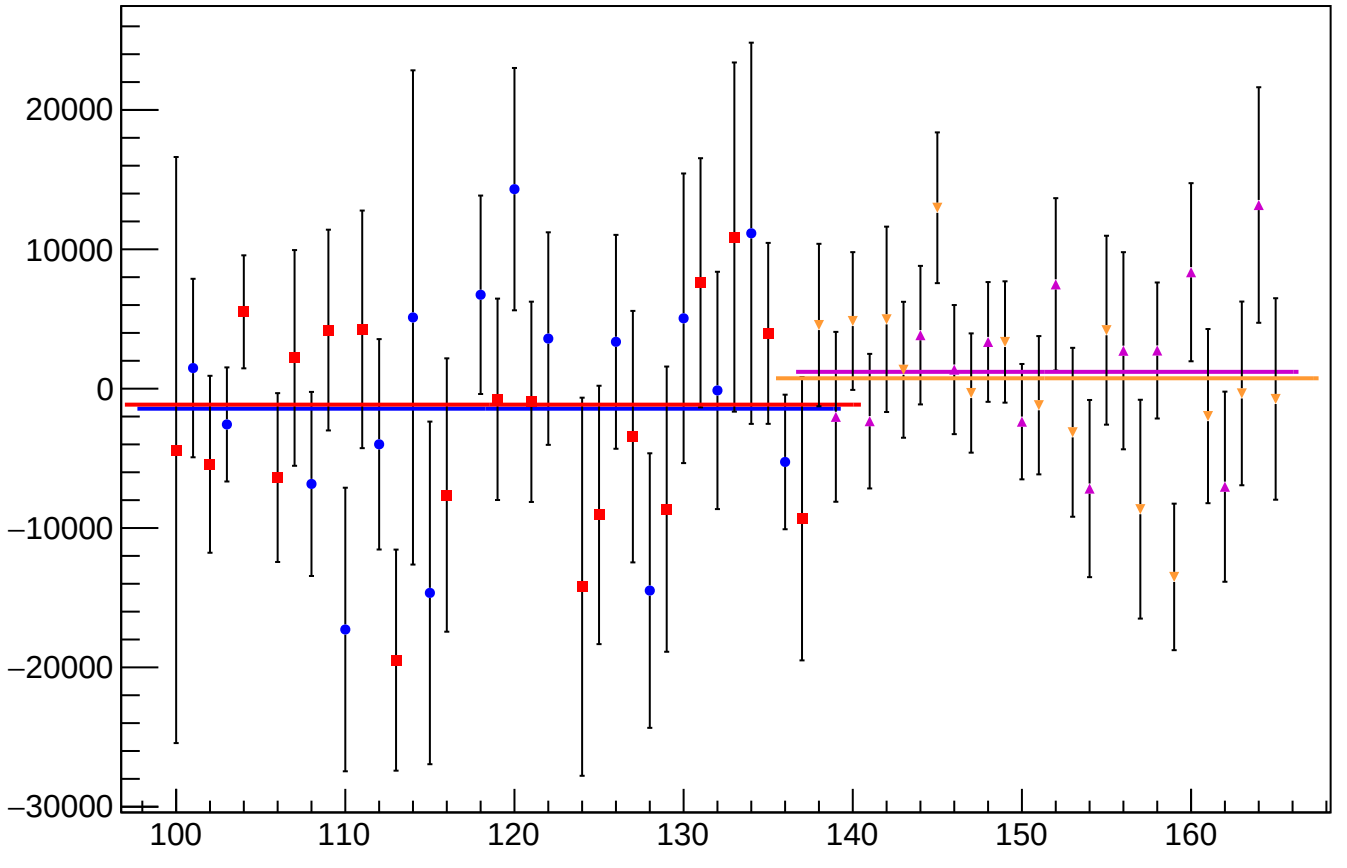
Left: 1548.879+/-0.230 χ^2/NDF: 70586.3/27

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1565.890+/-0.261 χ^2/NDF:356892.3/28

Out: 1561.364+/-0.253 χ^2/NDF:286970.1/33

All: 1563.559+/-0.182 χ^2/NDF: 644017.7/62



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 744.636+/-1433.973 χ^2/NDF:16.9/14

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1206.945+/-1503.745 χ^2/NDF:9.7/12

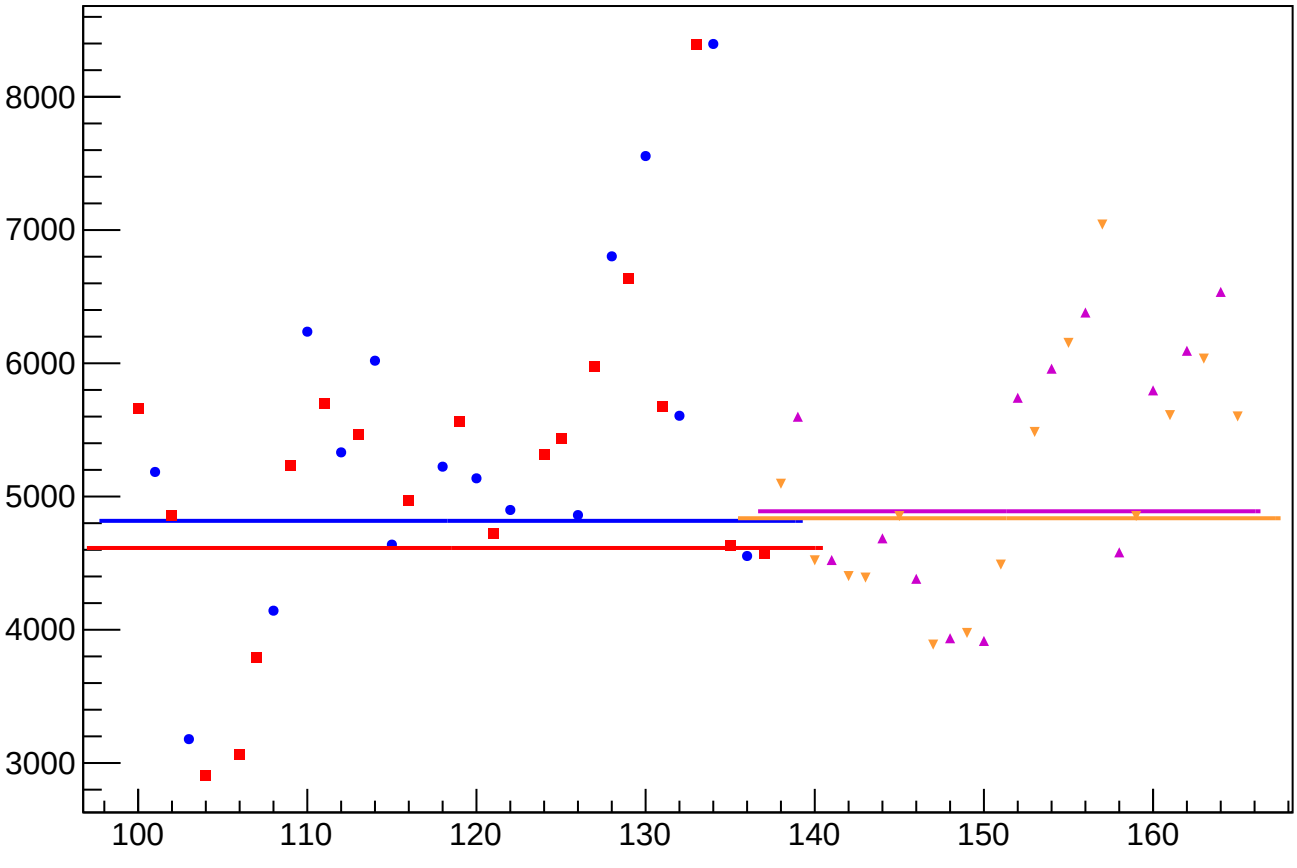
Left: 964.817+/-1037.761 χ^2/NDF: 26.7/27

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 153.774+/-1166.465 χ^2/NDF:24.8/28

Out: -6.986+/-1113.050 χ^2/NDF:33.9/33

All: 69.629+/-805.267 χ^2/NDF: 58.7/62



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4837.041+/-1.014 χ^2/NDF:598573.9/14

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

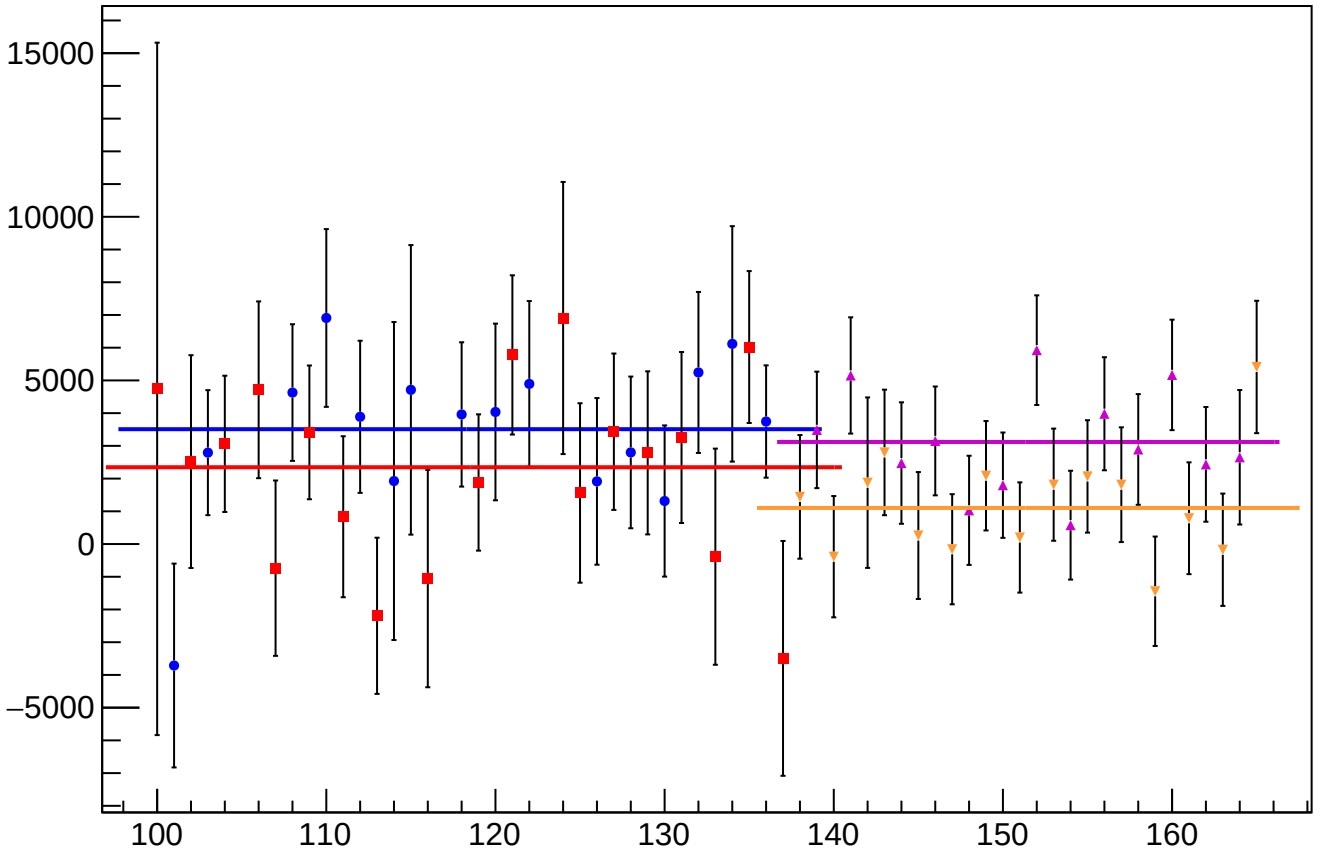
Left: 4861.931+/-0.734 χ^2/NDF: 1244772.3/27

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4860.697+/-0.825 χ^2/NDF:1441983.7/28

Out: 4748.320+/-0.787 χ^2/NDF:1595791.8/33

All: 4801.877+/-0.569 χ^2/NDF: 3047491.6/62



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1103.093+/-465.798 χ^2/NDF:11.0/14

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3118.860+/-479.693 χ^2/NDF:10.8/12

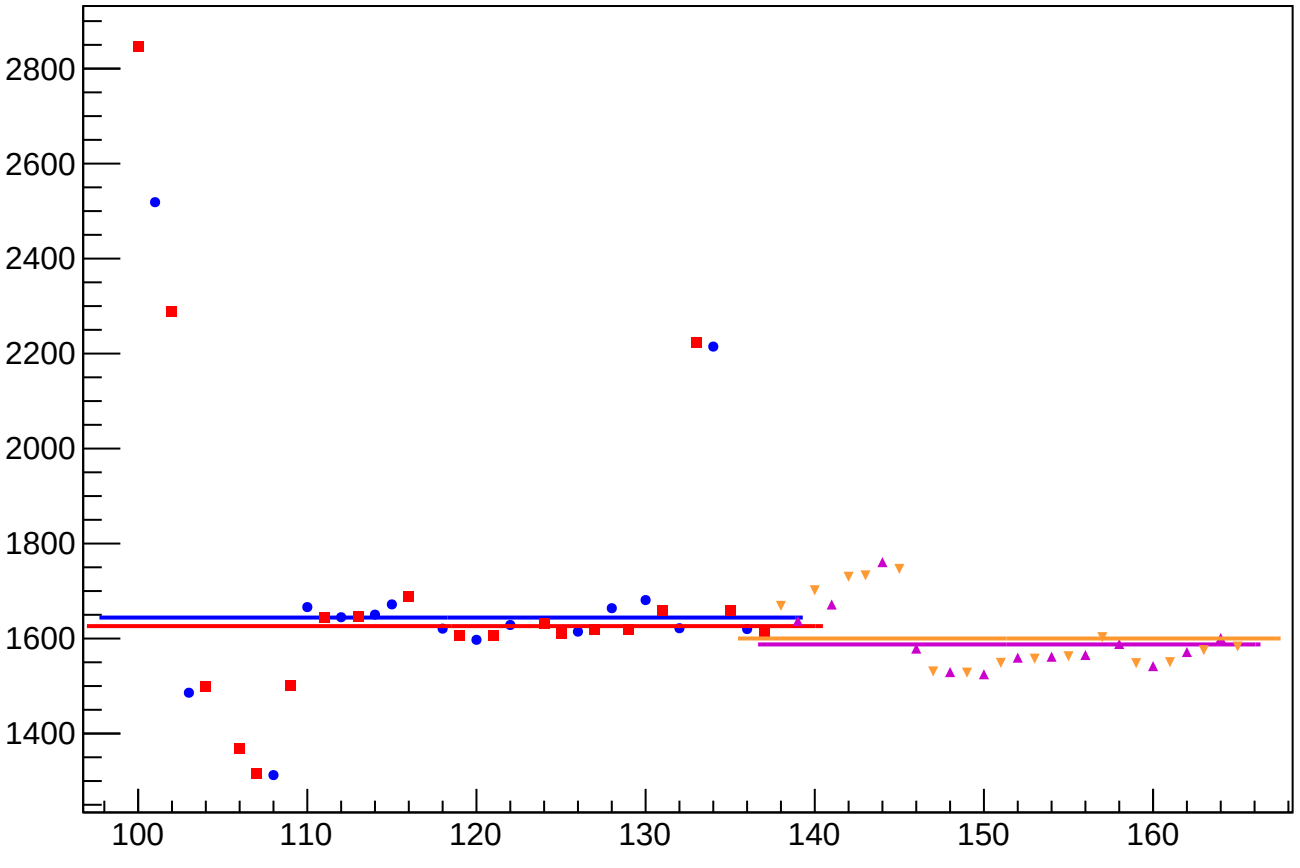
Left: 2081.360+/-334.174 χ^2/NDF: 30.9/27

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3266.111+/-378.641 χ^2/NDF:21.4/28

Out: 1563.580+/-369.647 χ^2/NDF:30.8/33

All: 2394.384+/-264.503 χ^2/NDF: 62.6/62


dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
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1400
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130
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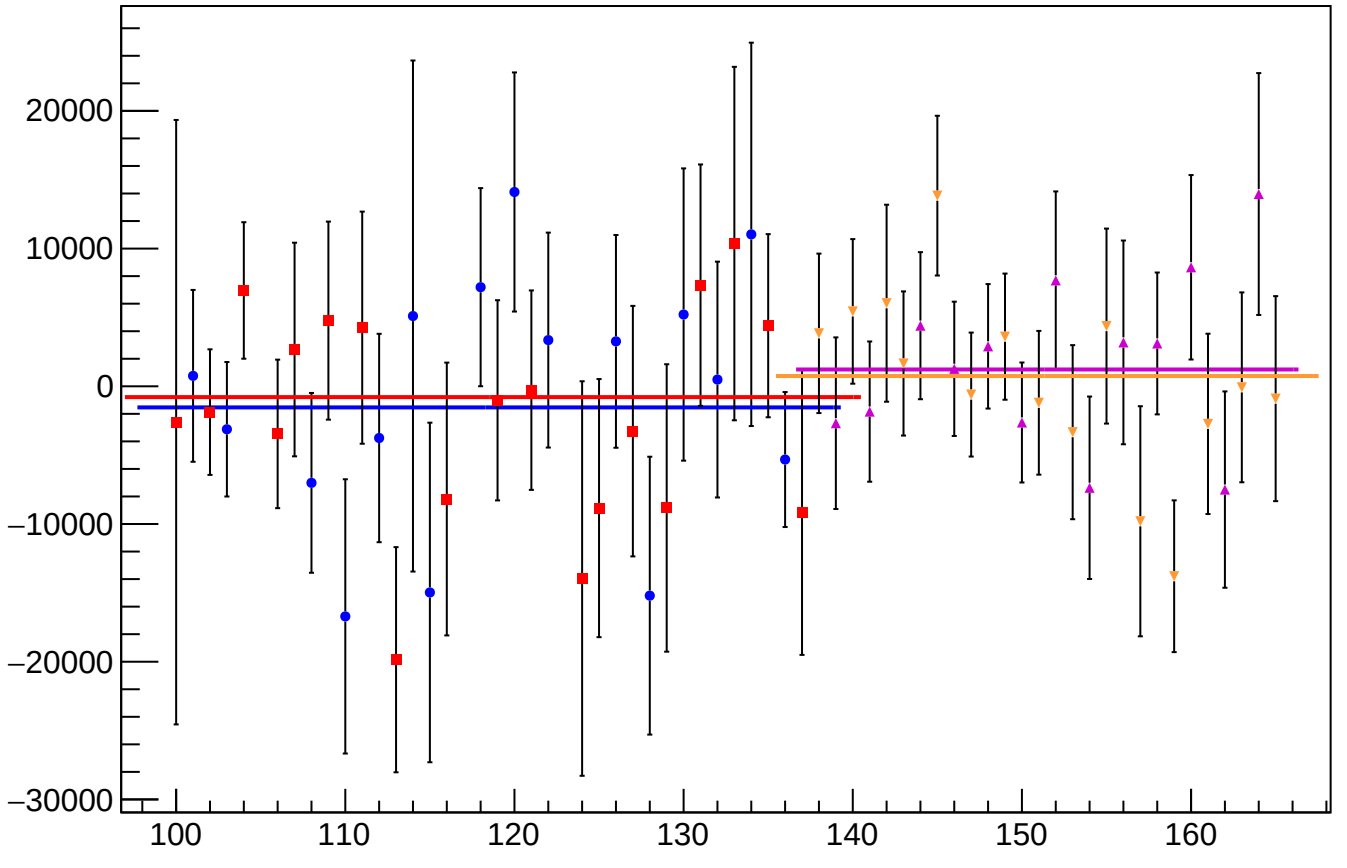
150
160
Right In: 1644.198+/-0.436 χ²/NDF: 274817.9/15
Left Out: 1600.152+/-0.329 χ²/NDF:49944.8/14
Right Out: 1626.174+/-0.429 χ²/NDF: 237639.1/18
Left In: 1587.599+/-0.339 χ²/NDF:32083.5/12
Left: 1594.060+/-0.236 χ²/NDF: 82733.2/27
Right: 1635.043+/-0.306 χ²/NDF: 513324.8/34
In: 1608.934+/-0.268 χ²/NDF:317396.7/28
Out: 1609.797+/-0.261 χ²/NDF:289897.5/33
All: 1609.376+/-0.187 χ²/NDF: 607299.6/62



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 745.193+/-1507.094 χ^2/NDF:17.0/14

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1221.646+/-1579.598 χ^2/NDF:9.7/12

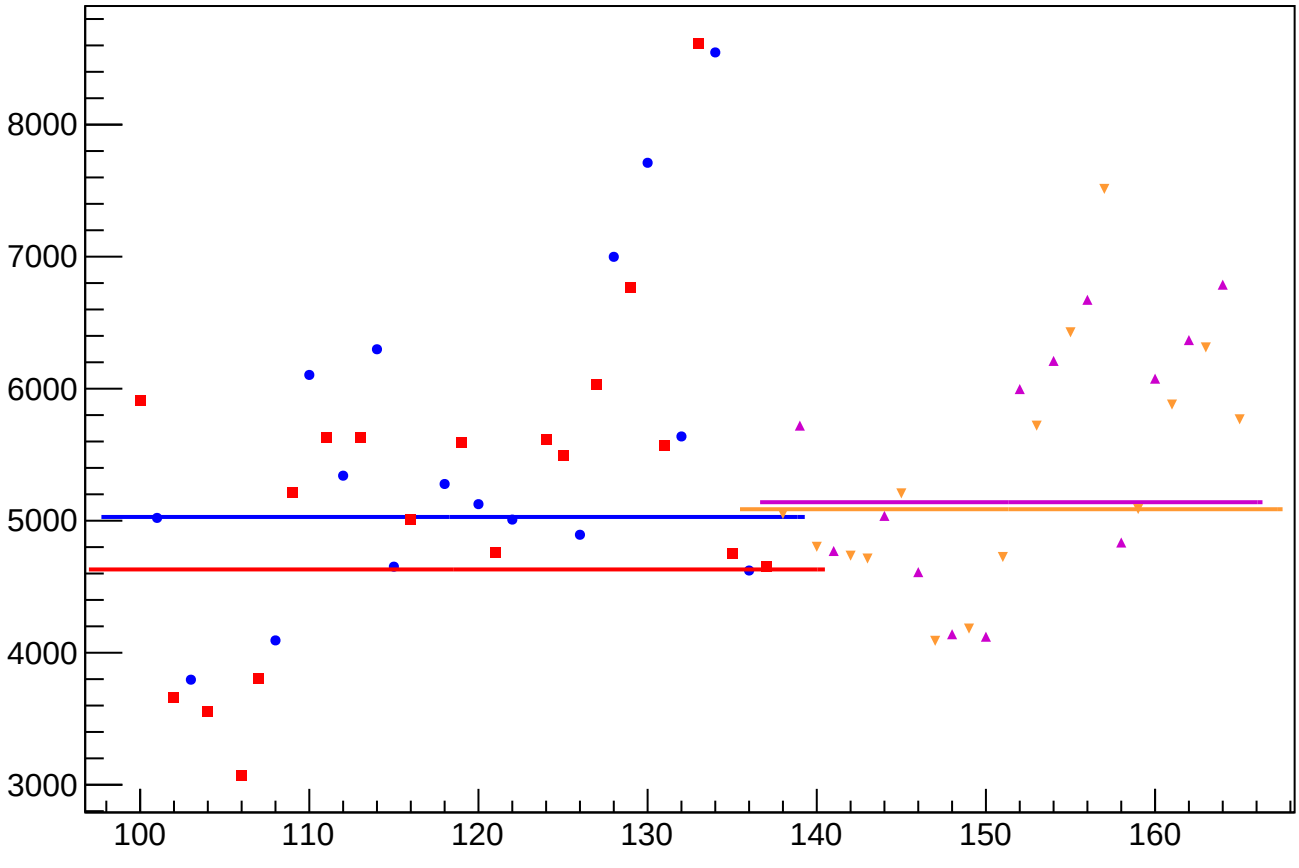
Left: 972.234+/-1090.408 χ^2/NDF: 26.7/27

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 105.821+/-1218.237 χ^2/NDF:24.9/28

Out: 93.296+/-1141.582 χ^2/NDF:32.4/33

All: 99.152+/-833.002 χ^2/NDF: 57.3/62



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5087.010+/-1.066 χ^2/NDF:577051.6/14

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5140.196+/-1.117 χ^2/NDF:608638.2/12

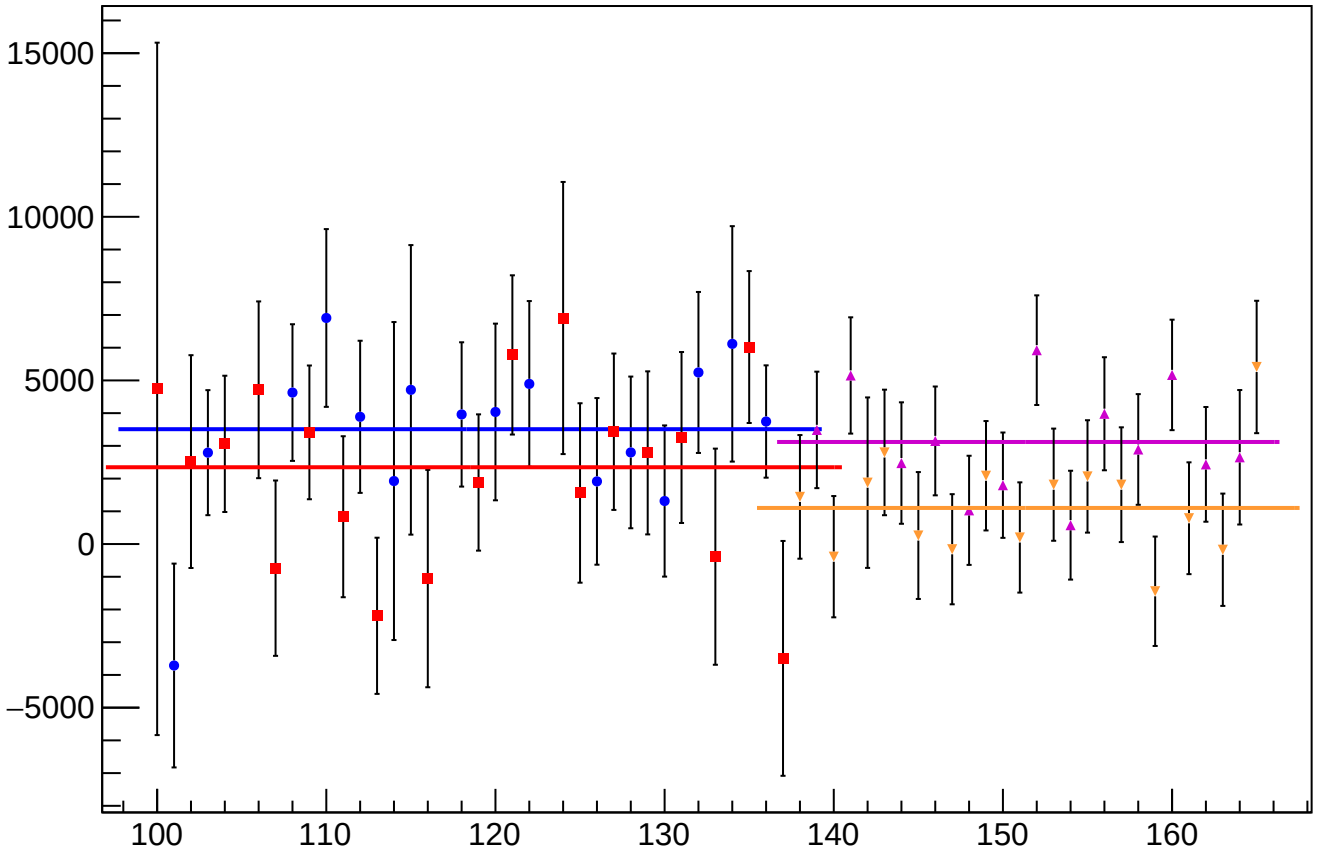
Left: 5112.354+/-0.771 χ^2/NDF: 1186876.7/27

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5094.916+/-0.861 χ^2/NDF:1178163.4/28

Out: 4892.600+/-0.807 χ^2/NDF:1518646.1/33

All: 4987.193+/-0.589 χ^2/NDF: 2726179.5/62



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1103.081+/-465.799 χ^2/NDF:11.0/14

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3118.864+/-479.694 χ^2/NDF:10.8/12

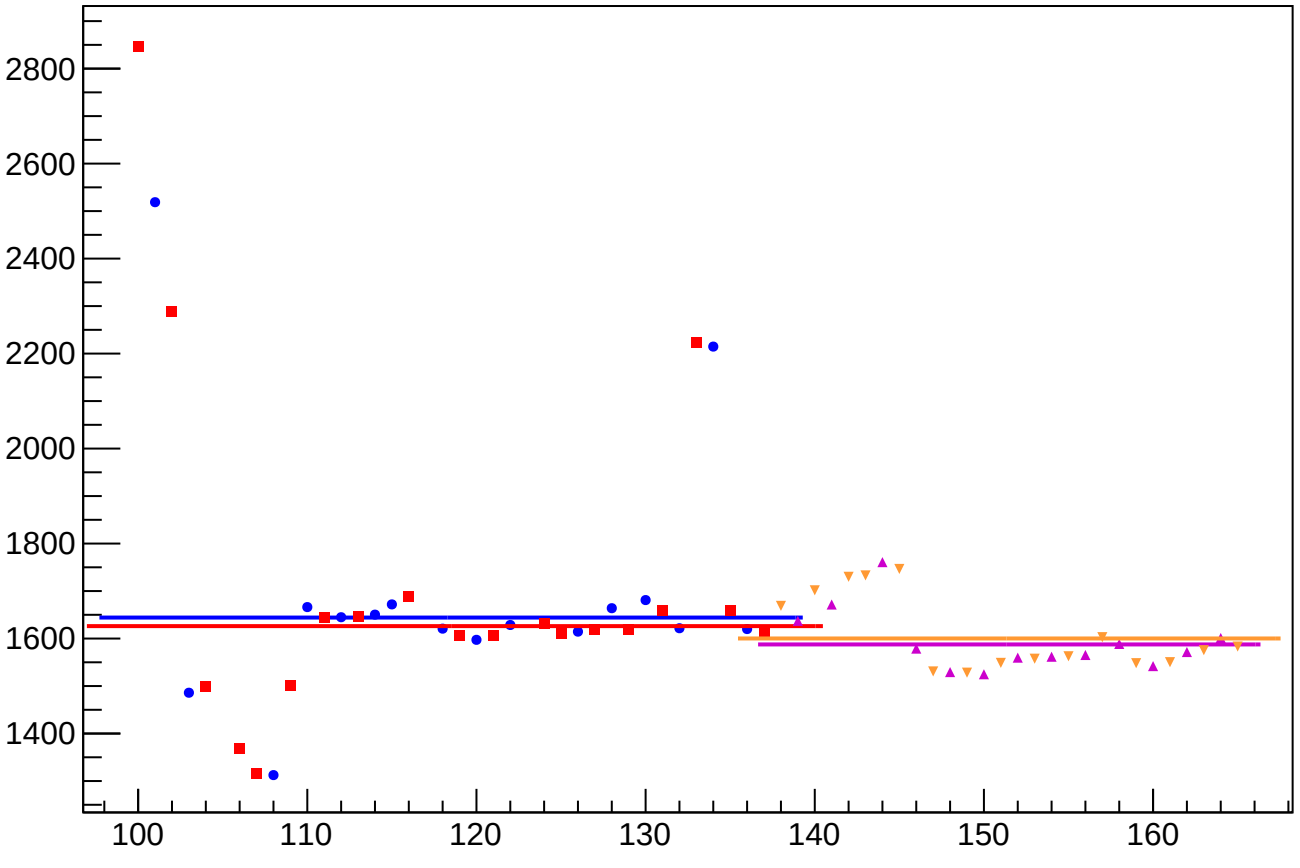
Left: 2081.355+/-334.174 χ^2/NDF: 30.9/27

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3266.115+/-378.642 χ^2/NDF:21.4/28

Out: 1563.575+/-369.647 χ^2/NDF:30.8/33

All: 2394.383+/-264.503 χ^2/NDF: 62.6/62


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
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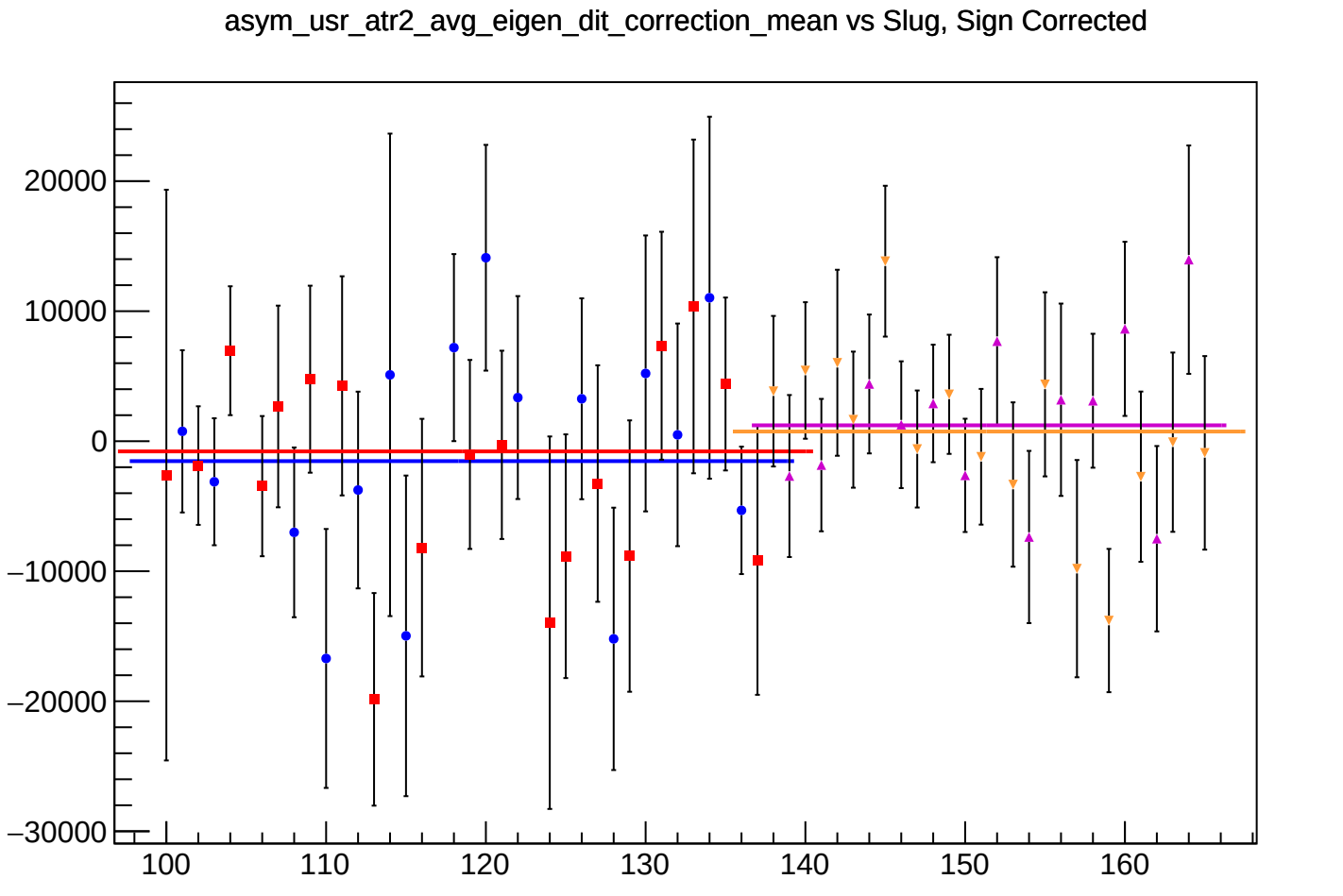
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1600.154+/-0.329 χ²/NDF:49944.7/14
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1587.601+/-0.339 χ²/NDF:32083.4/12
Left: 1594.062+/-0.236 χ²/NDF: 82733.0/27
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1608.934+/-0.268 χ²/NDF:317396.0/28
Out: 1609.798+/-0.261 χ²/NDF:289896.7/33
All: 1609.377+/-0.187 χ²/NDF: 607298.1/62



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 745.188+/-1507.097 χ^2/NDF:17.0/14

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1221.645+/-1579.601 χ^2/NDF:9.7/12

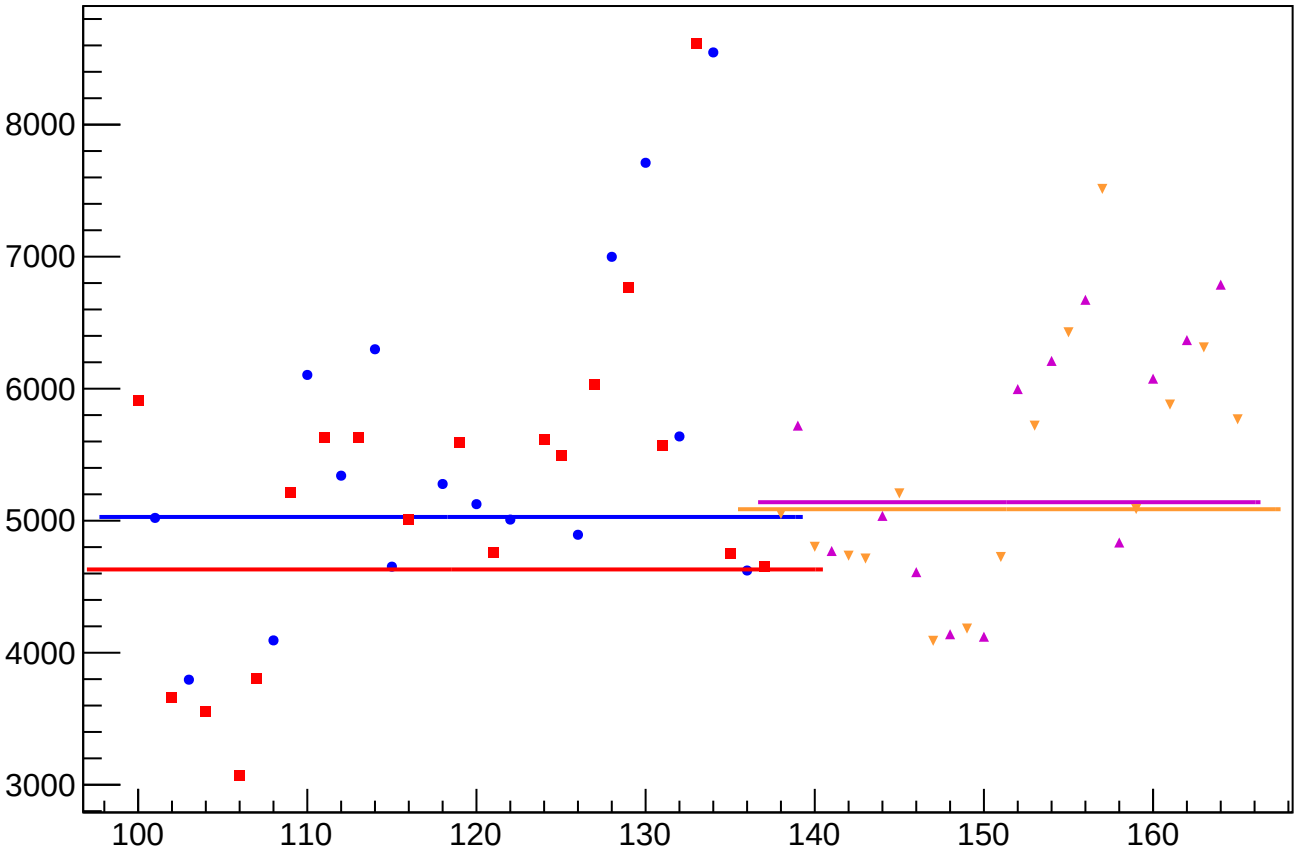
Left: 972.231+/-1090.410 χ^2/NDF: 26.7/27

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 105.822+/-1218.237 χ^2/NDF:24.9/28

Out: 93.290+/-1141.582 χ^2/NDF:32.4/33

All: 99.149+/-833.002 χ^2/NDF: 57.3/62



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5087.019+/-1.066 χ^2/NDF:577052.8/14

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5140.204+/-1.117 χ^2/NDF:608639.0/12

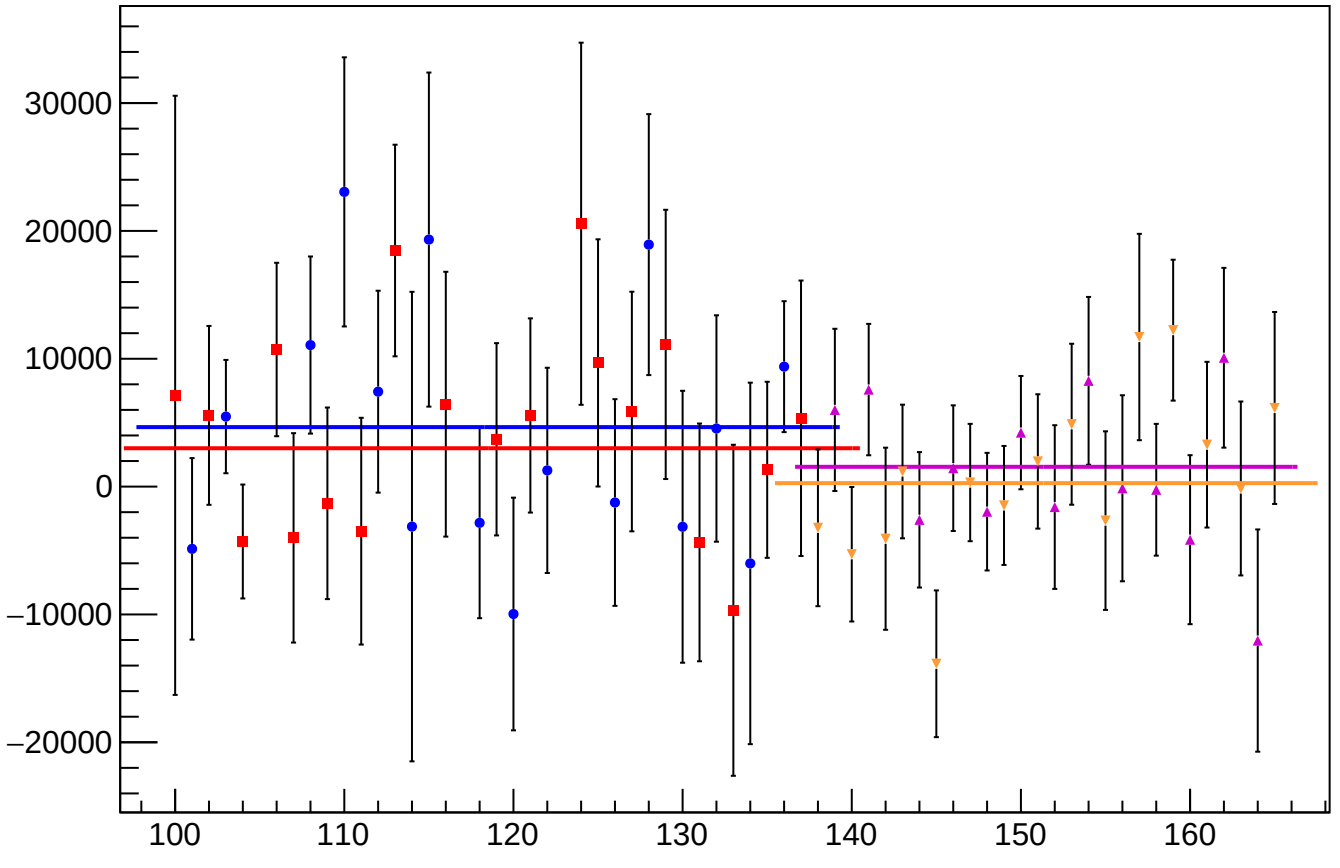
Left: 5112.363+/-0.771 χ^2/NDF: 1186878.7/27

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5094.918+/-0.861 χ^2/NDF:1178158.9/28

Out: 4892.602+/-0.807 χ^2/NDF:1518646.6/33

All: 4987.195+/-0.589 χ^2/NDF: 2726175.7/62



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 272.112+/-1513.675 χ^2/NDF:16.4/14

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1547.710+/-1584.201 χ^2/NDF:9.6/12

Left: 880.886+/-1094.413 χ^2/NDF: 26.3/27

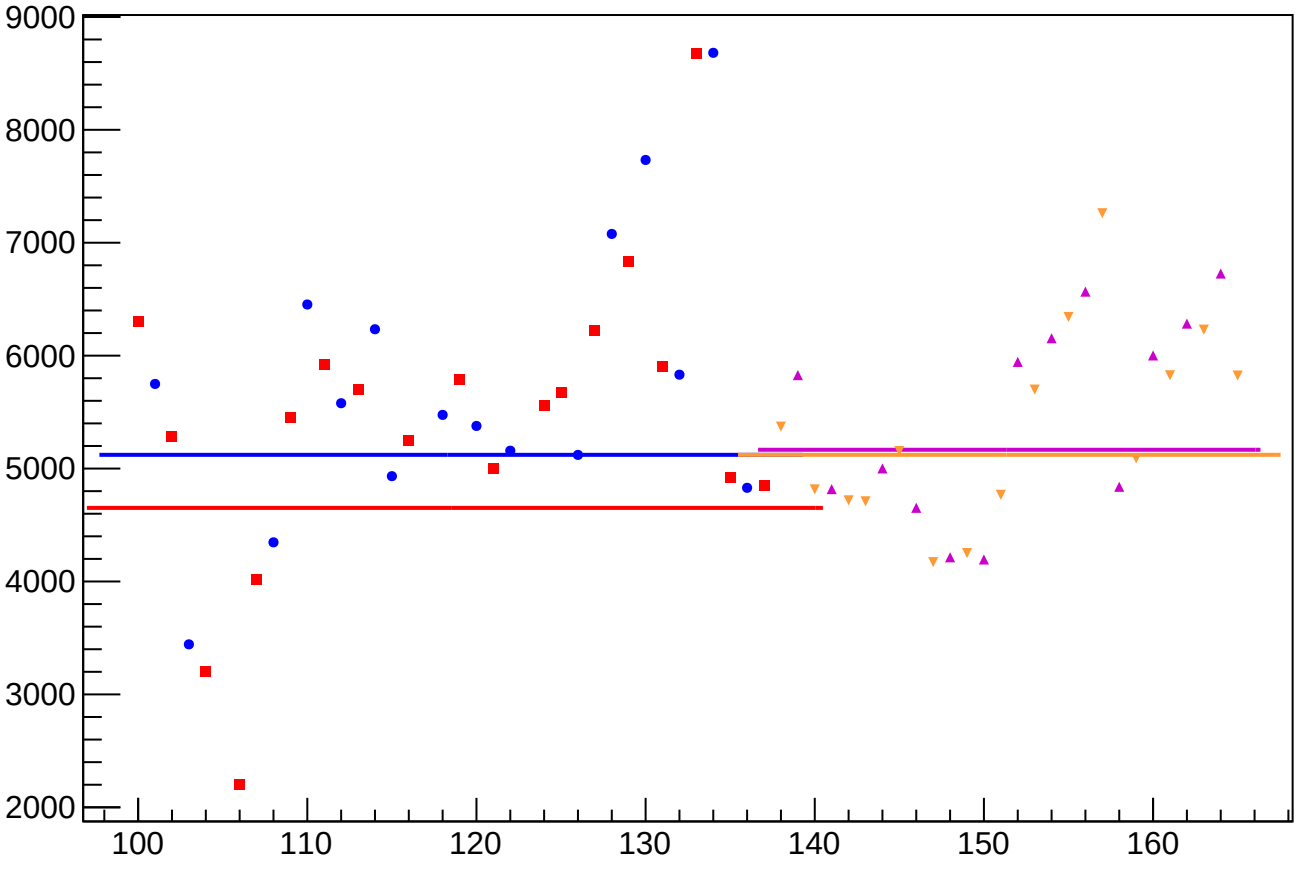
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2775.949+/-1231.696 χ^2/NDF:26.6/28

Out: 1343.423+/-1179.711 χ^2/NDF:31.6/33

All: 2028.818+/-851.967 χ^2/NDF: 58.9/62

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5121.785+/-1.070 χ^2/NDF:506484.9/14

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5166.567+/-1.120 χ^2/NDF:540484.3/12

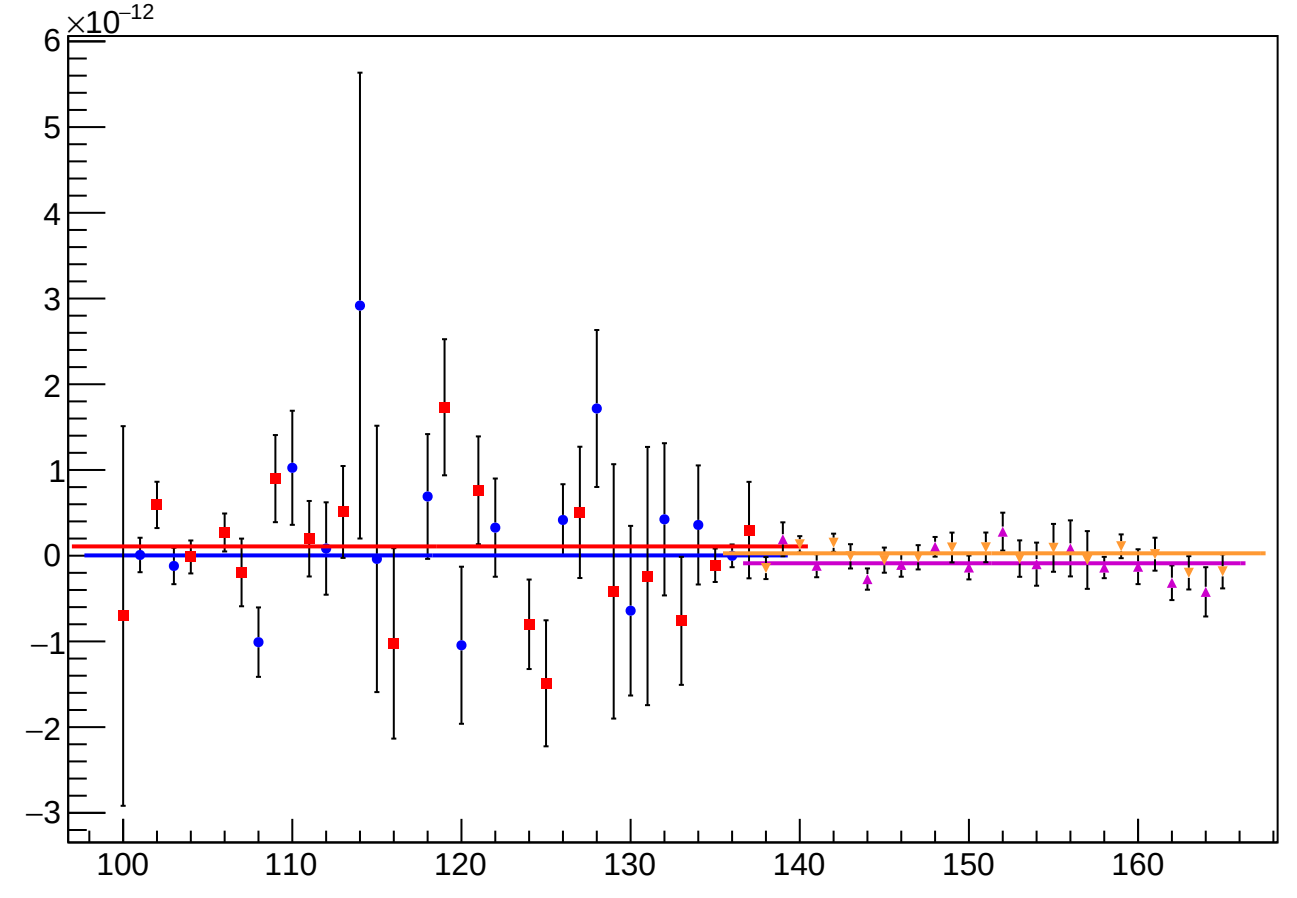
Left: 5143.157+/-0.774 χ^2/NDF: 1047804.6/27

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5148.799+/-0.871 χ^2/NDF:1261490.5/28

Out: 4928.421+/-0.821 χ^2/NDF:1930692.9/33

All: 5032.136+/-0.597 χ^2/NDF: 3226077.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/12

Left: -0.000+/-0.000 χ^2/NDF: 25.0/27

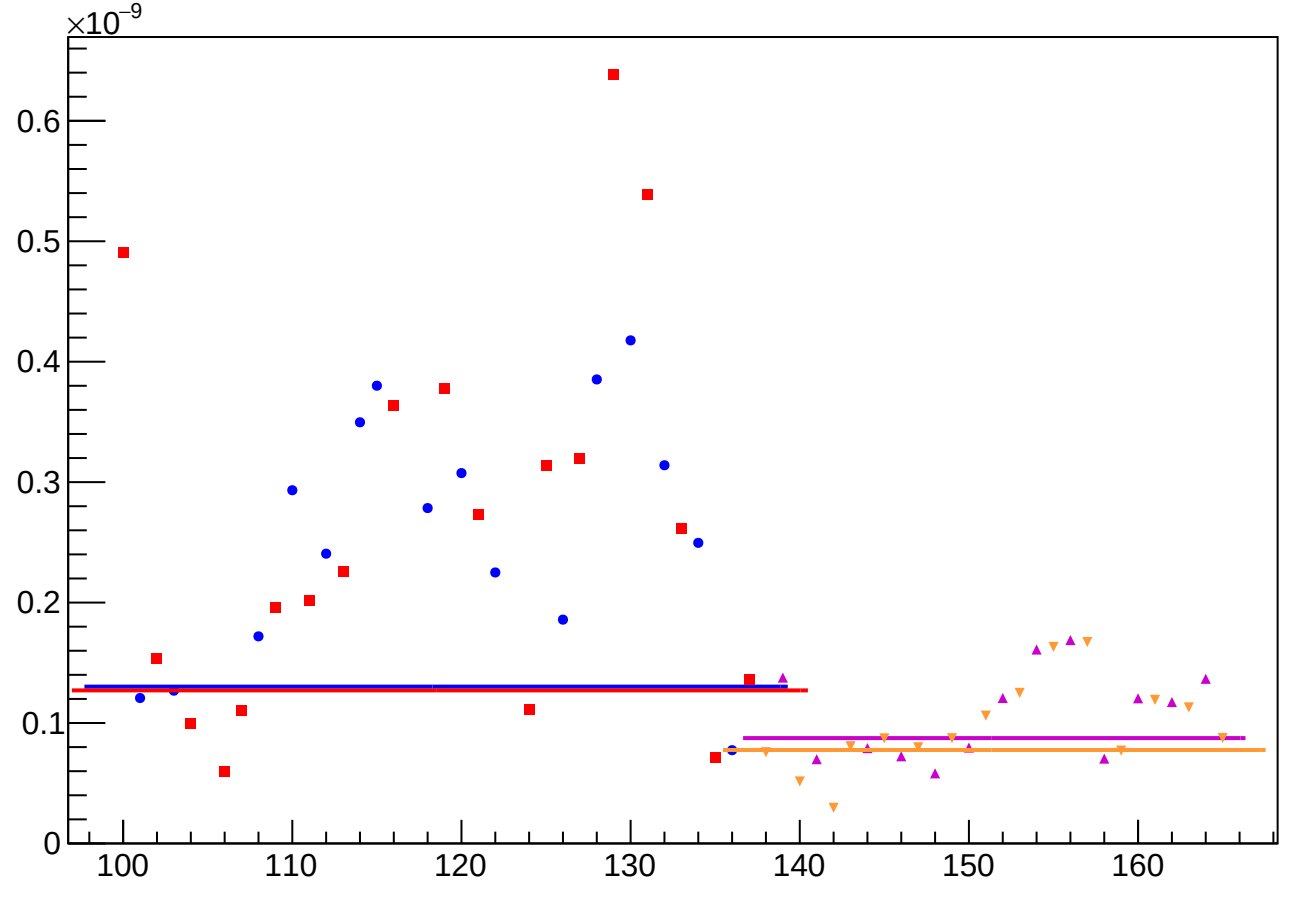
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:32.0/28

Out: 0.000+/-0.000 χ^2/NDF:34.0/33

All: -0.000+/-0.000 χ^2/NDF: 70.1/62

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1221779.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:865790.2/12

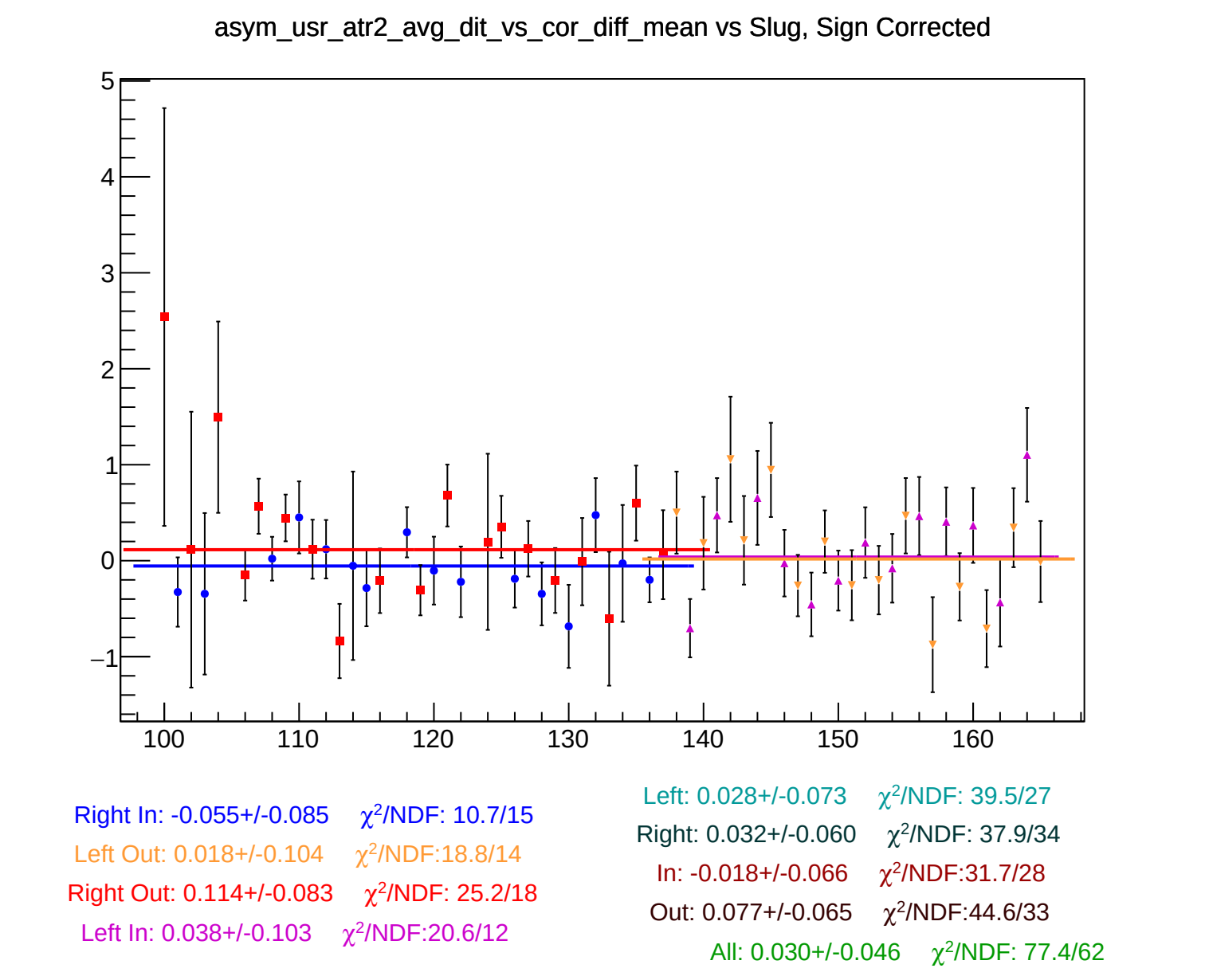
Left: 0.000+/-0.000 χ^2/NDF: 2142144.1/27

Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:2579543.1/28

Out: 0.000+/-0.000 χ^2/NDF:3467197.6/33

All: 0.000+/-0.000 χ^2/NDF: 6129298.4/62


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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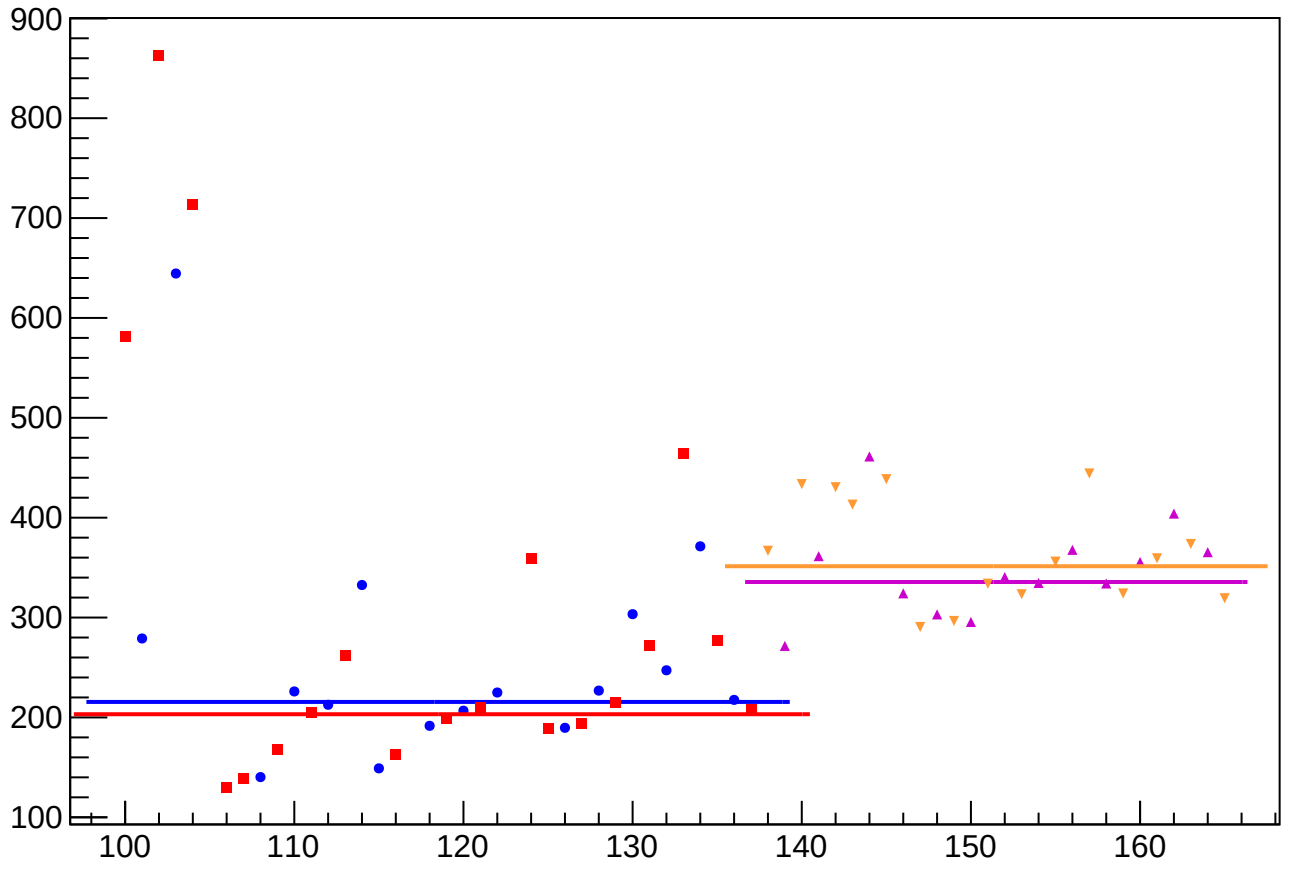
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.038+/-0.103 χ²/NDF:20.6/12
Left: 0.028+/-0.073 χ²/NDF: 39.5/27
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.018+/-0.066 χ²/NDF:31.7/28
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.030+/-0.046 χ²/NDF: 77.4/62



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.386+/-0.074 χ^2/NDF:435625.5/14

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

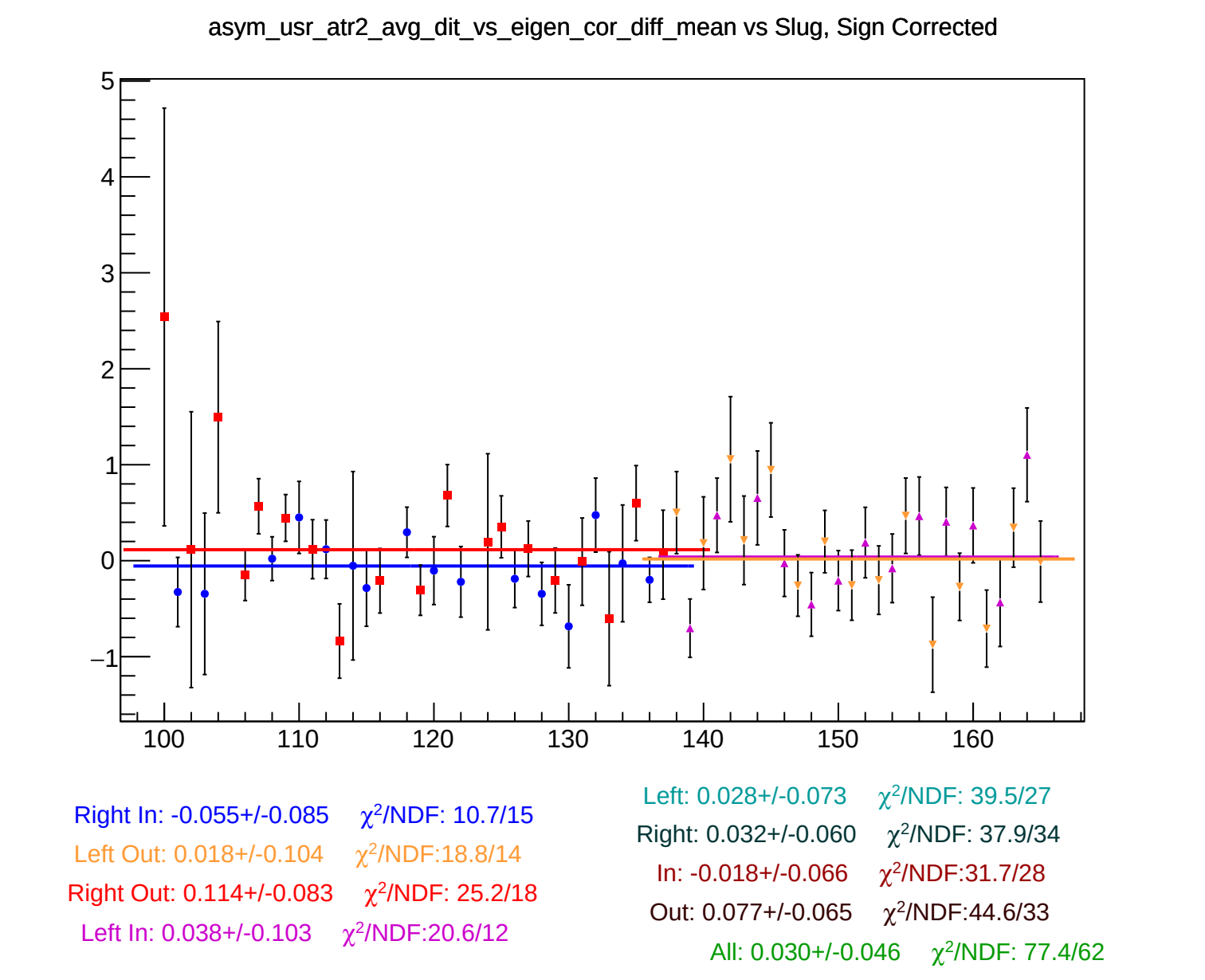
Left: 343.412+/-0.052 χ^2/NDF: 812051.7/27

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.341+/-0.047 χ^2/NDF:3107080.9/28

Out: 260.825+/-0.046 χ^2/NDF:4736985.6/33

All: 262.562+/-0.033 χ^2/NDF: 7846951.6/62


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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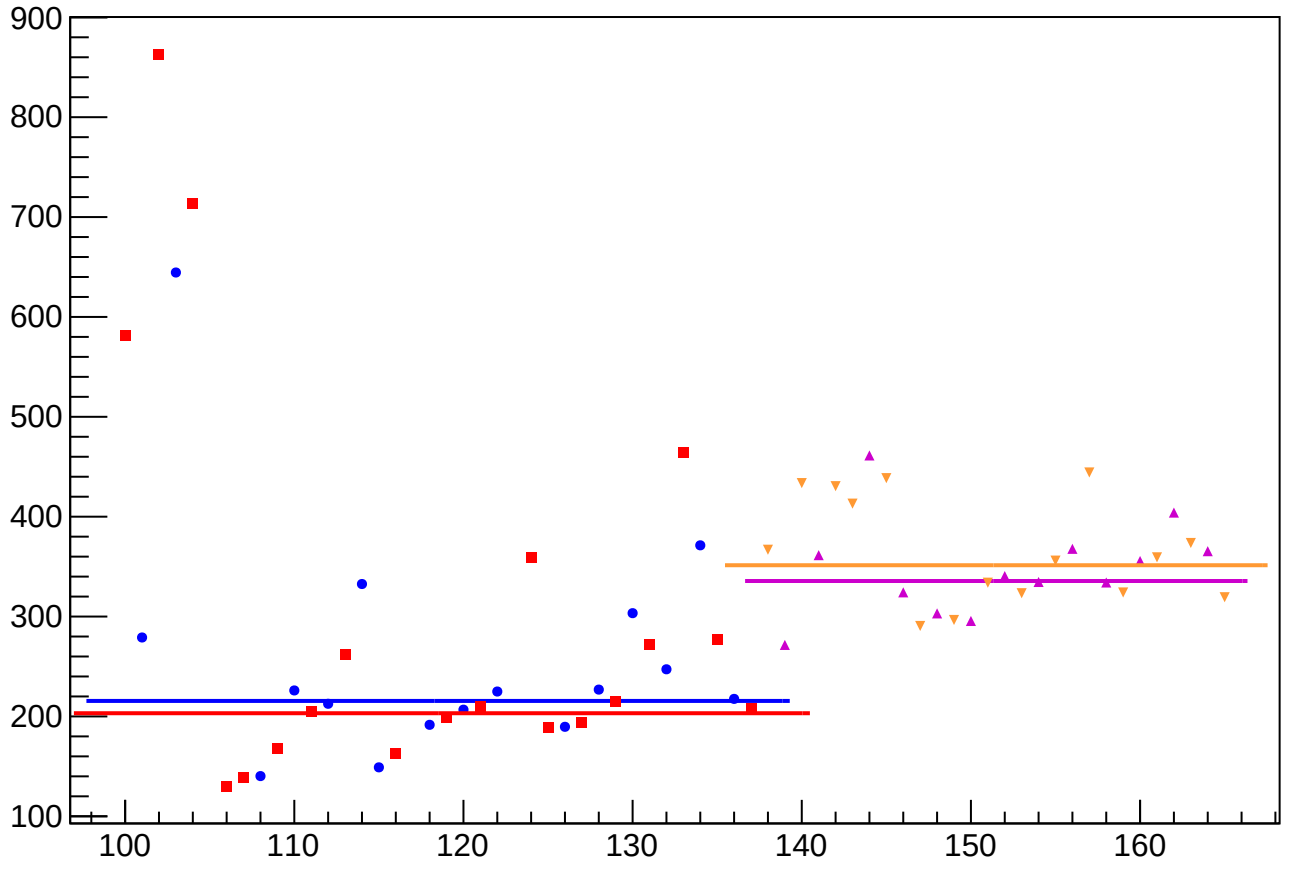
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.038+/-0.103 χ²/NDF:20.6/12
Left: 0.028+/-0.073 χ²/NDF: 39.5/27
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.018+/-0.066 χ²/NDF:31.7/28
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.030+/-0.046 χ²/NDF: 77.4/62



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.386+/-0.074 χ^2/NDF:435625.5/14

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

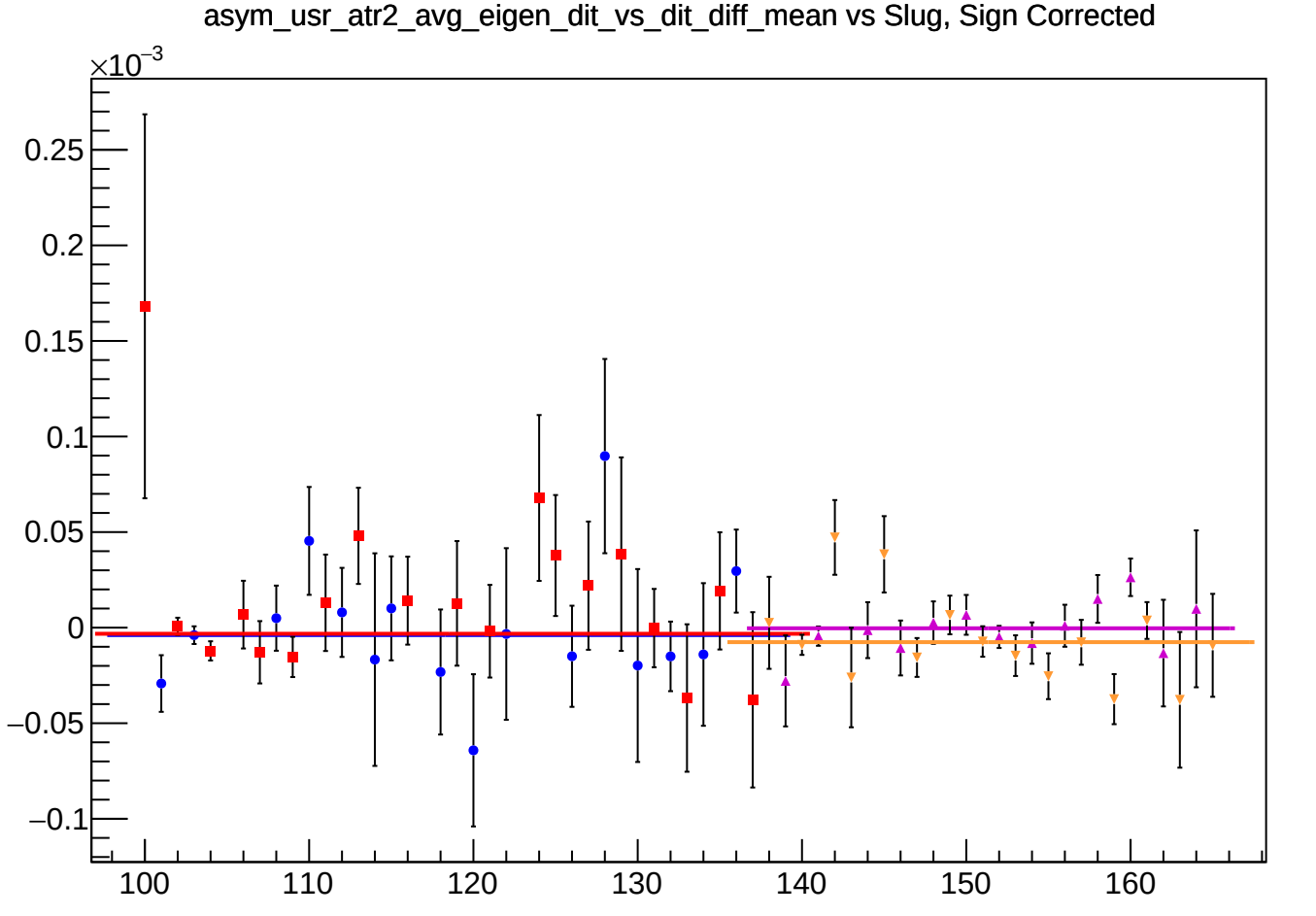
Left: 343.412+/-0.052 χ^2/NDF: 812051.7/27

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.341+/-0.047 χ^2/NDF:3107080.9/28

Out: 260.825+/-0.046 χ^2/NDF:4736985.6/33

All: 262.562+/-0.033 χ^2/NDF: 7846951.6/62


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
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−0.1
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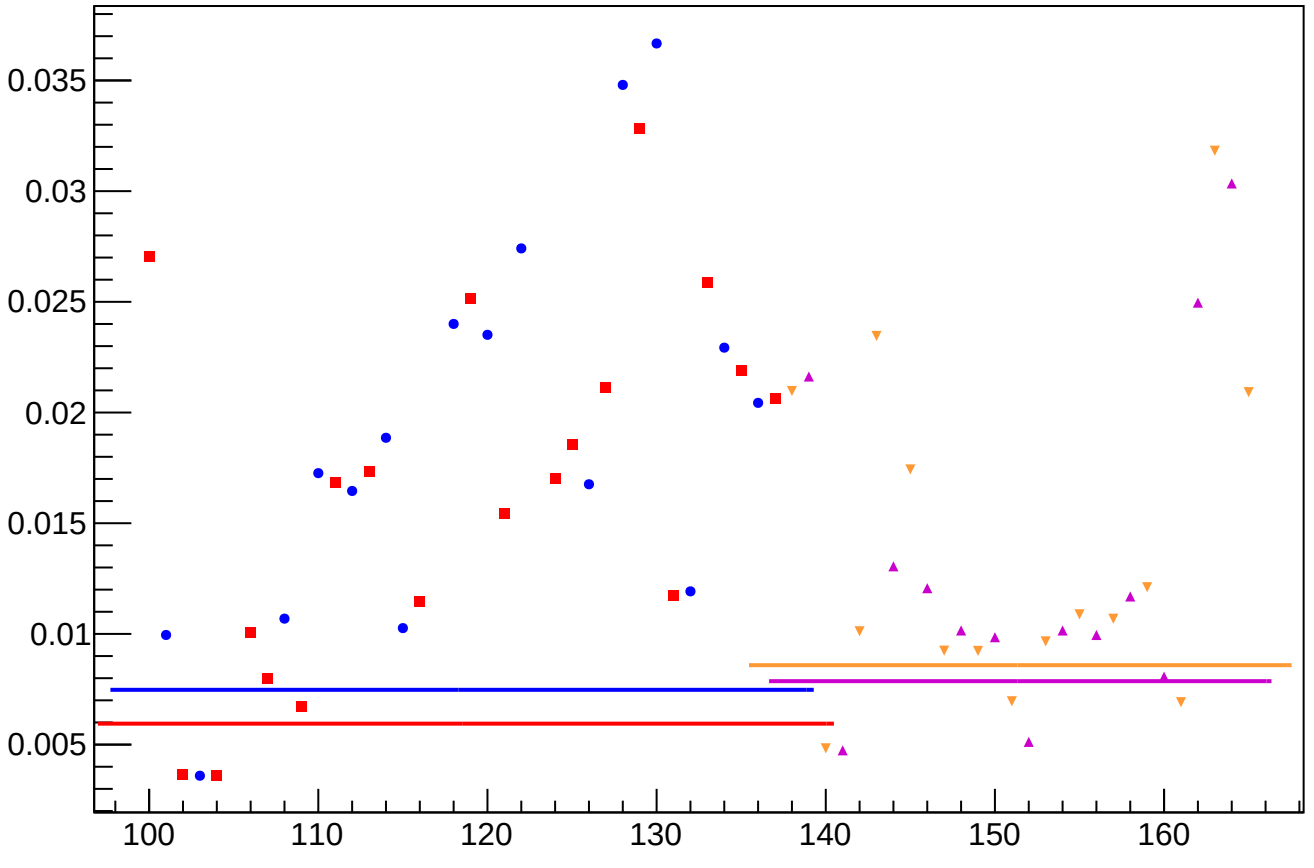
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/12
Left: -0.000+/-0.000 χ²/NDF: 43.2/27
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:29.9/28
Out: -0.000+/-0.000 χ²/NDF:49.3/33
All: -0.000+/-0.000 χ²/NDF: 80.8/62



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:4340315.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4164991.2/12

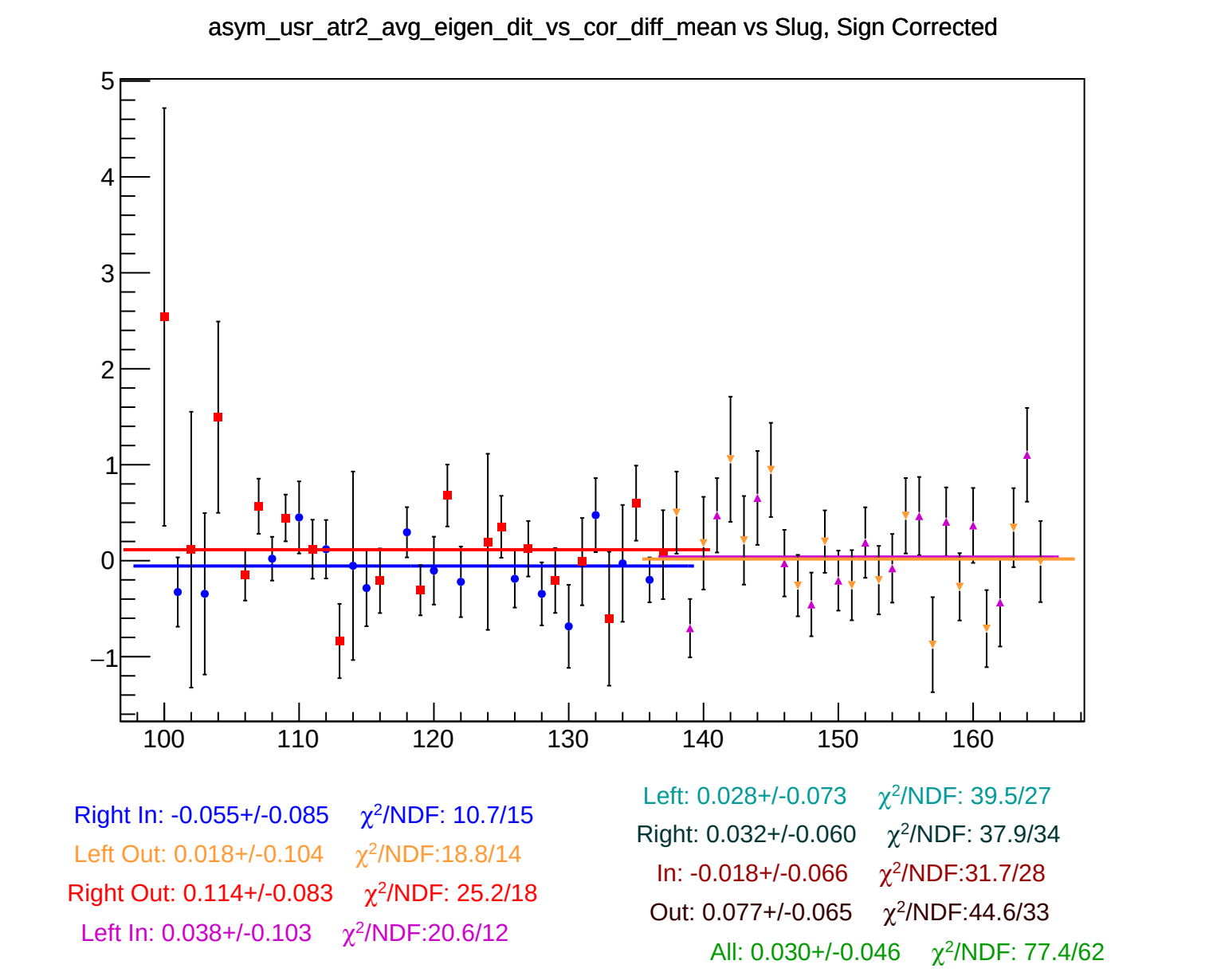
Left: 0.008+/-0.000 χ^2/NDF: 8571576.4/27

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:10255141.8/28

Out: 0.007+/-0.000 χ^2/NDF:11113223.1/33

All: 0.007+/-0.000 χ^2/NDF: 21413446.9/62


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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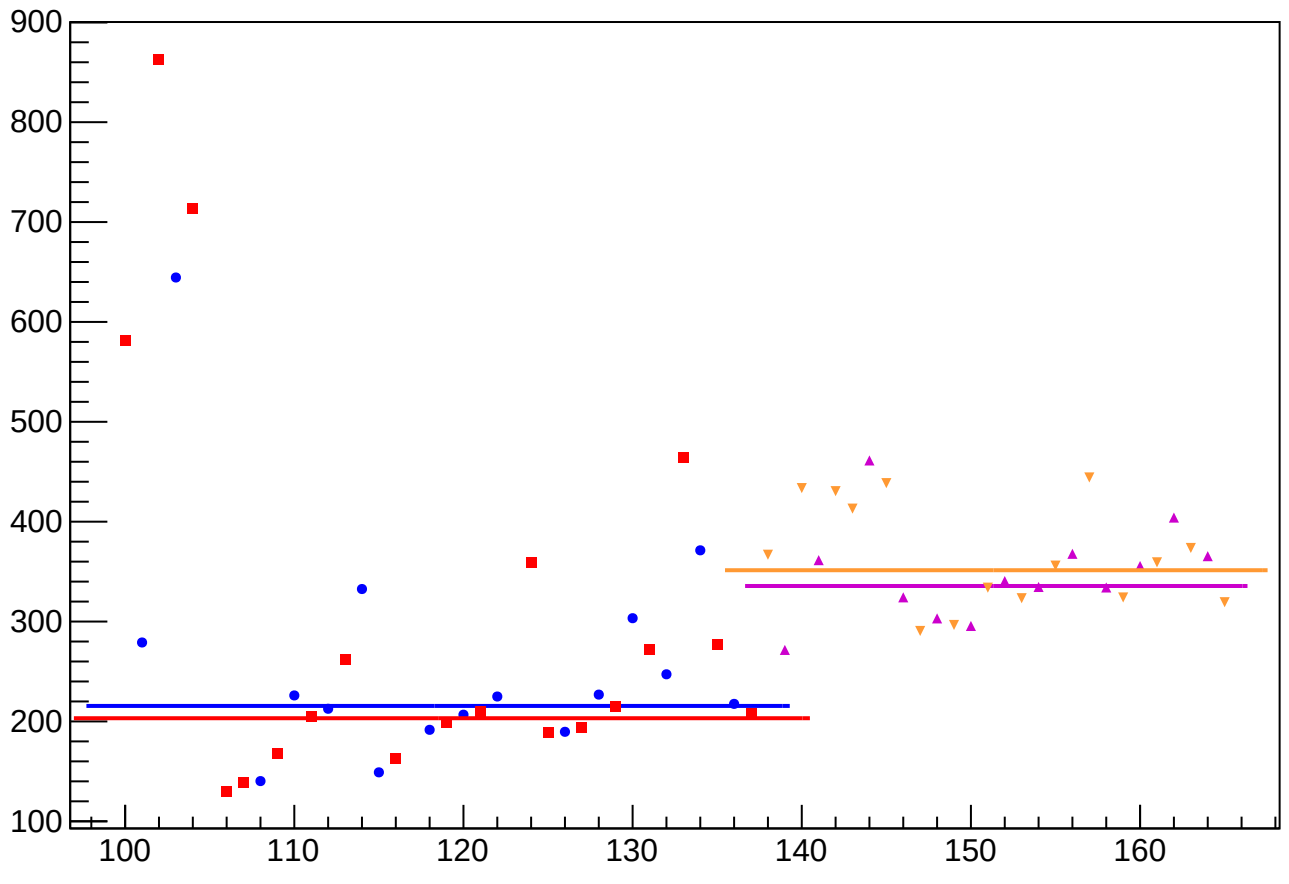
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.038+/-0.103 χ²/NDF:20.6/12
Left: 0.028+/-0.073 χ²/NDF: 39.5/27
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.018+/-0.066 χ²/NDF:31.7/28
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.030+/-0.046 χ²/NDF: 77.4/62



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.392+/-0.074 χ^2/NDF:435617.8/14

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

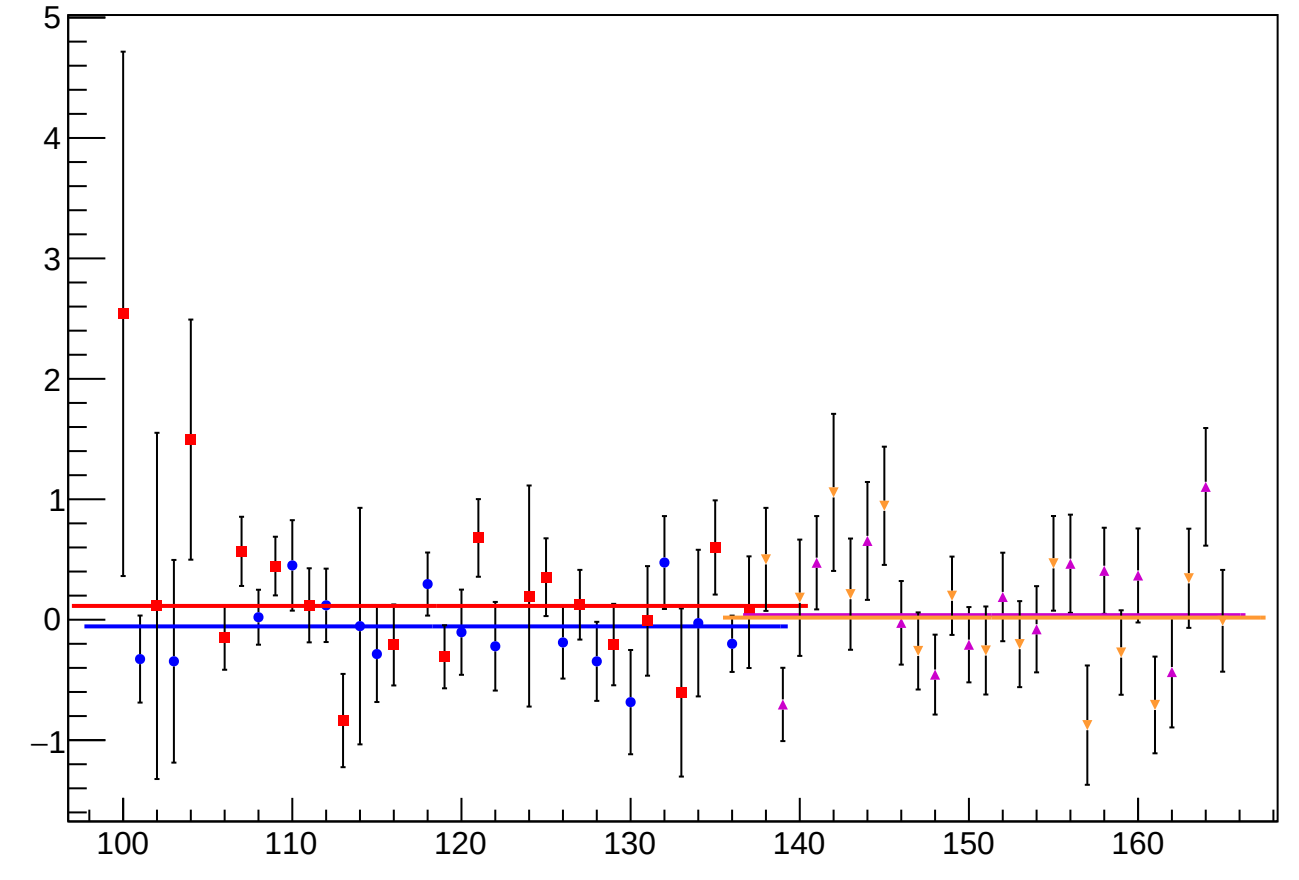
Left: 343.418+/-0.052 χ^2/NDF: 812044.4/27

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.341+/-0.047 χ^2/NDF:3107212.4/28

Out: 260.825+/-0.046 χ^2/NDF:4737179.3/33

All: 262.562+/-0.033 χ^2/NDF: 7847277.6/62



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.018+/-0.104 χ^2/NDF:18.8/14

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.038+/-0.103 χ^2/NDF:20.6/12

Left: 0.028+/-0.073 χ^2/NDF: 39.5/27

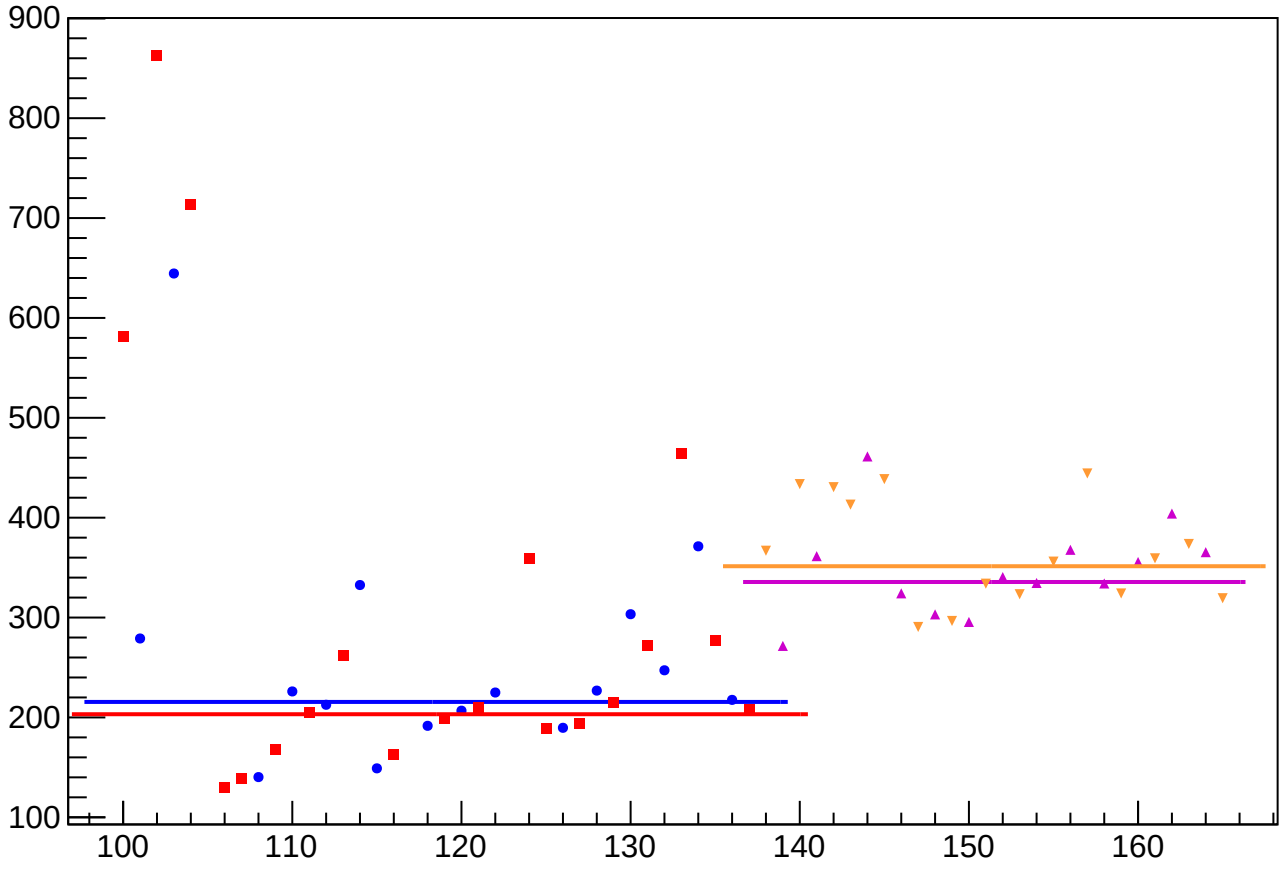
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.018+/-0.066 χ^2/NDF:31.7/28

Out: 0.077+/-0.065 χ^2/NDF:44.6/33

All: 0.030+/-0.046 χ^2/NDF: 77.4/62

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: 351.392+/-0.074 χ^2/NDF:435617.8/14

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

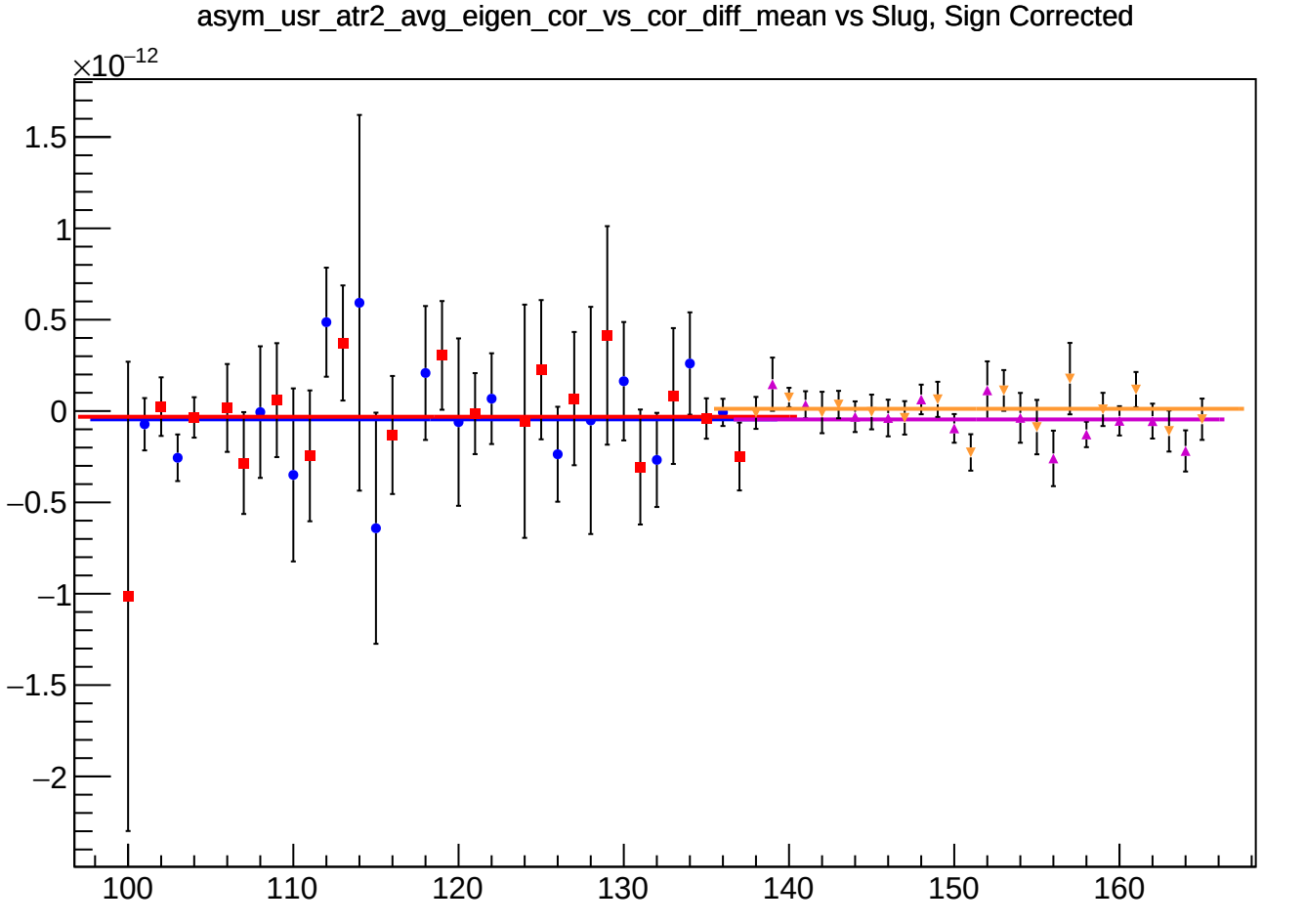
Left: 343.418+/-0.052 χ^2/NDF: 812044.4/27

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.341+/-0.047 χ^2/NDF:3107212.4/28

Out: 260.825+/-0.046 χ^2/NDF:4737179.3/33

All: 262.562+/-0.033 χ^2/NDF: 7847277.6/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/12

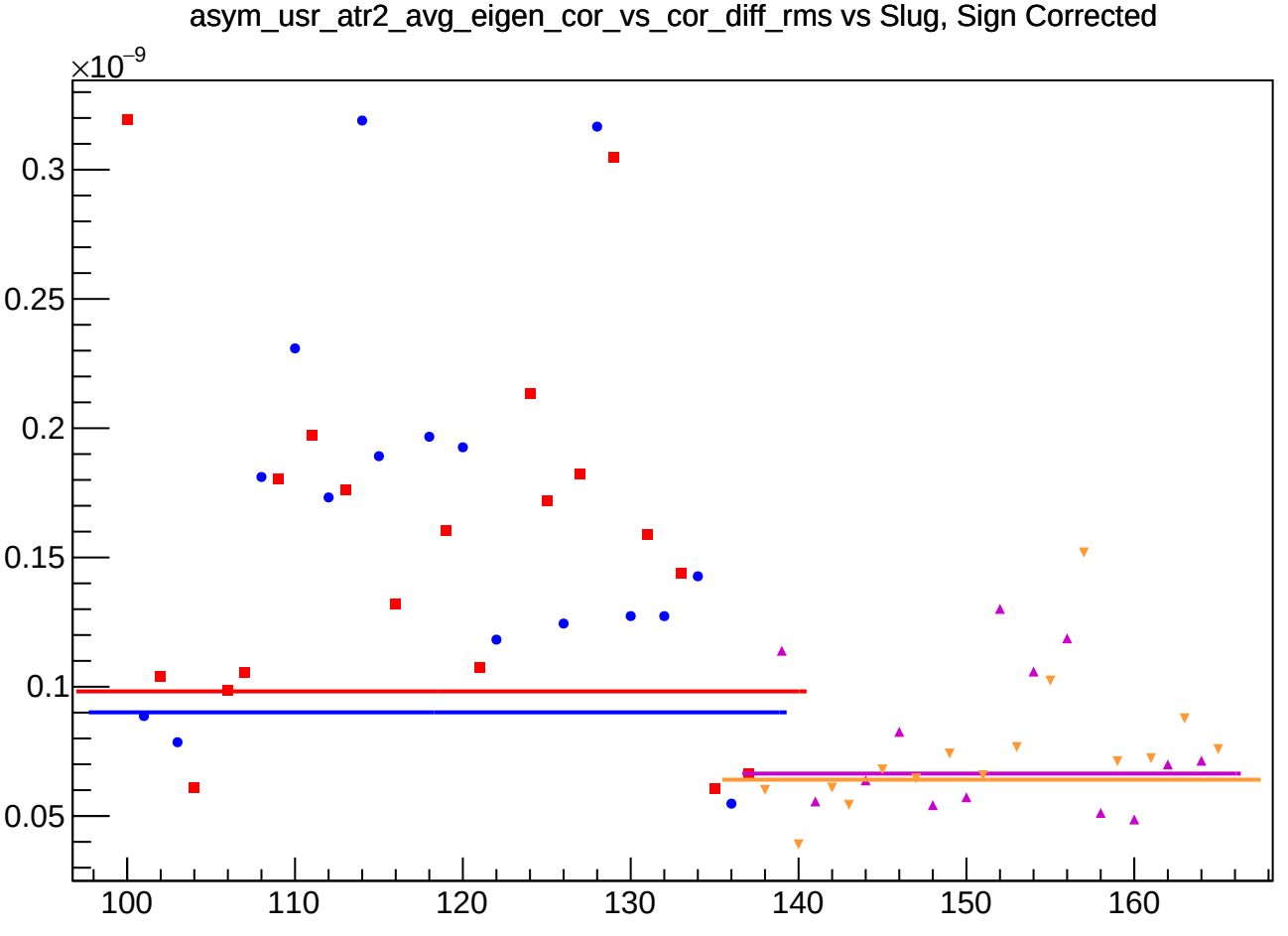
Left: -0.000+/-0.000 χ^2/NDF: 27.1/27

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:23.4/28

Out: 0.000+/-0.000 χ^2/NDF:21.4/33

All: -0.000+/-0.000 χ^2/NDF: 47.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210303.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1308480.0/12

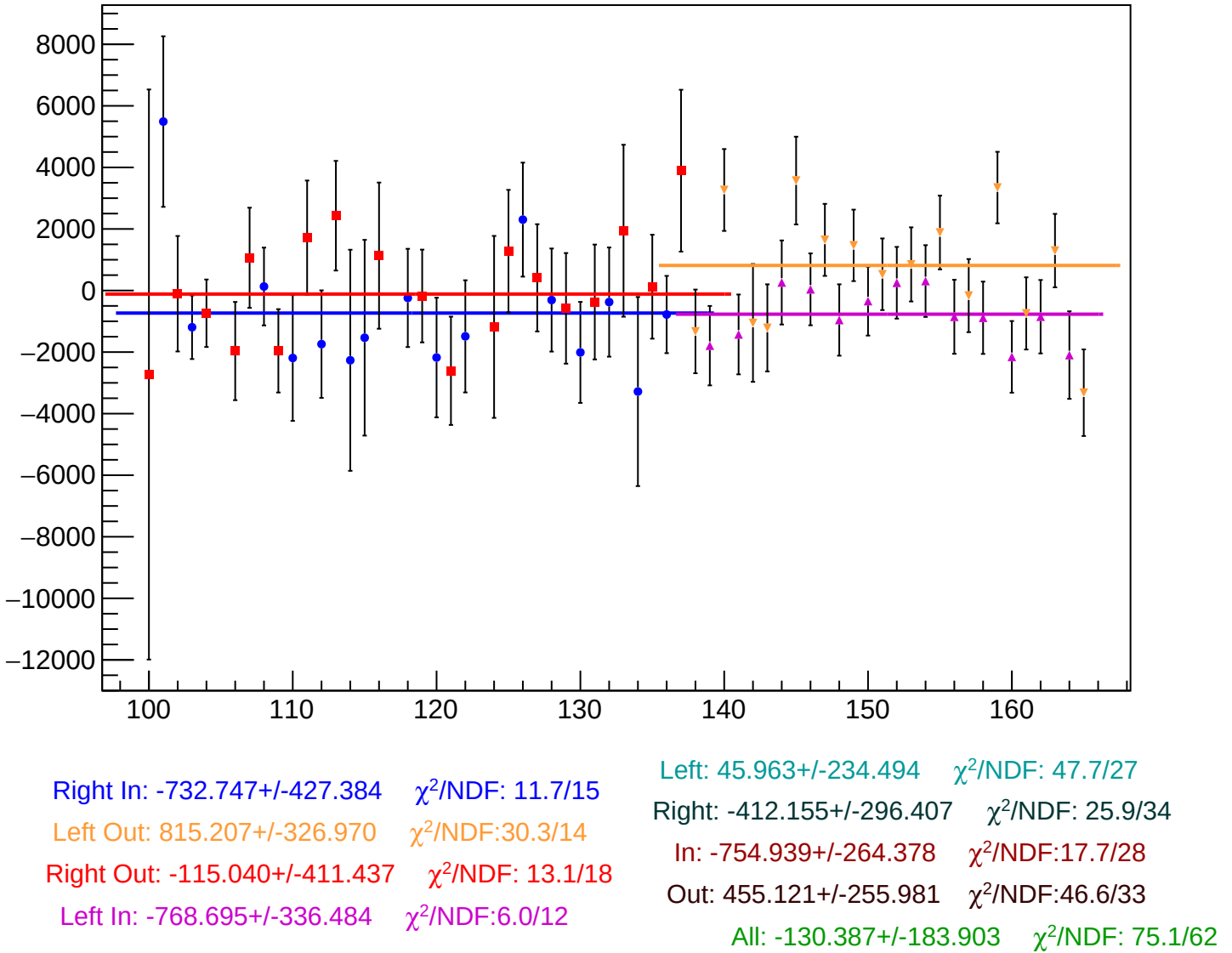
Left: 0.000+/-0.000 χ^2/NDF: 2527593.7/27

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:3469545.1/28

Out: 0.000+/-0.000 χ^2/NDF:3612281.9/33

All: 0.000+/-0.000 χ^2/NDF: 7085676.9/62


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
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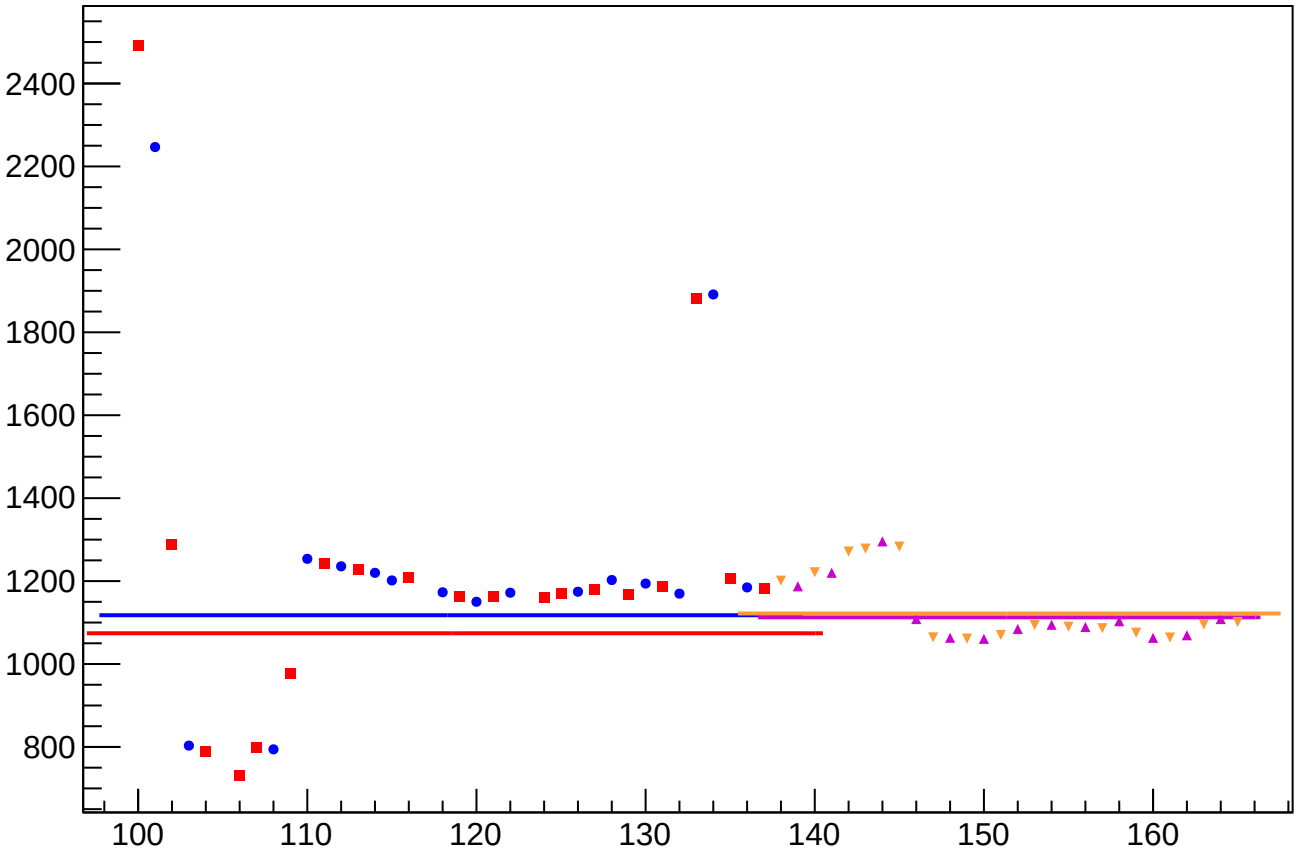
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 815.207+/-326.970 χ²/NDF:30.3/14
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -768.695+/-336.484 χ²/NDF:6.0/12
Left: 45.963+/-234.494 χ²/NDF: 47.7/27
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -754.939+/-264.378 χ²/NDF:17.7/28
Out: 455.121+/-255.981 χ²/NDF:46.6/33
All: -130.387+/-183.903 χ²/NDF: 75.1/62



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

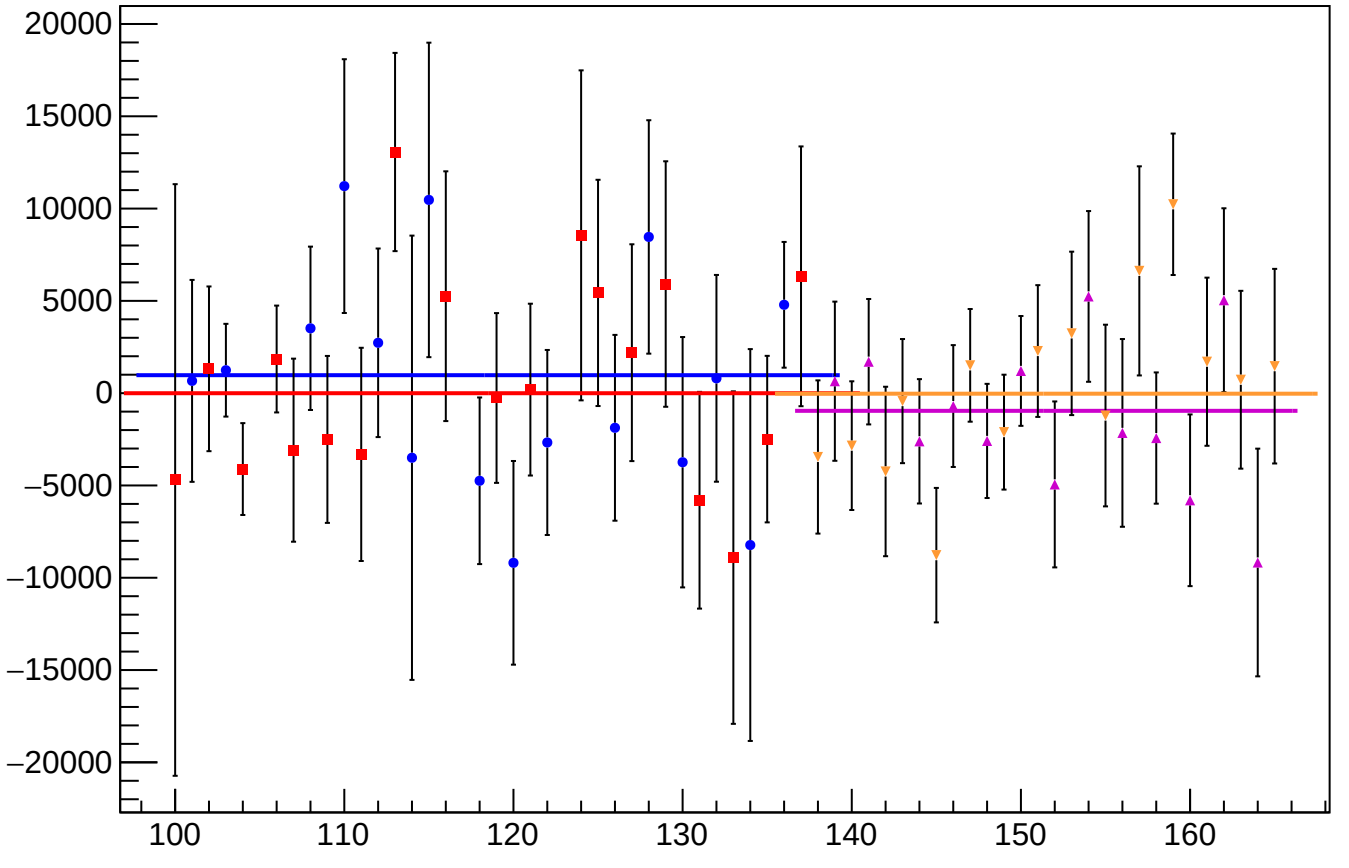
Left: 1117.365+/-0.166 χ^2/NDF: 182083.9/27

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1114.553+/-0.187 χ^2/NDF:893169.5/28

Out: 1103.198+/-0.180 χ^2/NDF:774303.6/33

All: 1108.674+/-0.130 χ^2/NDF: 1669383.2/62



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -28.901+/-1020.867 χ^2/NDF:18.5/14

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -957.131+/-1075.381 χ^2/NDF:8.9/12

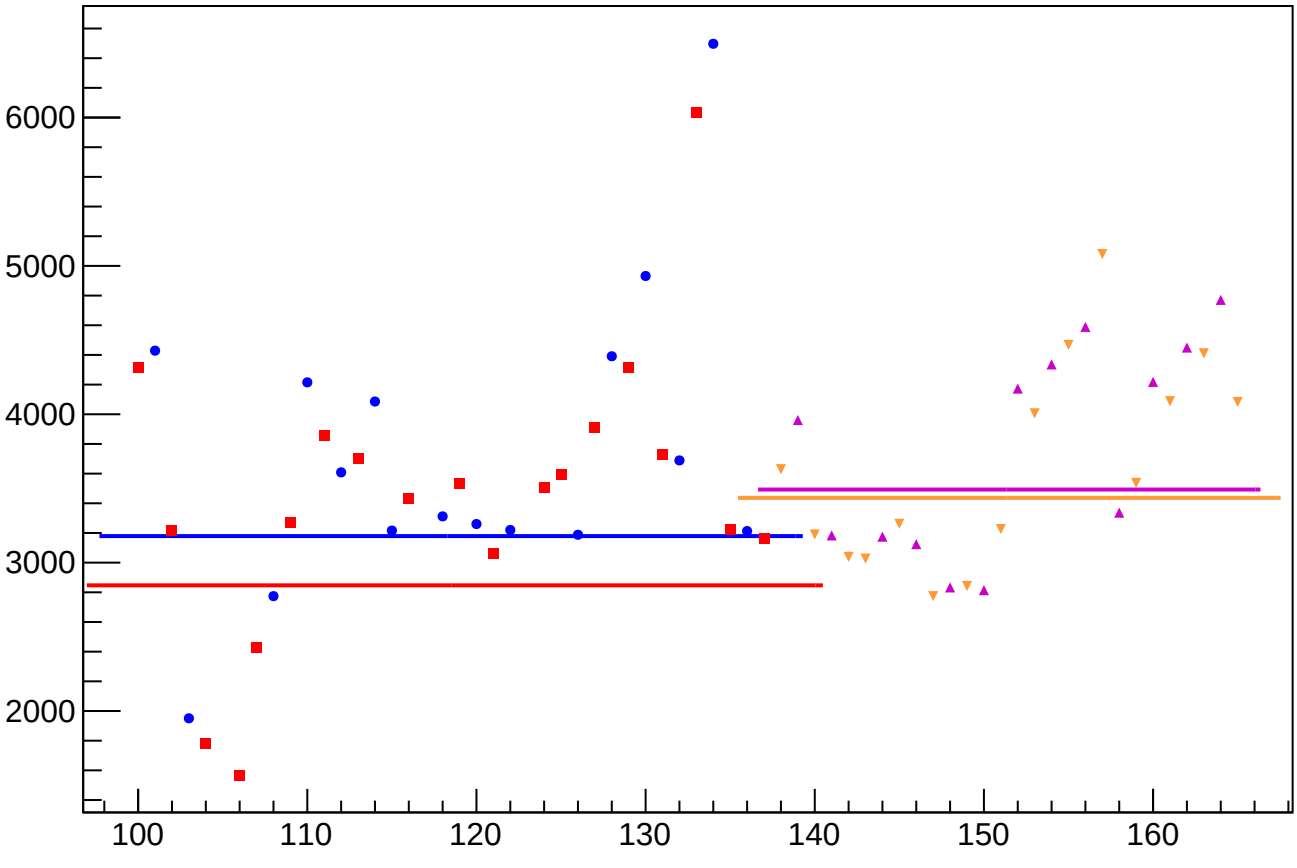
Left: -468.893+/-740.384 χ^2/NDF: 27.8/27

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: -122.730+/-810.374 χ^2/NDF:24.1/28

Out: -17.025+/-752.605 χ^2/NDF:35.0/33

All: -65.976+/-551.465 χ^2/NDF: 59.2/62



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3436.724+/-0.722 χ^2/NDF:681024.4/14

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3492.691+/-0.760 χ^2/NDF:695233.7/12

Left: 3463.253+/-0.524 χ^2/NDF: 1379107.4/27

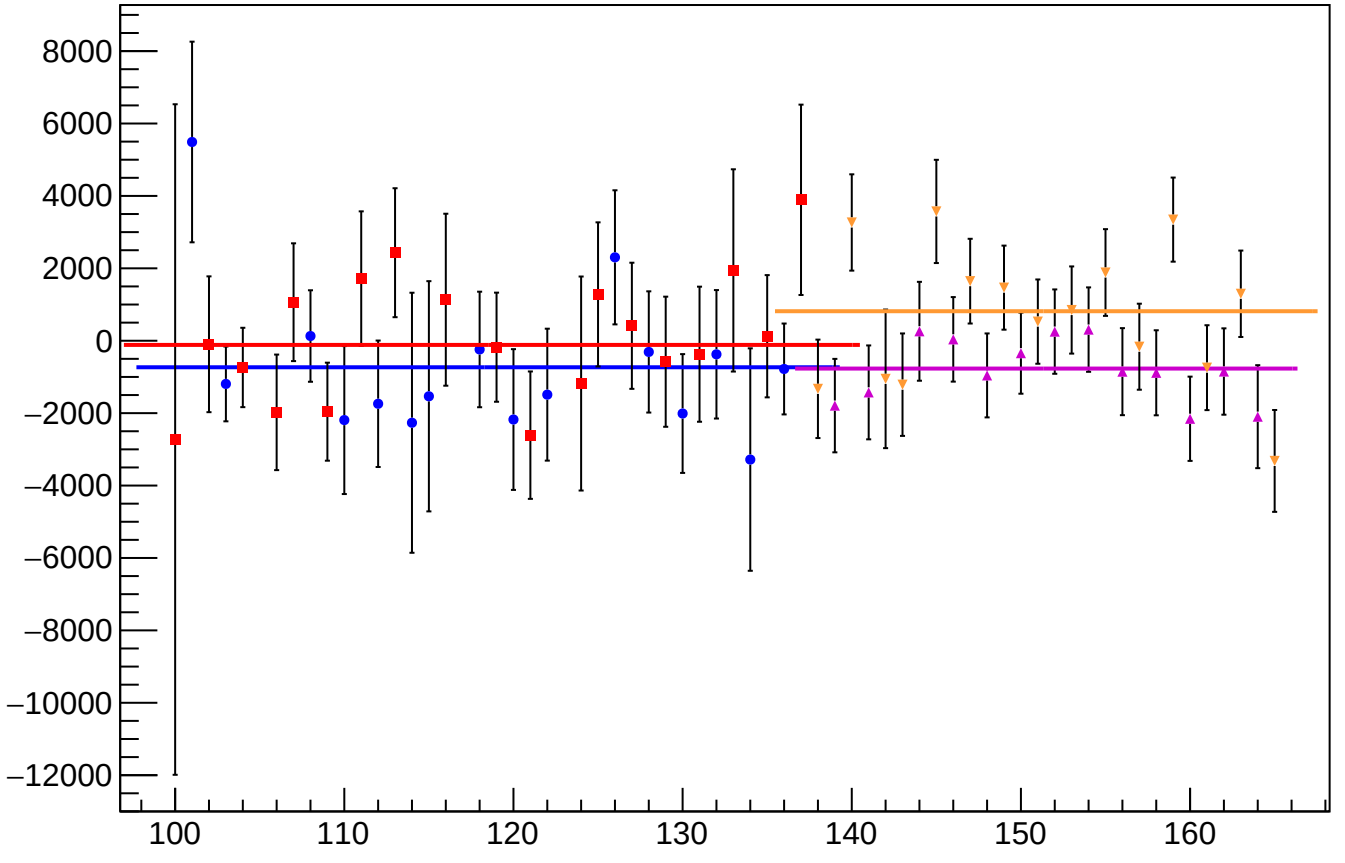
Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3357.078+/-0.573 χ^2/NDF:1860512.2/28

Out: 3167.520+/-0.532 χ^2/NDF:2496841.6/33

All: 3255.302+/-0.390 χ^2/NDF: 4416109.0/62

cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 815.283+/-326.970 χ^2/NDF:30.3/14

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -768.688+/-336.484 χ^2/NDF:6.0/12

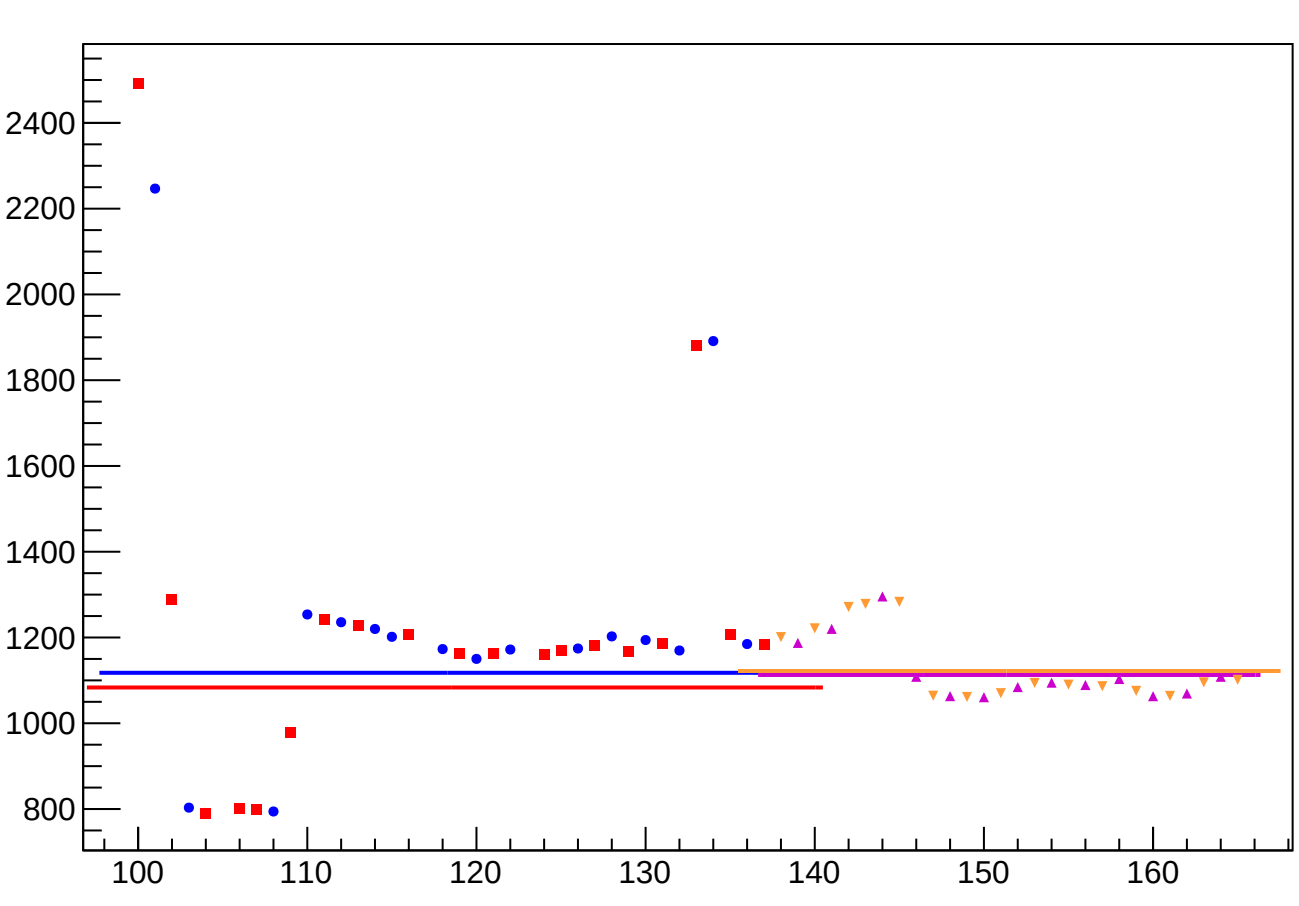
Left: 46.006+/-234.494 χ^2/NDF: 47.7/27

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -754.910+/-264.378 χ^2/NDF:17.7/28

Out: 455.068+/-255.982 χ^2/NDF:46.6/33

All: -130.402+/-183.903 χ^2/NDF: 75.1/62



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

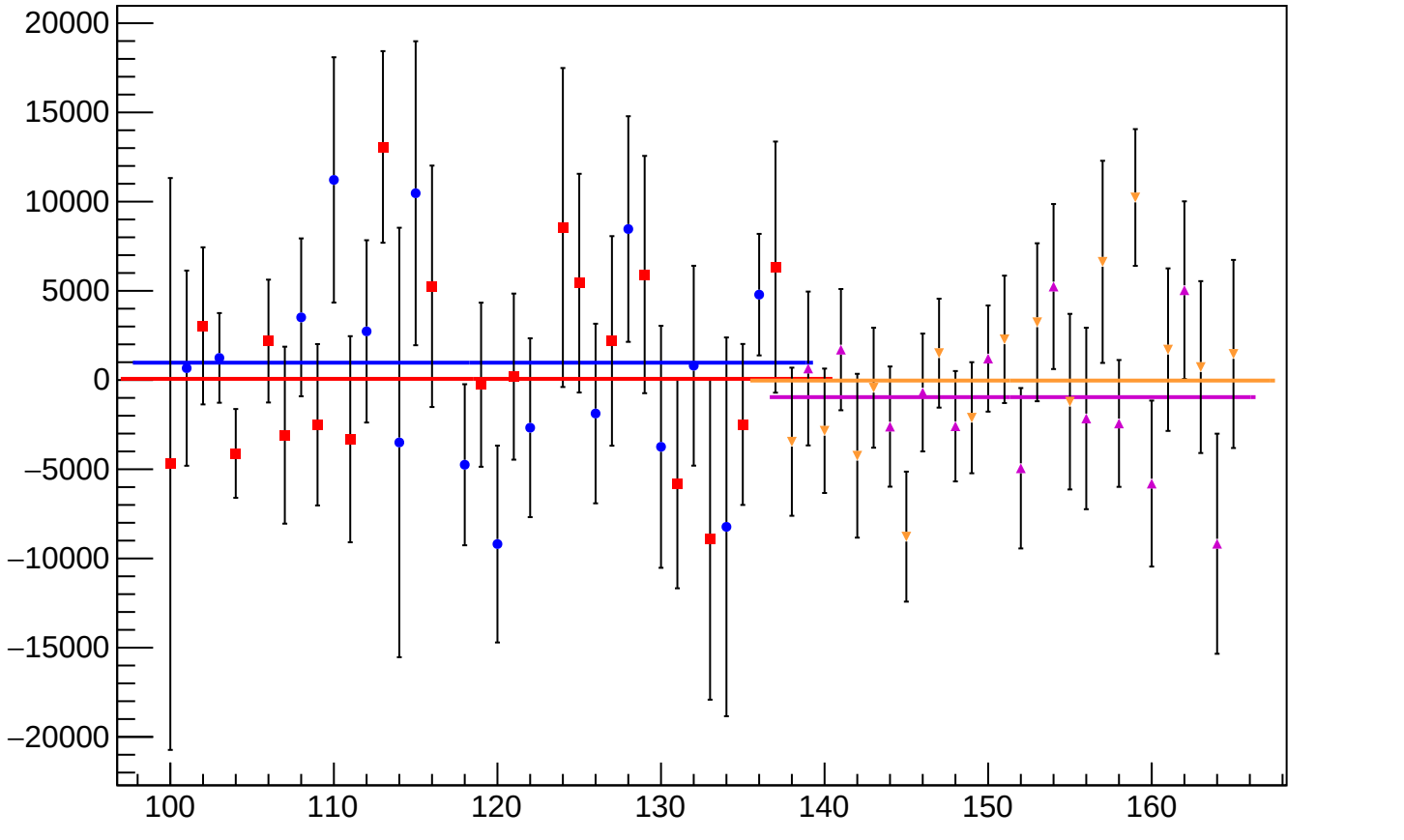
Left: 1117.365+/-0.166 χ^2/NDF: 182083.9/27

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1114.553+/-0.187 χ^2/NDF:893166.1/28

Out: 1106.941+/-0.181 χ^2/NDF:713884.6/33

All: 1110.622+/-0.130 χ^2/NDF: 1607907.1/62



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -28.924+/-1020.865 χ^2/NDF:18.5/14

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -957.144+/-1075.381 χ^2/NDF:8.9/12

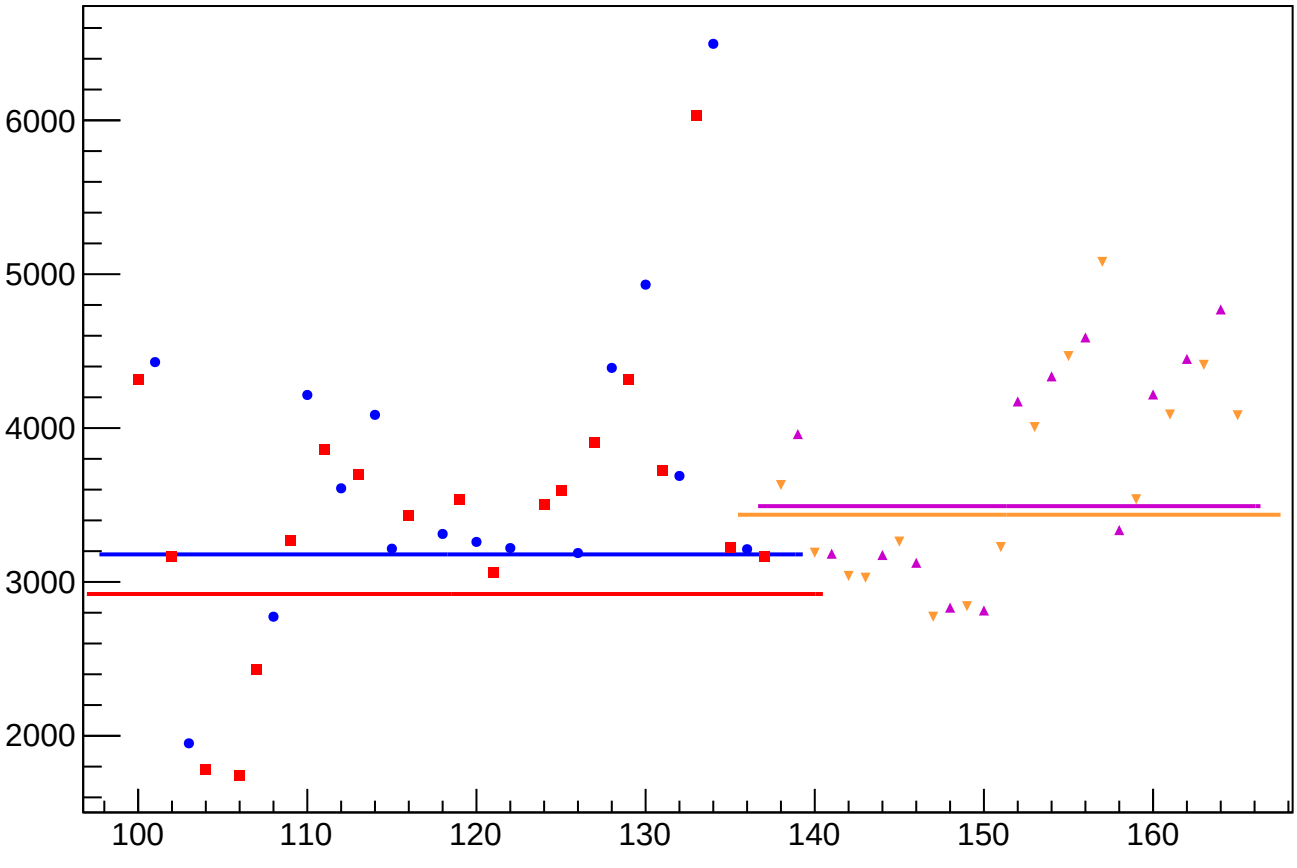
Left: -468.911+/-740.383 χ^2/NDF: 27.8/27

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -122.991+/-810.388 χ^2/NDF:24.1/28

Out: 13.904+/-759.877 χ^2/NDF:35.4/33

All: -50.145+/-554.311 χ^2/NDF: 59.6/62



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3436.719+/-0.722 χ^2/NDF:681026.1/14

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

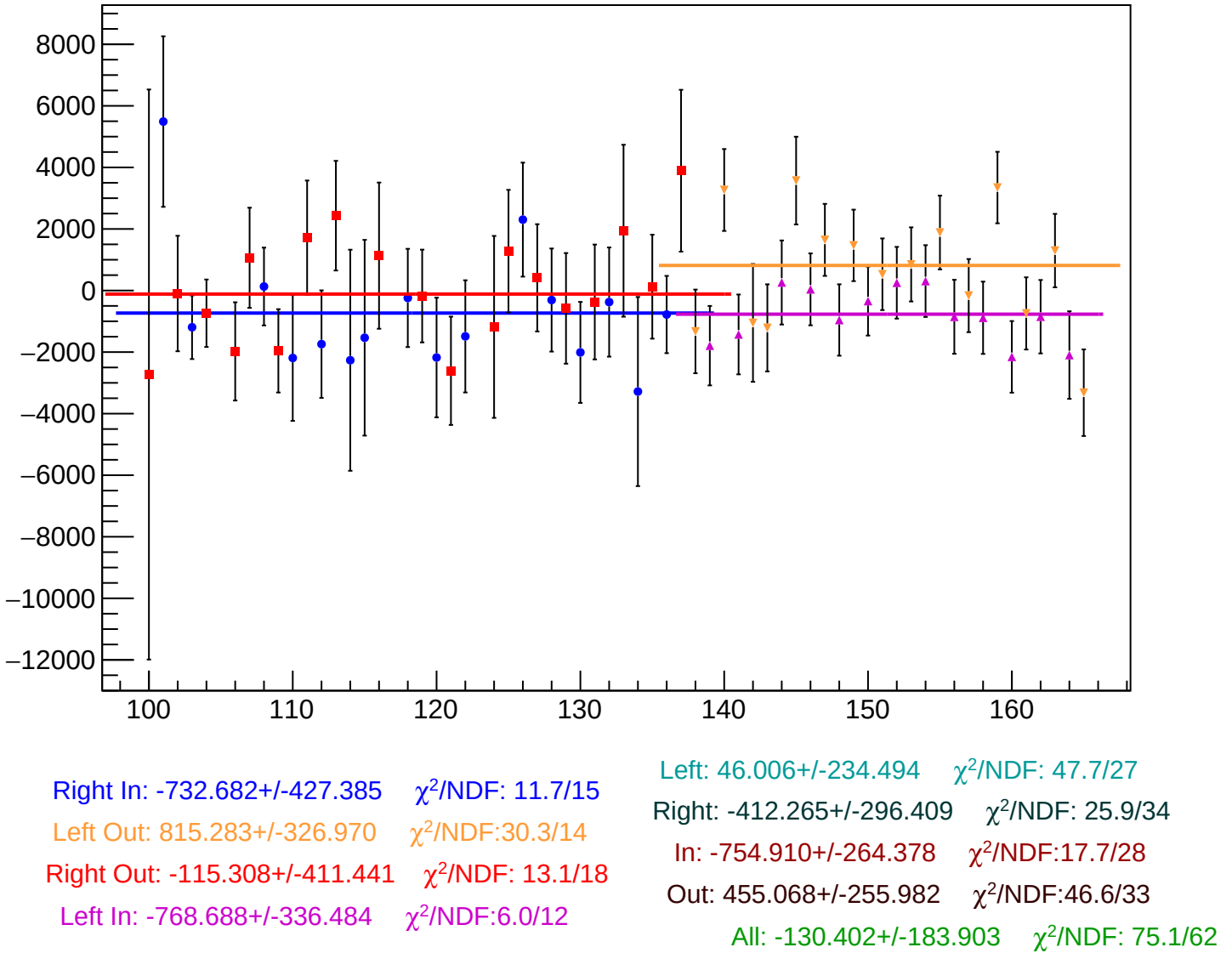
Left: 3463.250+/-0.524 χ^2/NDF: 1379113.1/27

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3357.164+/-0.573 χ^2/NDF:1859985.5/28

Out: 3207.021+/-0.537 χ^2/NDF:2220967.6/33

All: 3277.268+/-0.392 χ^2/NDF: 4117485.3/62


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
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2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
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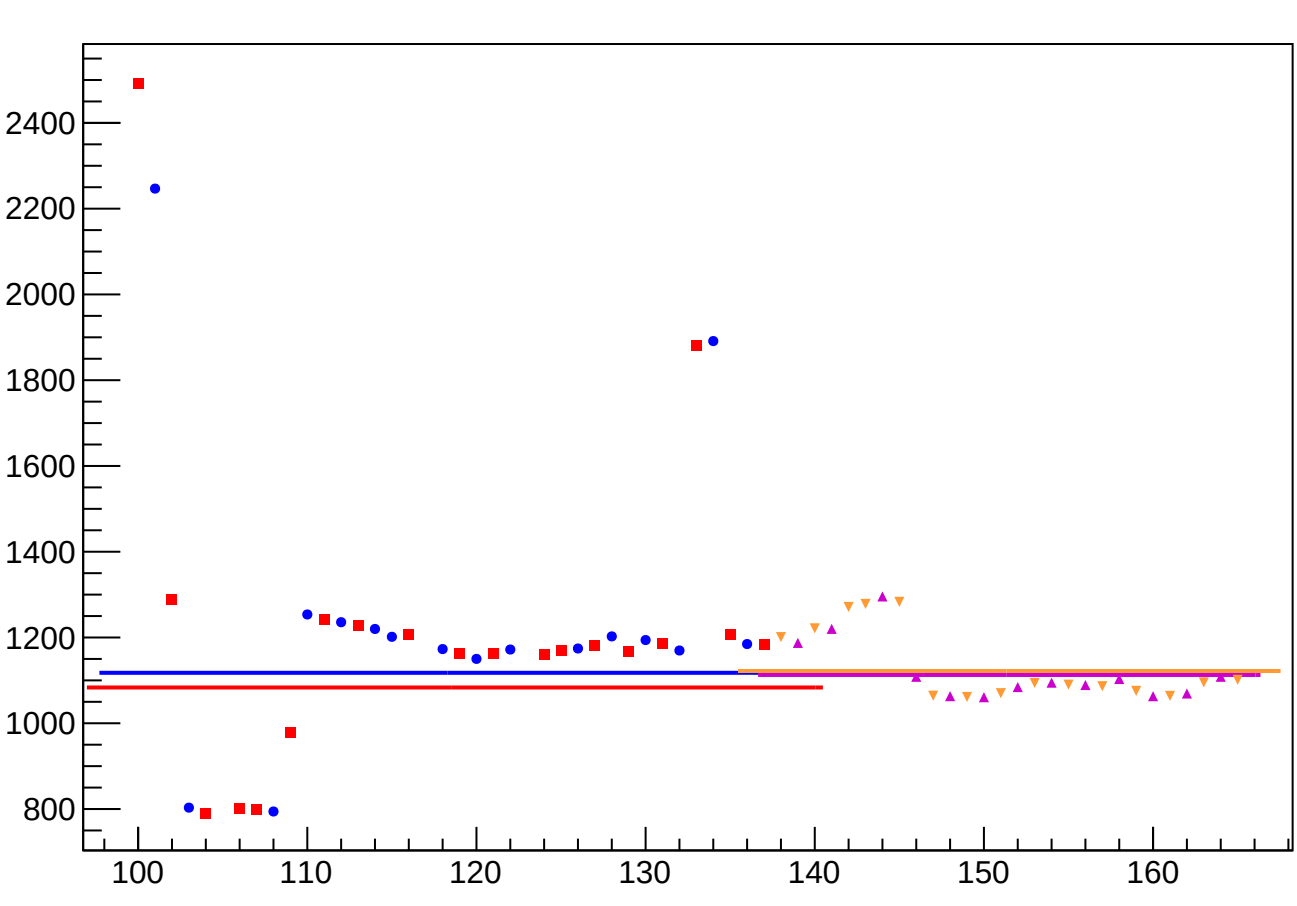
140
150
160
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 815.283+/-326.970 χ²/NDF:30.3/14
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -768.688+/-336.484 χ²/NDF:6.0/12
Left: 46.006+/-234.494 χ²/NDF: 47.7/27
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -754.910+/-264.378 χ²/NDF:17.7/28
Out: 455.068+/-255.982 χ²/NDF:46.6/33
All: -130.402+/-183.903 χ²/NDF: 75.1/62



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

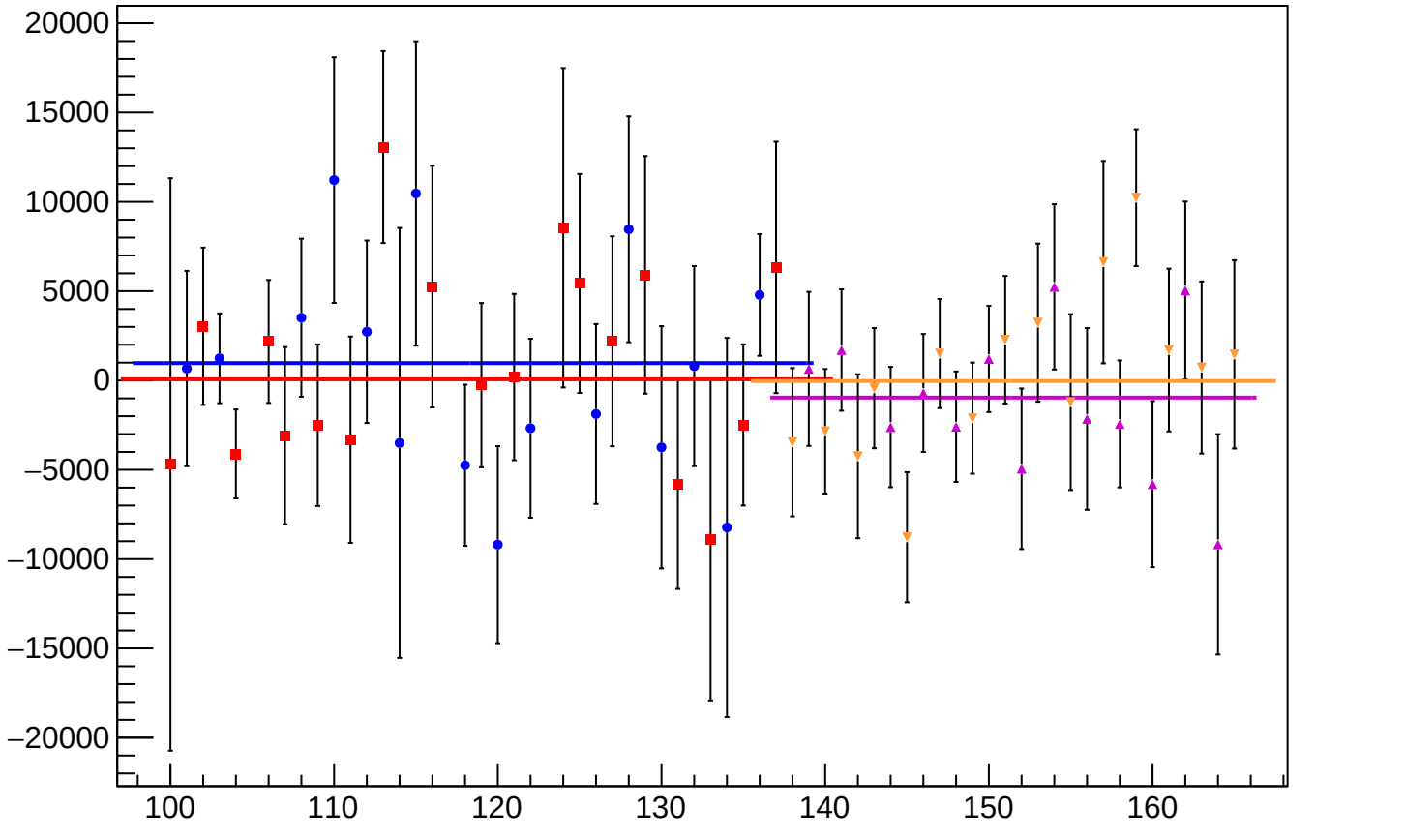
Left: 1117.365+/-0.166 χ^2/NDF: 182083.9/27

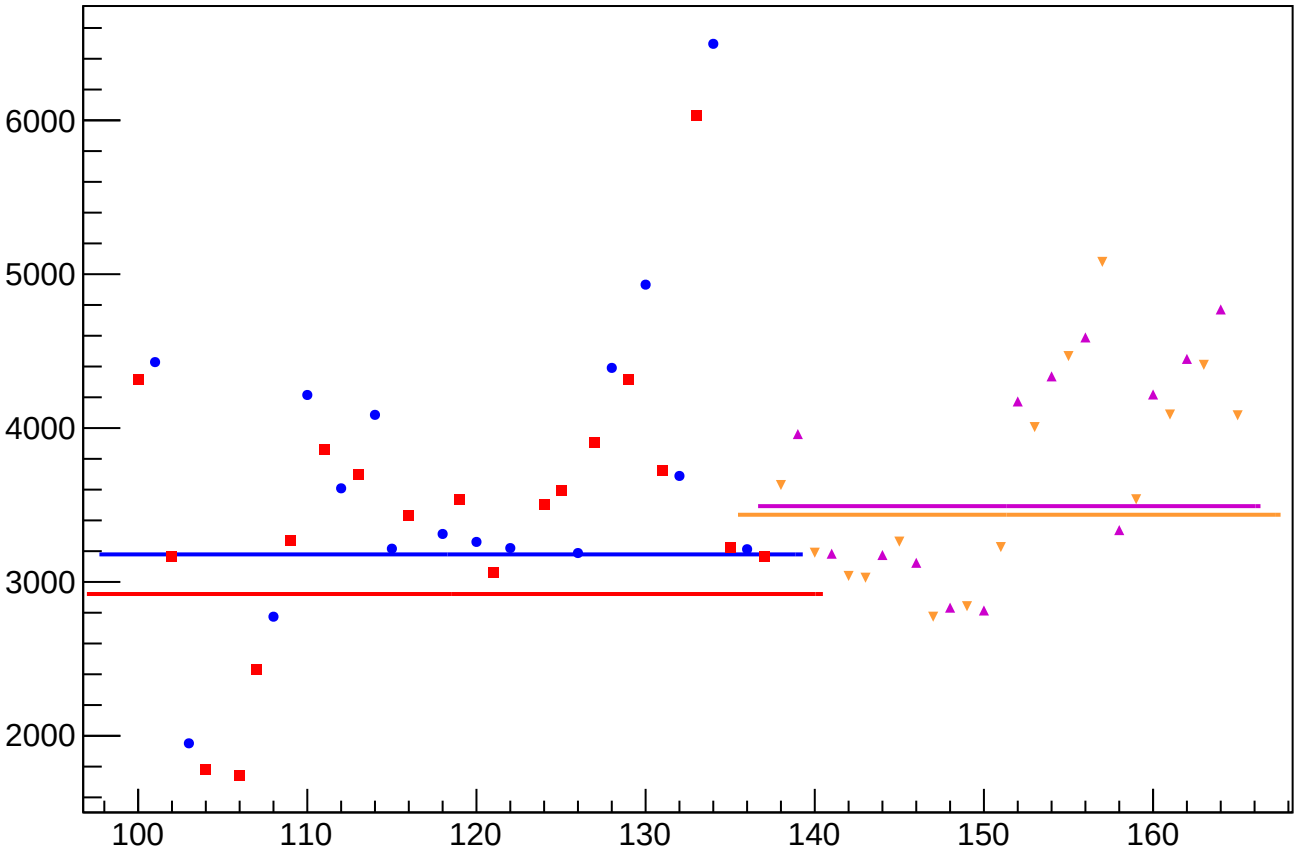
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1114.553+/-0.187 χ^2/NDF:893166.1/28

Out: 1106.941+/-0.181 χ^2/NDF:713884.6/33

All: 1110.622+/-0.130 χ^2/NDF: 1607907.1/62


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -28.924+/-1020.865 χ²/NDF:18.5/14
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -957.144+/-1075.381 χ²/NDF:8.9/12
Left: -468.911+/-740.383 χ²/NDF: 27.8/27
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -122.991+/-810.388 χ²/NDF:24.1/28
Out: 13.904+/-759.877 χ²/NDF:35.4/33
All: -50.145+/-554.311 χ²/NDF: 59.6/62



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3436.719+/-0.722 χ^2/NDF:681026.1/14

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

Left: 3463.250+/-0.524 χ^2/NDF: 1379113.1/27

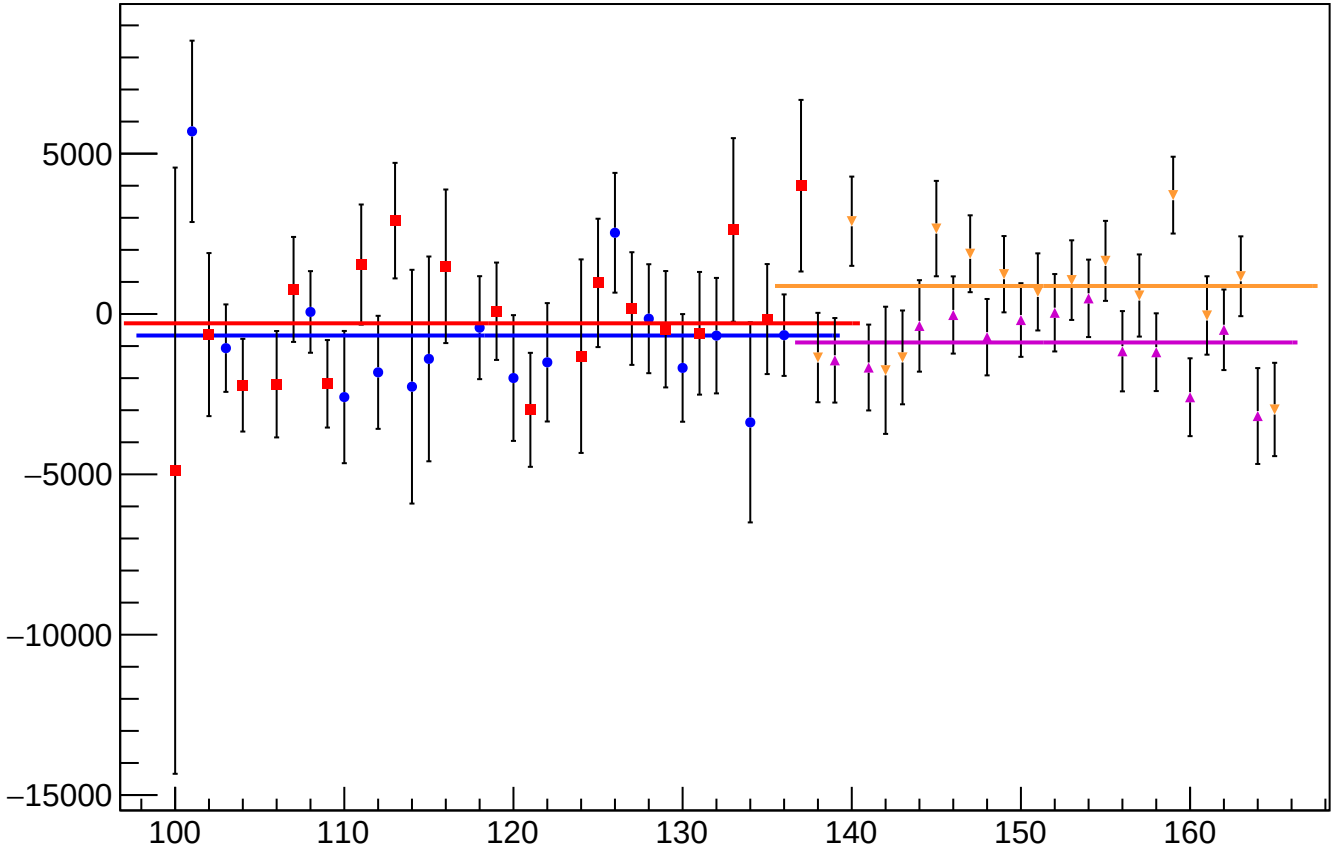
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3357.164+/-0.573 χ^2/NDF:1859985.5/28

Out: 3207.021+/-0.537 χ^2/NDF:2220967.6/33

All: 3277.268+/-0.392 χ^2/NDF: 4117485.3/62

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 873.685+/-339.336 χ^2/NDF:24.7/14

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -887.535+/-348.579 χ^2/NDF:8.0/12

Left: 16.736+/-243.149 χ^2/NDF: 45.8/27

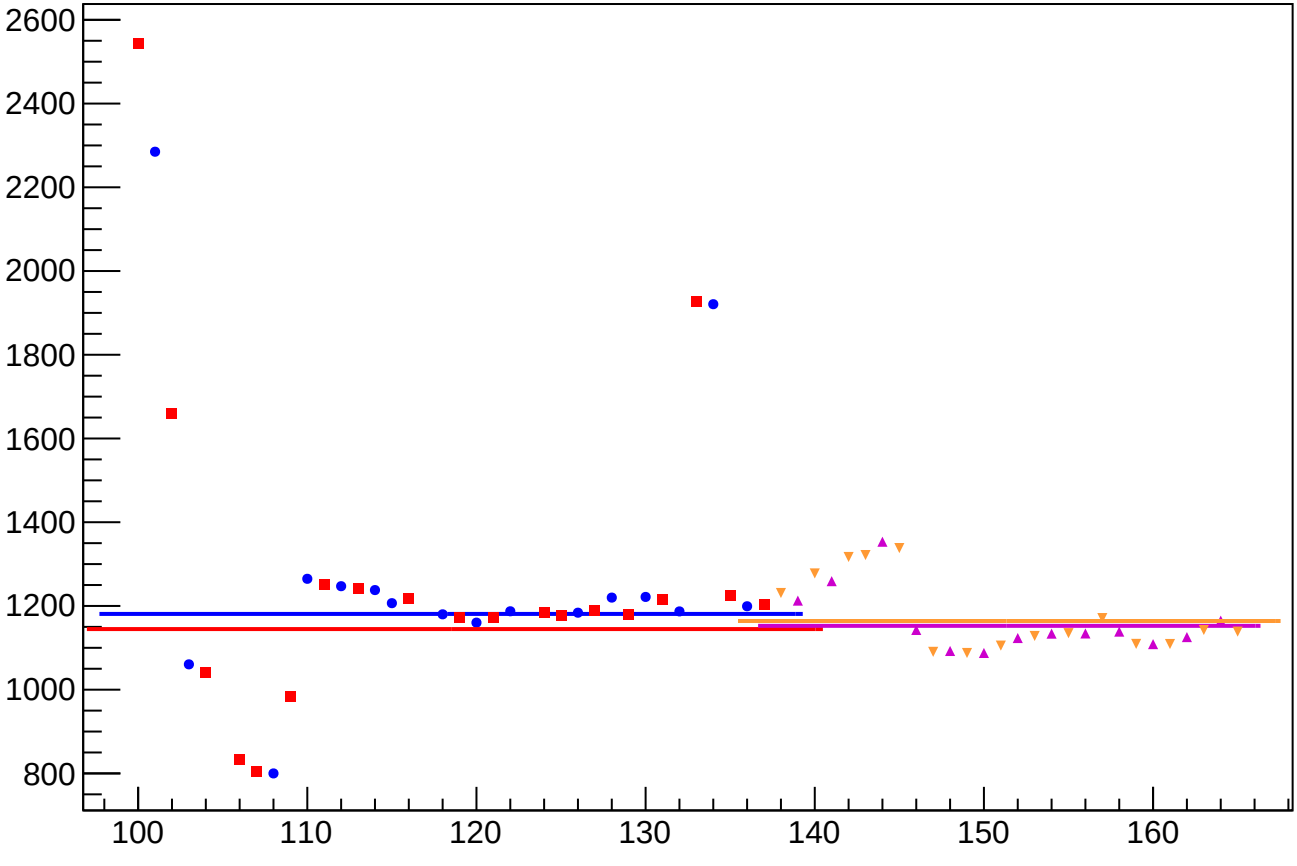
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -805.924+/-275.227 χ^2/NDF:20.0/28

Out: 432.605+/-267.423 χ^2/NDF:46.1/33

All: -168.849+/-191.796 χ^2/NDF: 76.5/62

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1164.053+/-0.240 χ^2/NDF:113264.5/14

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1152.502+/-0.246 χ^2/NDF:74102.0/12

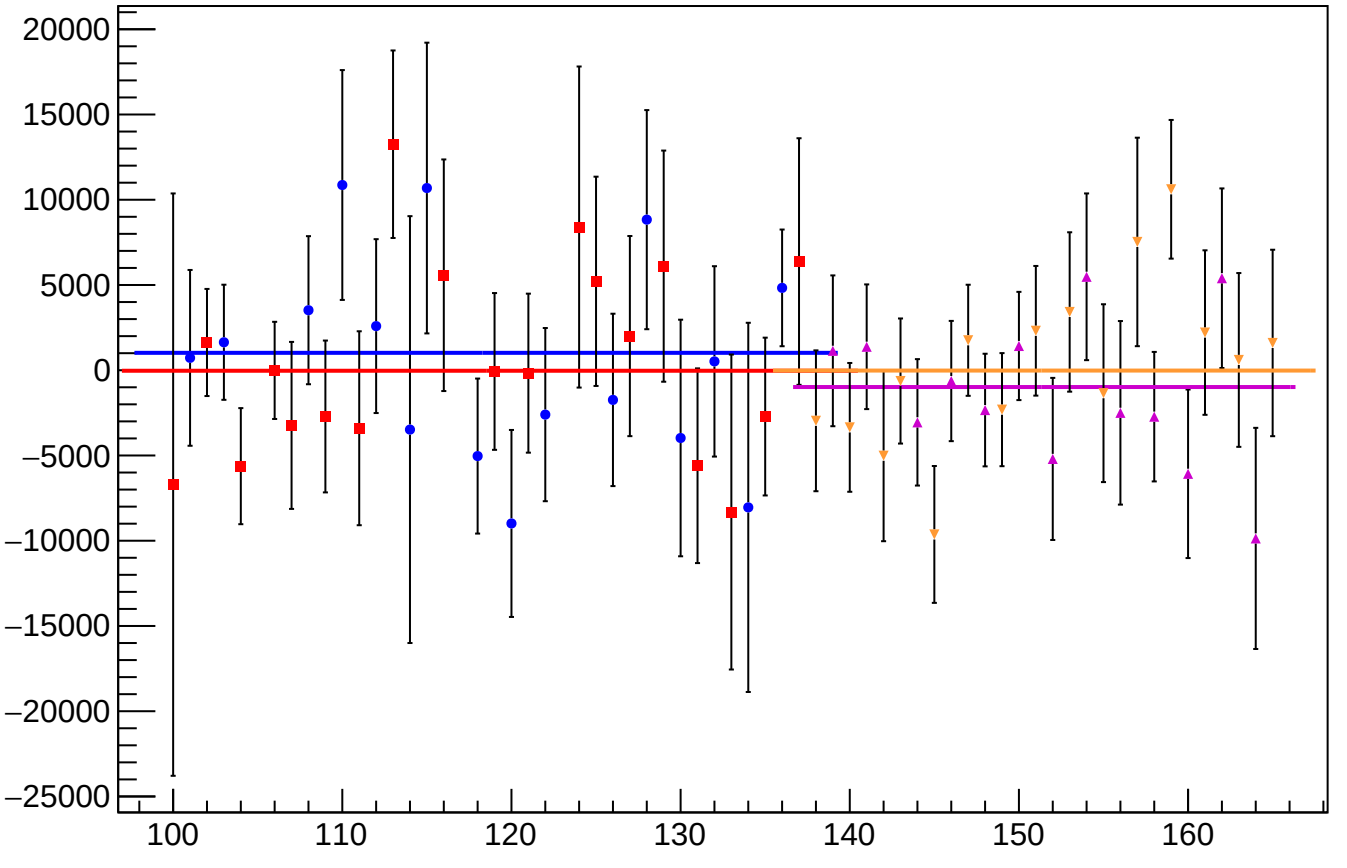
Left: 1158.433+/-0.172 χ^2/NDF: 188494.1/27

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1163.217+/-0.195 χ^2/NDF:700998.8/28

Out: 1156.744+/-0.189 χ^2/NDF:613442.2/33

All: 1159.887+/-0.136 χ^2/NDF: 1315010.1/62



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -18.984+/-1088.655 χ^2/NDF:18.5/14

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -985.046+/-1146.611 χ^2/NDF:8.9/12

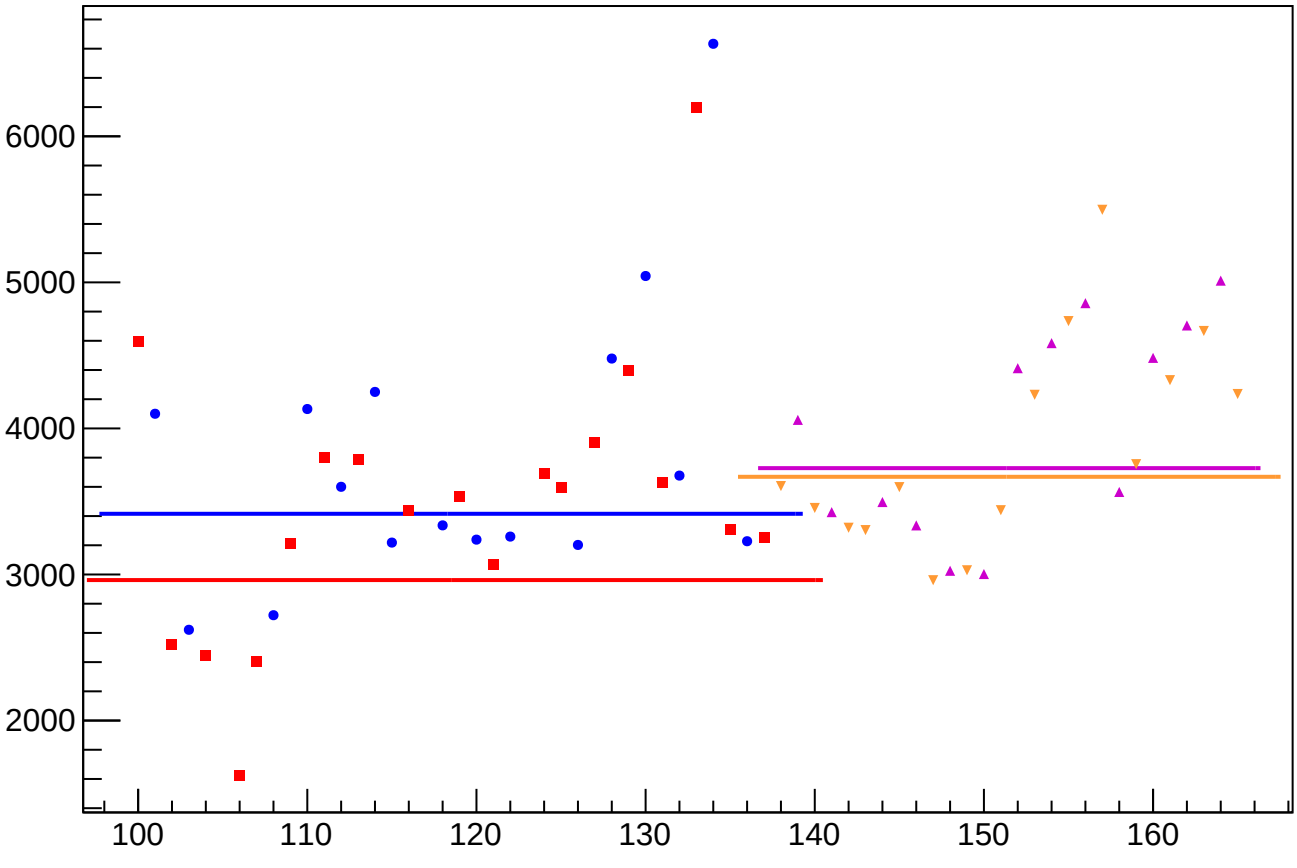
Left: -476.984+/-789.489 χ^2/NDF: 27.8/27

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: -109.122+/-860.622 χ^2/NDF:24.1/28

Out: -24.348+/-784.252 χ^2/NDF:34.6/33

All: -62.808+/-579.673 χ^2/NDF: 58.8/62



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3668.833+/-0.770 χ^2/NDF:641078.6/14

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3728.163+/-0.811 χ^2/NDF:640414.7/12

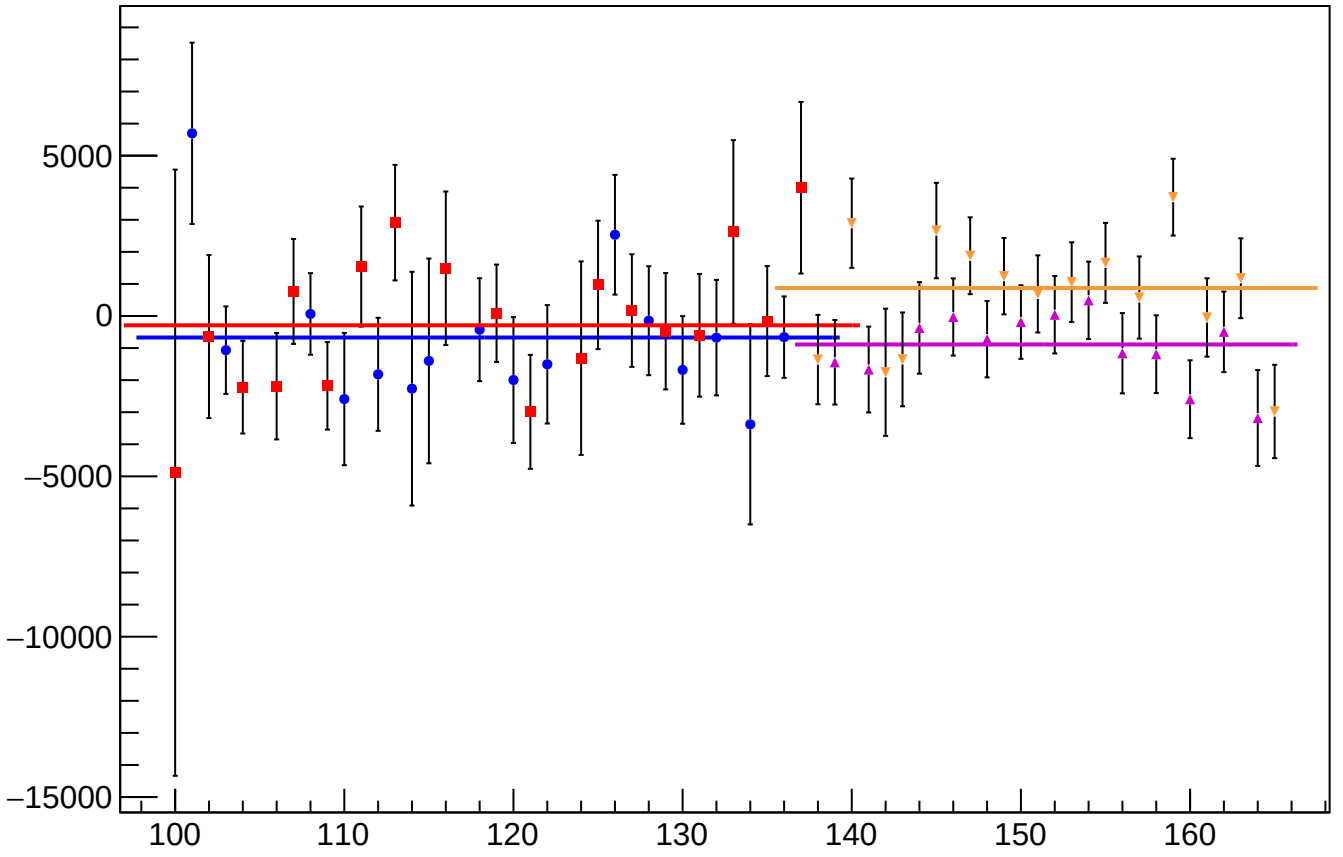
Left: 3696.961+/-0.558 χ^2/NDF: 1284309.5/27

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3591.686+/-0.609 χ^2/NDF:1297652.6/28

Out: 3328.719+/-0.555 χ^2/NDF:2216139.5/33

All: 3448.019+/-0.410 χ^2/NDF: 3615806.6/62



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 873.695+/-339.336 χ^2/NDF:24.7/14

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -887.535+/-348.580 χ^2/NDF:8.0/12

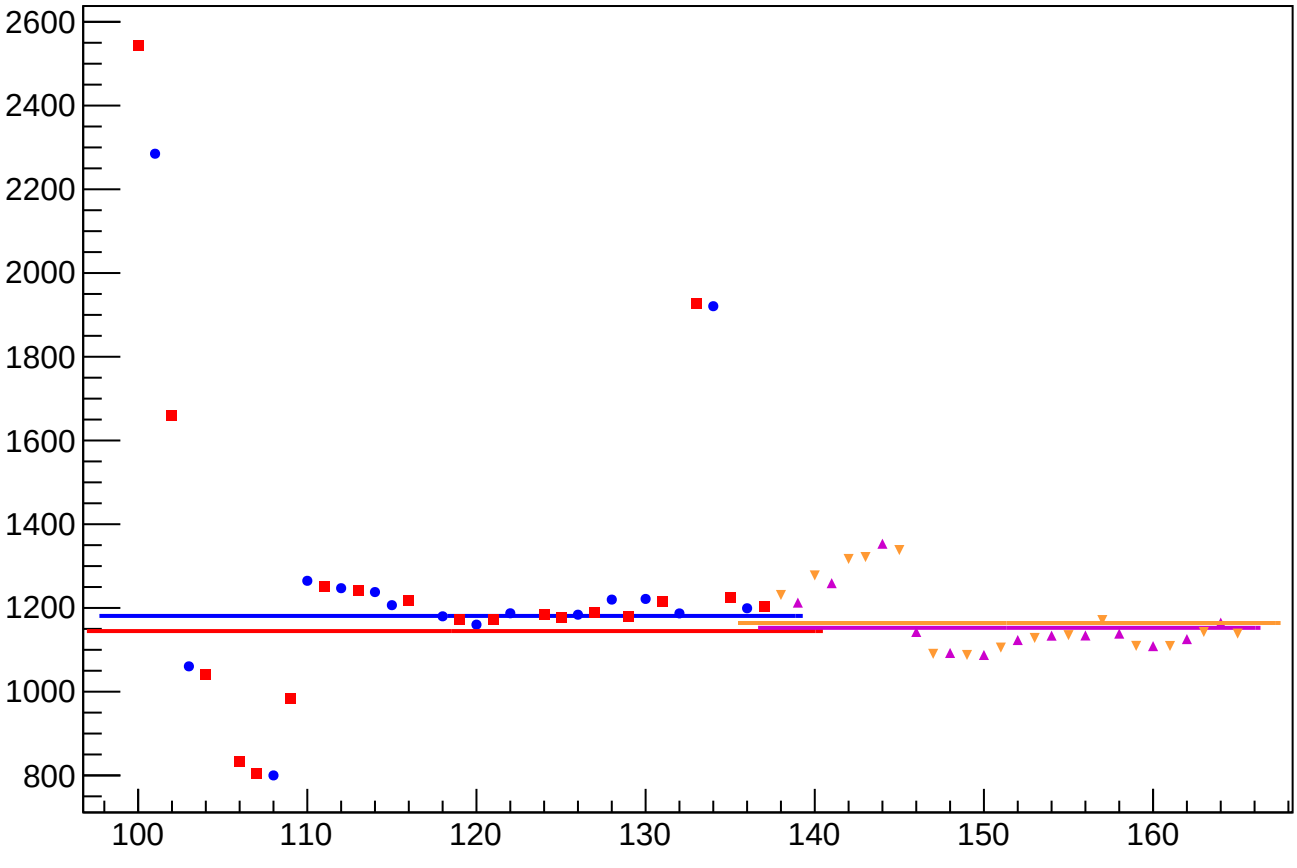
Left: 16.741+/-243.149 χ^2/NDF: 45.8/27

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -805.925+/-275.228 χ^2/NDF:20.0/28

Out: 432.608+/-267.423 χ^2/NDF:46.1/33

All: -168.848+/-191.796 χ^2/NDF: 76.5/62



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1164.054+/-0.240 χ^2/NDF:113264.1/14

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1152.503+/-0.246 χ^2/NDF:74101.5/12

Left: 1158.434+/-0.172 χ^2/NDF: 188493.1/27

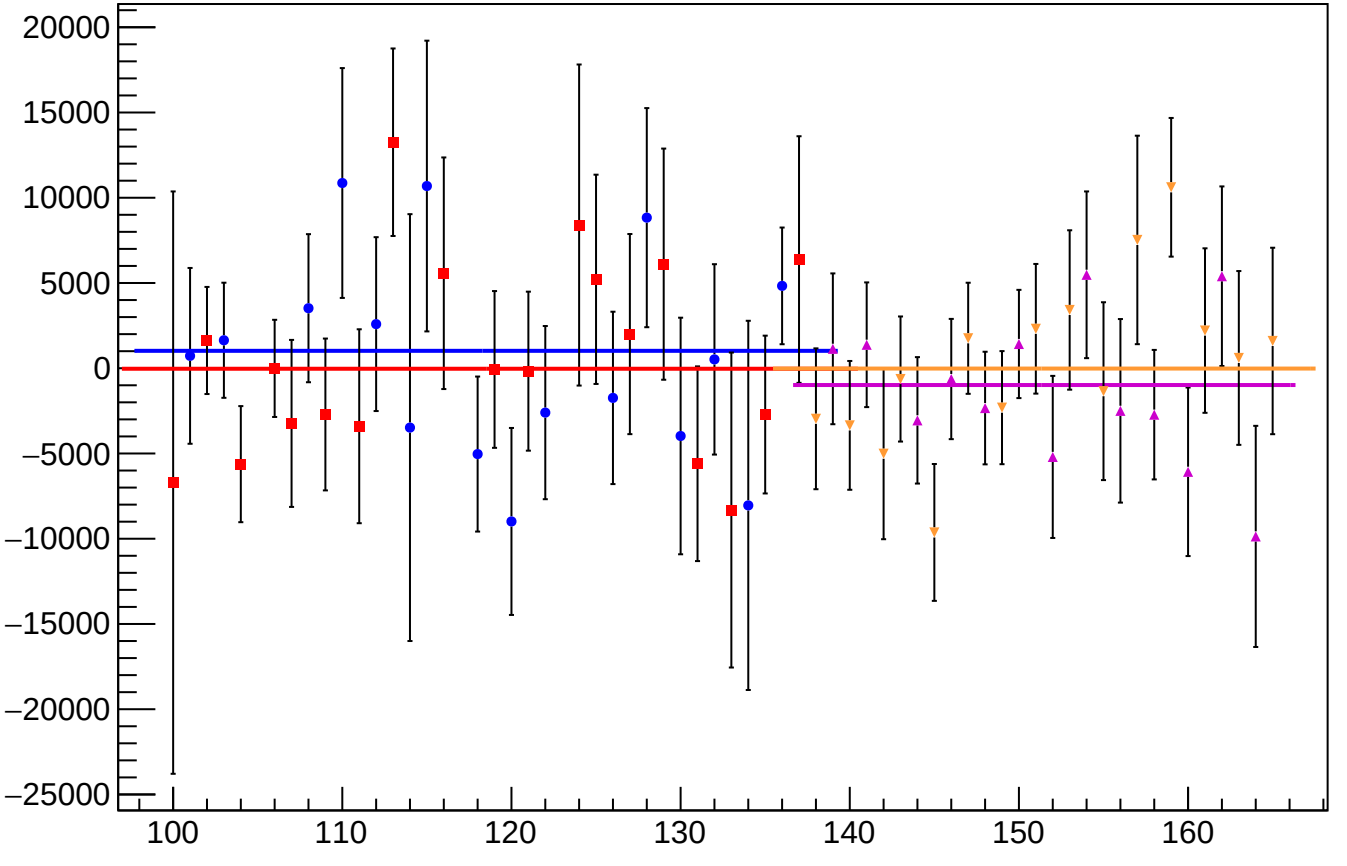
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1163.218+/-0.195 χ^2/NDF:700998.2/28

Out: 1156.745+/-0.189 χ^2/NDF:613441.5/33

All: 1159.888+/-0.136 χ^2/NDF: 1315008.8/62

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: -18.981+/-1088.656 χ^2/NDF:18.5/14

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -985.042+/-1146.613 χ^2/NDF:8.9/12

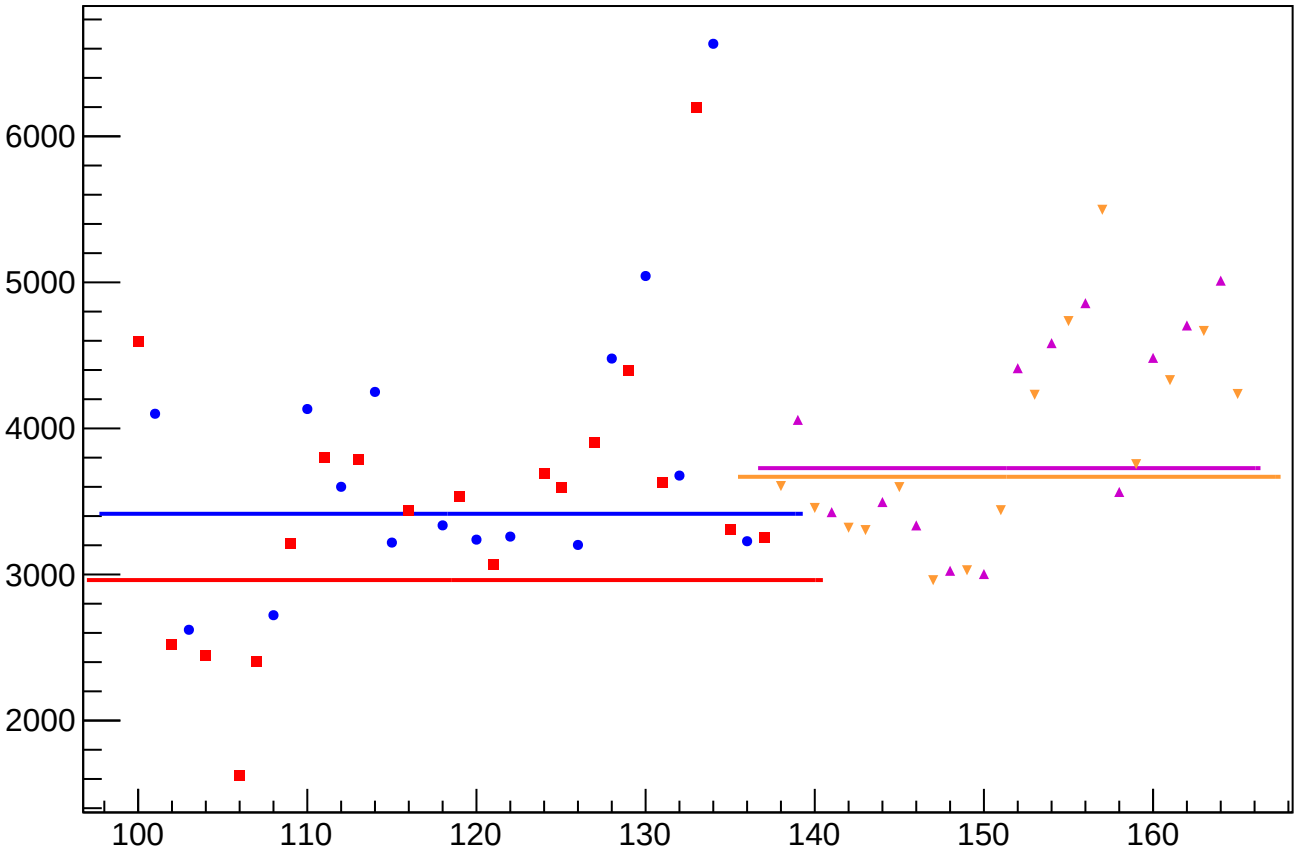
Left: -476.981+/-789.490 χ^2/NDF: 27.8/27

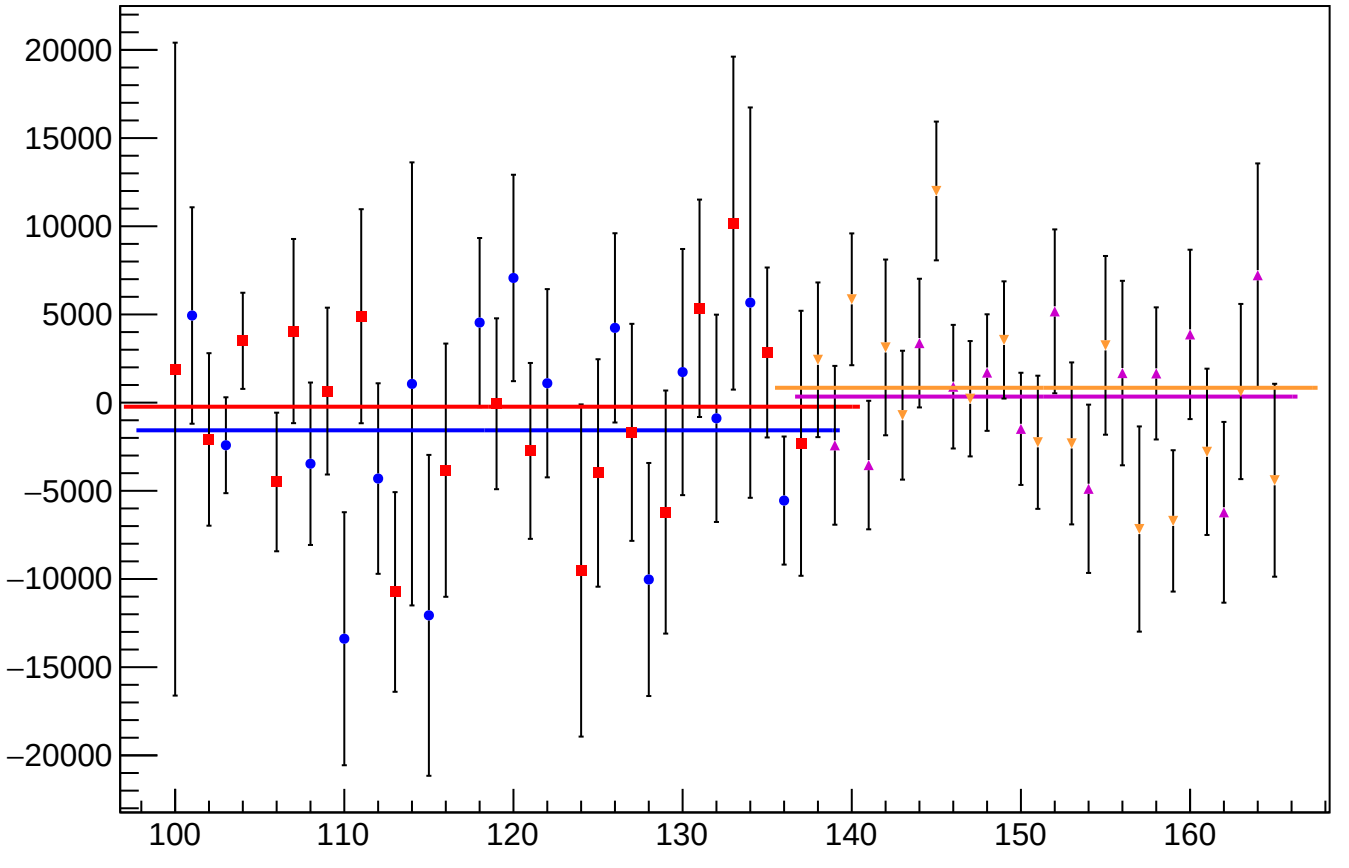
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: -109.125+/-860.622 χ^2/NDF:24.1/28

Out: -24.350+/-784.252 χ^2/NDF:34.6/33

All: -62.810+/-579.673 χ^2/NDF: 58.8/62


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3668.839+/-0.770 χ²/NDF:641078.6/14
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3728.168+/-0.811 χ²/NDF:640414.0/12
Left: 3696.966+/-0.558 χ²/NDF: 1284308.7/27
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3591.687+/-0.609 χ²/NDF:1297650.3/28
Out: 3328.718+/-0.555 χ²/NDF:2216150.9/33
All: 3448.019+/-0.410 χ²/NDF: 3615817.0/62



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 841.896+/-1081.632 χ^2/NDF:19.4/14

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 342.175+/-1135.159 χ^2/NDF:8.6/12

Left: 604.095+/-783.069 χ^2/NDF: 28.1/27

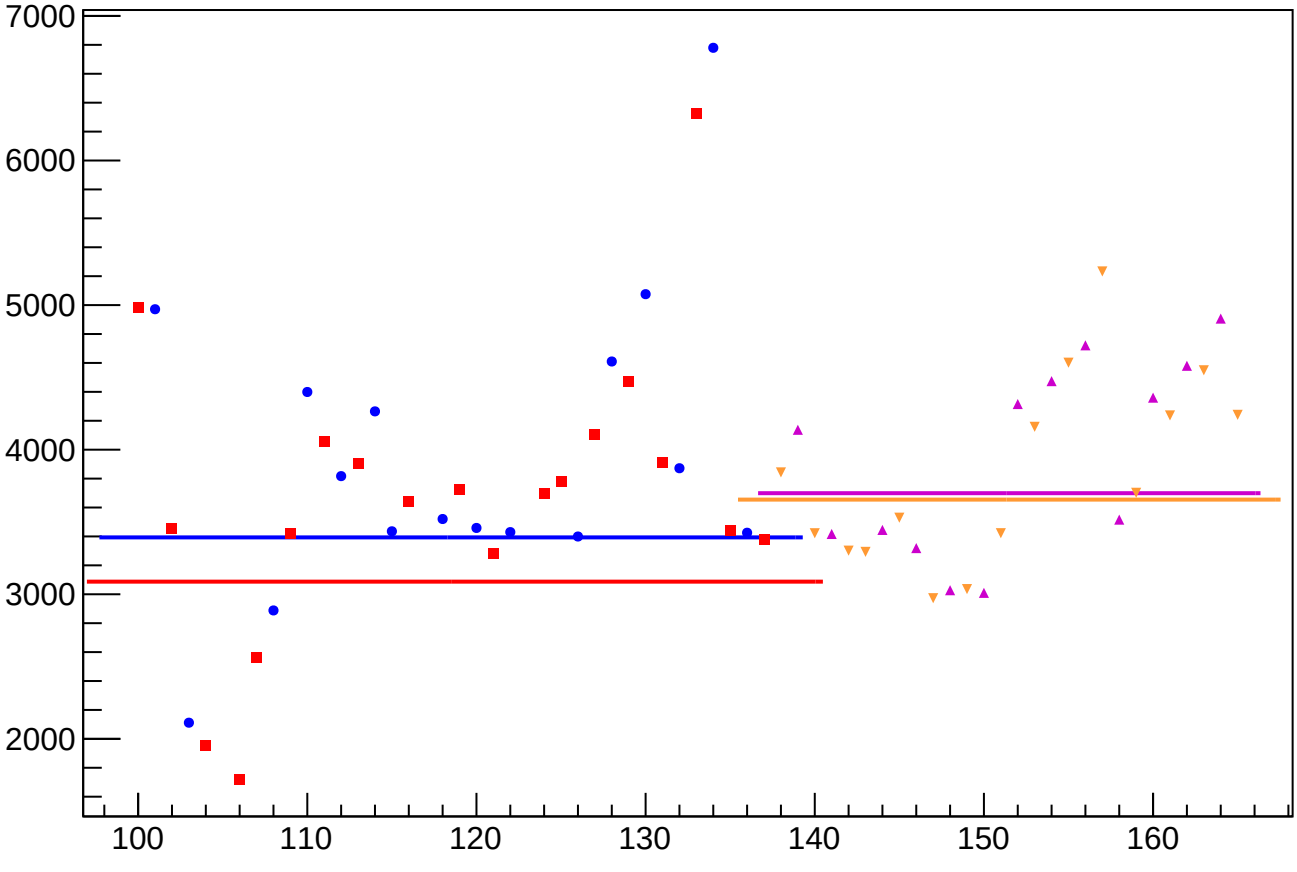
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -475.699+/-858.707 χ^2/NDF:24.2/28

Out: 371.528+/-810.605 χ^2/NDF:33.1/33

All: -27.693+/-589.456 χ^2/NDF: 57.8/62

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3654.700+/-0.765 χ^2/NDF:566668.8/14

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3699.114+/-0.803 χ^2/NDF:579358.9/12

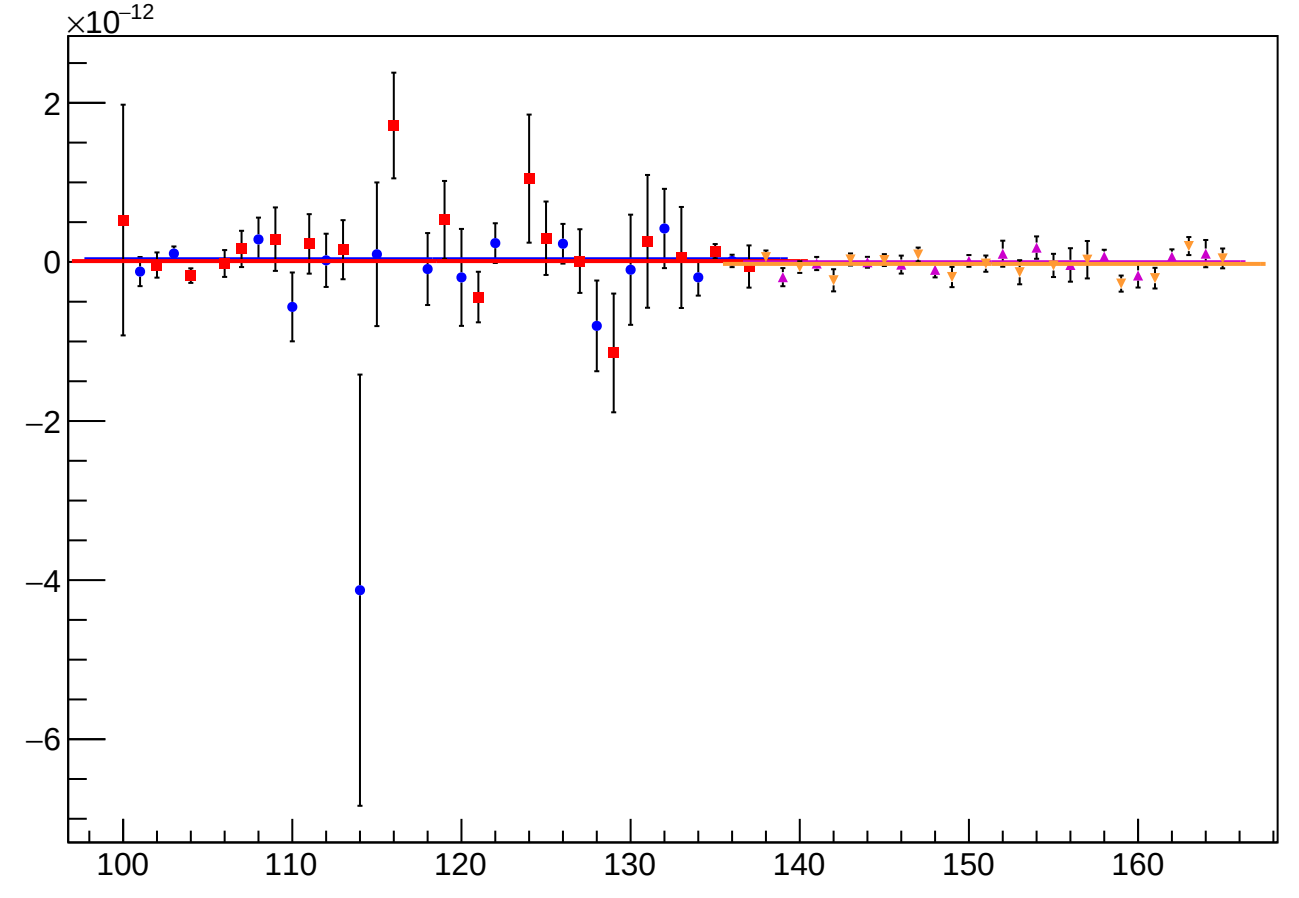
Left: 3675.835+/-0.554 χ^2/NDF: 1147632.5/27

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3568.326+/-0.607 χ^2/NDF:1690132.0/28

Out: 3401.249+/-0.569 χ^2/NDF:2140861.7/33

All: 3479.355+/-0.415 χ^2/NDF: 3871312.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/12

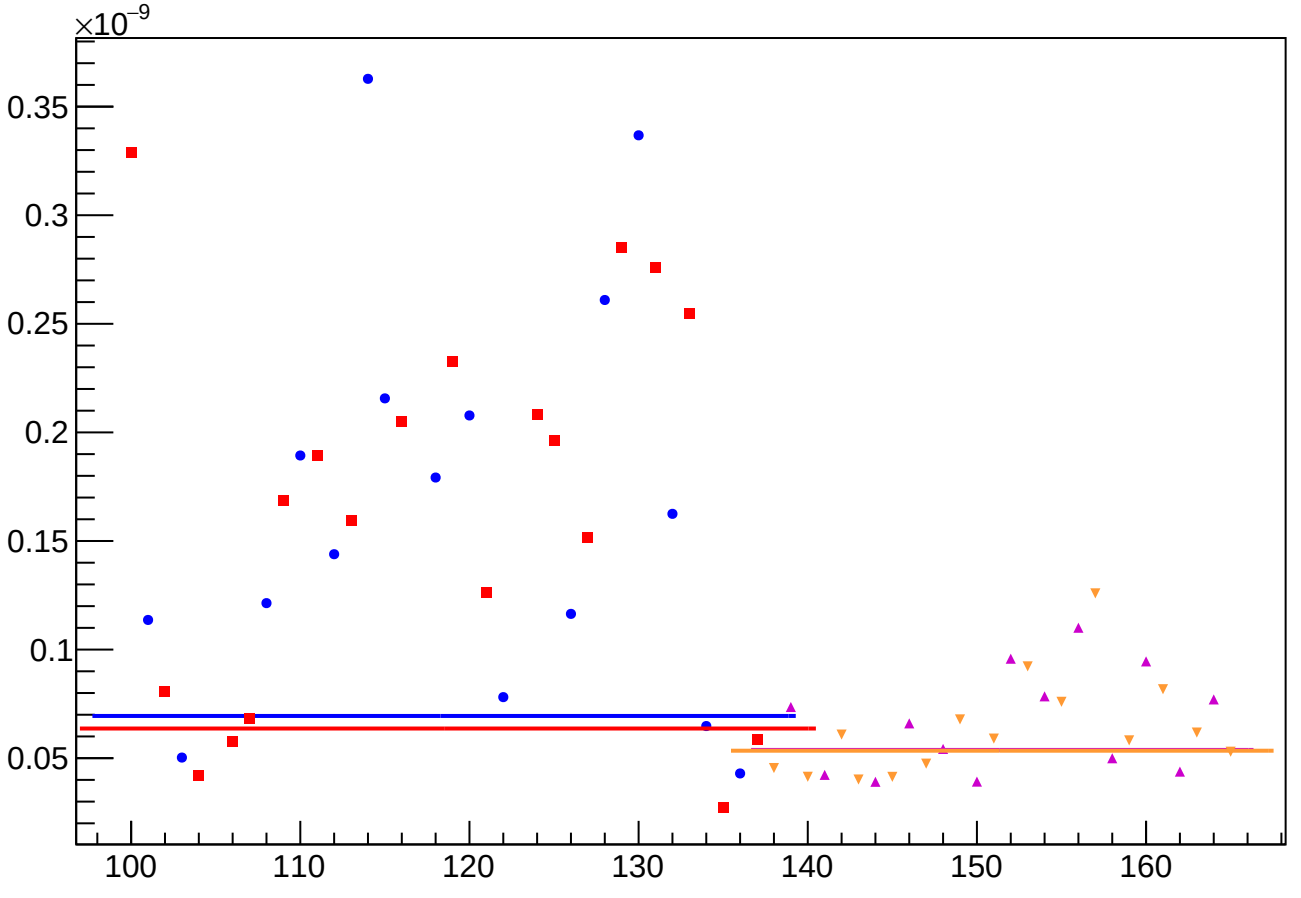
Left: -0.000+/-0.000 χ^2/NDF: 29.8/27

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:21.1/28

Out: -0.000+/-0.000 χ^2/NDF:42.9/33

All: -0.000+/-0.000 χ^2/NDF: 64.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710311.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:837132.7/12

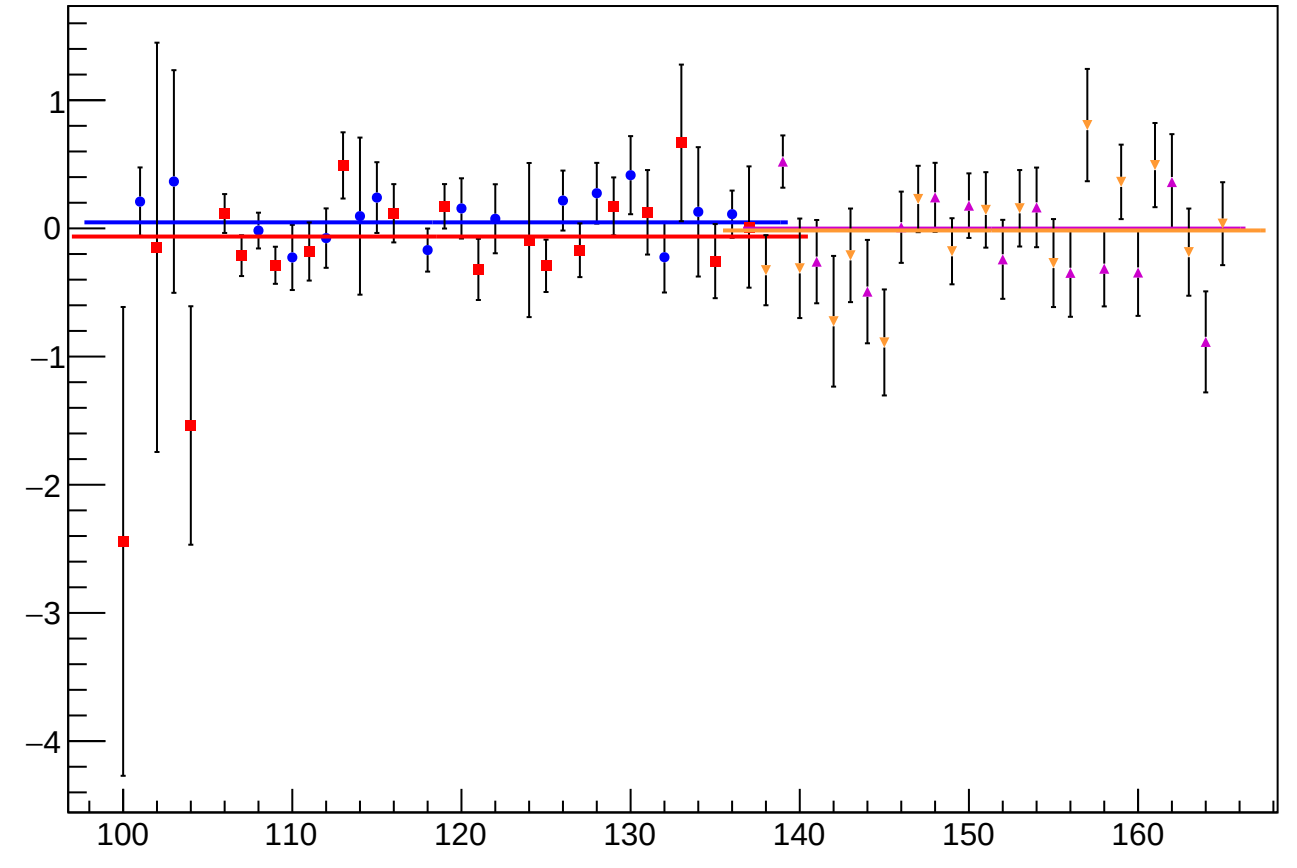
Left: 0.000+/-0.000 χ^2/NDF: 1547613.0/27

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2719838.3/28

Out: 0.000+/-0.000 χ^2/NDF:3026838.1/33

All: 0.000+/-0.000 χ^2/NDF: 5753722.1/62



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

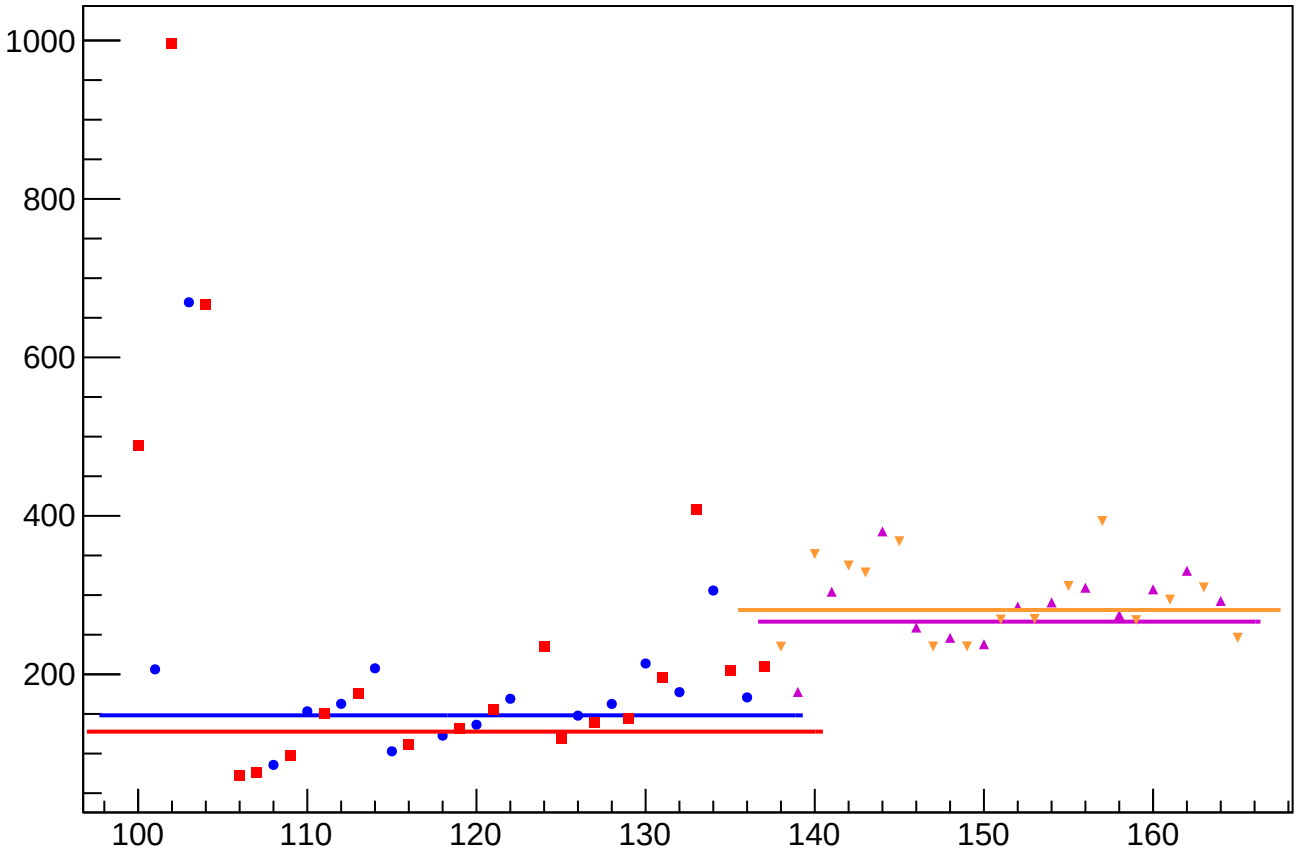
Left: -0.009+/-0.059 χ^2/NDF: 39.0/27

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.012+/-0.033 χ^2/NDF: 71.6/62



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.196+/-0.059 χ^2/NDF:593483.1/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

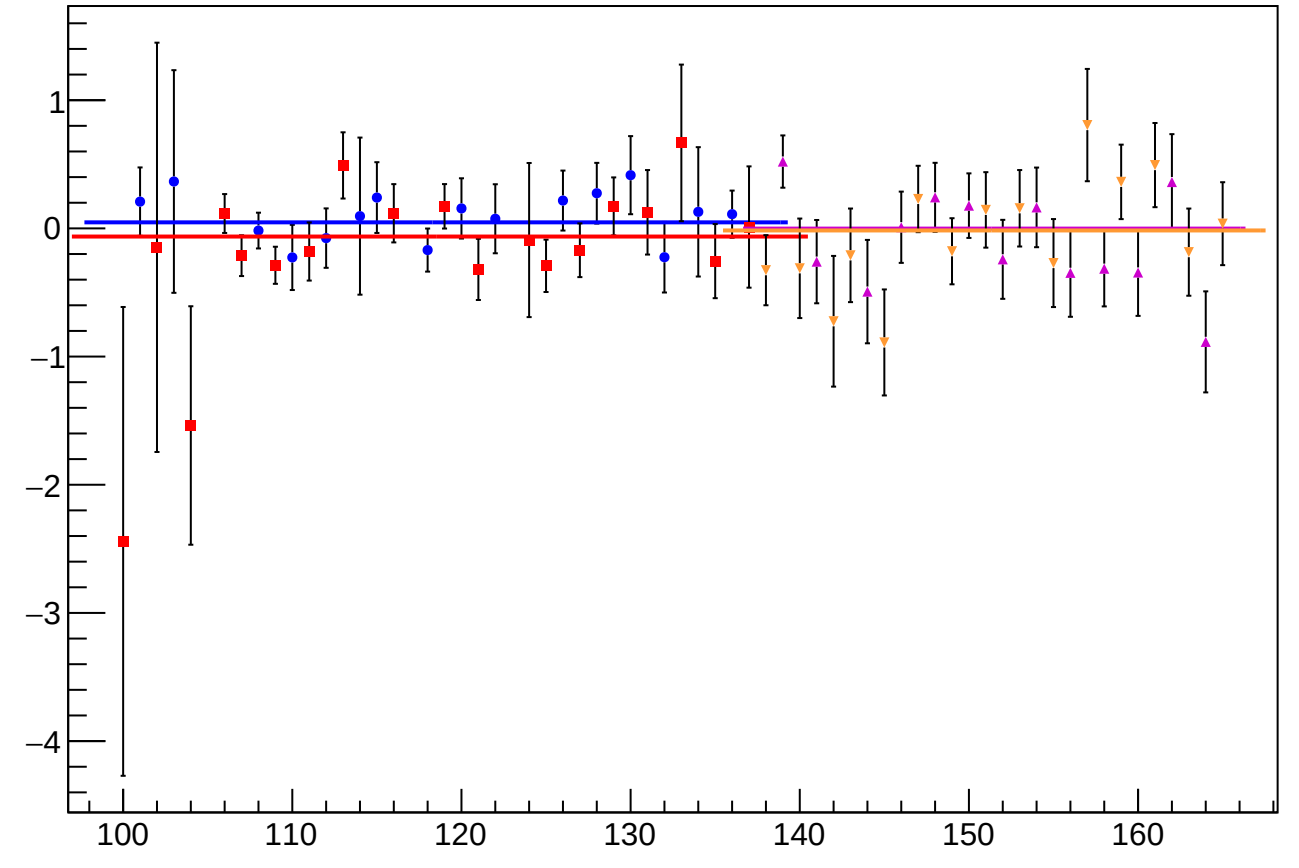
Left: 273.776+/-0.042 χ^2/NDF: 1377863.9/27

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.904+/-0.034 χ^2/NDF:5131858.6/28

Out: 173.636+/-0.032 χ^2/NDF:8156044.8/33

All: 180.807+/-0.024 χ^2/NDF: 13392479.1/62



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

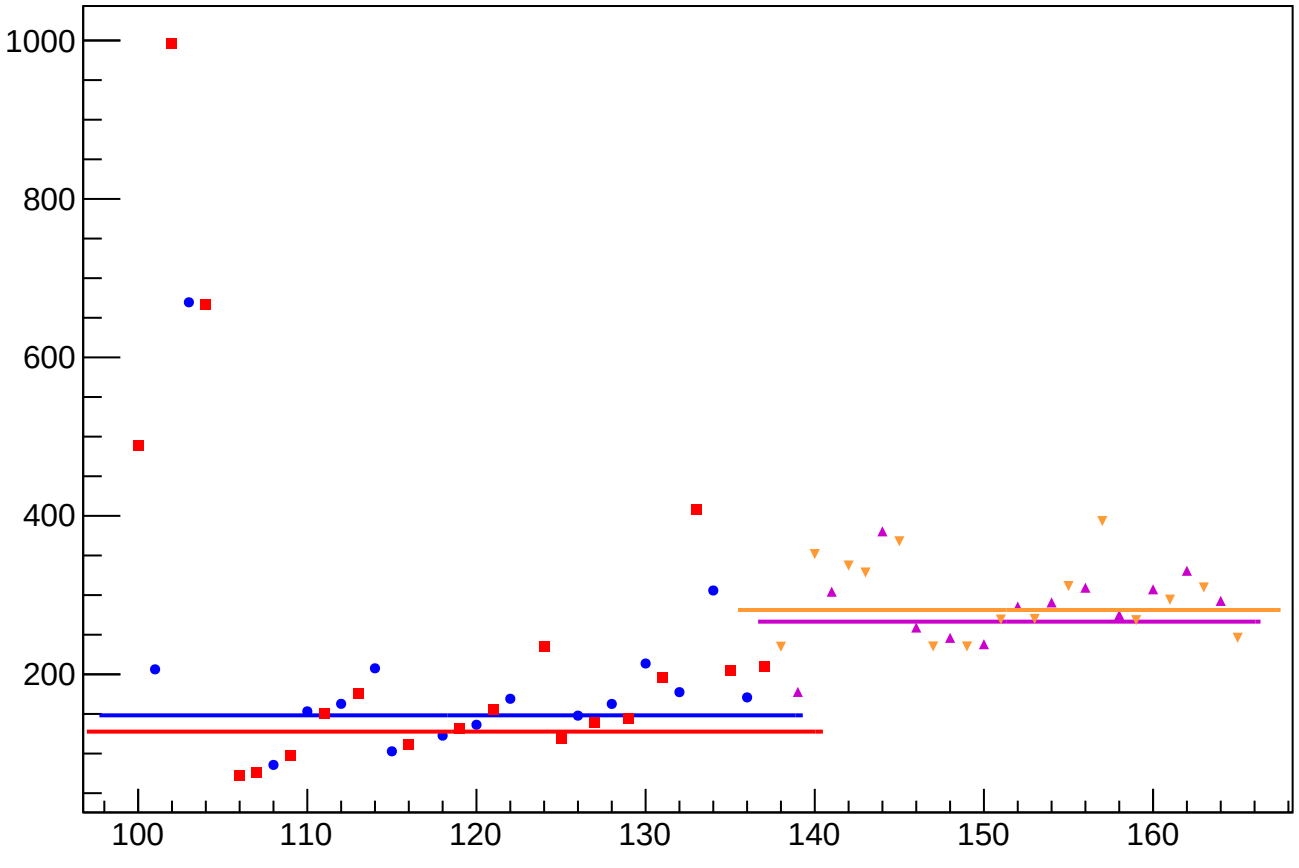
Left: -0.009+/-0.059 χ^2/NDF: 39.0/27

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.012+/-0.033 χ^2/NDF: 71.6/62



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.196+/-0.059 χ^2/NDF:593483.1/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

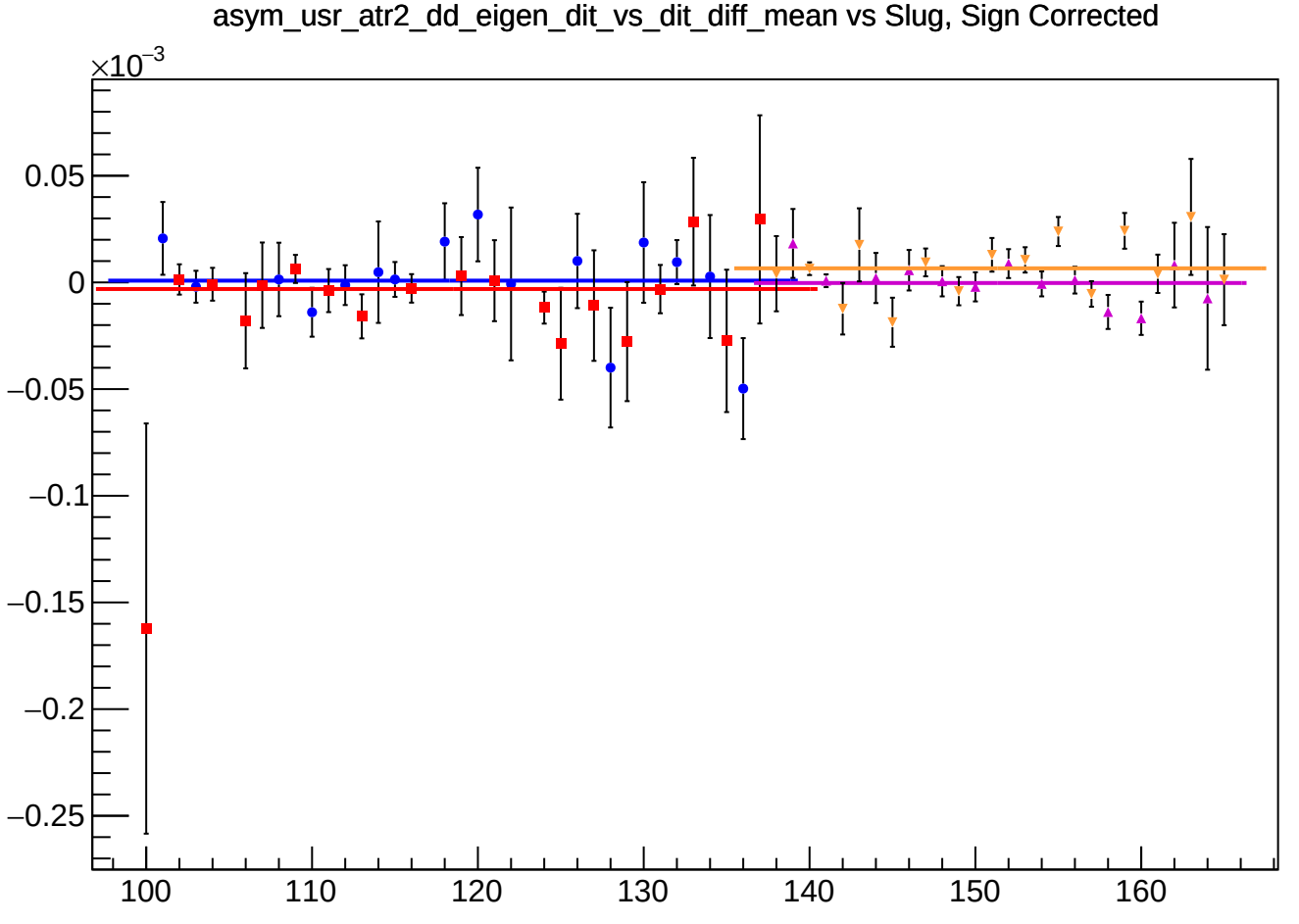
Left: 273.776+/-0.042 χ^2/NDF: 1377863.9/27

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.904+/-0.034 χ^2/NDF:5131858.6/28

Out: 173.636+/-0.032 χ^2/NDF:8156044.8/33

All: 180.807+/-0.024 χ^2/NDF: 13392479.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/12

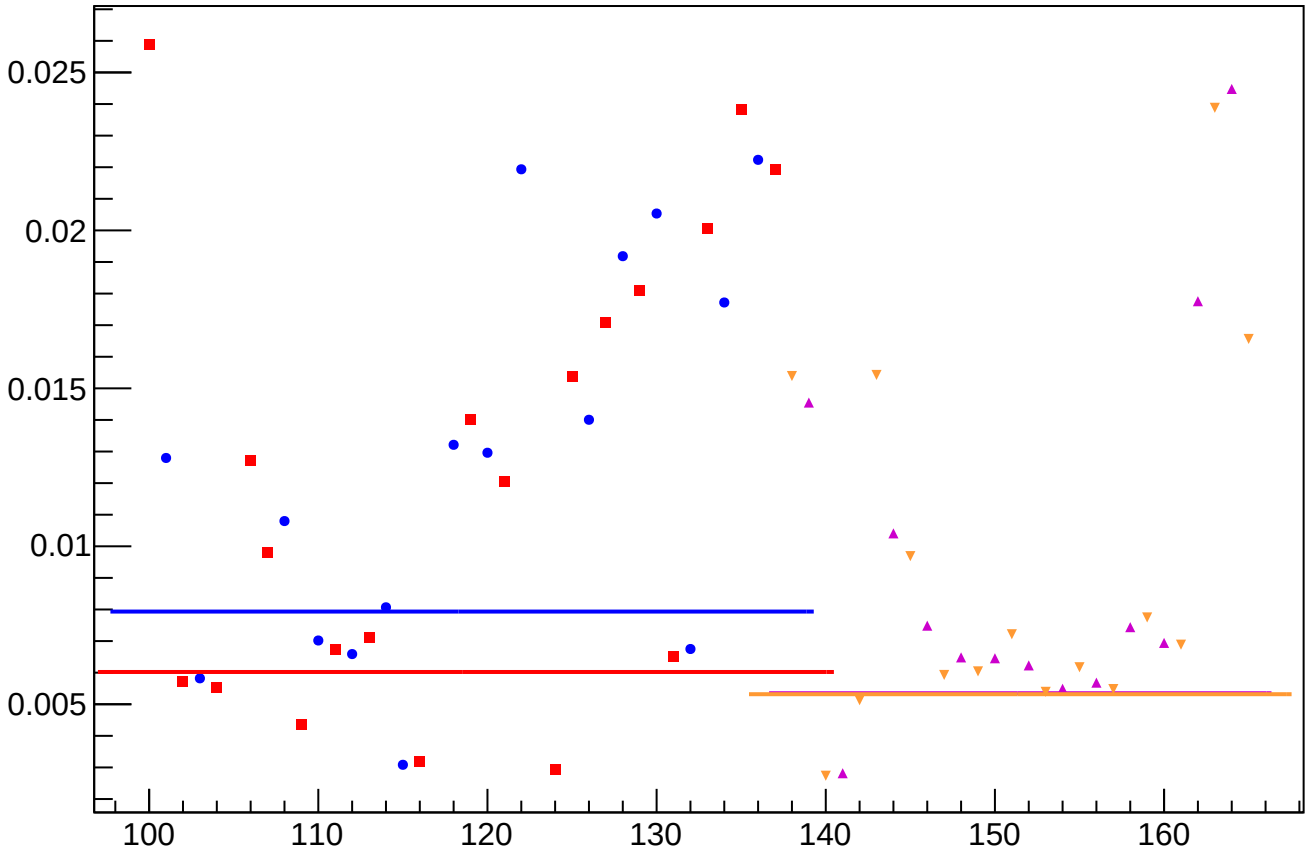
Left: 0.000+/-0.000 χ^2/NDF: 45.8/27

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/28

Out: 0.000+/-0.000 χ^2/NDF:49.3/33

All: 0.000+/-0.000 χ^2/NDF: 77.5/62



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:5037431.2/14

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4347318.2/12

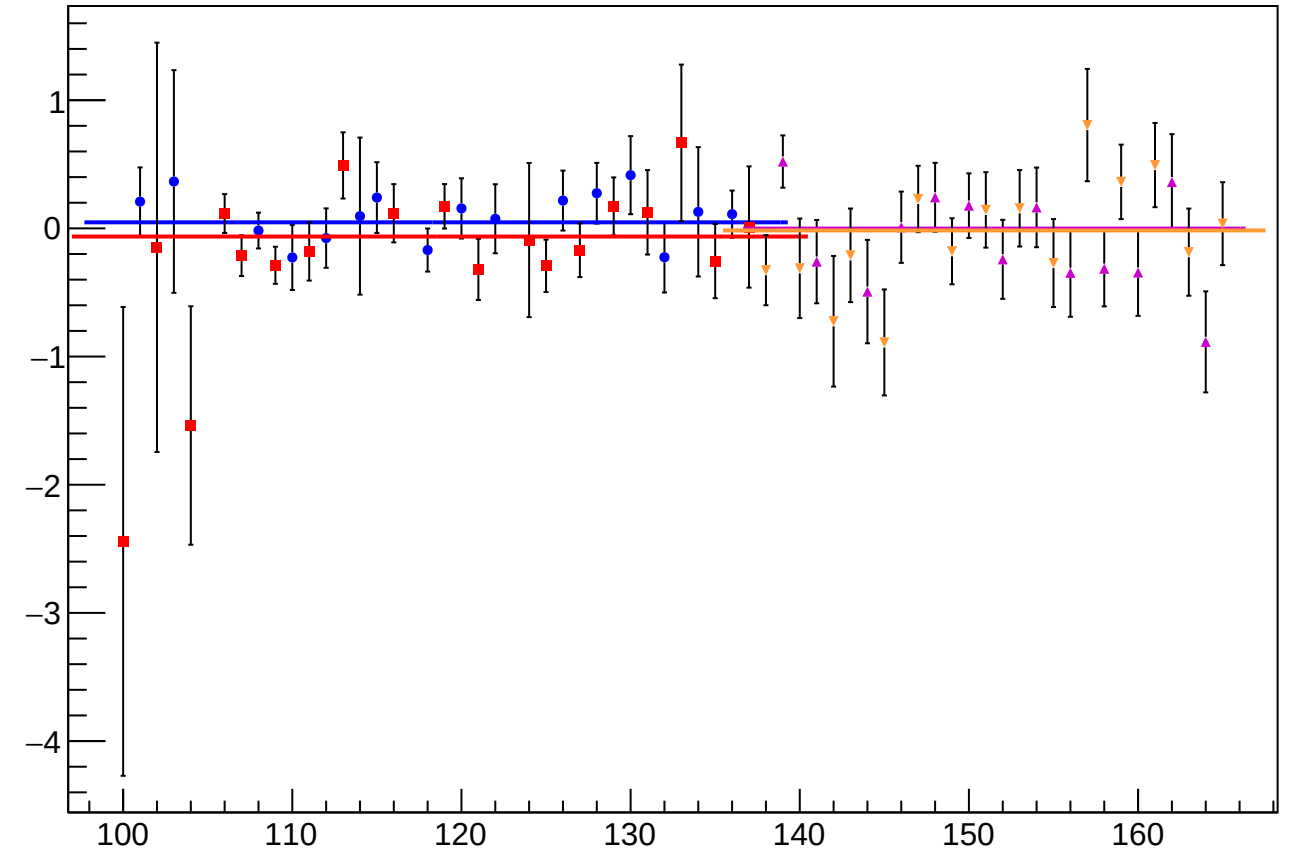
Left: 0.005+/-0.000 χ^2/NDF: 9385037.0/27

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:8788491.8/28

Out: 0.006+/-0.000 χ^2/NDF:9143719.4/33

All: 0.006+/-0.000 χ^2/NDF: 17993195.6/62



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

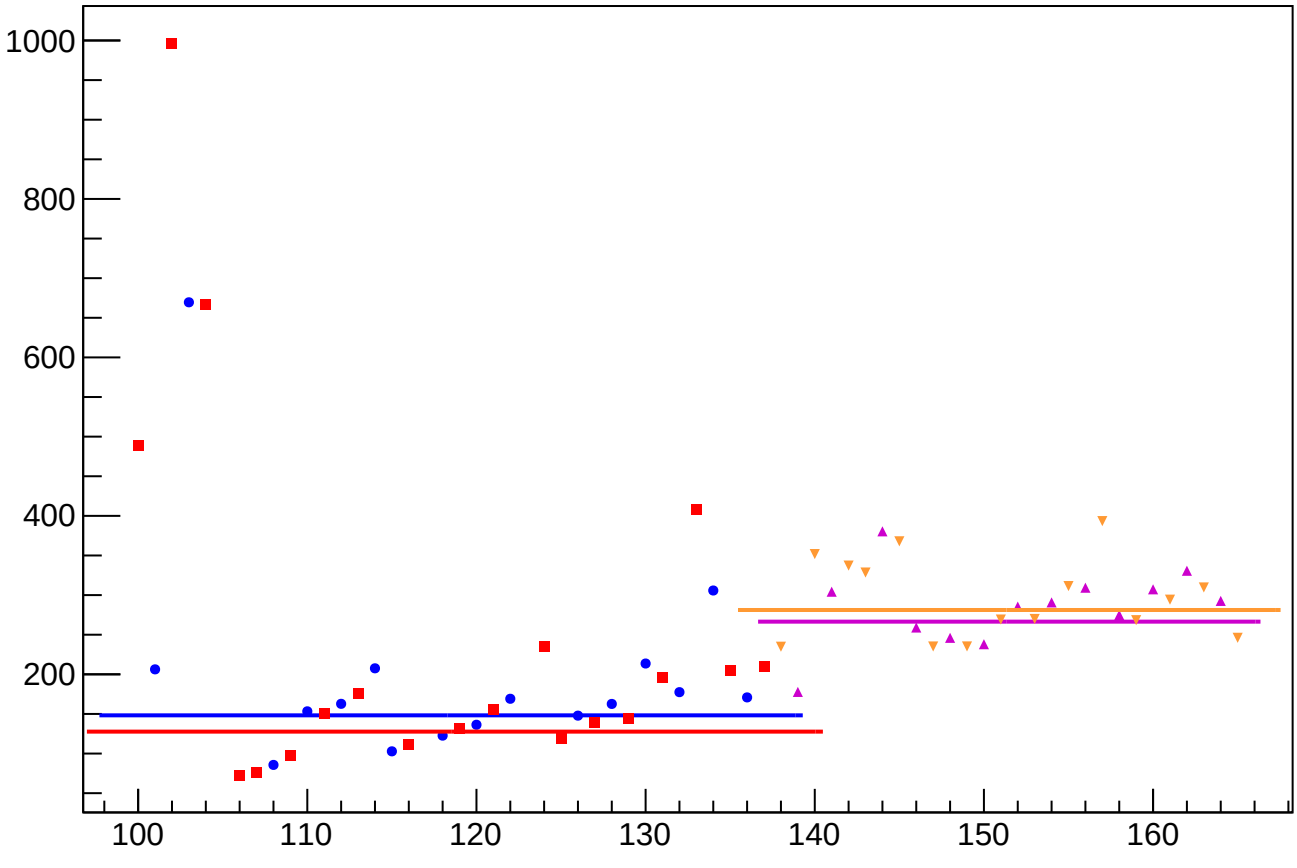
Left: -0.009+/-0.059 χ^2/NDF: 39.0/27

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.012+/-0.033 χ^2/NDF: 71.6/62



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.201+/-0.059 χ^2/NDF:593449.6/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 266.488+/-0.059 χ^2/NDF:753141.6/12

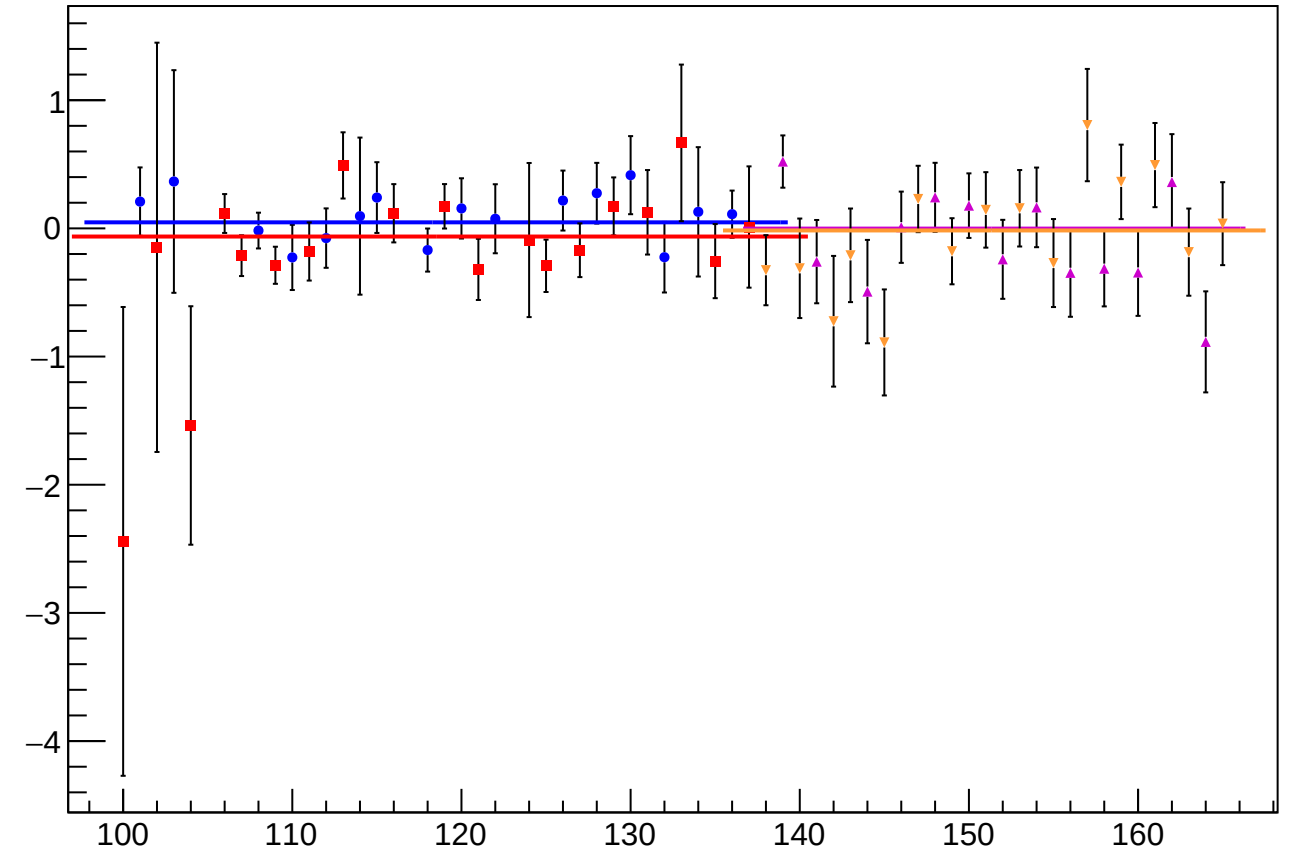
Left: 273.780+/-0.042 χ^2/NDF: 1377804.7/27

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.902+/-0.034 χ^2/NDF:5132156.5/28

Out: 173.636+/-0.032 χ^2/NDF:8156168.4/33

All: 180.806+/-0.024 χ^2/NDF: 13392870.8/62



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

Left: -0.009+/-0.059 χ^2/NDF: 39.0/27

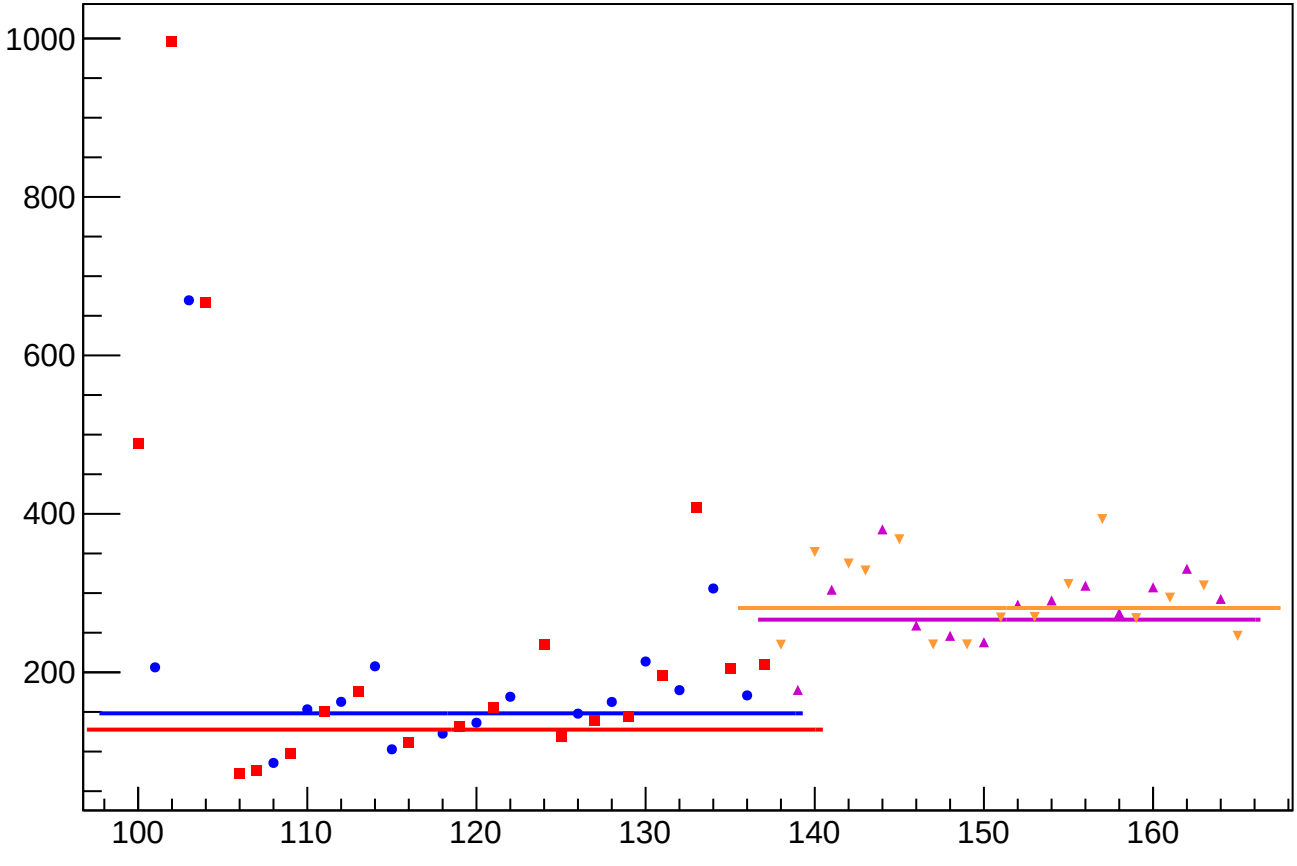
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.012+/-0.033 χ^2/NDF: 71.6/62

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.201+/-0.059 χ^2/NDF:593449.6/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 266.488+/-0.059 χ^2/NDF:753141.6/12

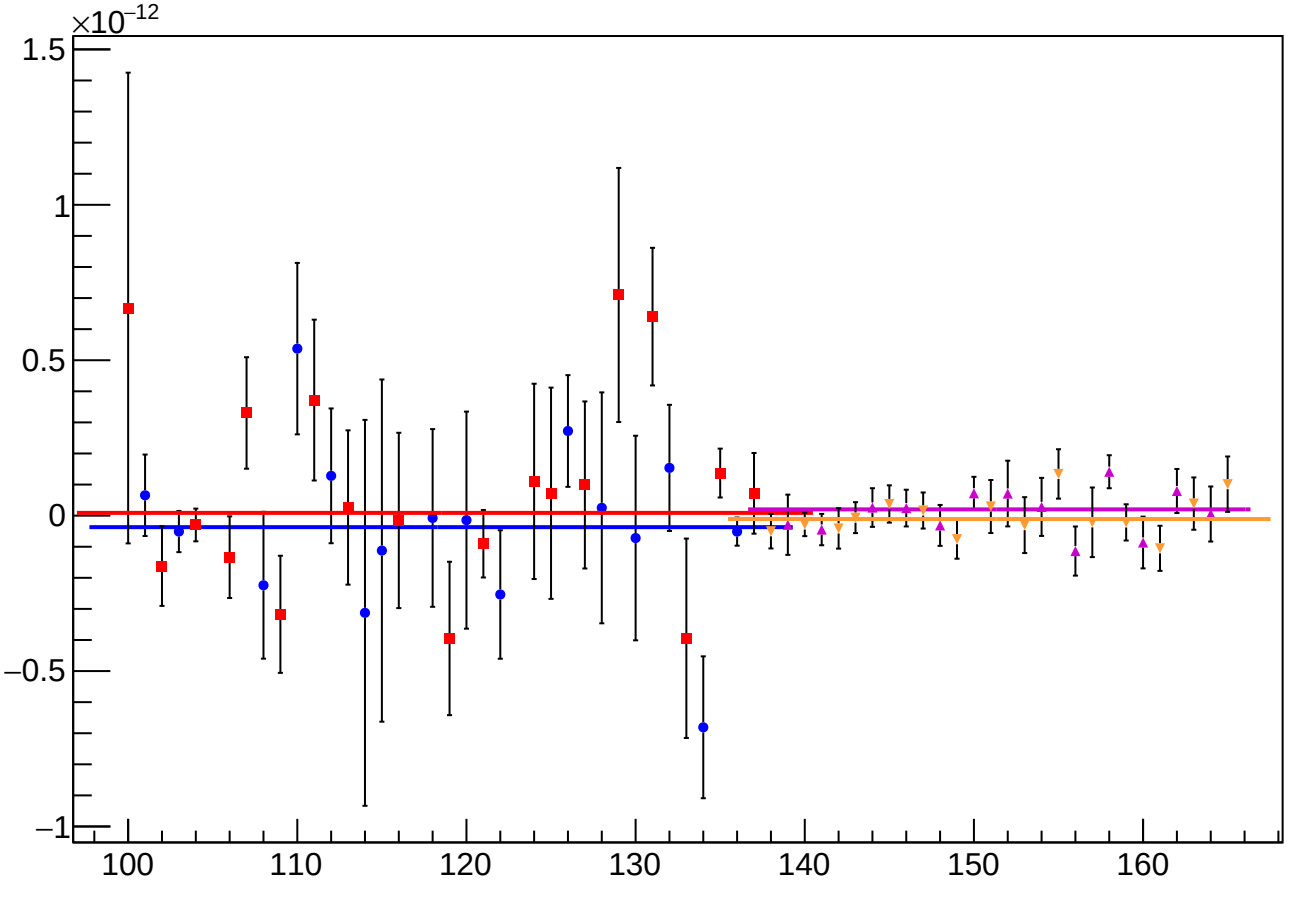
Left: 273.780+/-0.042 χ^2/NDF: 1377804.7/27

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.902+/-0.034 χ^2/NDF:5132156.5/28

Out: 173.636+/-0.032 χ^2/NDF:8156168.4/33

All: 180.806+/-0.024 χ^2/NDF: 13392870.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/12

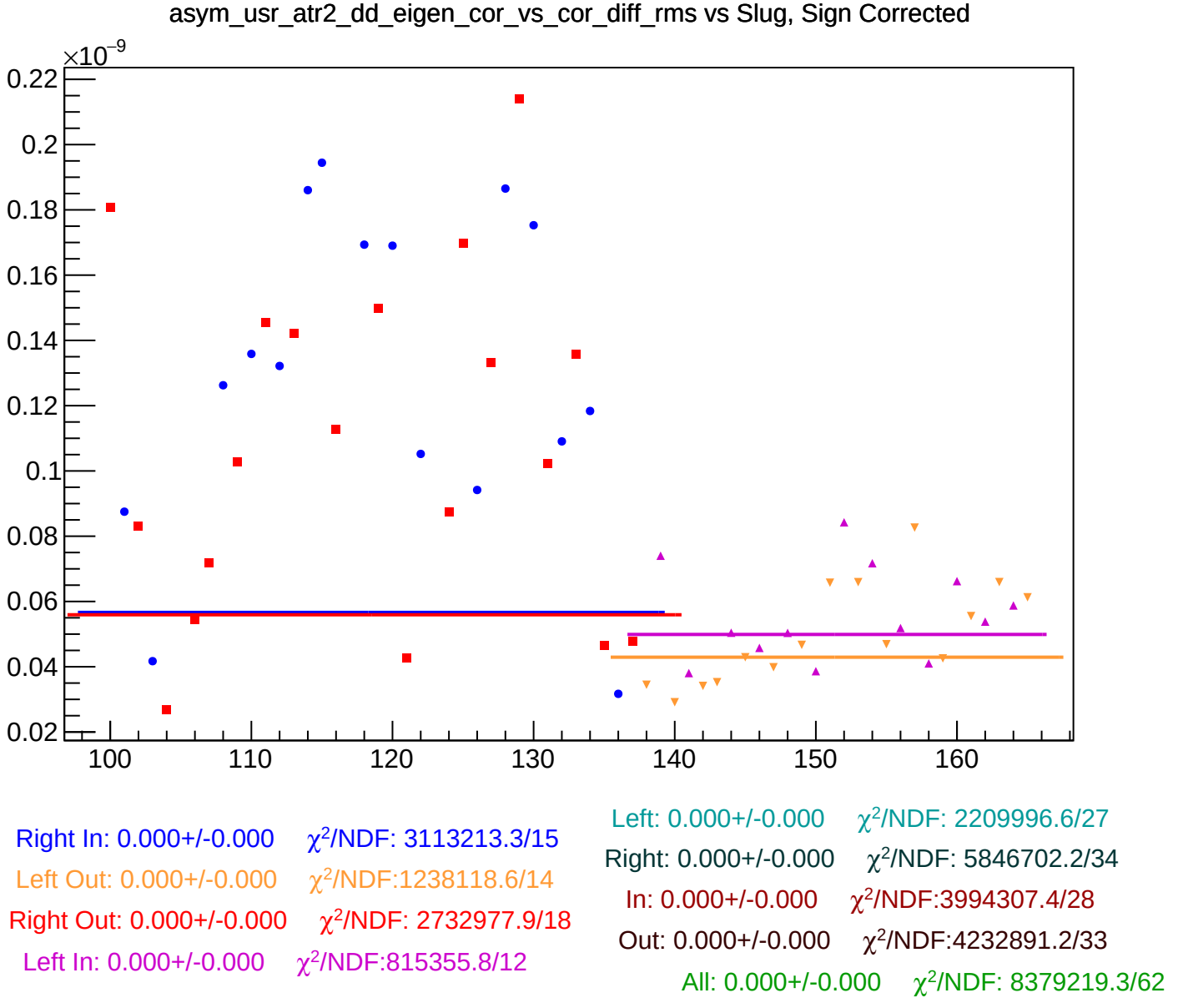
Left: 0.000+/-0.000 χ^2/NDF: 25.9/27

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

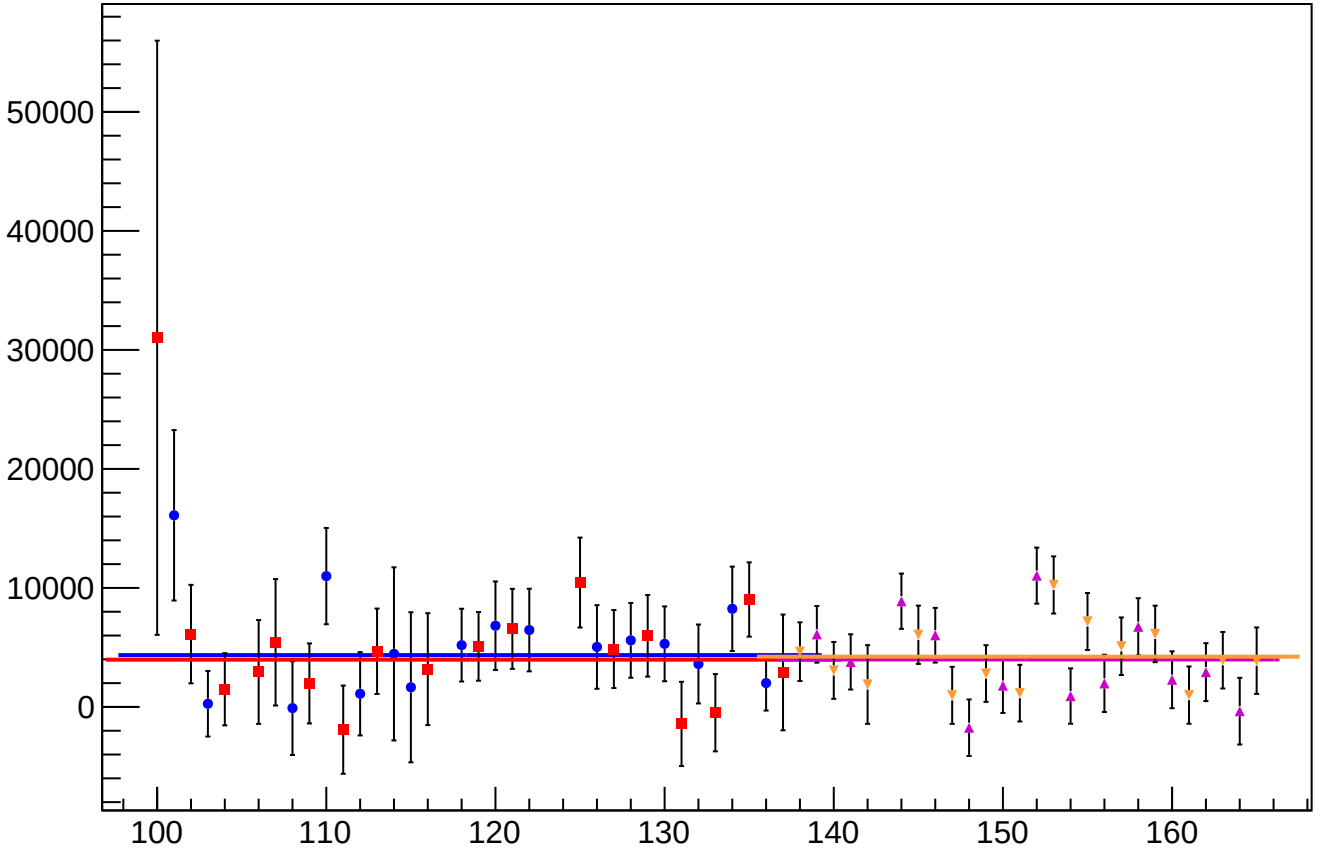
In: 0.000+/-0.000 χ^2/NDF:36.0/28

Out: -0.000+/-0.000 χ^2/NDF:42.2/33

All: -0.000+/-0.000 χ^2/NDF: 78.6/62


asym_usr_atr2_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
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1238118.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:815355.8/12
Left: 0.000+/-0.000 χ²/NDF: 2209996.6/27
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:3994307.4/28
Out: 0.000+/-0.000 χ²/NDF:4232891.2/33
All: 0.000+/-0.000 χ²/NDF: 8379219.3/62

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.437+/-659.477 χ^2/NDF:15.6/13

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 3987.345+/-661.247 χ^2/NDF:28.6/12

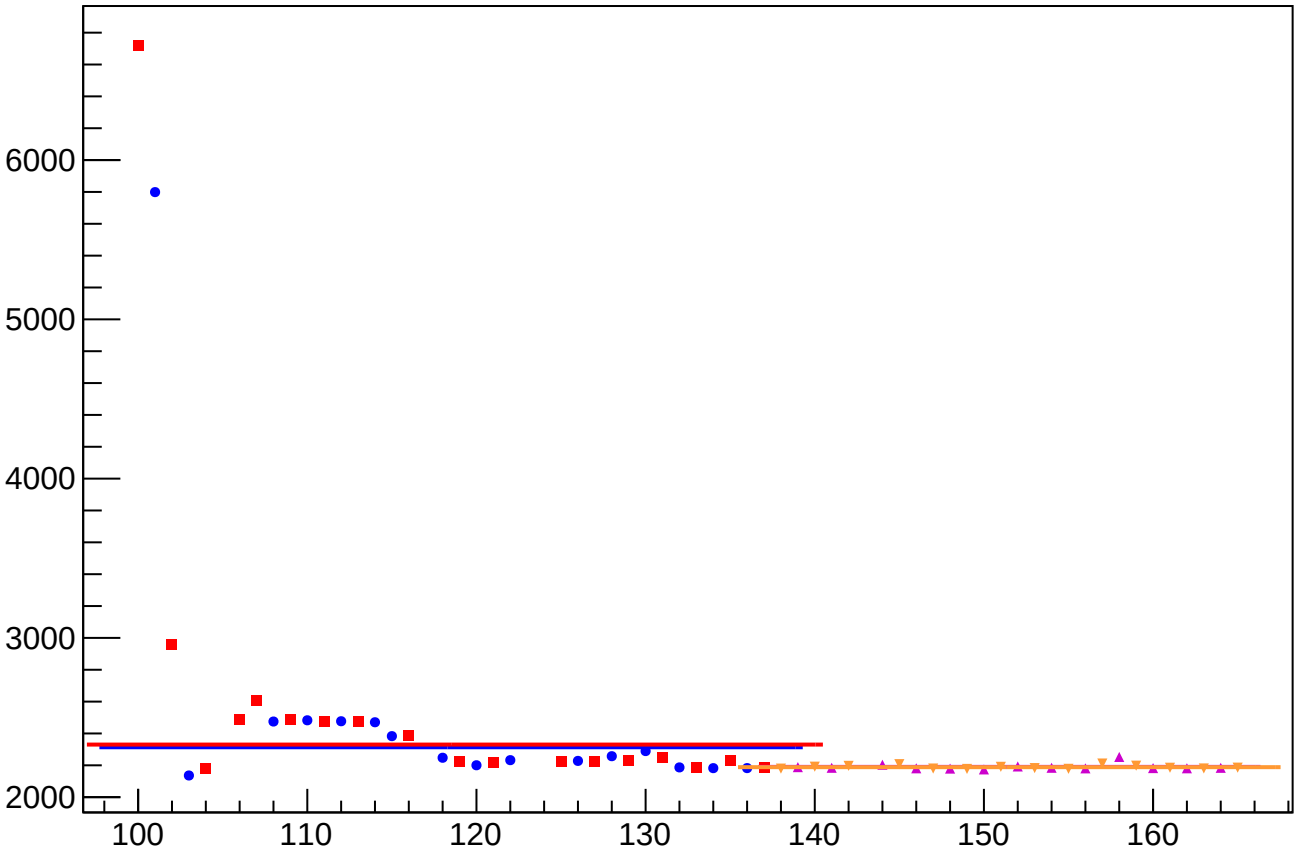
Left: 4105.708+/-466.945 χ^2/NDF: 44.2/26

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4120.723+/-527.582 χ^2/NDF:42.1/28

Out: 4131.741+/-525.839 χ^2/NDF:31.8/31

All: 4126.250+/-372.439 χ^2/NDF: 73.9/60



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

Left: 2189.269+/-0.330 χ^2/NDF: 2229.0/26

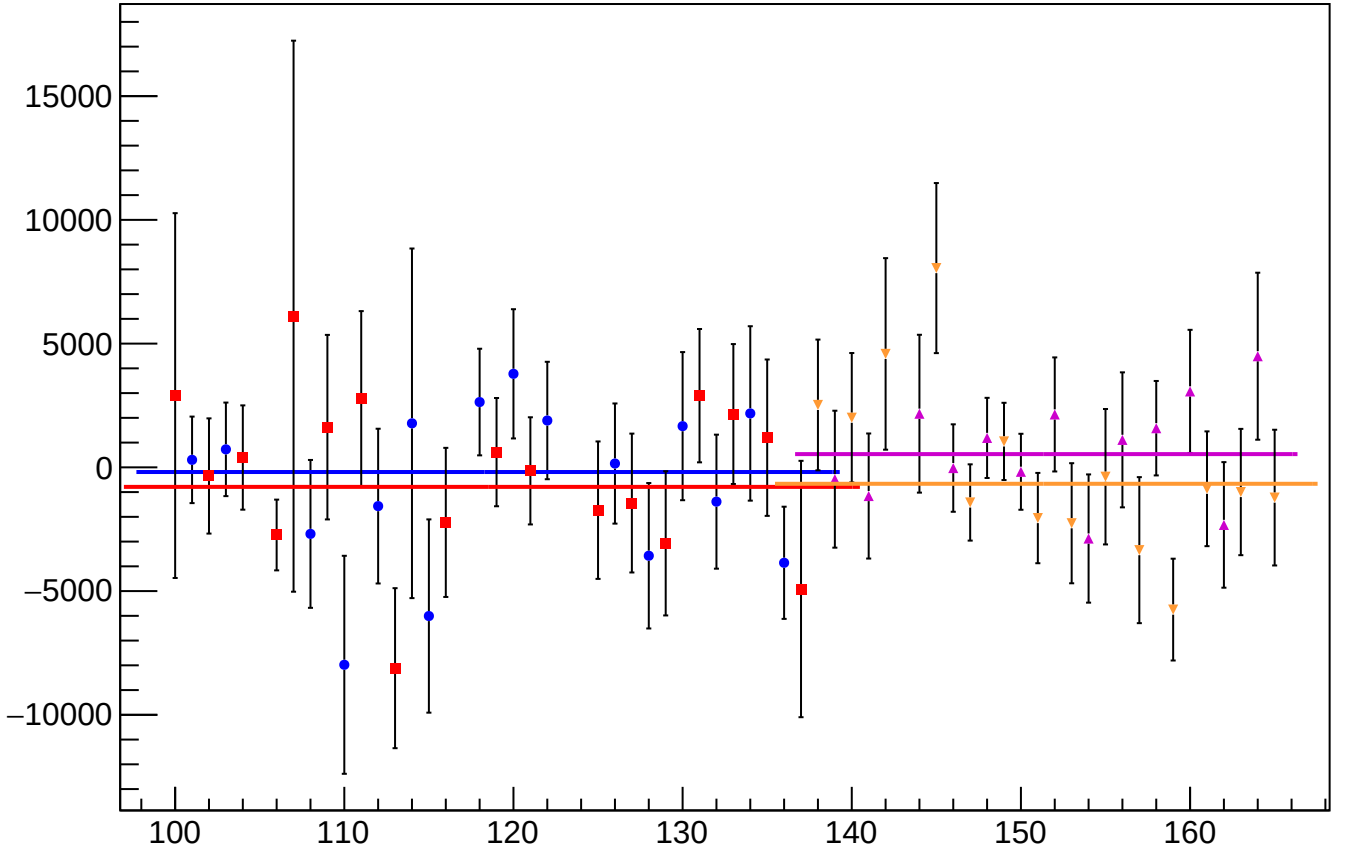
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2234.934+/-0.373 χ^2/NDF:539337.9/28

Out: 2240.054+/-0.372 χ^2/NDF:185404.1/31

All: 2237.503+/-0.263 χ^2/NDF: 724836.5/60

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: -664.397+/-608.529 χ^2/NDF:20.2/13

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 535.000+/-612.832 χ^2/NDF:7.6/12

Left: -68.924+/-431.808 χ^2/NDF: 29.7/26

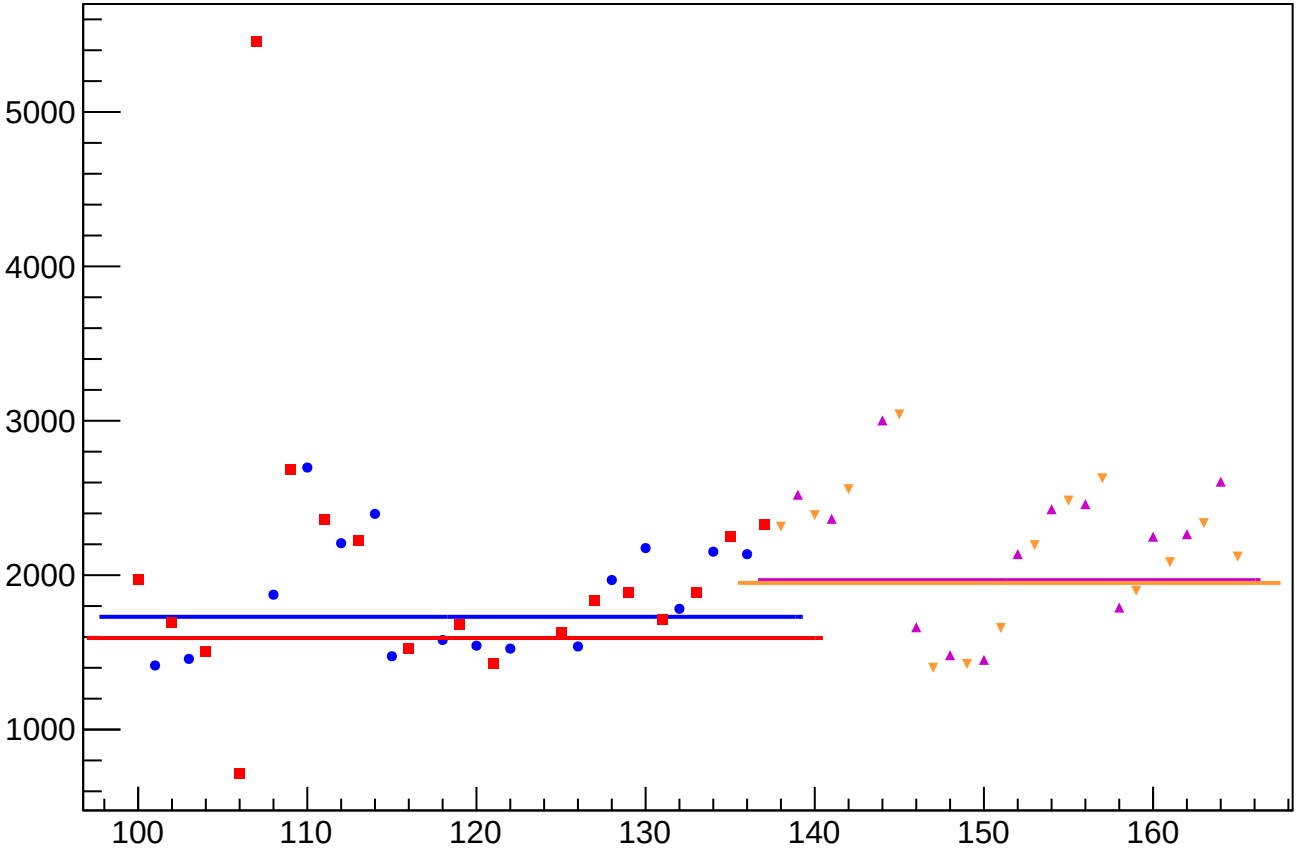
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 199.041+/-448.562 χ^2/NDF:24.7/28

Out: -724.209+/-439.322 χ^2/NDF:35.2/31

All: -272.191+/-313.863 χ^2/NDF: 62.0/60

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: 1949.874+/-0.430 χ^2/NDF:1140343.1/13

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1967.703+/-0.433 χ^2/NDF:1086756.0/12

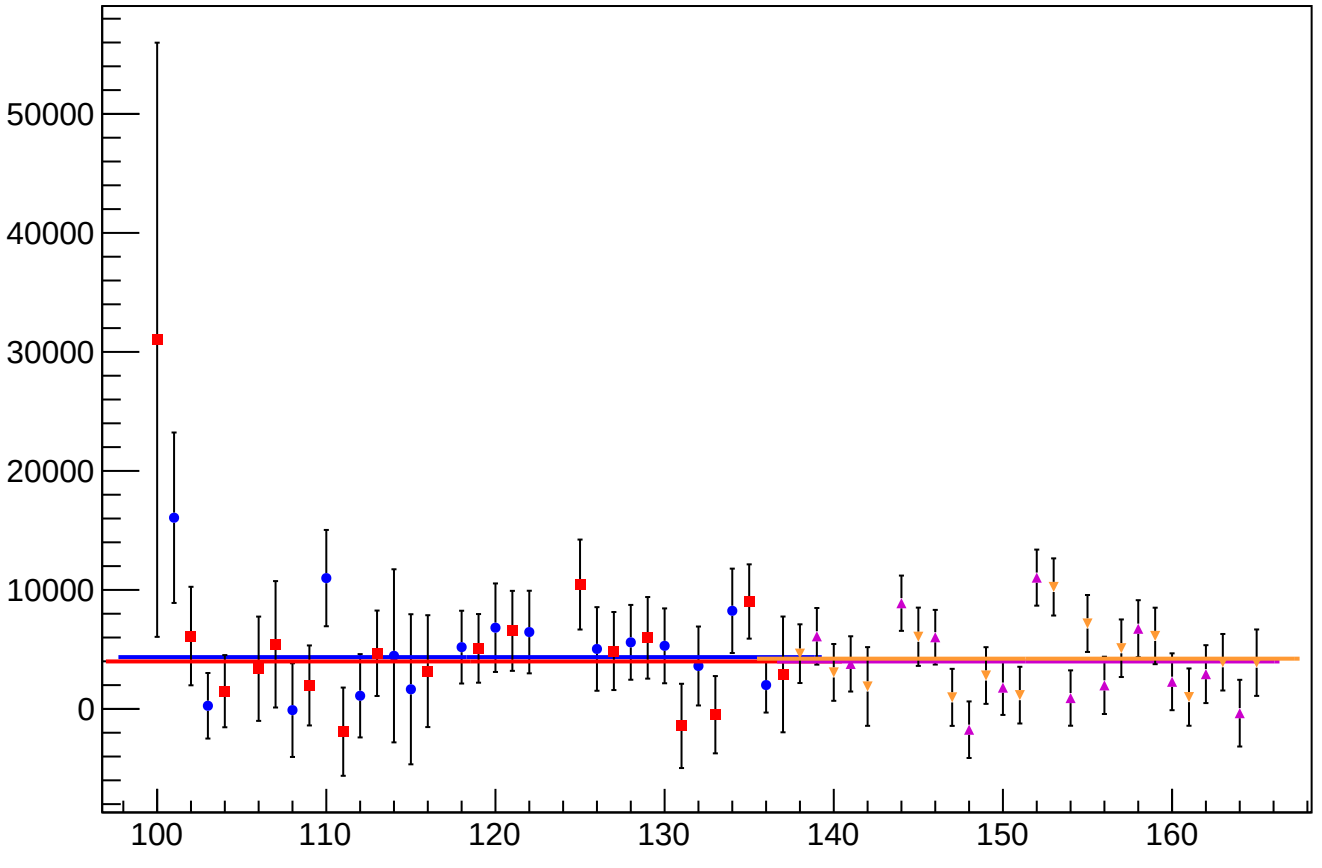
Left: 1958.725+/-0.305 χ^2/NDF: 2227951.4/26

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1857.483+/-0.317 χ^2/NDF:1705040.7/28

Out: 1778.918+/-0.311 χ^2/NDF:3026218.7/31

All: 1817.383+/-0.222 χ^2/NDF: 4762574.5/60



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.342+/-659.477 χ^2/NDF:15.6/13

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 3987.493+/-661.247 χ^2/NDF:28.6/12

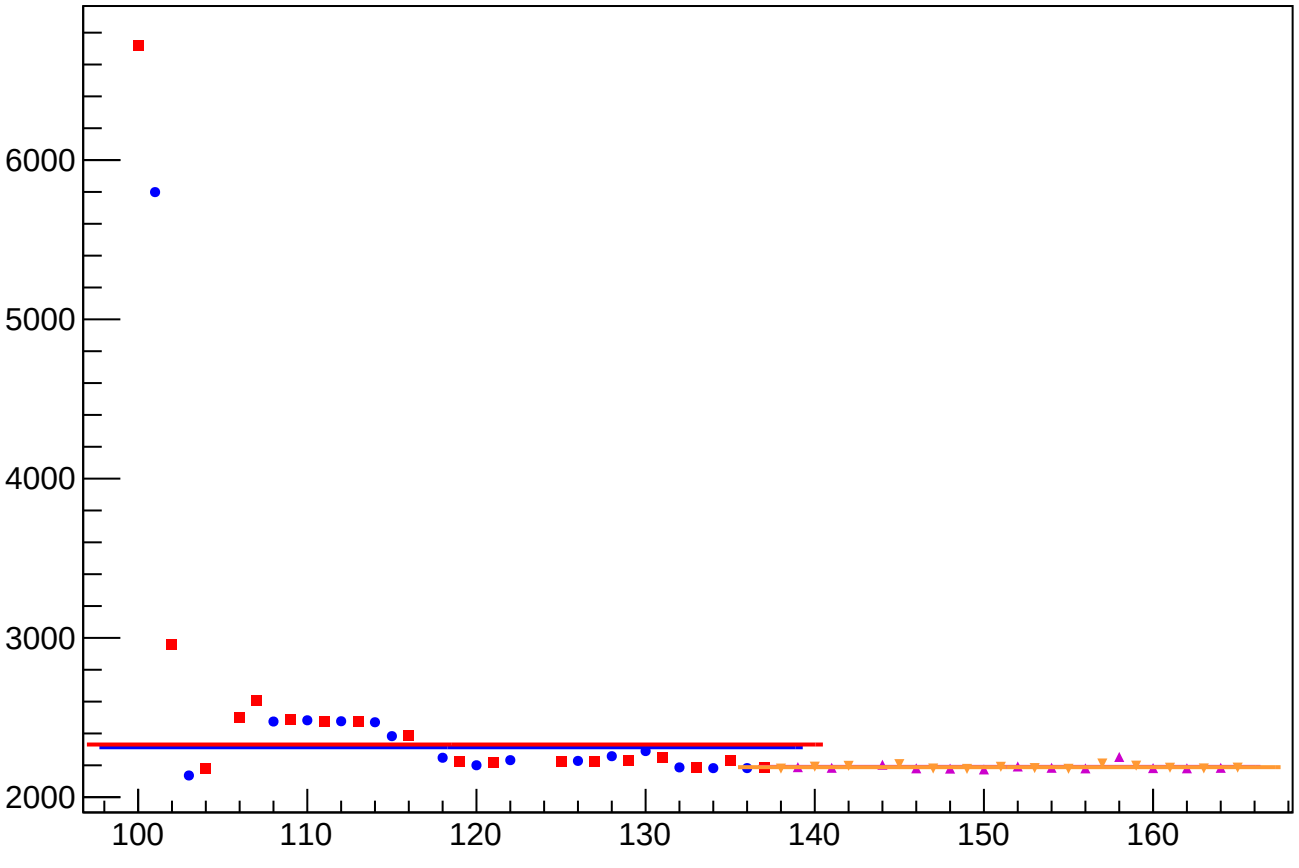
Left: 4105.734+/-466.945 χ^2/NDF: 44.2/26

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4120.569+/-527.582 χ^2/NDF:42.0/28

Out: 4138.330+/-525.872 χ^2/NDF:31.8/31

All: 4129.479+/-372.451 χ^2/NDF: 73.8/60



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

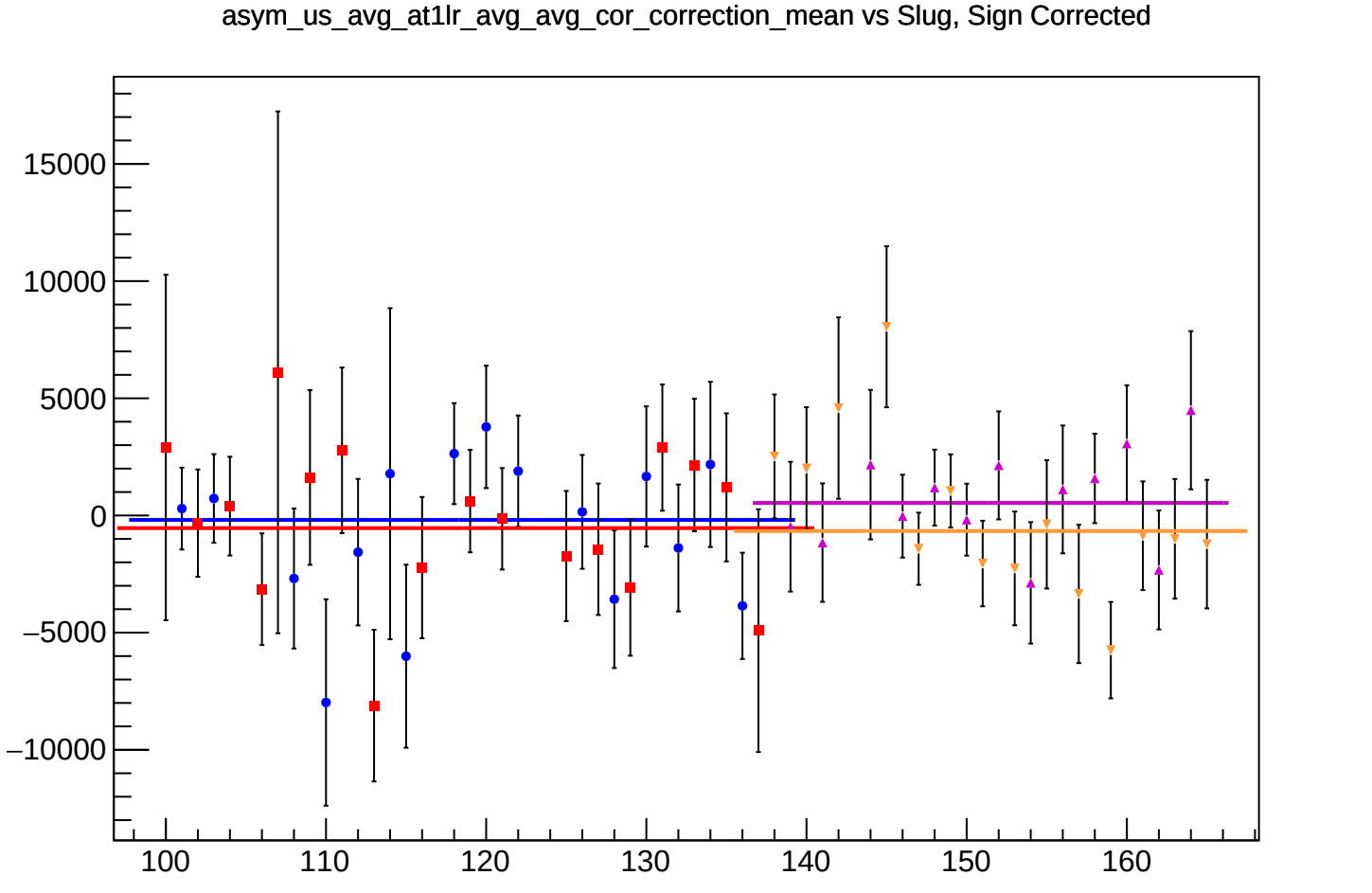
Left: 2189.269+/-0.330 χ^2/NDF: 2229.0/26

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

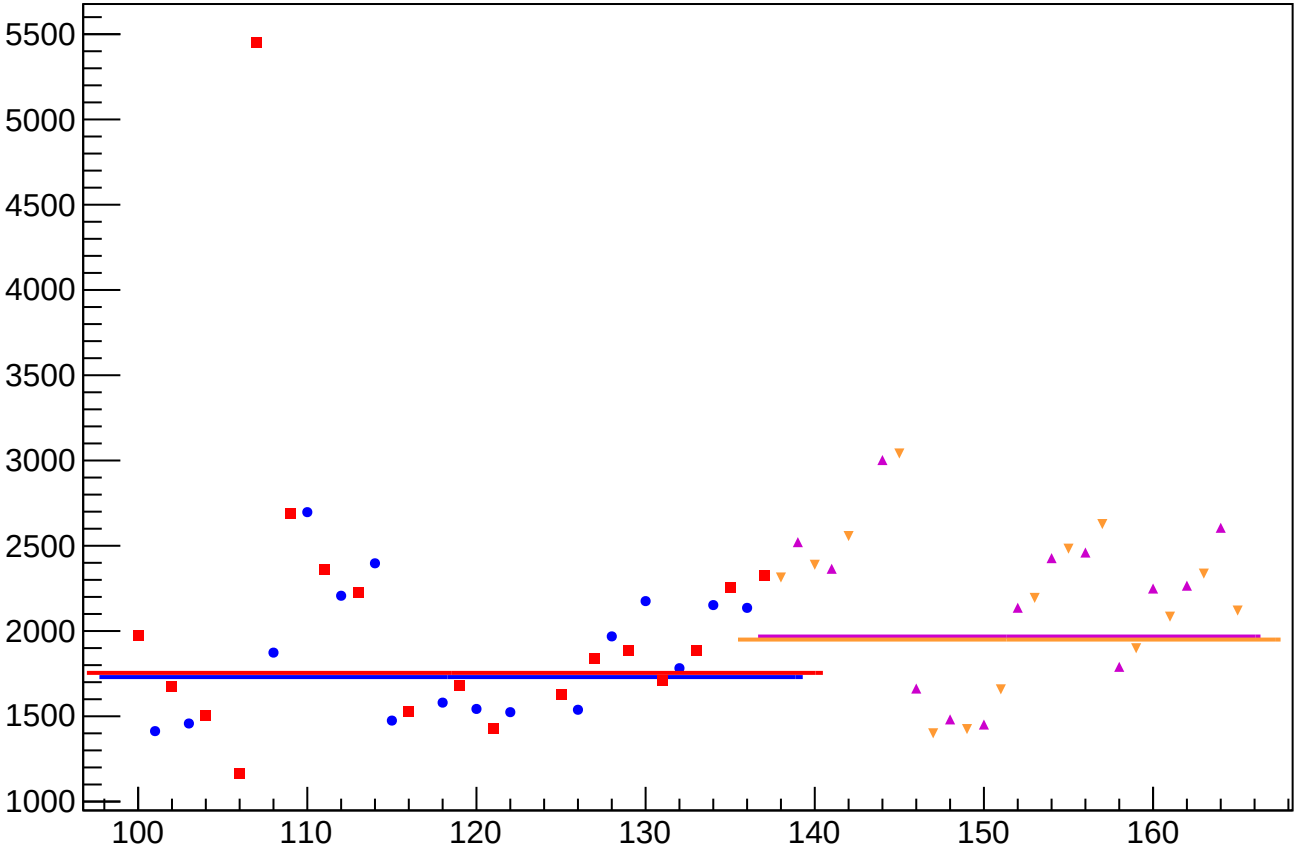
In: 2234.934+/-0.373 χ^2/NDF:539338.3/28

Out: 2240.178+/-0.372 χ^2/NDF:185918.5/31

All: 2237.565+/-0.263 χ^2/NDF: 725355.9/60


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
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -664.555+/-608.529 χ²/NDF:20.2/13
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 535.139+/-612.833 χ²/NDF:7.6/12
Left: -68.935+/-431.809 χ²/NDF: 29.7/26
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 198.532+/-448.522 χ²/NDF:24.6/28
Out: -608.788+/-452.935 χ²/NDF:34.2/31
All: -201.176+/-318.701 χ²/NDF: 60.4/60

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: 1949.875+/-0.430 χ^2/NDF:1140381.3/13

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

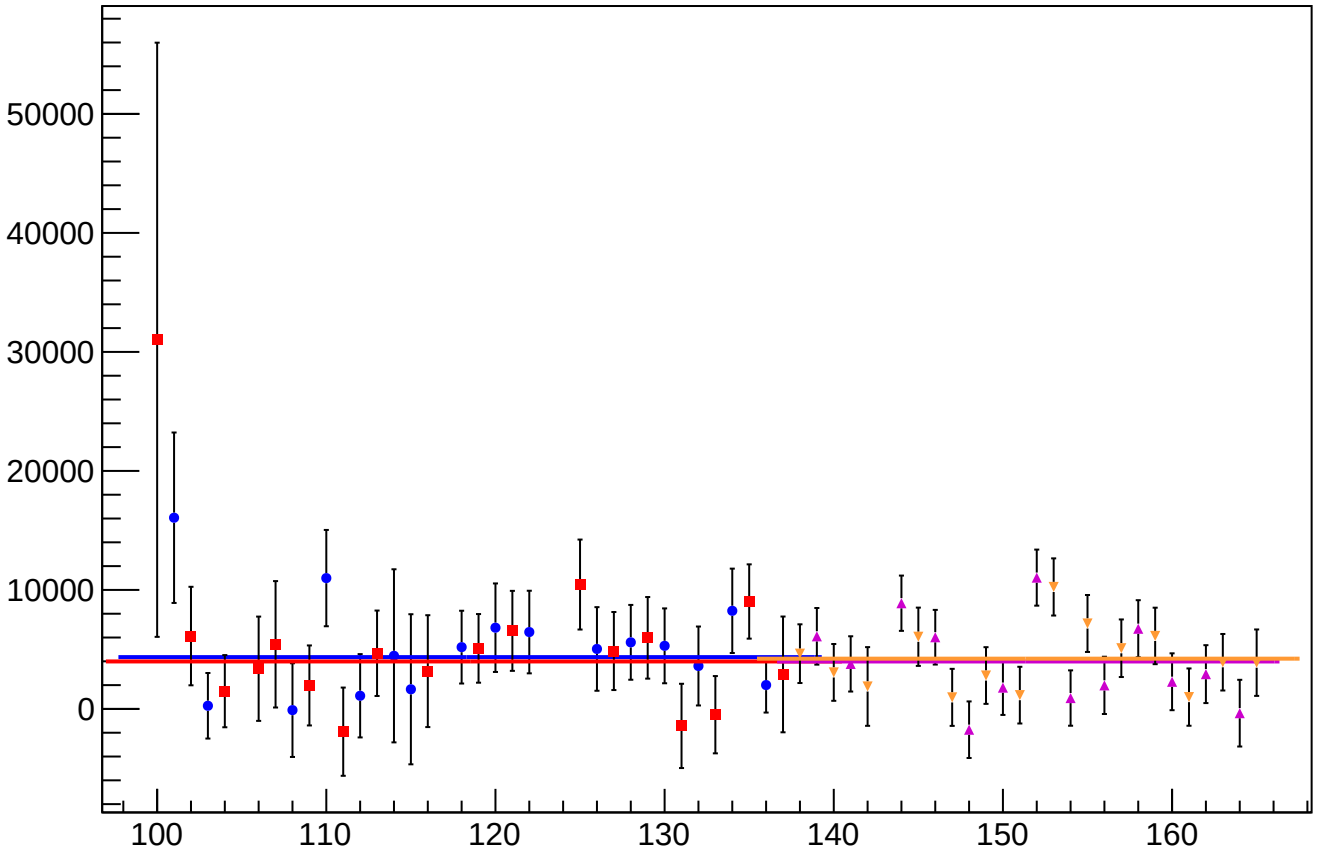
Left: 1958.728+/-0.305 χ^2/NDF: 2228010.0/26

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1857.281+/-0.317 χ^2/NDF:1706518.5/28

Out: 1862.749+/-0.320 χ^2/NDF:1983314.6/31

All: 1859.988+/-0.225 χ^2/NDF: 3689980.4/60



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.342+/-659.477 χ^2/NDF:15.6/13

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 3987.493+/-661.247 χ^2/NDF:28.6/12

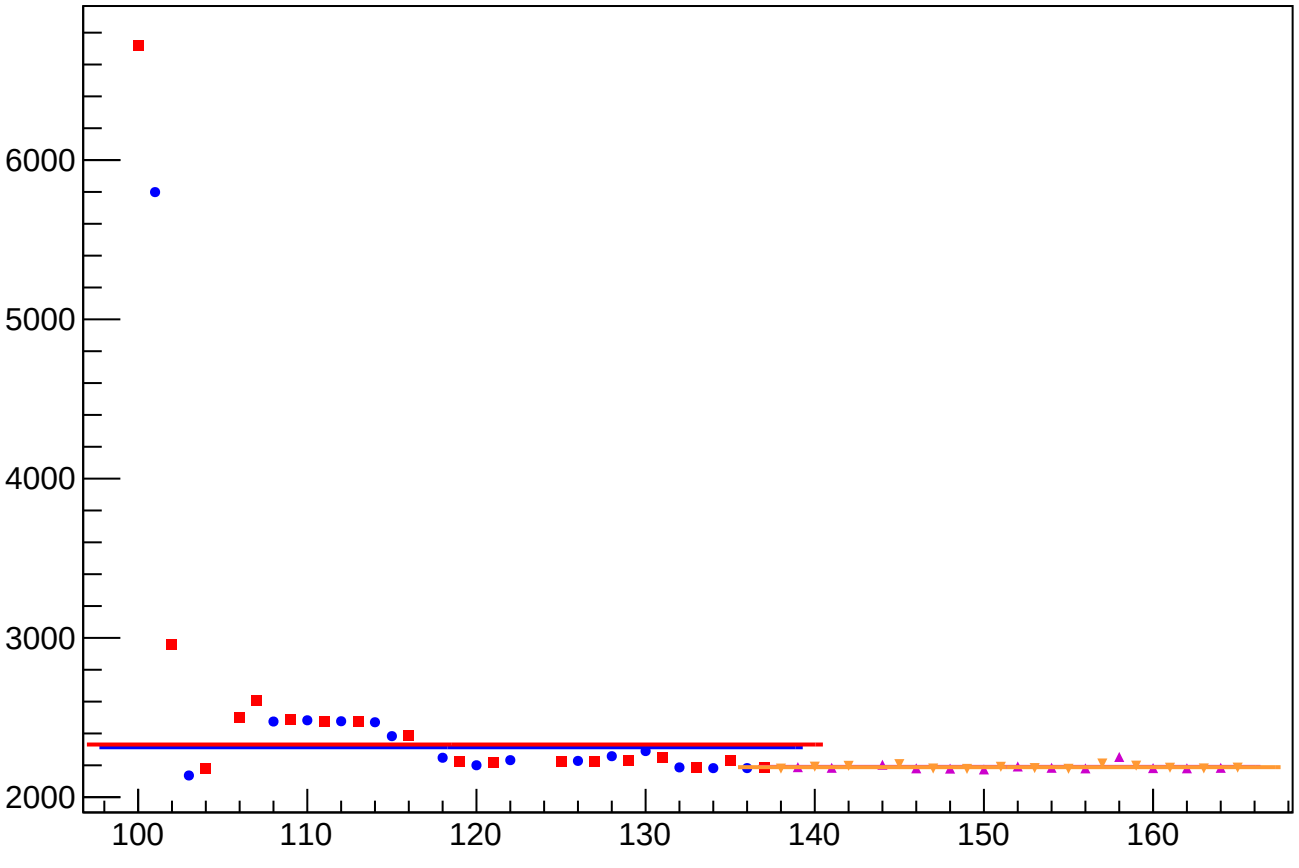
Left: 4105.734+/-466.945 χ^2/NDF: 44.2/26

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4120.569+/-527.582 χ^2/NDF:42.0/28

Out: 4138.330+/-525.872 χ^2/NDF:31.8/31

All: 4129.479+/-372.451 χ^2/NDF: 73.8/60



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

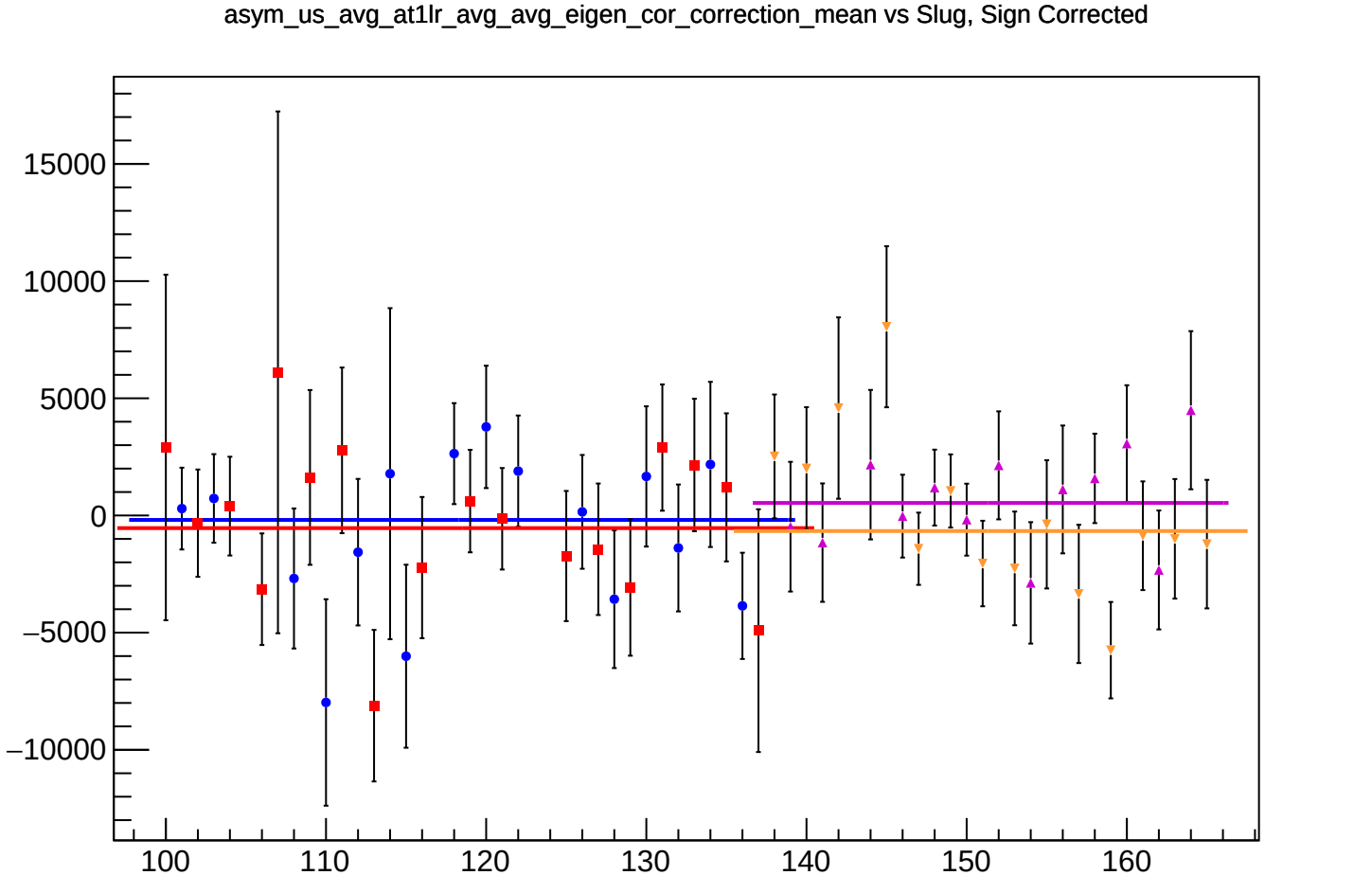
Left: 2189.269+/-0.330 χ^2/NDF: 2229.0/26

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2234.934+/-0.373 χ^2/NDF:539338.3/28

Out: 2240.178+/-0.372 χ^2/NDF:185918.5/31

All: 2237.565+/-0.263 χ^2/NDF: 725355.9/60


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
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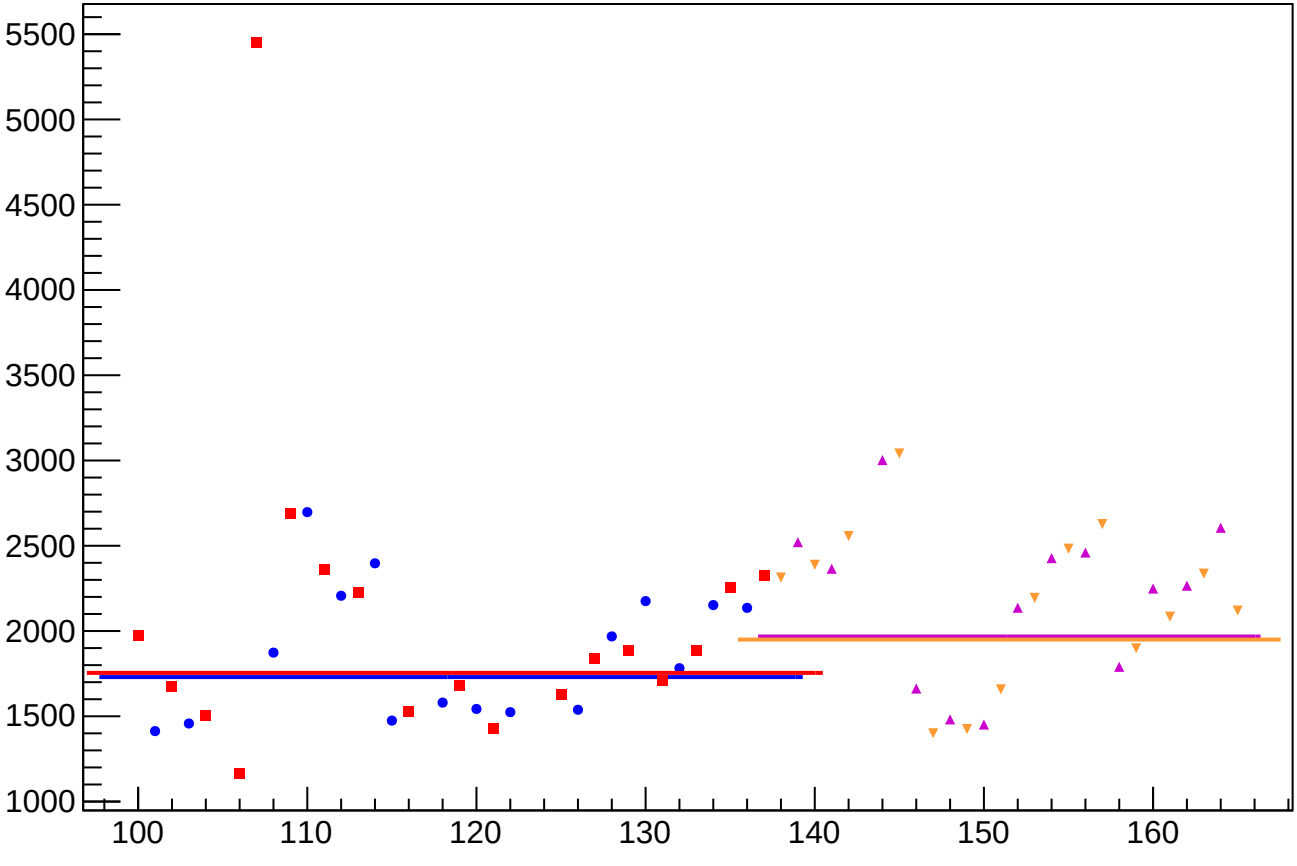
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -664.555+/-608.529 χ²/NDF:20.2/13
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 535.139+/-612.833 χ²/NDF:7.6/12
Left: -68.935+/-431.809 χ²/NDF: 29.7/26
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 198.532+/-448.522 χ²/NDF:24.6/28
Out: -608.788+/-452.935 χ²/NDF:34.2/31
All: -201.176+/-318.701 χ²/NDF: 60.4/60

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: 1949.875+/-0.430 χ^2/NDF:1140381.3/13

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

Left: 1958.728+/-0.305 χ^2/NDF: 2228010.0/26

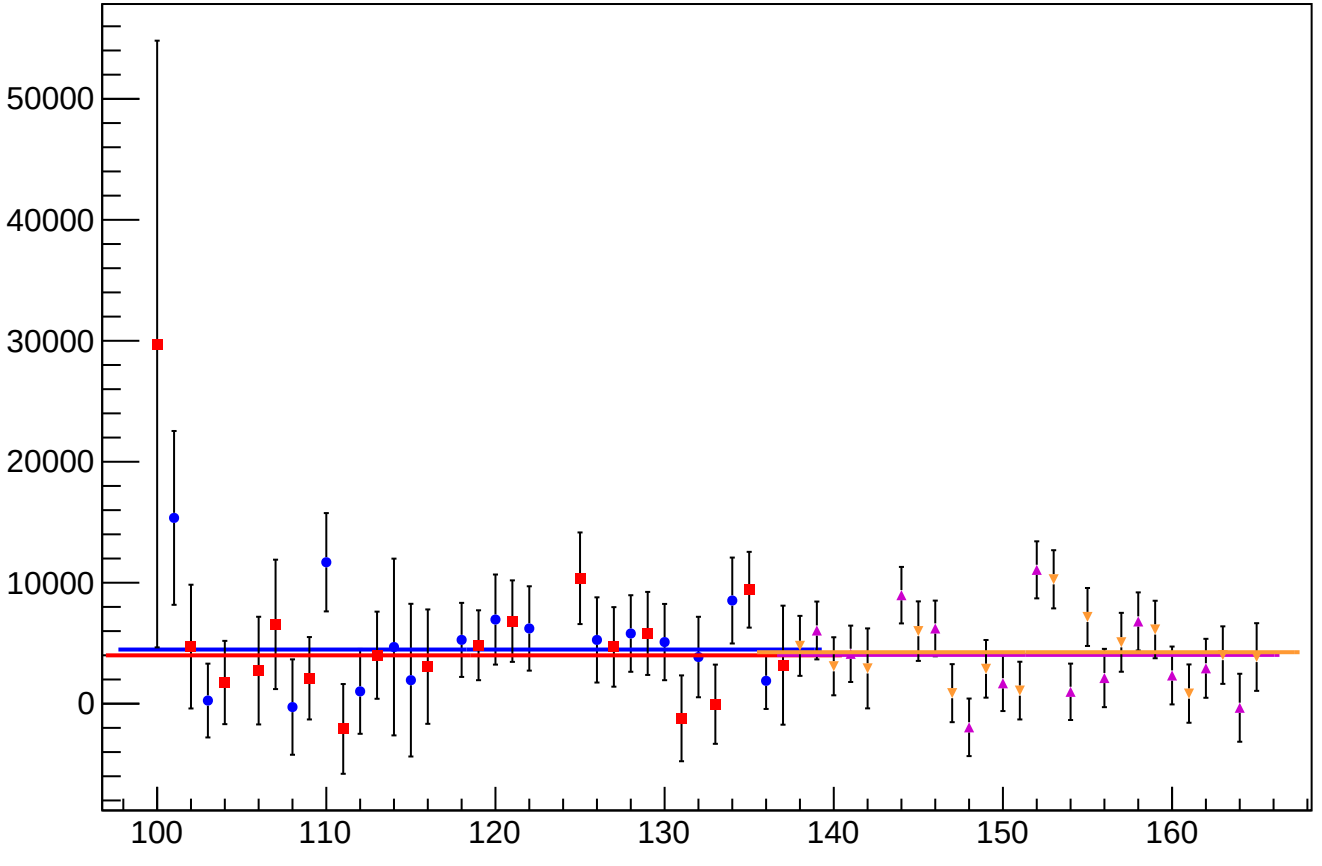
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1857.281+/-0.317 χ^2/NDF:1706518.5/28

Out: 1862.749+/-0.320 χ^2/NDF:1983314.6/31

All: 1859.988+/-0.225 χ^2/NDF: 3689980.4/60

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: 4255.015+/-661.095 χ^2/NDF:15.6/13

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4033.403+/-662.786 χ^2/NDF:29.2/12

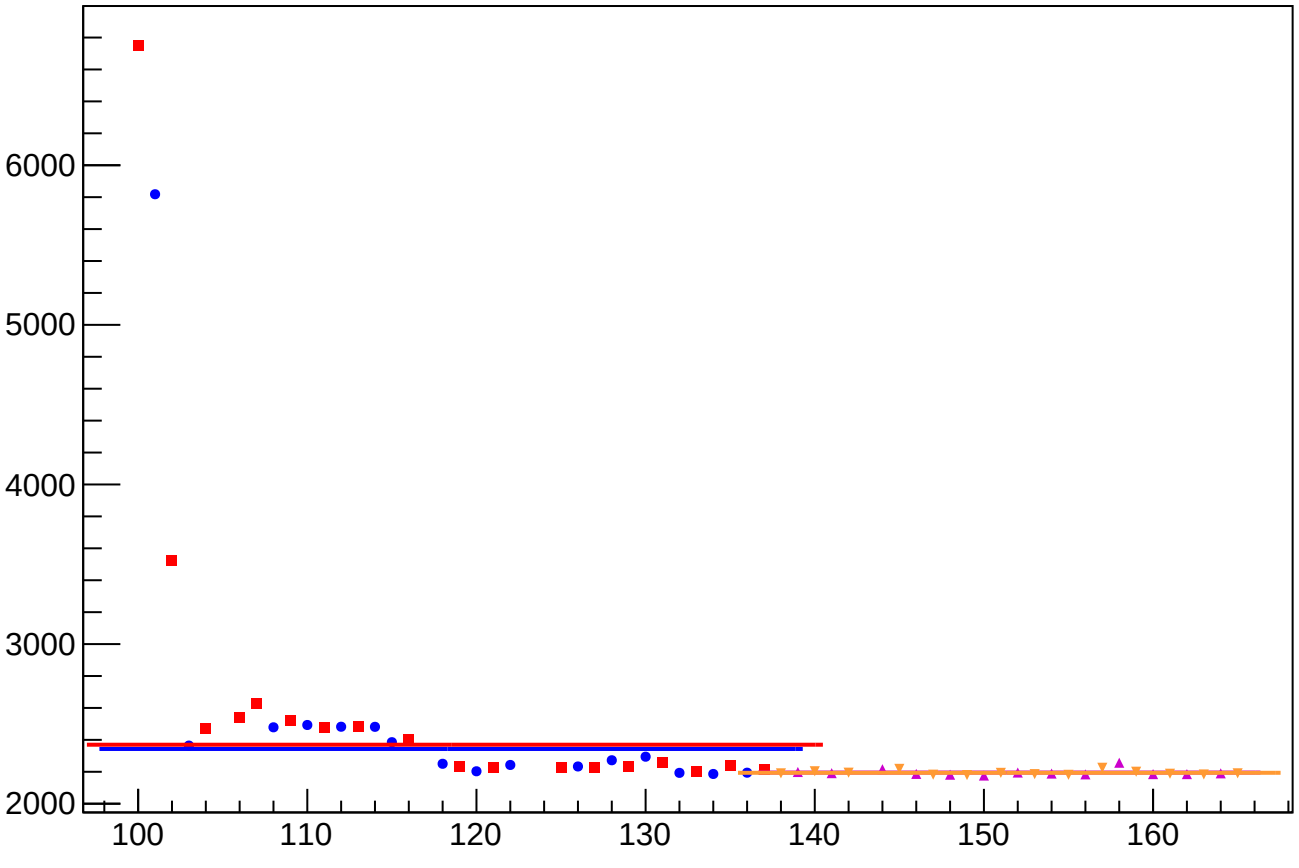
Left: 4144.492+/-468.061 χ^2/NDF: 44.8/26

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4192.346+/-530.740 χ^2/NDF:42.9/28

Out: 4162.907+/-530.797 χ^2/NDF:31.1/31

All: 4177.628+/-375.310 χ^2/NDF: 74.0/60



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.681+/-0.467 χ^2/NDF:838.4/13

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

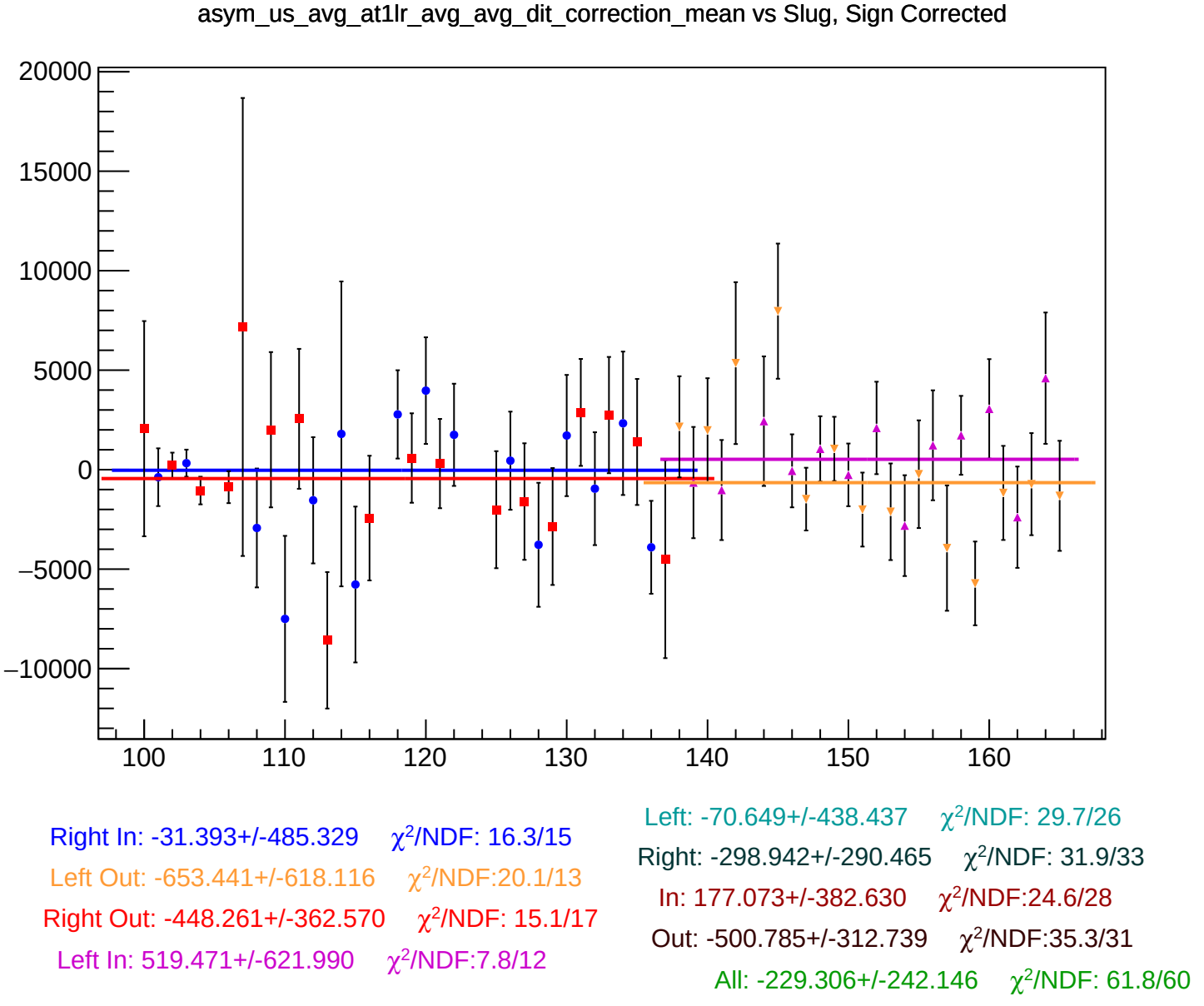
Left: 2194.417+/-0.331 χ^2/NDF: 2682.9/26

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

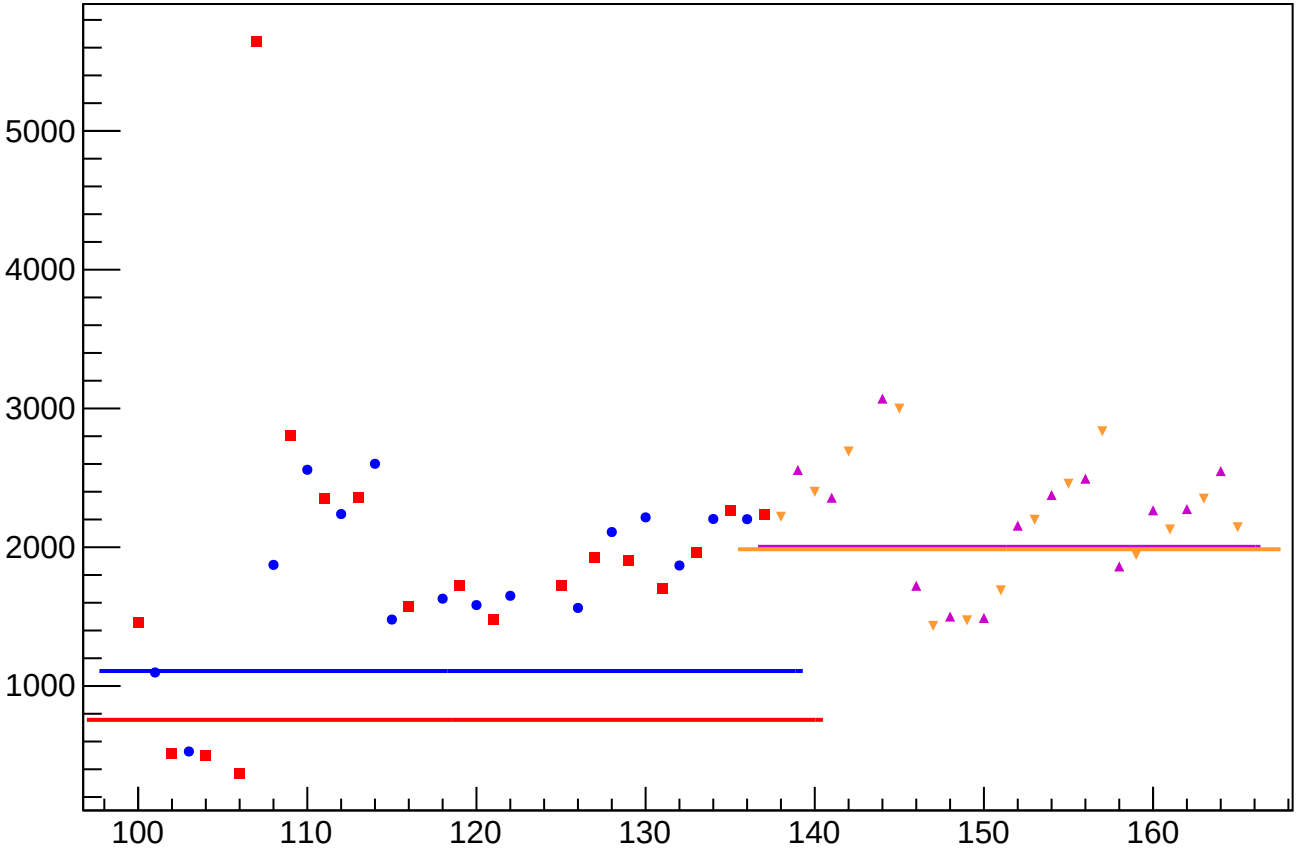
In: 2248.167+/-0.375 χ^2/NDF:540366.8/28

Out: 2256.183+/-0.375 χ^2/NDF:261294.2/31

All: 2252.174+/-0.265 χ^2/NDF: 801889.1/60


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: -653.441+/-618.116 χ²/NDF:20.1/13
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: 519.471+/-621.990 χ²/NDF:7.8/12
Left: -70.649+/-438.437 χ²/NDF: 29.7/26
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: 177.073+/-382.630 χ²/NDF:24.6/28
Out: -500.785+/-312.739 χ²/NDF:35.3/31
All: -229.306+/-242.146 χ²/NDF: 61.8/60

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: 1985.449+/-0.437 χ^2/NDF:1079553.6/13

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2002.966+/-0.440 χ^2/NDF:1004629.4/12

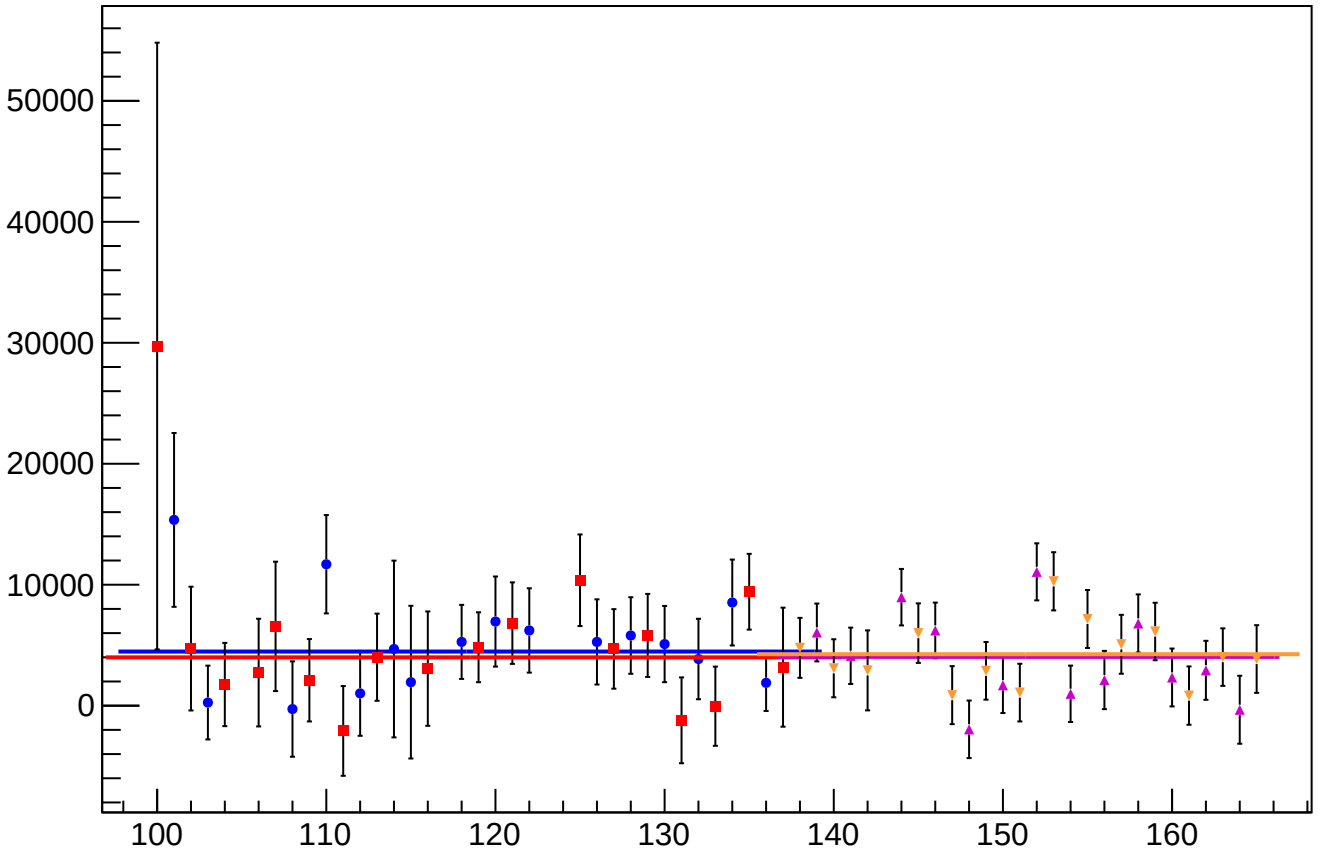
Left: 1994.153+/-0.310 χ^2/NDF: 2084981.1/26

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1446.773+/-0.271 χ^2/NDF:7324032.0/28

Out: 1071.039+/-0.221 χ^2/NDF:12565707.3/31

All: 1221.518+/-0.171 χ^2/NDF: 21045921.7/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4255.012+/-661.095 χ^2/NDF:15.6/13

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4033.405+/-662.786 χ^2/NDF:29.2/12

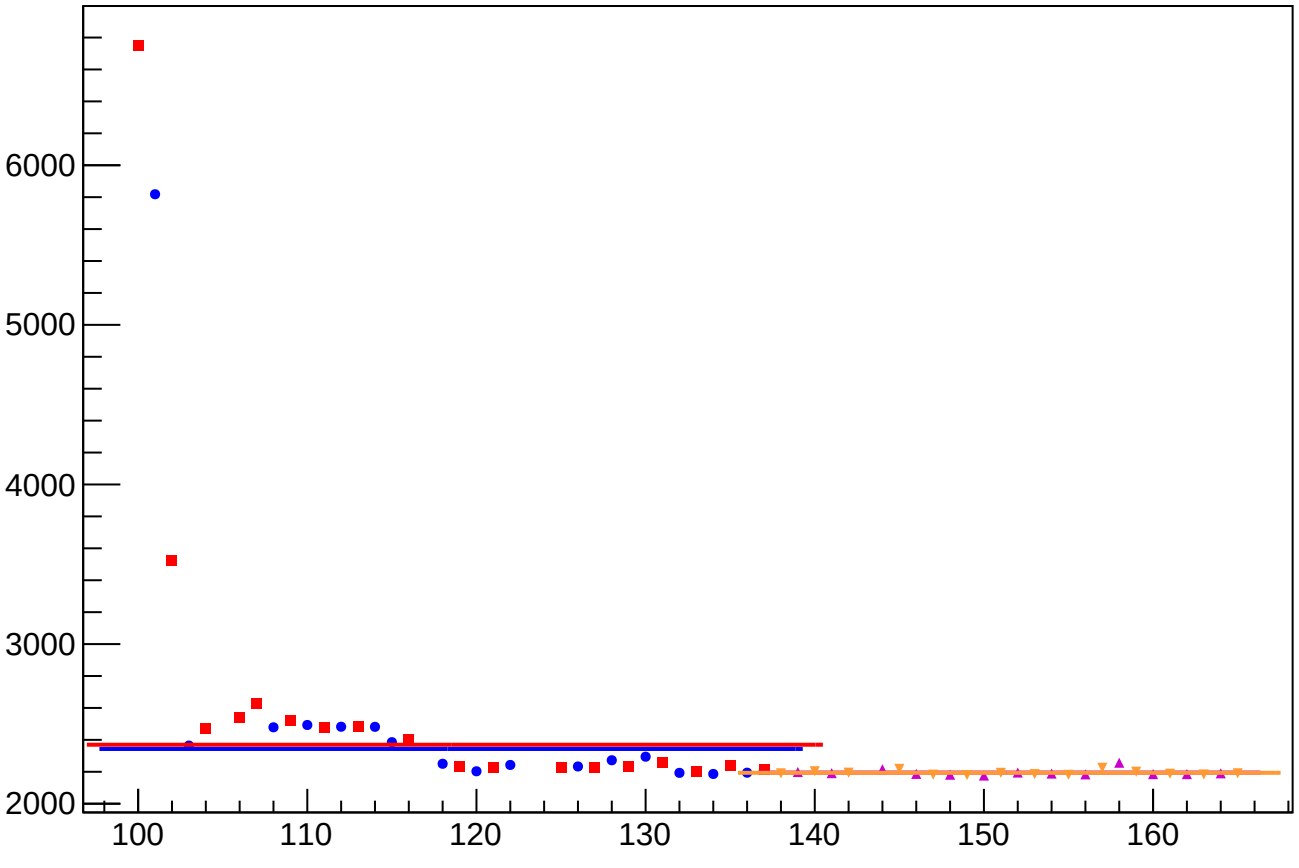
Left: 4144.492+/-468.061 χ^2/NDF: 44.8/26

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4192.346+/-530.740 χ^2/NDF:42.9/28

Out: 4162.904+/-530.797 χ^2/NDF:31.1/31

All: 4177.627+/-375.310 χ^2/NDF: 74.0/60



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.681+/-0.467 χ^2/NDF:838.4/13

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

Left: 2194.417+/-0.331 χ^2/NDF: 2682.9/26

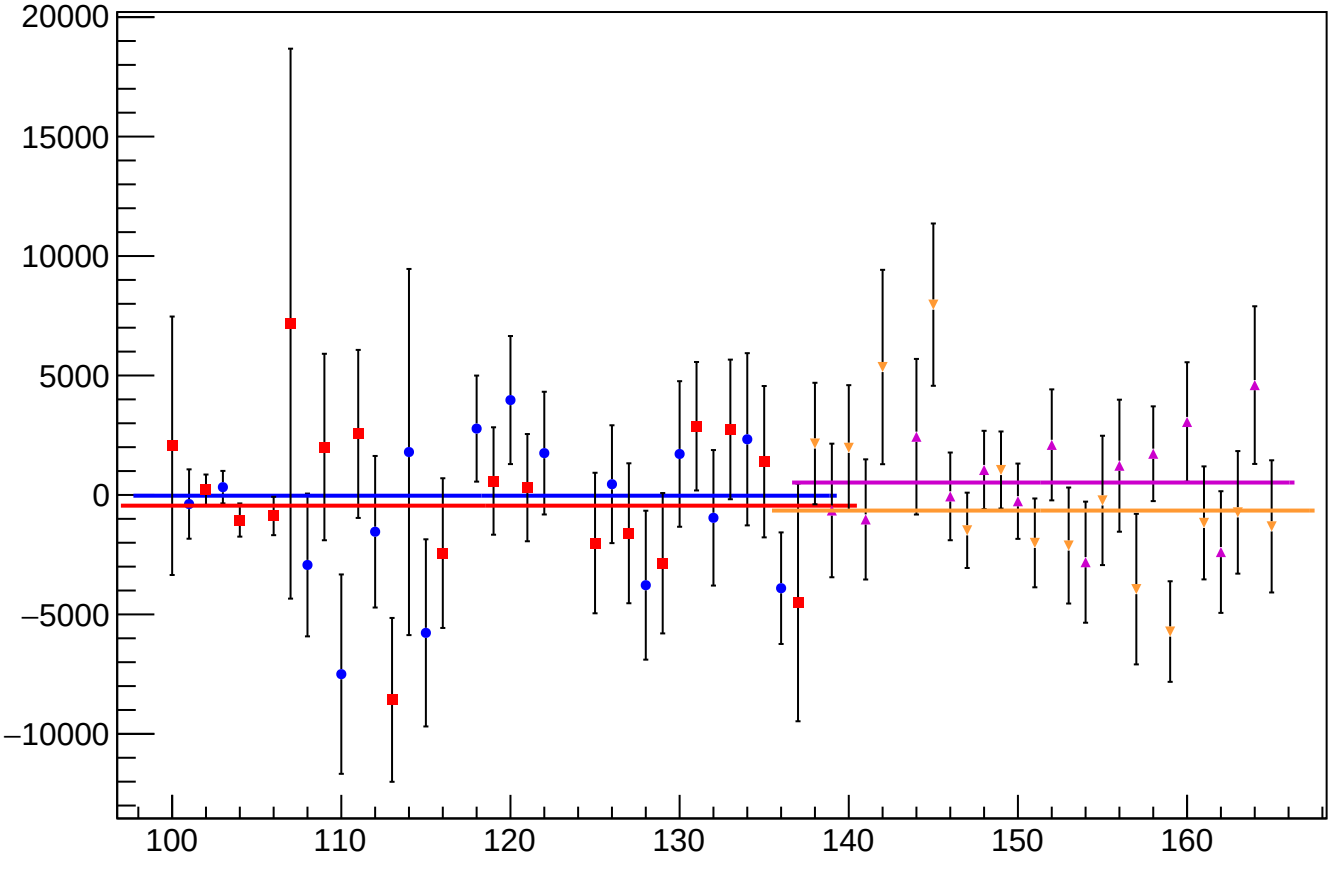
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2248.167+/-0.375 χ^2/NDF:540366.6/28

Out: 2256.183+/-0.375 χ^2/NDF:261292.8/31

All: 2252.174+/-0.265 χ^2/NDF: 801887.5/60

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: -653.446+/-618.117 χ^2/NDF:20.1/13

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 519.473+/-621.991 χ^2/NDF:7.8/12

Left: -70.651+/-438.438 χ^2/NDF: 29.7/26

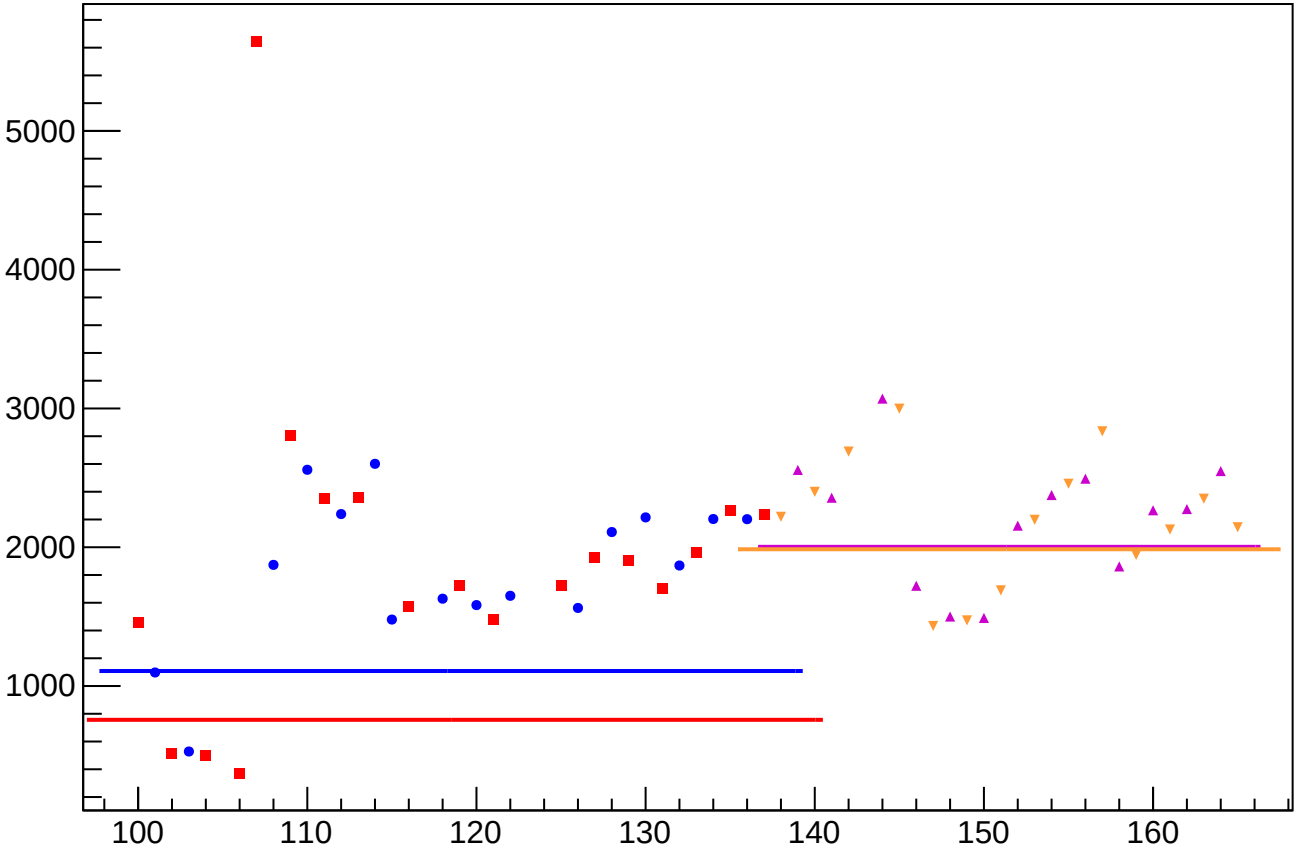
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 177.071+/-382.632 χ^2/NDF:24.6/28

Out: -500.790+/-312.742 χ^2/NDF:35.3/31

All: -229.308+/-242.148 χ^2/NDF: 61.8/60

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: 1985.453+/-0.437 χ^2/NDF:1079553.7/13

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2002.969+/-0.440 χ^2/NDF:1004628.8/12

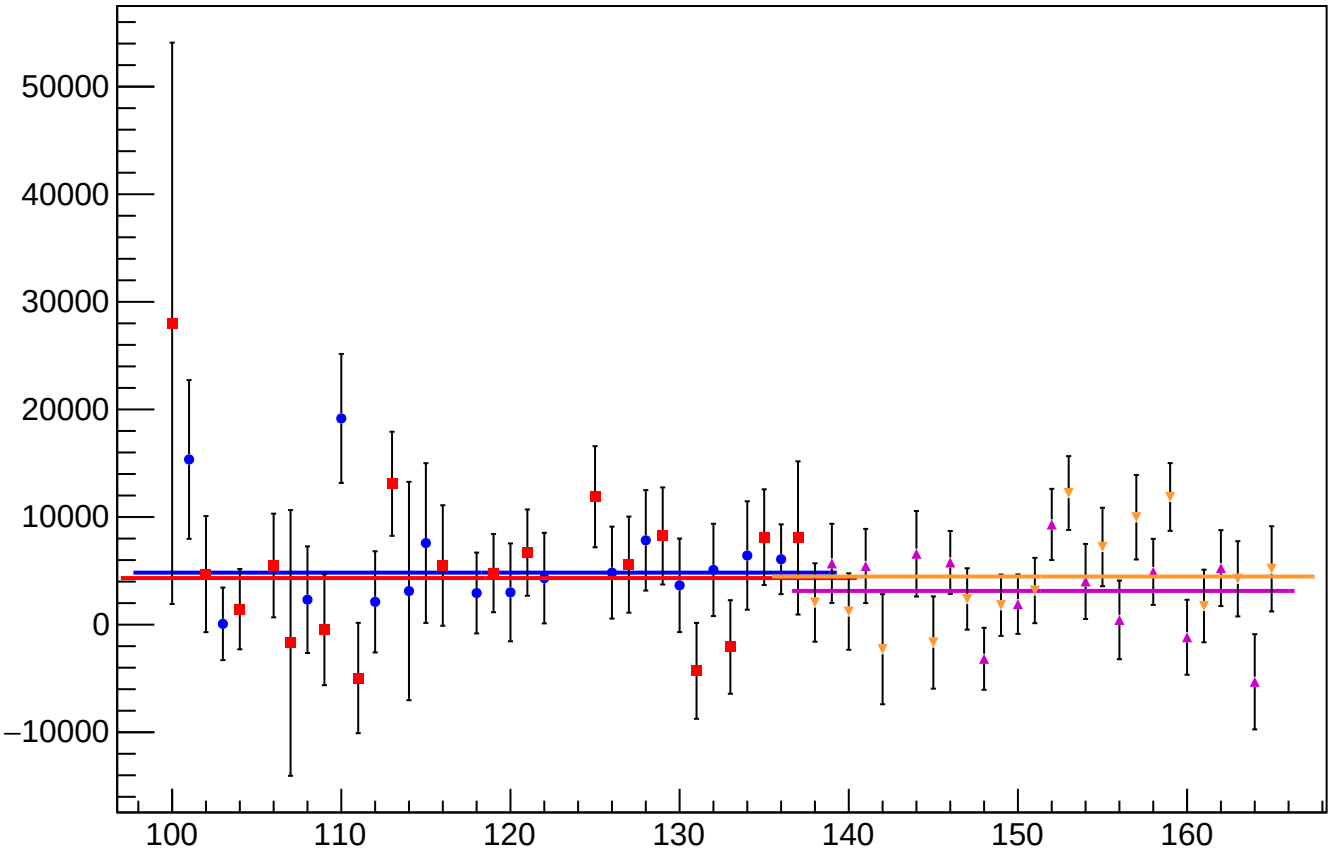
Left: 1994.156+/-0.310 χ^2/NDF: 2084980.6/26

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1446.782+/-0.271 χ^2/NDF:7323904.9/28

Out: 1071.056+/-0.221 χ^2/NDF:12565424.0/31

All: 1221.534+/-0.171 χ^2/NDF: 21045444.4/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4470.930+/-928.138 χ^2/NDF:20.5/13

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3134.429+/-929.303 χ^2/NDF:17.5/12

Left: 3803.518+/-656.704 χ^2/NDF: 39.0/26

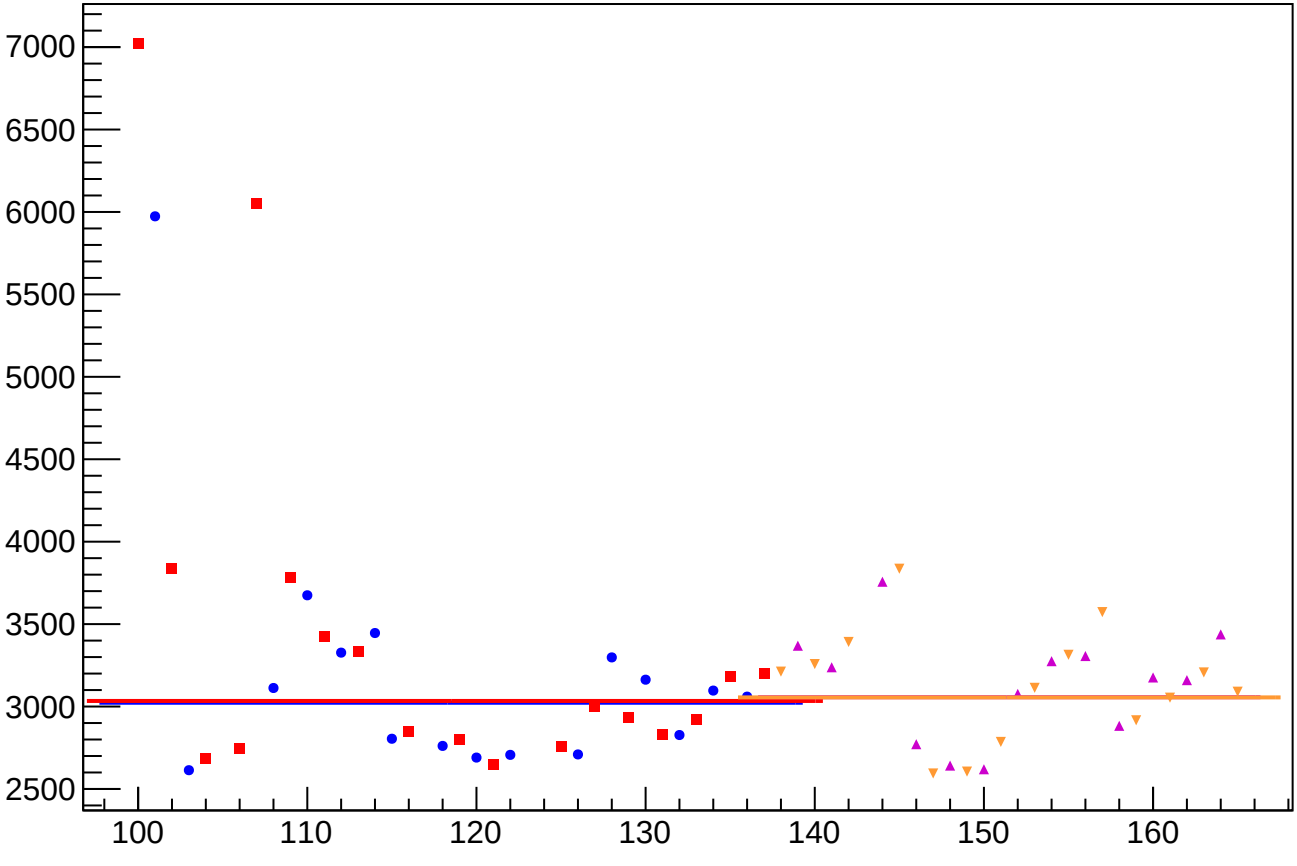
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3811.053+/-720.938 χ^2/NDF:30.5/28

Out: 4414.465+/-720.896 χ^2/NDF:40.4/31

All: 4112.777+/-509.765 χ^2/NDF: 71.2/60

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: 3055.429+/-0.656 χ^2/NDF:256219.2/13

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3056.638+/-0.657 χ^2/NDF:235134.5/12

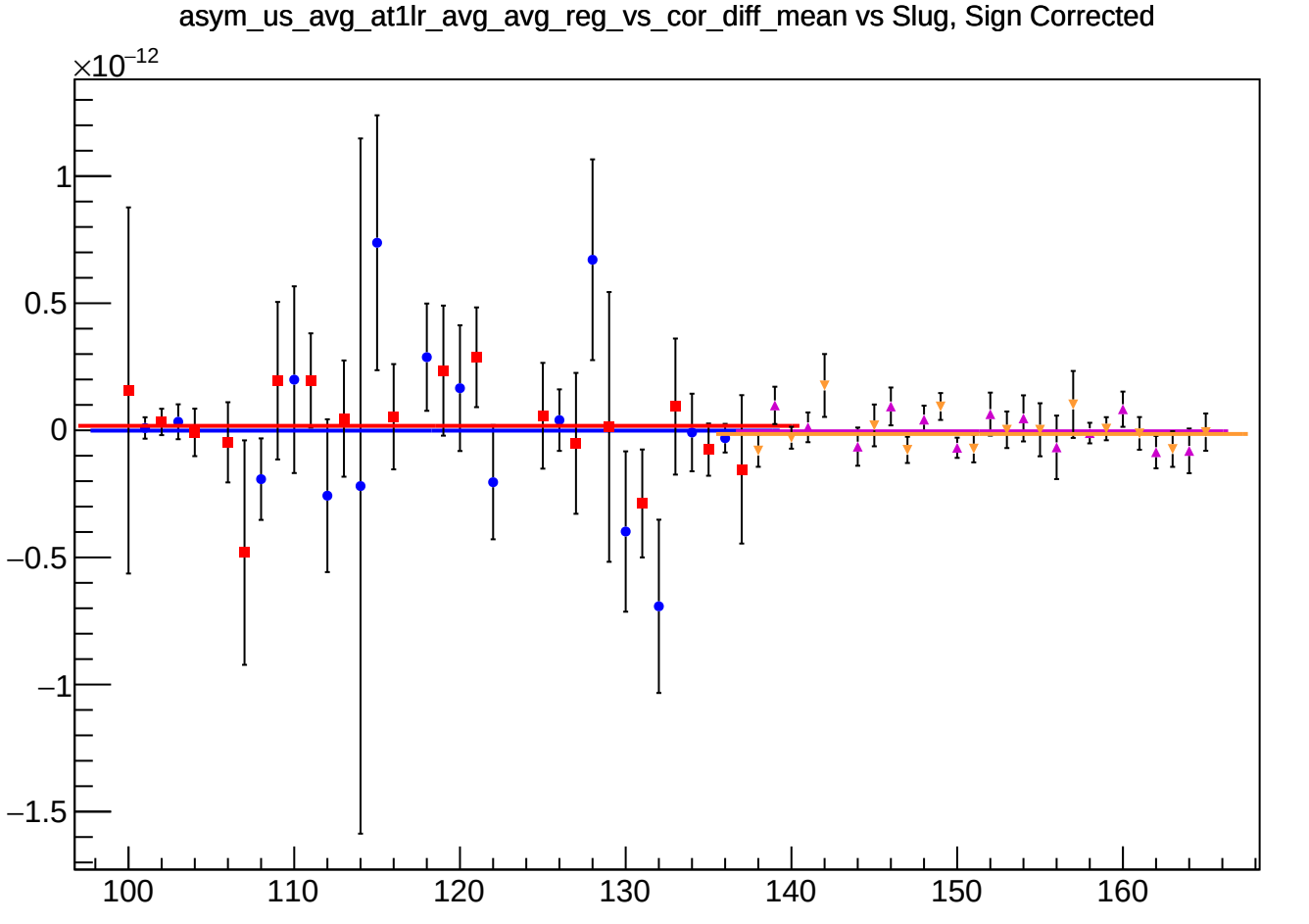
Left: 3056.033+/-0.464 χ^2/NDF: 491355.4/26

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3043.272+/-0.510 χ^2/NDF:679879.4/28

Out: 3046.876+/-0.510 χ^2/NDF:599322.1/31

All: 3045.074+/-0.360 χ^2/NDF: 1279226.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/12

Left: -0.000+/-0.000 χ^2/NDF: 25.5/26

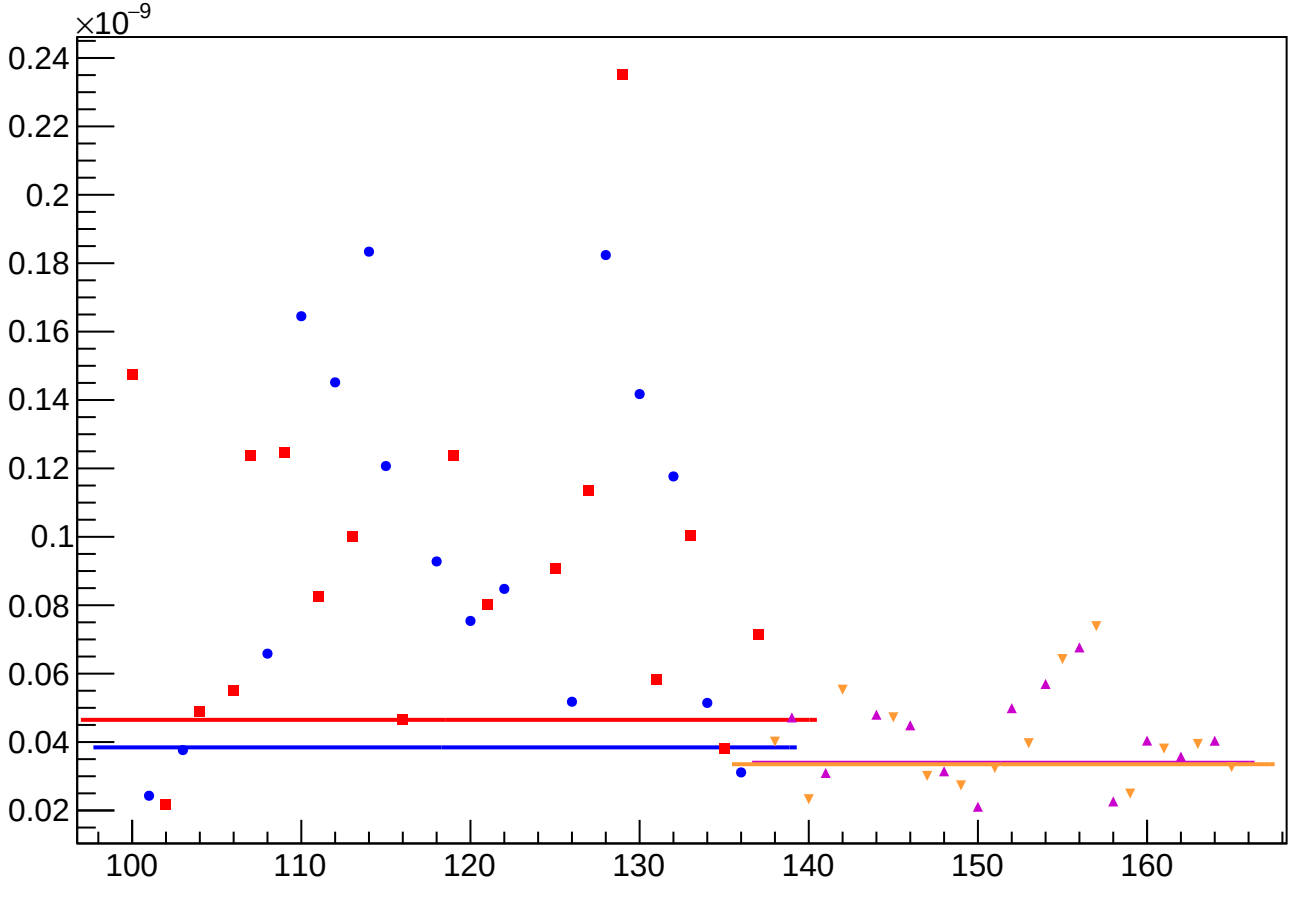
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:30.1/28

Out: -0.000+/-0.000 χ^2/NDF:22.0/31

All: -0.000+/-0.000 χ^2/NDF: 52.1/60

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:761110.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:929764.9/12

Left: 0.000+/-0.000 χ^2/NDF: 1691516.4/26

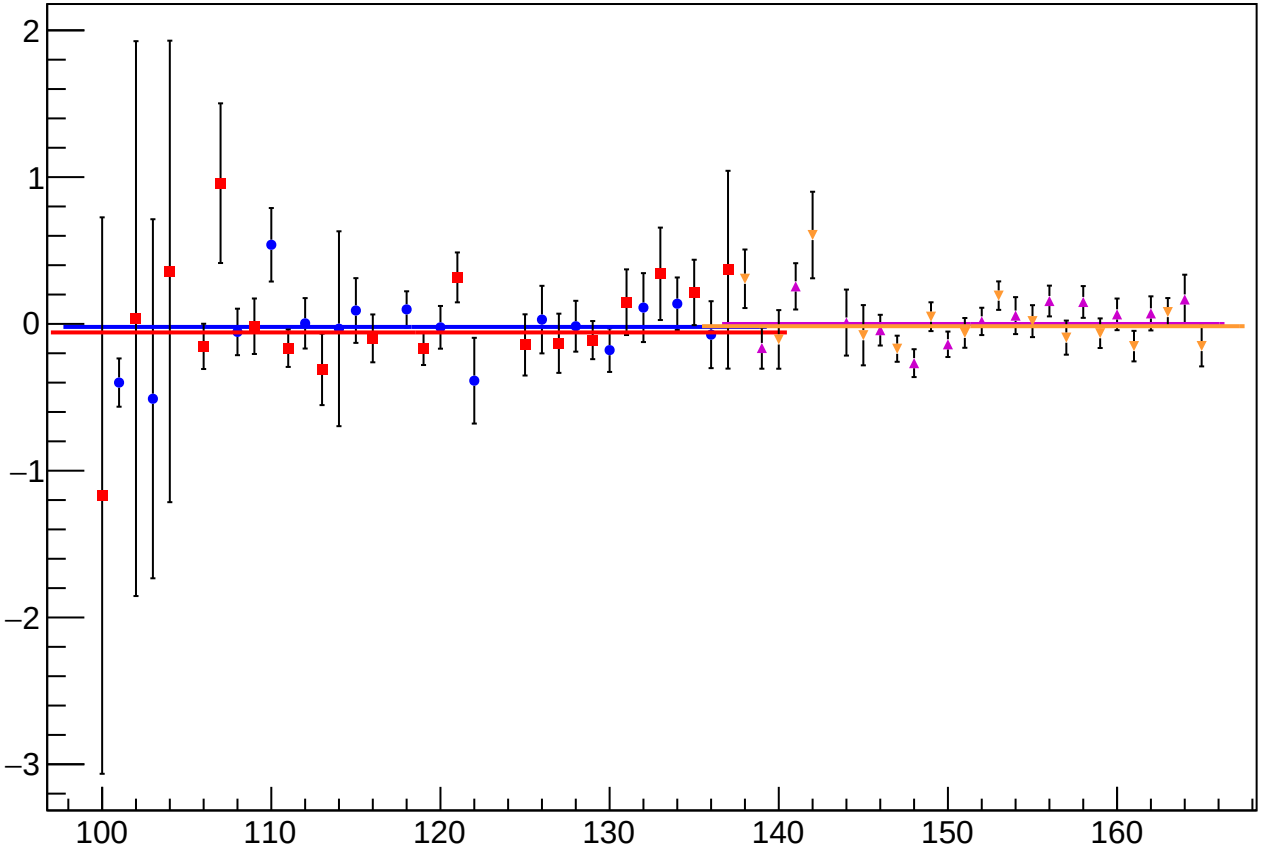
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:2739887.8/28

Out: 0.000+/-0.000 χ^2/NDF:2686731.1/31

All: 0.000+/-0.000 χ^2/NDF: 5429235.6/60

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: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

Left: -0.008+/-0.022 χ^2/NDF: 40.9/26

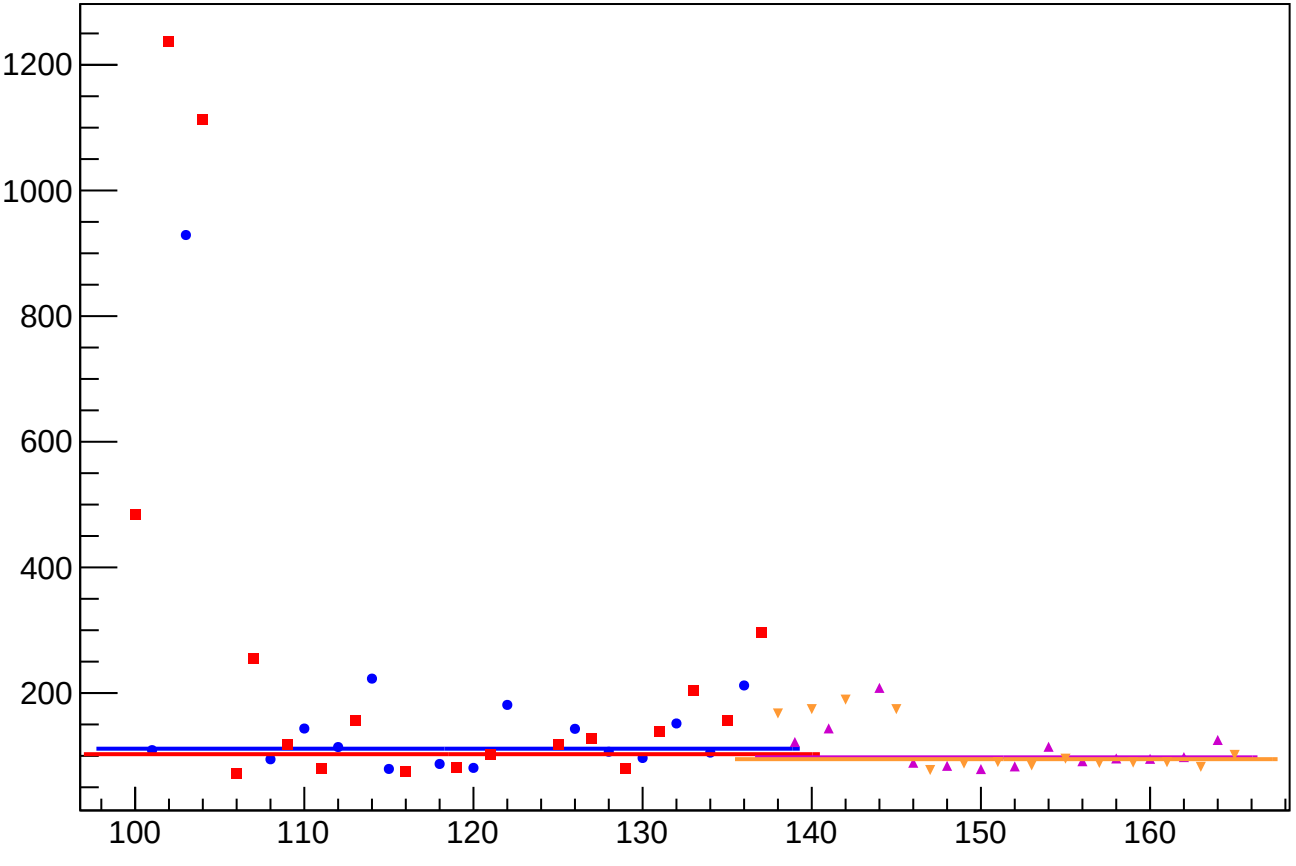
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.018+/-0.018 χ^2/NDF: 74.3/60

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: 94.749+/-0.022 χ^2/NDF:1256236.7/13

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.655+/-0.022 χ^2/NDF:1006373.6/12

Left: 96.177+/-0.016 χ^2/NDF: 2271161.9/26

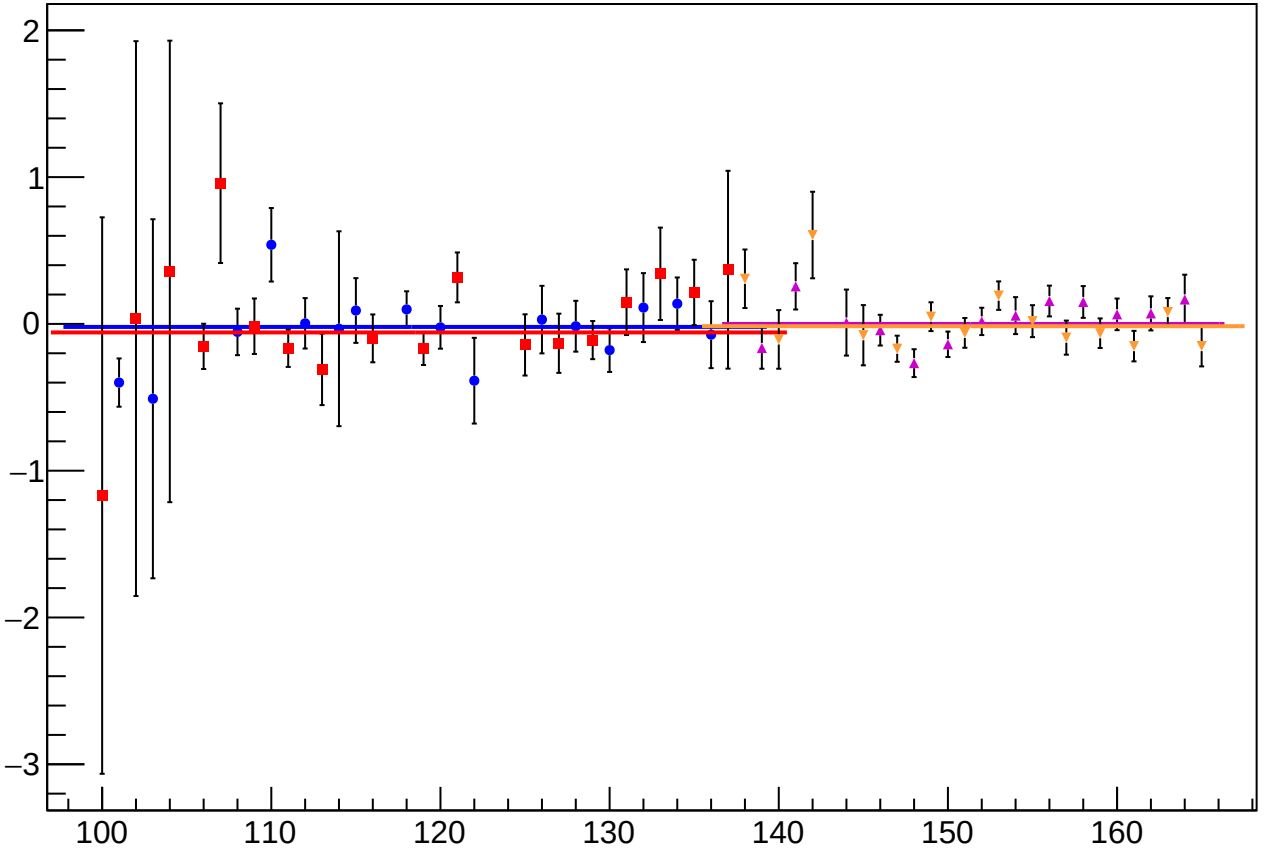
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.874+/-0.019 χ^2/NDF:2961309.2/28

Out: 97.211+/-0.018 χ^2/NDF:4123286.9/31

All: 99.497+/-0.013 χ^2/NDF: 7116450.2/60

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: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

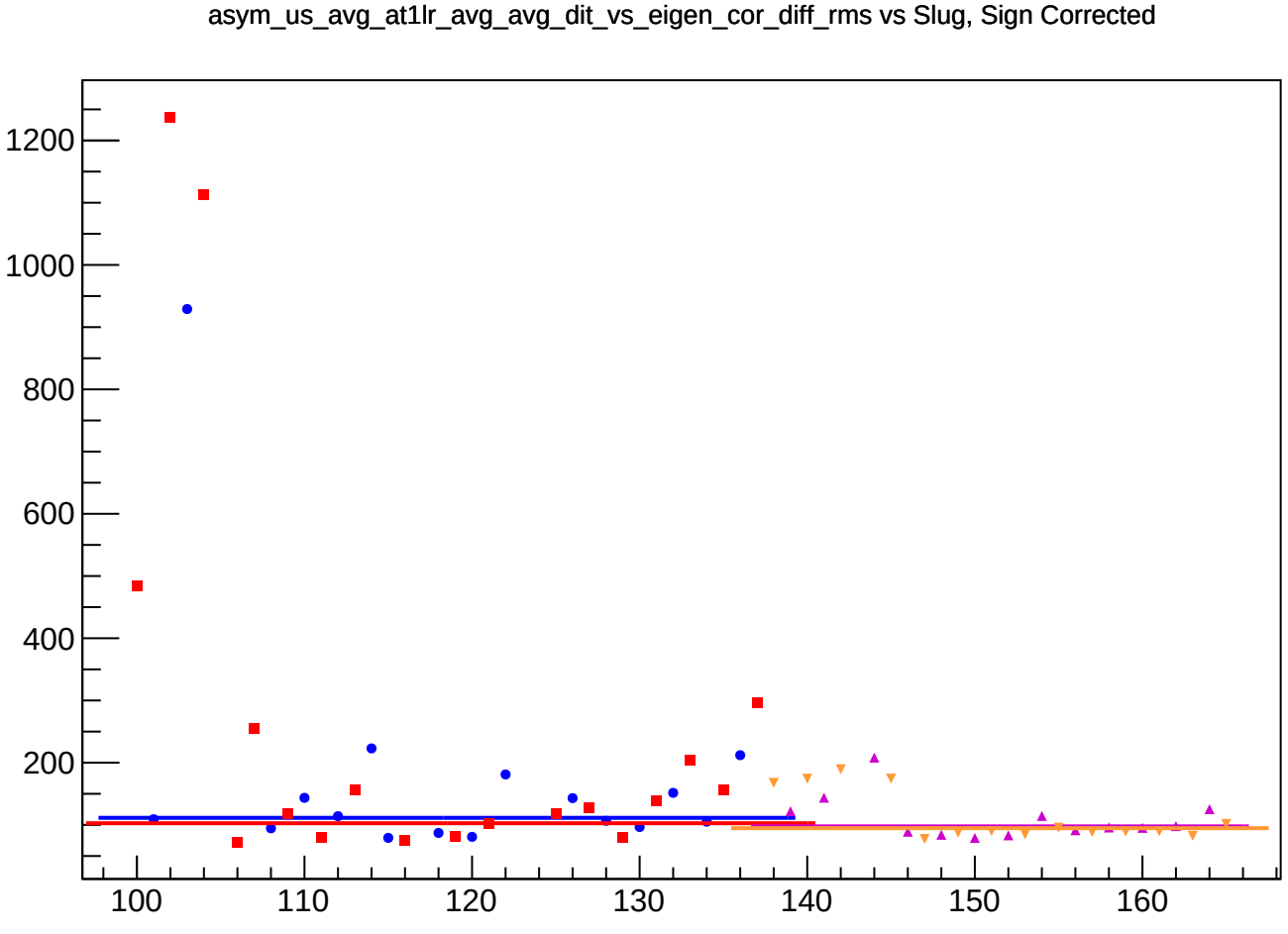
Left: -0.008+/-0.022 χ^2/NDF: 40.9/26

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.018+/-0.018 χ^2/NDF: 74.3/60



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256236.7/13

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.655+/-0.022 χ^2/NDF:1006373.6/12

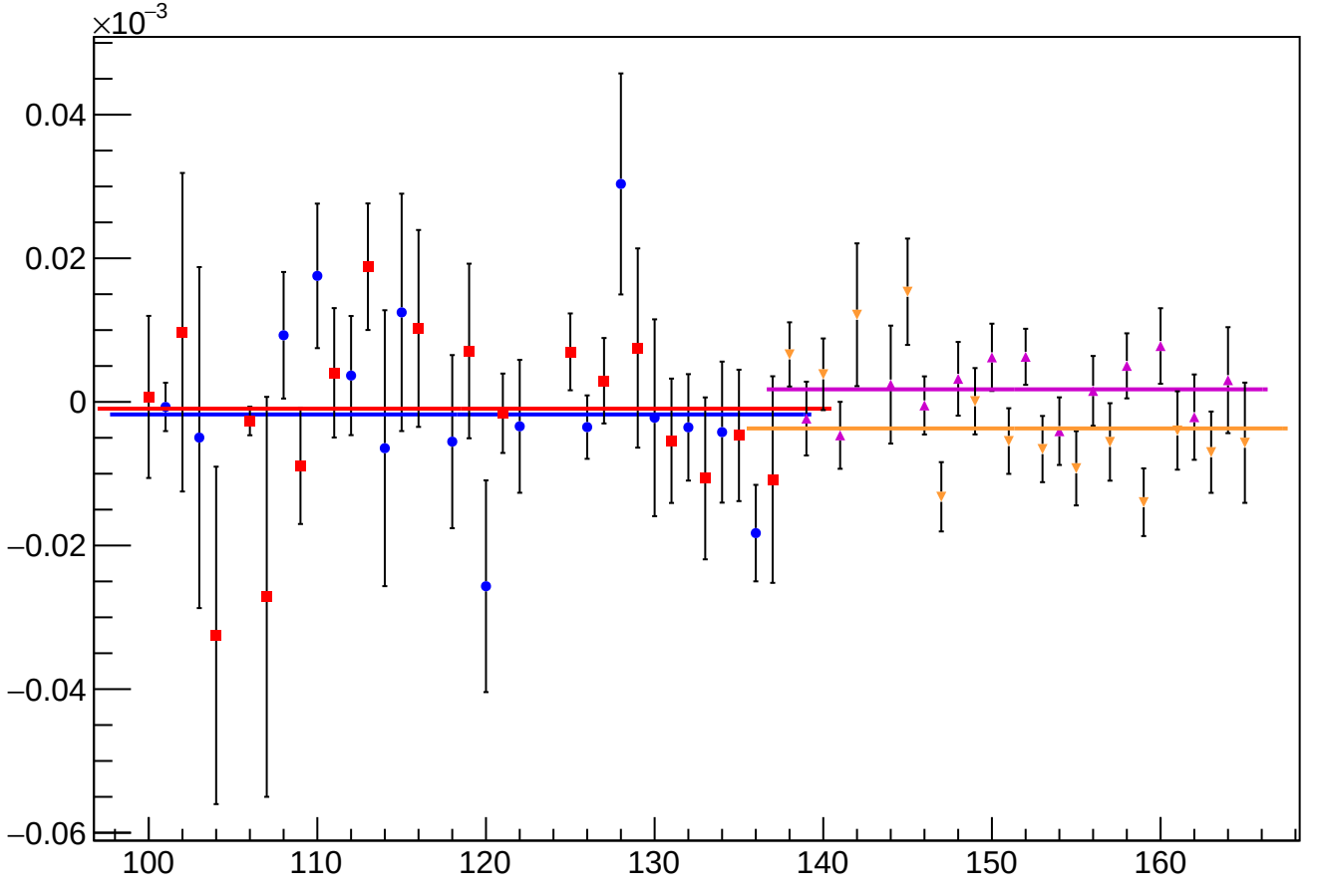
Left: 96.177+/-0.016 χ^2/NDF: 2271161.9/26

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.874+/-0.019 χ^2/NDF:2961309.2/28

Out: 97.211+/-0.018 χ^2/NDF:4123286.9/31

All: 99.497+/-0.013 χ^2/NDF: 7116450.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/12

Left: -0.000+/-0.000 χ^2/NDF: 44.9/26

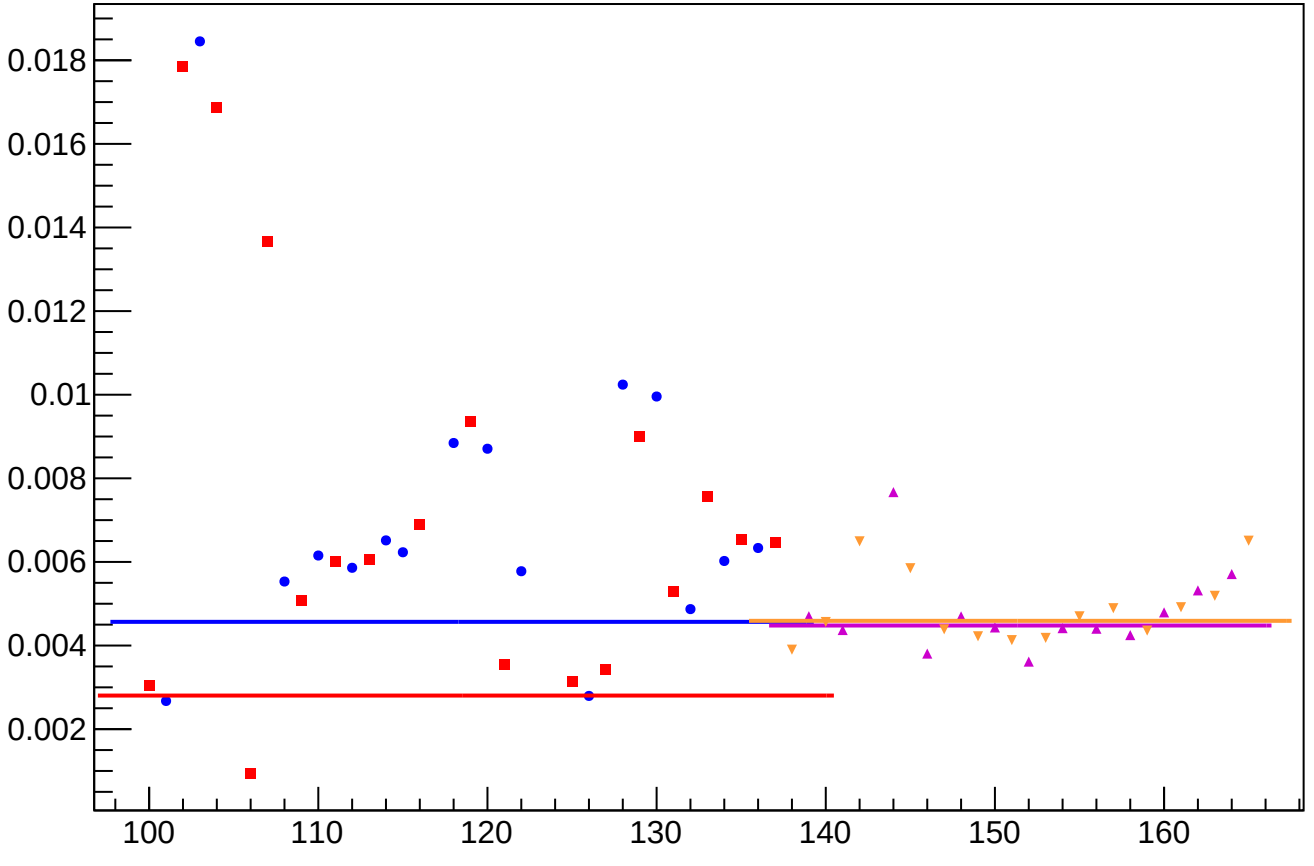
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.2/28

Out: -0.000+/-0.000 χ^2/NDF:45.8/31

All: -0.000+/-0.000 χ^2/NDF: 80.8/60

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:377488.7/13

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:572274.5/12

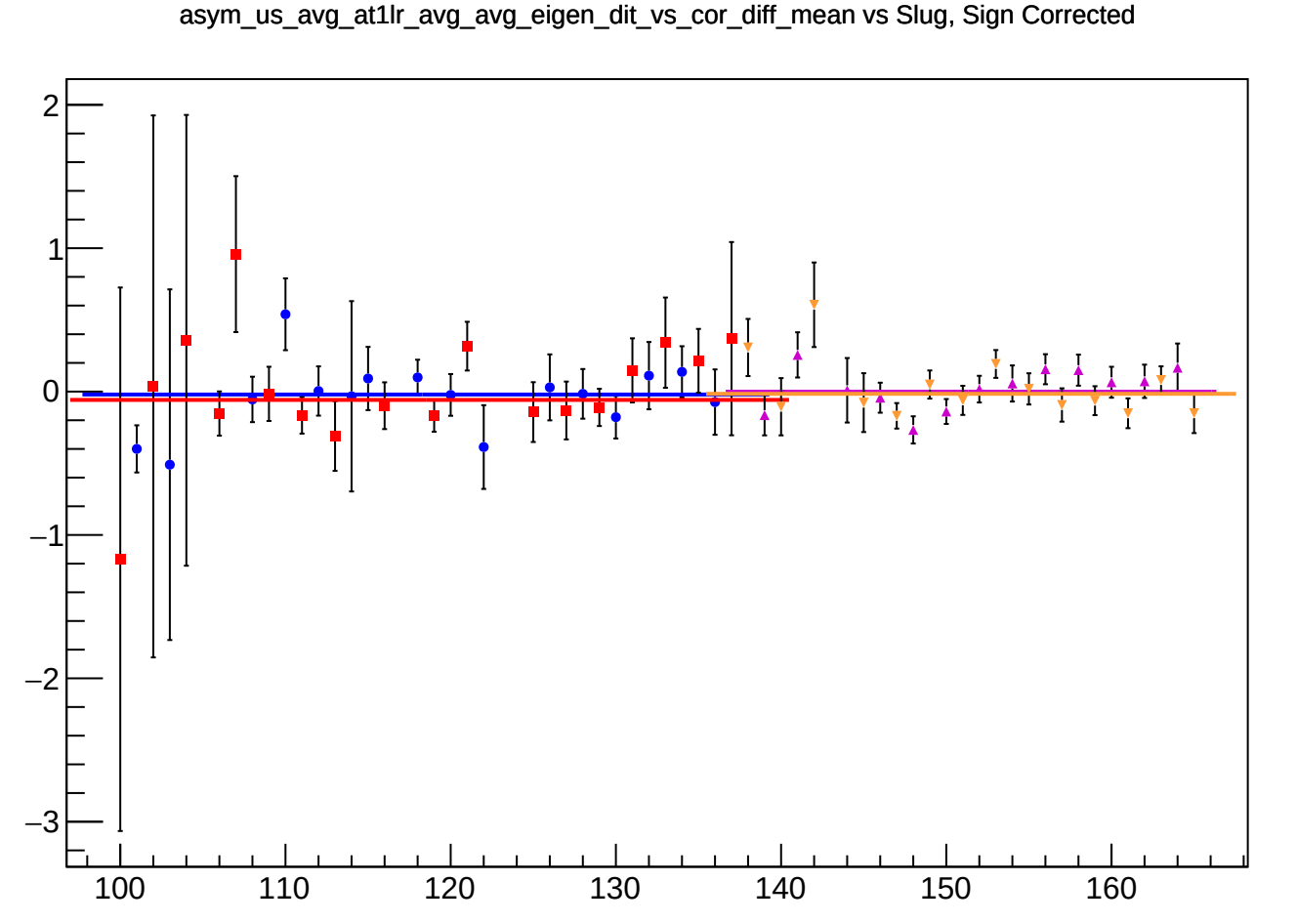
Left: 0.005+/-0.000 χ^2/NDF: 956219.7/26

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3587283.3/28

Out: 0.004+/-0.000 χ^2/NDF:8513580.7/31

All: 0.004+/-0.000 χ^2/NDF: 12619763.5/60



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

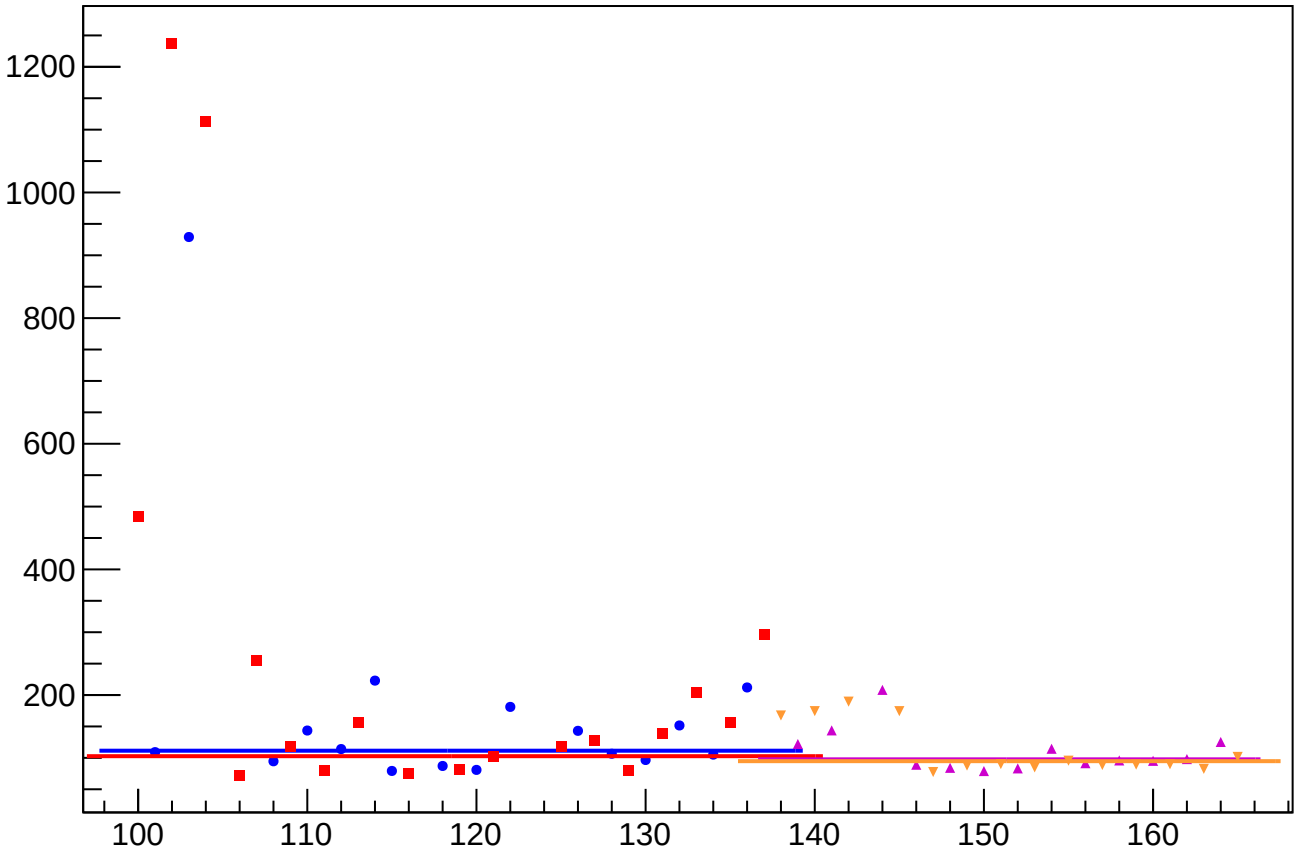
Left: -0.008+/-0.022 χ^2/NDF: 40.9/26

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.018+/-0.018 χ^2/NDF: 74.3/60



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256215.5/13

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.655+/-0.022 χ^2/NDF:1006353.5/12

Left: 96.178+/-0.016 χ^2/NDF: 2271119.8/26

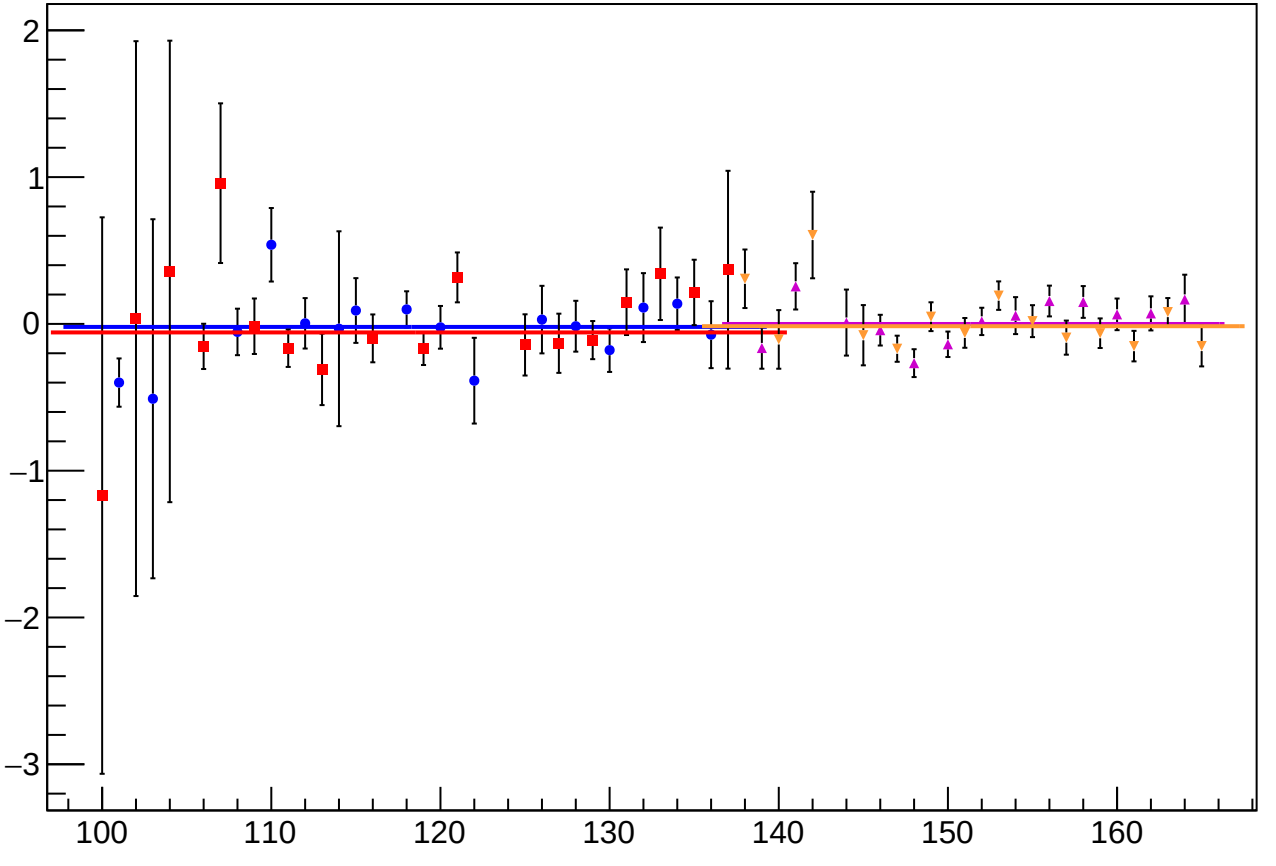
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.874+/-0.019 χ^2/NDF:2961287.5/28

Out: 97.211+/-0.018 χ^2/NDF:4123241.5/31

All: 99.496+/-0.013 χ^2/NDF: 7116378.3/60

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

Left: -0.008+/-0.022 χ^2/NDF: 40.9/26

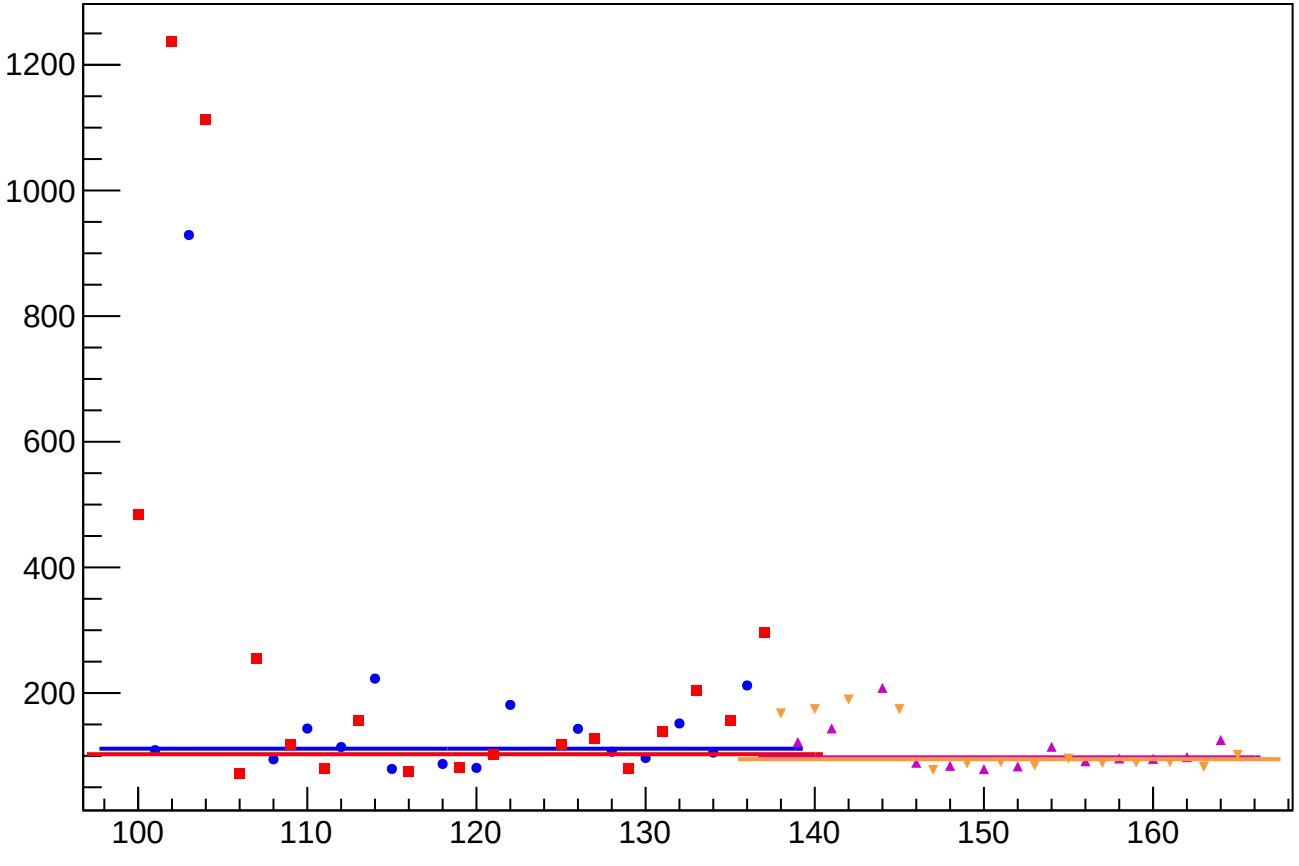
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.018+/-0.018 χ^2/NDF: 74.3/60

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: 94.749+/-0.022 χ^2/NDF:1256215.5/13

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.655+/-0.022 χ^2/NDF:1006353.5/12

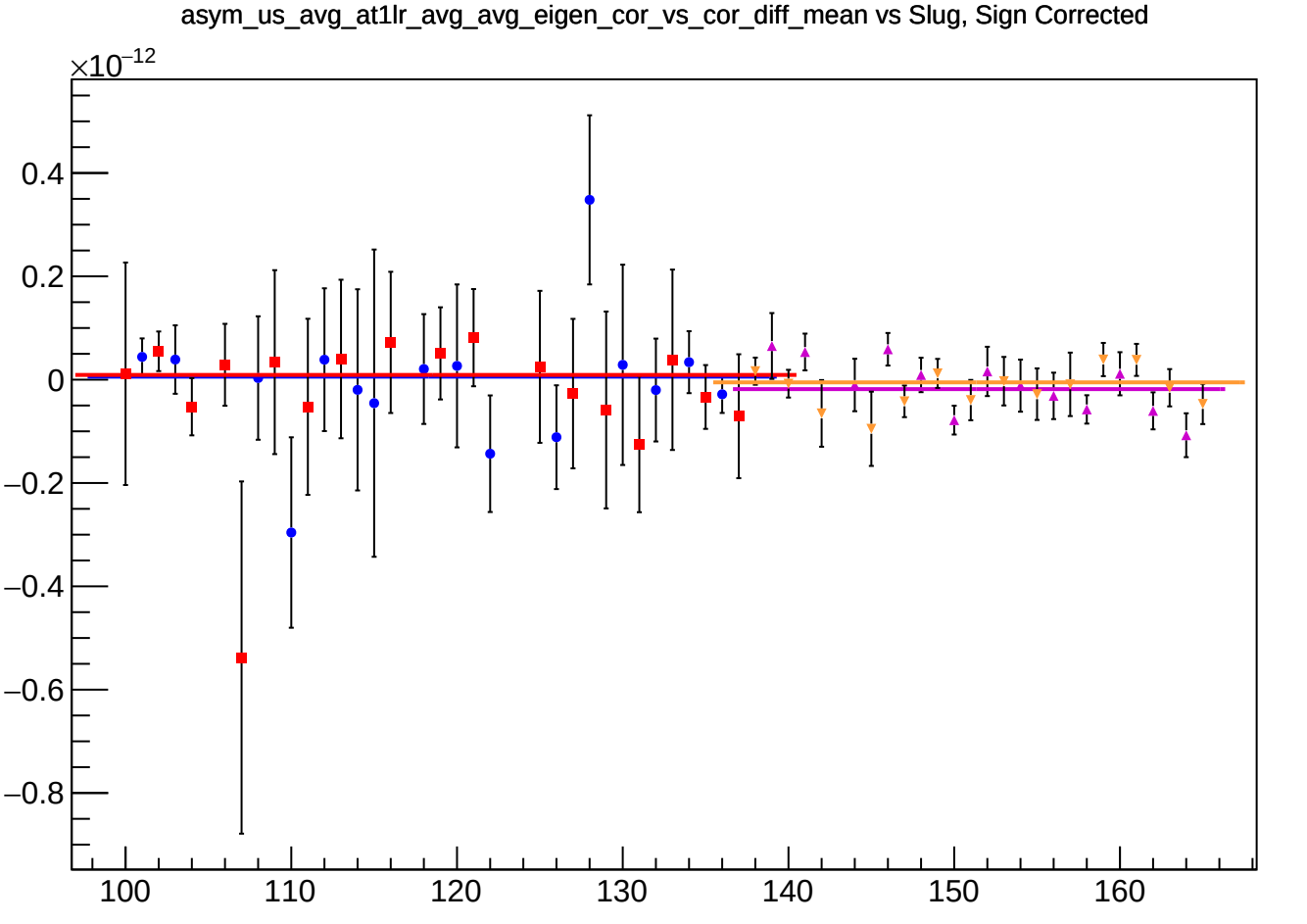
Left: 96.178+/-0.016 χ^2/NDF: 2271119.8/26

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

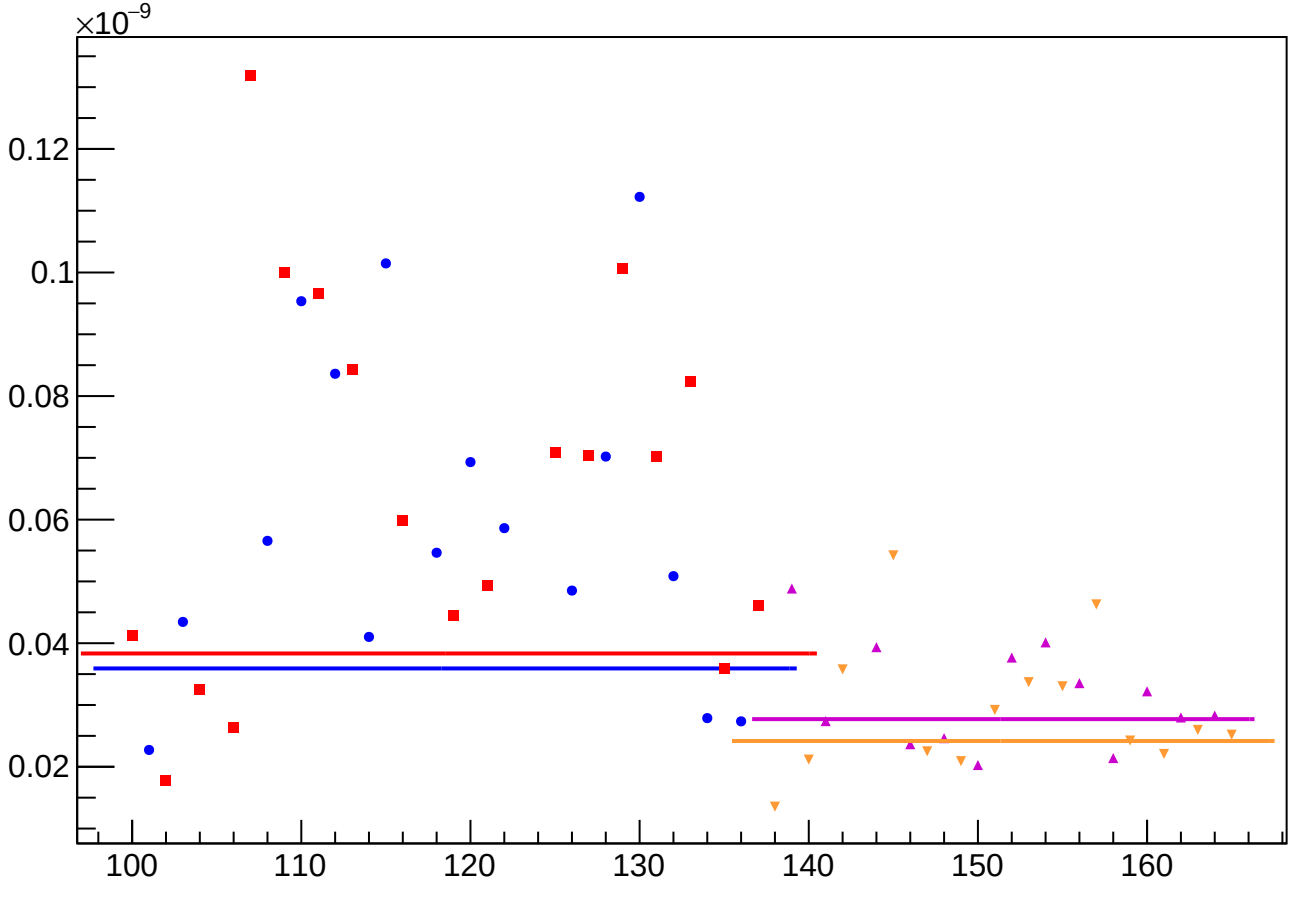
In: 101.874+/-0.019 χ^2/NDF:2961287.5/28

Out: 97.211+/-0.018 χ^2/NDF:4123241.5/31

All: 99.496+/-0.013 χ^2/NDF: 7116378.3/60


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
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:11.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:26.1/12
Left: -0.000+/-0.000 χ²/NDF: 37.9/26
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:40.2/28
Out: -0.000+/-0.000 χ²/NDF:20.1/31
All: -0.000+/-0.000 χ²/NDF: 60.9/60

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1253392.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:888811.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2266357.2/26

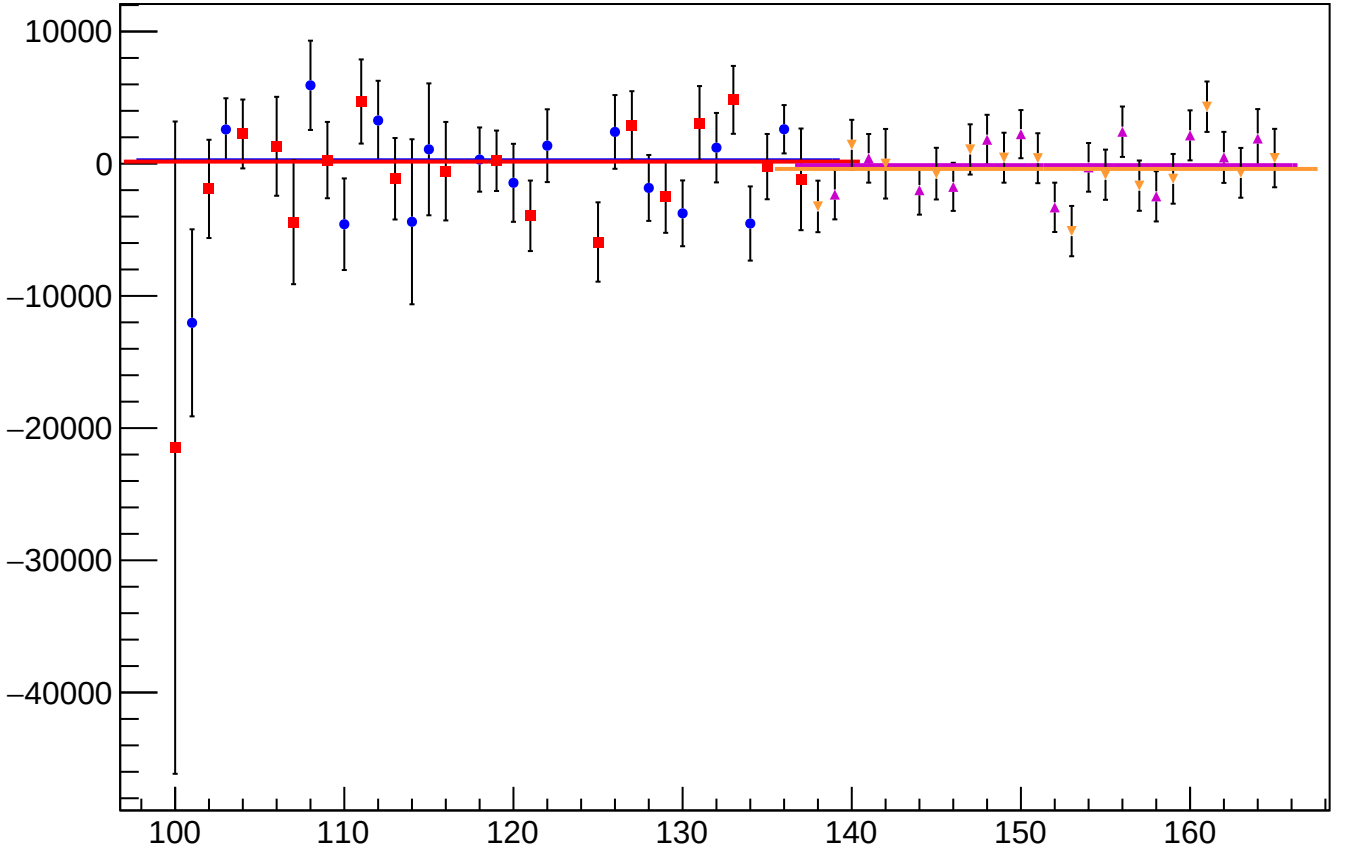
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2930208.9/28

Out: 0.000+/-0.000 χ^2/NDF:4172830.9/31

All: 0.000+/-0.000 χ^2/NDF: 7219994.4/60

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.218+/-522.573 χ^2/NDF:17.1/13

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -109.800+/-524.124 χ^2/NDF:14.6/12

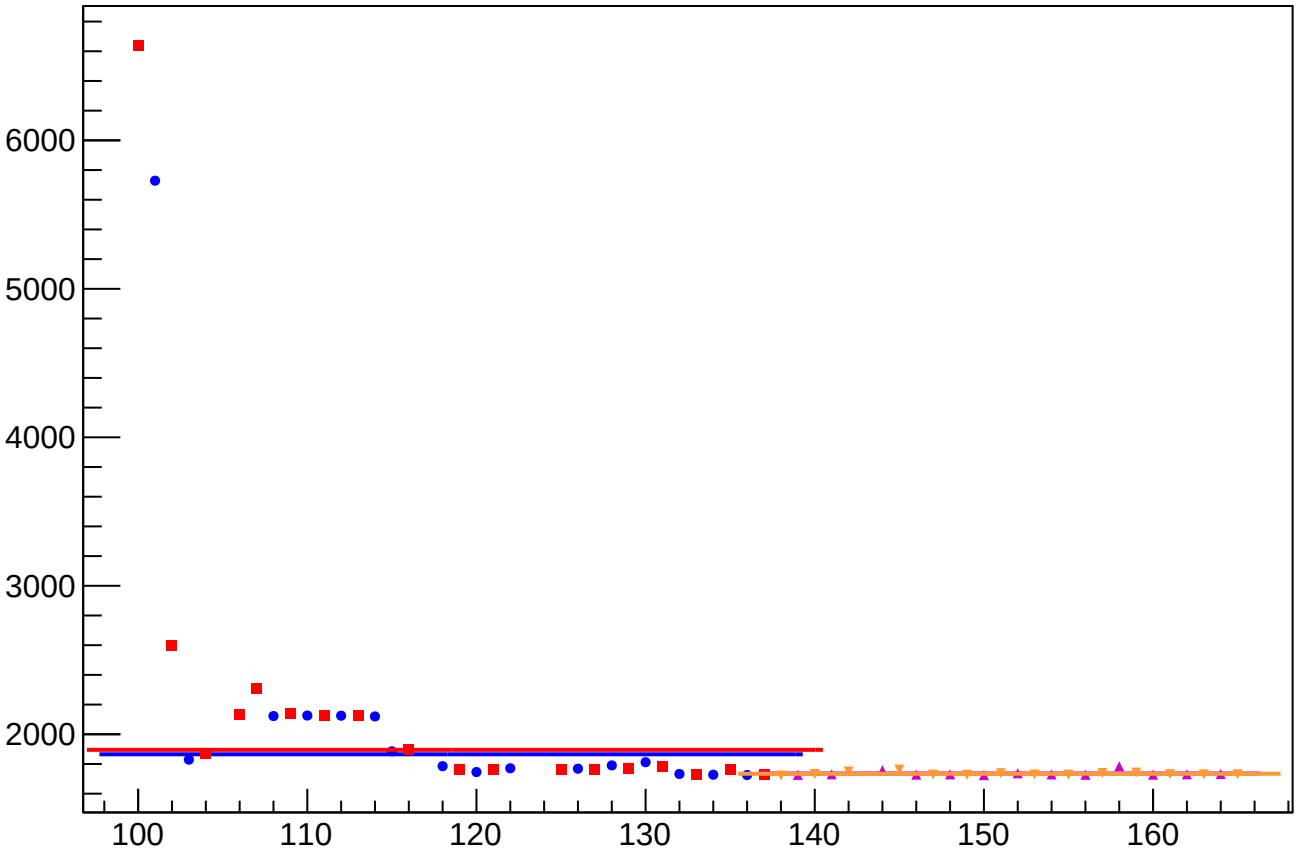
Left: -252.431+/-370.062 χ^2/NDF: 31.9/26

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 20.534+/-421.612 χ^2/NDF:34.2/28

Out: -200.536+/-421.346 χ^2/NDF:35.6/31

All: -90.071+/-298.031 χ^2/NDF: 69.9/60



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

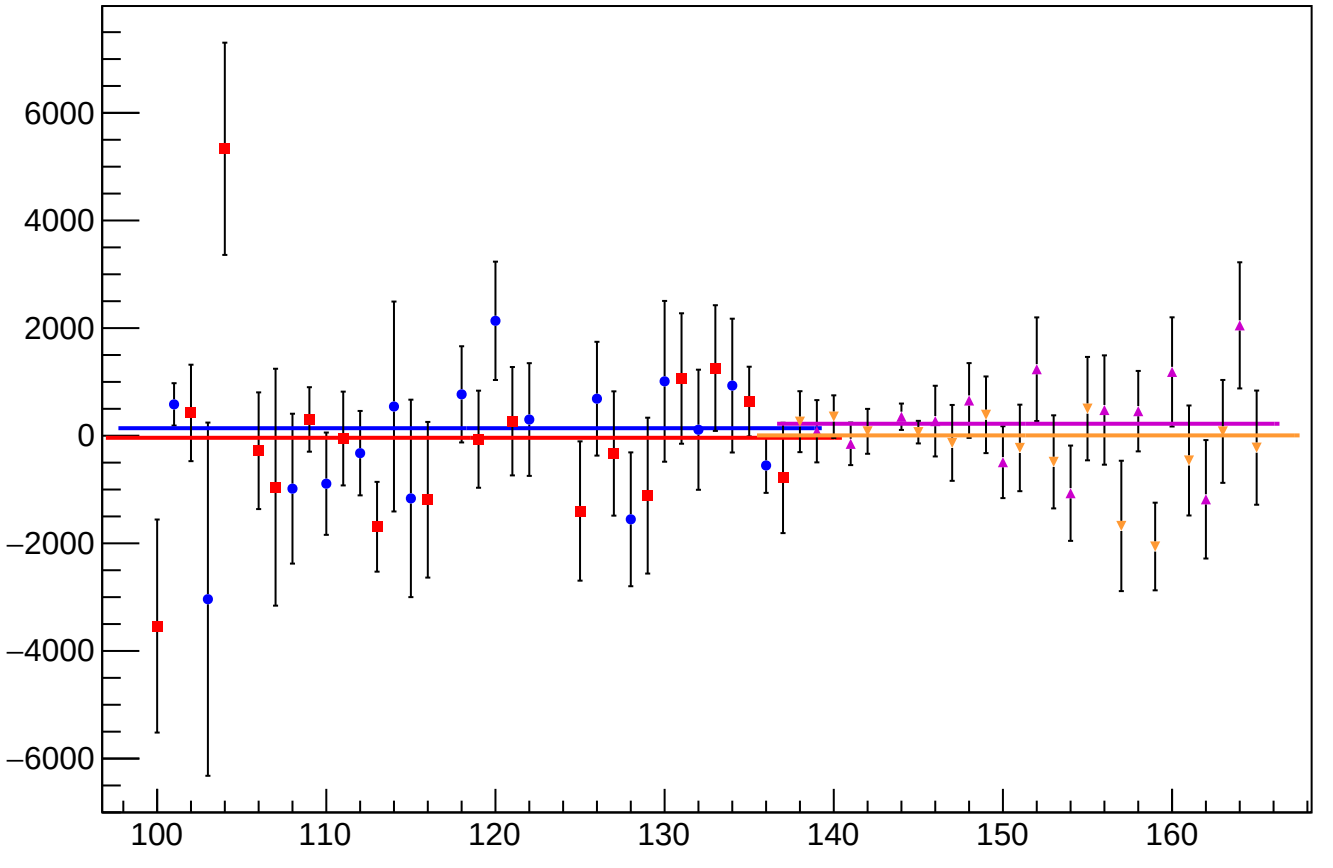
Left: 1735.088+/-0.262 χ^2/NDF: 2592.9/26

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1781.583+/-0.298 χ^2/NDF:717485.5/28

Out: 1790.543+/-0.298 χ^2/NDF:317976.4/31

All: 1786.066+/-0.211 χ^2/NDF: 1035913.9/60



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 6.008+/-140.000 χ^2/NDF:10.7/13

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 222.305+/-157.510 χ^2/NDF:11.1/12

Left: 101.471+/-104.640 χ^2/NDF: 22.9/26

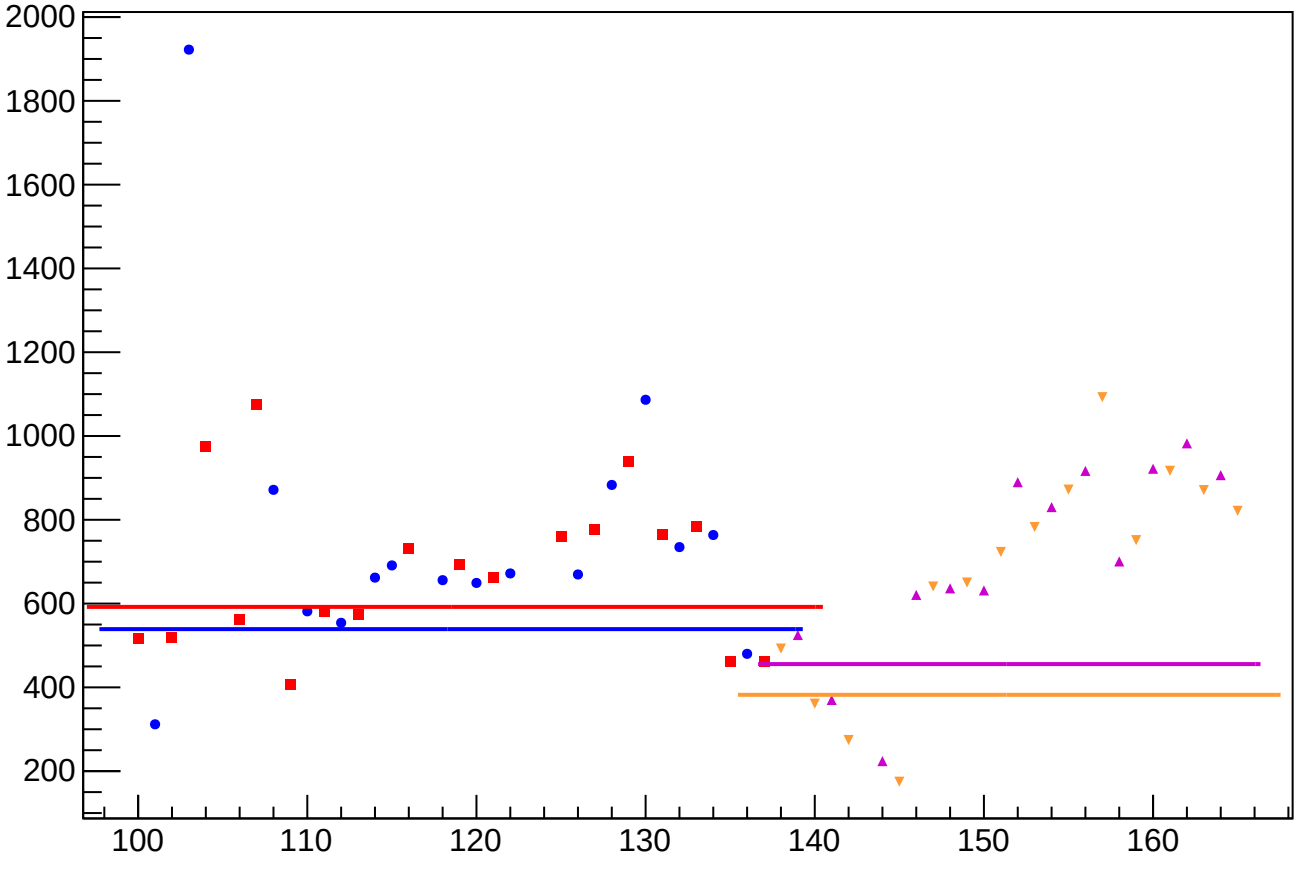
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 194.362+/-128.090 χ^2/NDF:24.7/28

Out: -5.449+/-120.704 χ^2/NDF:32.1/31

All: 88.530+/-87.846 χ^2/NDF: 58.1/60

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 382.216+/-0.099 χ^2/NDF:6540775.0/13

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 455.572+/-0.111 χ^2/NDF:4878913.2/12

Left: 414.591+/-0.074 χ^2/NDF: 11662026.8/26

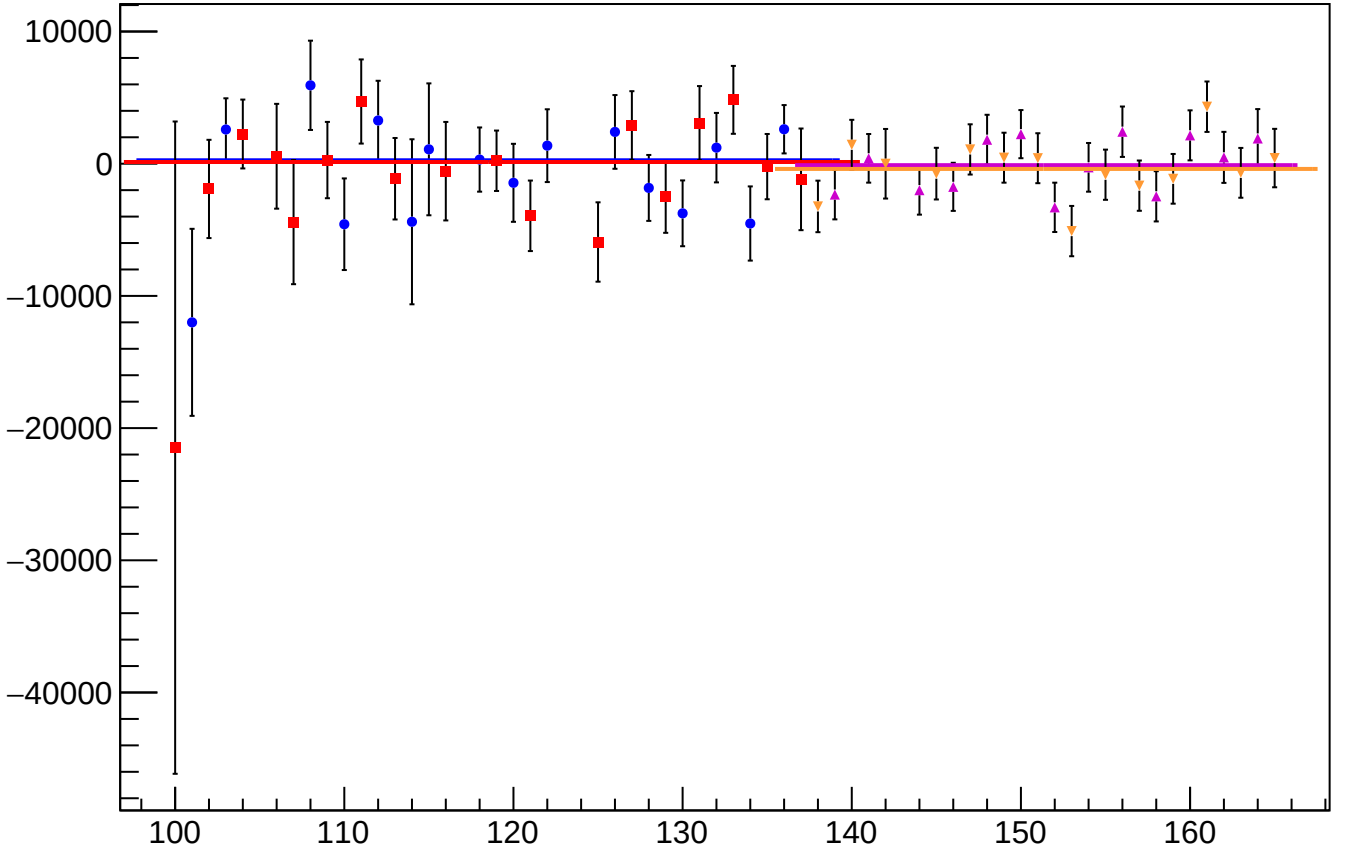
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 483.832+/-0.091 χ^2/NDF:6923596.8/28

Out: 436.086+/-0.085 χ^2/NDF:8537562.5/31

All: 458.543+/-0.062 χ^2/NDF: 15608351.2/60

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.203+/-522.573 χ^2/NDF:17.1/13

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -109.836+/-524.124 χ^2/NDF:14.6/12

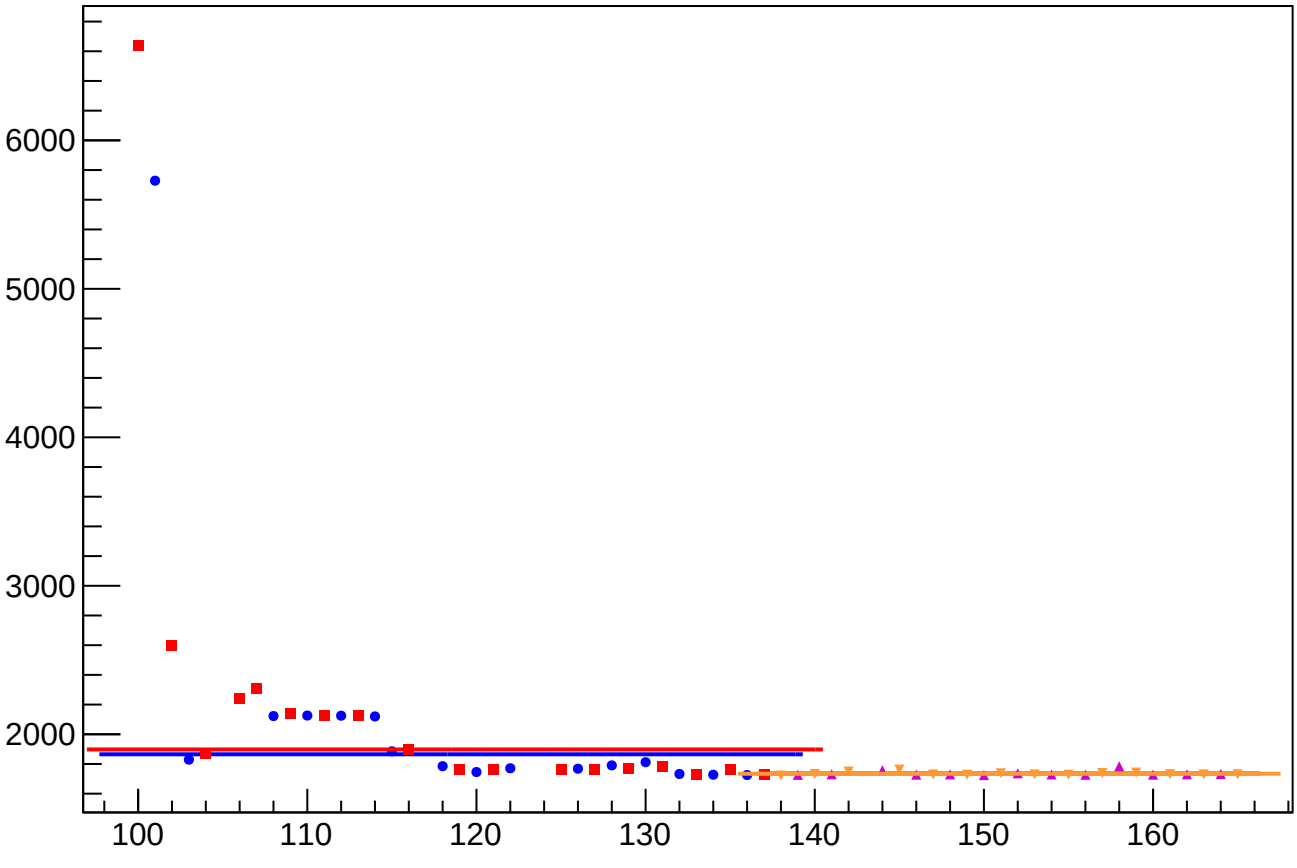
Left: -252.441+/-370.062 χ^2/NDF: 31.9/26

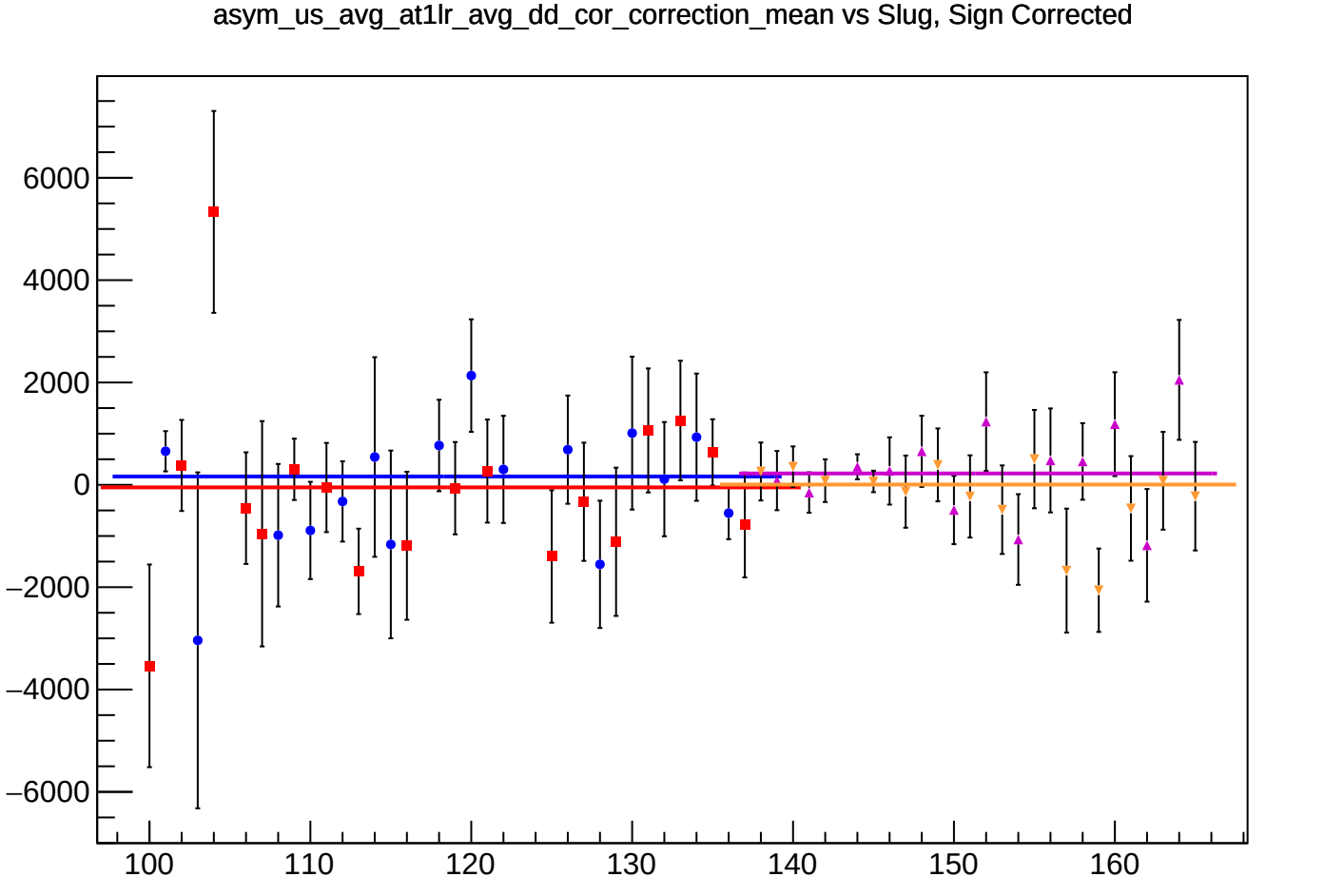
Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 20.577+/-421.612 χ^2/NDF:34.2/28

Out: -211.242+/-421.637 χ^2/NDF:35.5/31

All: -95.326+/-298.134 χ^2/NDF: 69.8/60


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.188+/-0.370 χ²/NDF:695.4/13
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.994+/-0.371 χ²/NDF:1885.6/12
Left: 1735.088+/-0.262 χ²/NDF: 2592.9/26
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1781.583+/-0.298 χ²/NDF:717485.4/28
Out: 1791.253+/-0.298 χ²/NDF:326767.1/31
All: 1786.418+/-0.211 χ²/NDF: 1044778.5/60



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.854+/-140.003 χ^2/NDF:10.7/13

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 222.297+/-157.511 χ^2/NDF:11.1/12

Left: 101.382+/-104.642 χ^2/NDF: 22.9/26

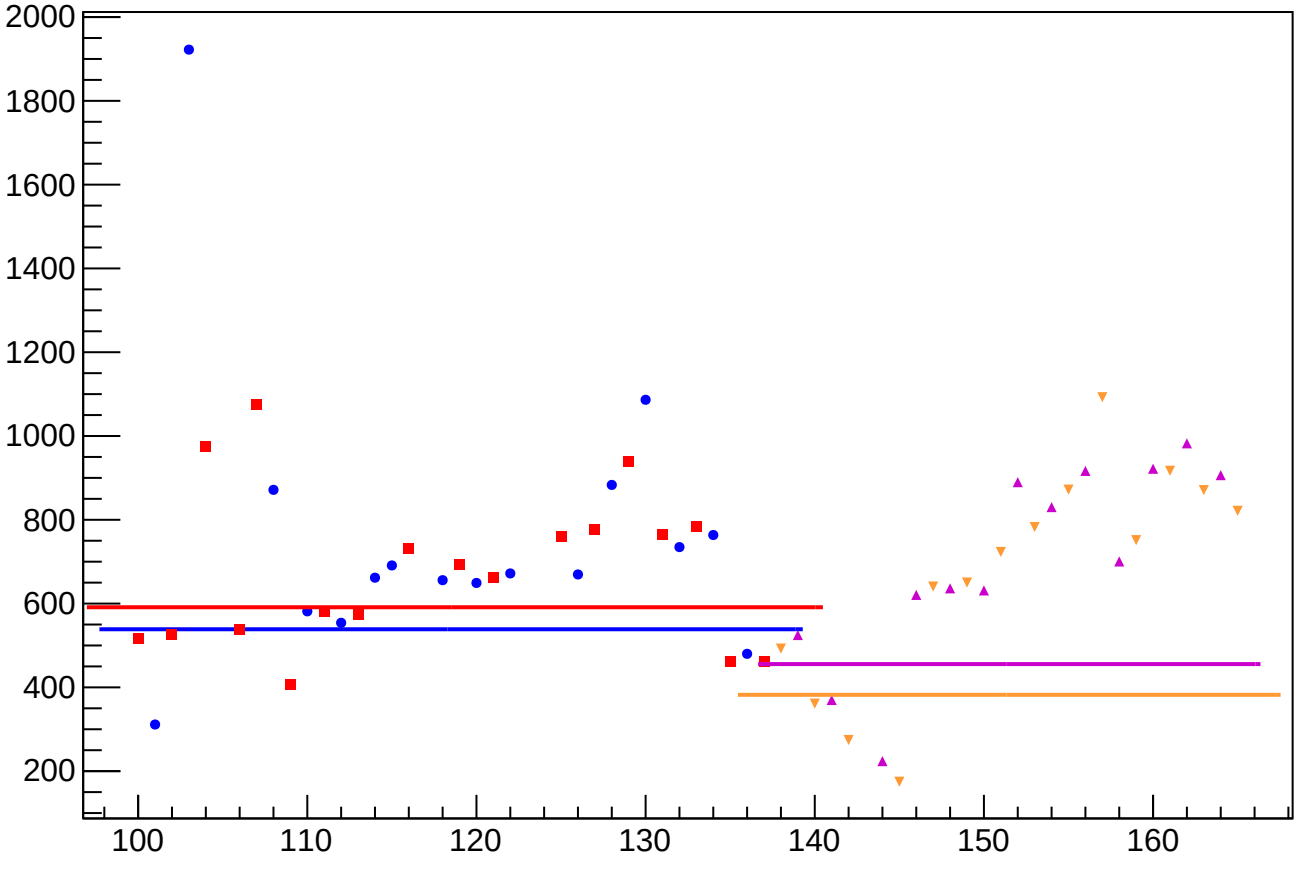
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 202.256+/-128.075 χ^2/NDF:25.1/28

Out: -8.389+/-120.698 χ^2/NDF:32.2/31

All: 90.693+/-87.839 χ^2/NDF: 58.7/60

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: 382.225+/-0.099 χ^2/NDF:6540538.4/13

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

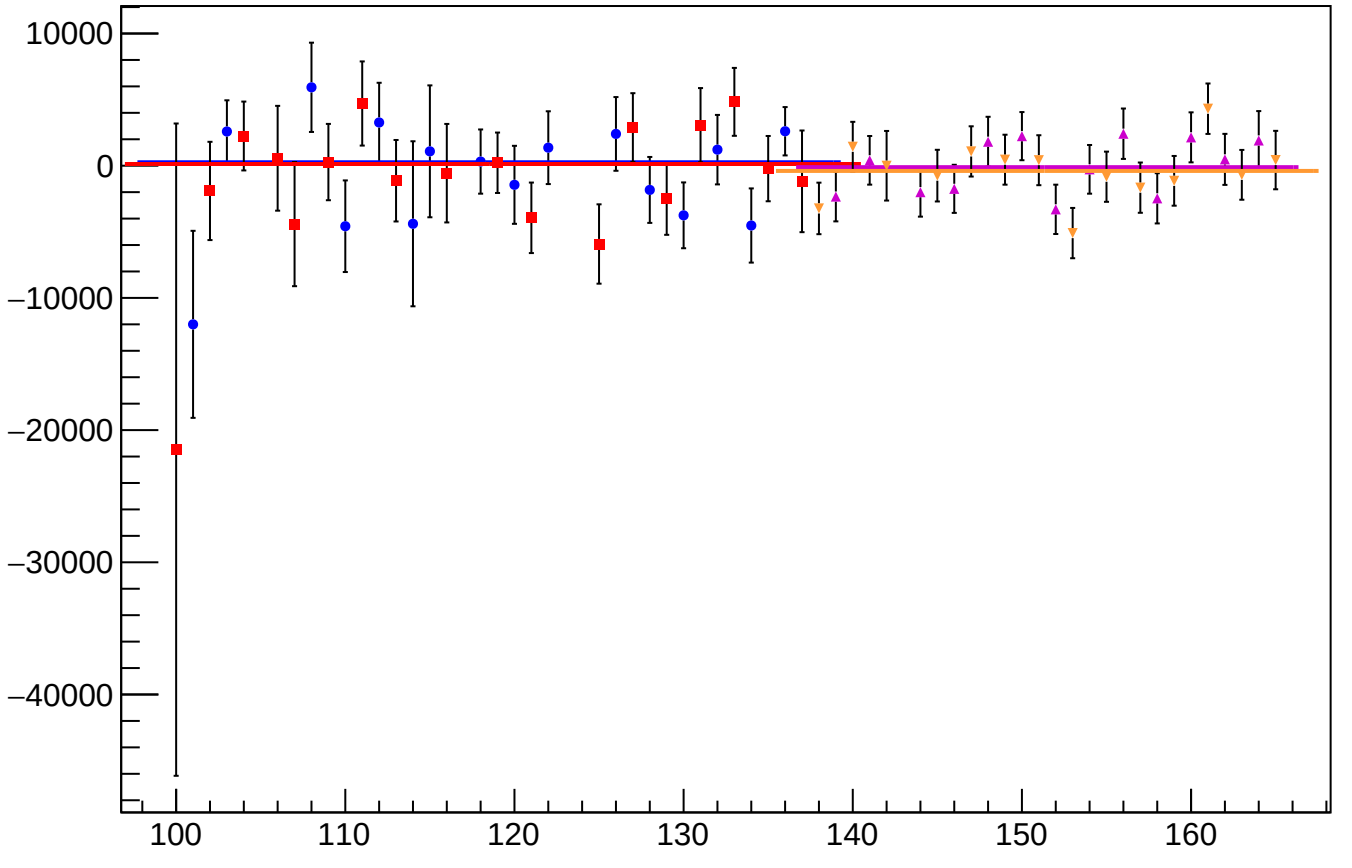
Left: 414.601+/-0.074 χ^2/NDF: 11661439.0/26

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 483.745+/-0.091 χ^2/NDF:6926196.6/28

Out: 435.892+/-0.085 χ^2/NDF:8529652.0/31

All: 458.401+/-0.062 χ^2/NDF: 15603722.4/60



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.203+/-522.573 χ^2/NDF:17.1/13

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -109.836+/-524.124 χ^2/NDF:14.6/12

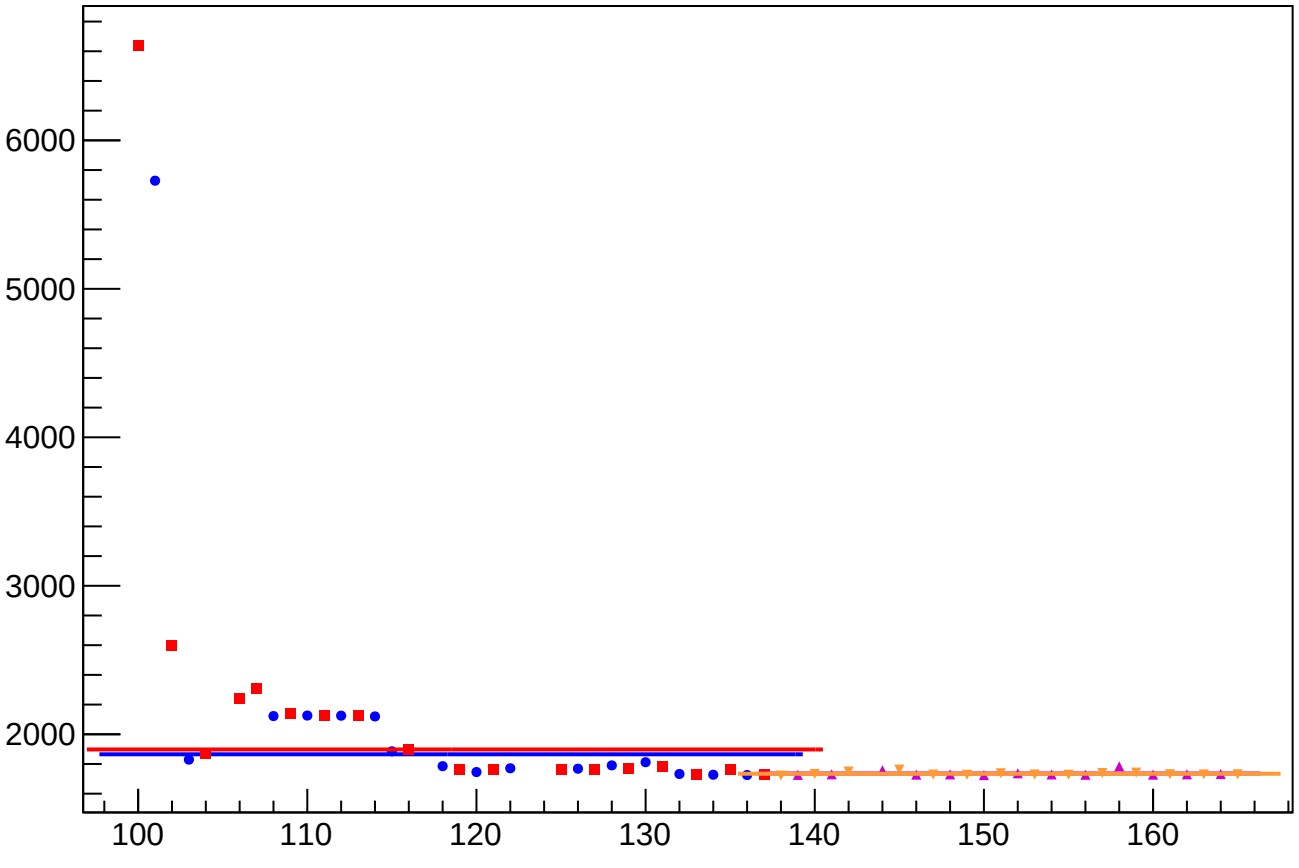
Left: -252.441+/-370.062 χ^2/NDF: 31.9/26

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 20.577+/-421.612 χ^2/NDF:34.2/28

Out: -211.242+/-421.637 χ^2/NDF:35.5/31

All: -95.326+/-298.134 χ^2/NDF: 69.8/60



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

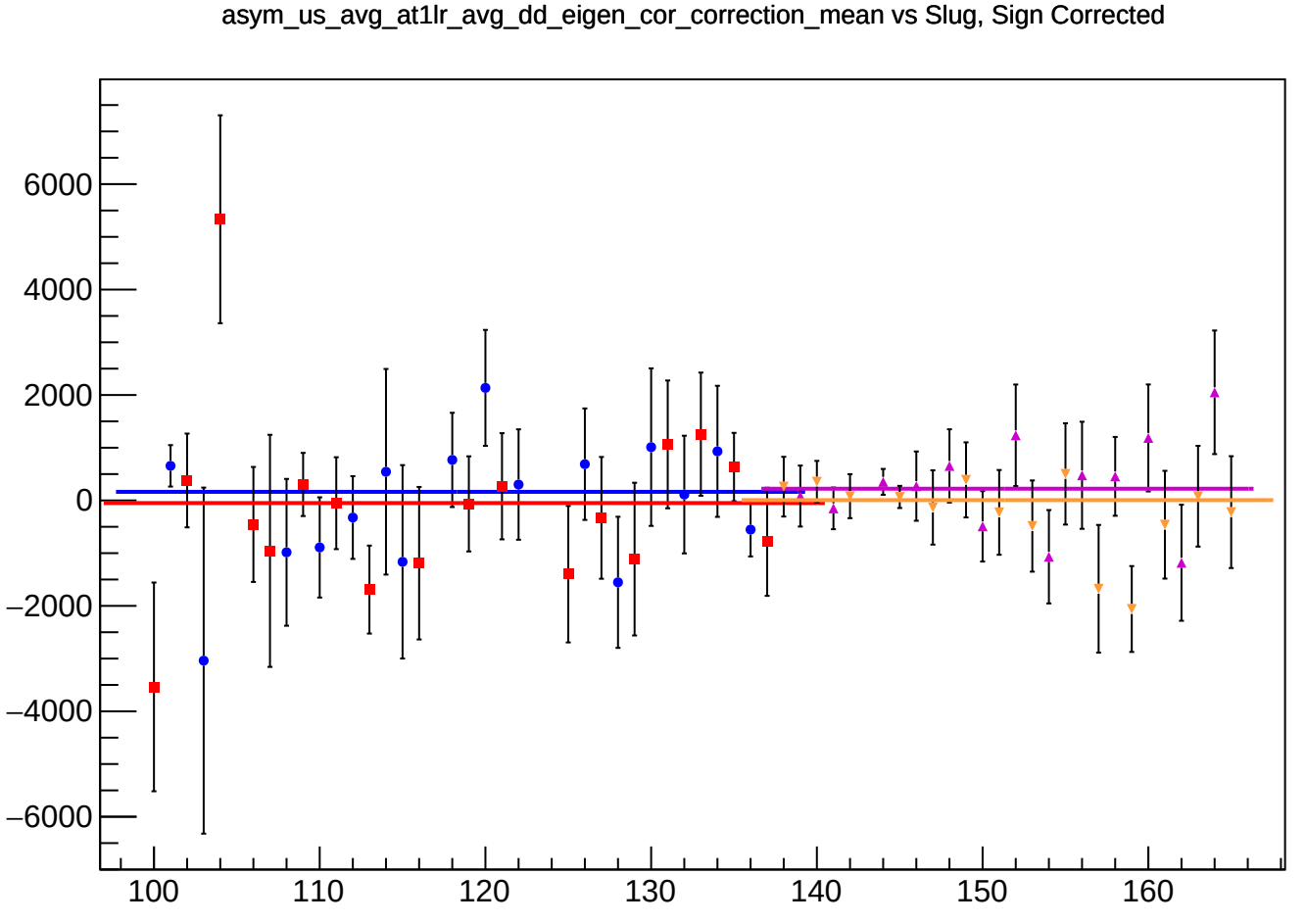
Left: 1735.088+/-0.262 χ^2/NDF: 2592.9/26

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1781.583+/-0.298 χ^2/NDF:717485.4/28

Out: 1791.253+/-0.298 χ^2/NDF:326767.1/31

All: 1786.418+/-0.211 χ^2/NDF: 1044778.5/60



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.854+/-140.003 χ^2/NDF:10.7/13

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 222.297+/-157.511 χ^2/NDF:11.1/12

Left: 101.382+/-104.642 χ^2/NDF: 22.9/26

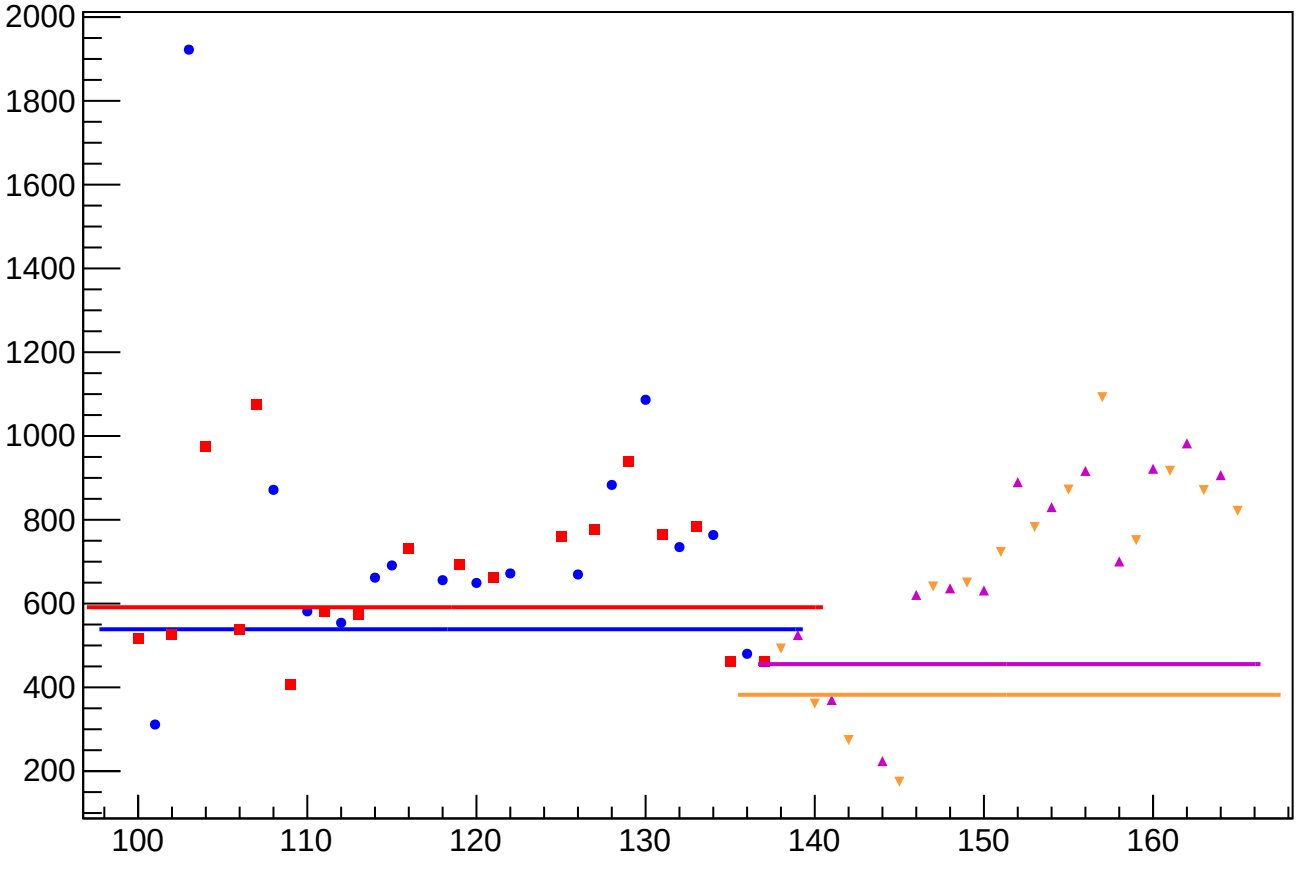
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 202.256+/-128.075 χ^2/NDF:25.1/28

Out: -8.389+/-120.698 χ^2/NDF:32.2/31

All: 90.693+/-87.839 χ^2/NDF: 58.7/60

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 382.225+/-0.099 χ^2/NDF:6540538.4/13

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

Left: 414.601+/-0.074 χ^2/NDF: 11661439.0/26

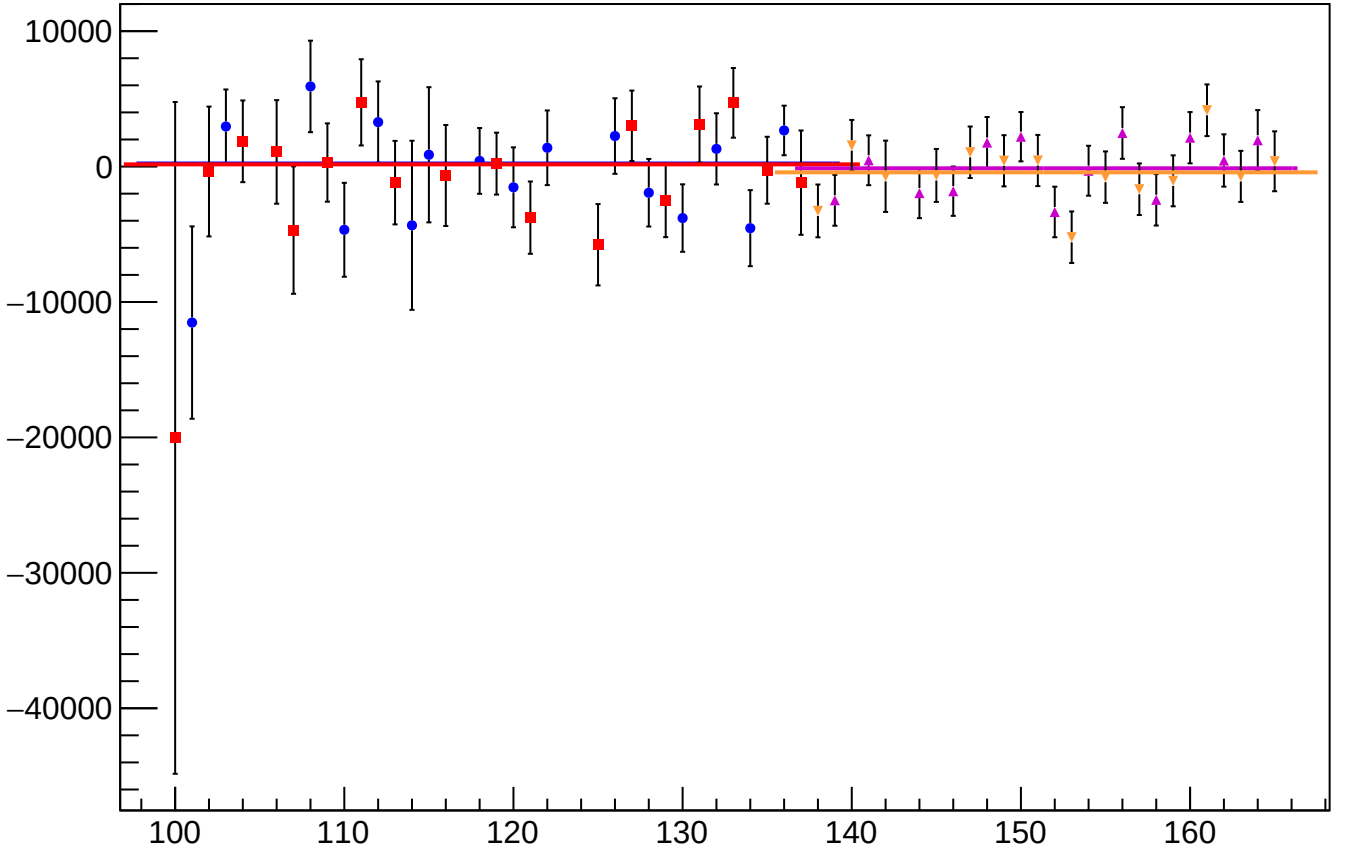
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 483.745+/-0.091 χ^2/NDF:6926196.6/28

Out: 435.892+/-0.085 χ^2/NDF:8529652.0/31

All: 458.401+/-0.062 χ^2/NDF: 15603722.4/60

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: -425.746+/-522.926 χ^2/NDF:17.1/13

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -127.523+/-524.456 χ^2/NDF:14.9/12

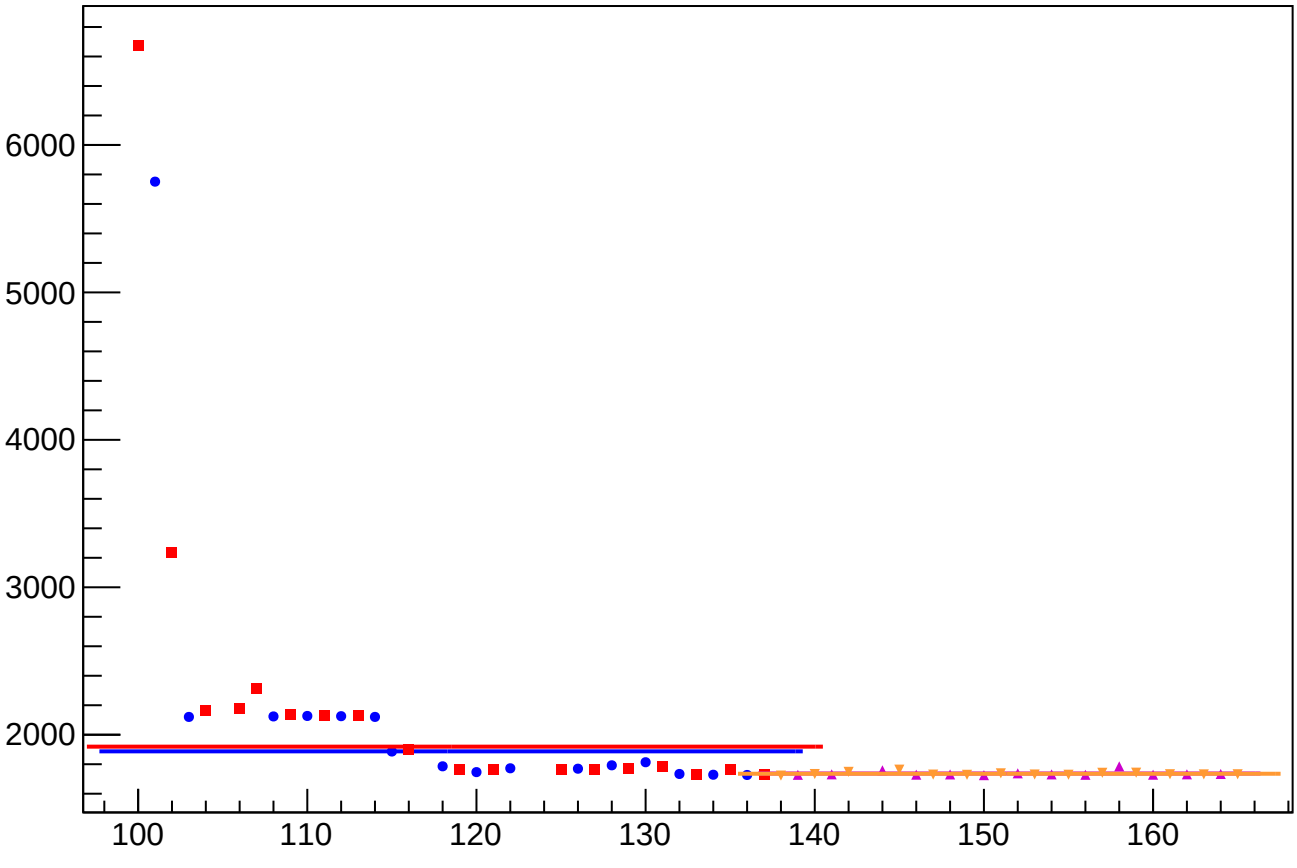
Left: -277.070+/-370.304 χ^2/NDF: 32.2/26

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -4.572+/-423.622 χ^2/NDF:34.5/28

Out: -224.320+/-424.275 χ^2/NDF:34.6/31

All: -114.277+/-299.776 χ^2/NDF: 69.2/60



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.358+/-0.370 χ^2/NDF:700.5/13

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

Left: 1736.223+/-0.262 χ^2/NDF: 2595.9/26

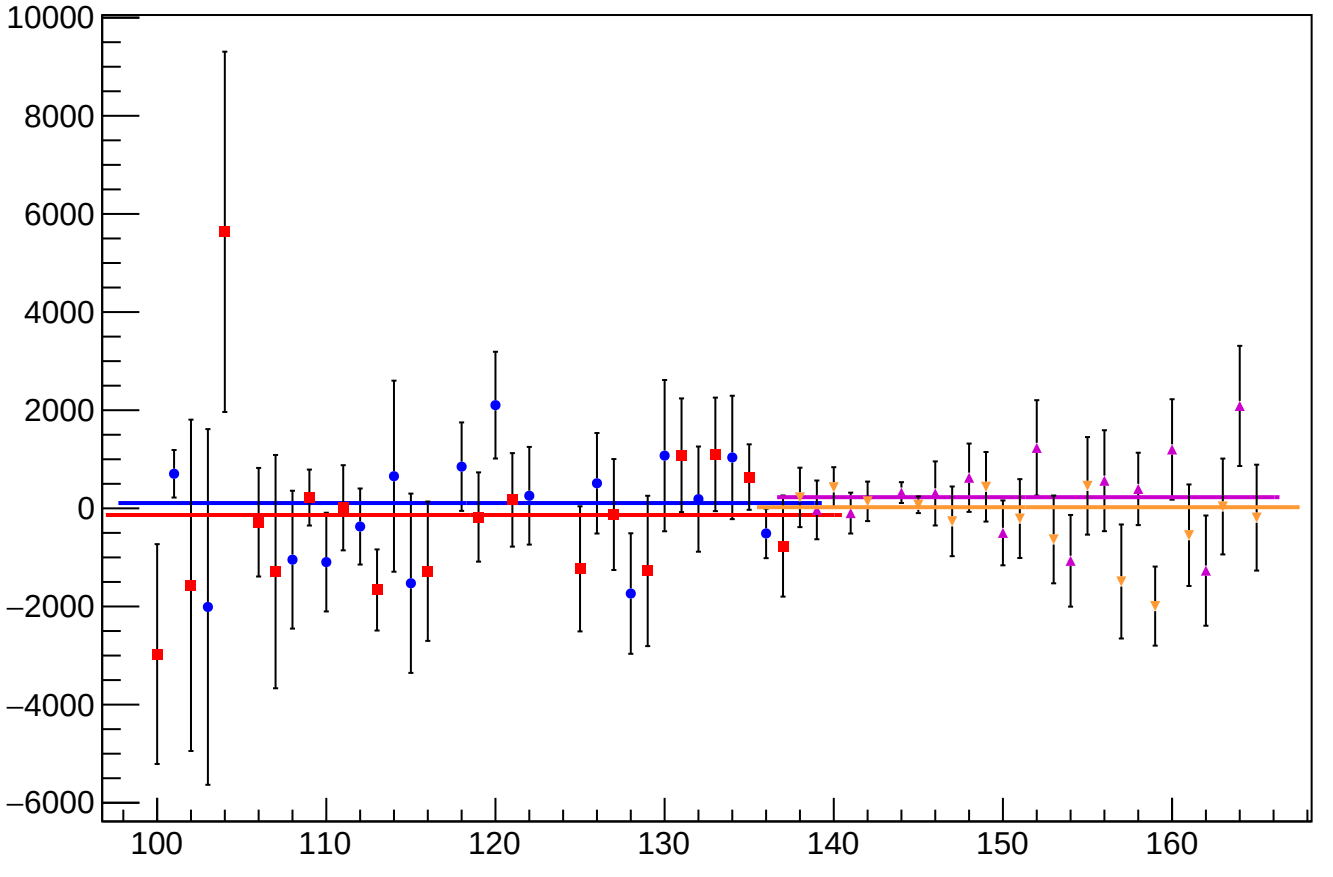
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1789.303+/-0.300 χ^2/NDF:748354.2/28

Out: 1798.167+/-0.300 χ^2/NDF:437704.9/31

All: 1793.729+/-0.212 χ^2/NDF: 1186496.2/60

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 23.298+/-126.781 χ^2/NDF:10.9/13

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 227.603+/-149.321 χ^2/NDF:10.7/12

Left: 108.882+/-96.645 χ^2/NDF: 22.6/26

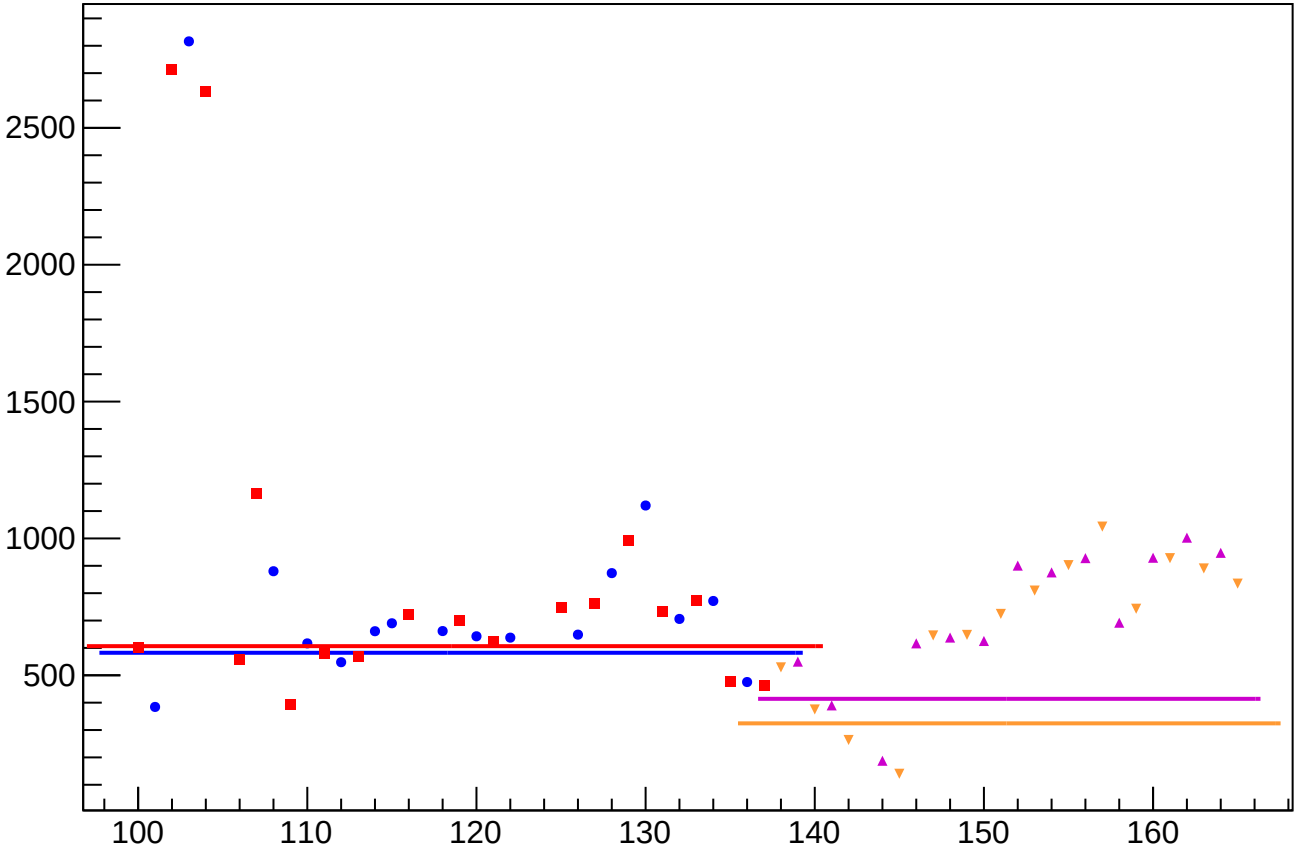
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 192.547+/-125.516 χ^2/NDF:25.0/28

Out: -10.013+/-112.689 χ^2/NDF:25.6/31

All: 80.391+/-83.852 χ^2/NDF: 52.0/60

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 324.361+/-0.090 χ^2/NDF:8332739.9/13

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 413.996+/-0.106 χ^2/NDF:6195605.4/12

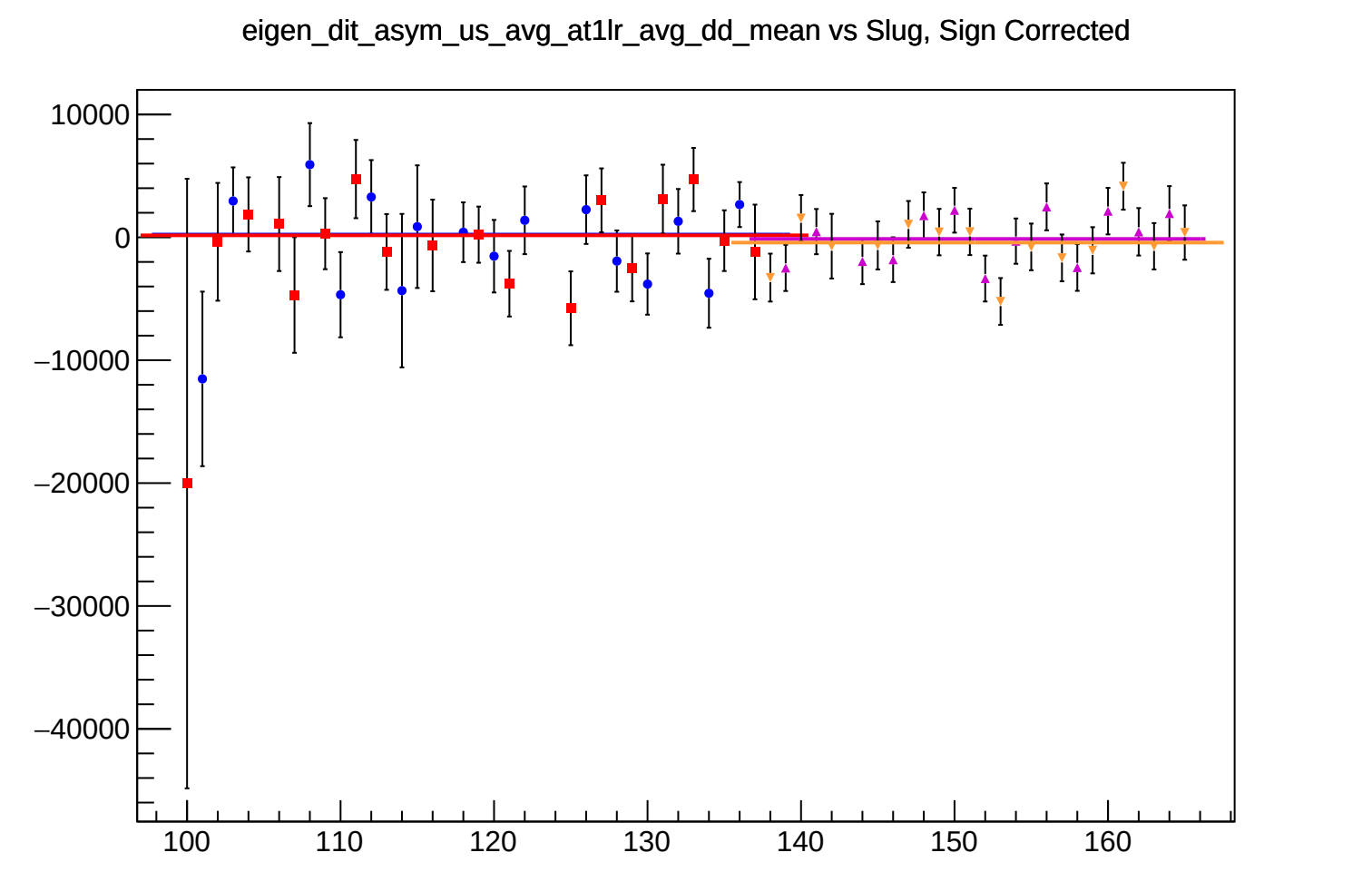
Left: 361.910+/-0.068 χ^2/NDF: 14947126.5/26

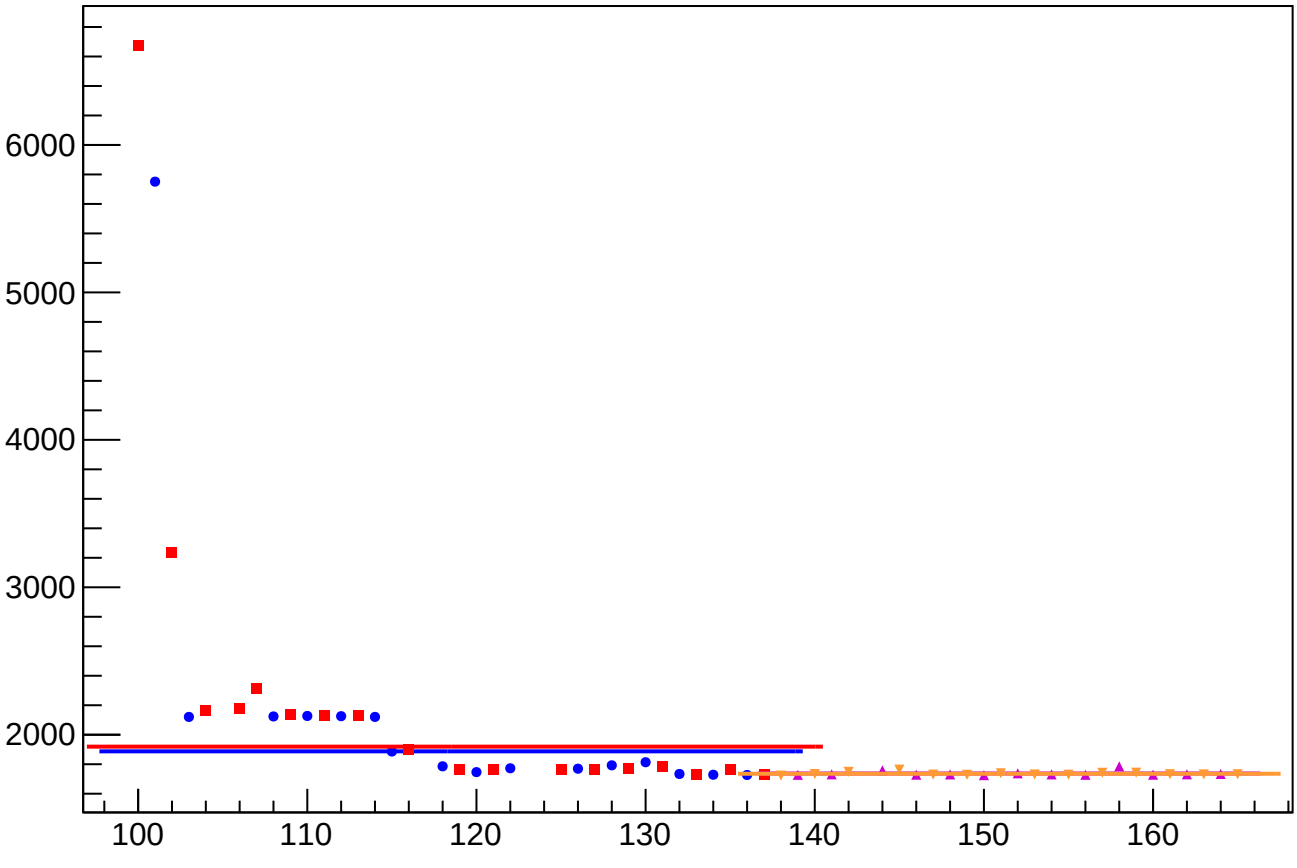
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 463.373+/-0.089 χ^2/NDF:8695197.7/28

Out: 383.588+/-0.080 χ^2/NDF:12609973.7/31

All: 419.196+/-0.059 χ^2/NDF: 21752622.3/60


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -425.750+/-522.926 χ²/NDF:17.1/13
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -127.522+/-524.456 χ²/NDF:14.9/12
Left: -277.072+/-370.304 χ²/NDF: 32.2/26
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -4.571+/-423.622 χ²/NDF:34.5/28
Out: -224.323+/-424.275 χ²/NDF:34.6/31
All: -114.278+/-299.776 χ²/NDF: 69.2/60



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.358+/-0.370 χ^2/NDF:700.5/13

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

Left: 1736.223+/-0.262 χ^2/NDF: 2595.9/26

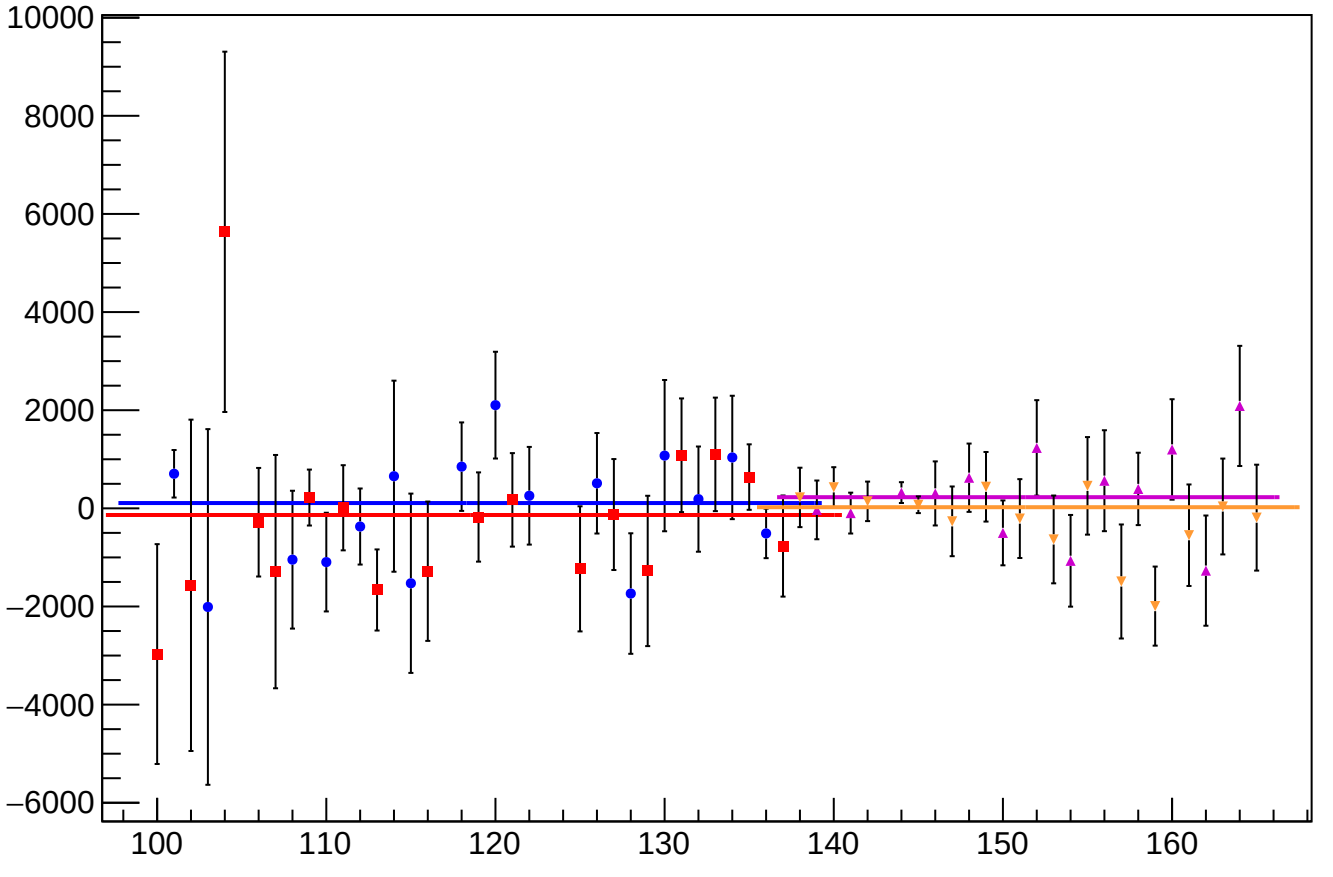
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1789.303+/-0.300 χ^2/NDF:748353.9/28

Out: 1798.167+/-0.300 χ^2/NDF:437704.0/31

All: 1793.728+/-0.212 χ^2/NDF: 1186495.0/60

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: 23.296+/-126.782 χ^2/NDF:10.9/13

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 227.604+/-149.322 χ^2/NDF:10.7/12

Left: 108.882+/-96.645 χ^2/NDF: 22.6/26

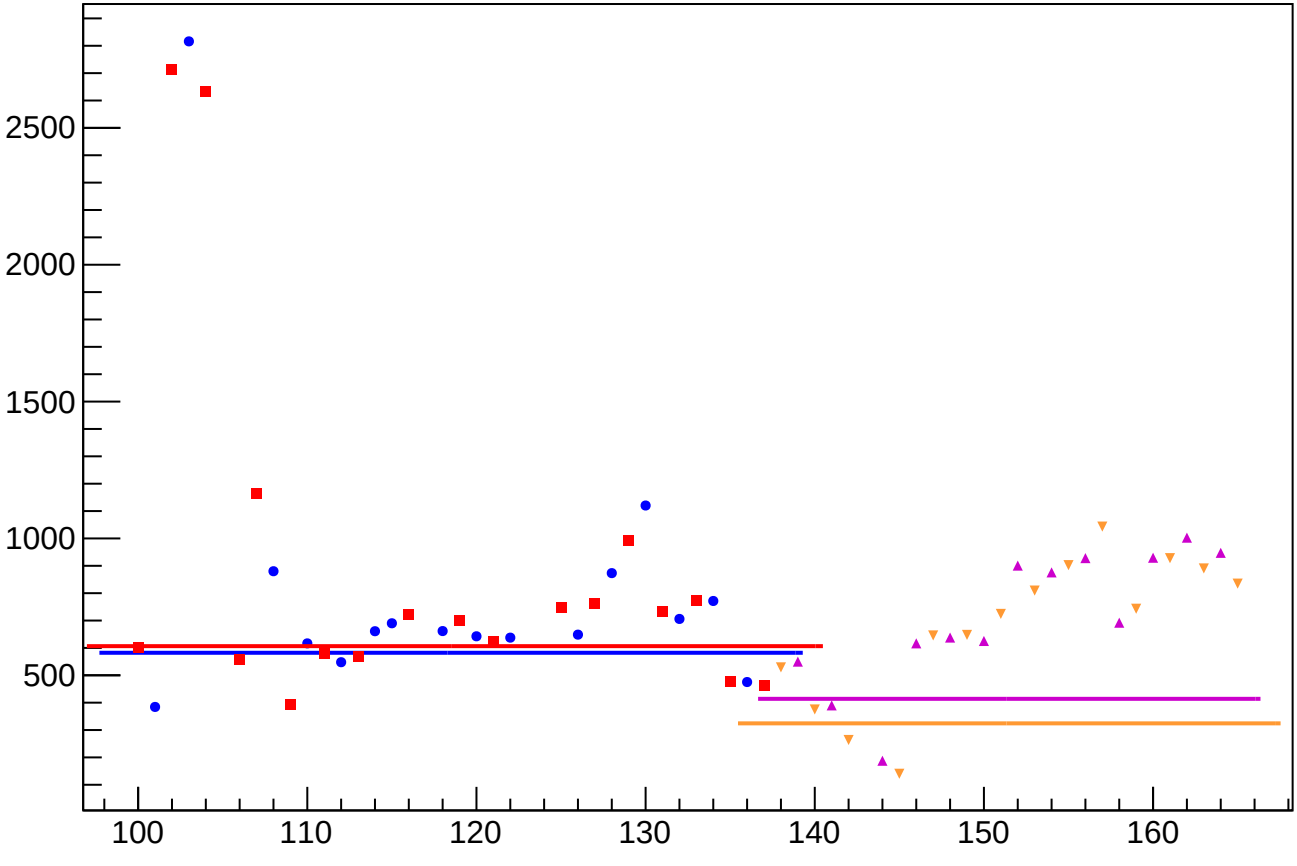
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 192.546+/-125.516 χ^2/NDF:25.0/28

Out: -10.014+/-112.689 χ^2/NDF:25.6/31

All: 80.390+/-83.852 χ^2/NDF: 52.0/60

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: 324.361+/-0.090 χ^2/NDF:8332770.8/13

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 413.997+/-0.106 χ^2/NDF:6195624.6/12

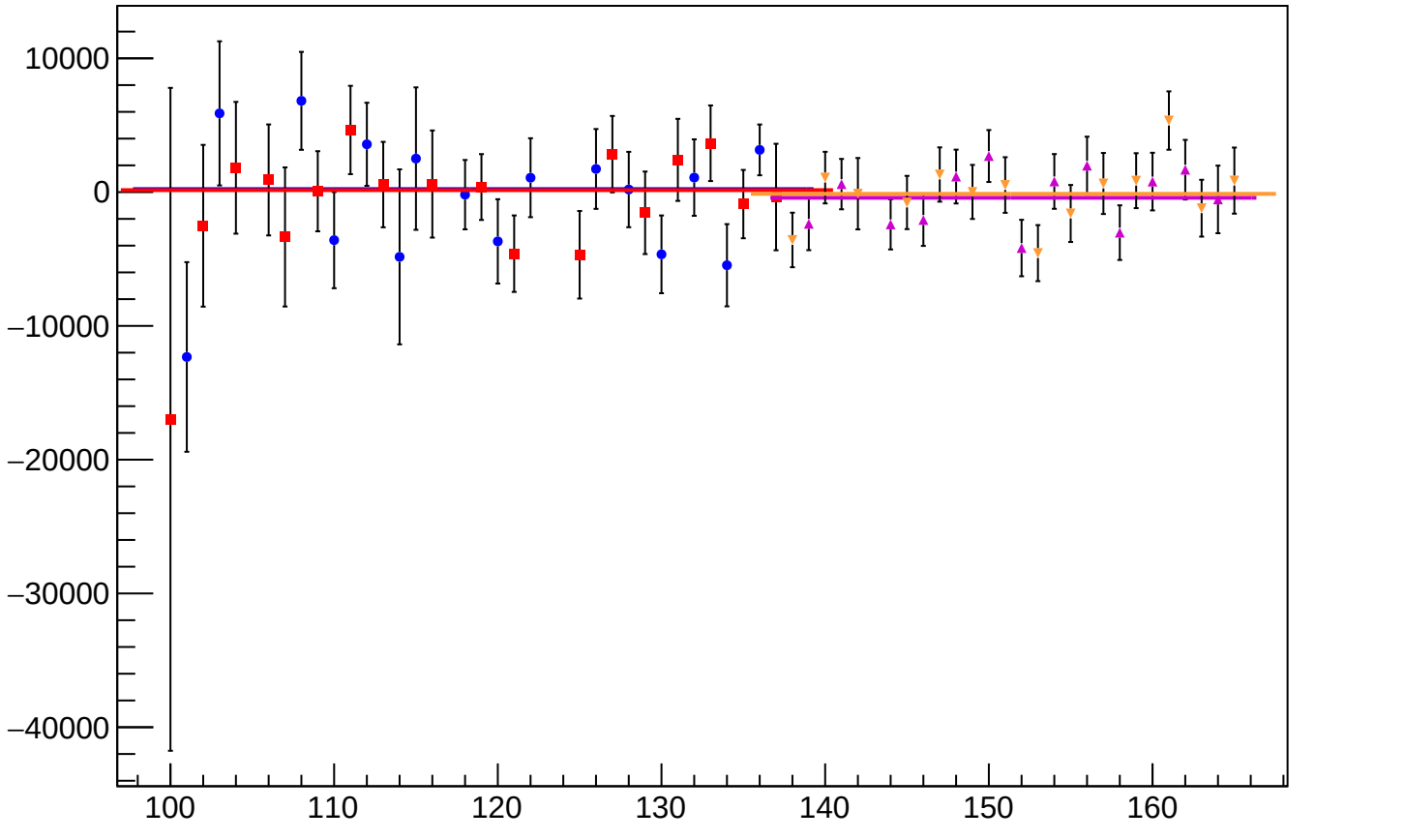
Left: 361.910+/-0.068 χ^2/NDF: 14947180.6/26

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 463.373+/-0.089 χ^2/NDF:8695187.6/28

Out: 383.588+/-0.080 χ^2/NDF:12609982.8/31

All: 419.196+/-0.059 χ^2/NDF: 21752626.4/60



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -128.928+/-568.490 χ^2/NDF:16.0/13

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -423.111+/-568.683 χ^2/NDF:13.9/12

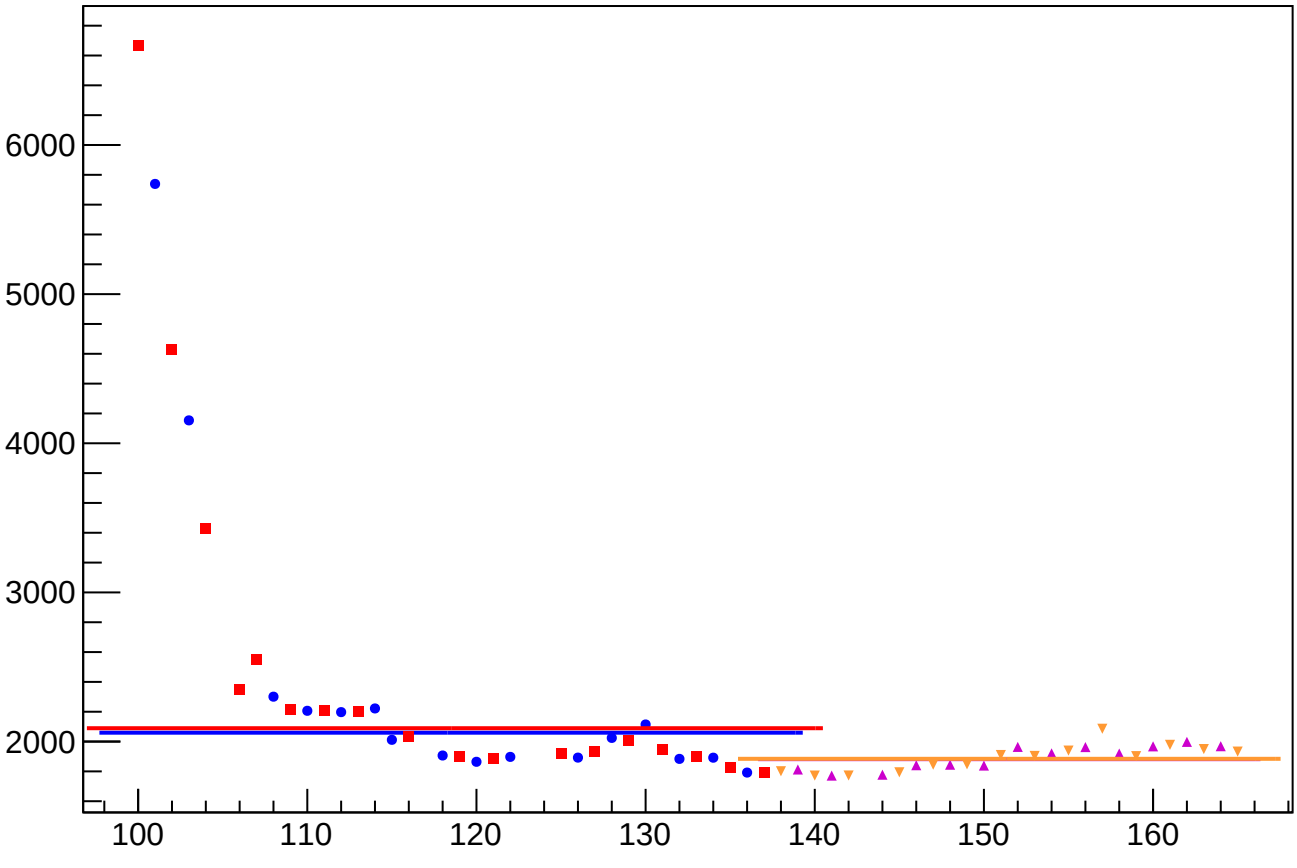
Left: -275.969+/-402.051 χ^2/NDF: 30.0/26

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -202.678+/-461.872 χ^2/NDF:35.5/28

Out: -35.114+/-462.263 χ^2/NDF:27.6/31

All: -118.967+/-326.731 χ^2/NDF: 63.2/60



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1884.291+/-0.402 χ^2/NDF:43099.2/13

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1881.881+/-0.402 χ^2/NDF:36247.4/12

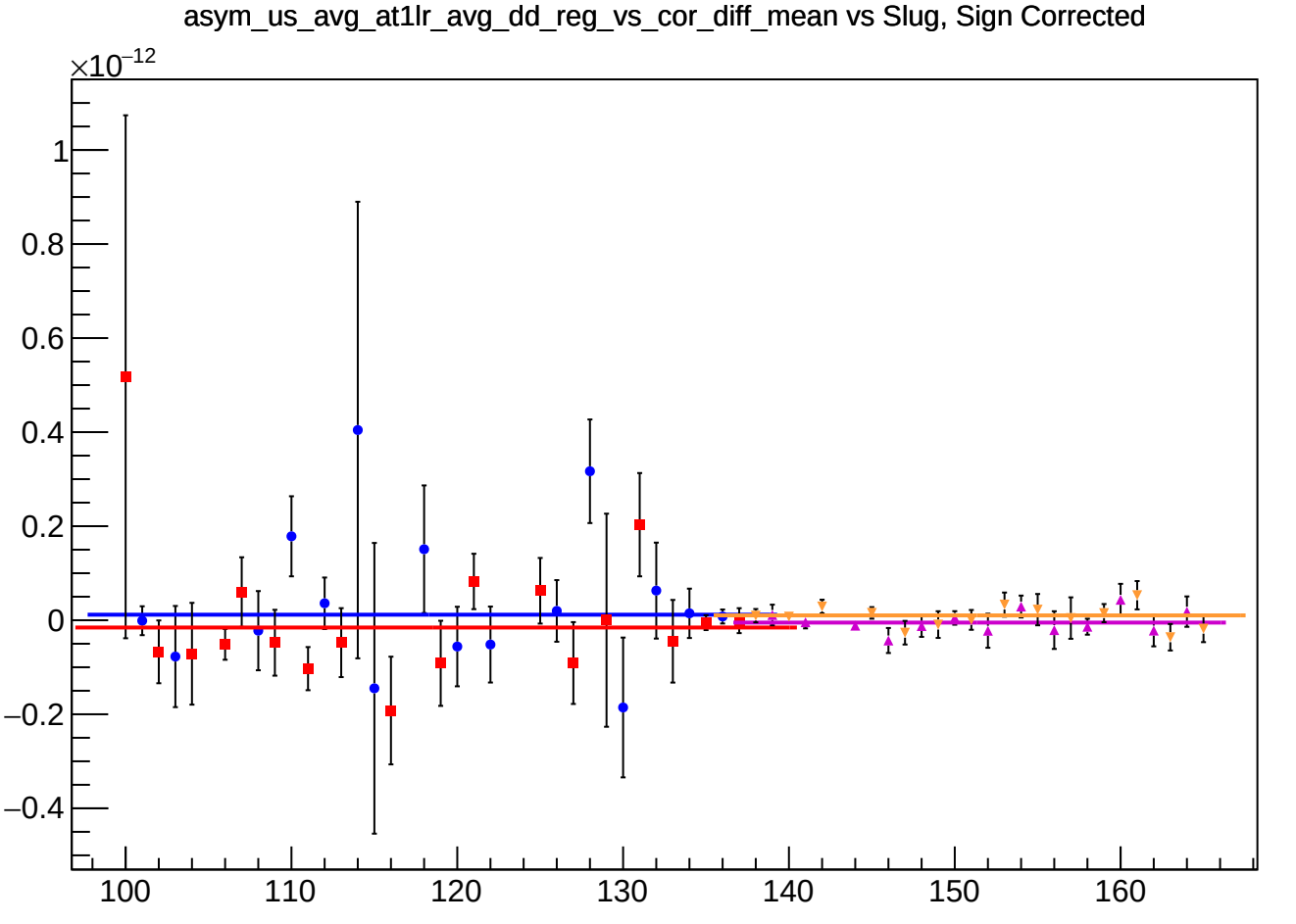
Left: 1883.087+/-0.284 χ^2/NDF: 79364.6/26

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

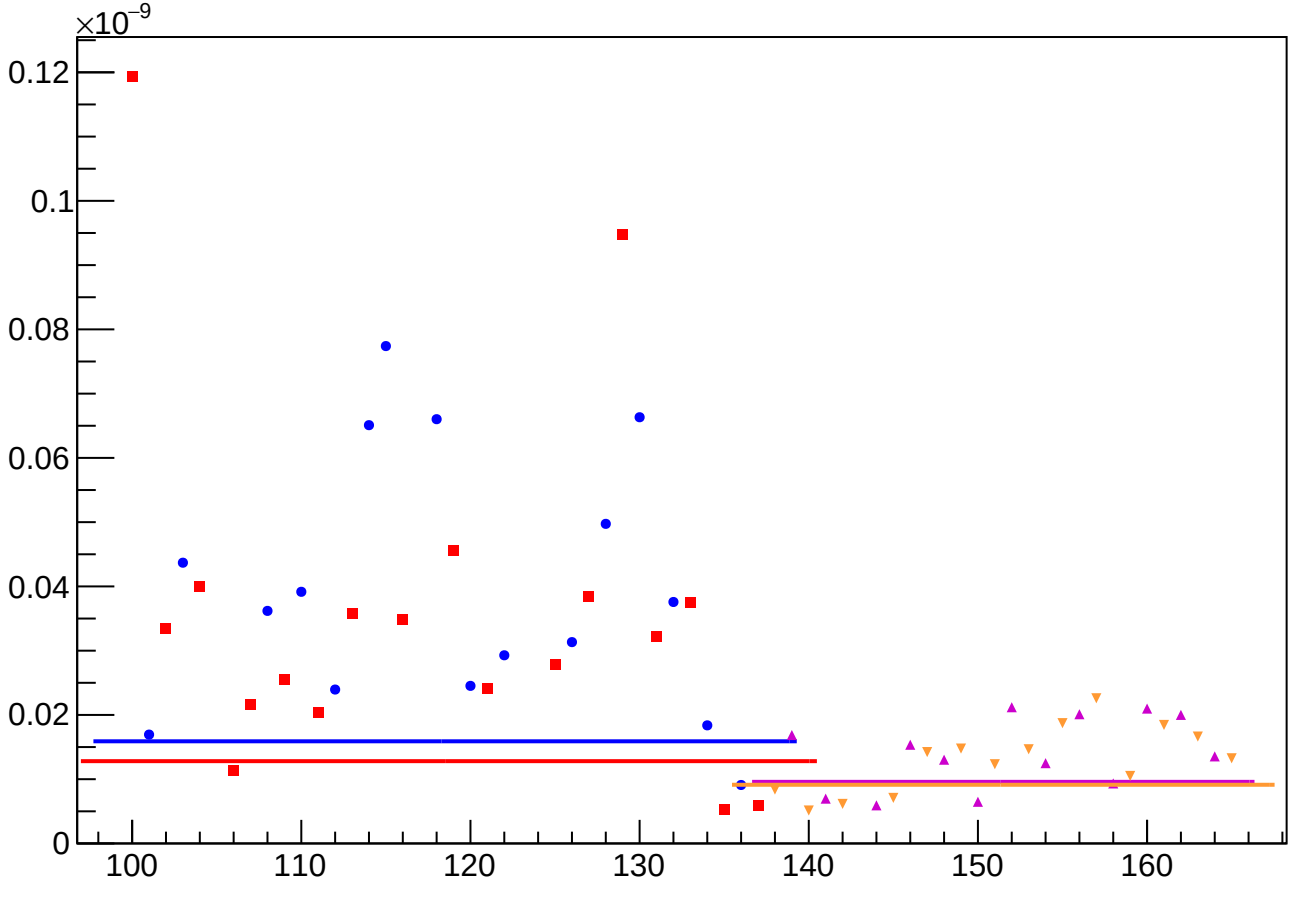
In: 1942.335+/-0.327 χ^2/NDF:1042525.0/28

Out: 1953.808+/-0.327 χ^2/NDF:812836.4/31

All: 1948.067+/-0.231 χ^2/NDF: 1855977.9/60


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
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:11.5/13
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.3/12
Left: 0.000+/-0.000 χ²/NDF: 25.4/26
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.1/28
Out: 0.000+/-0.000 χ²/NDF:37.1/31
All: 0.000+/-0.000 χ²/NDF: 67.7/60

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1529039.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1670168.0/12

Left: 0.000+/-0.000 χ^2/NDF: 3207251.1/26

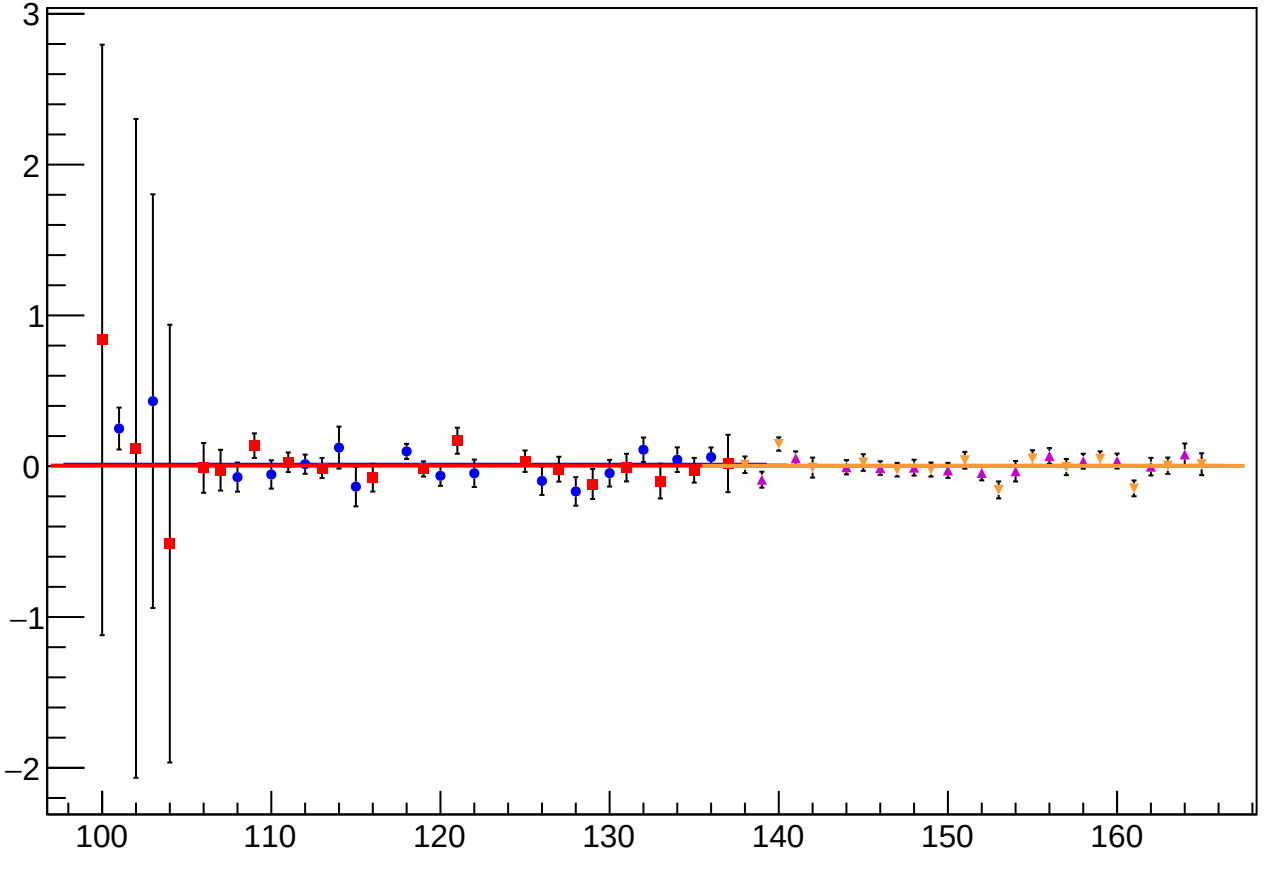
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4100788.8/28

Out: 0.000+/-0.000 χ^2/NDF:4210697.3/31

All: 0.000+/-0.000 χ^2/NDF: 8347060.7/60

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: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/26

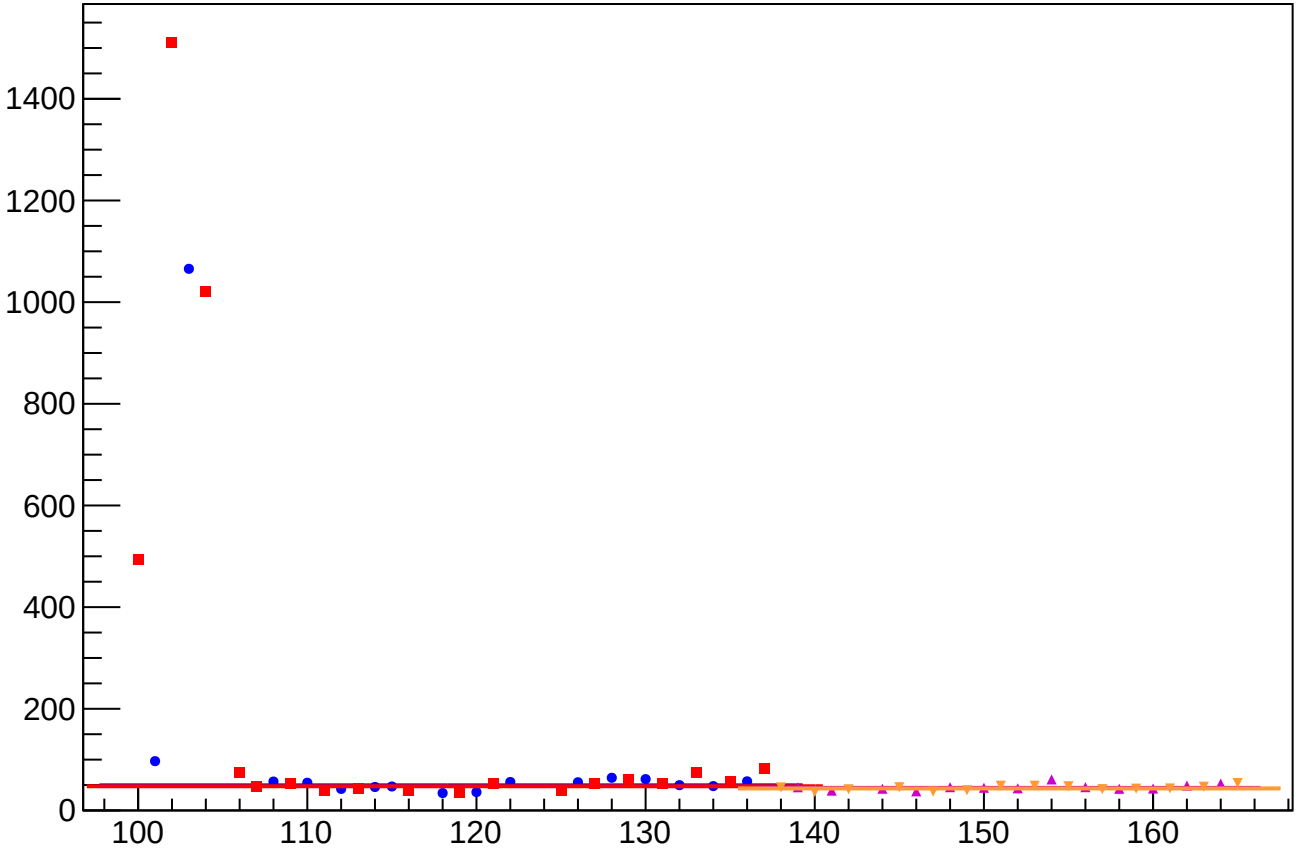
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/60

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.321+/-0.010 χ^2/NDF:206612.5/13

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.378+/-0.010 χ^2/NDF:243828.0/12

Left: 43.842+/-0.007 χ^2/NDF: 455911.1/26

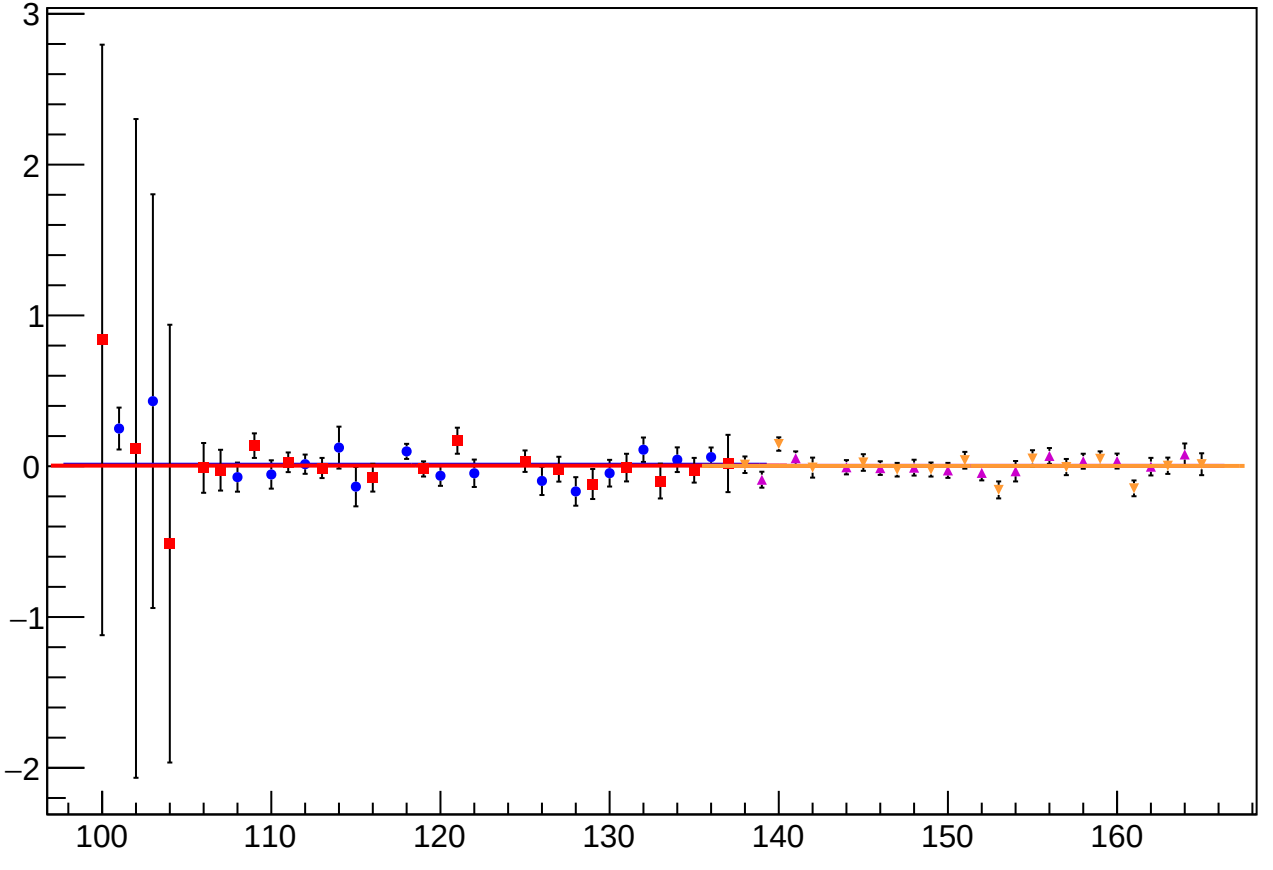
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.965+/-0.008 χ^2/NDF:2096807.0/28

Out: 44.621+/-0.008 χ^2/NDF:2680012.6/31

All: 45.292+/-0.006 χ^2/NDF: 4789683.9/60

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: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/26

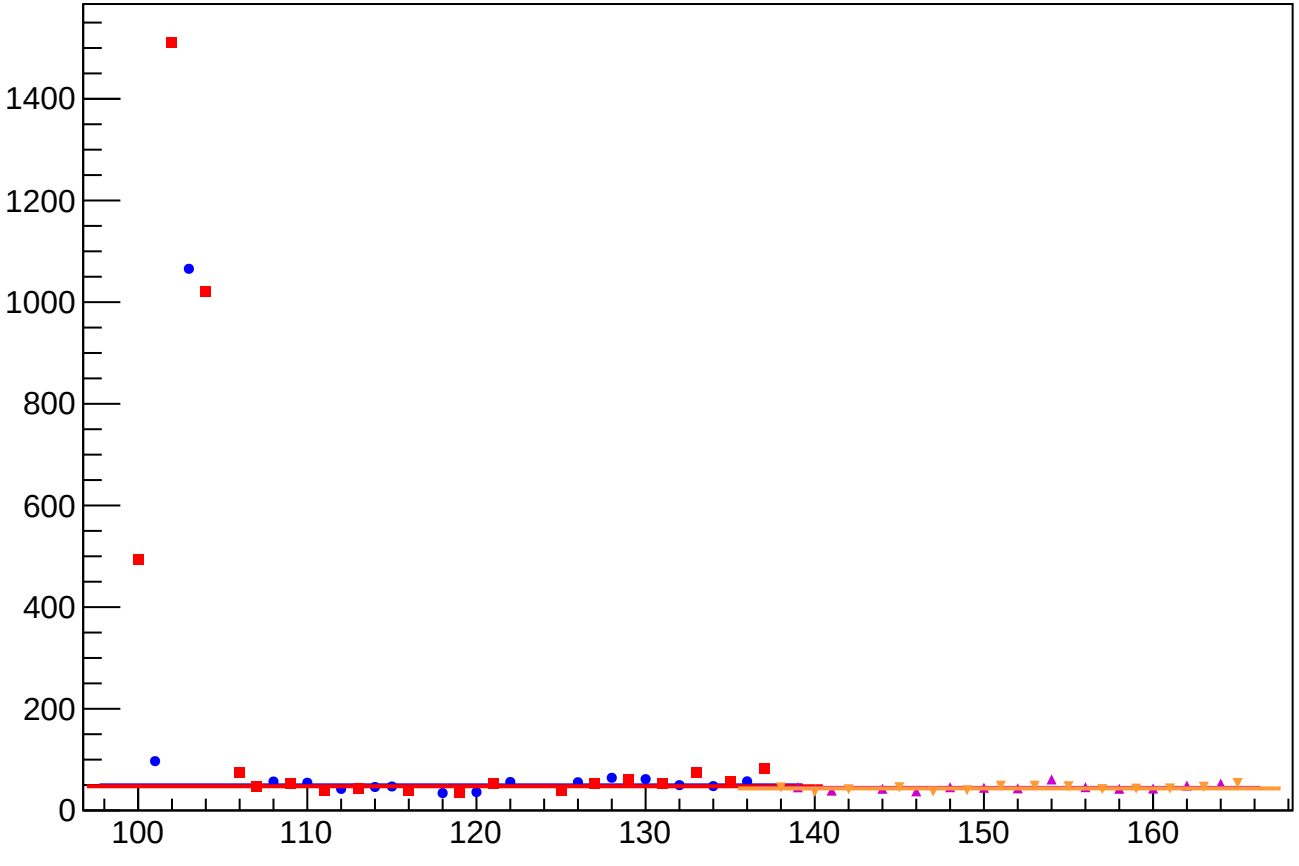
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/60

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: 43.321+/-0.010 χ^2/NDF:206612.5/13

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.378+/-0.010 χ^2/NDF:243828.0/12

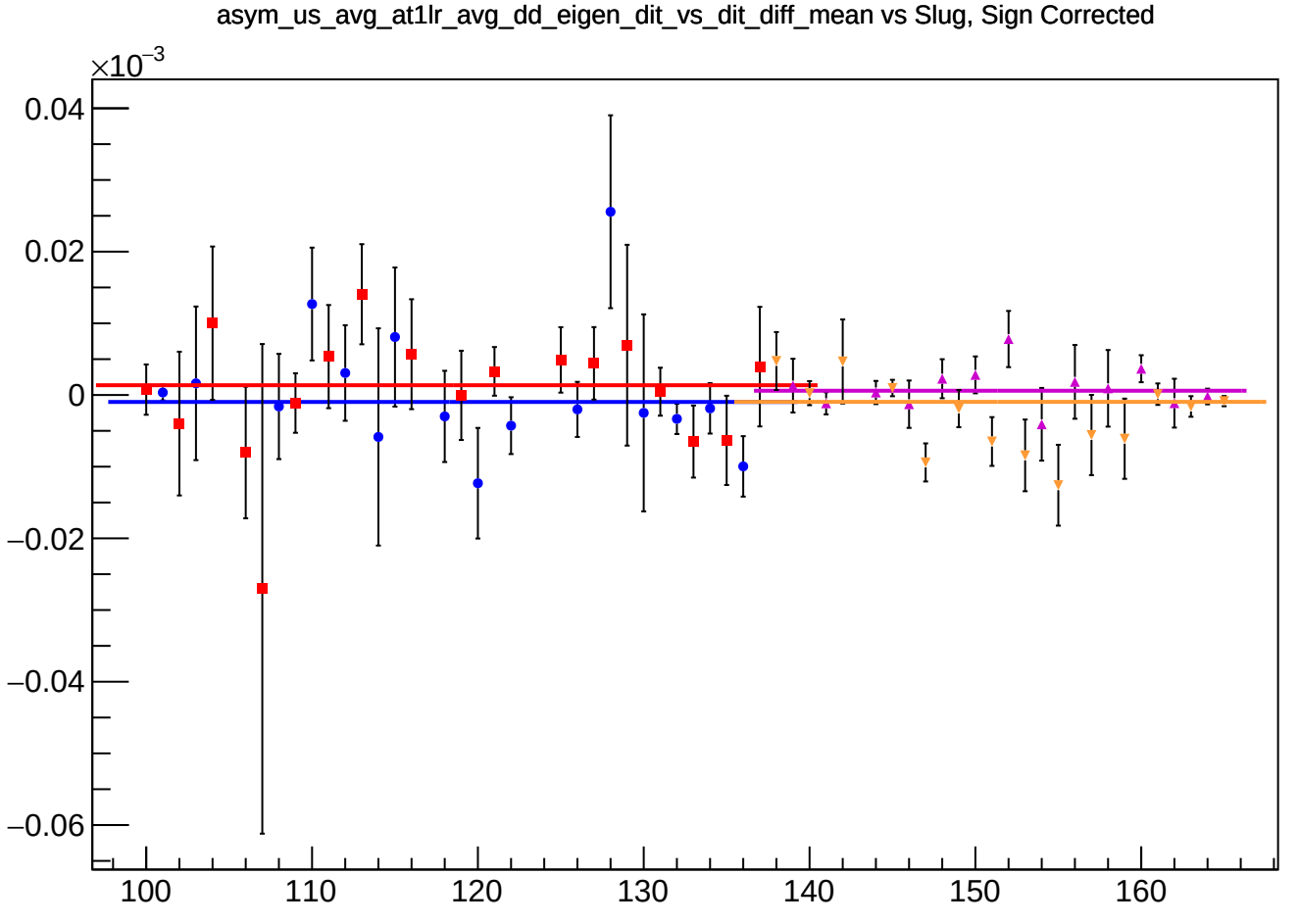
Left: 43.842+/-0.007 χ^2/NDF: 455911.1/26

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.965+/-0.008 χ^2/NDF:2096807.0/28

Out: 44.621+/-0.008 χ^2/NDF:2680012.6/31

All: 45.292+/-0.006 χ^2/NDF: 4789683.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

Left: -0.000+/-0.000 χ^2/NDF: 42.5/26

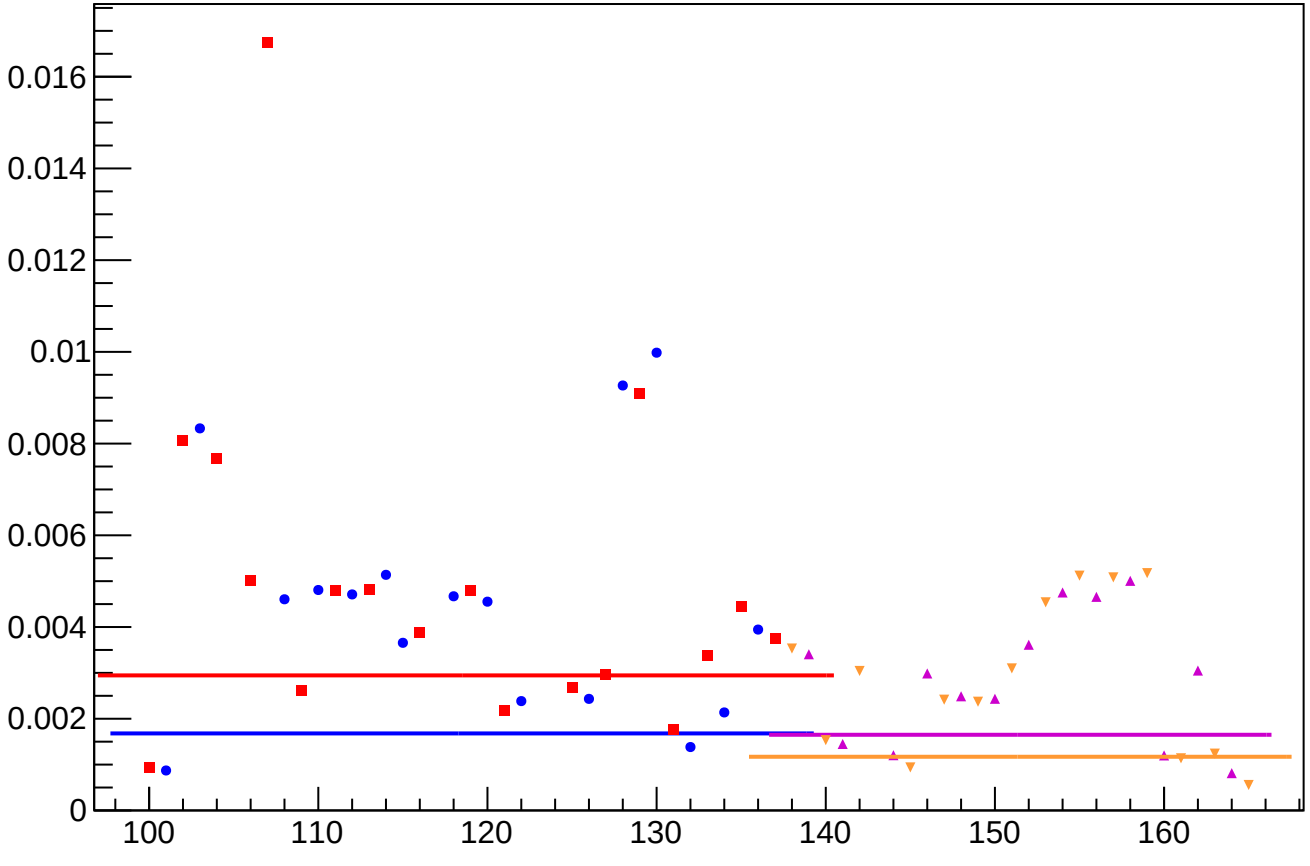
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:31.5/28

Out: -0.000+/-0.000 χ^2/NDF:43.4/31

All: -0.000+/-0.000 χ^2/NDF: 76.1/60

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7944034.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:5673644.1/12

Left: 0.001+/-0.000 χ^2/NDF: 14386682.9/26

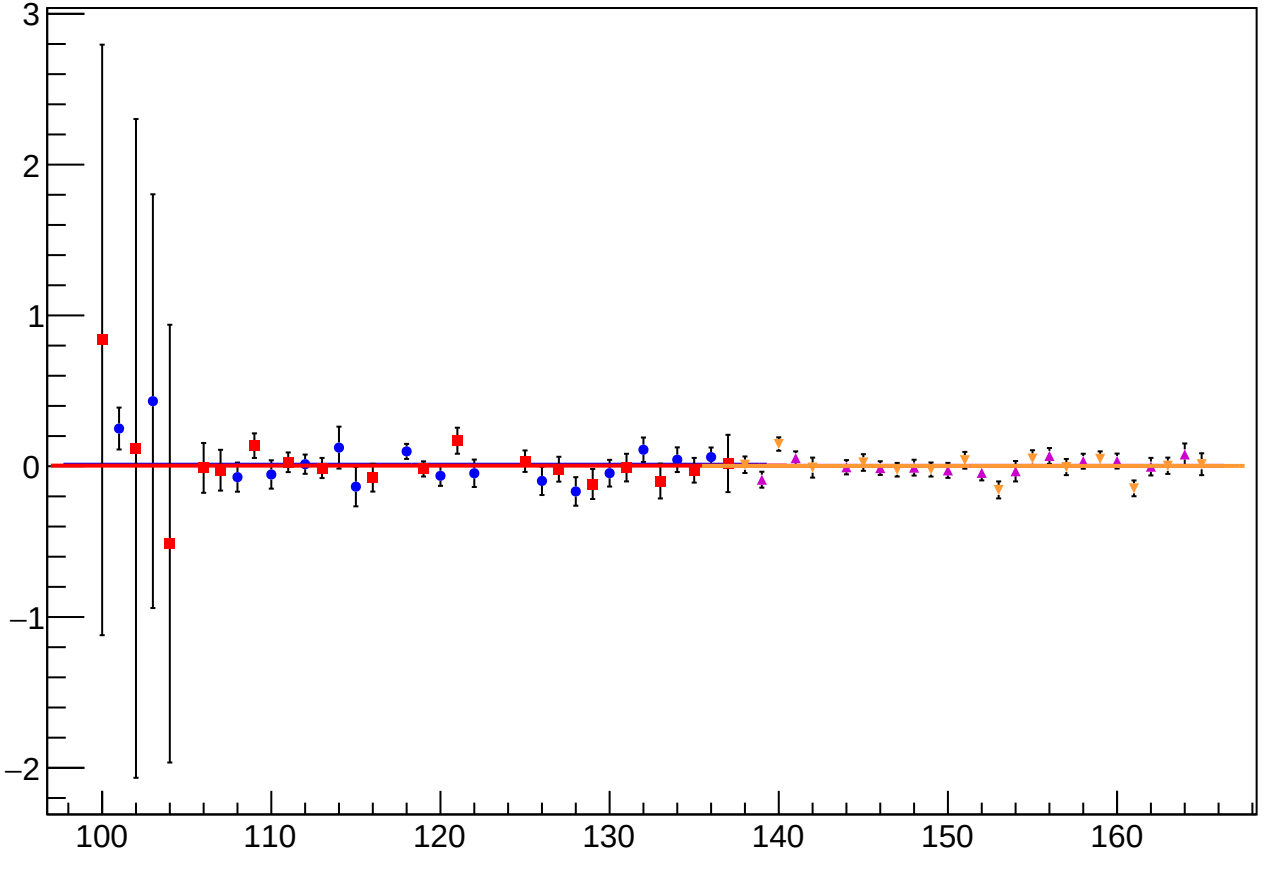
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:11635522.5/28

Out: 0.001+/-0.000 χ^2/NDF:14673036.2/31

All: 0.002+/-0.000 χ^2/NDF: 26679694.1/60

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: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/26

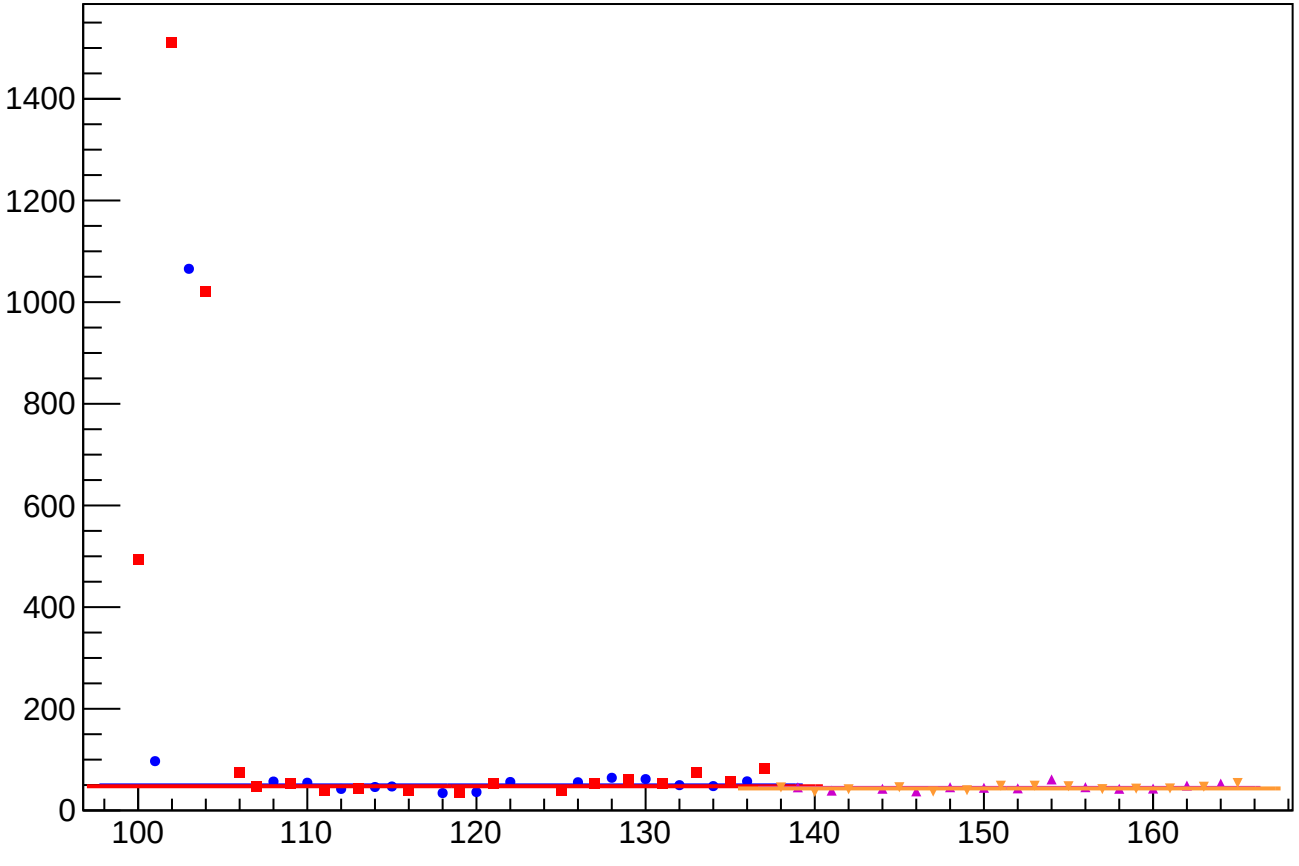
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/60

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: 43.321+/-0.010 χ^2/NDF:206625.7/13

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.378+/-0.010 χ^2/NDF:243884.5/12

Left: 43.842+/-0.007 χ^2/NDF: 455973.9/26

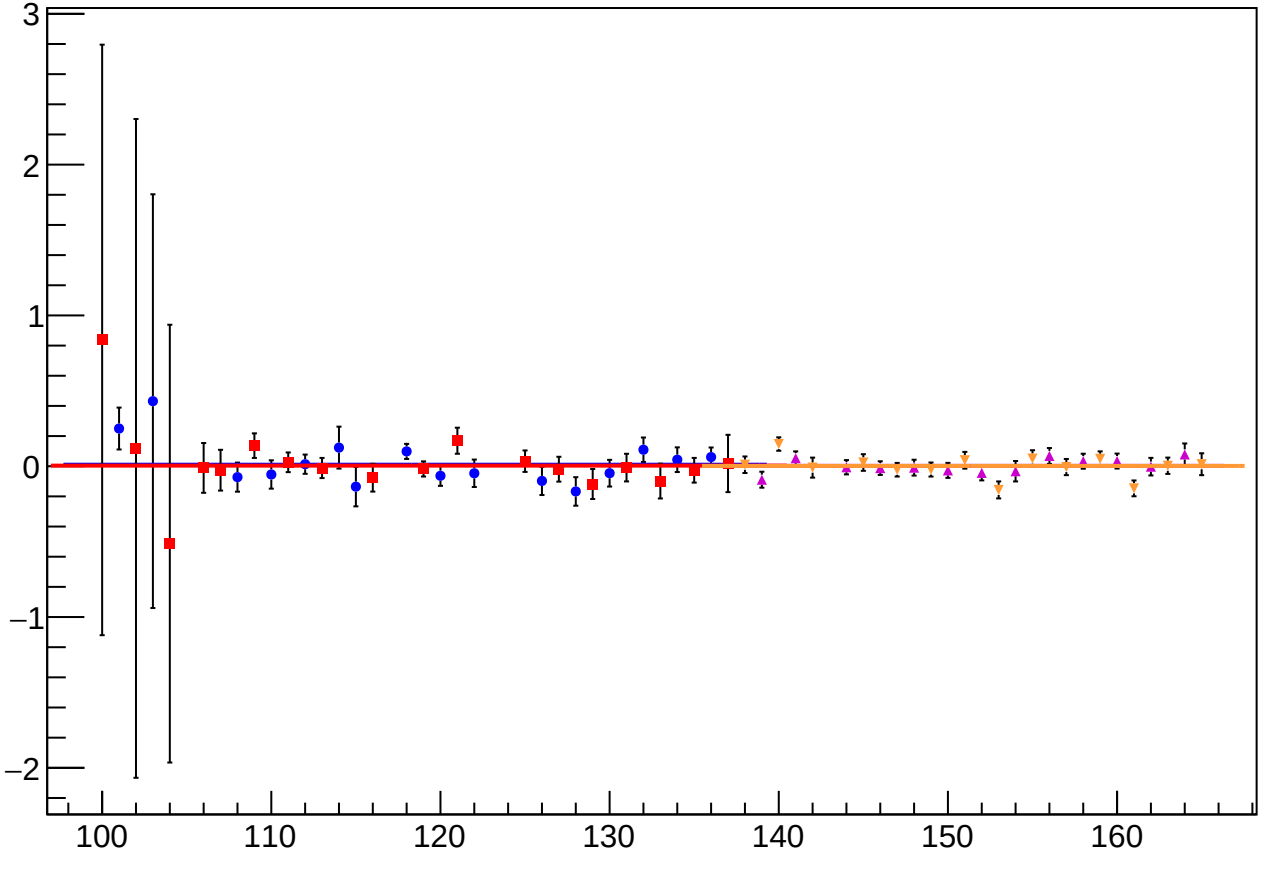
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.965+/-0.008 χ^2/NDF:2096814.3/28

Out: 44.621+/-0.008 χ^2/NDF:2680031.3/31

All: 45.292+/-0.006 χ^2/NDF: 4789707.5/60

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: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/26

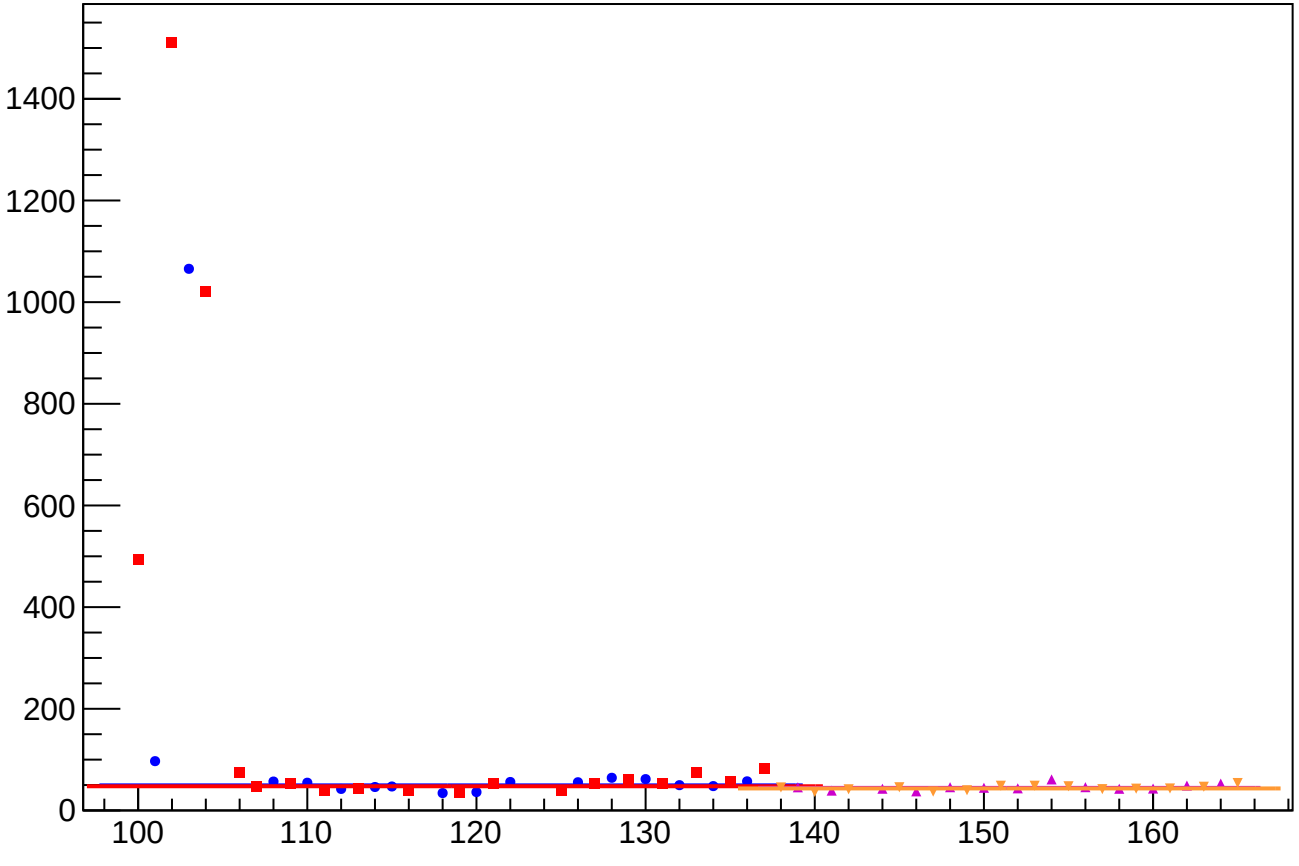
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/60

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: 43.321+/-0.010 χ^2/NDF:206625.7/13

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.378+/-0.010 χ^2/NDF:243884.5/12

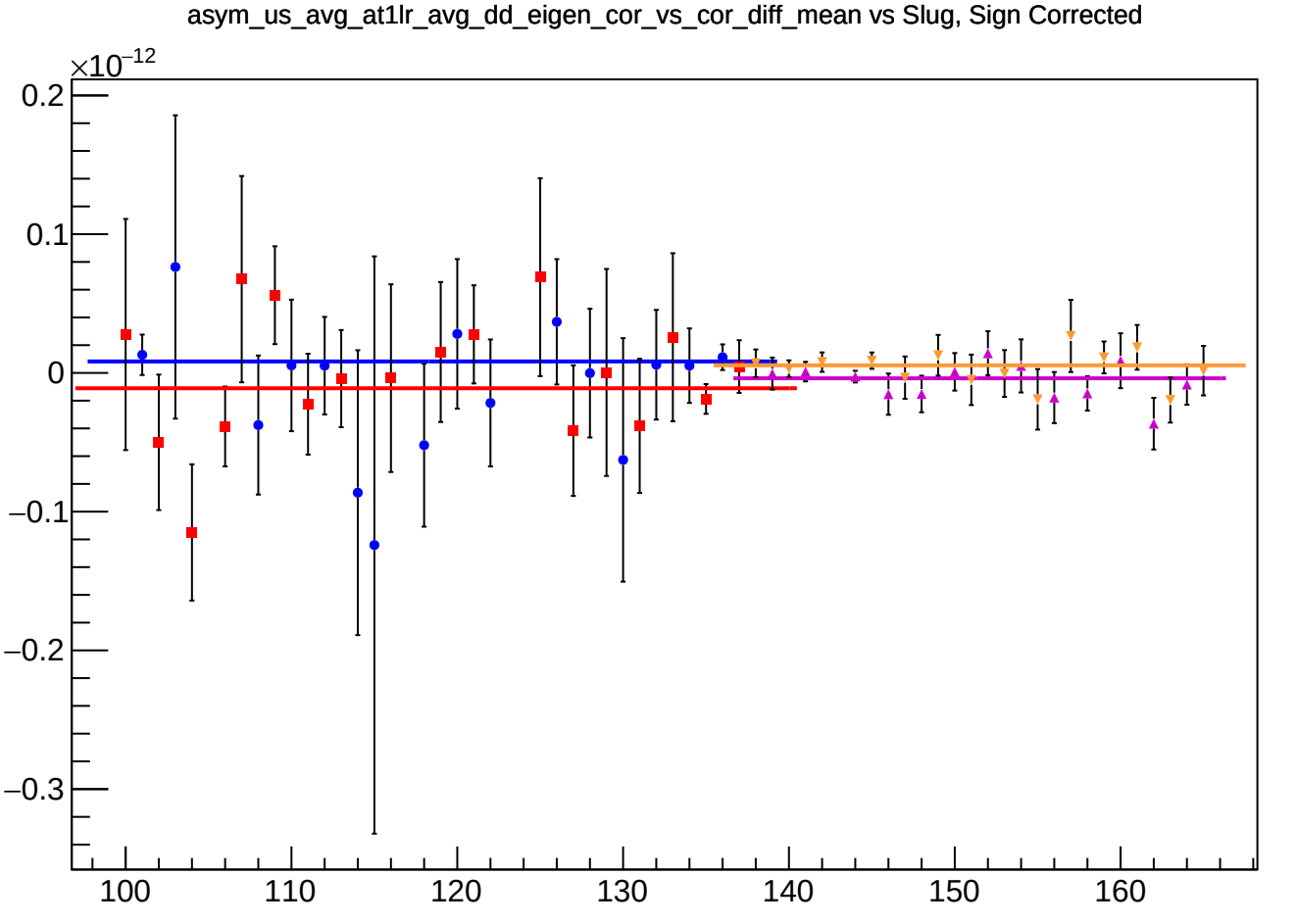
Left: 43.842+/-0.007 χ^2/NDF: 455973.9/26

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.965+/-0.008 χ^2/NDF:2096814.3/28

Out: 44.621+/-0.008 χ^2/NDF:2680031.3/31

All: 45.292+/-0.006 χ^2/NDF: 4789707.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.5/12

Left: 0.000+/-0.000 χ^2/NDF: 20.9/26

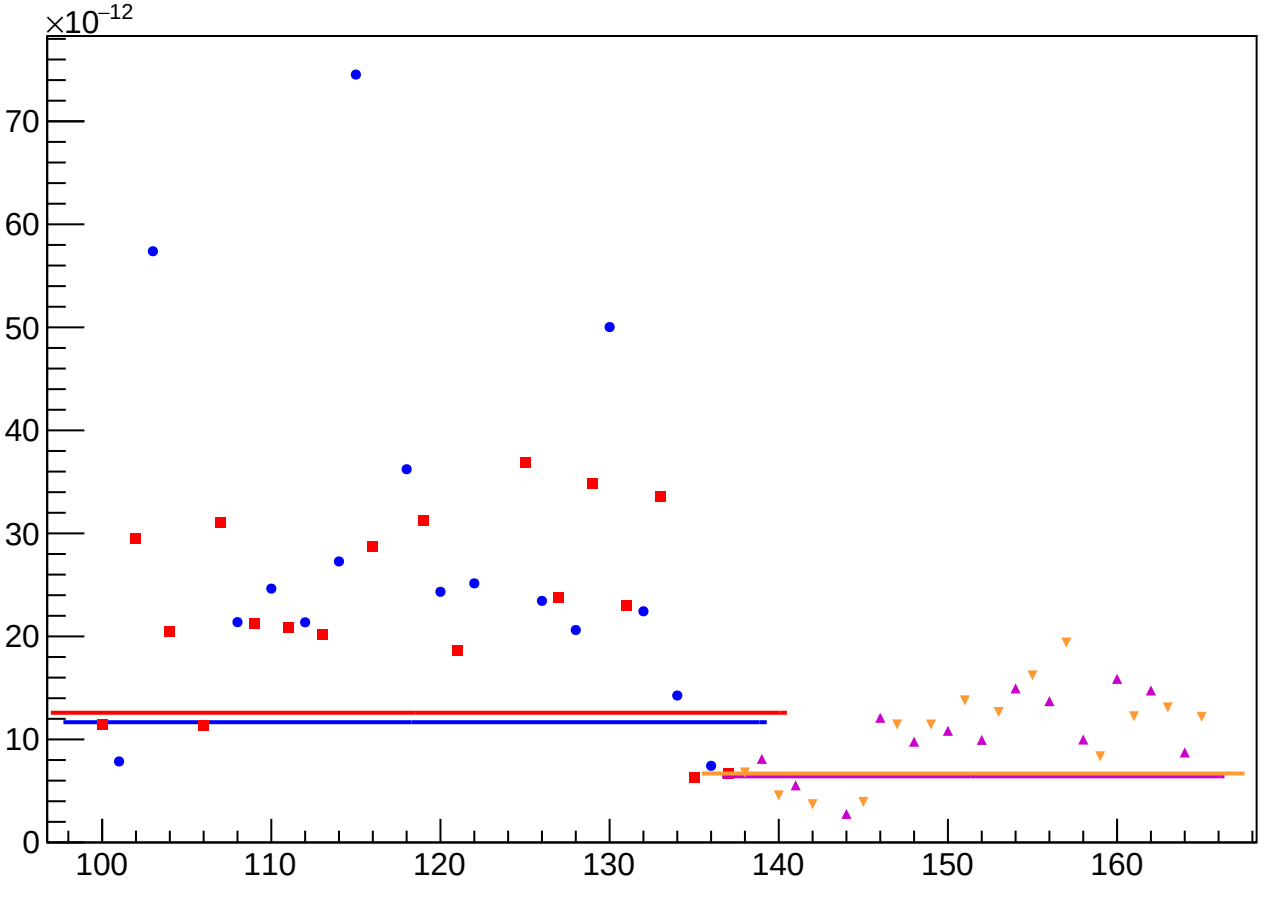
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:16.8/28

Out: 0.000+/-0.000 χ^2/NDF:27.6/31

All: 0.000+/-0.000 χ^2/NDF: 46.5/60

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3655974.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:4099398.3/12

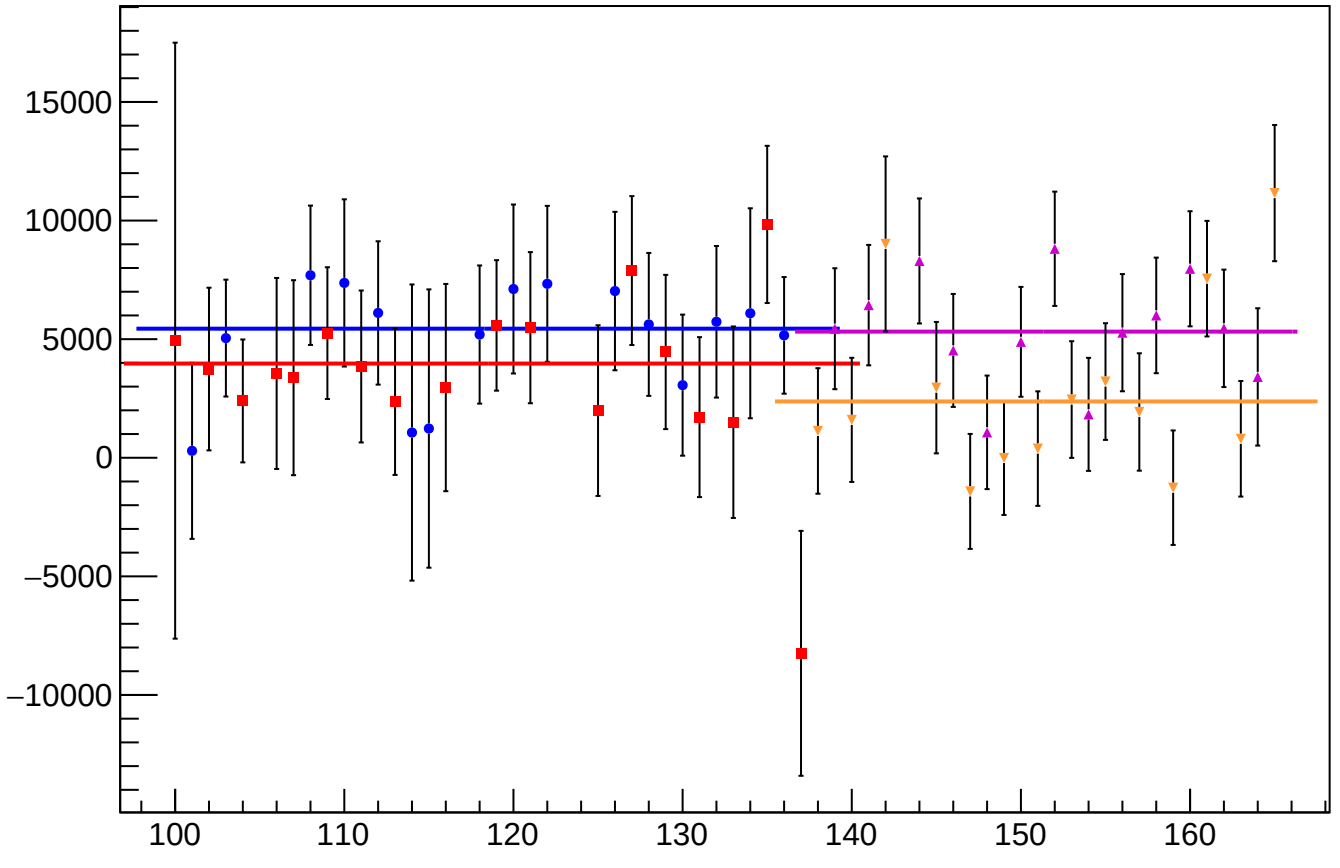
Left: 0.000+/-0.000 χ^2/NDF: 7764874.2/26

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8059441.2/28

Out: 0.000+/-0.000 χ^2/NDF:7734473.2/31

All: 0.000+/-0.000 χ^2/NDF: 15804254.3/60



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2374.040+/-684.885 χ^2/NDF:24.4/13

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5317.866+/-686.260 χ^2/NDF:10.7/12

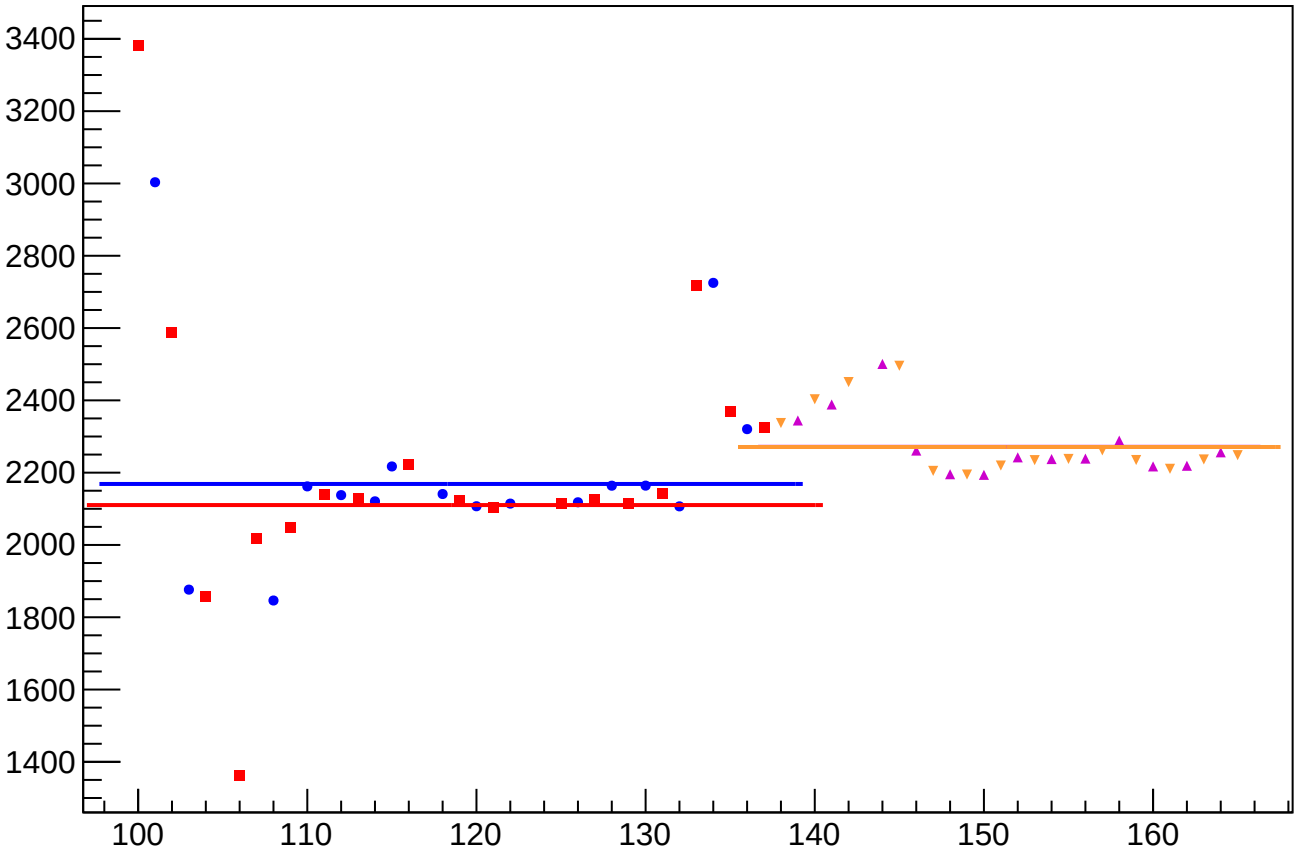
Left: 3843.000+/-484.772 χ^2/NDF: 44.4/26

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5369.688+/-524.285 χ^2/NDF:16.1/28

Out: 3041.033+/-522.728 χ^2/NDF:39.7/31

All: 4201.897+/-370.174 χ^2/NDF: 65.6/60



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

Left: 2271.216+/-0.343 χ^2/NDF: 60071.0/26

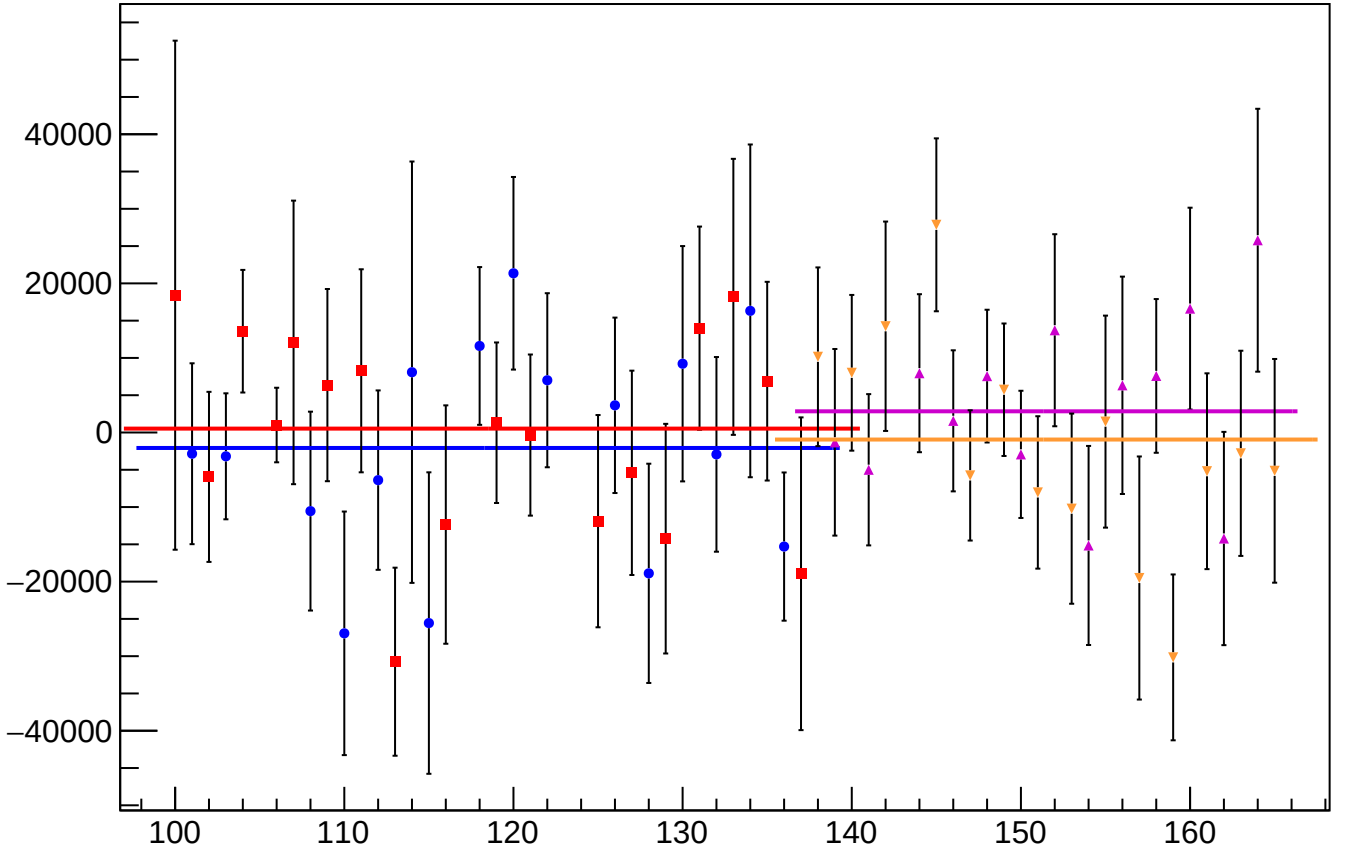
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2228.670+/-0.371 χ^2/NDF:242707.3/28

Out: 2202.682+/-0.367 χ^2/NDF:345880.0/31

All: 2215.550+/-0.261 χ^2/NDF: 591068.1/60

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: -944.647+/-3124.109 χ^2/NDF:19.2/13

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2841.400+/-3133.066 χ^2/NDF:8.6/12

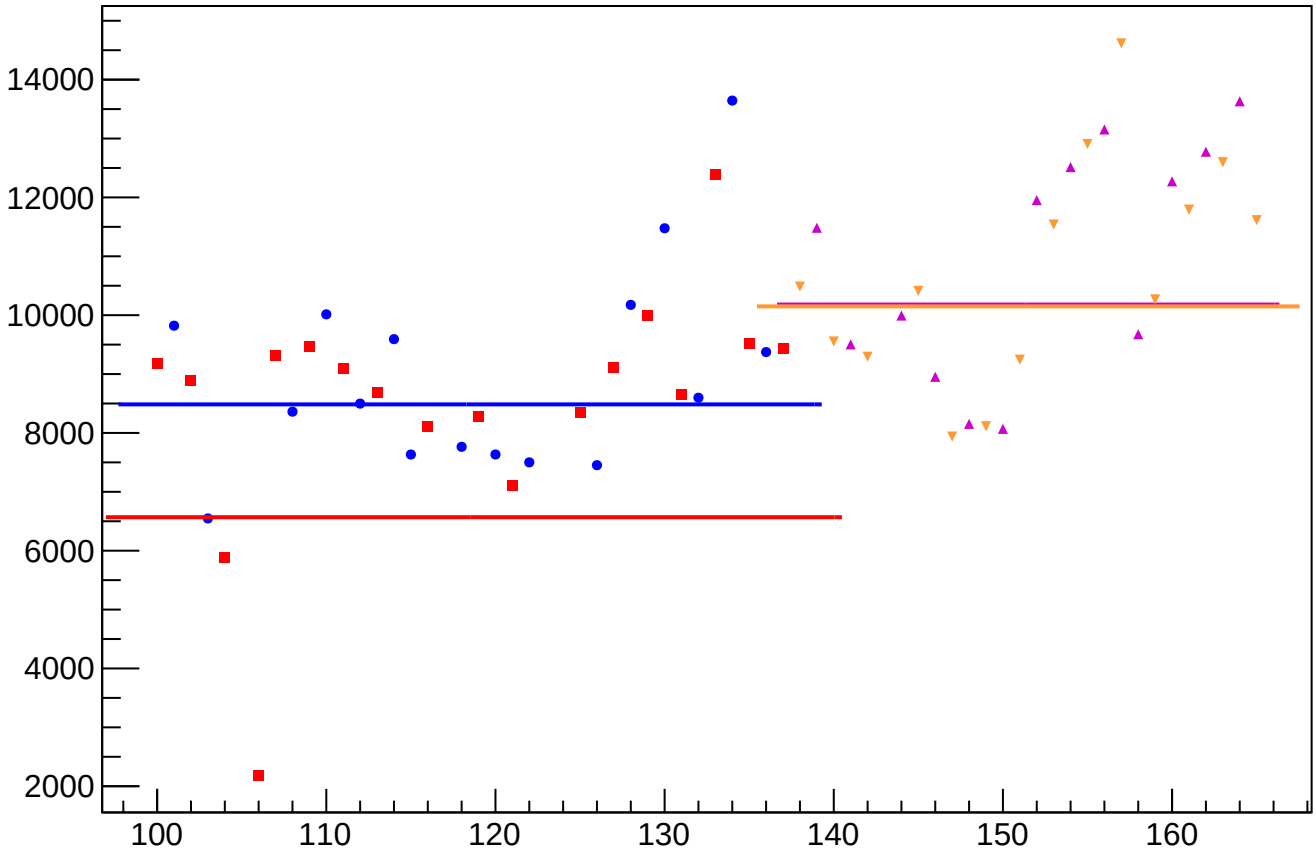
Left: 942.957+/-2212.238 χ^2/NDF: 28.6/26

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 444.499+/-2242.830 χ^2/NDF:24.3/28

Out: -109.534+/-2049.531 χ^2/NDF:35.0/31

All: 142.583+/-1512.968 χ^2/NDF: 59.4/60



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10149.315+/-2.209 χ^2/NDF:628468.0/13

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10181.080+/-2.215 χ^2/NDF:668524.4/12

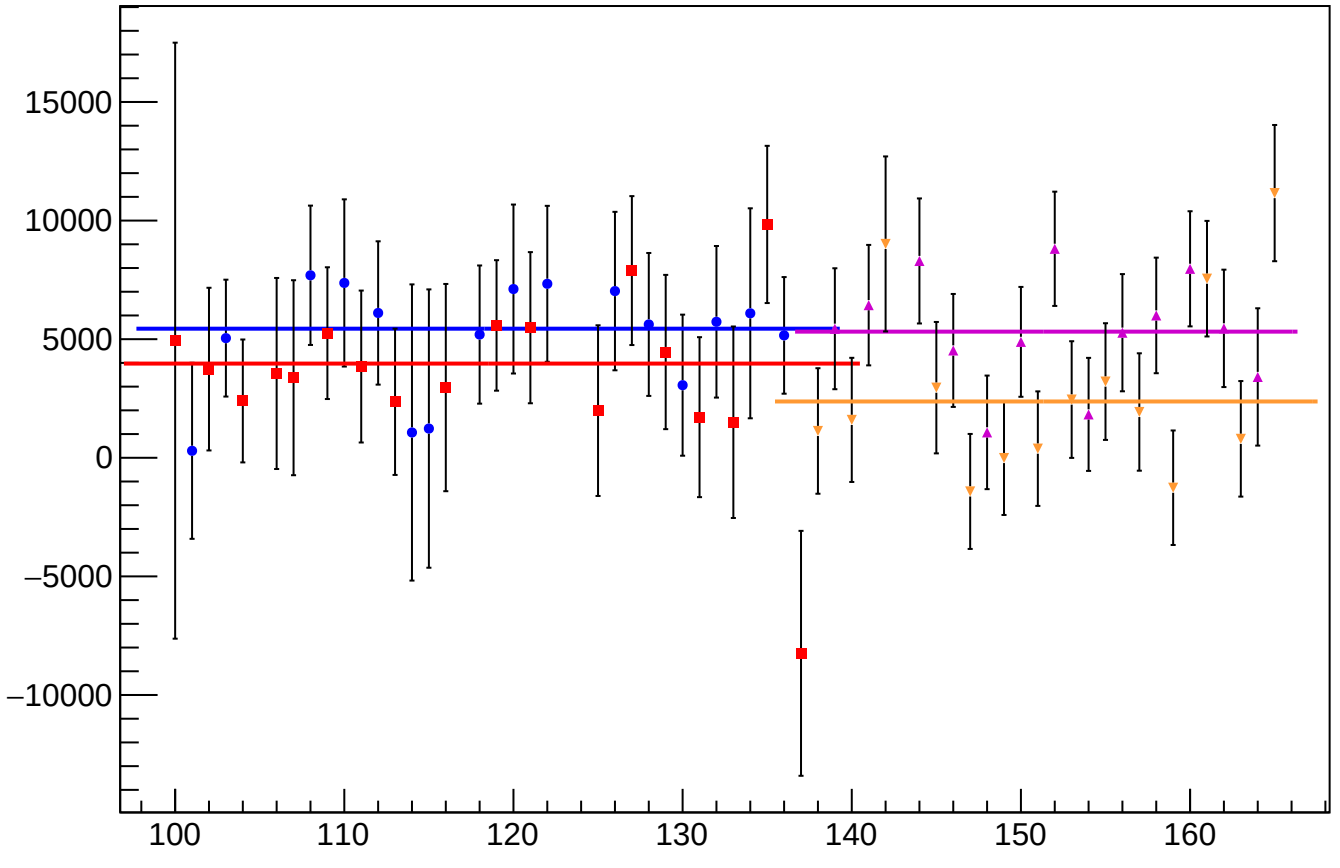
Left: 10165.152+/-1.564 χ^2/NDF: 1297095.5/26

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9354.161+/-1.586 χ^2/NDF:1376989.8/28

Out: 8109.748+/-1.449 χ^2/NDF:4693838.6/31

All: 8676.028+/-1.070 χ^2/NDF: 6406347.0/60



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2373.931+/-684.885 χ^2/NDF:24.4/13

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5317.999+/-686.260 χ^2/NDF:10.7/12

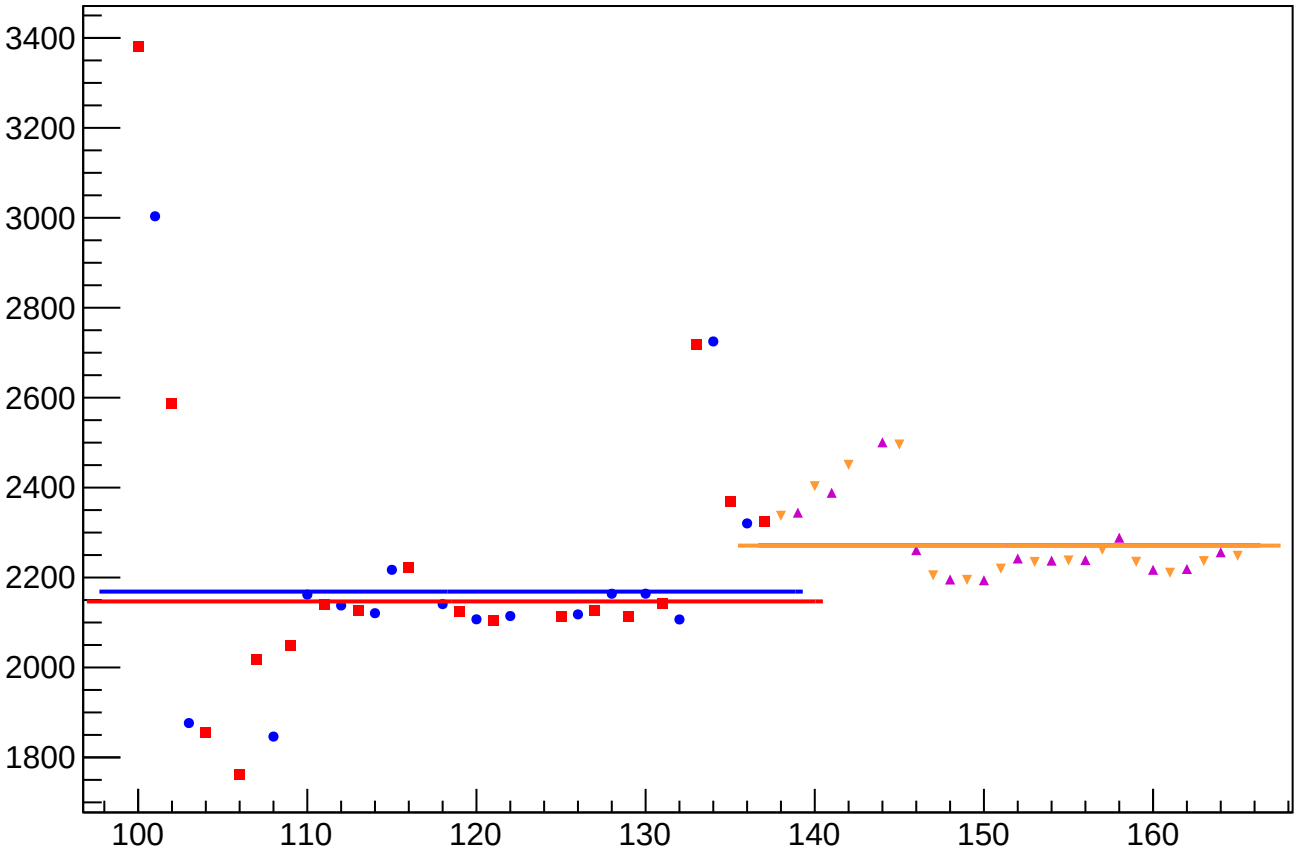
Left: 3843.012+/-484.772 χ^2/NDF: 44.4/26

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5369.825+/-524.285 χ^2/NDF:16.1/28

Out: 3040.861+/-522.728 χ^2/NDF:39.7/31

All: 4201.879+/-370.174 χ^2/NDF: 65.6/60



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

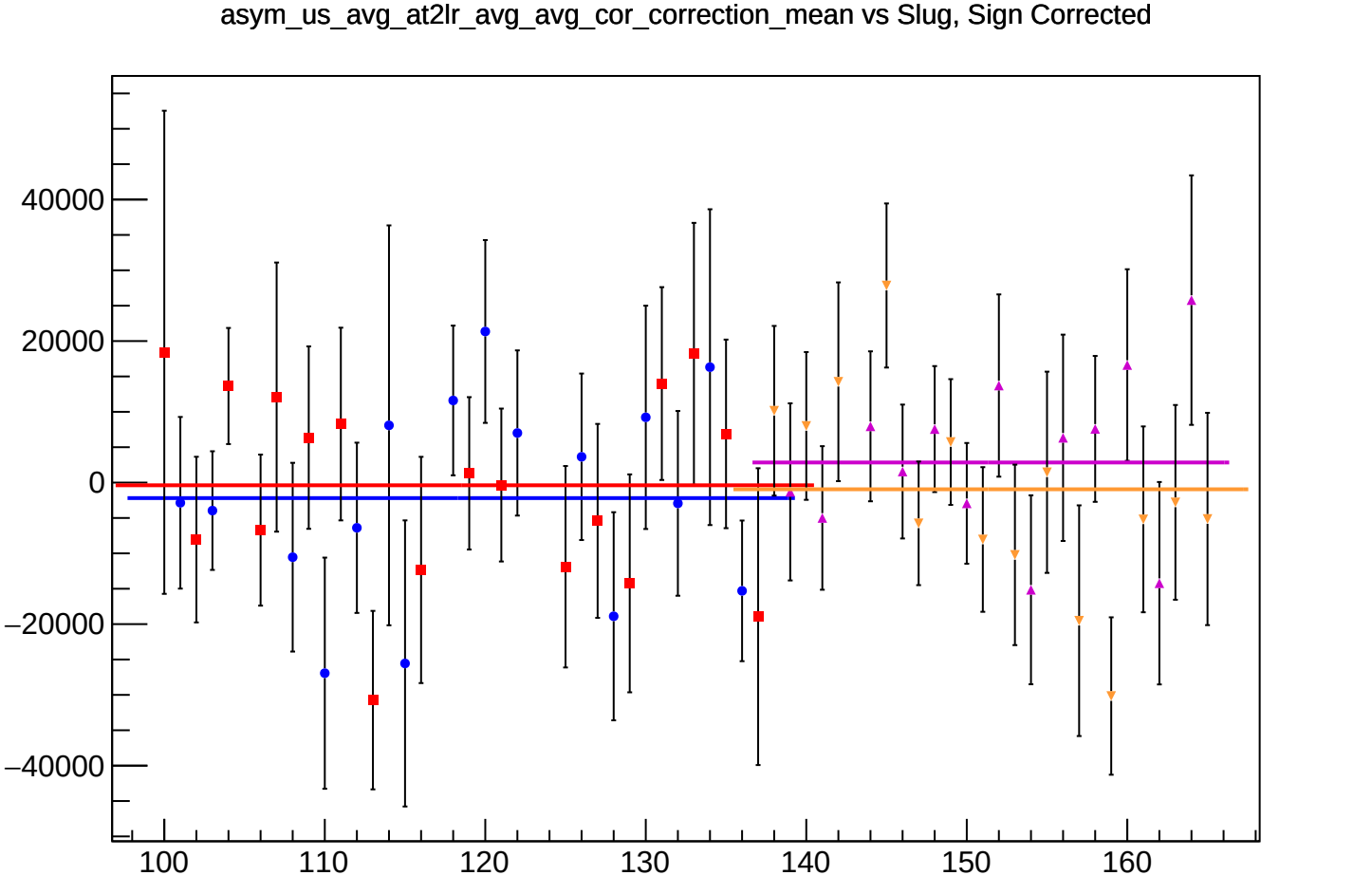
Left: 2271.216+/-0.343 χ^2/NDF: 60071.0/26

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.670+/-0.371 χ^2/NDF:242707.7/28

Out: 2218.883+/-0.369 χ^2/NDF:217006.3/31

All: 2223.752+/-0.261 χ^2/NDF: 460064.2/60



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -944.682+/-3124.106 χ^2/NDF:19.2/13

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2841.620+/-3133.065 χ^2/NDF:8.6/12

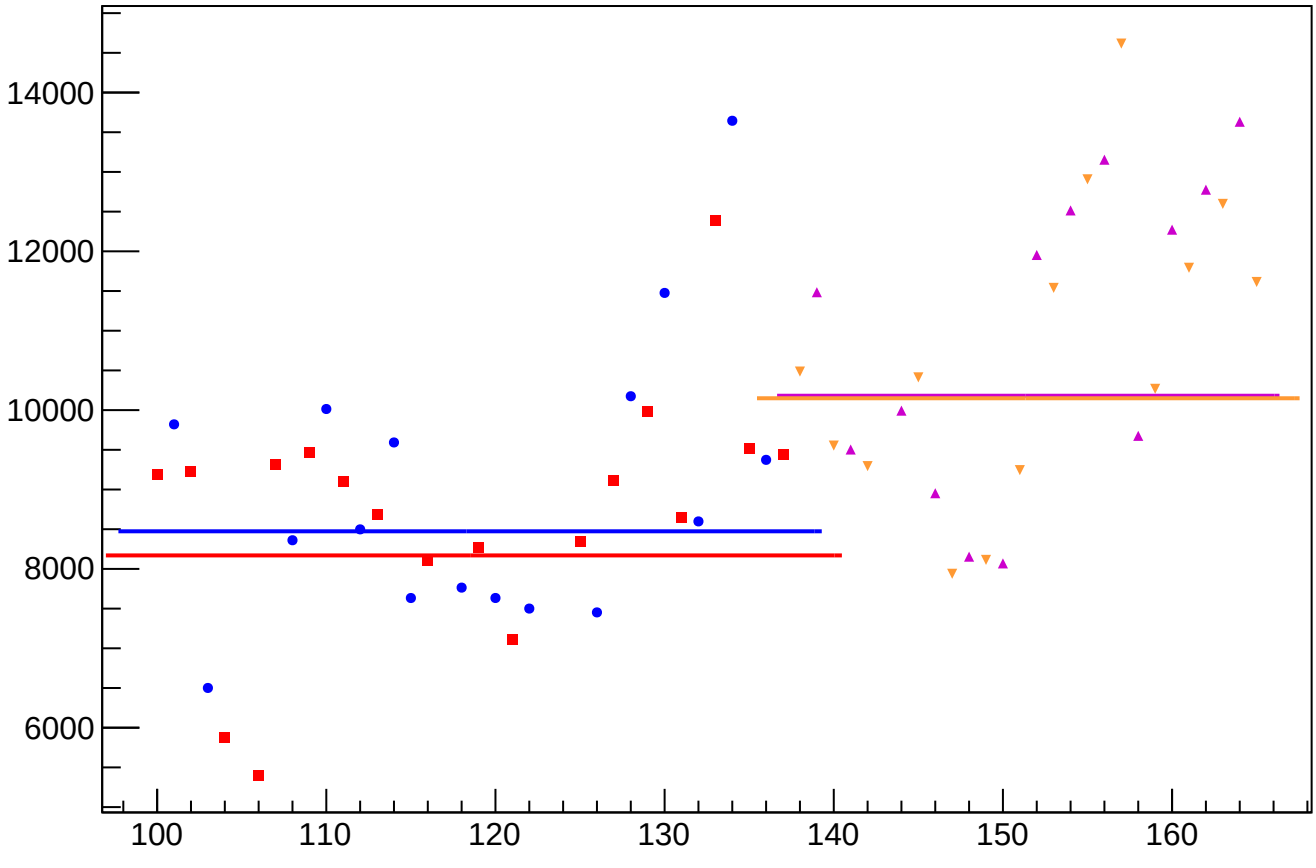
Left: 943.048+/-2212.237 χ^2/NDF: 28.6/26

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 386.036+/-2241.614 χ^2/NDF:24.4/28

Out: -659.765+/-2200.488 χ^2/NDF:35.6/31

All: -146.546+/-1570.318 χ^2/NDF: 60.0/60



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10149.306+/-2.209 χ^2/NDF:628470.3/13

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

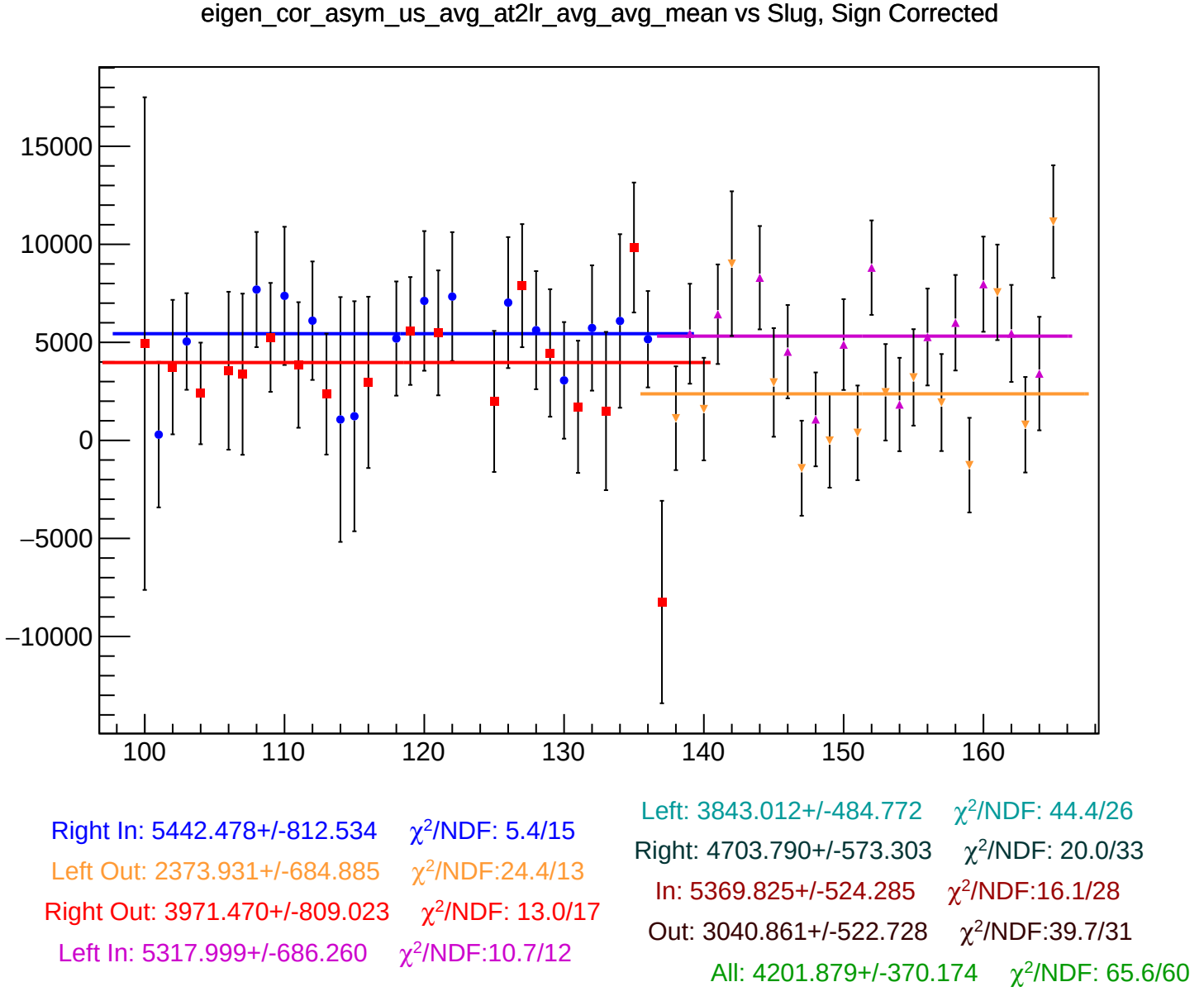
Left: 10165.145+/-1.564 χ^2/NDF: 1297102.8/26

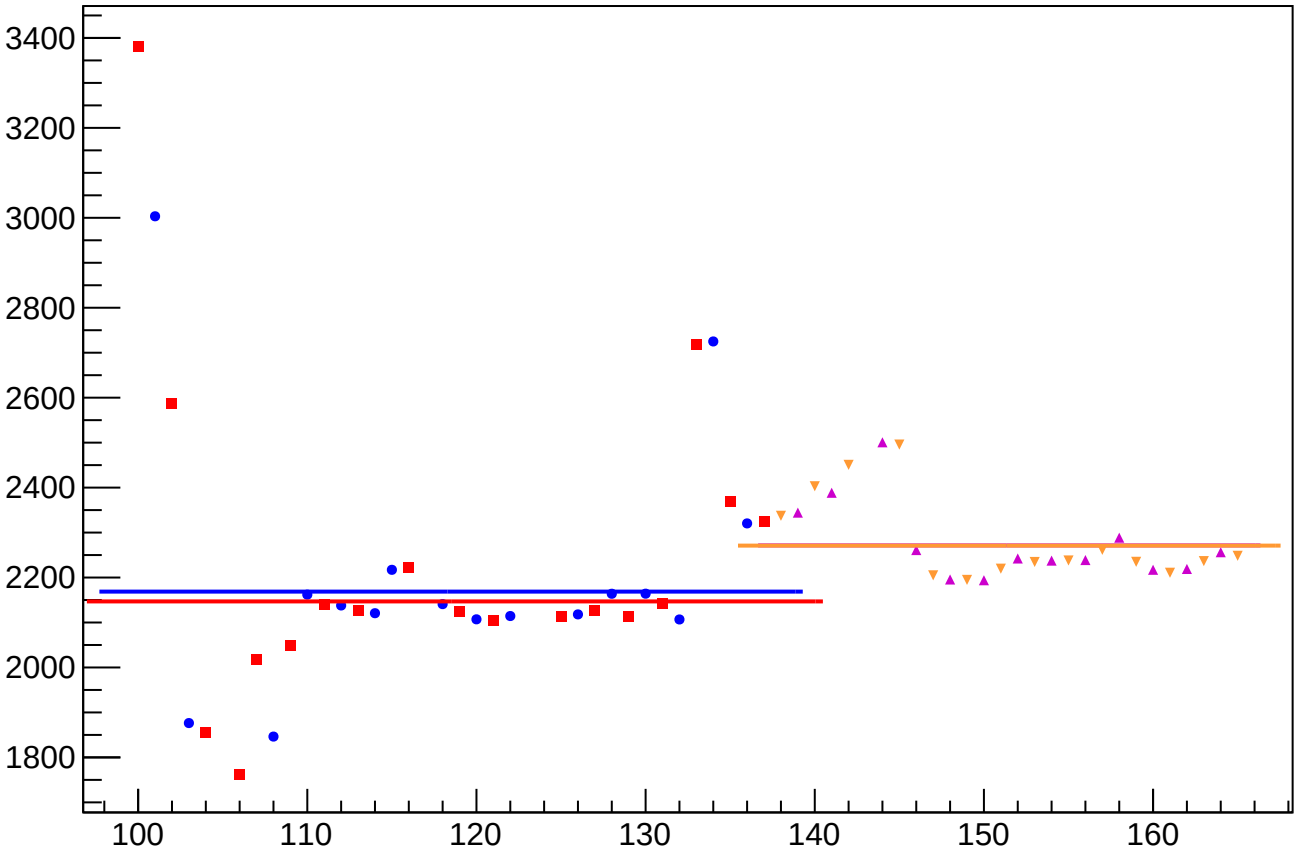
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9347.722+/-1.585 χ^2/NDF:1387970.3/28

Out: 9151.986+/-1.556 χ^2/NDF:1572897.4/31

All: 9248.042+/-1.110 χ^2/NDF: 2968633.5/60


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2373.931+/-684.885 χ²/NDF:24.4/13
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5317.999+/-686.260 χ²/NDF:10.7/12
Left: 3843.012+/-484.772 χ²/NDF: 44.4/26
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5369.825+/-524.285 χ²/NDF:16.1/28
Out: 3040.861+/-522.728 χ²/NDF:39.7/31
All: 4201.879+/-370.174 χ²/NDF: 65.6/60



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

Left: 2271.216+/-0.343 χ^2/NDF: 60071.0/26

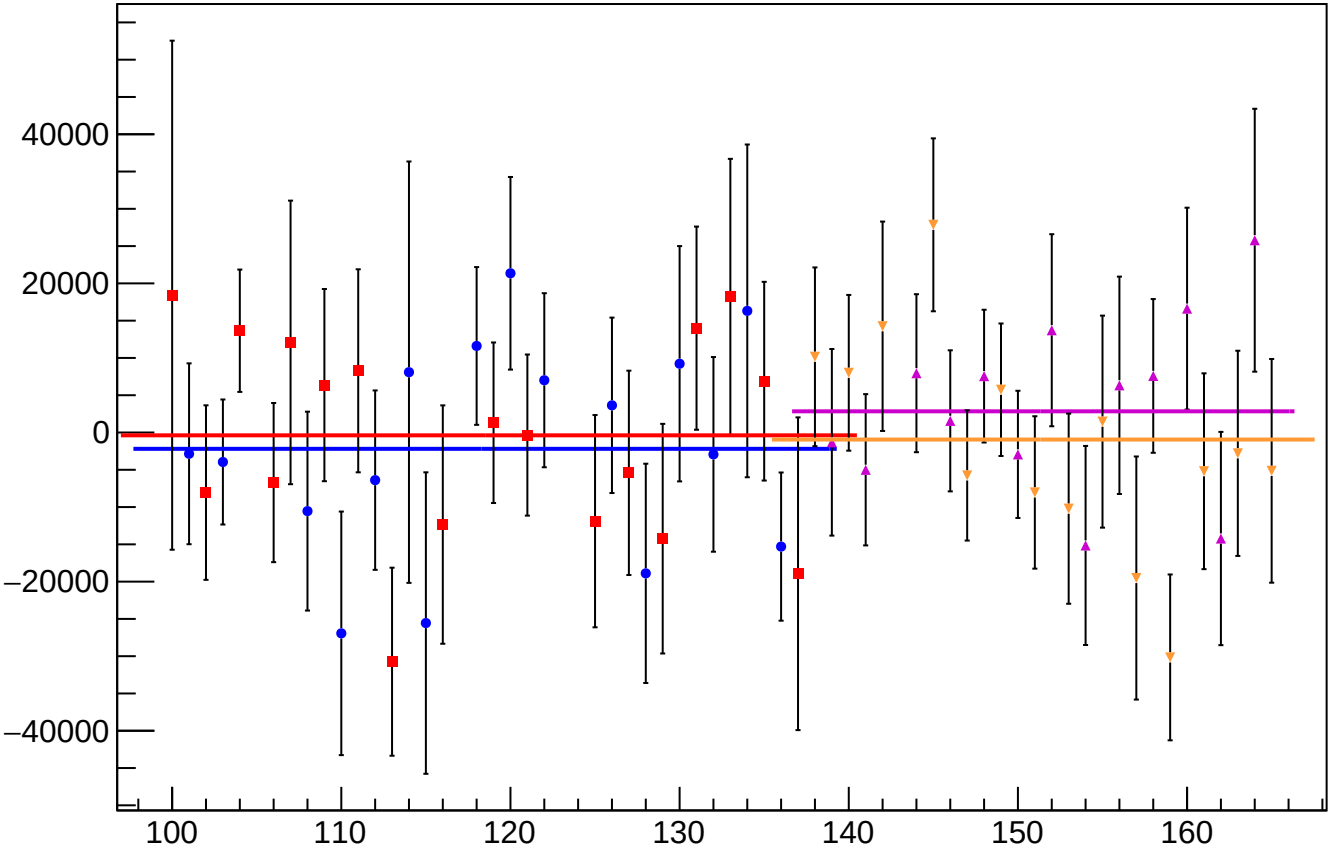
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.670+/-0.371 χ^2/NDF:242707.7/28

Out: 2218.883+/-0.369 χ^2/NDF:217006.3/31

All: 2223.752+/-0.261 χ^2/NDF: 460064.2/60

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -944.682+/-3124.106 χ^2/NDF:19.2/13

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2841.620+/-3133.065 χ^2/NDF:8.6/12

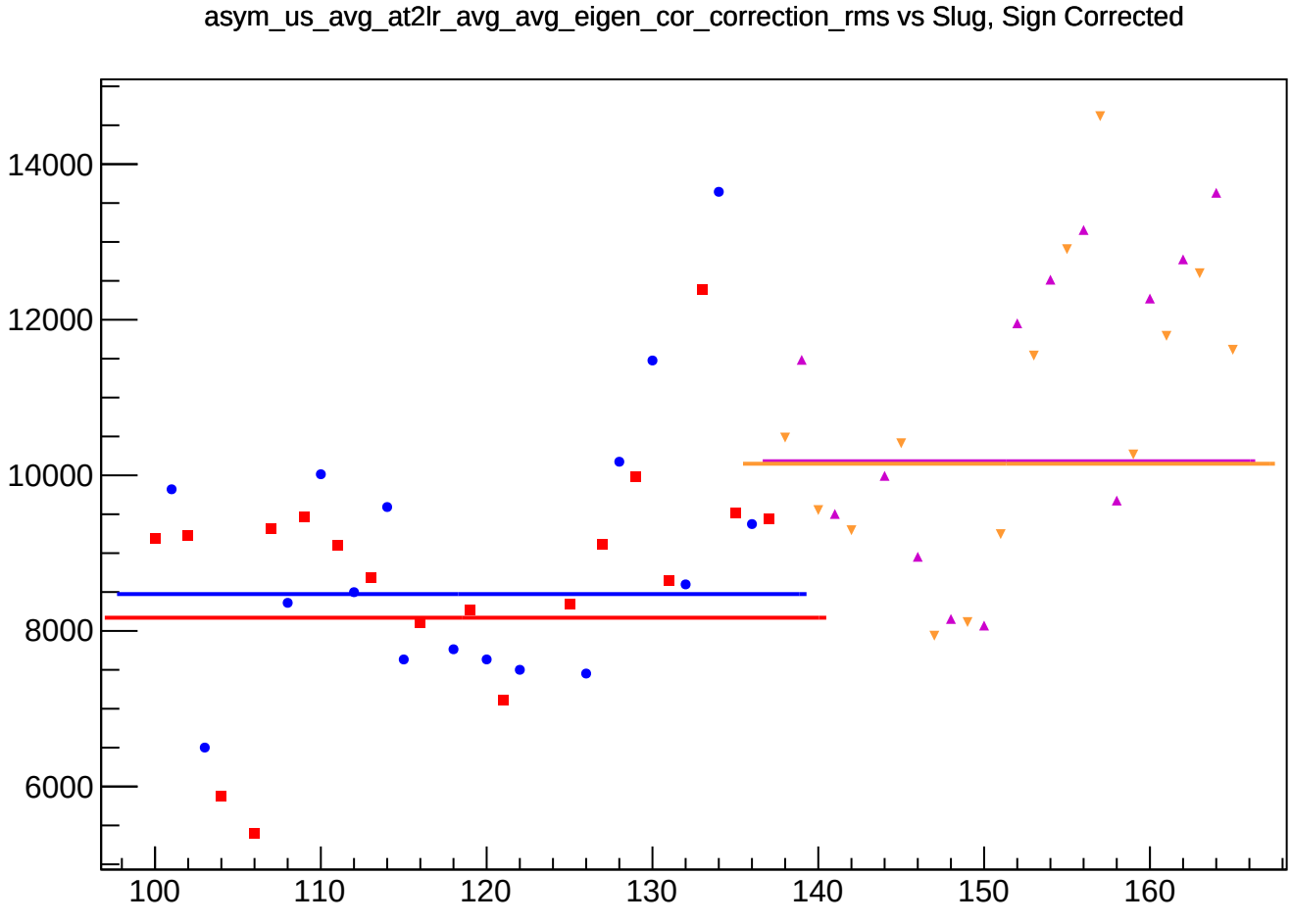
Left: 943.048+/-2212.237 χ^2/NDF: 28.6/26

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 386.036+/-2241.614 χ^2/NDF:24.4/28

Out: -659.765+/-2200.488 χ^2/NDF:35.6/31

All: -146.546+/-1570.318 χ^2/NDF: 60.0/60



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10149.306+/-2.209 χ^2/NDF:628470.3/13

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

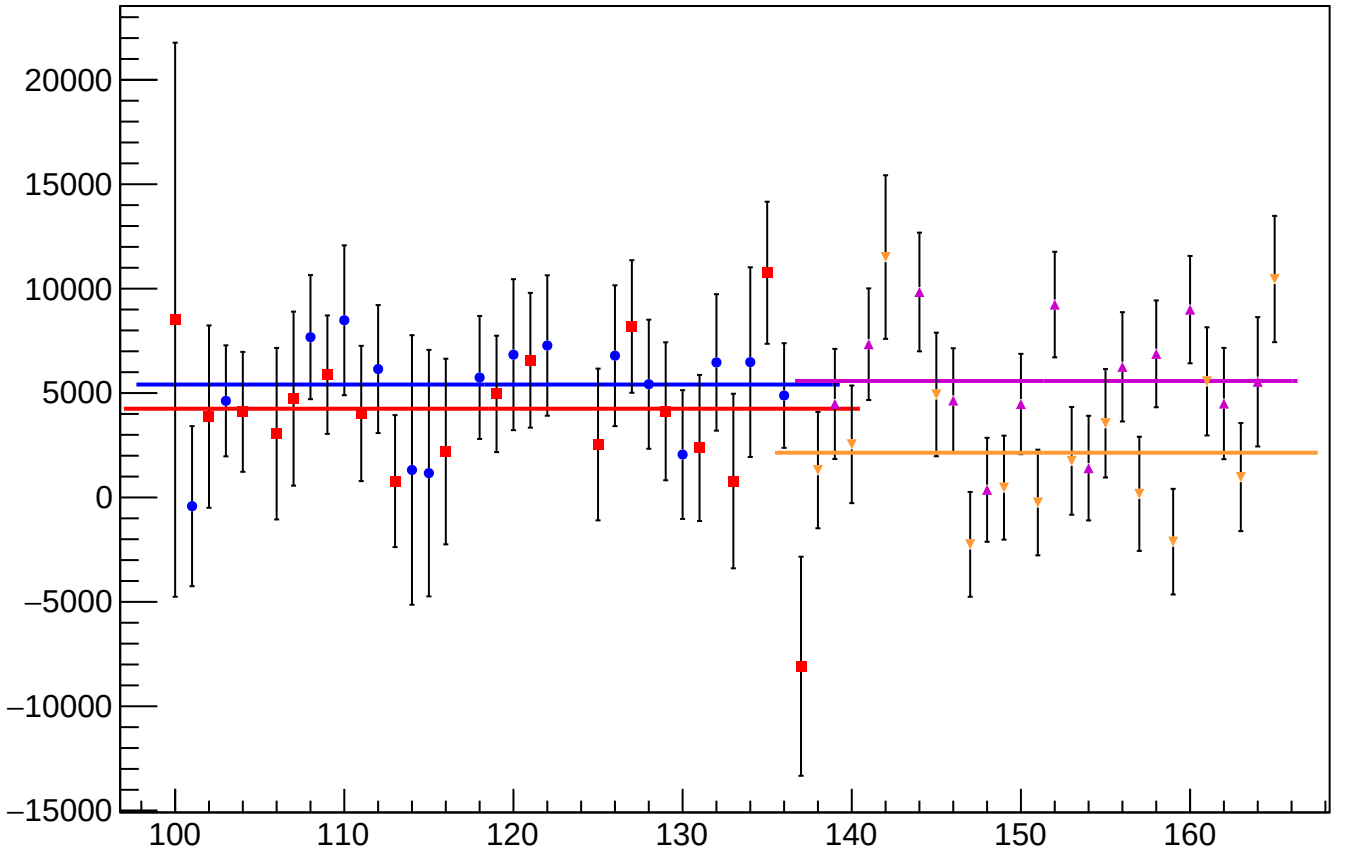
Left: 10165.145+/-1.564 χ^2/NDF: 1297102.8/26

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9347.722+/-1.585 χ^2/NDF:1387970.3/28

Out: 9151.986+/-1.556 χ^2/NDF:1572897.4/31

All: 9248.042+/-1.110 χ^2/NDF: 2968633.5/60



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2142.843+/-724.188 χ^2/NDF:24.3/13

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5578.482+/-722.992 χ^2/NDF:14.7/12

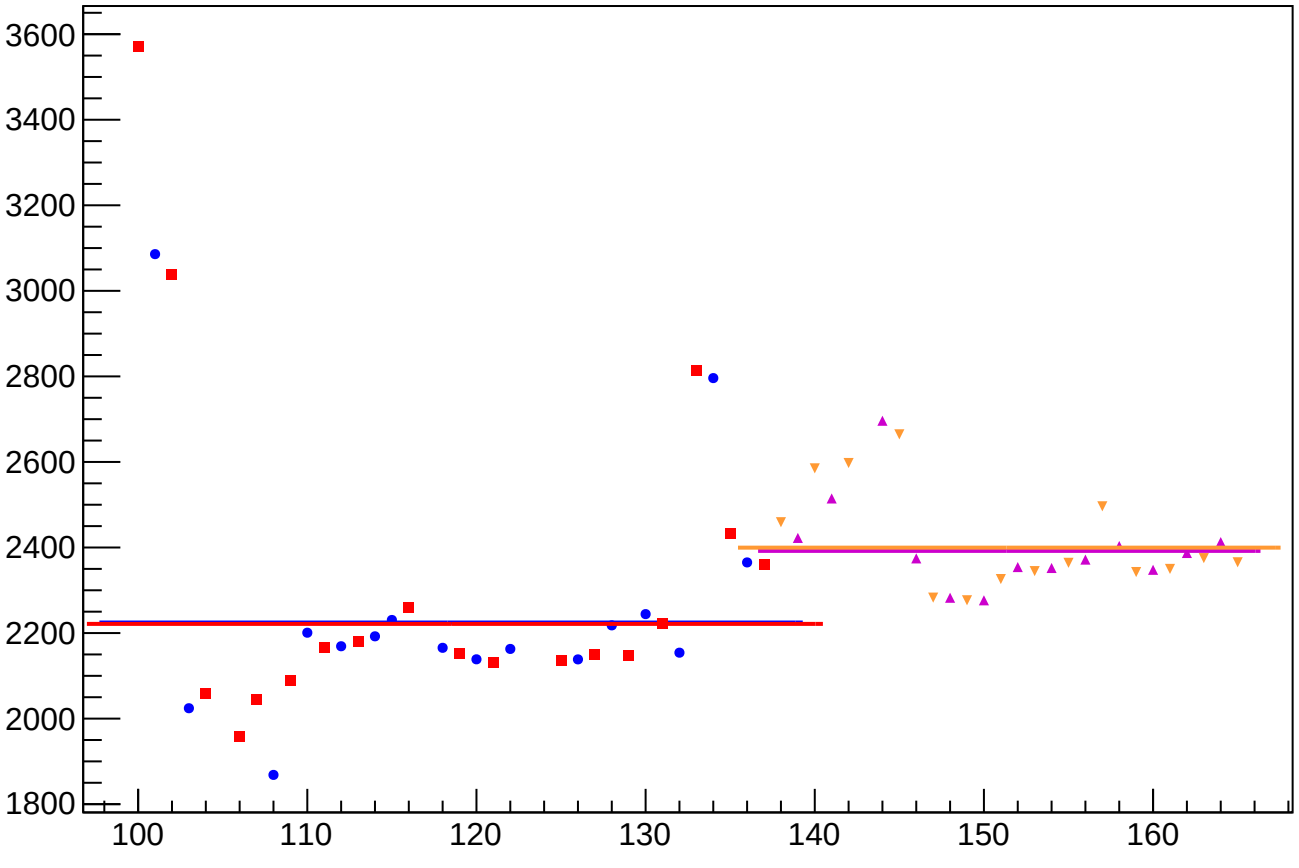
Left: 3863.501+/-511.655 χ^2/NDF: 50.3/26

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5505.246+/-546.207 χ^2/NDF:21.5/28

Out: 3042.031+/-548.306 χ^2/NDF:42.4/31

All: 4278.361+/-386.967 χ^2/NDF: 74.0/60



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2399.676+/-0.512 χ^2/NDF:47572.0/13

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.088+/-0.511 χ^2/NDF:37785.9/12

Left: 2395.876+/-0.362 χ^2/NDF: 85467.9/26

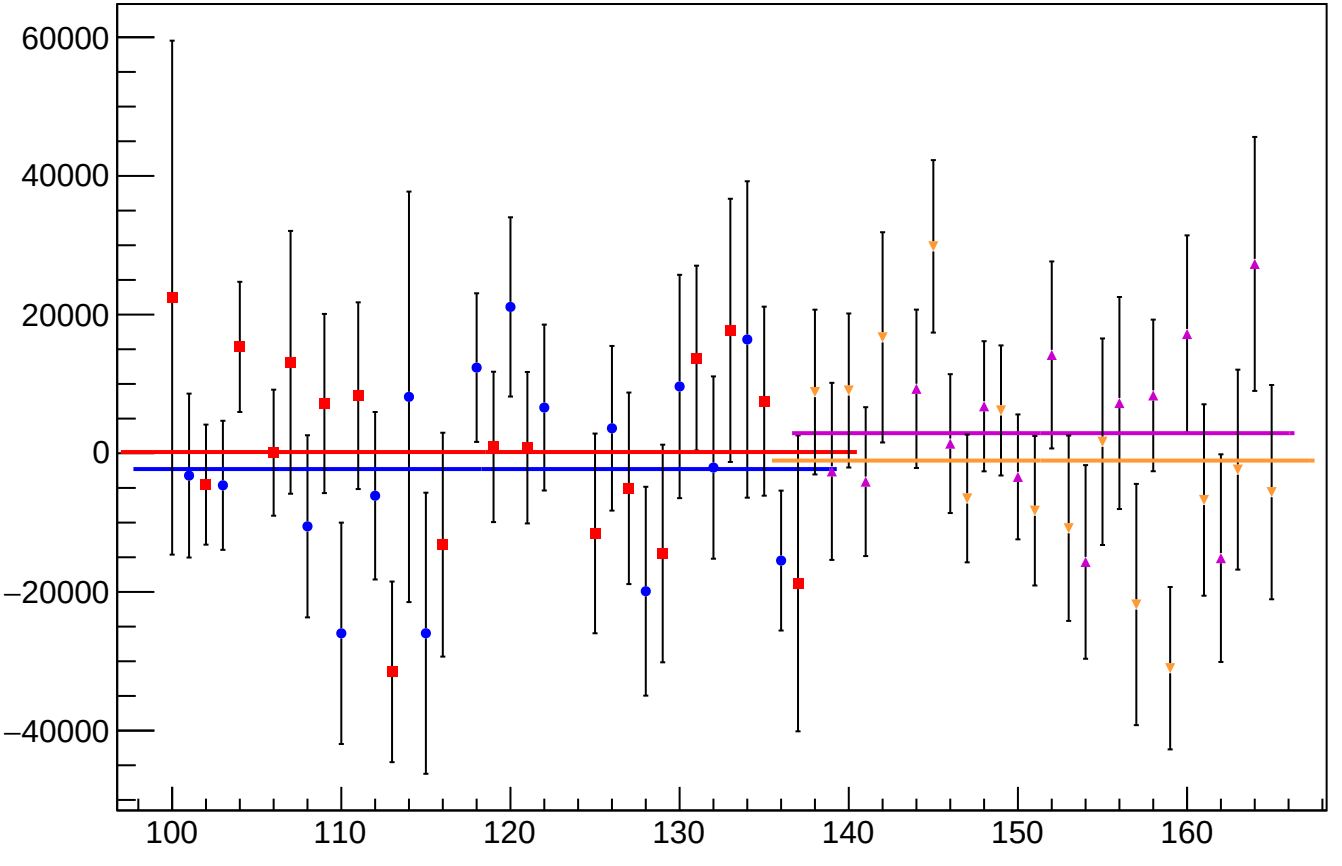
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2320.200+/-0.386 χ^2/NDF:268530.3/28

Out: 2323.554+/-0.388 χ^2/NDF:269261.9/31

All: 2321.871+/-0.274 χ^2/NDF: 537829.7/60

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -1054.256+/-3284.403 χ^2/NDF:19.3/13

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2897.368+/-3301.017 χ^2/NDF:8.6/12

Left: 911.586+/-2328.276 χ^2/NDF: 28.6/26

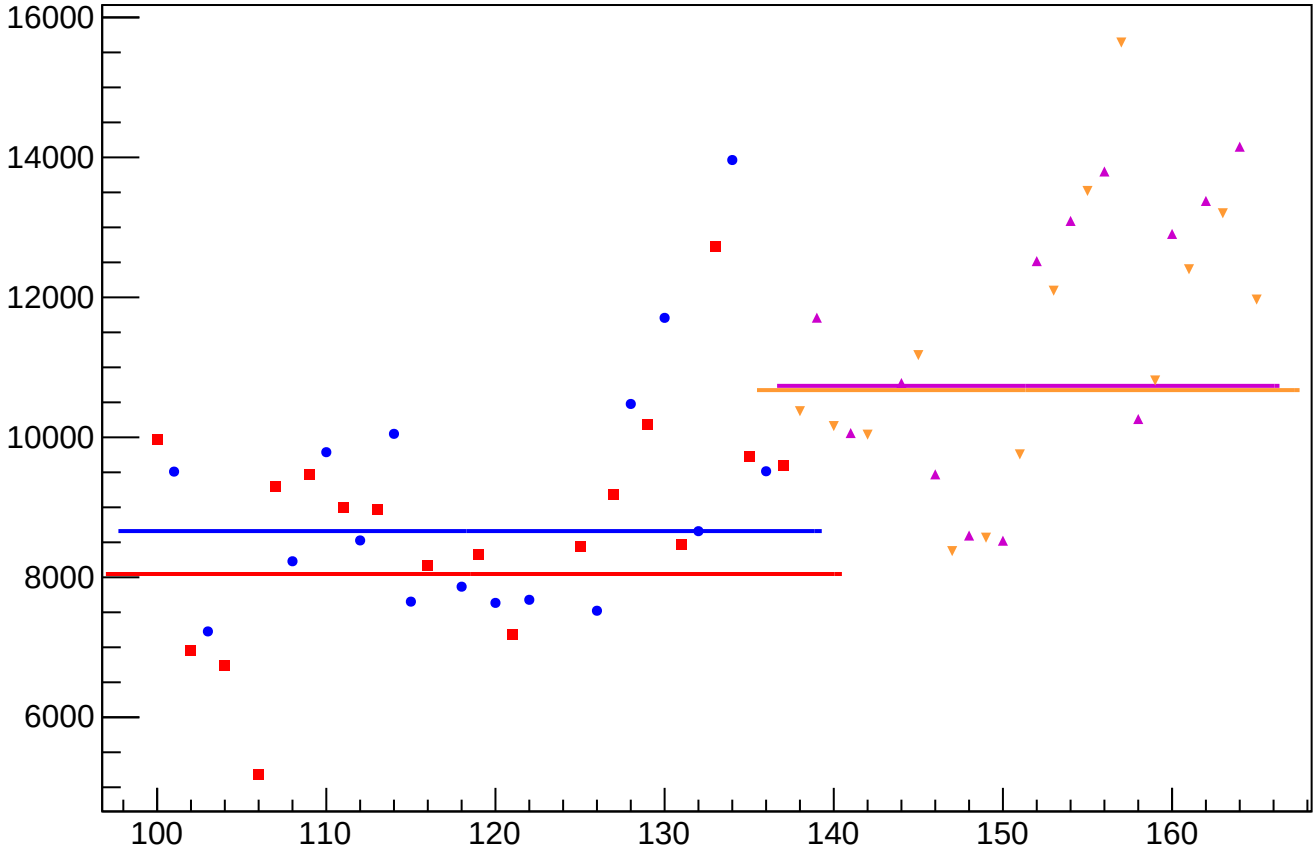
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: 286.417+/-2323.755 χ^2/NDF:24.4/28

Out: -390.169+/-2229.172 χ^2/NDF:35.0/31

All: -65.926+/-1608.661 χ^2/NDF: 59.4/60

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: 10674.901+/-2.322 χ^2/NDF:618205.2/13

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10735.807+/-2.334 χ^2/NDF:630316.8/12

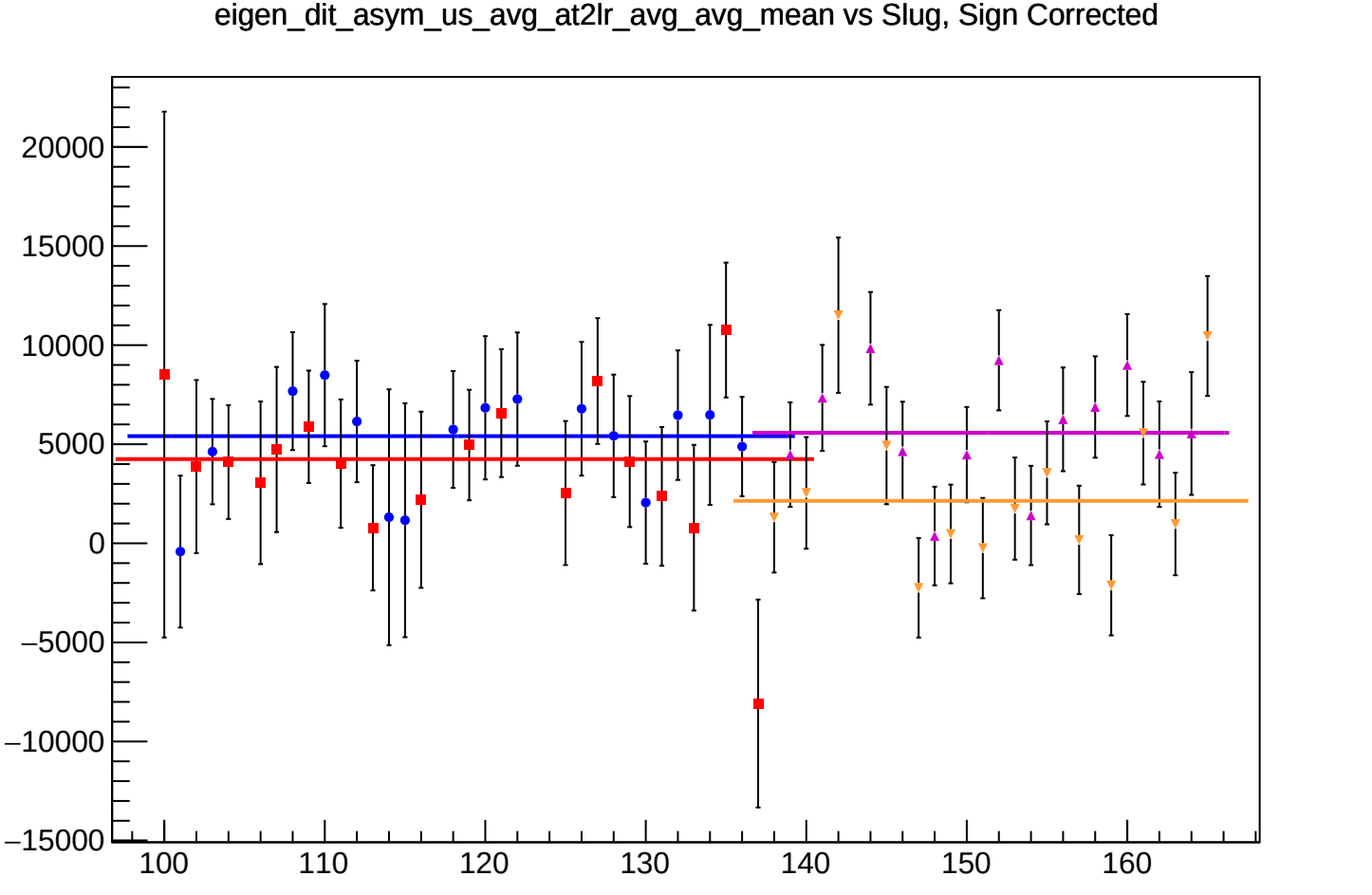
Left: 10705.200+/-1.646 χ^2/NDF: 1248864.1/26

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9689.030+/-1.643 χ^2/NDF:1386956.6/28

Out: 9257.799+/-1.576 χ^2/NDF:1867085.5/31

All: 9464.460+/-1.137 χ^2/NDF: 3289910.4/60



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2142.822+/-724.189 χ^2/NDF:24.3/13

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5578.486+/-722.993 χ^2/NDF:14.7/12

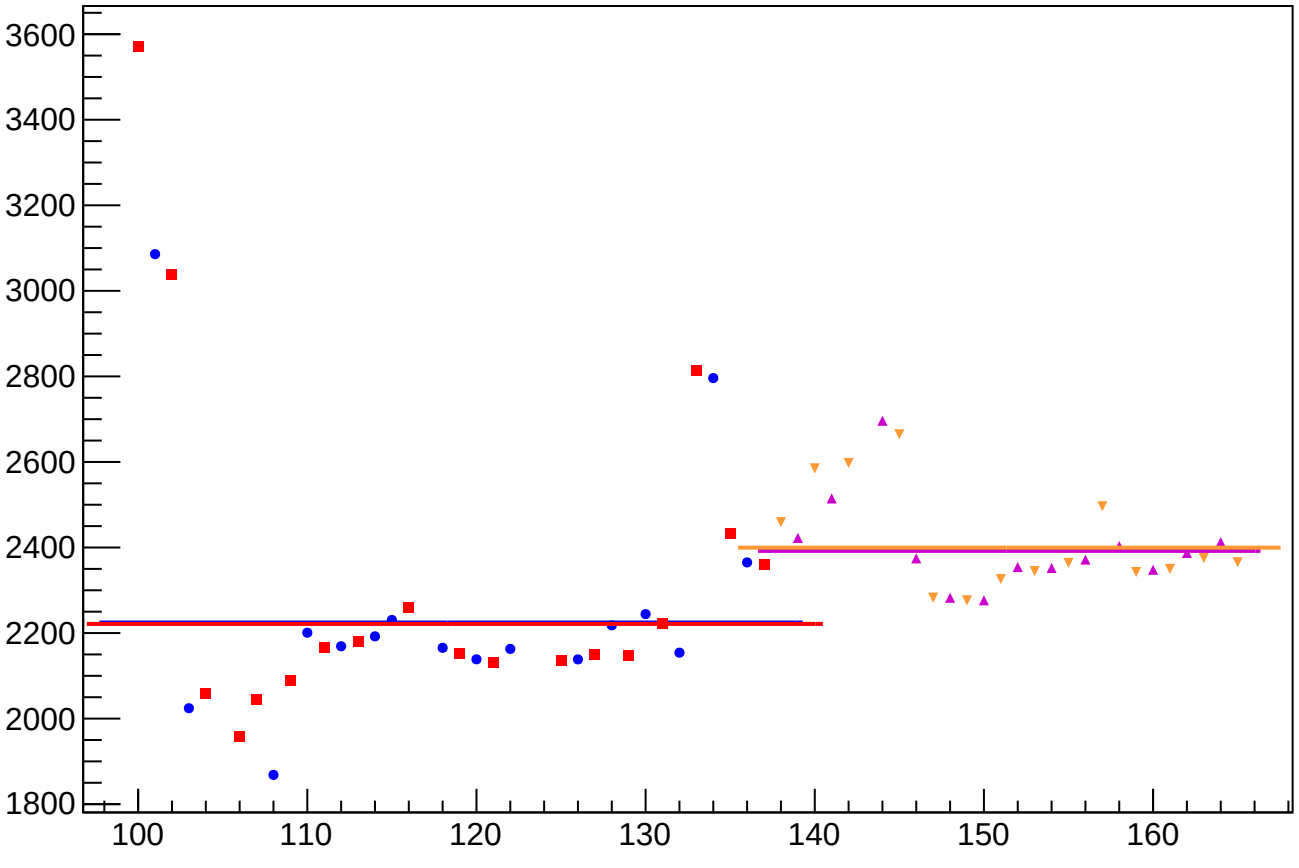
Left: 3863.493+/-511.656 χ^2/NDF: 50.3/26

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5505.249+/-546.208 χ^2/NDF:21.5/28

Out: 3042.023+/-548.306 χ^2/NDF:42.4/31

All: 4278.358+/-386.967 χ^2/NDF: 74.0/60



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2399.680+/-0.512 χ^2/NDF:47572.5/13

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.092+/-0.511 χ^2/NDF:37786.2/12

Left: 2395.880+/-0.362 χ^2/NDF: 85468.7/26

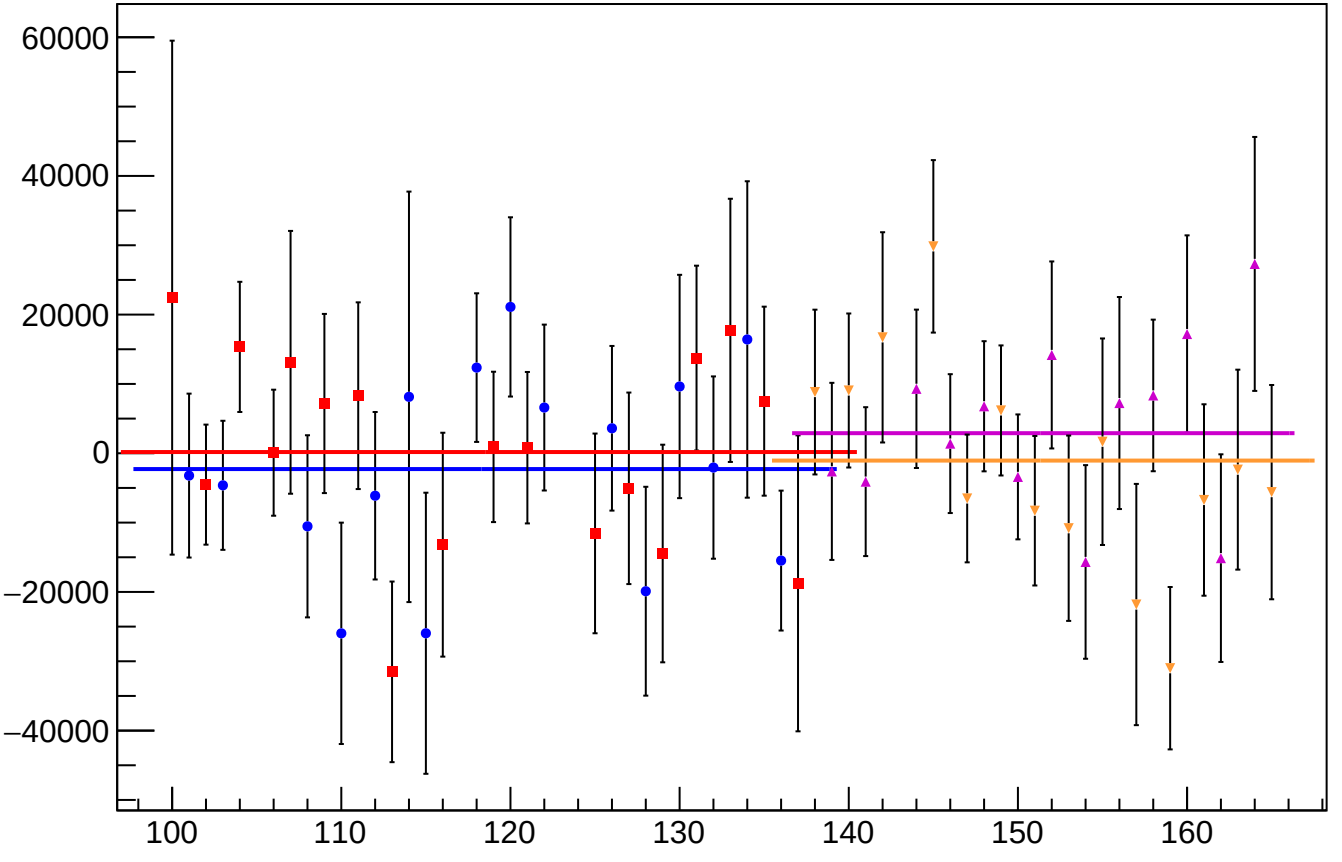
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2320.202+/-0.386 χ^2/NDF:268533.2/28

Out: 2323.555+/-0.388 χ^2/NDF:269265.0/31

All: 2321.873+/-0.274 χ^2/NDF: 537835.8/60

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -1054.268+/-3284.408 χ^2/NDF:19.3/13

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2897.367+/-3301.022 χ^2/NDF:8.6/12

Left: 911.580+/-2328.279 χ^2/NDF: 28.6/26

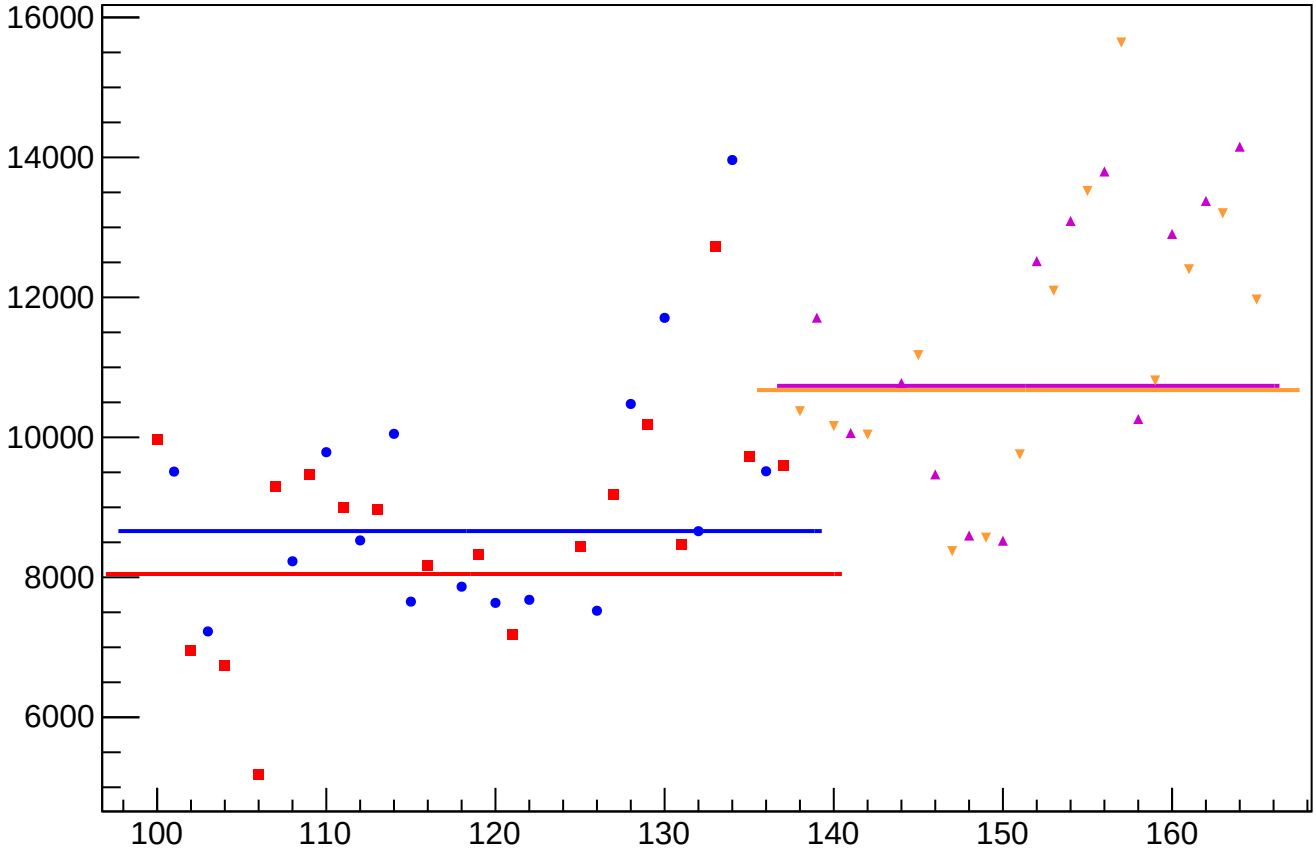
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: 286.418+/-2323.754 χ^2/NDF:24.4/28

Out: -390.170+/-2229.171 χ^2/NDF:35.0/31

All: -65.925+/-1608.660 χ^2/NDF: 59.4/60

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: 10674.916+/-2.322 χ^2/NDF:618207.4/13

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10735.822+/-2.334 χ^2/NDF:630318.4/12

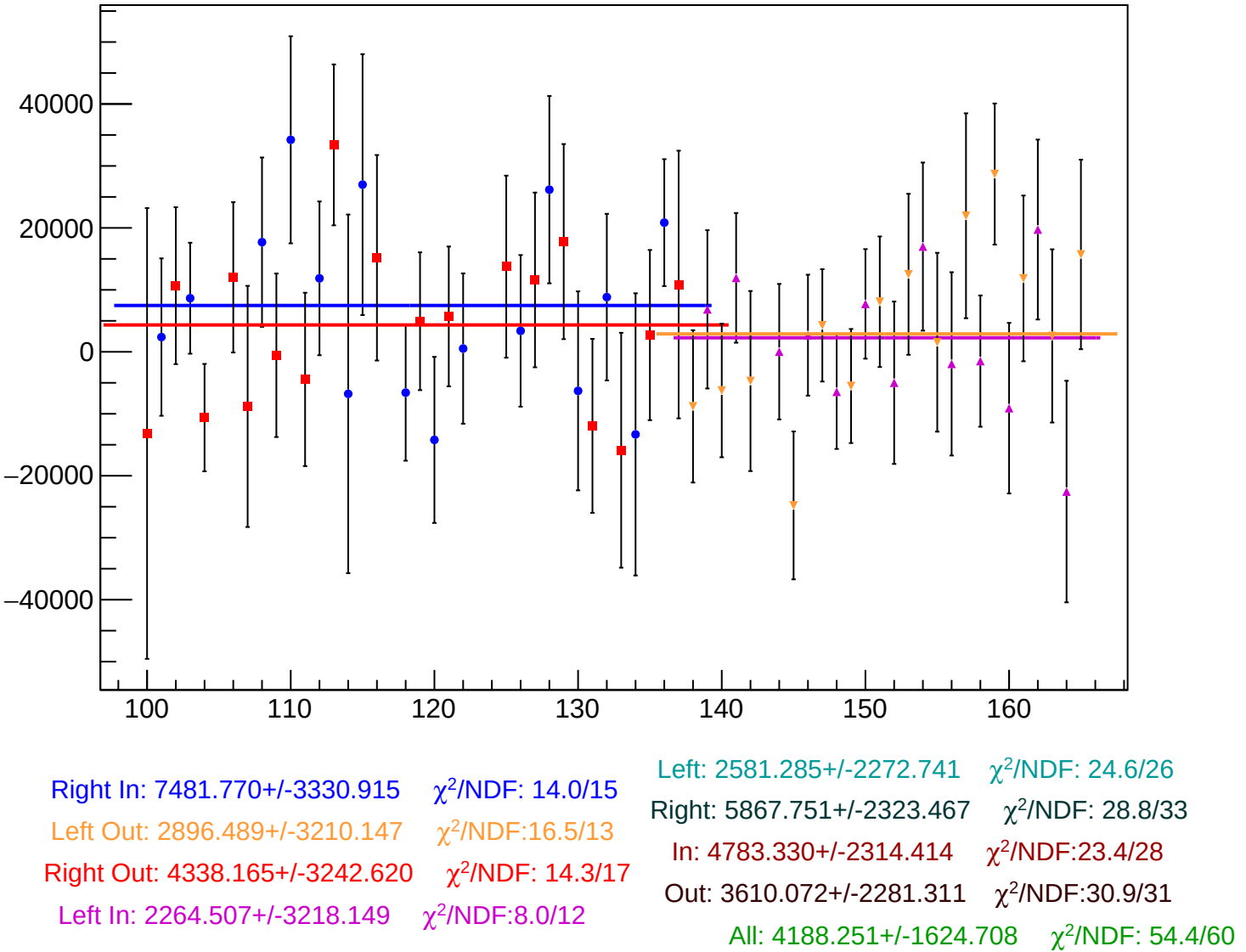
Left: 10705.216+/-1.646 χ^2/NDF: 1248868.0/26

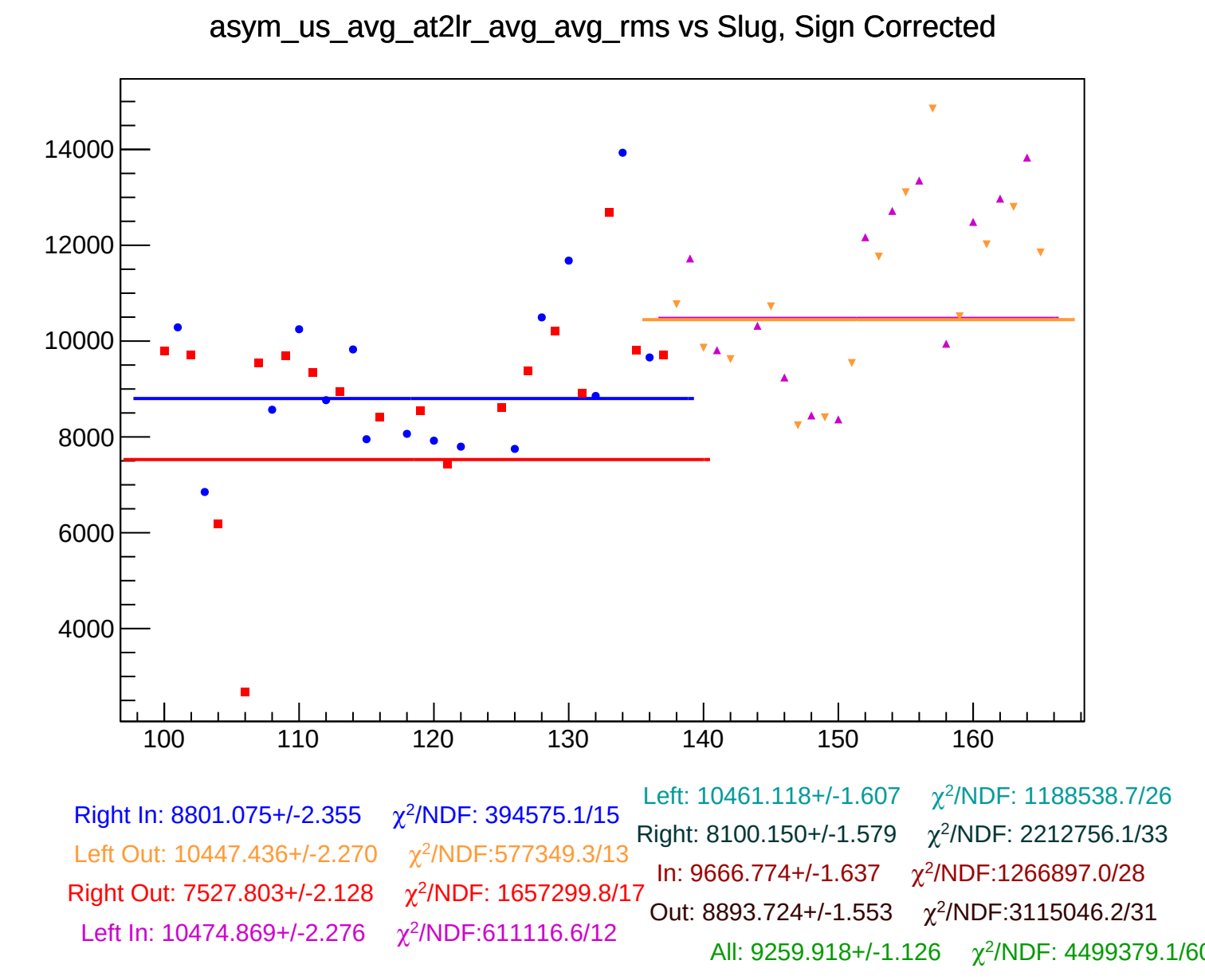
Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9689.023+/-1.643 χ^2/NDF:1386974.8/28

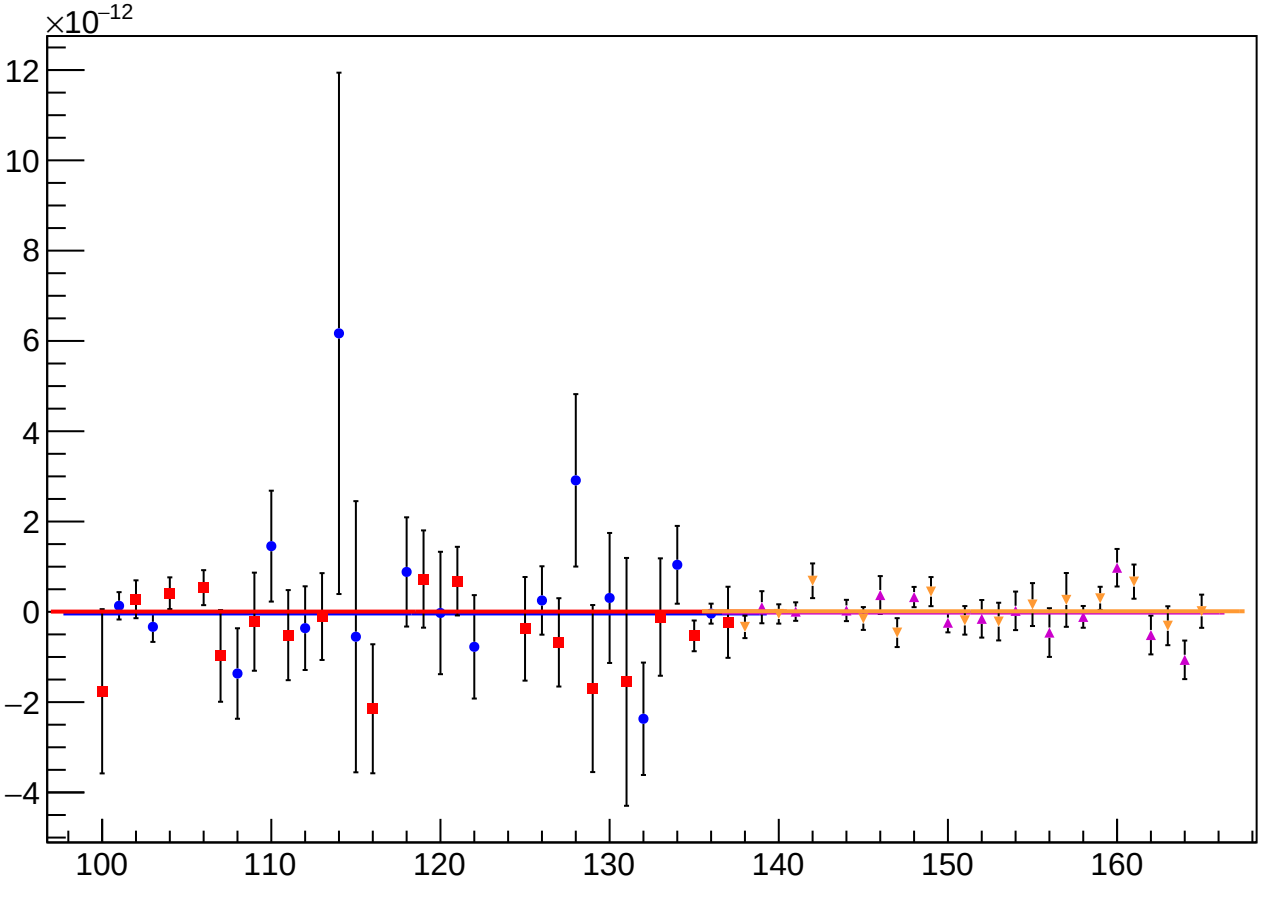
Out: 9257.792+/-1.576 χ^2/NDF:1867104.0/31

All: 9464.453+/-1.137 χ^2/NDF: 3289947.1/60


asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: 7481.770+/-3330.915 χ²/NDF: 14.0/15
Left Out: 2896.489+/-3210.147 χ²/NDF:16.5/13
Right Out: 4338.165+/-3242.620 χ²/NDF: 14.3/17
Left In: 2264.507+/-3218.149 χ²/NDF:8.0/12
Left: 2581.285+/-2272.741 χ²/NDF: 24.6/26
Right: 5867.751+/-2323.467 χ²/NDF: 28.8/33
In: 4783.330+/-2314.414 χ²/NDF:23.4/28
Out: 3610.072+/-2281.311 χ²/NDF:30.9/31
All: 4188.251+/-1624.708 χ²/NDF: 54.4/60


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 10447.436+/-2.270 χ²/NDF:577349.3/13
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 10474.869+/-2.276 χ²/NDF:611116.6/12
Left: 10461.118+/-1.607 χ²/NDF: 1188538.7/26
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9666.774+/-1.637 χ²/NDF:1266897.0/28
Out: 8893.724+/-1.553 χ²/NDF:3115046.2/31
All: 9259.918+/-1.126 χ²/NDF: 4499379.1/60

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:18.5/12

Left: -0.000+/-0.000 χ^2/NDF: 33.8/26

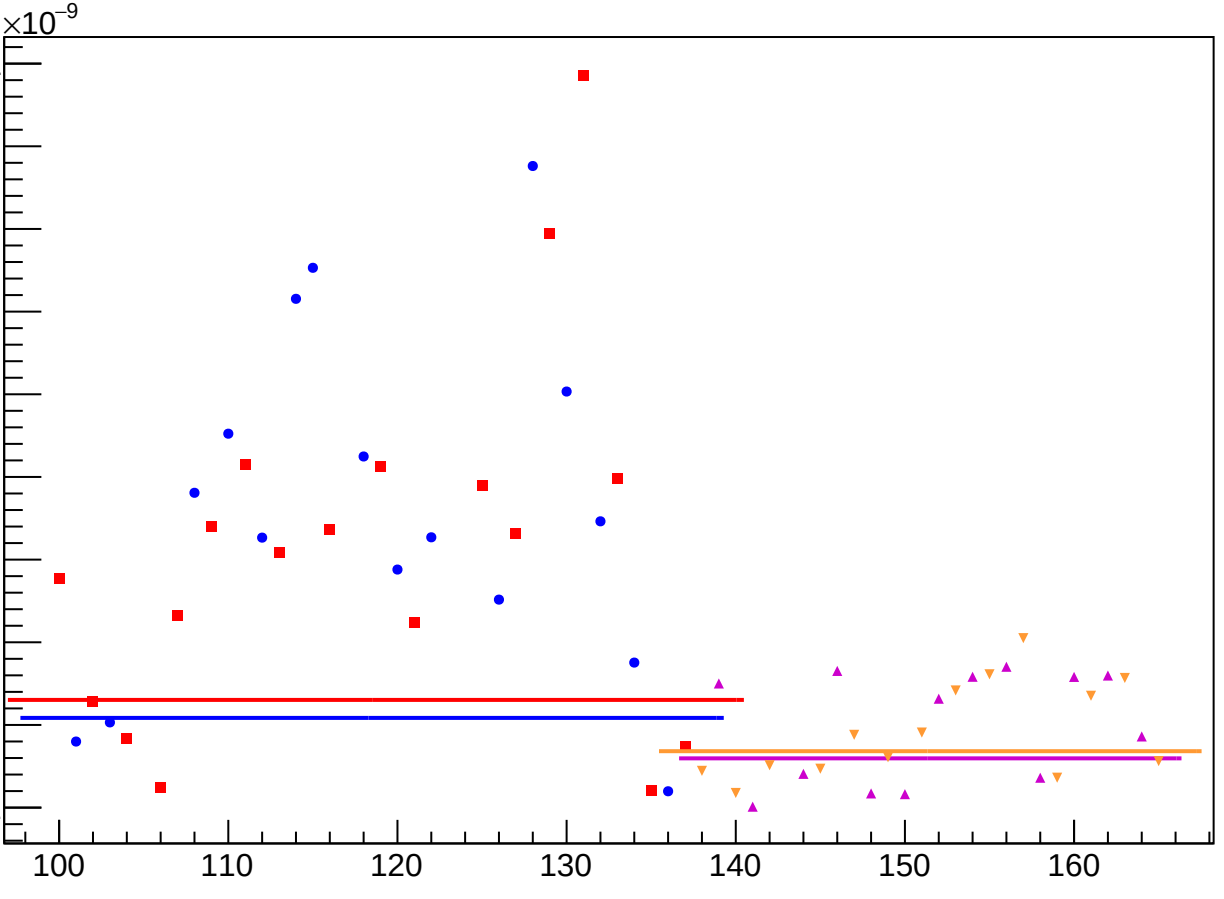
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:32.8/28

Out: 0.000+/-0.000 χ^2/NDF:29.0/31

All: -0.000+/-0.000 χ^2/NDF: 61.9/60

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:591027.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1084506.9/12

Left: 0.000+/-0.000 χ^2/NDF: 1686178.6/26

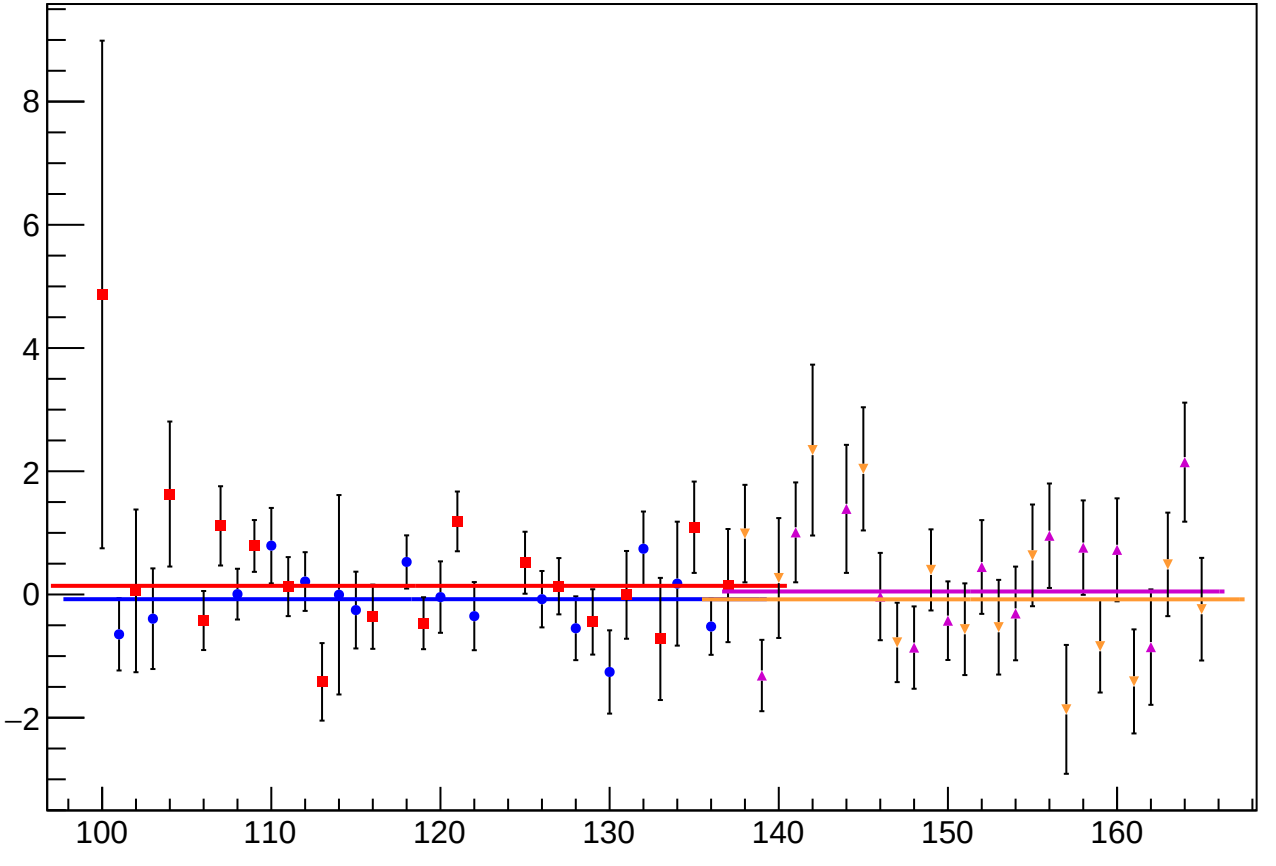
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2894581.7/28

Out: 0.000+/-0.000 χ^2/NDF:2395032.0/31

All: 0.000+/-0.000 χ^2/NDF: 5309722.8/60

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

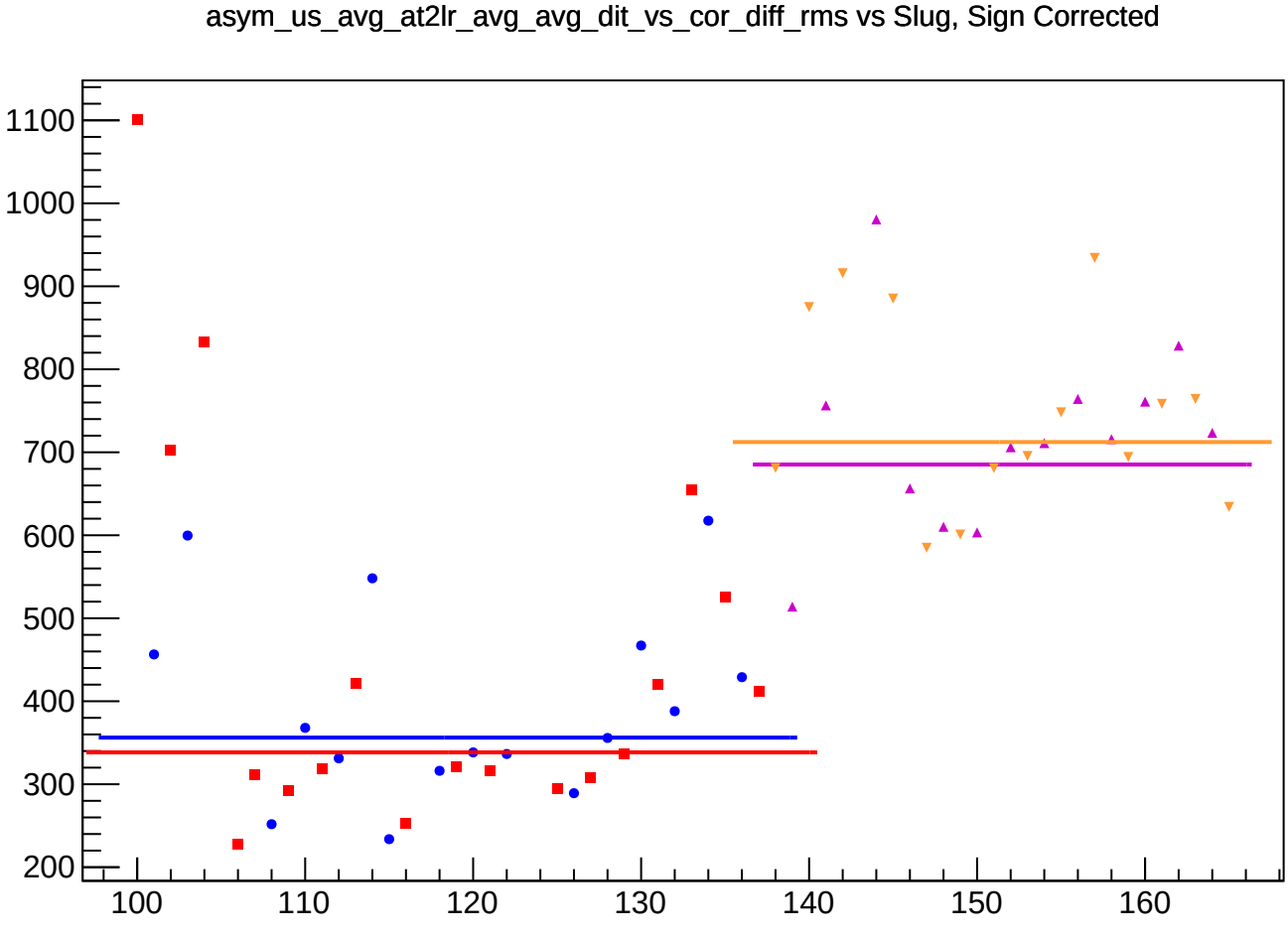
Left: -0.013+/-0.152 χ^2/NDF: 39.6/26

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

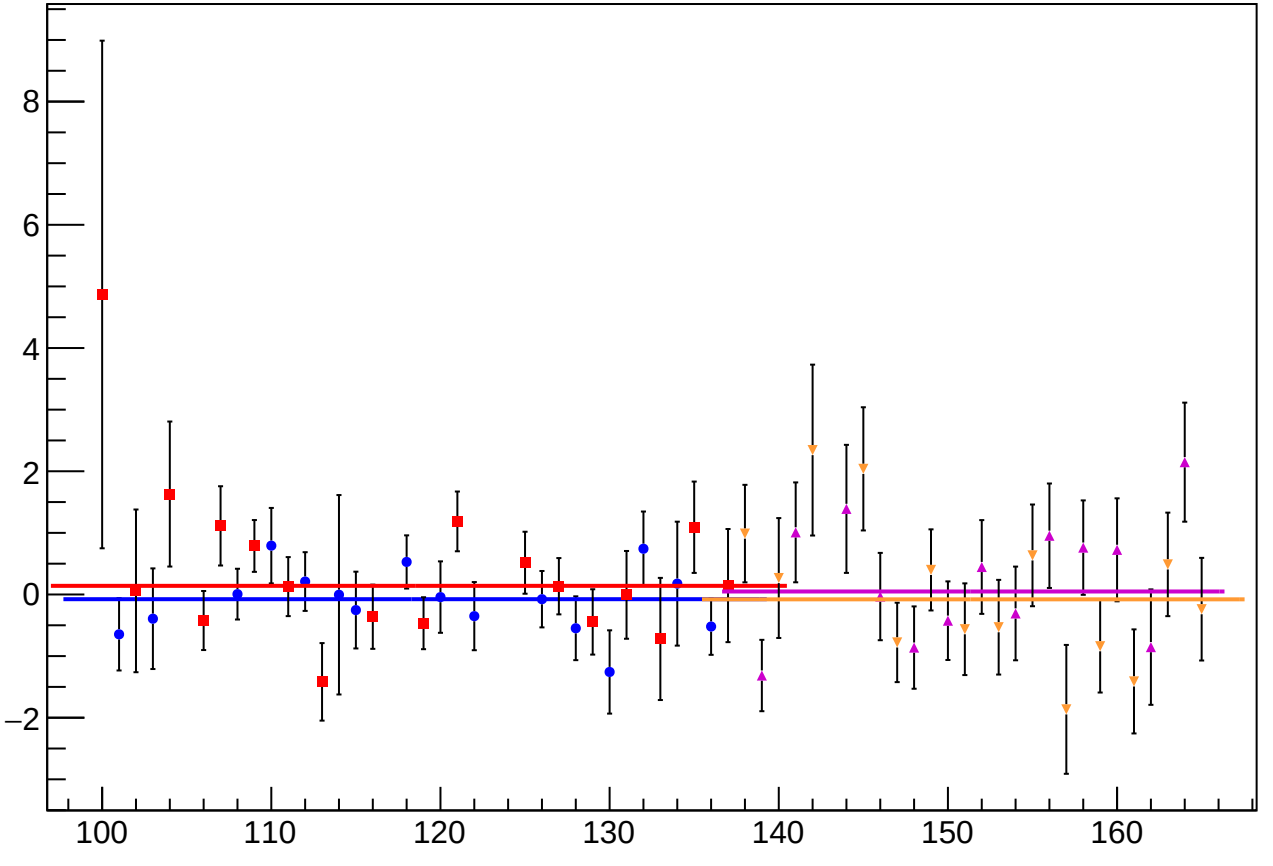
In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.020+/-0.083 χ^2/NDF: 80.4/60


asym_us_avg_at2lr_avg_avg_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
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 712.337+/-0.155 χ²/NDF:427944.9/13
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 685.271+/-0.150 χ²/NDF:503933.4/12
Left: 698.330+/-0.108 χ²/NDF: 947652.5/26
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 456.223+/-0.083 χ²/NDF:4652887.0/28
Out: 444.482+/-0.083 χ²/NDF:5798373.5/31
All: 450.355+/-0.058 χ²/NDF: 10461373.8/60

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

Left: -0.013+/-0.152 χ^2/NDF: 39.6/26

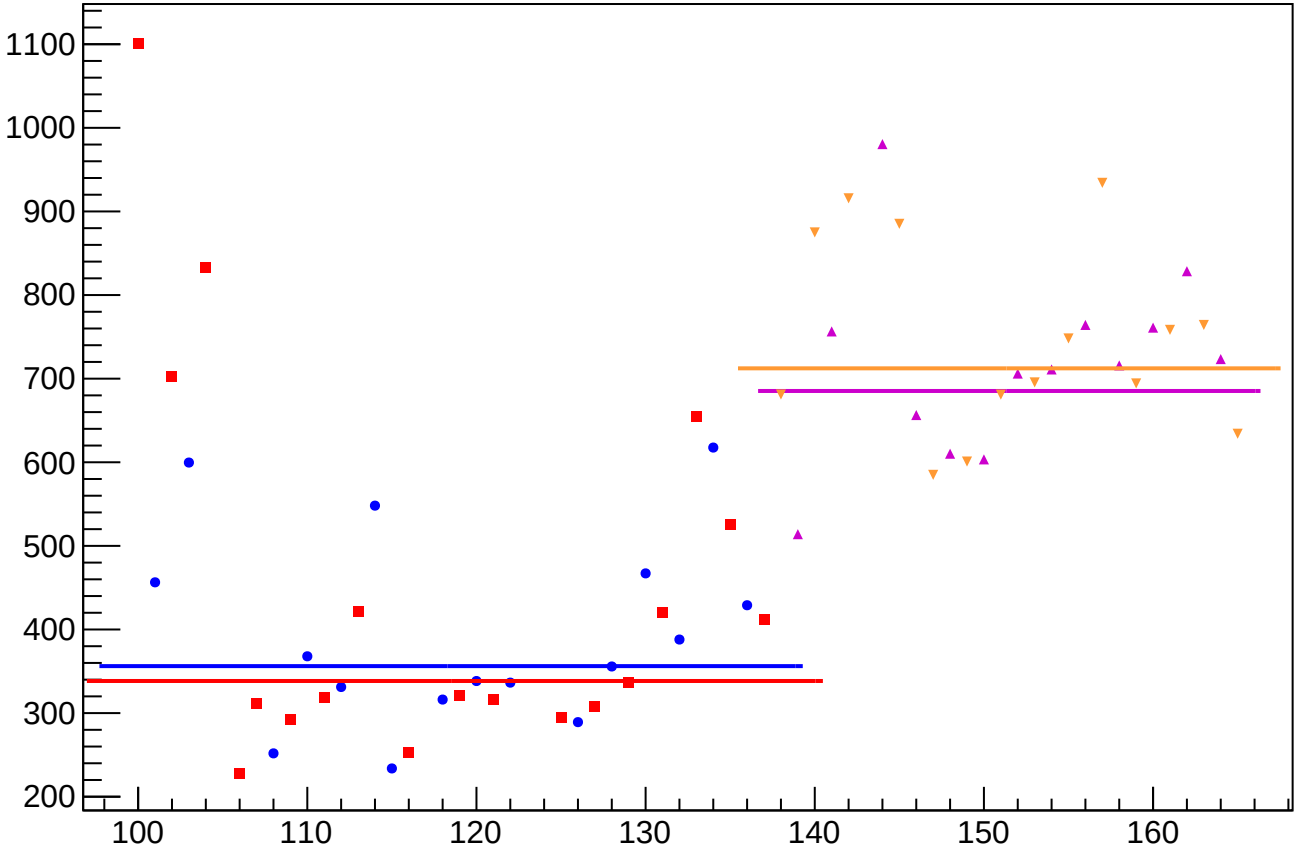
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.020+/-0.083 χ^2/NDF: 80.4/60

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.337+/-0.155 χ^2/NDF:427944.9/13

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 685.271+/-0.150 χ^2/NDF:503933.4/12

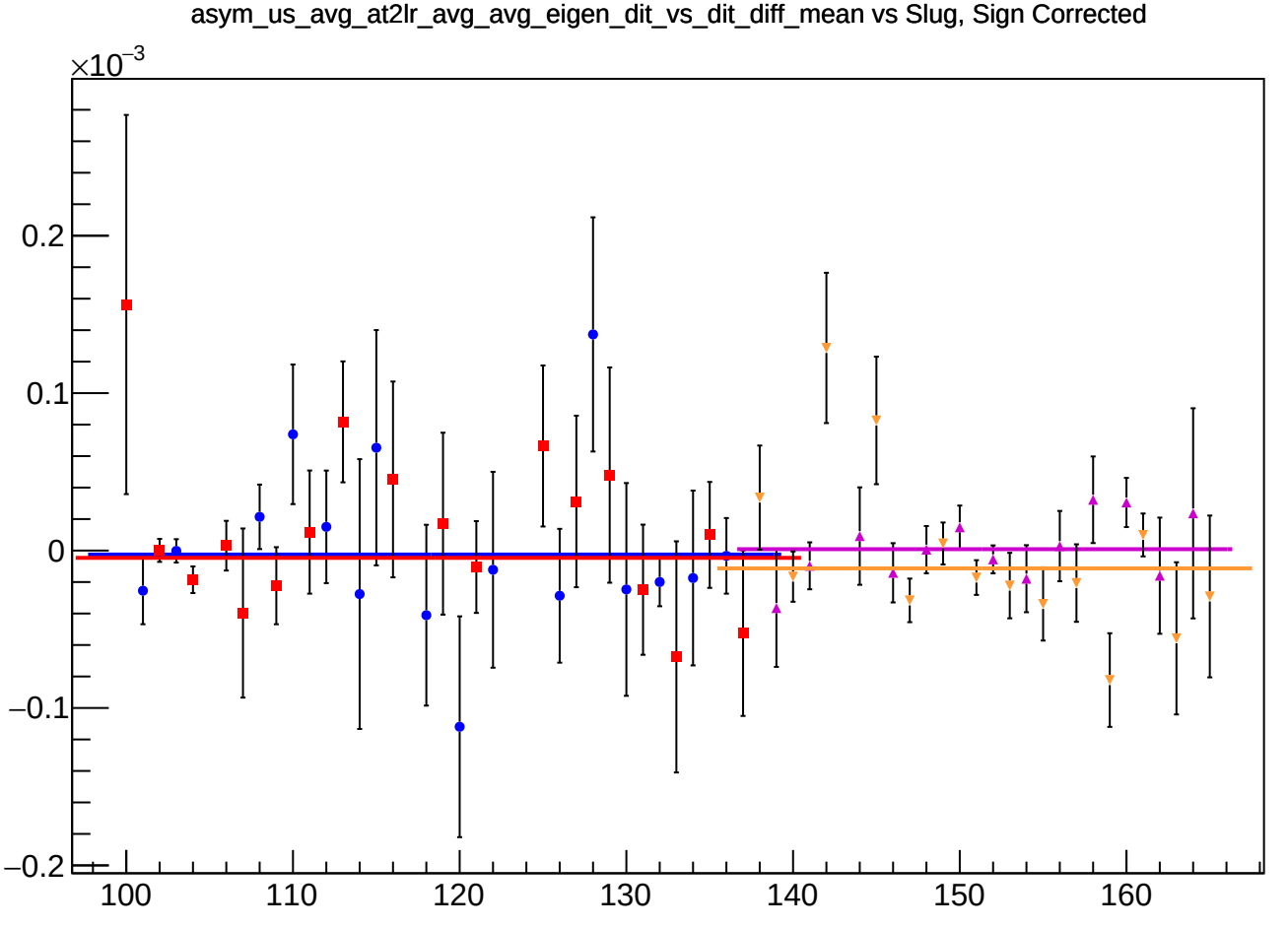
Left: 698.330+/-0.108 χ^2/NDF: 947652.5/26

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 456.223+/-0.083 χ^2/NDF:4652887.0/28

Out: 444.482+/-0.083 χ^2/NDF:5798373.5/31

All: 450.355+/-0.058 χ^2/NDF: 10461373.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/12

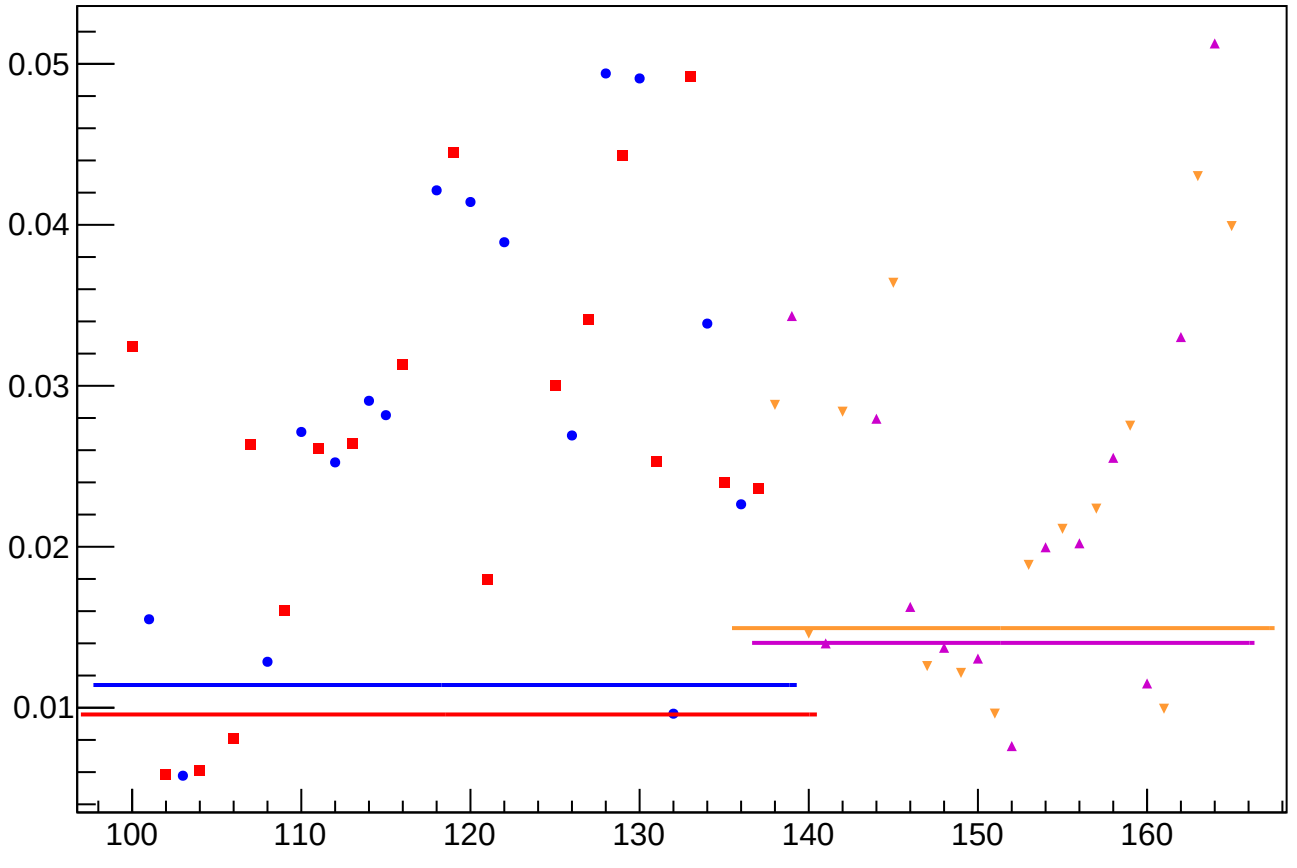
Left: -0.000+/-0.000 χ^2/NDF: 43.0/26

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:25.0/28

Out: -0.000+/-0.000 χ^2/NDF:48.3/31

All: -0.000+/-0.000 χ^2/NDF: 75.3/60



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:3851314.1/13

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:3942651.7/12

Left: 0.014+/-0.000 χ^2/NDF: 7827627.4/26

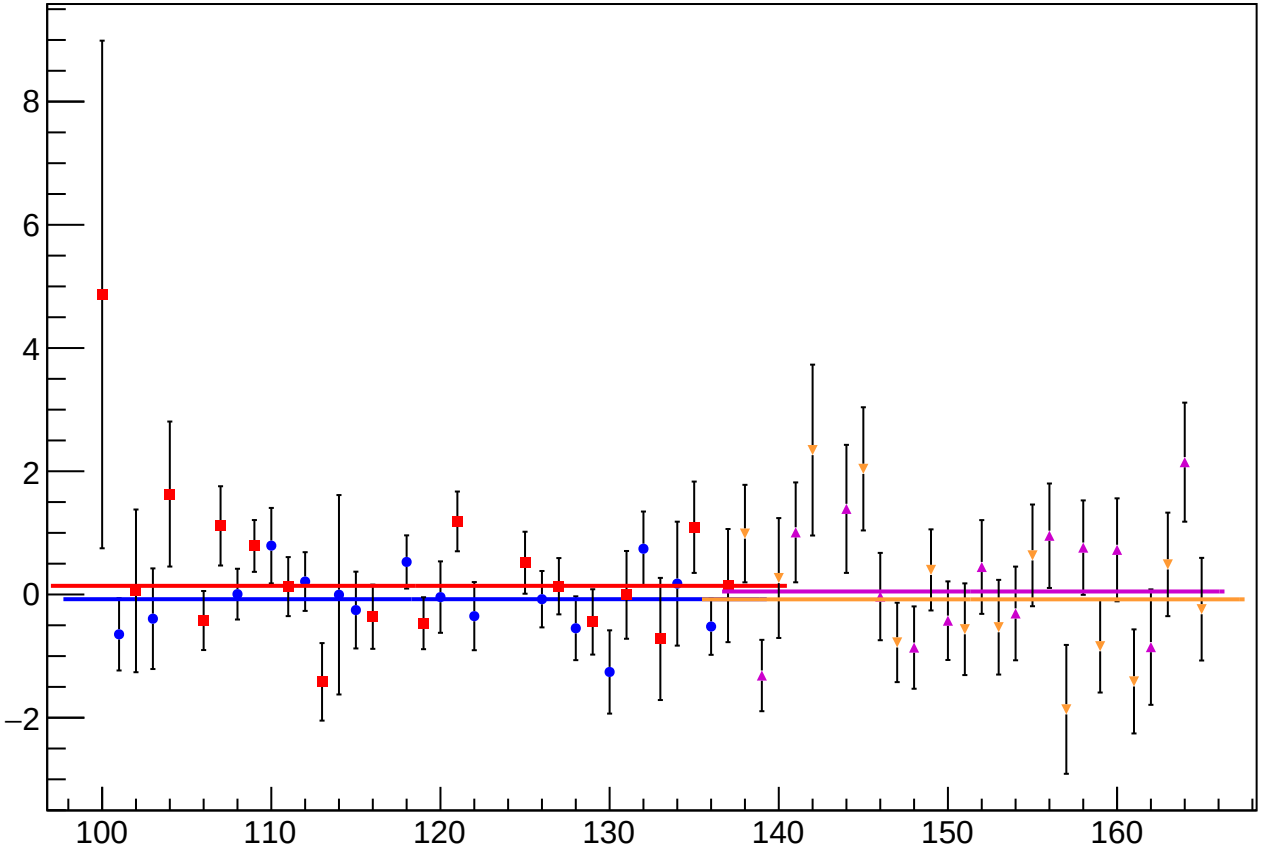
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:9693582.4/28

Out: 0.012+/-0.000 χ^2/NDF:10824836.2/31

All: 0.012+/-0.000 χ^2/NDF: 20574474.5/60

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

Left: -0.013+/-0.152 χ^2/NDF: 39.6/26

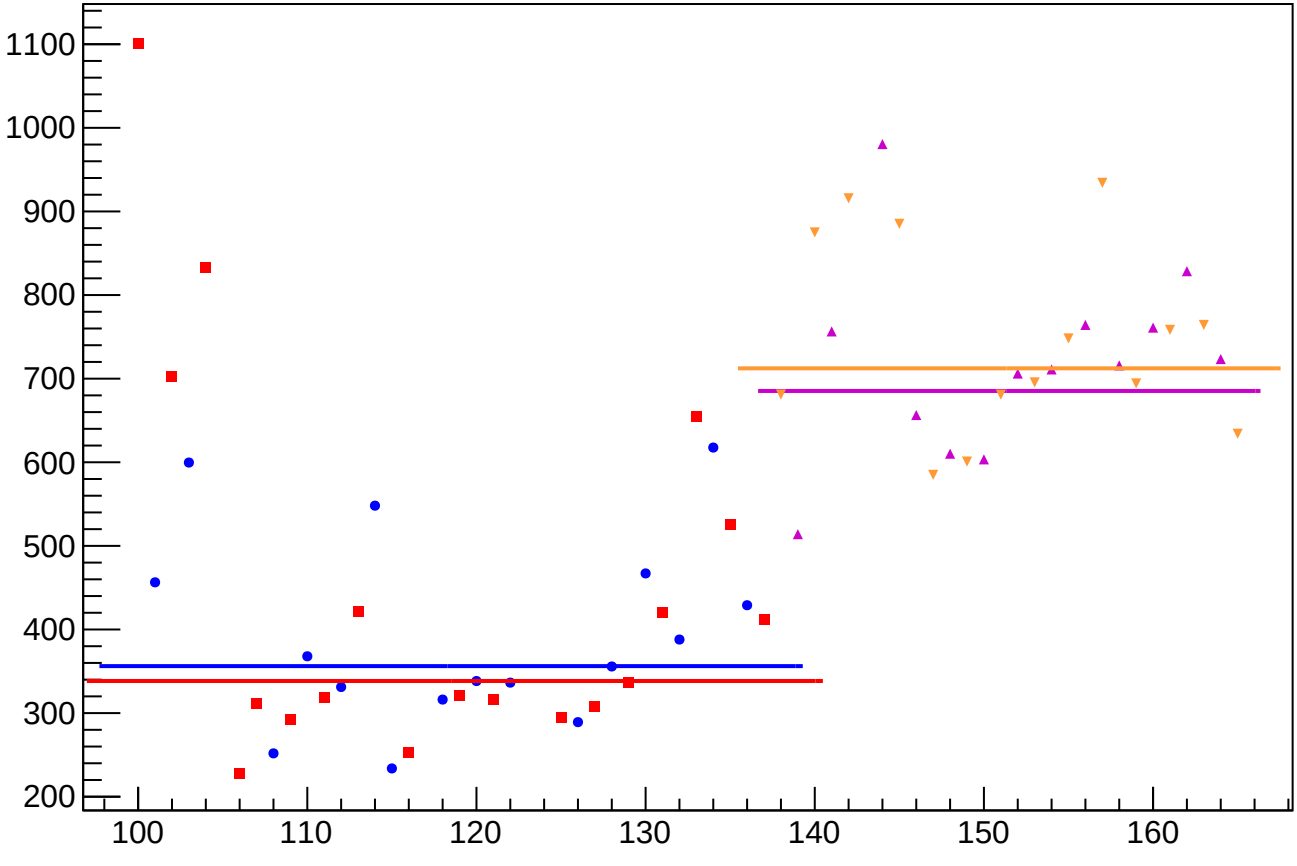
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.020+/-0.083 χ^2/NDF: 80.4/60

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.349+/-0.155 χ^2/NDF:427954.3/13

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

Left: 698.341+/-0.108 χ^2/NDF: 947658.7/26

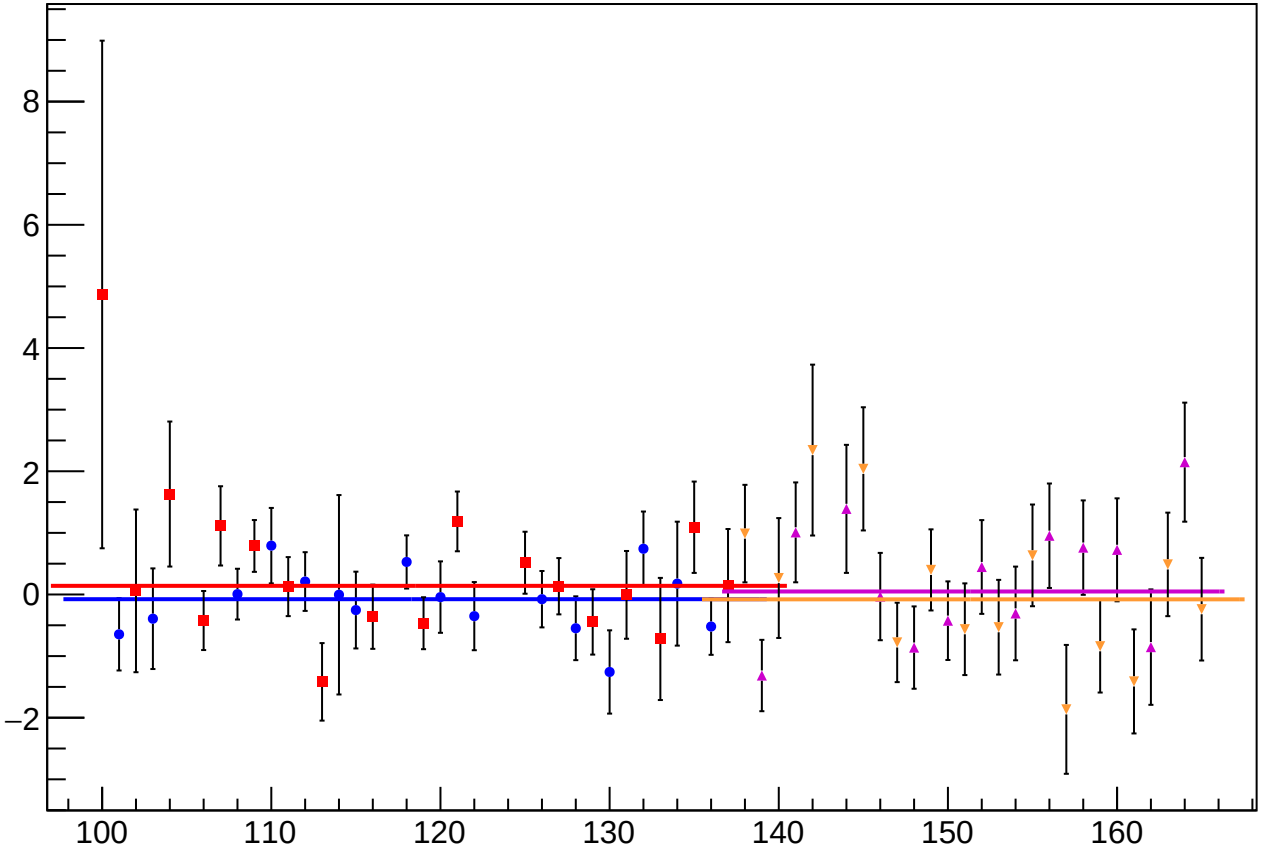
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 456.222+/-0.083 χ^2/NDF:4653042.3/28

Out: 444.481+/-0.083 χ^2/NDF:5798582.9/31

All: 450.354+/-0.058 χ^2/NDF: 10461740.6/60

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: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

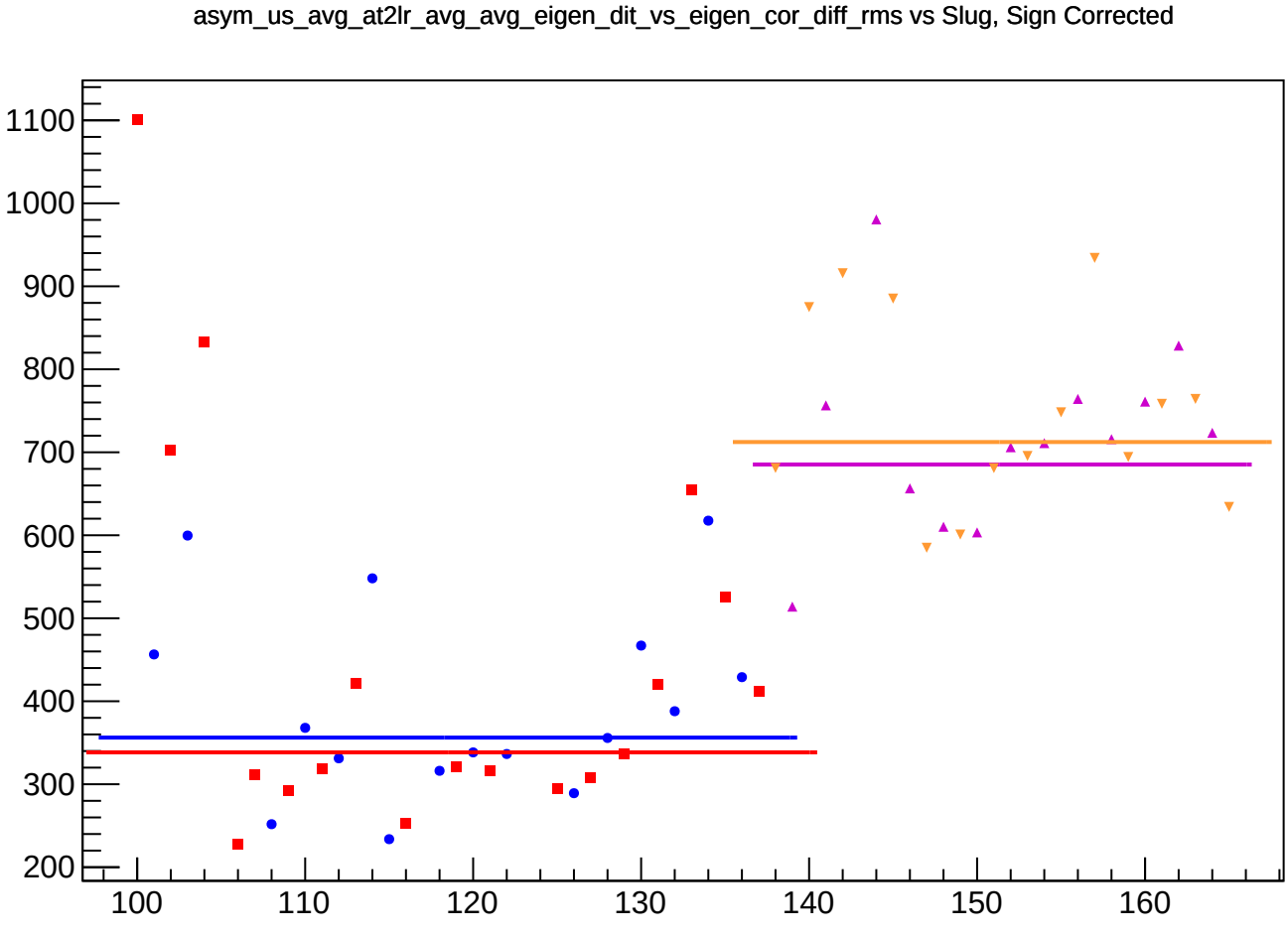
Left: -0.013+/-0.152 χ^2/NDF: 39.6/26

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.020+/-0.083 χ^2/NDF: 80.4/60



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.349+/-0.155 χ^2/NDF:427954.3/13

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

Left: 698.341+/-0.108 χ^2/NDF: 947658.7/26

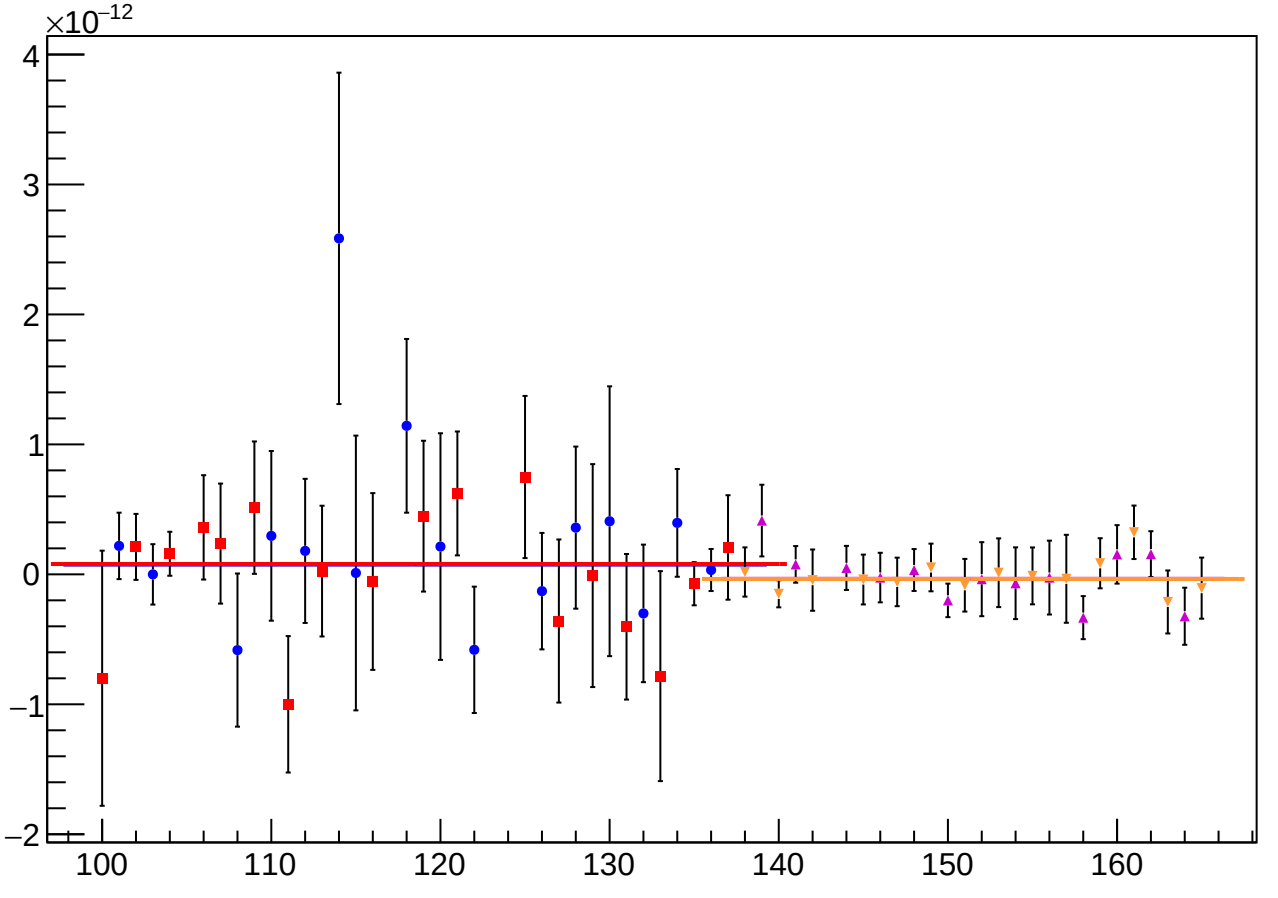
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 456.222+/-0.083 χ^2/NDF:4653042.3/28

Out: 444.481+/-0.083 χ^2/NDF:5798582.9/31

All: 450.354+/-0.058 χ^2/NDF: 10461740.6/60

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/12

Left: -0.000+/-0.000 χ^2/NDF: 17.9/26

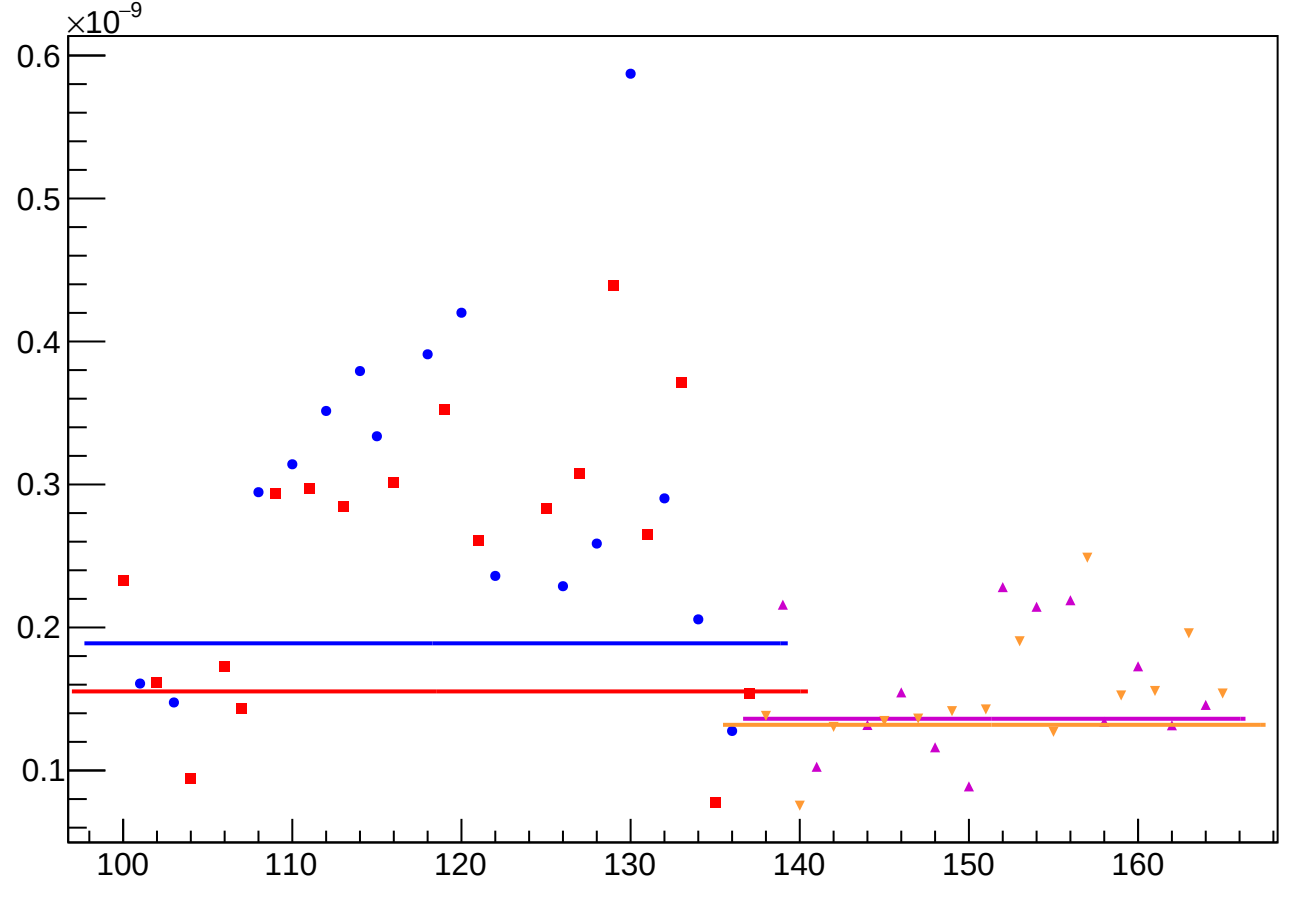
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:25.0/28

Out: -0.000+/-0.000 χ^2/NDF:20.1/31

All: -0.000+/-0.000 χ^2/NDF: 45.1/60

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:1150365.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1199077.9/12

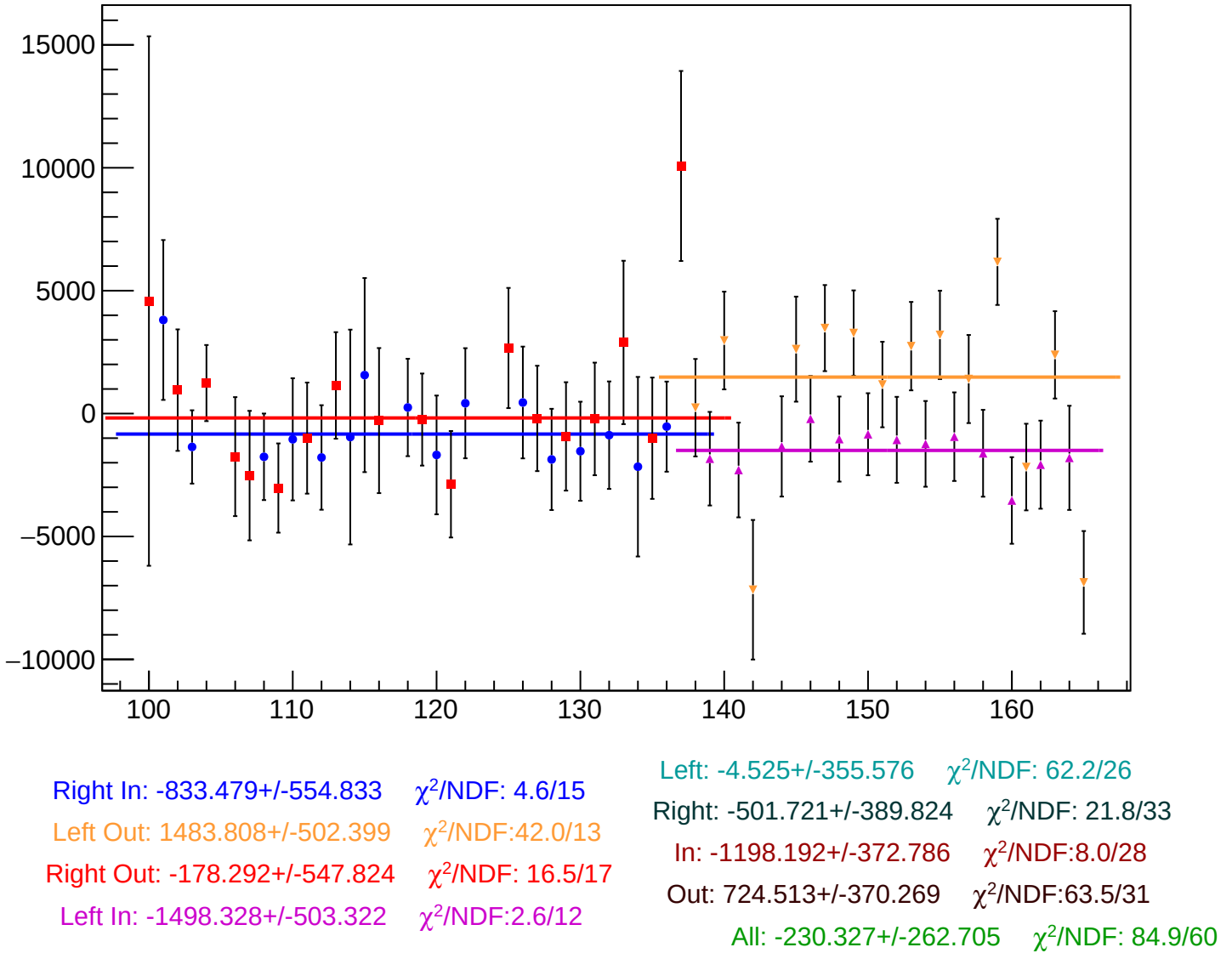
Left: 0.000+/-0.000 χ^2/NDF: 2356139.3/26

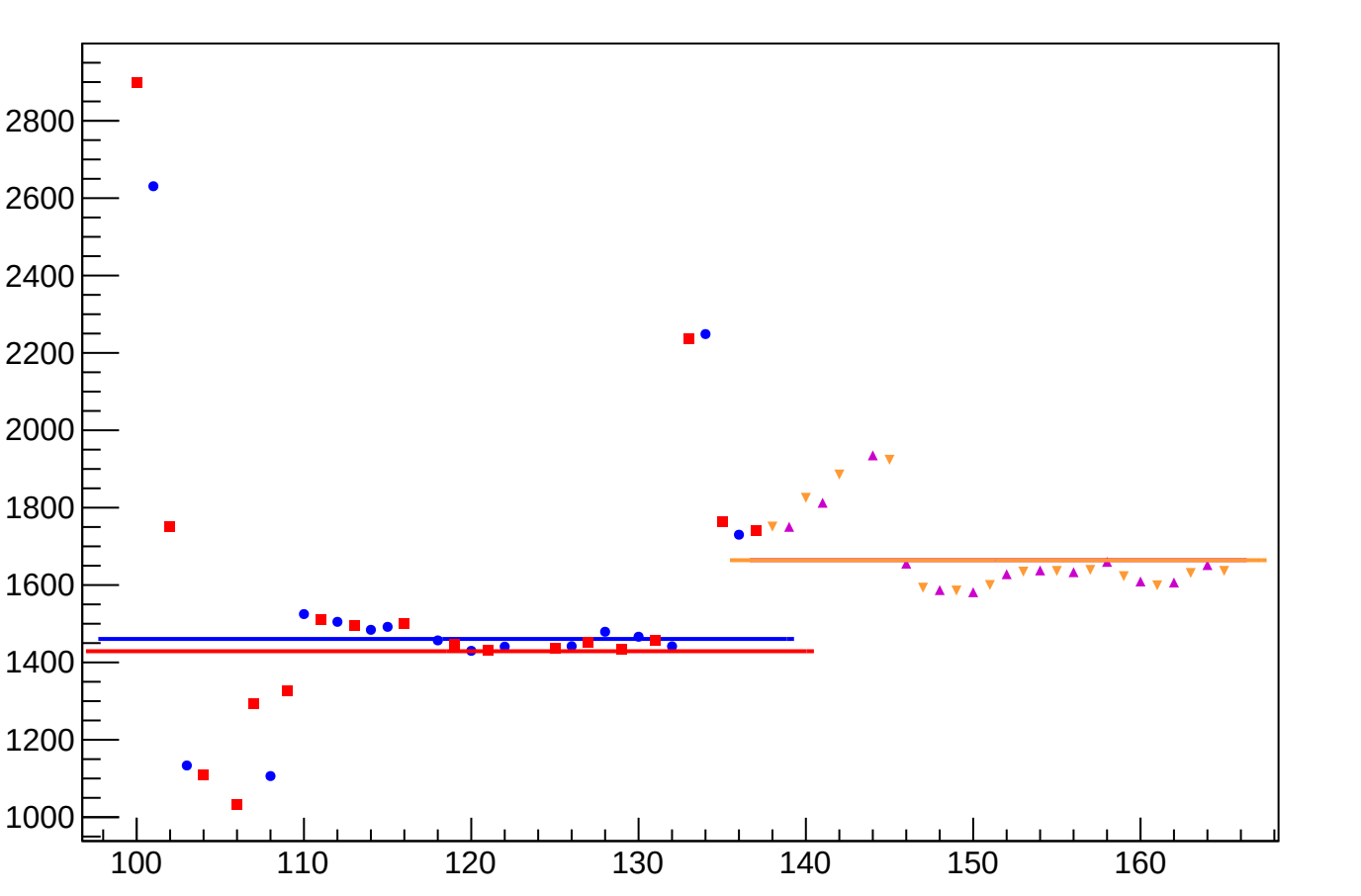
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3184361.7/28

Out: 0.000+/-0.000 χ^2/NDF:3460695.3/31

All: 0.000+/-0.000 χ^2/NDF: 6693477.8/60


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
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.808+/-502.399 χ²/NDF:42.0/13
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1498.328+/-503.322 χ²/NDF:2.6/12
Left: -4.525+/-355.576 χ²/NDF: 62.2/26
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1198.192+/-372.786 χ²/NDF:8.0/28
Out: 724.513+/-370.269 χ²/NDF:63.5/31
All: -230.327+/-262.705 χ²/NDF: 84.9/60



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

Left: 1664.302+/-0.251 χ^2/NDF: 141249.5/26

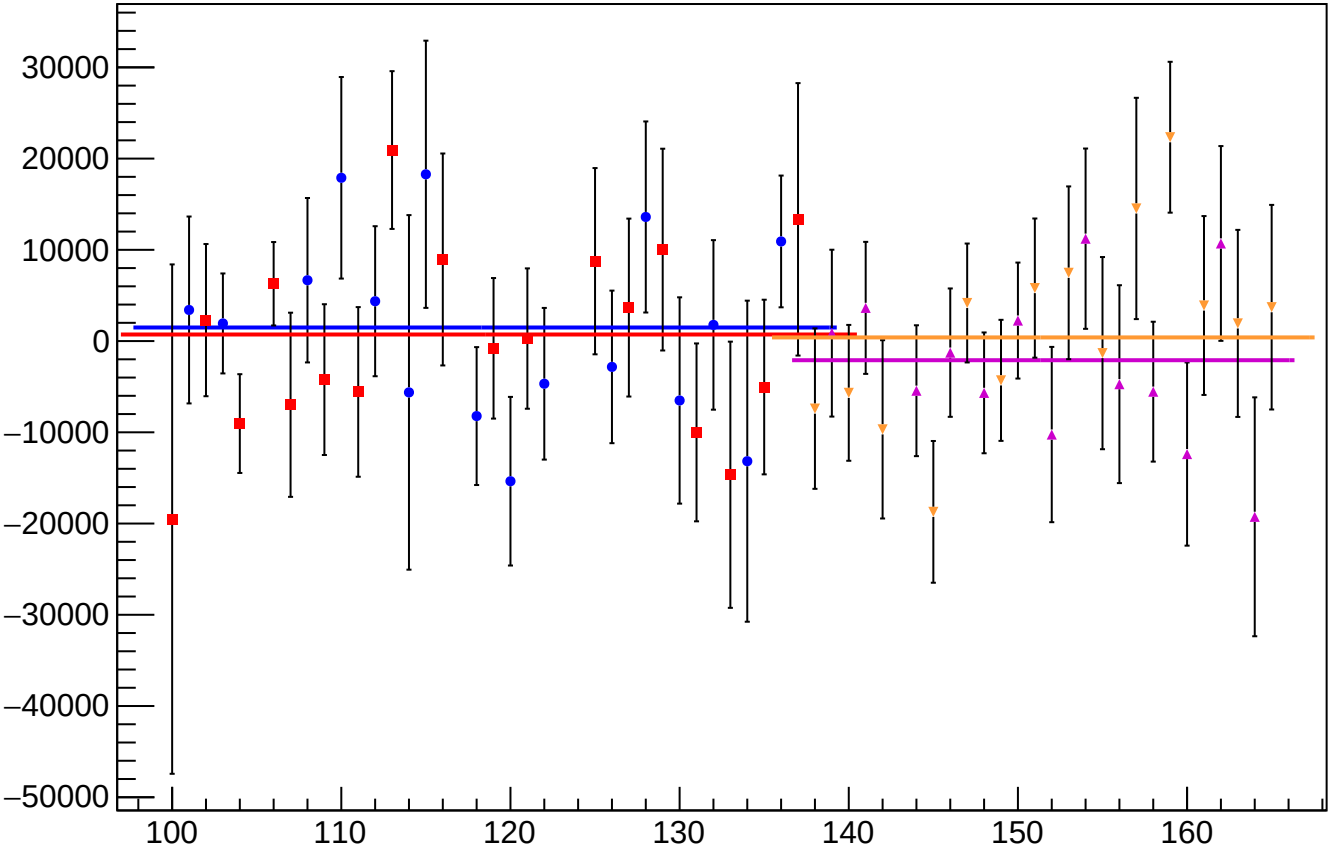
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1572.438+/-0.264 χ^2/NDF:789943.8/28

Out: 1555.848+/-0.261 χ^2/NDF:688227.6/31

All: 1564.059+/-0.185 χ^2/NDF: 1480172.1/60

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 399.389+/-2288.382 χ^2/NDF:19.1/13

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -2098.252+/-2297.723 χ^2/NDF:8.7/12

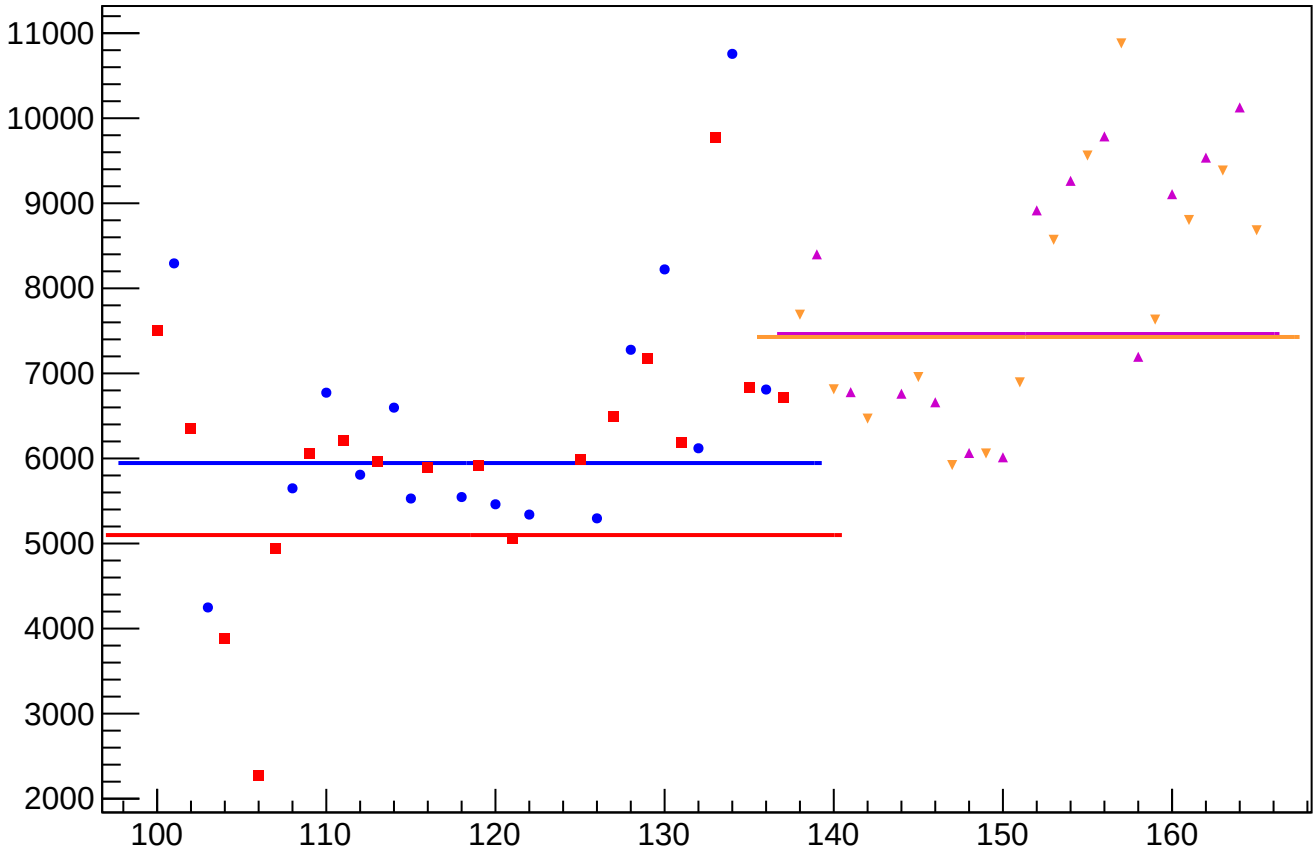
Left: -844.345+/-1621.423 χ^2/NDF: 28.5/26

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: -282.088+/-1614.134 χ^2/NDF:24.1/28

Out: 580.343+/-1510.830 χ^2/NDF:36.7/31

All: 177.607+/-1103.032 χ^2/NDF: 61.0/60



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7428.210+/-1.618 χ^2/NDF:655656.5/13

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7463.017+/-1.625 χ^2/NDF:695712.3/12

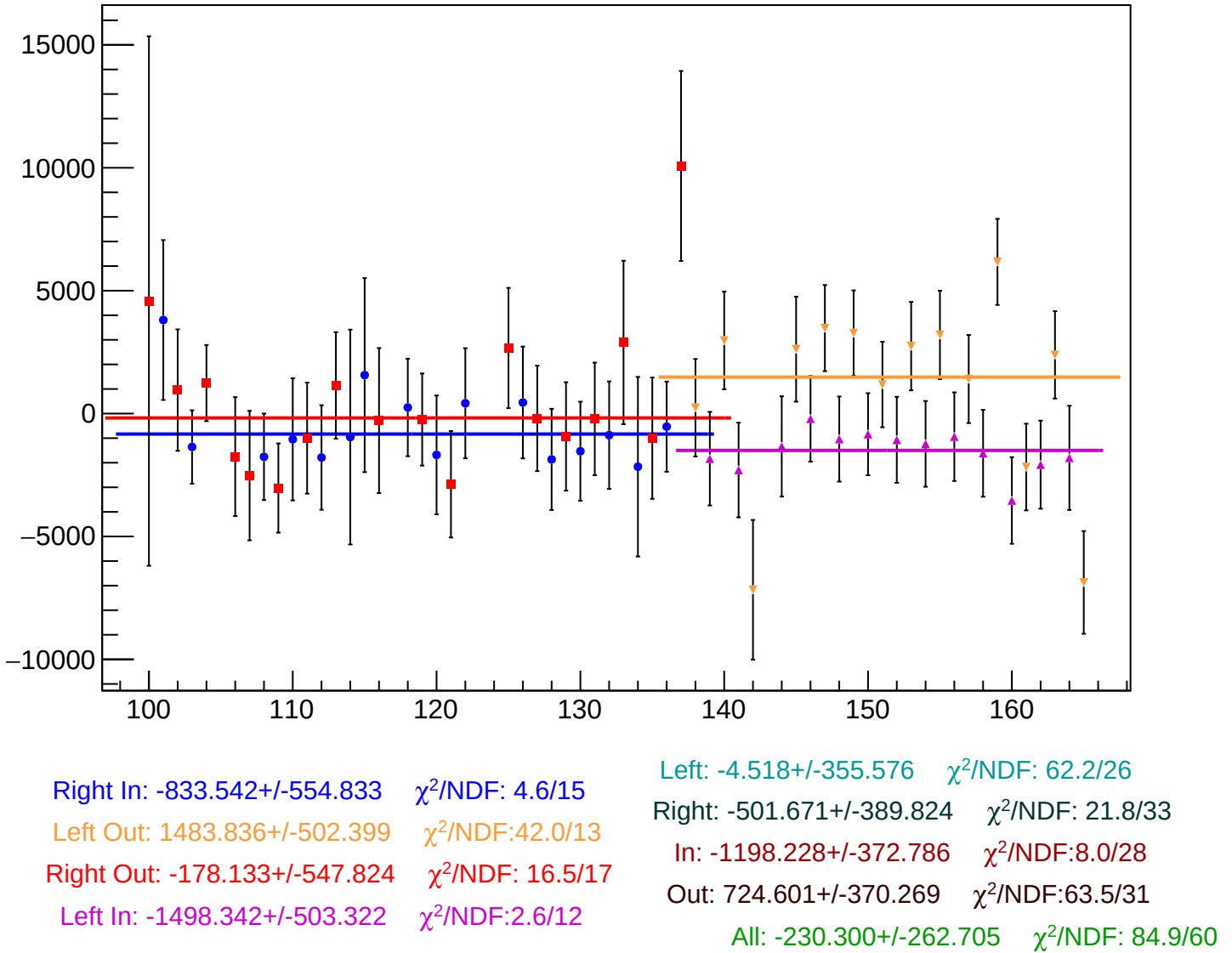
Left: 7445.543+/-1.147 χ^2/NDF: 1351599.2/26

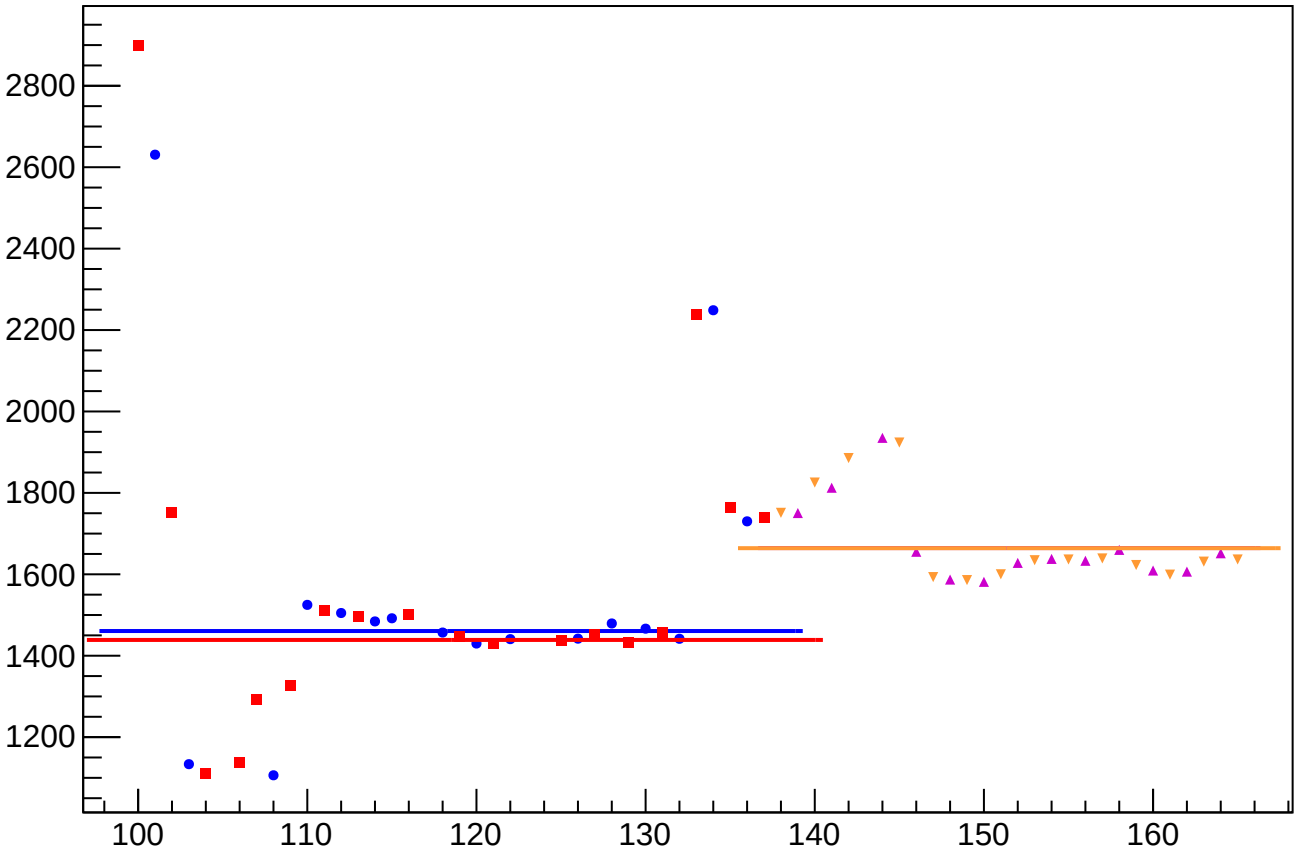
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6694.683+/-1.141 χ^2/NDF:1778366.0/28

Out: 6114.484+/-1.068 χ^2/NDF:3304490.8/31

All: 6385.425+/-0.780 χ^2/NDF: 5220593.3/60


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
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.836+/-502.399 χ²/NDF:42.0/13
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1498.342+/-503.322 χ²/NDF:2.6/12
Left: -4.518+/-355.576 χ²/NDF: 62.2/26
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1198.228+/-372.786 χ²/NDF:8.0/28
Out: 724.601+/-370.269 χ²/NDF:63.5/31
All: -230.300+/-262.705 χ²/NDF: 84.9/60



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

Left: 1664.302+/-0.251 χ^2/NDF: 141249.5/26

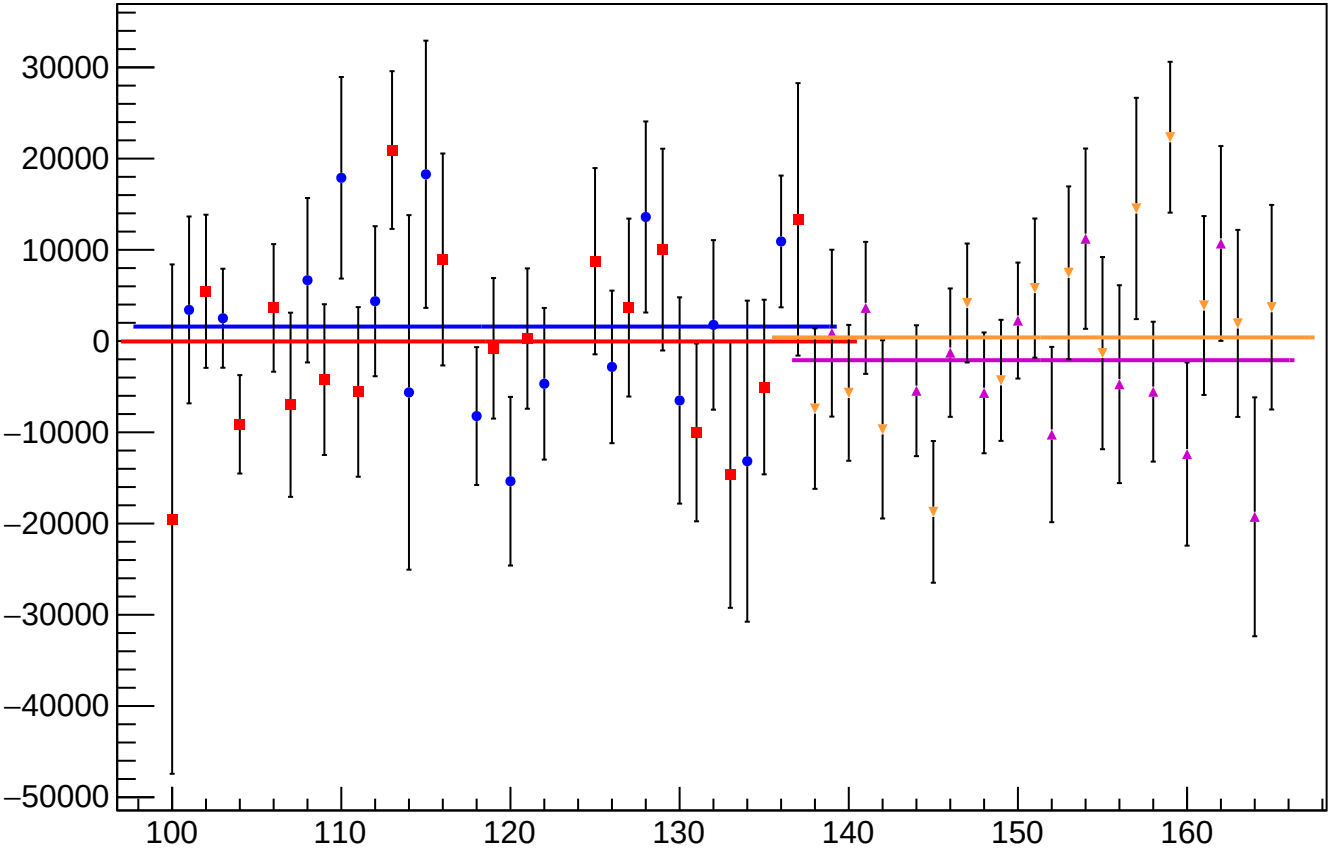
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1572.438+/-0.264 χ^2/NDF:789944.3/28

Out: 1560.945+/-0.262 χ^2/NDF:632791.2/31

All: 1566.647+/-0.186 χ^2/NDF: 1423693.4/60

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 399.362+/-2288.380 χ^2/NDF:19.1/13

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2098.308+/-2297.721 χ^2/NDF:8.7/12

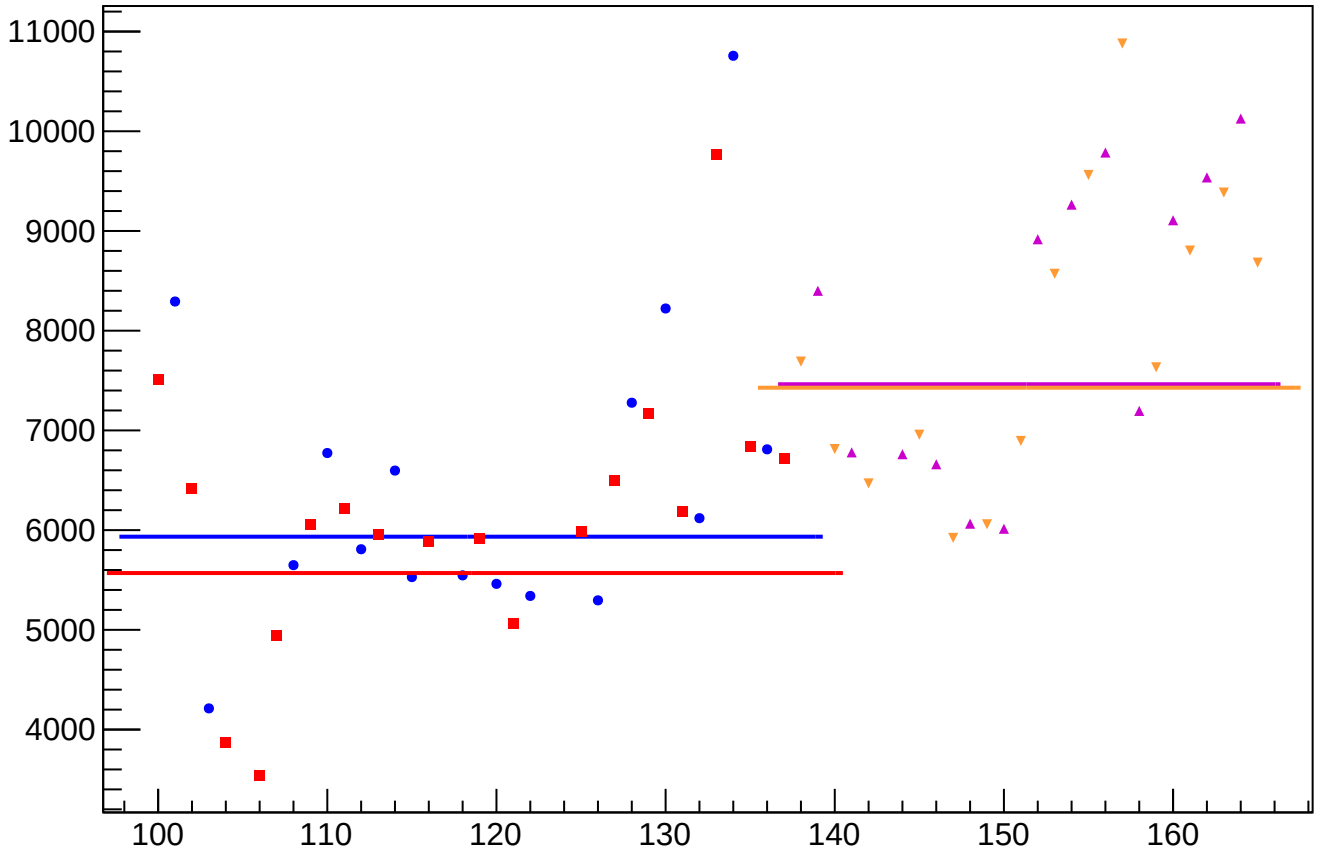
Left: -844.386+/-1621.422 χ^2/NDF: 28.5/26

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -227.785+/-1612.774 χ^2/NDF:24.2/28

Out: 163.919+/-1560.315 χ^2/NDF:35.6/31

All: -25.459+/-1121.397 χ^2/NDF: 59.9/60



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7428.204+/-1.618 χ^2/NDF:655654.6/13

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

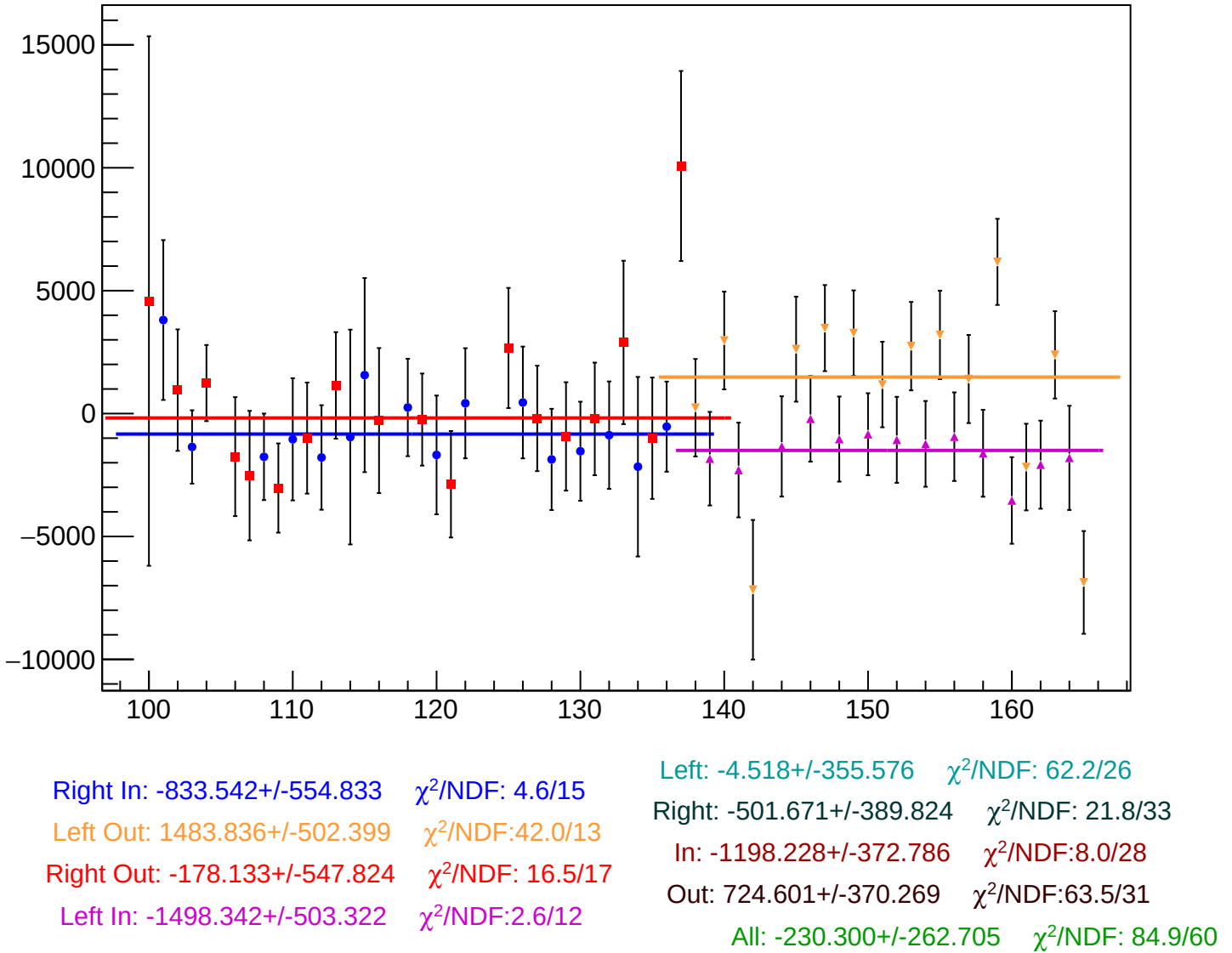
Left: 7445.537+/-1.147 χ^2/NDF: 1351599.9/26

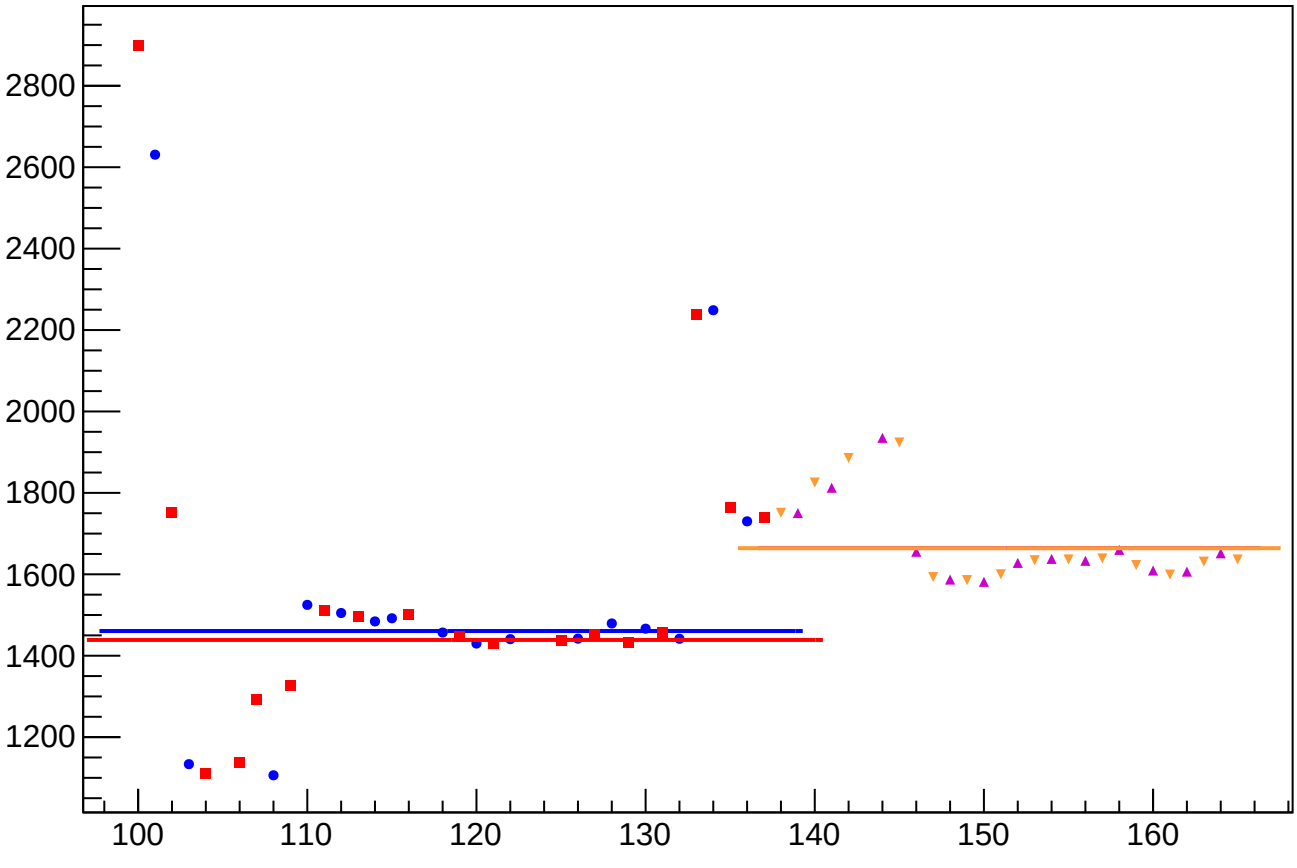
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6687.398+/-1.140 χ^2/NDF:1797990.6/28

Out: 6433.686+/-1.103 χ^2/NDF:2085650.2/31

All: 6556.349+/-0.793 χ^2/NDF: 3909206.4/60


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
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.836+/-502.399 χ²/NDF:42.0/13
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1498.342+/-503.322 χ²/NDF:2.6/12
Left: -4.518+/-355.576 χ²/NDF: 62.2/26
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1198.228+/-372.786 χ²/NDF:8.0/28
Out: 724.601+/-370.269 χ²/NDF:63.5/31
All: -230.300+/-262.705 χ²/NDF: 84.9/60



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

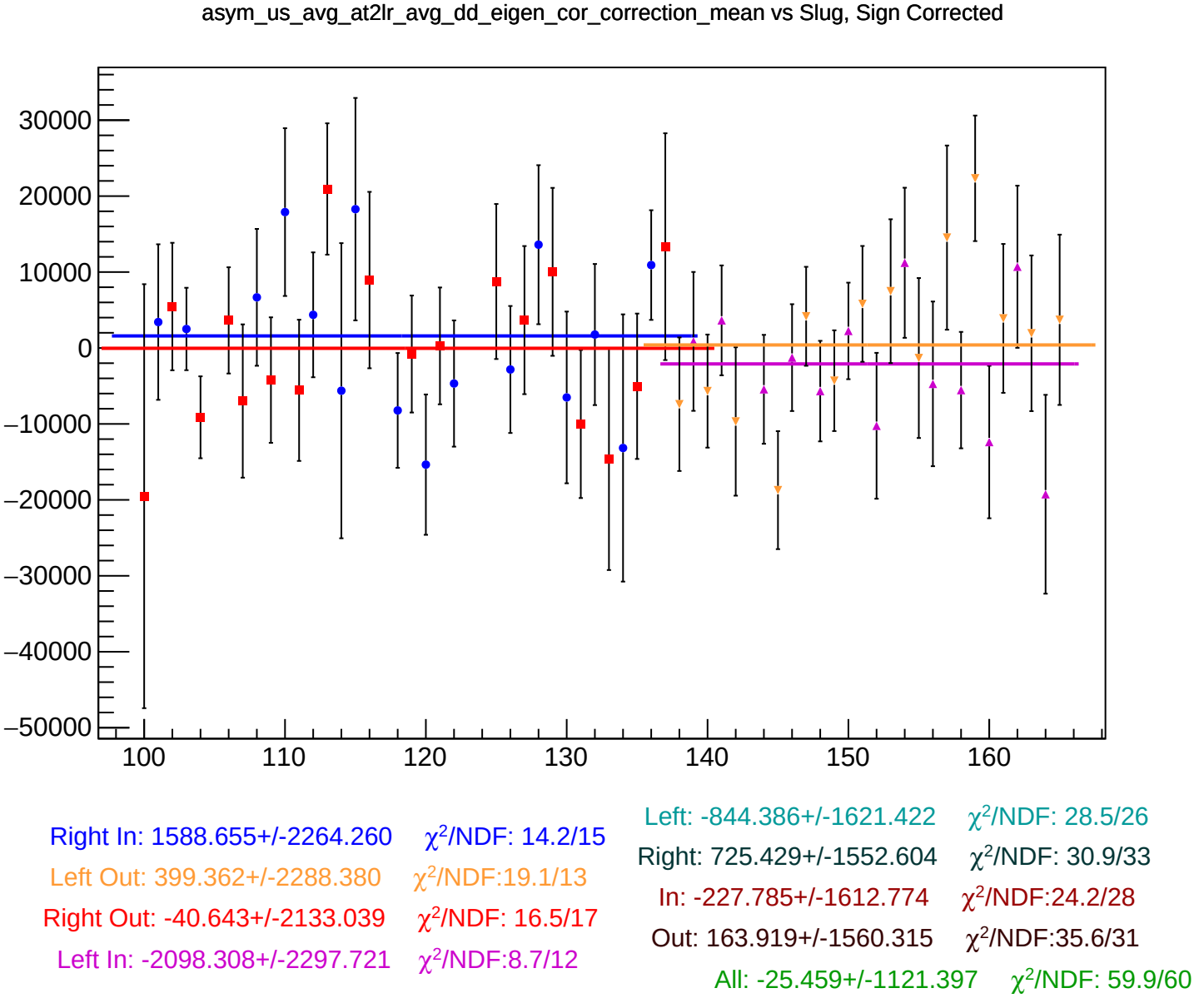
Left: 1664.302+/-0.251 χ^2/NDF: 141249.5/26

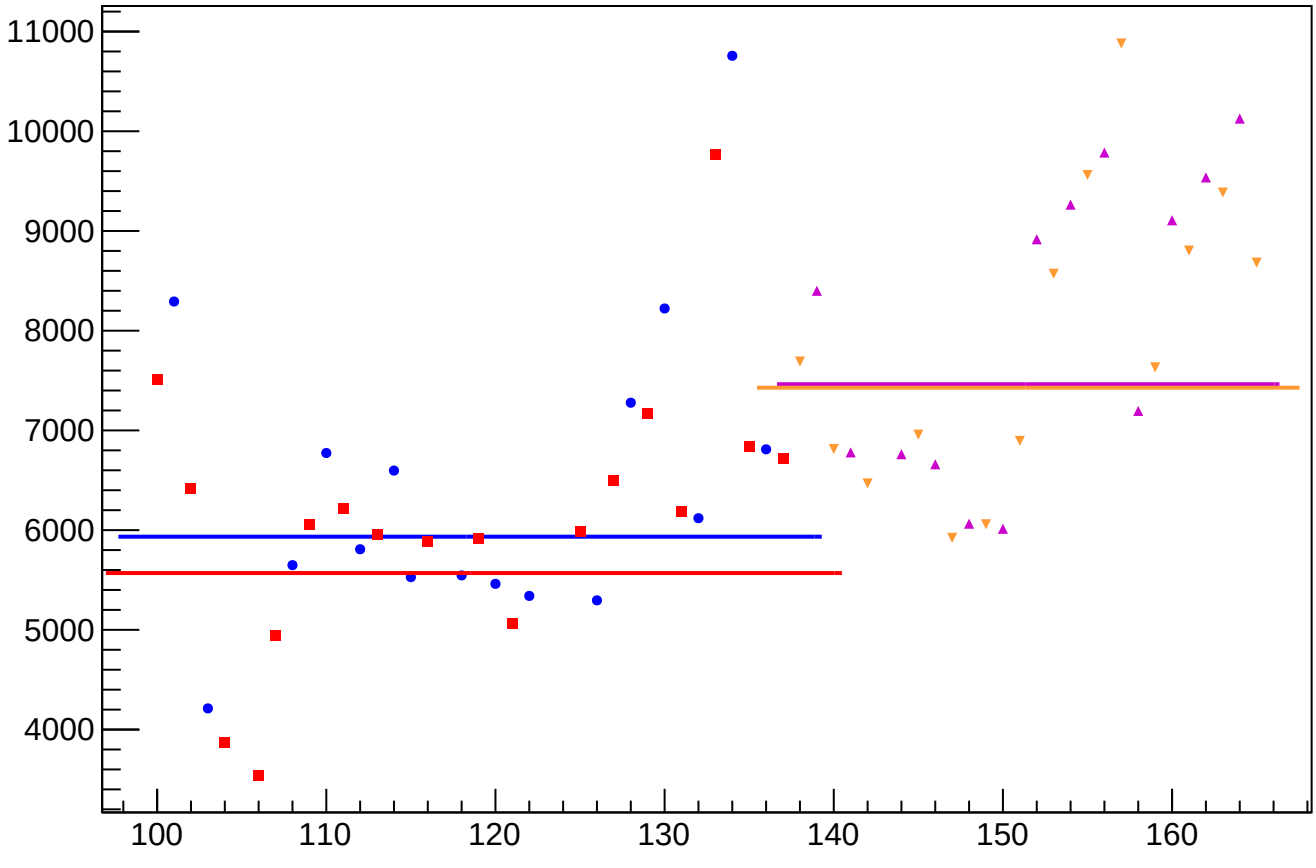
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1572.438+/-0.264 χ^2/NDF:789944.3/28

Out: 1560.945+/-0.262 χ^2/NDF:632791.2/31

All: 1566.647+/-0.186 χ^2/NDF: 1423693.4/60


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 399.362+/-2288.380 χ²/NDF:19.1/13
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2098.308+/-2297.721 χ²/NDF:8.7/12
Left: -844.386+/-1621.422 χ²/NDF: 28.5/26
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -227.785+/-1612.774 χ²/NDF:24.2/28
Out: 163.919+/-1560.315 χ²/NDF:35.6/31
All: -25.459+/-1121.397 χ²/NDF: 59.9/60



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7428.204+/-1.618 χ^2/NDF:655654.6/13

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

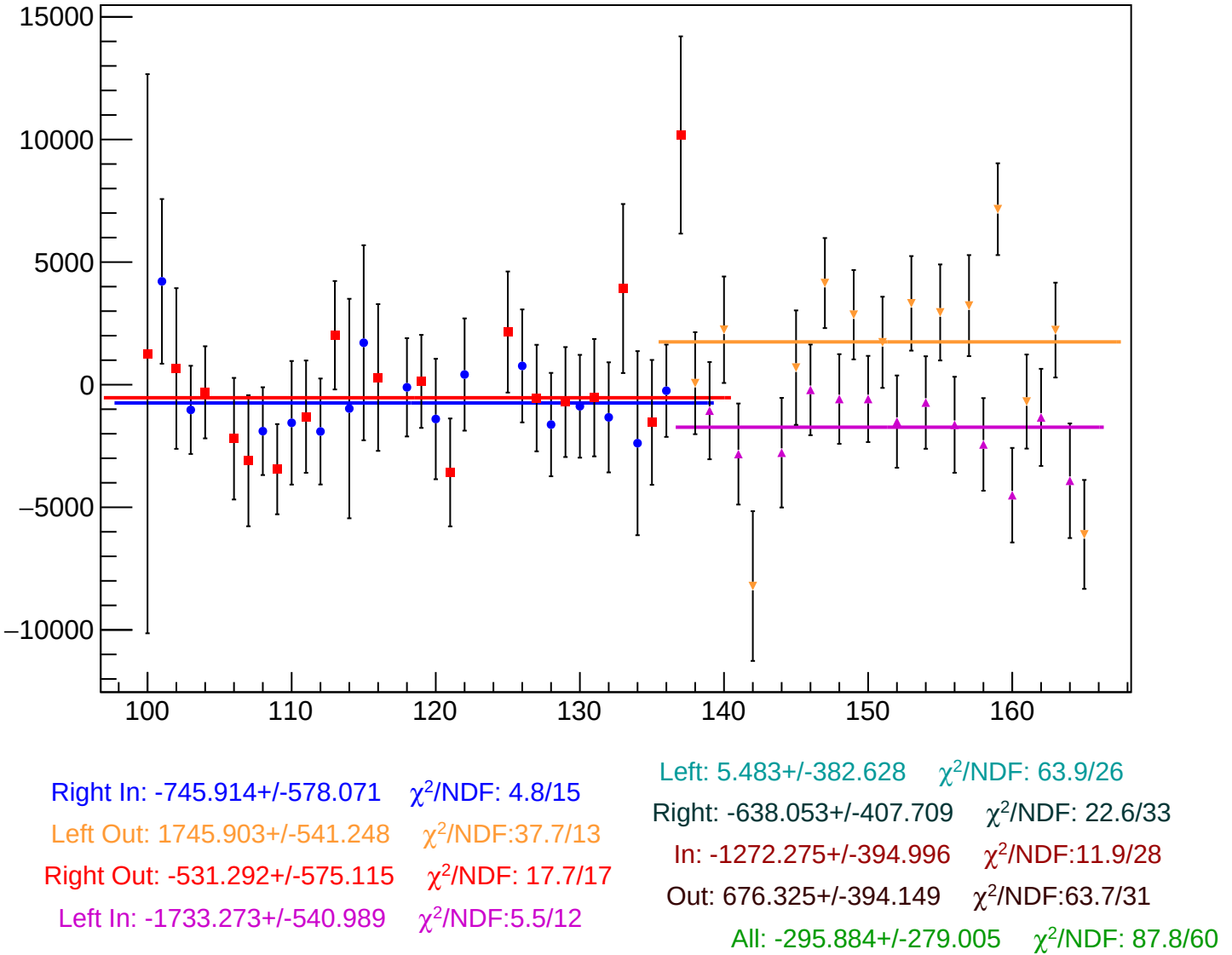
Left: 7445.537+/-1.147 χ^2/NDF: 1351599.9/26

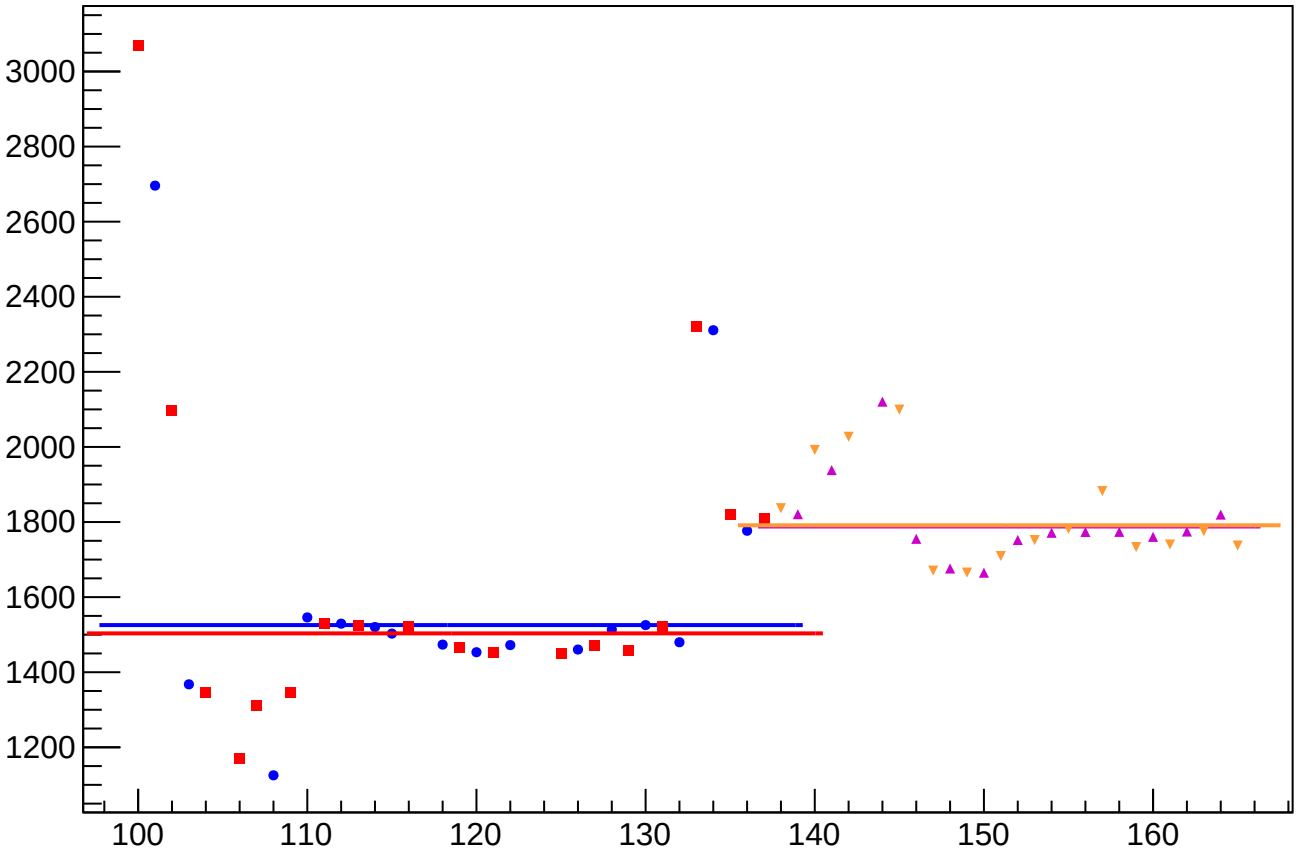
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

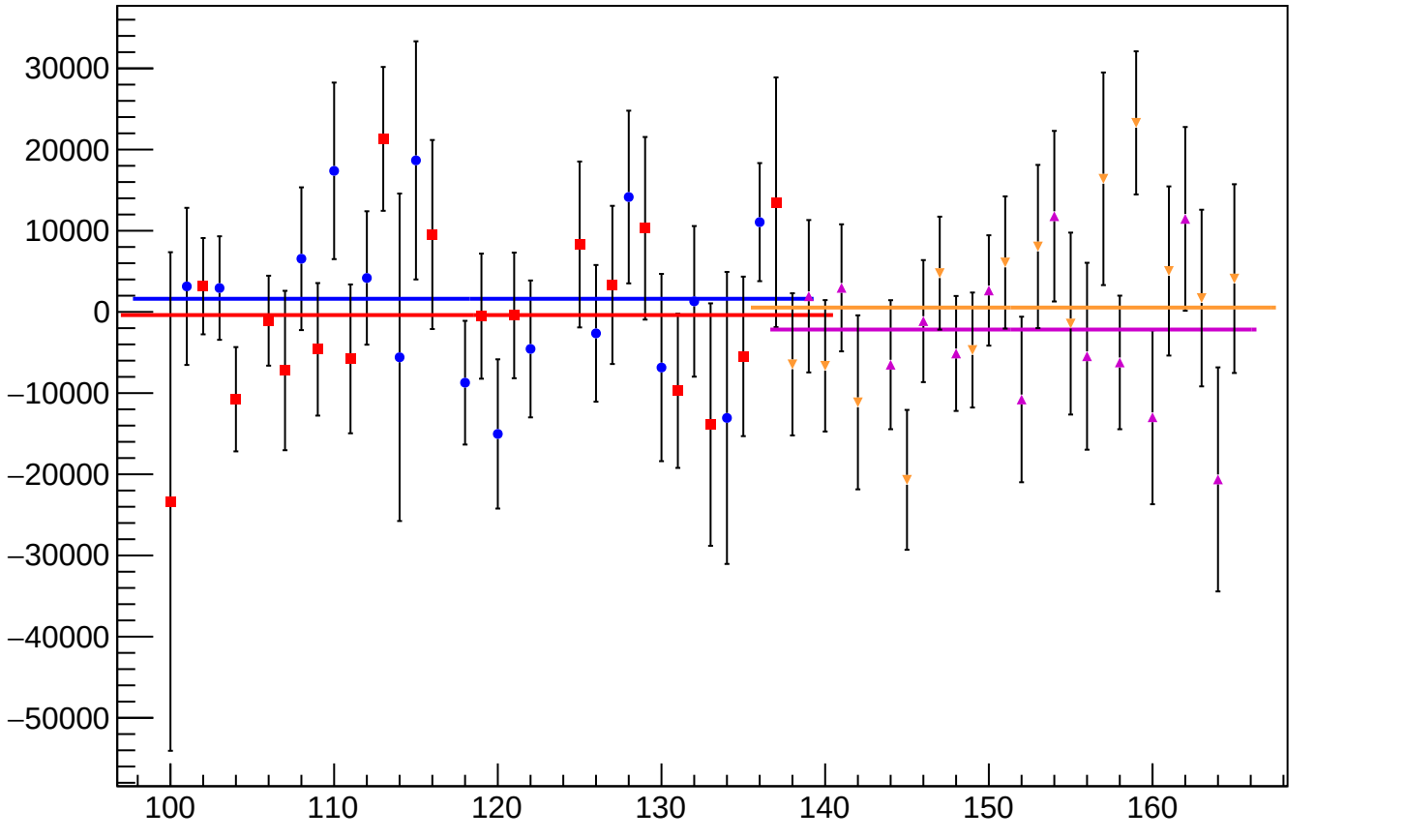
In: 6687.398+/-1.140 χ^2/NDF:1797990.6/28

Out: 6433.686+/-1.103 χ^2/NDF:2085650.2/31

All: 6556.349+/-0.793 χ^2/NDF: 3909206.4/60


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
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1745.903+/-541.248 χ²/NDF:37.7/13
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1733.273+/-540.989 χ²/NDF:5.5/12
Left: 5.483+/-382.628 χ²/NDF: 63.9/26
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1272.275+/-394.996 χ²/NDF:11.9/28
Out: 676.325+/-394.149 χ²/NDF:63.7/31
All: -295.884+/-279.005 χ²/NDF: 87.8/60


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
Right In: 1525.536+/-0.409 χ²/NDF: 488328.2/15
Left Out: 1791.355+/-0.383 χ²/NDF:96363.1/13
Right Out: 1503.434+/-0.407 χ²/NDF: 338507.3/17
Left In: 1788.078+/-0.383 χ²/NDF:75336.4/12
Left: 1789.716+/-0.271 χ²/NDF: 171736.1/26
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1665.497+/-0.279 χ²/NDF:783590.3/28
Out: 1656.080+/-0.279 χ²/NDF:700777.6/31
All: 1660.778+/-0.197 χ²/NDF: 1484937.7/60



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 539.762+/-2441.363 χ^2/NDF:19.1/13

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -2168.779+/-2457.567 χ^2/NDF:8.7/12

Left: -805.549+/-1732.005 χ^2/NDF: 28.4/26

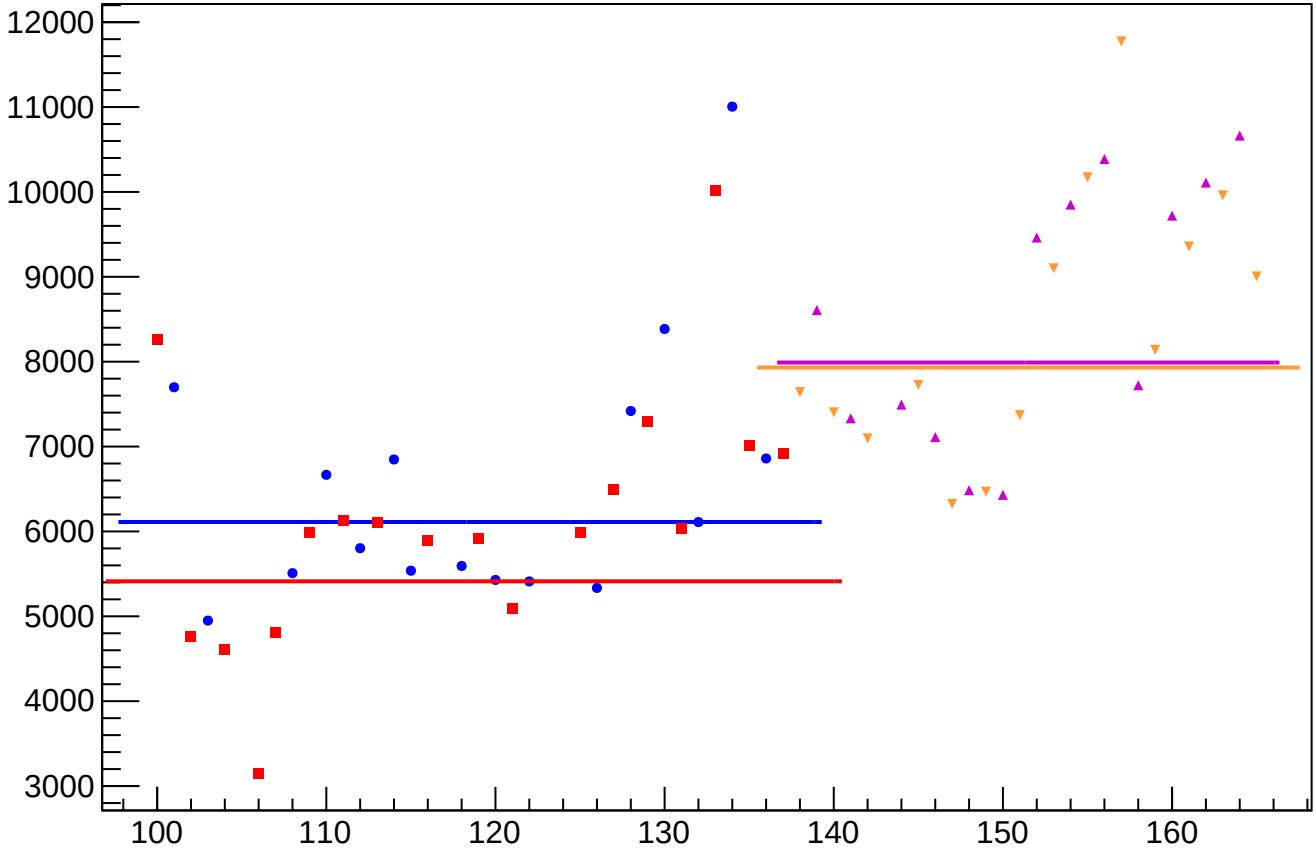
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: -165.380+/-1687.038 χ^2/NDF:24.2/28

Out: -0.769+/-1574.796 χ^2/NDF:35.2/31

All: -77.417+/-1151.185 χ^2/NDF: 59.3/60

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: 7931.069+/-1.726 χ^2/NDF:630042.0/13

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7990.105+/-1.738 χ^2/NDF:644215.2/12

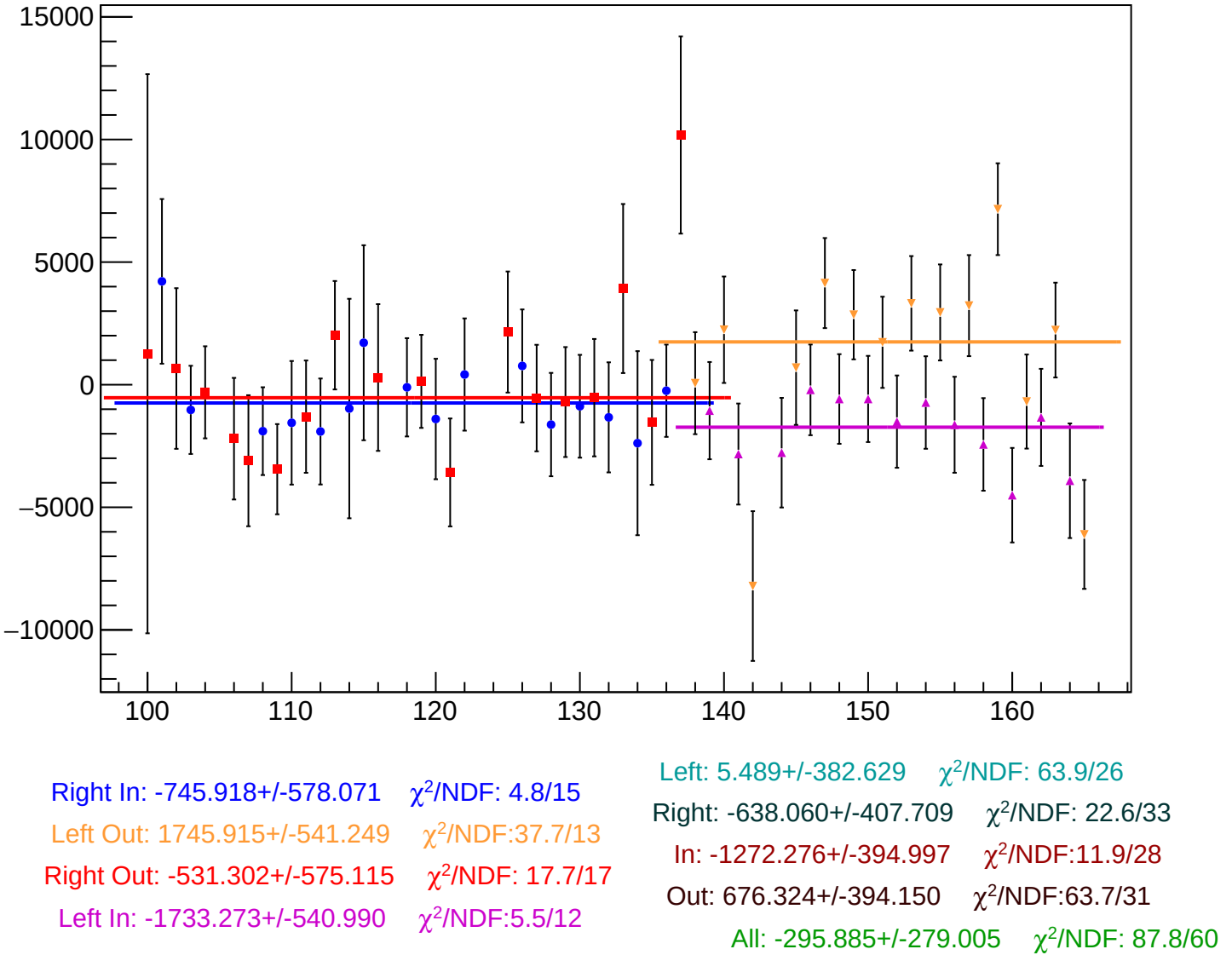
Left: 7960.392+/-1.225 χ^2/NDF: 1274838.1/26

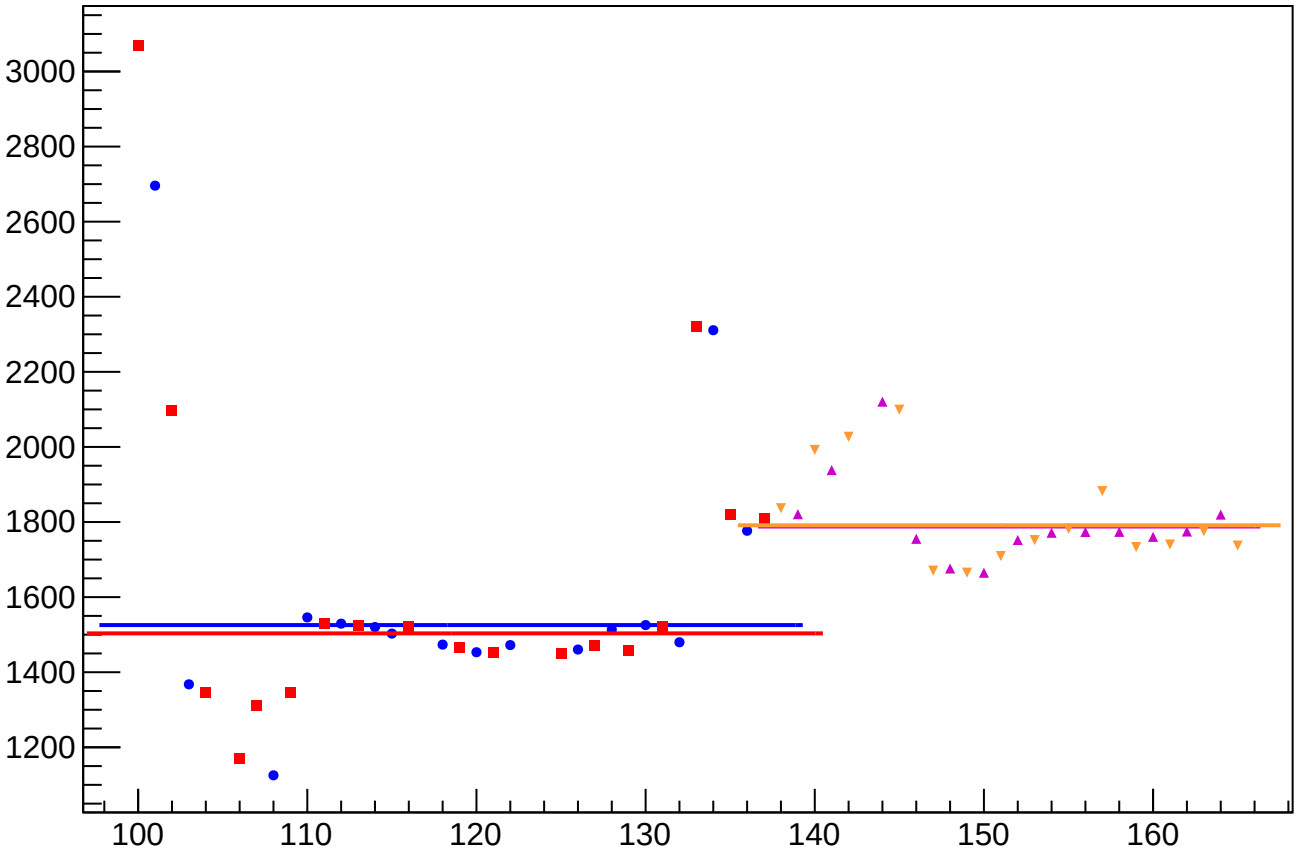
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6996.522+/-1.193 χ^2/NDF:1734129.4/28

Out: 6460.312+/-1.114 χ^2/NDF:2694651.6/31

All: 6709.988+/-0.814 χ^2/NDF: 4536748.1/60


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
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1745.915+/-541.249 χ²/NDF:37.7/13
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1733.273+/-540.990 χ²/NDF:5.5/12
Left: 5.489+/-382.629 χ²/NDF: 63.9/26
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1272.276+/-394.997 χ²/NDF:11.9/28
Out: 676.324+/-394.150 χ²/NDF:63.7/31
All: -295.885+/-279.005 χ²/NDF: 87.8/60



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1791.358+/-0.383 χ^2/NDF:96363.7/13

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1788.082+/-0.383 χ^2/NDF:75336.6/12

Left: 1789.719+/-0.271 χ^2/NDF: 171737.0/26

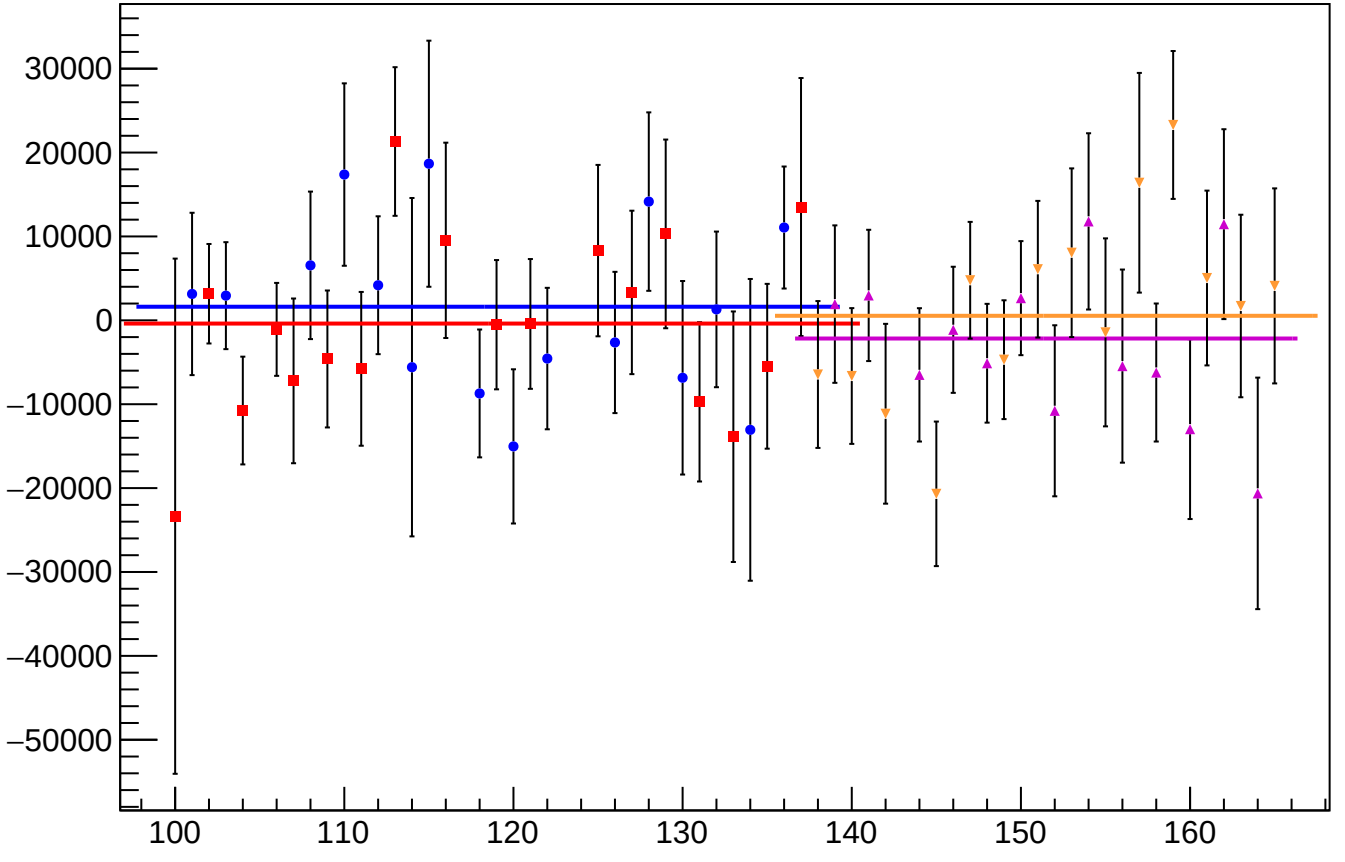
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1665.499+/-0.279 χ^2/NDF:783595.3/28

Out: 1656.081+/-0.279 χ^2/NDF:700783.8/31

All: 1660.779+/-0.197 χ^2/NDF: 1484948.9/60

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: 539.765+/-2441.366 χ^2/NDF:19.1/13

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -2168.775+/-2457.571 χ^2/NDF:8.7/12

Left: -805.546+/-1732.007 χ^2/NDF: 28.4/26

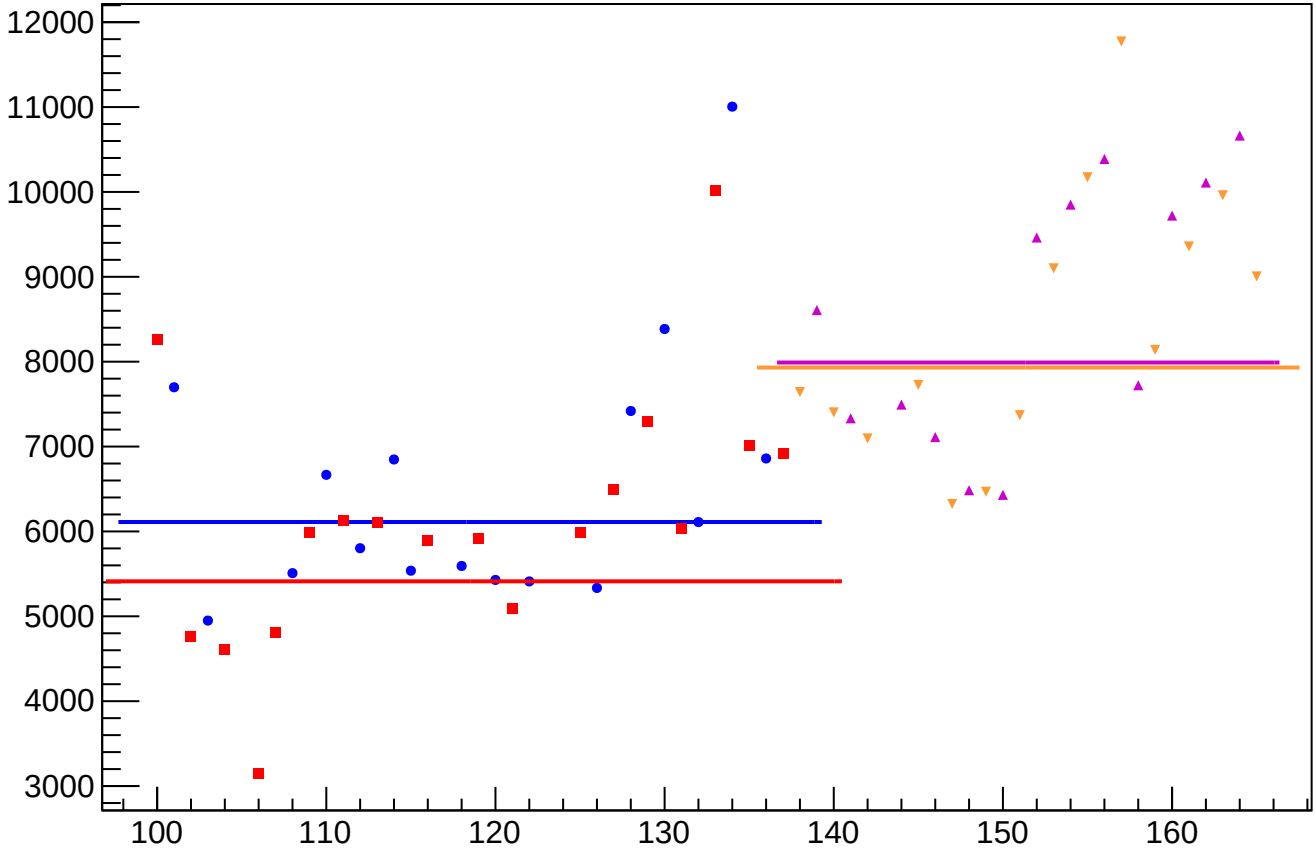
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: -165.382+/-1687.037 χ^2/NDF:24.2/28

Out: -0.773+/-1574.795 χ^2/NDF:35.2/31

All: -77.420+/-1151.185 χ^2/NDF: 59.3/60

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: 7931.080+/-1.726 χ^2/NDF:630044.1/13

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7990.115+/-1.738 χ^2/NDF:644217.0/12

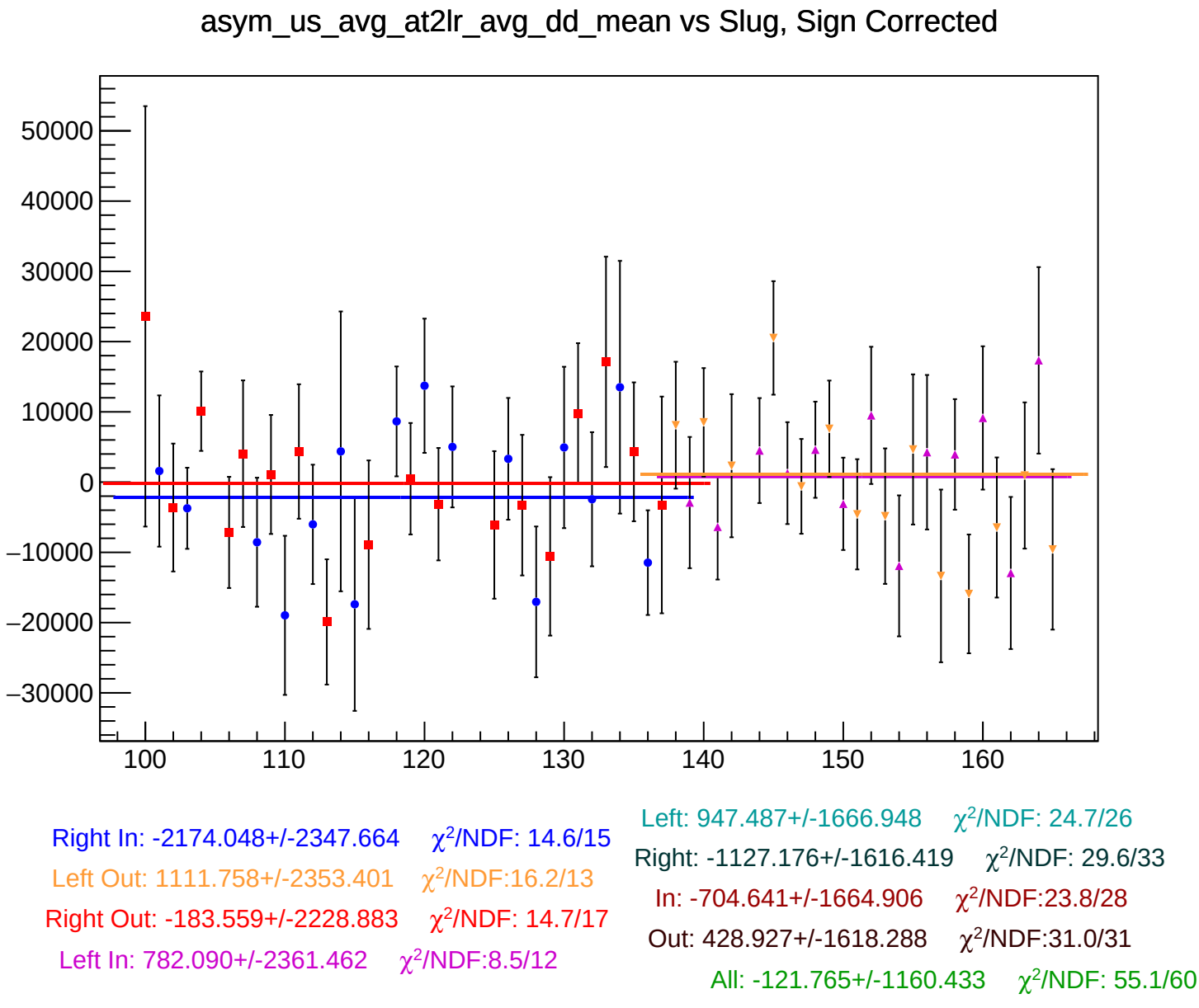
Left: 7960.402+/-1.225 χ^2/NDF: 1274841.9/26

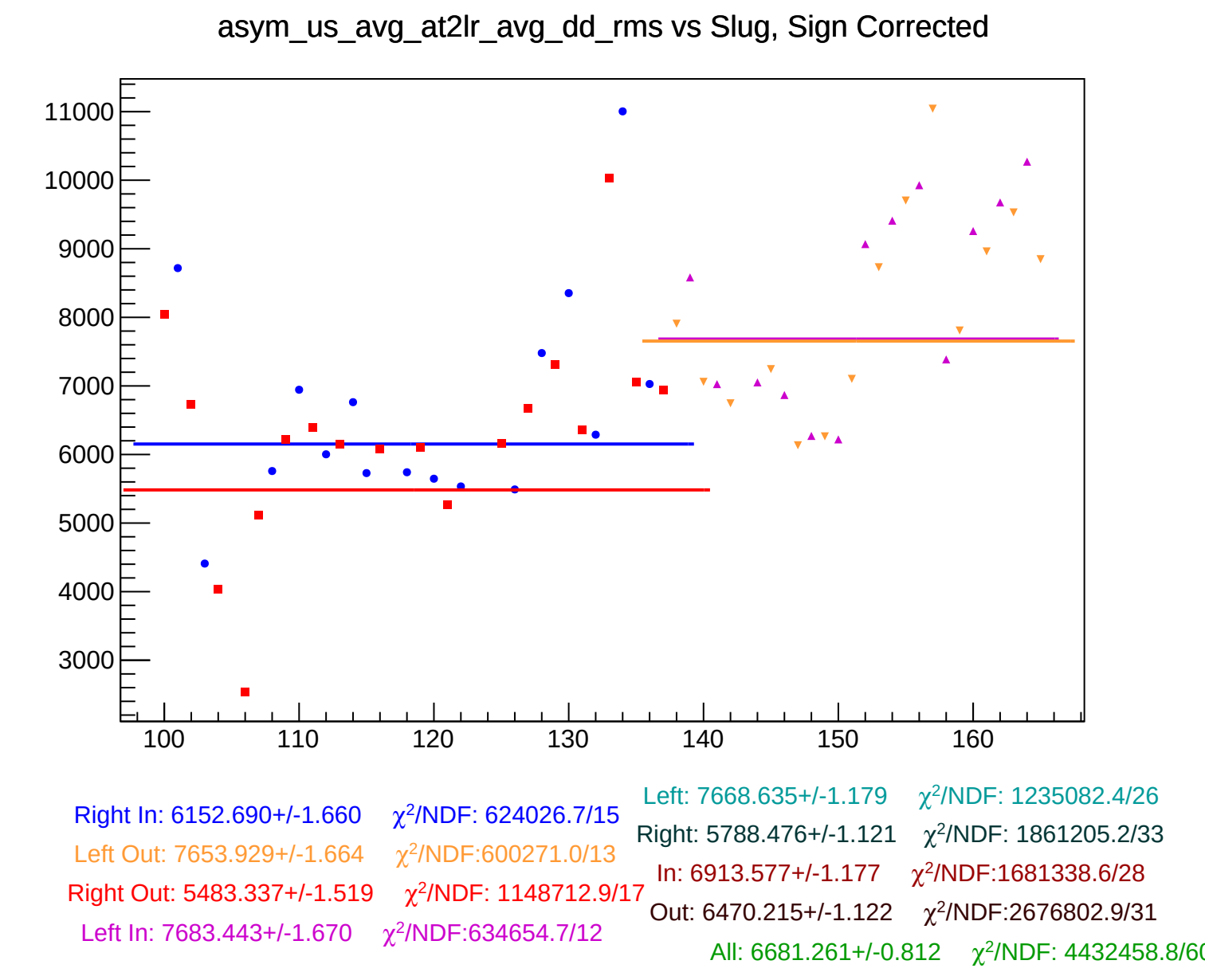
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

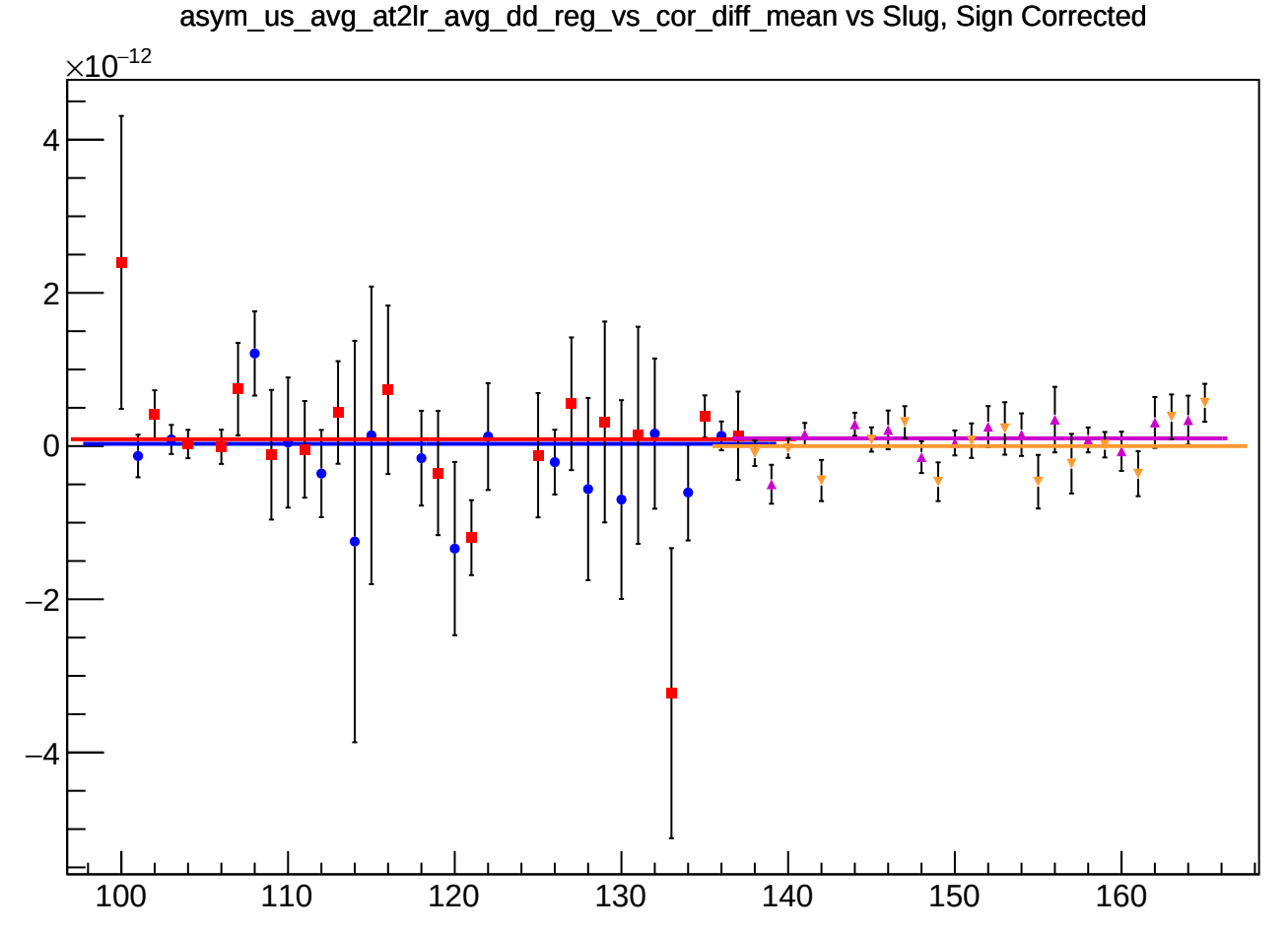
In: 6996.516+/-1.193 χ^2/NDF:1734149.3/28

Out: 6460.306+/-1.114 χ^2/NDF:2694675.7/31

All: 6709.982+/-0.814 χ^2/NDF: 4536792.5/60


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1111.758+/-2353.401 χ²/NDF:16.2/13
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 782.090+/-2361.462 χ²/NDF:8.5/12
Left: 947.487+/-1666.948 χ²/NDF: 24.7/26
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -704.641+/-1664.906 χ²/NDF:23.8/28
Out: 428.927+/-1618.288 χ²/NDF:31.0/31
All: -121.765+/-1160.433 χ²/NDF: 55.1/60


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
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7653.929+/-1.664 χ²/NDF:600271.0/13
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7683.443+/-1.670 χ²/NDF:634654.7/12
Left: 7668.635+/-1.179 χ²/NDF: 1235082.4/26
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6913.577+/-1.177 χ²/NDF:1681338.6/28
Out: 6470.215+/-1.122 χ²/NDF:2676802.9/31
All: 6681.261+/-0.812 χ²/NDF: 4432458.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/12

Left: 0.000+/-0.000 χ^2/NDF: 32.7/26

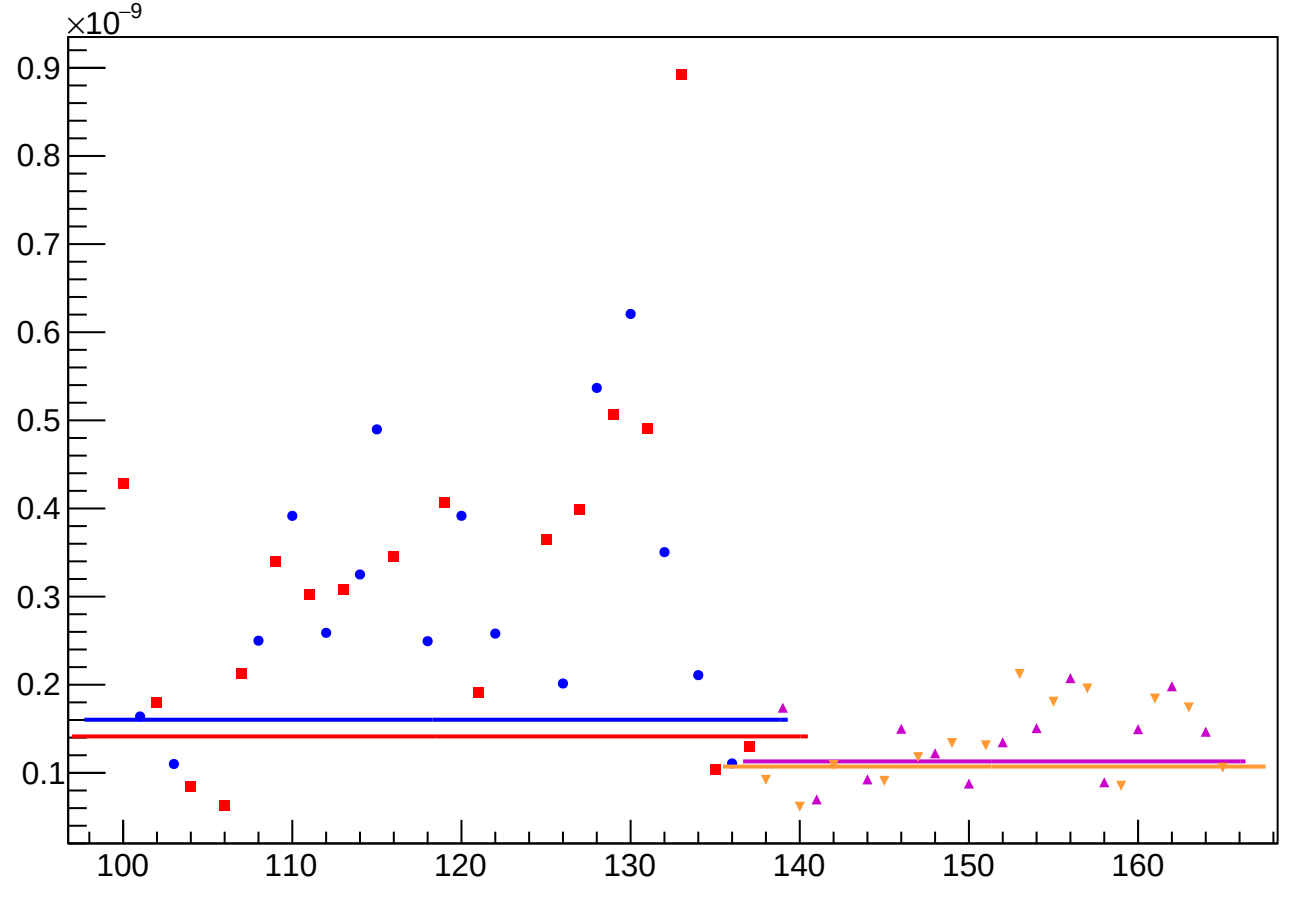
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:20.8/28

Out: 0.000+/-0.000 χ^2/NDF:37.3/31

All: 0.000+/-0.000 χ^2/NDF: 58.9/60

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1013050.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:801197.1/12

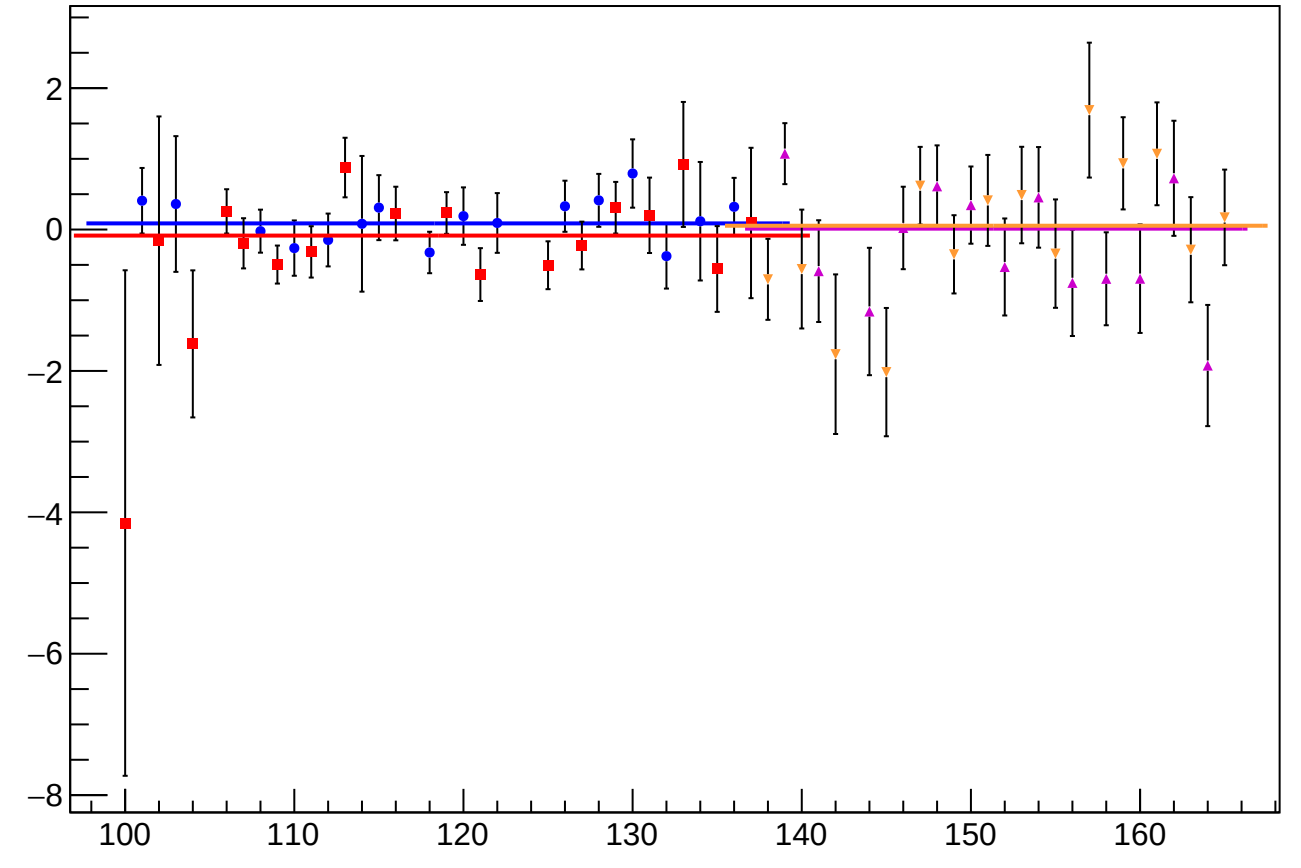
Left: 0.000+/-0.000 χ^2/NDF: 1824496.7/26

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2444651.2/28

Out: 0.000+/-0.000 χ^2/NDF:3349431.5/31

All: 0.000+/-0.000 χ^2/NDF: 5829296.2/60



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

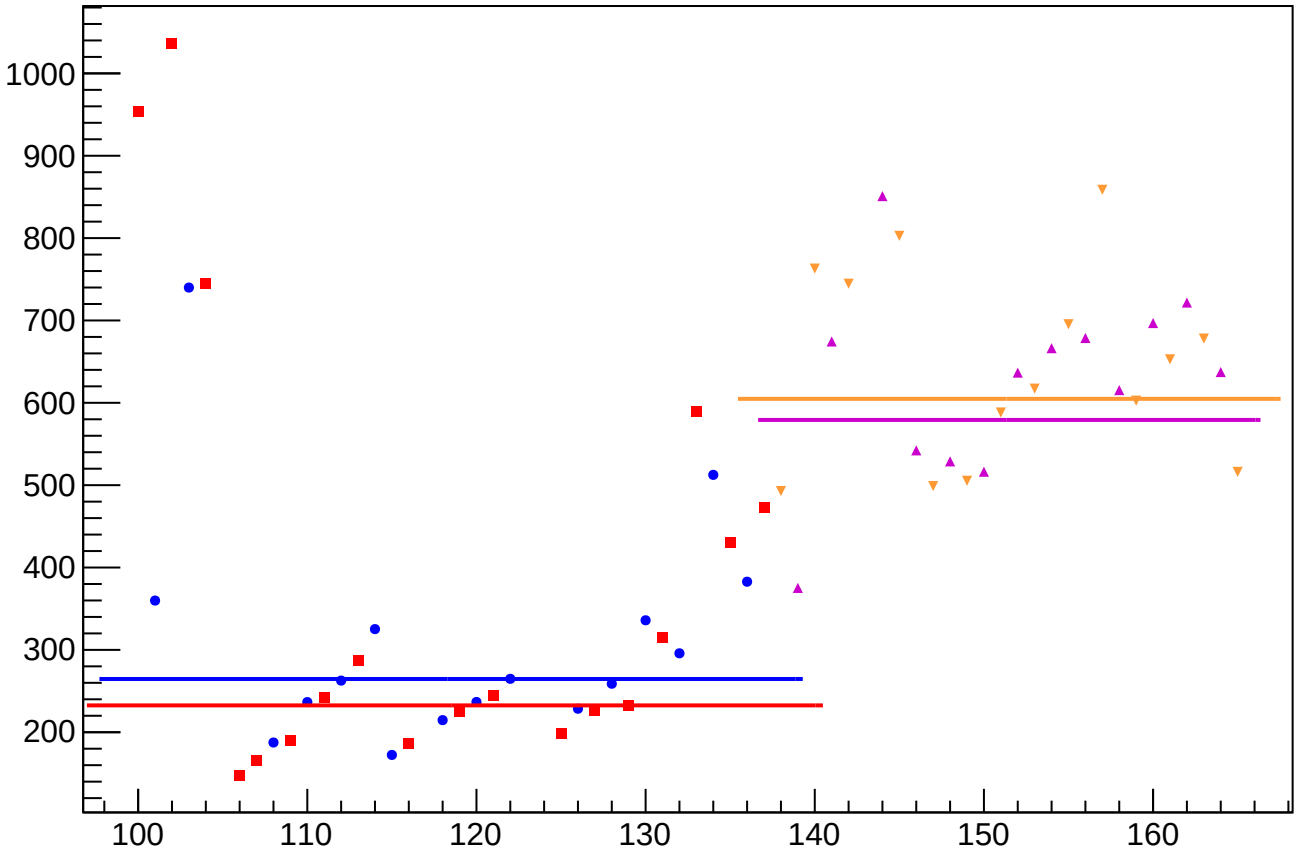
Left: 0.032+/-0.130 χ^2/NDF: 39.5/26

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.056+/-0.086 χ^2/NDF:41.9/31

All: 0.003+/-0.063 χ^2/NDF: 71.6/60



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 604.821+/-0.132 χ^2/NDF:646196.4/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 579.222+/-0.128 χ^2/NDF:916594.9/12

Left: 591.606+/-0.092 χ^2/NDF: 1582171.6/26

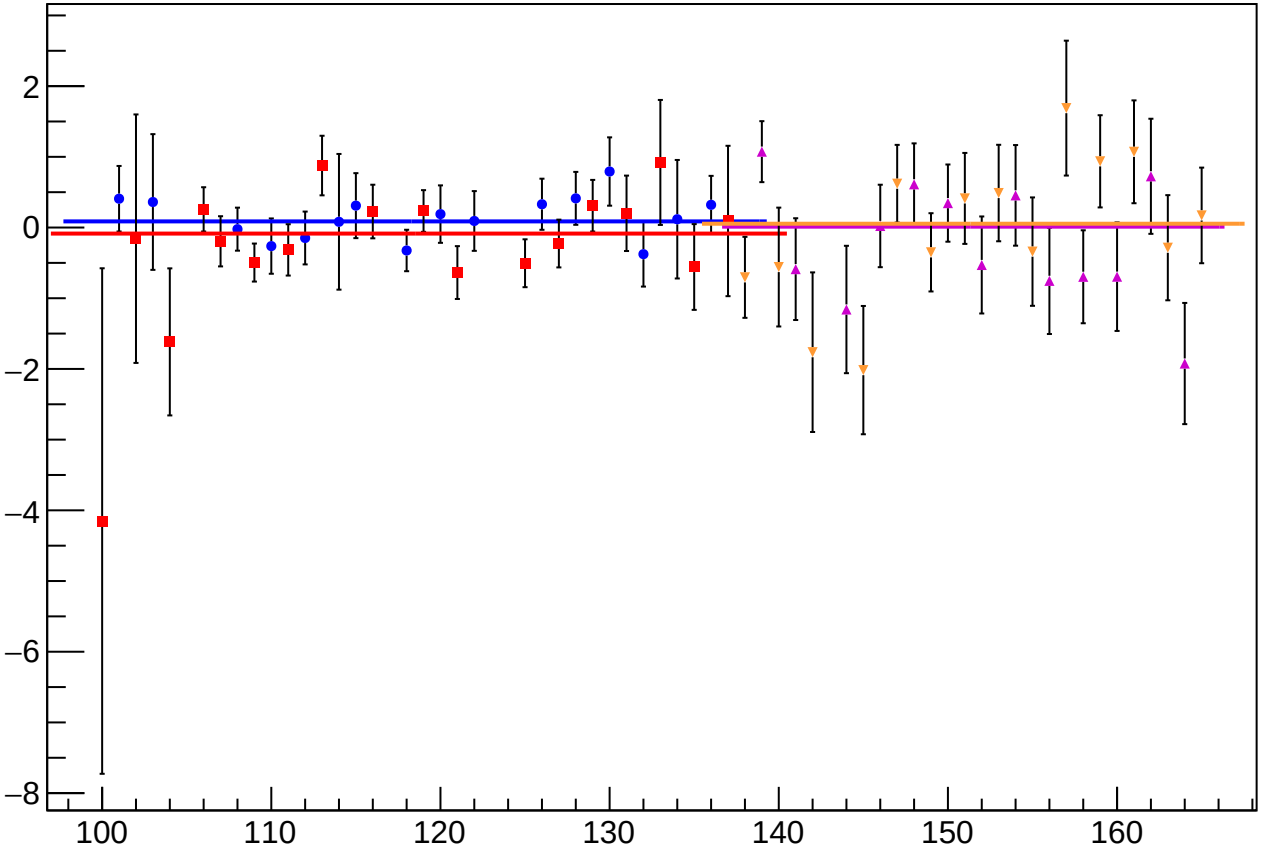
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 344.036+/-0.064 χ^2/NDF:6722844.1/28

Out: 312.053+/-0.061 χ^2/NDF:8922149.0/31

All: 327.227+/-0.044 χ^2/NDF: 15775241.0/60

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: 0.054+/-0.187 χ^2/NDF:19.6/13

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

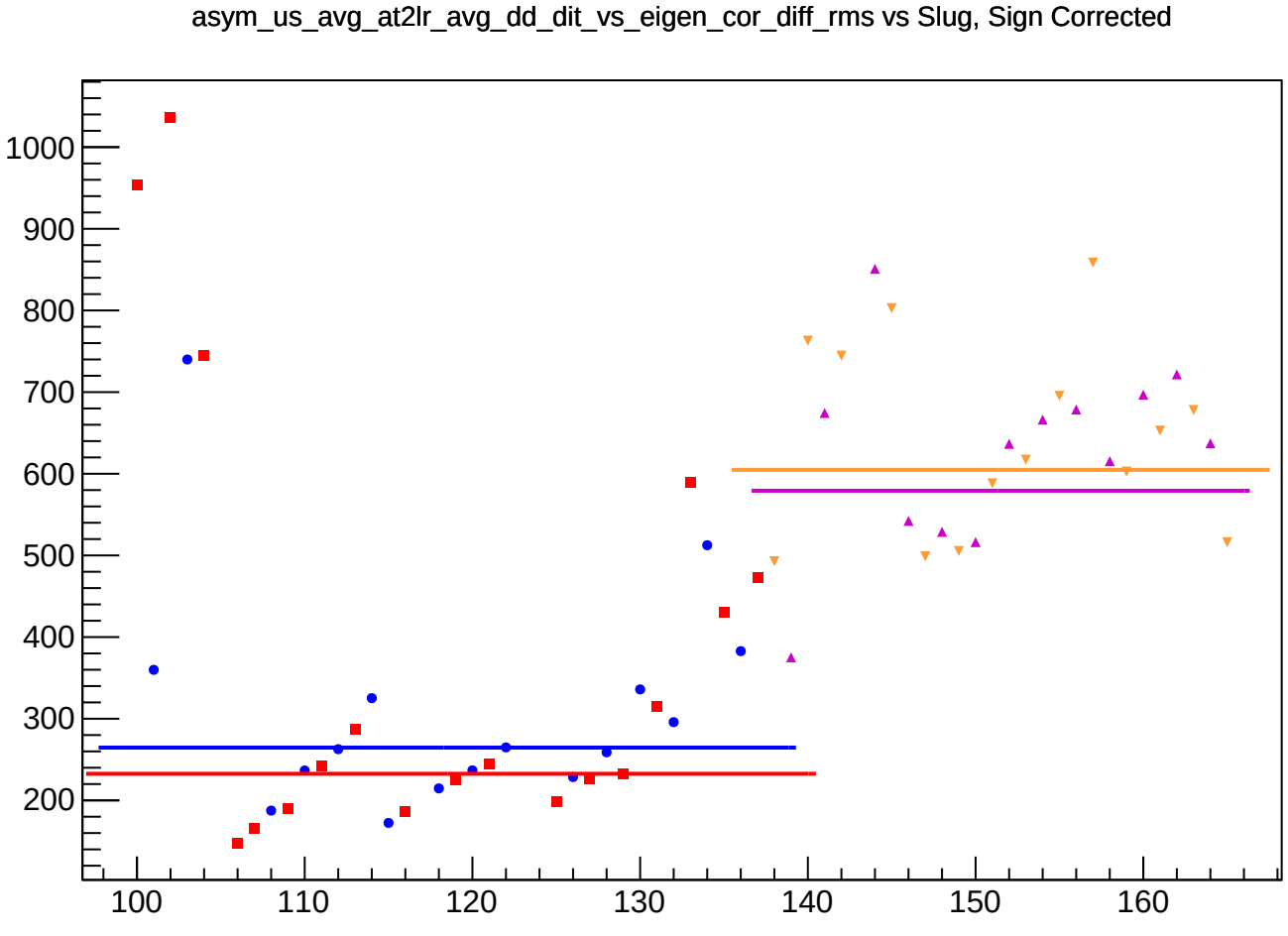
Left: 0.032+/-0.130 χ^2/NDF: 39.5/26

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.056+/-0.086 χ^2/NDF:41.9/31

All: 0.003+/-0.063 χ^2/NDF: 71.6/60



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 604.821+/-0.132 χ^2/NDF:646196.4/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 579.222+/-0.128 χ^2/NDF:916594.9/12

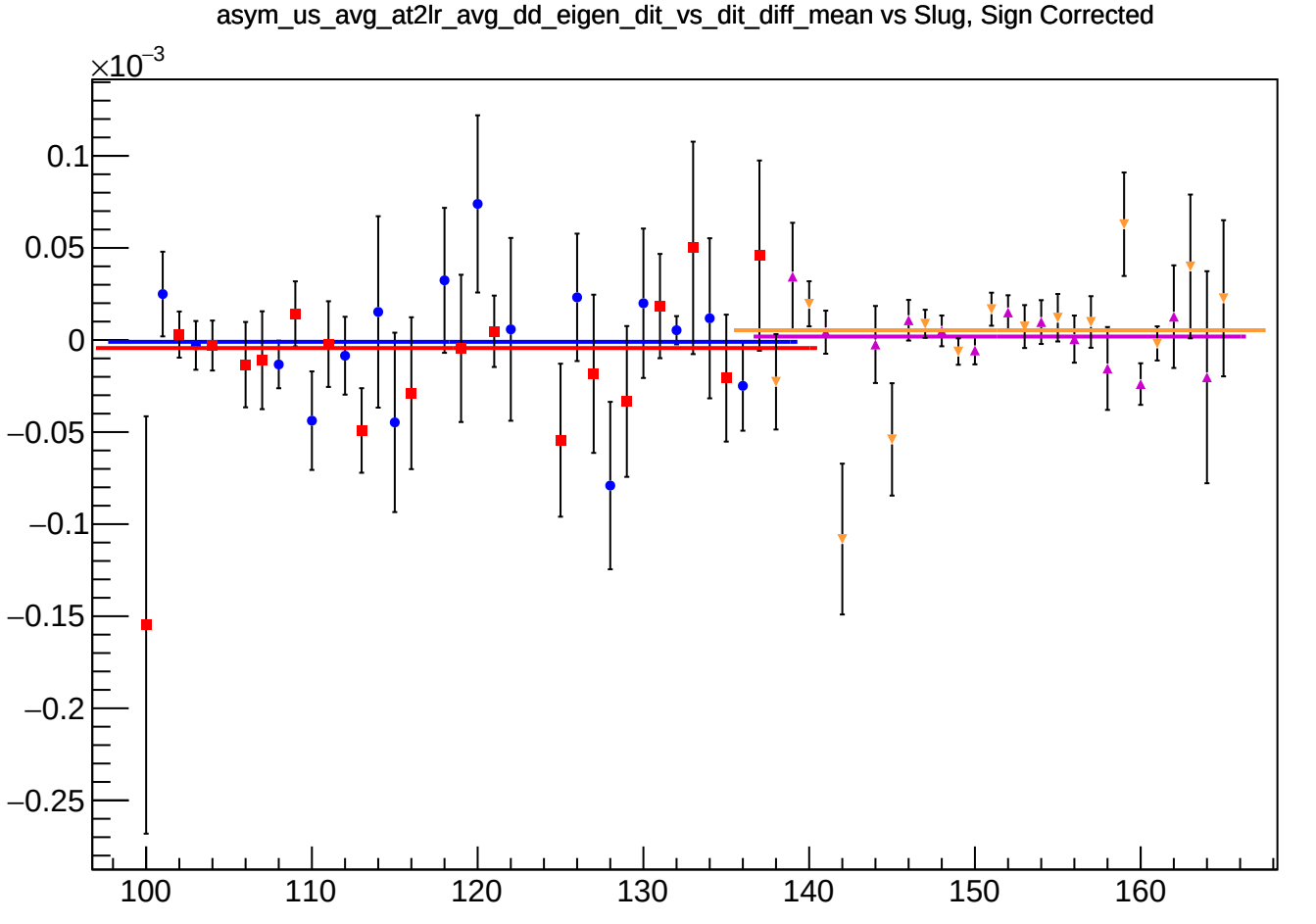
Left: 591.606+/-0.092 χ^2/NDF: 1582171.6/26

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

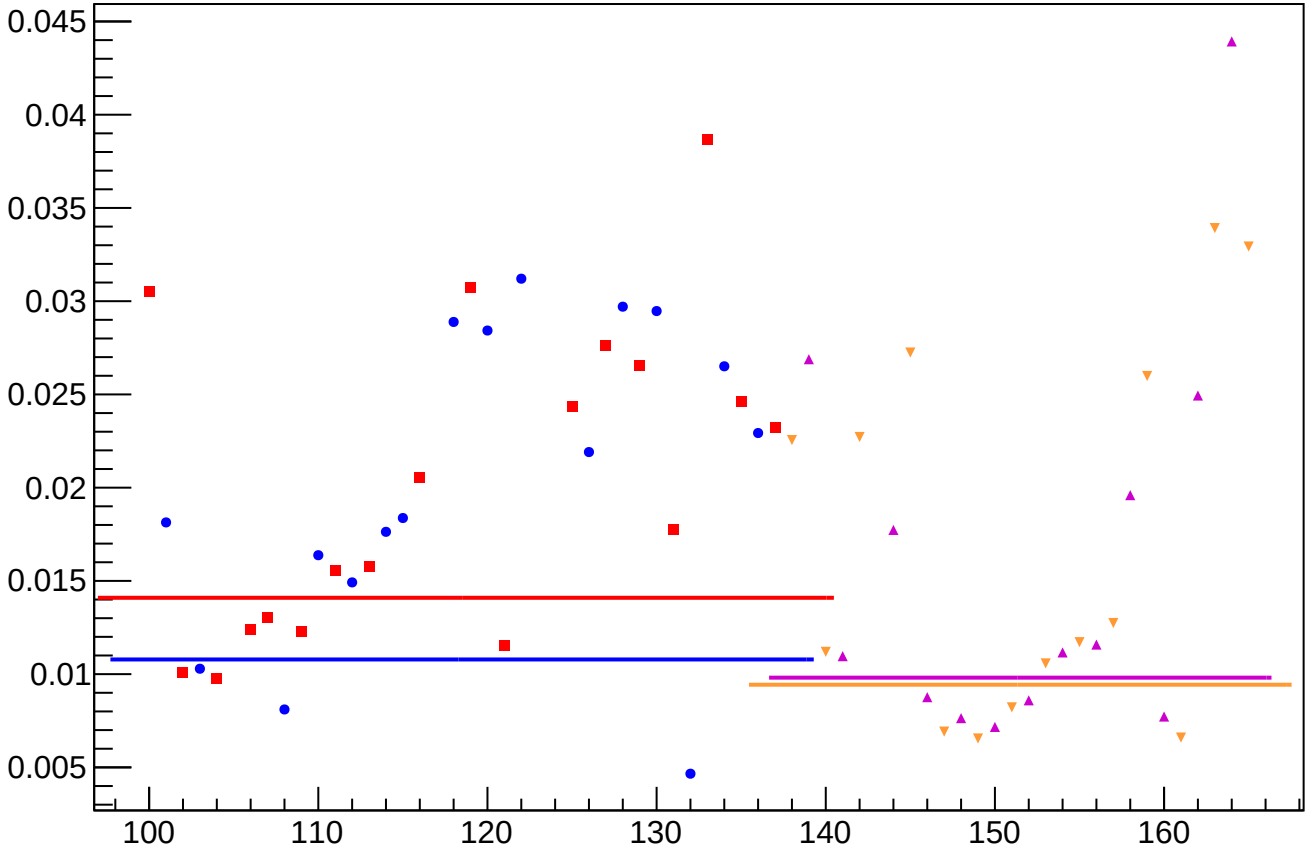
In: 344.036+/-0.064 χ^2/NDF:6722844.1/28

Out: 312.053+/-0.061 χ^2/NDF:8922149.0/31

All: 327.227+/-0.044 χ^2/NDF: 15775241.0/60


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
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:11.6/12
Left: 0.000+/-0.000 χ²/NDF: 36.7/26
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:26.2/28
Out: 0.000+/-0.000 χ²/NDF:39.3/31
All: 0.000+/-0.000 χ²/NDF: 65.8/60

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: 0.009+/-0.000 χ^2/NDF:4501967.6/13

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:3219834.2/12

Left: 0.010+/-0.000 χ^2/NDF: 7734568.1/26

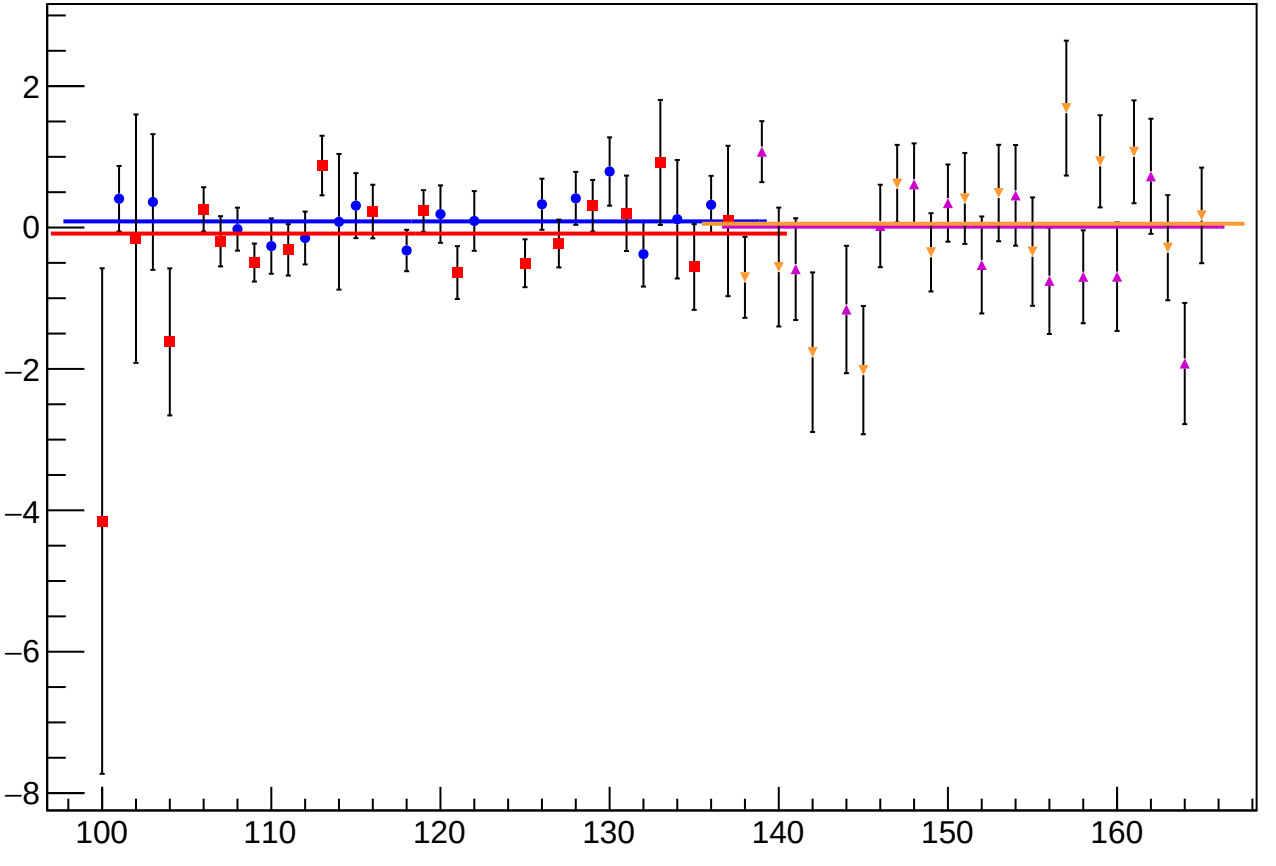
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:7852548.9/28

Out: 0.011+/-0.000 χ^2/NDF:7580455.5/31

All: 0.010+/-0.000 χ^2/NDF: 15461008.7/60

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: 0.054+/-0.187 χ^2/NDF:19.6/13

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

Left: 0.032+/-0.130 χ^2/NDF: 39.5/26

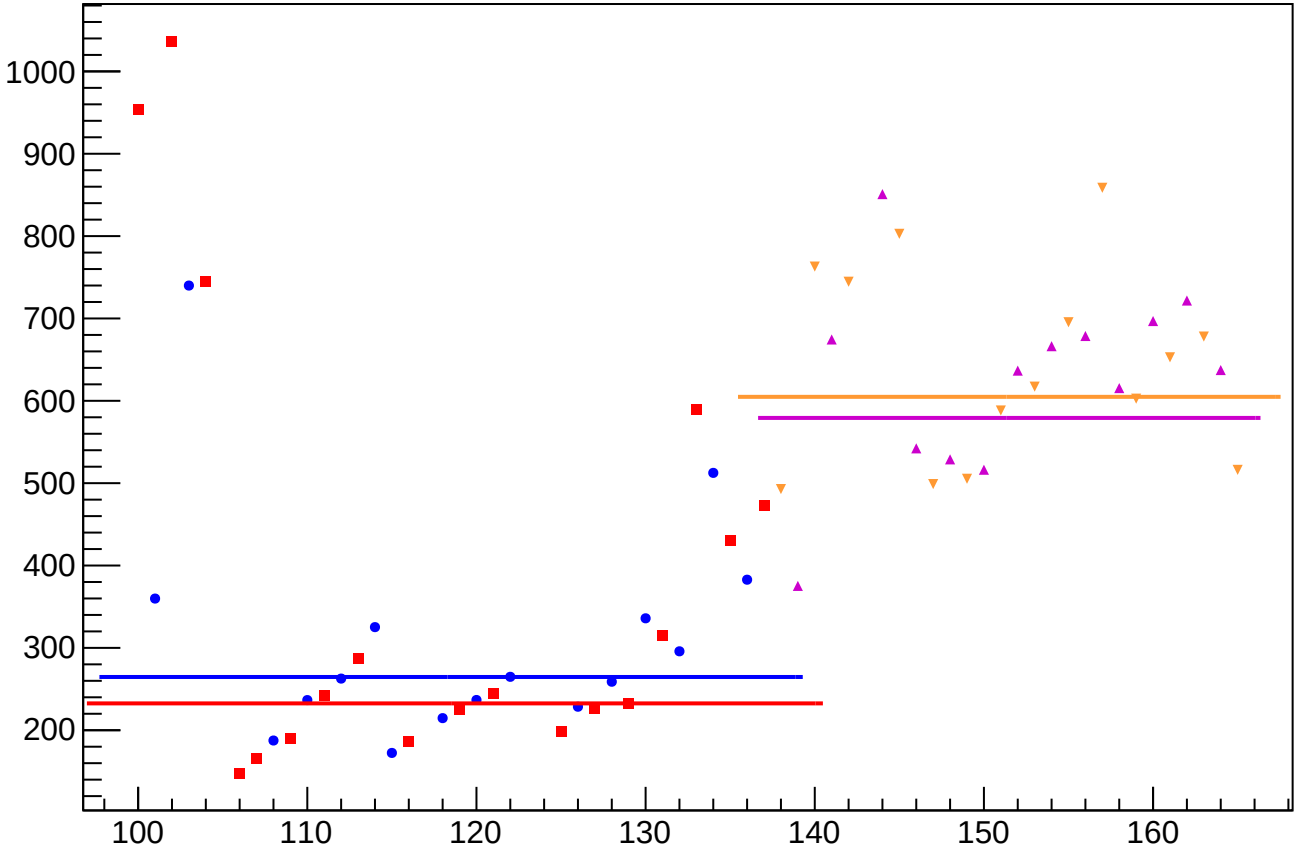
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.056+/-0.086 χ^2/NDF:41.9/31

All: 0.003+/-0.063 χ^2/NDF: 71.6/60

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: 604.830+/-0.132 χ^2/NDF:646198.9/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 579.230+/-0.128 χ^2/NDF:916574.2/12

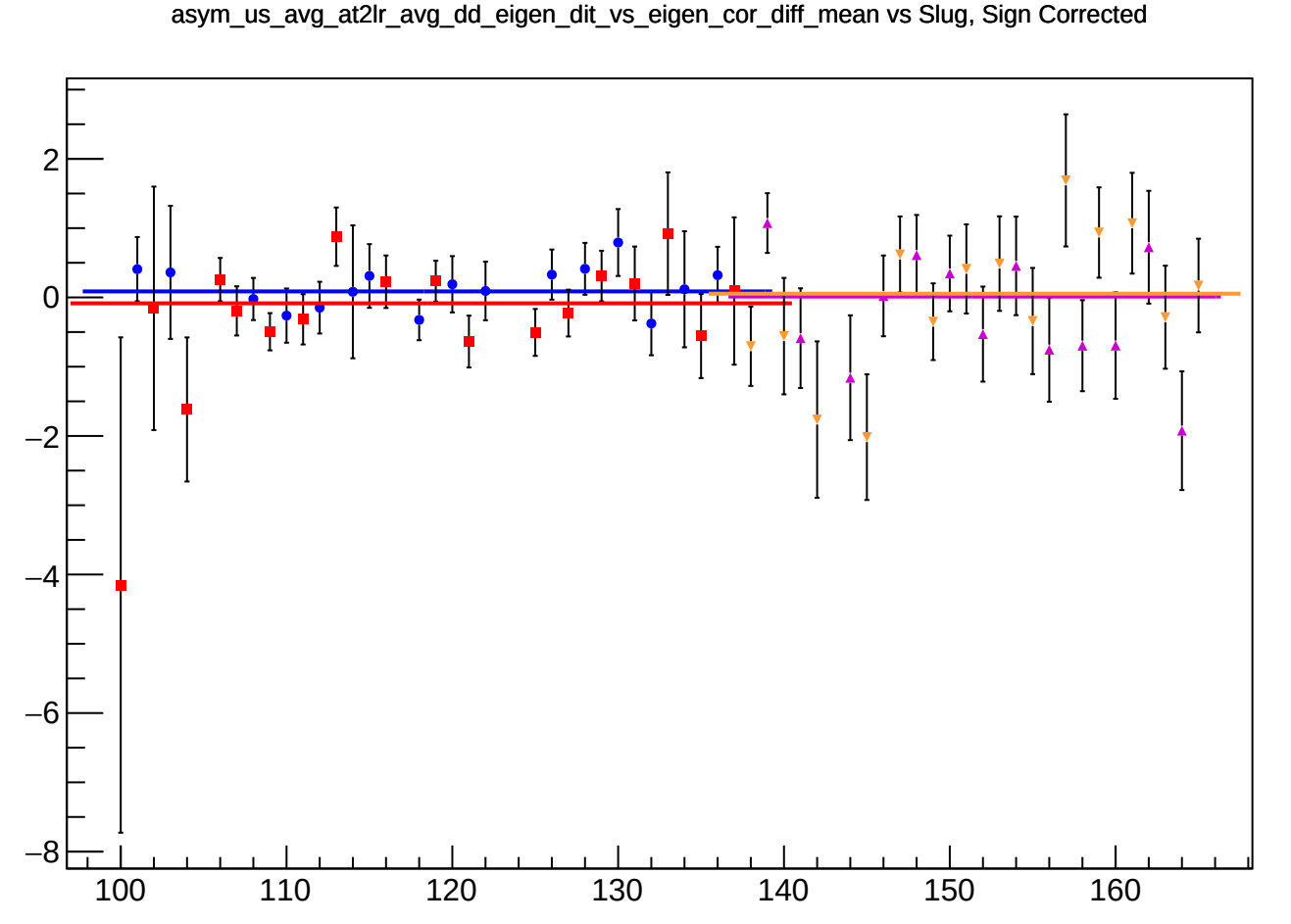
Left: 591.615+/-0.092 χ^2/NDF: 1582152.9/26

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 344.036+/-0.064 χ^2/NDF:6722955.5/28

Out: 312.054+/-0.061 χ^2/NDF:8922270.7/31

All: 327.227+/-0.044 χ^2/NDF: 15775467.2/60



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

Left: 0.032+/-0.130 χ^2/NDF: 39.5/26

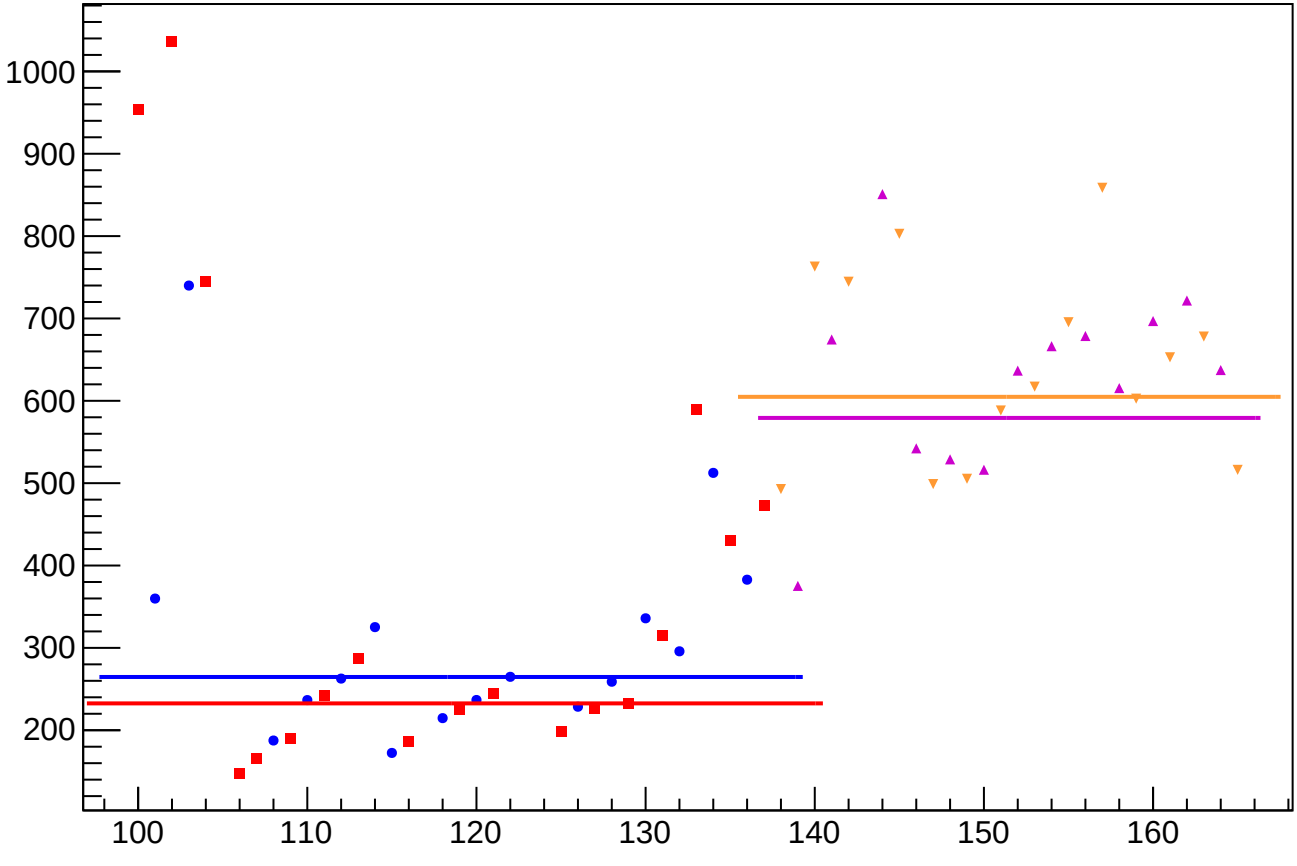
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.056+/-0.086 χ^2/NDF:41.9/31

All: 0.003+/-0.063 χ^2/NDF: 71.6/60

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: 604.830+/-0.132 χ^2/NDF:646198.9/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 579.230+/-0.128 χ^2/NDF:916574.2/12

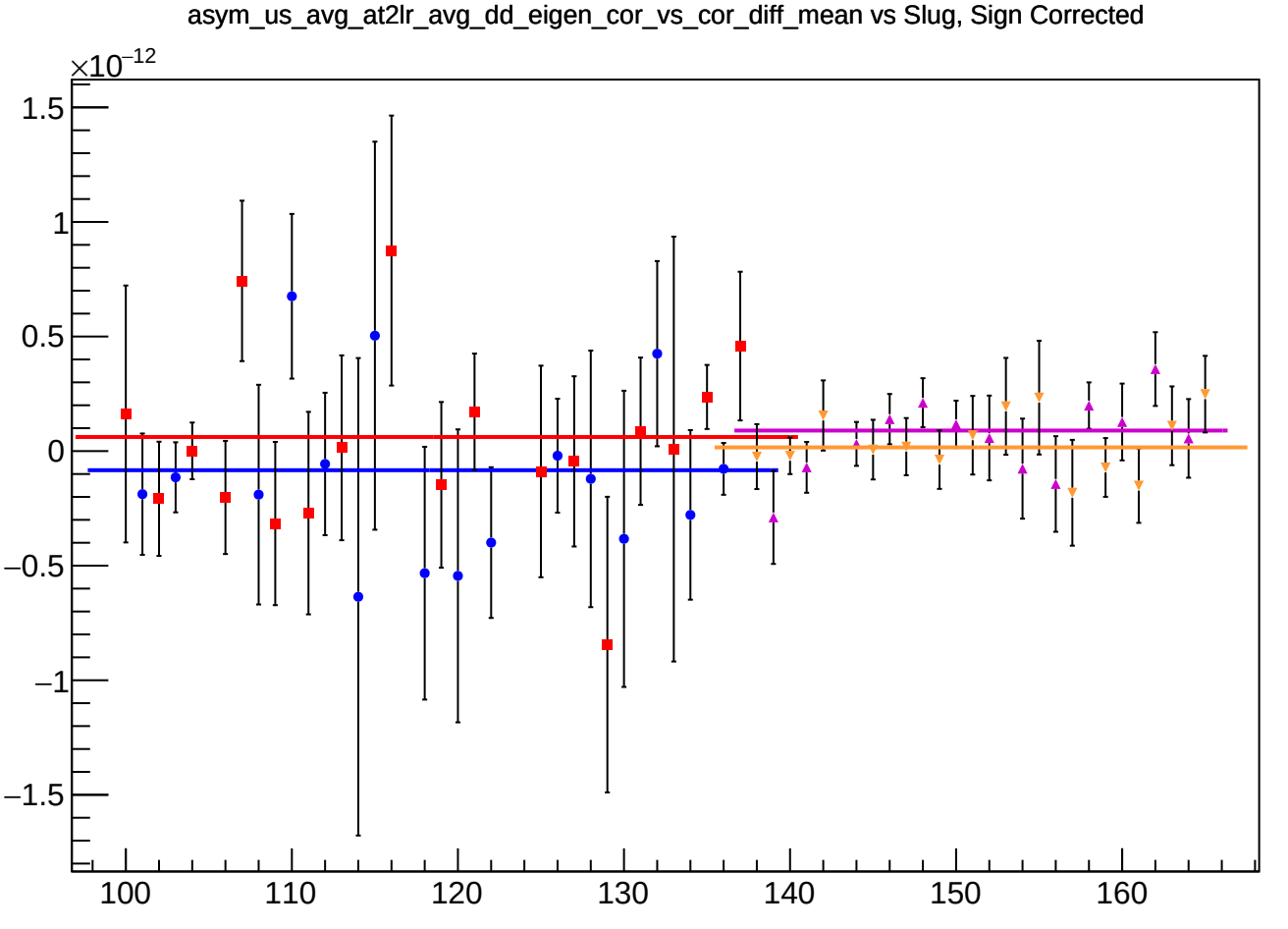
Left: 591.615+/-0.092 χ^2/NDF: 1582152.9/26

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

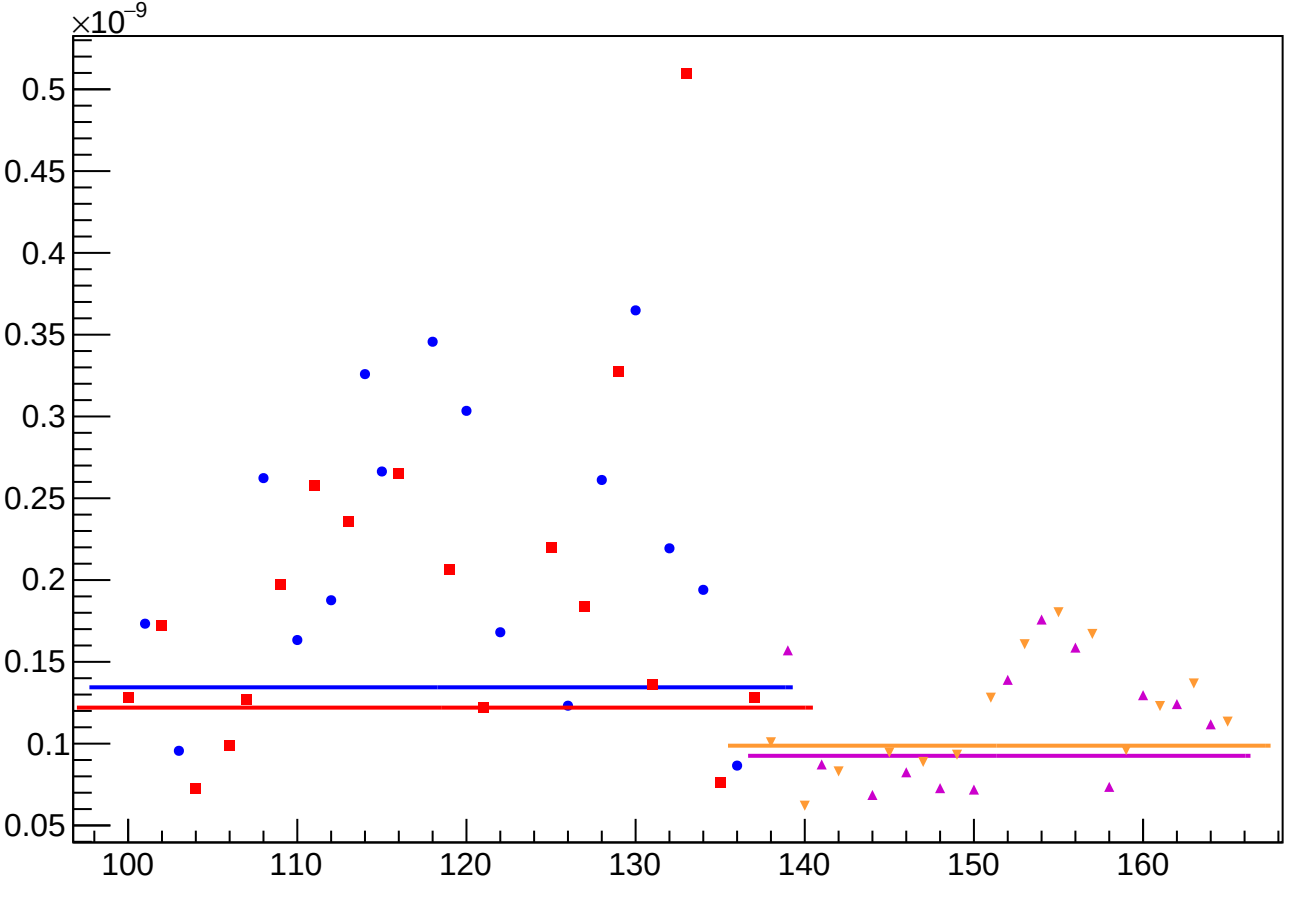
In: 344.036+/-0.064 χ^2/NDF:6722955.5/28

Out: 312.054+/-0.061 χ^2/NDF:8922270.7/31

All: 327.227+/-0.044 χ^2/NDF: 15775467.2/60


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:7.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:13.4/12
Left: 0.000+/-0.000 χ²/NDF: 22.7/26
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:28.1/28
Out: 0.000+/-0.000 χ²/NDF:23.5/31
All: 0.000+/-0.000 χ²/NDF: 51.8/60

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1242987.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1385796.8/12

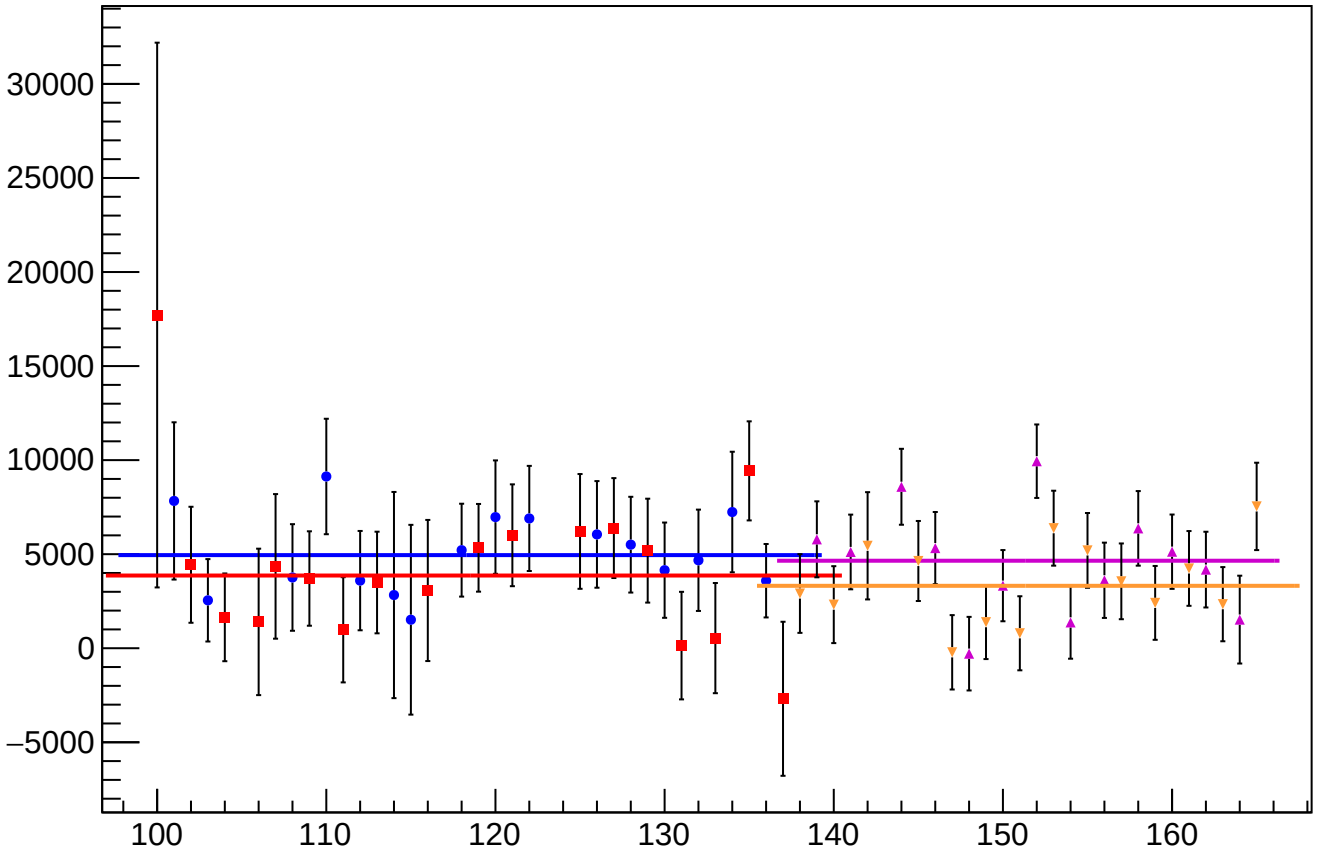
Left: 0.000+/-0.000 χ^2/NDF: 2656542.4/26

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:3777530.8/28

Out: 0.000+/-0.000 χ^2/NDF:3439657.3/31

All: 0.000+/-0.000 χ^2/NDF: 7226258.6/60



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3318.062+/-551.102 χ^2/NDF:14.3/13

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4651.709+/-552.325 χ^2/NDF:24.3/12

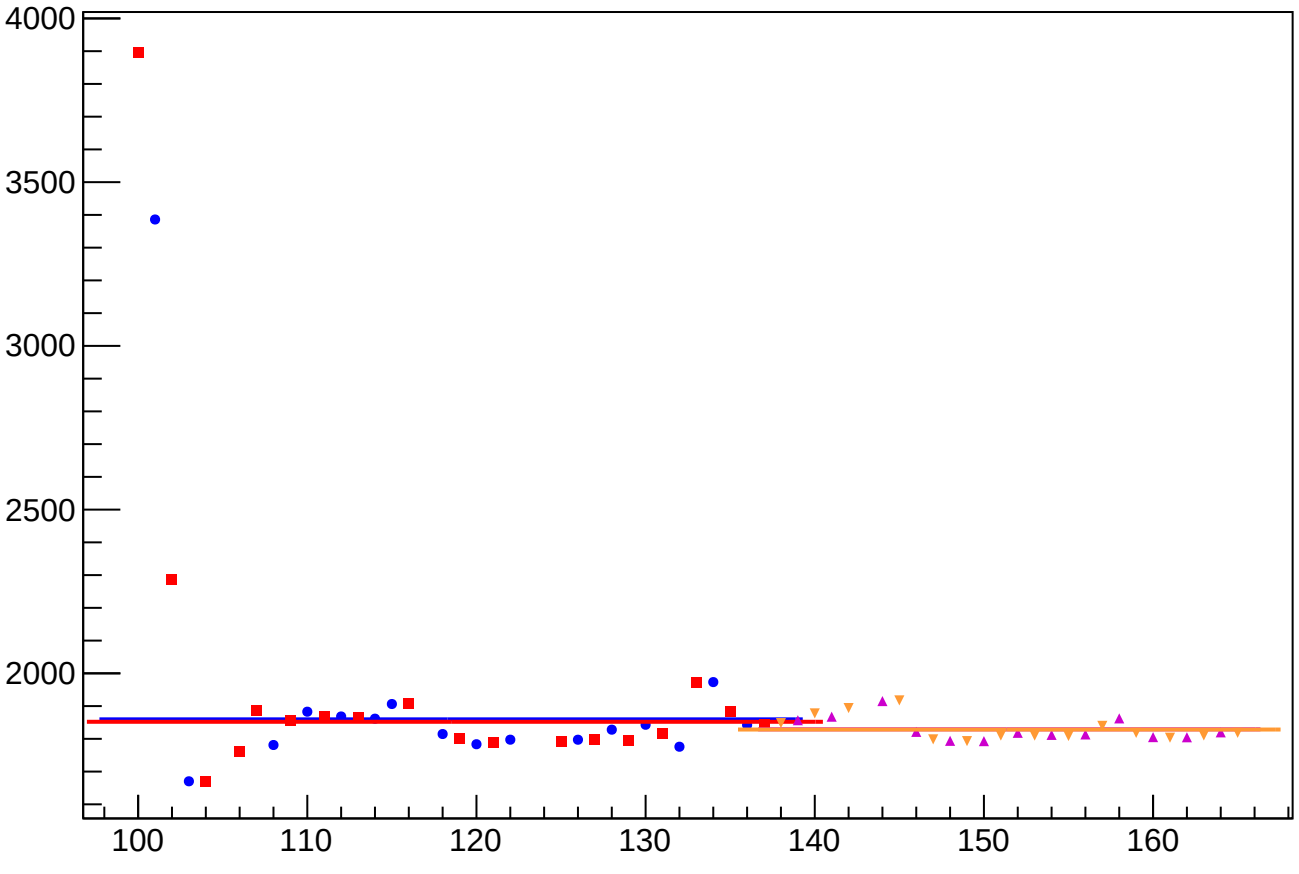
Left: 3983.408+/-390.120 χ^2/NDF: 41.5/26

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

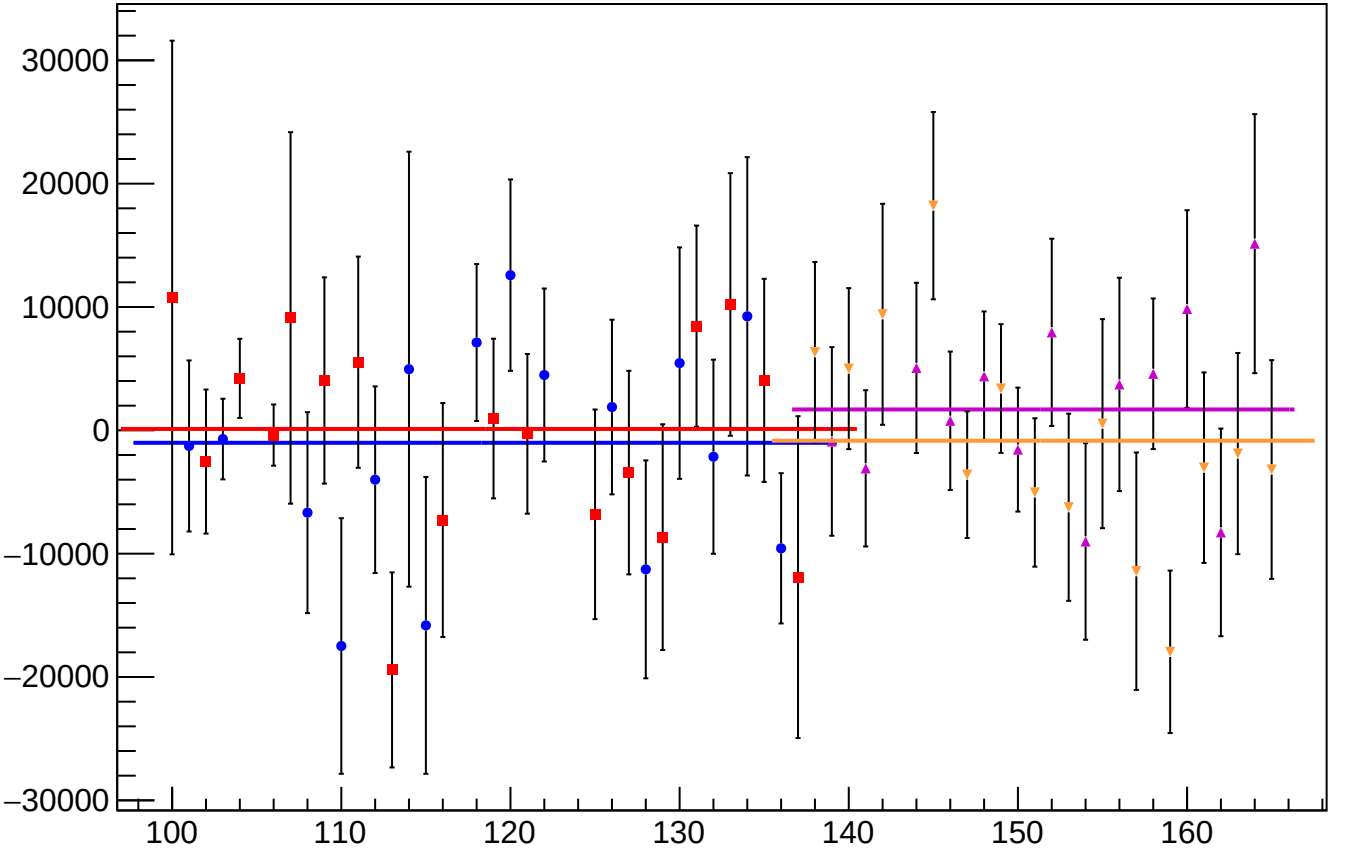
In: 4766.500+/-433.350 χ^2/NDF:31.3/28

Out: 3528.967+/-432.006 χ^2/NDF:30.8/31

All: 4145.812+/-305.948 χ^2/NDF: 66.2/60


reg_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 1859.509+/-0.494 χ²/NDF: 292334.6/15
Left Out: 1828.390+/-0.390 χ²/NDF:8192.5/13
Right Out: 1852.065+/-0.490 χ²/NDF: 102212.5/17
Left In: 1829.030+/-0.391 χ²/NDF:7706.1/12
Left: 1828.709+/-0.276 χ²/NDF: 15900.0/26
Right: 1855.759+/-0.348 χ²/NDF: 394661.4/33
In: 1840.747+/-0.306 χ²/NDF:302382.0/28
Out: 1837.551+/-0.305 χ²/NDF:111833.3/31
All: 1839.142+/-0.216 χ²/NDF: 414269.9/60

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: -844.083+/-1876.796 χ^2/NDF:19.5/13

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1691.470+/-1881.150 χ^2/NDF:8.5/12

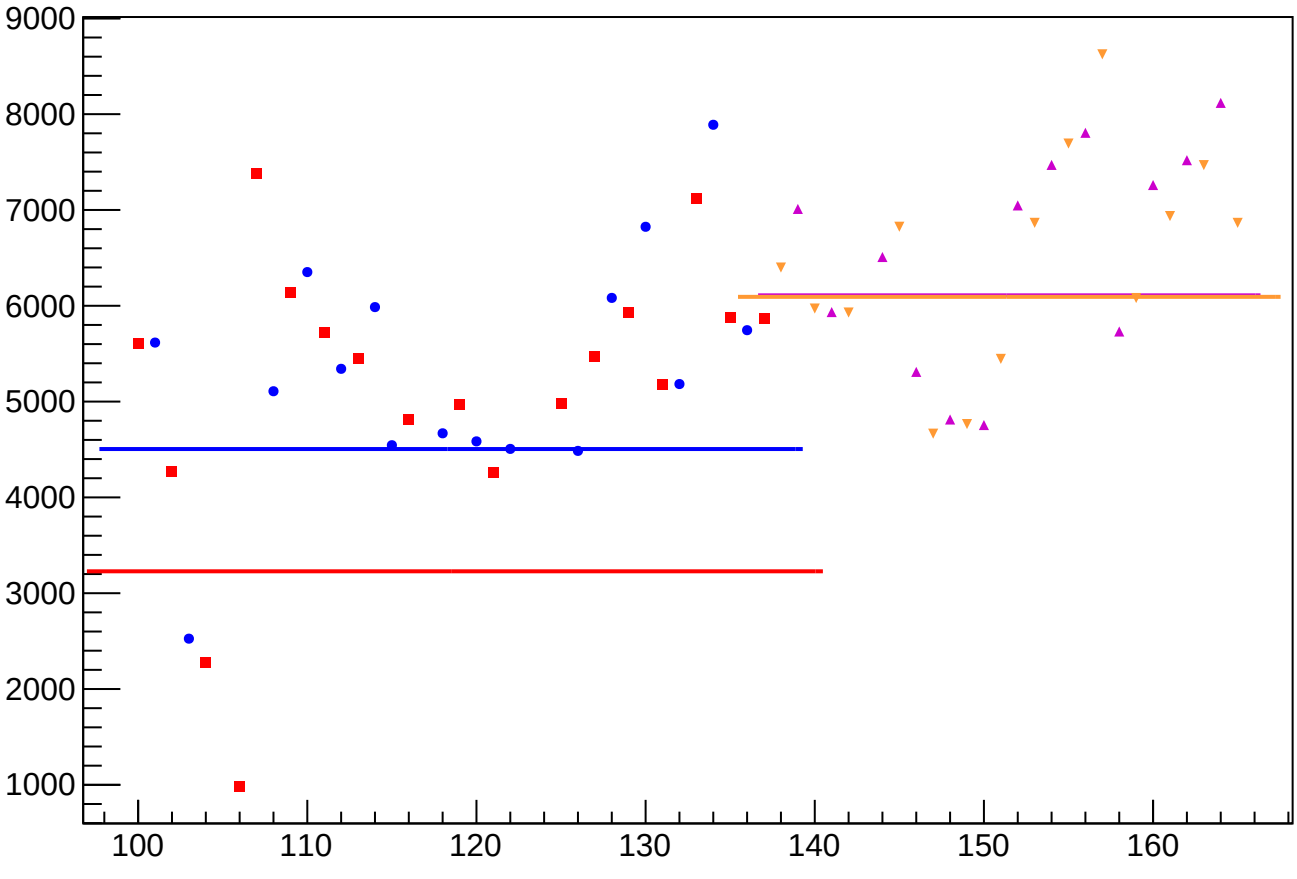
Left: 420.755+/-1328.632 χ^2/NDF: 28.8/26

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 253.987+/-1286.830 χ^2/NDF:24.3/28

Out: -242.285+/-1141.721 χ^2/NDF:34.3/31

All: -23.696+/-854.034 χ^2/NDF: 58.6/60



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6093.213+/-1.327 χ^2/NDF:656977.6/13

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6108.896+/-1.330 χ^2/NDF:687451.6/12

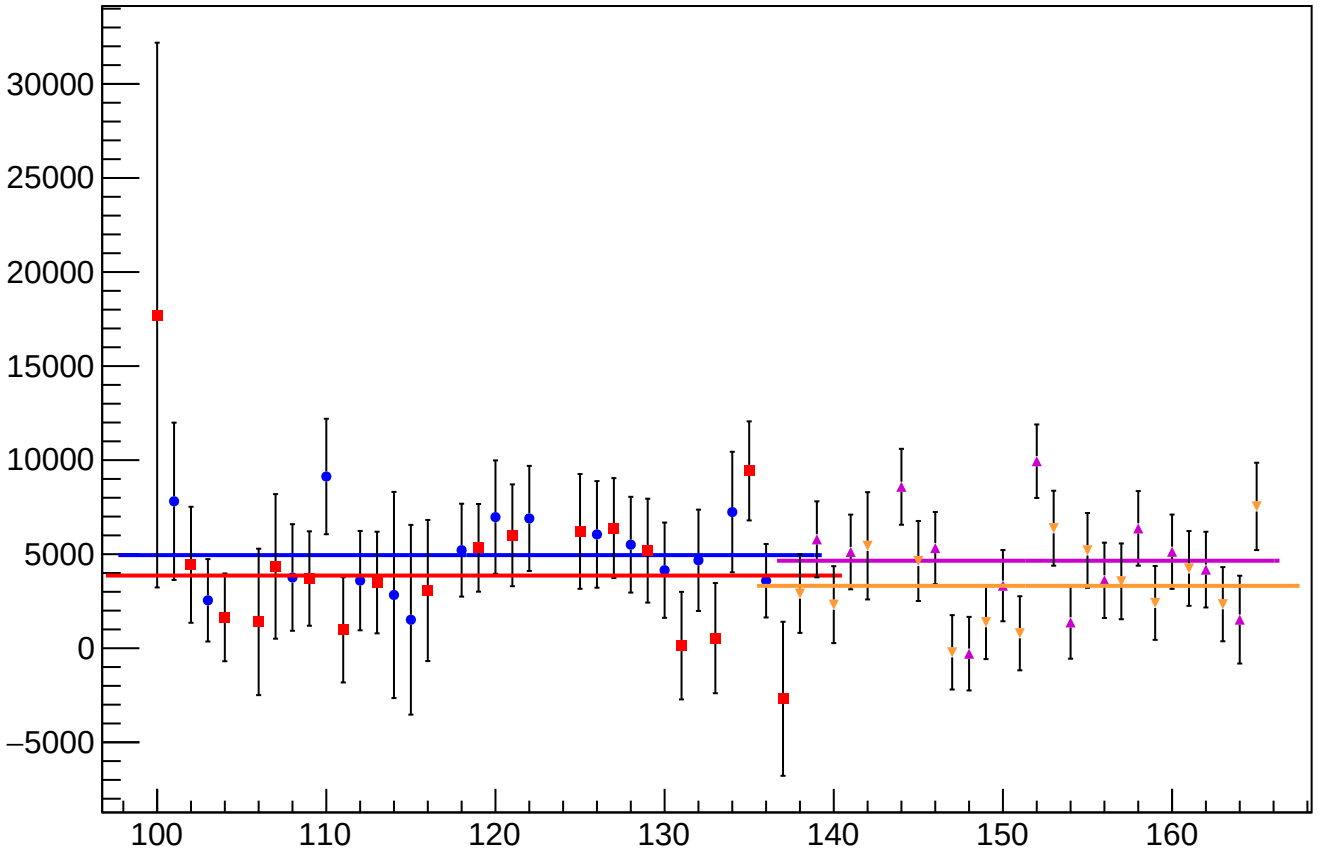
Left: 6101.036+/-0.939 χ^2/NDF: 1344498.8/26

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5255.423+/-0.910 χ^2/NDF:2782316.5/28

Out: 4288.715+/-0.807 χ^2/NDF:7548437.2/31

All: 4714.512+/-0.604 χ^2/NDF: 10962304.7/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3317.959+/-551.102 χ^2/NDF:14.3/13

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4651.850+/-552.325 χ^2/NDF:24.3/12

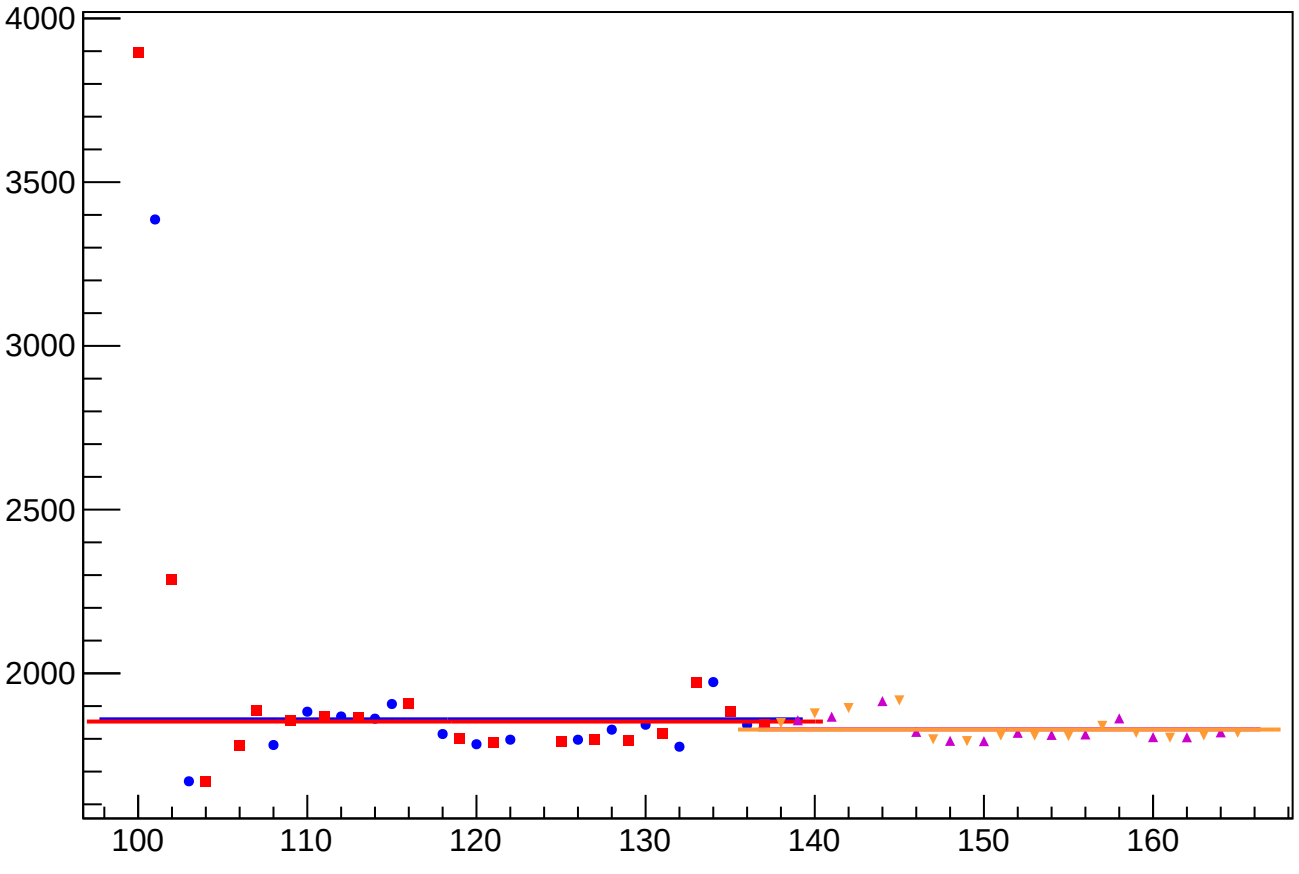
Left: 3983.427+/-390.120 χ^2/NDF: 41.5/26

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4766.401+/-433.350 χ^2/NDF:31.3/28

Out: 3528.822+/-432.006 χ^2/NDF:30.8/31

All: 4145.690+/-305.948 χ^2/NDF: 66.2/60



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.390+/-0.390 χ^2/NDF:8192.5/13

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

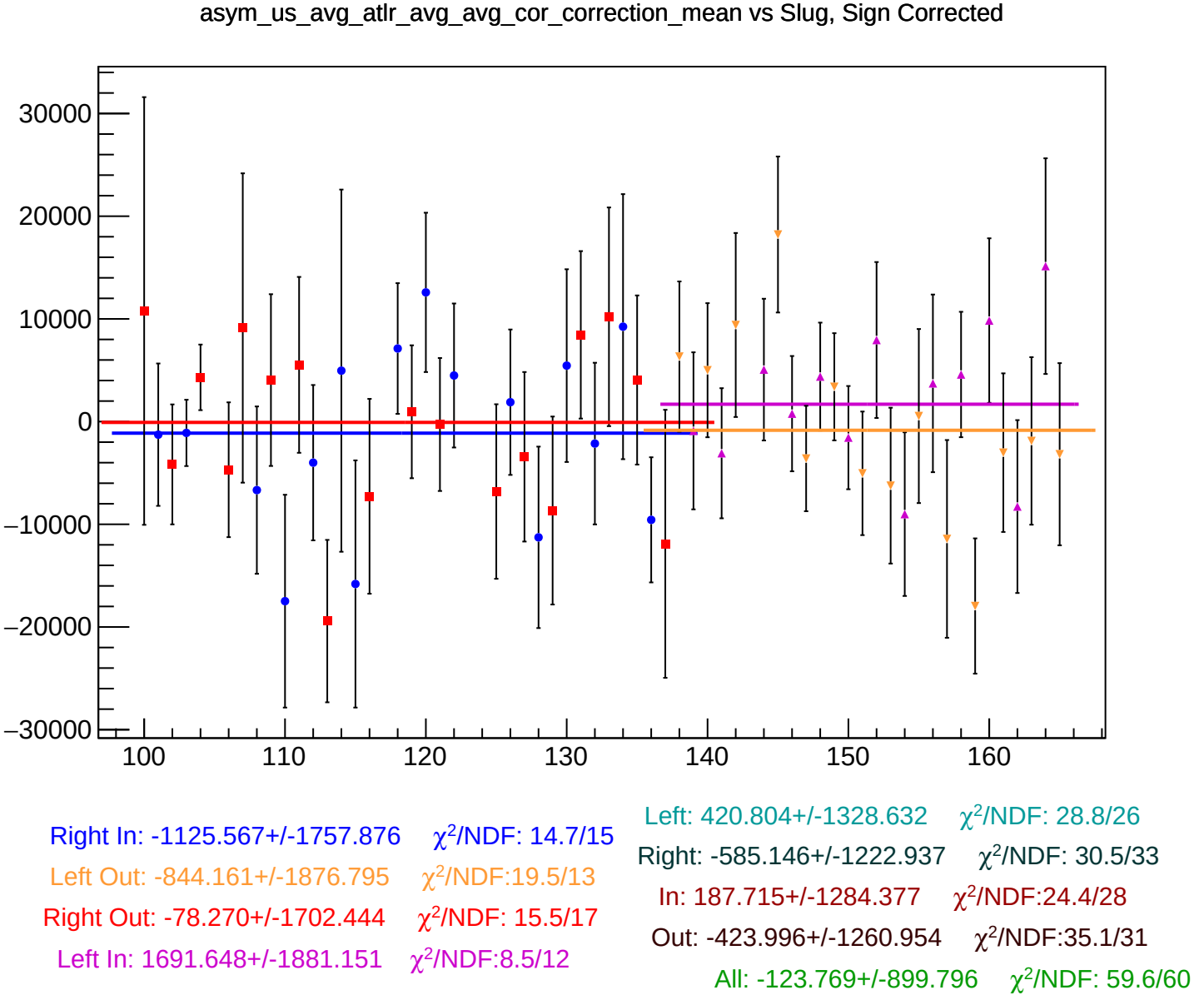
Left: 1828.709+/-0.276 χ^2/NDF: 15900.0/26

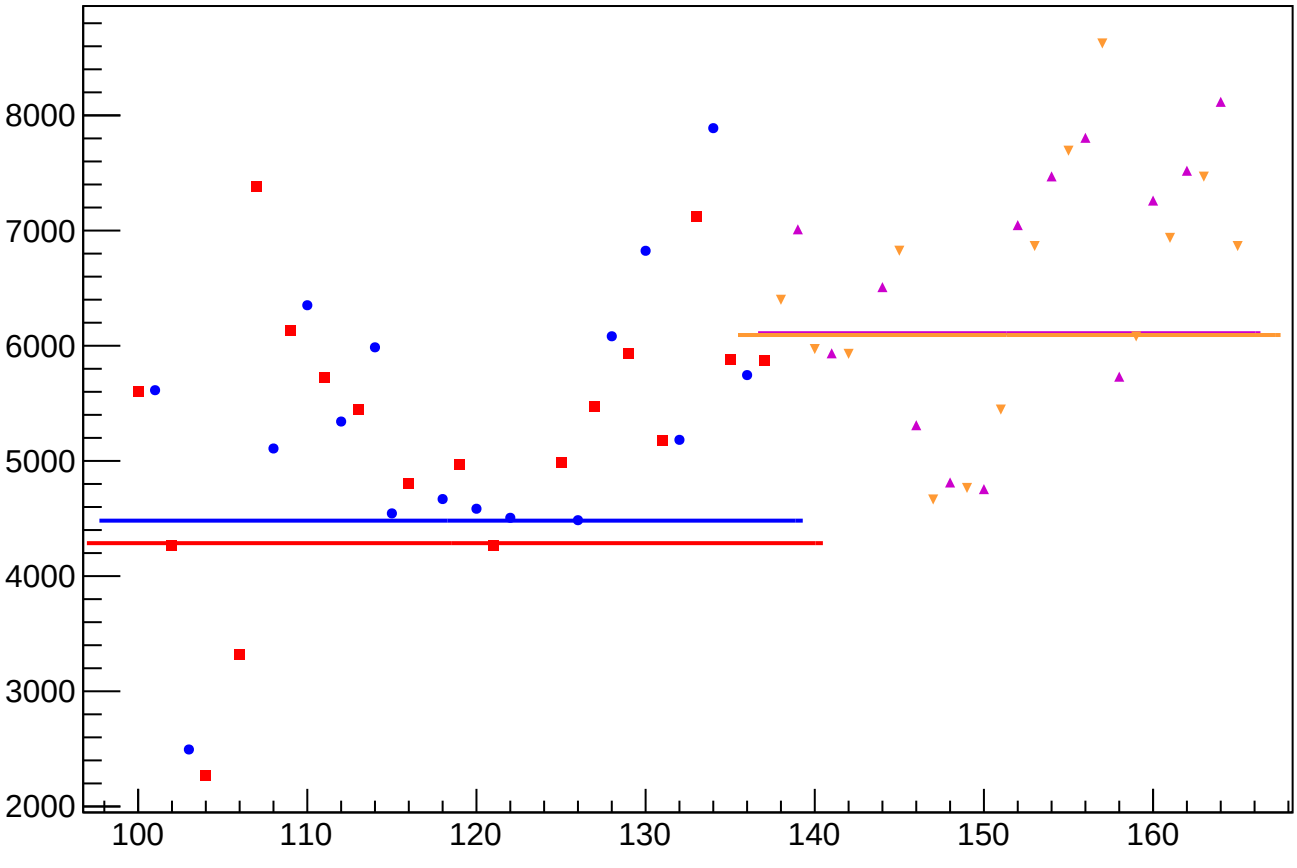
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1840.747+/-0.306 χ^2/NDF:302383.9/28

Out: 1837.821+/-0.305 χ^2/NDF:111457.0/31

All: 1839.278+/-0.216 χ^2/NDF: 413886.7/60


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -844.161+/-1876.795 χ²/NDF:19.5/13
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 1691.648+/-1881.151 χ²/NDF:8.5/12
Left: 420.804+/-1328.632 χ²/NDF: 28.8/26
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: 187.715+/-1284.377 χ²/NDF:24.4/28
Out: -423.996+/-1260.954 χ²/NDF:35.1/31
All: -123.769+/-899.796 χ²/NDF: 59.6/60



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6093.209+/-1.327 χ^2/NDF:656985.7/13

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

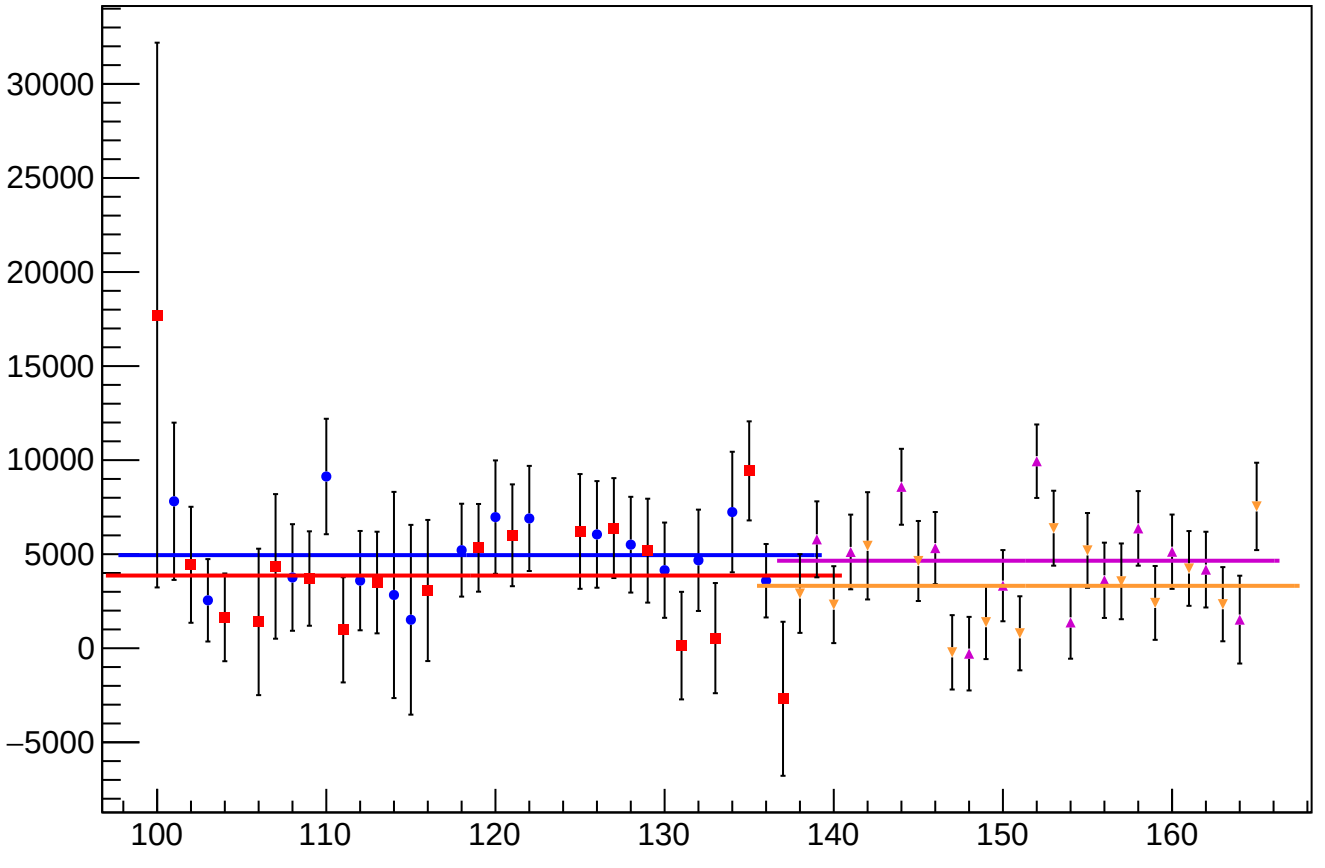
Left: 6101.034+/-0.939 χ^2/NDF: 1344514.2/26

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5240.142+/-0.908 χ^2/NDF:2848753.2/28

Out: 5101.849+/-0.892 χ^2/NDF:3224037.2/31

All: 5169.723+/-0.636 χ^2/NDF: 6084597.2/60



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3317.959+/-551.102 χ^2/NDF:14.3/13

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4651.850+/-552.325 χ^2/NDF:24.3/12

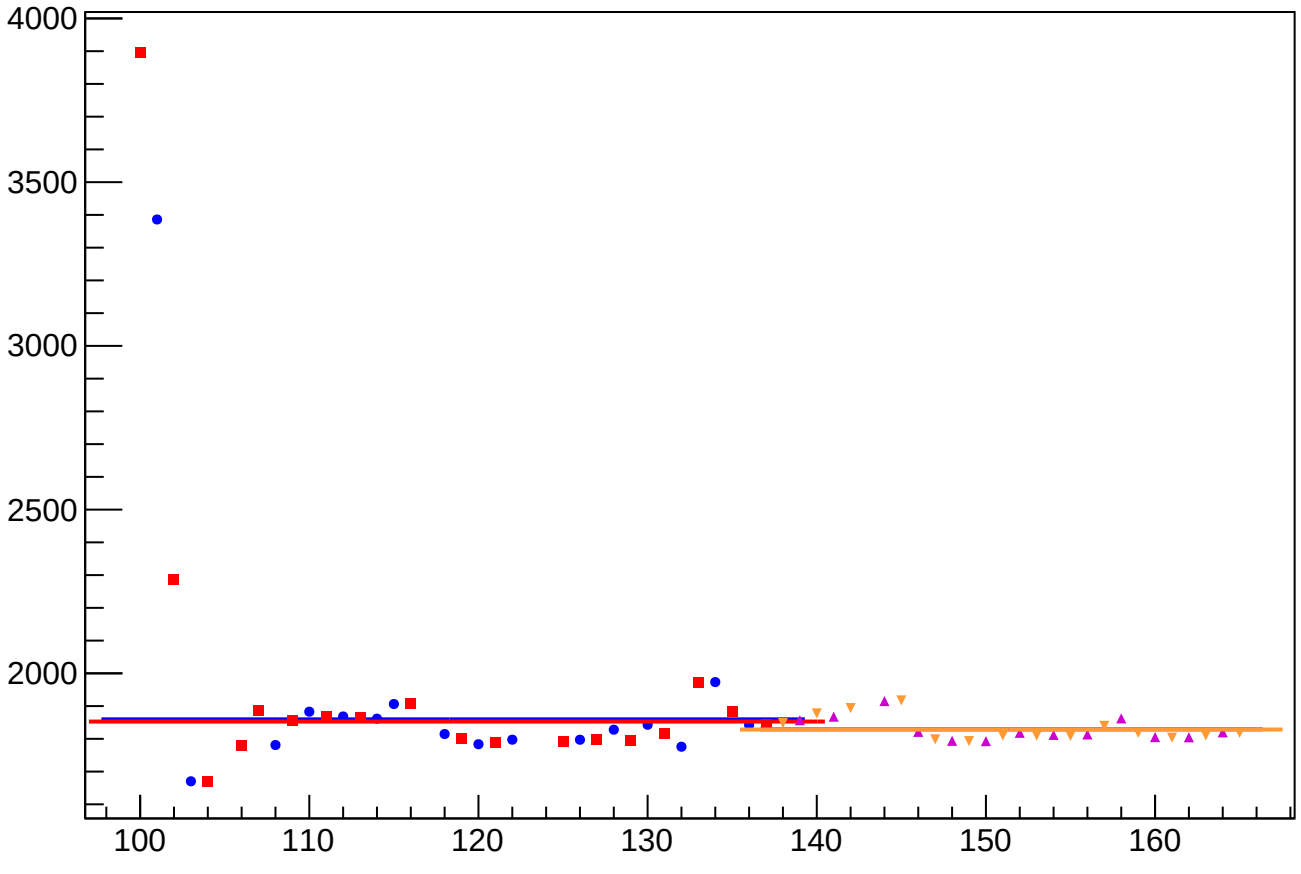
Left: 3983.427+/-390.120 χ^2/NDF: 41.5/26

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4766.401+/-433.350 χ^2/NDF:31.3/28

Out: 3528.822+/-432.006 χ^2/NDF:30.8/31

All: 4145.690+/-305.948 χ^2/NDF: 66.2/60


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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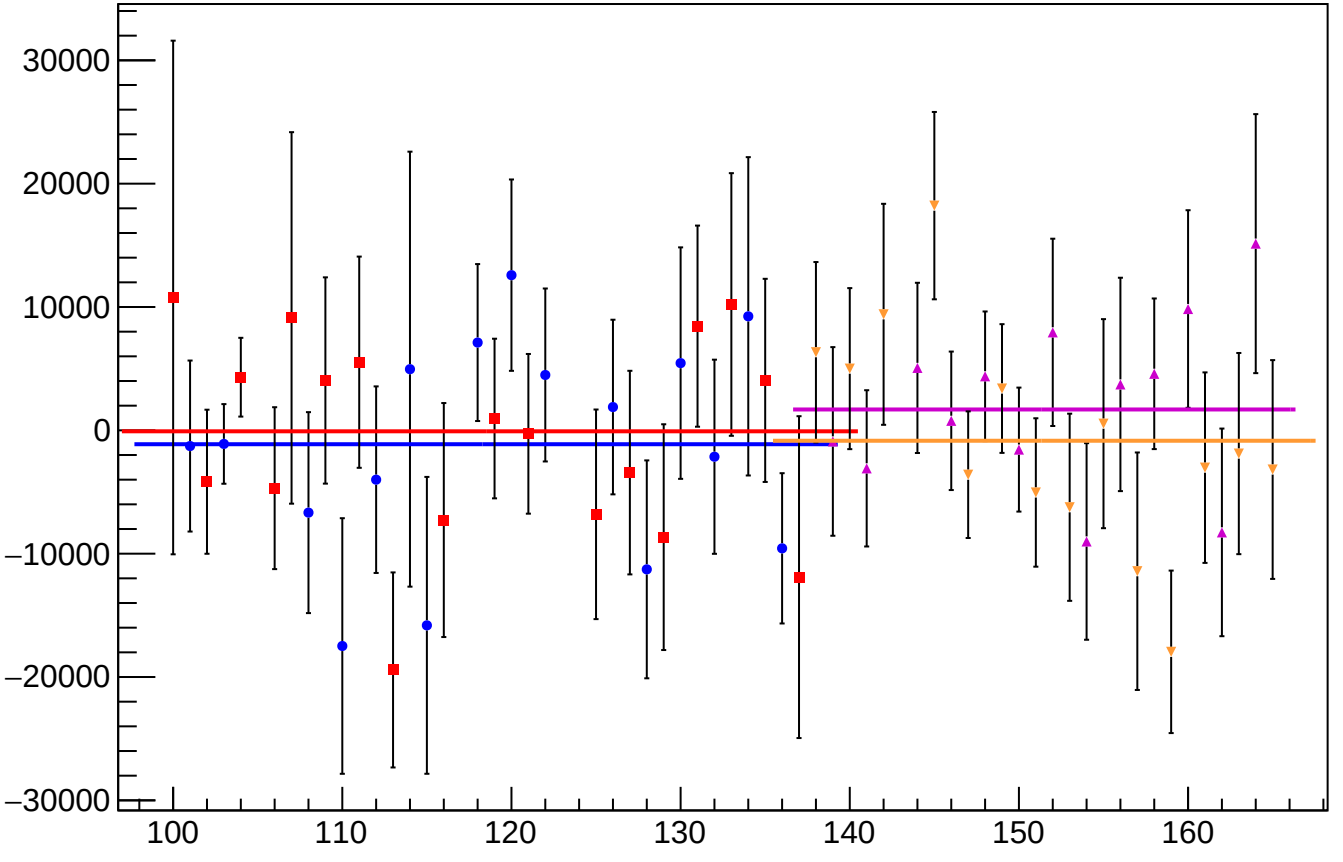
130
140
150
160
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1828.390+/-0.390 χ²/NDF:8192.5/13
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1829.030+/-0.391 χ²/NDF:7706.1/12
Left: 1828.709+/-0.276 χ²/NDF: 15900.0/26
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1840.747+/-0.306 χ²/NDF:302383.9/28
Out: 1837.821+/-0.305 χ²/NDF:111457.0/31
All: 1839.278+/-0.216 χ²/NDF: 413886.7/60

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: -844.161+/-1876.795 χ^2/NDF:19.5/13

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1691.648+/-1881.151 χ^2/NDF:8.5/12

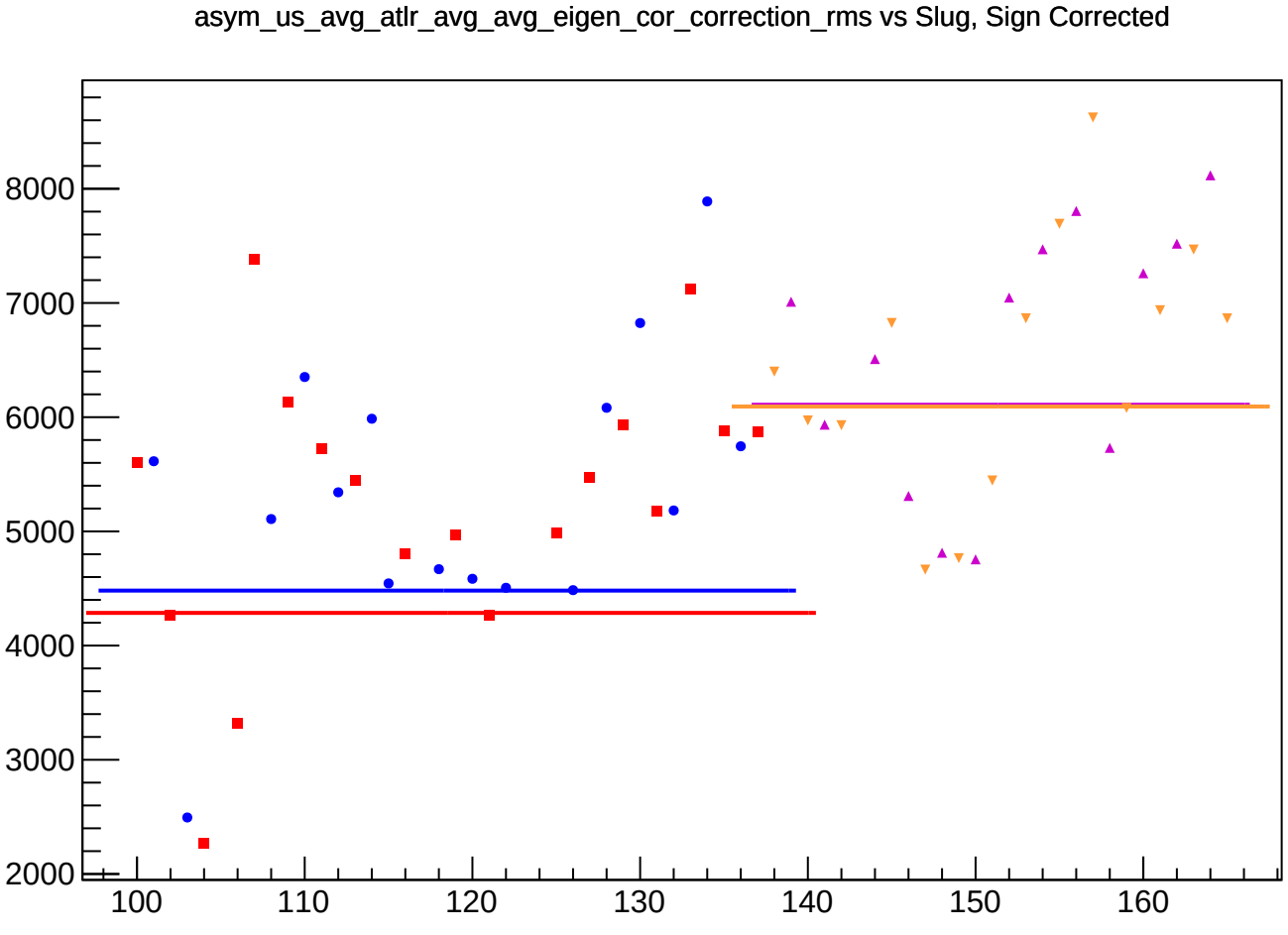
Left: 420.804+/-1328.632 χ^2/NDF: 28.8/26

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 187.715+/-1284.377 χ^2/NDF:24.4/28

Out: -423.996+/-1260.954 χ^2/NDF:35.1/31

All: -123.769+/-899.796 χ^2/NDF: 59.6/60



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6093.209+/-1.327 χ^2/NDF:656985.7/13

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

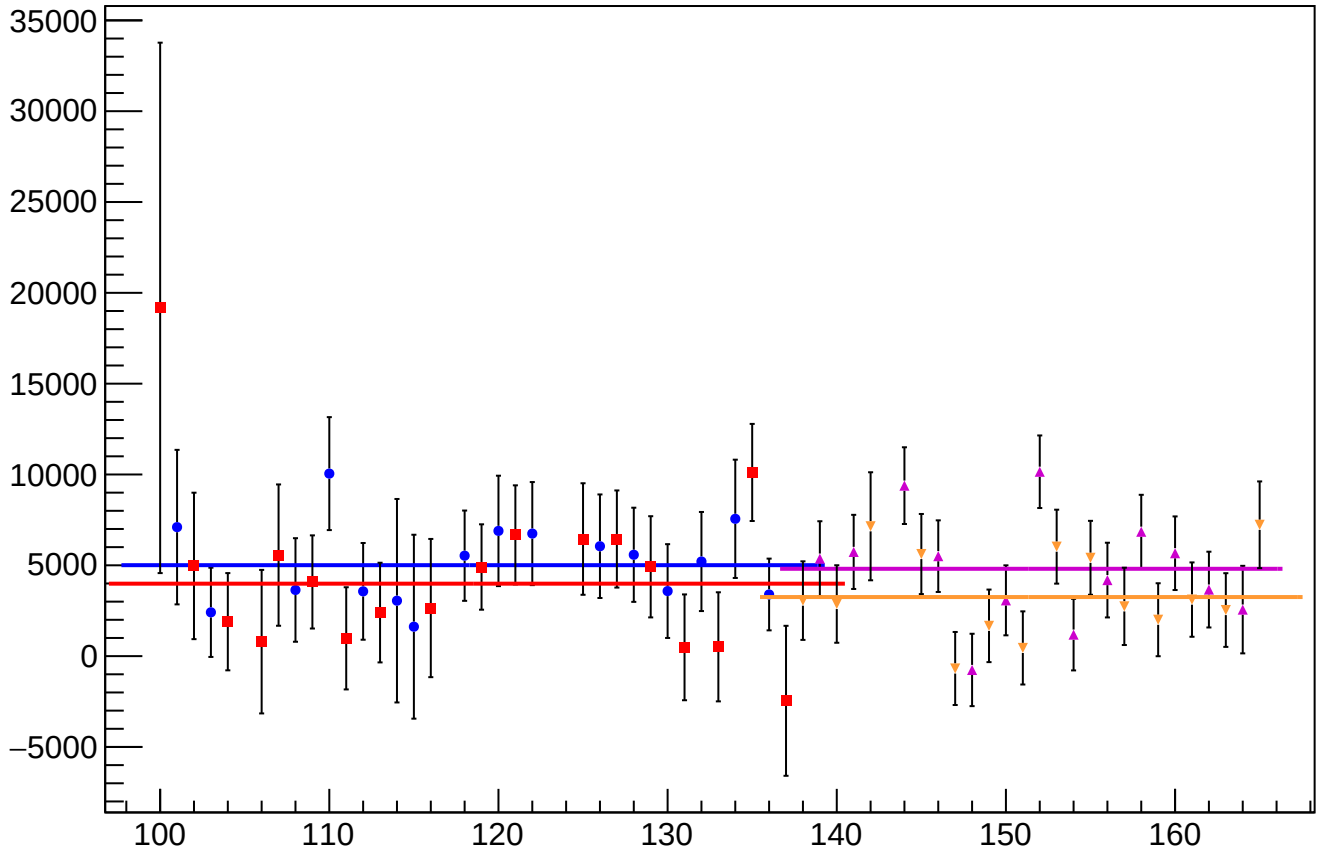
Left: 6101.034+/-0.939 χ^2/NDF: 1344514.2/26

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5240.142+/-0.908 χ^2/NDF:2848753.2/28

Out: 5101.849+/-0.892 χ^2/NDF:3224037.2/31

All: 5169.723+/-0.636 χ^2/NDF: 6084597.2/60



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3252.273+/-567.435 χ^2/NDF:15.6/13

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4808.137+/-566.889 χ^2/NDF:26.7/12

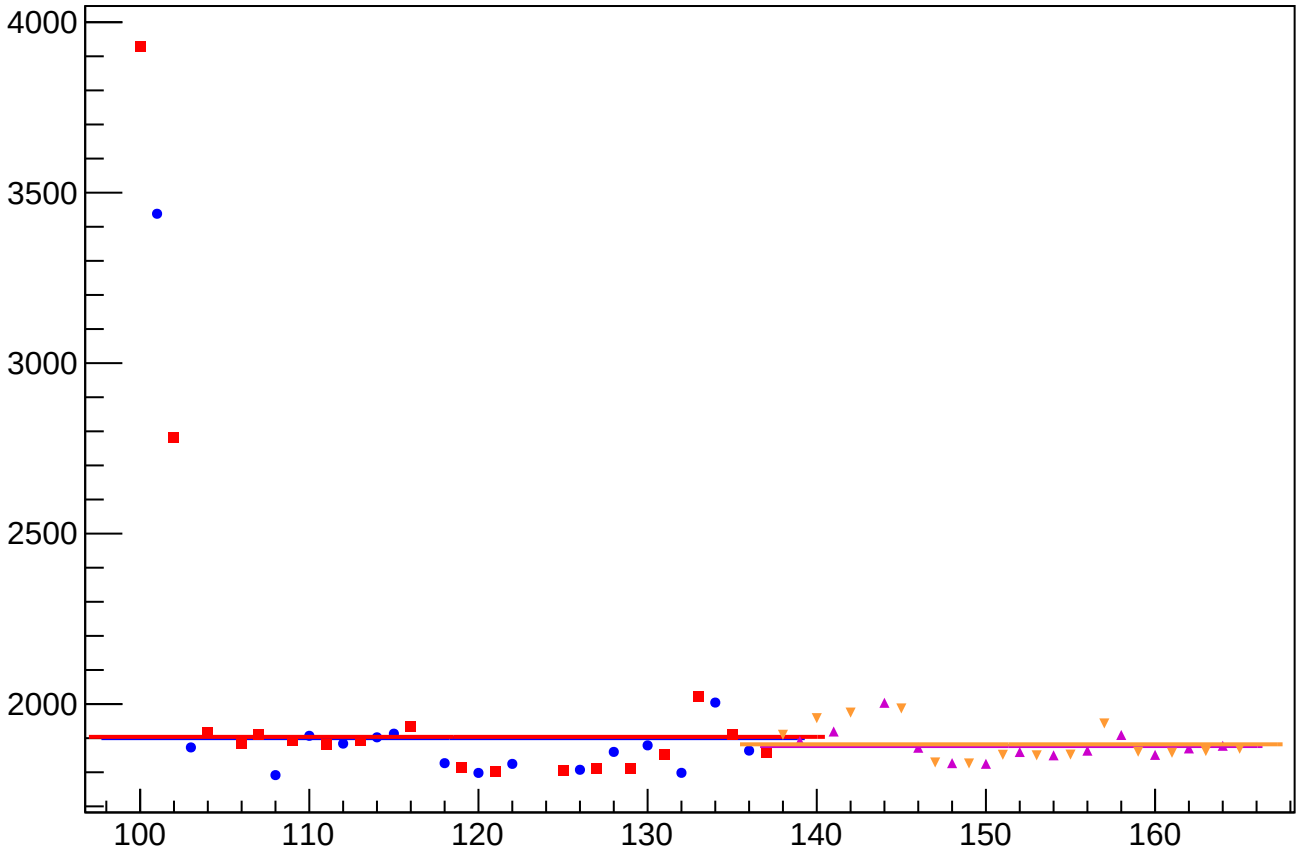
Left: 4030.955+/-401.044 χ^2/NDF: 46.1/26

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4885.140+/-443.985 χ^2/NDF:34.4/28

Out: 3535.088+/-445.435 χ^2/NDF:33.7/31

All: 4212.315+/-314.456 χ^2/NDF: 72.7/60


dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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150
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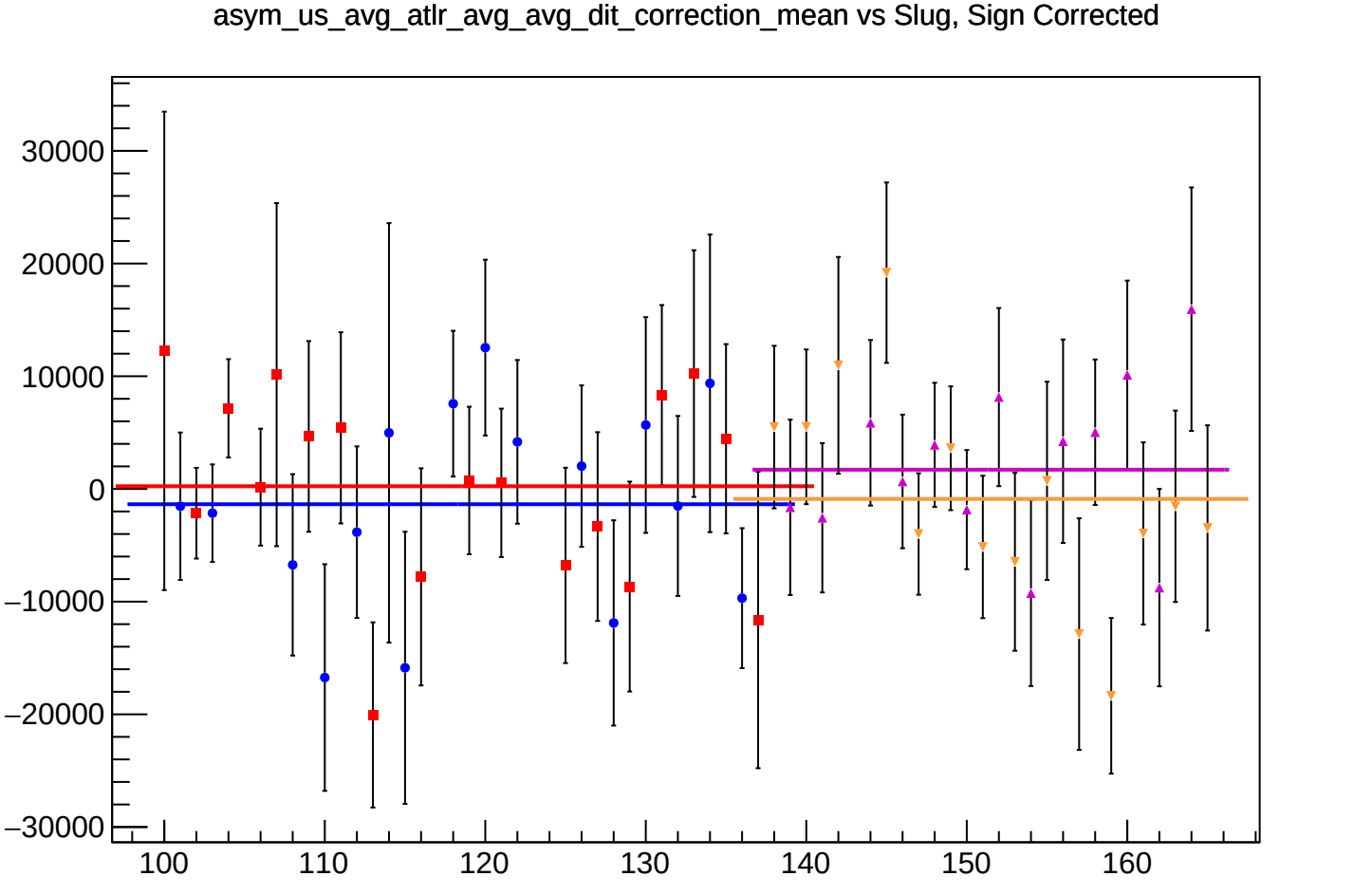
Right In: 1900.111+/-0.505 χ²/NDF: 278448.2/15
Left Out: 1882.002+/-0.401 χ²/NDF:16252.5/13
Right Out: 1903.827+/-0.508 χ²/NDF: 150115.8/17
Left In: 1876.895+/-0.401 χ²/NDF:12418.4/12
Left: 1879.446+/-0.284 χ²/NDF: 28752.0/26
Right: 1901.958+/-0.358 χ²/NDF: 428591.0/33
In: 1885.870+/-0.314 χ²/NDF:292163.5/28
Out: 1890.389+/-0.315 χ²/NDF:167505.3/31
All: 1888.123+/-0.222 χ²/NDF: 459772.1/60



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -889.093+/-1960.434 χ^2/NDF:19.4/13

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1707.372+/-1969.018 χ^2/NDF:8.5/12

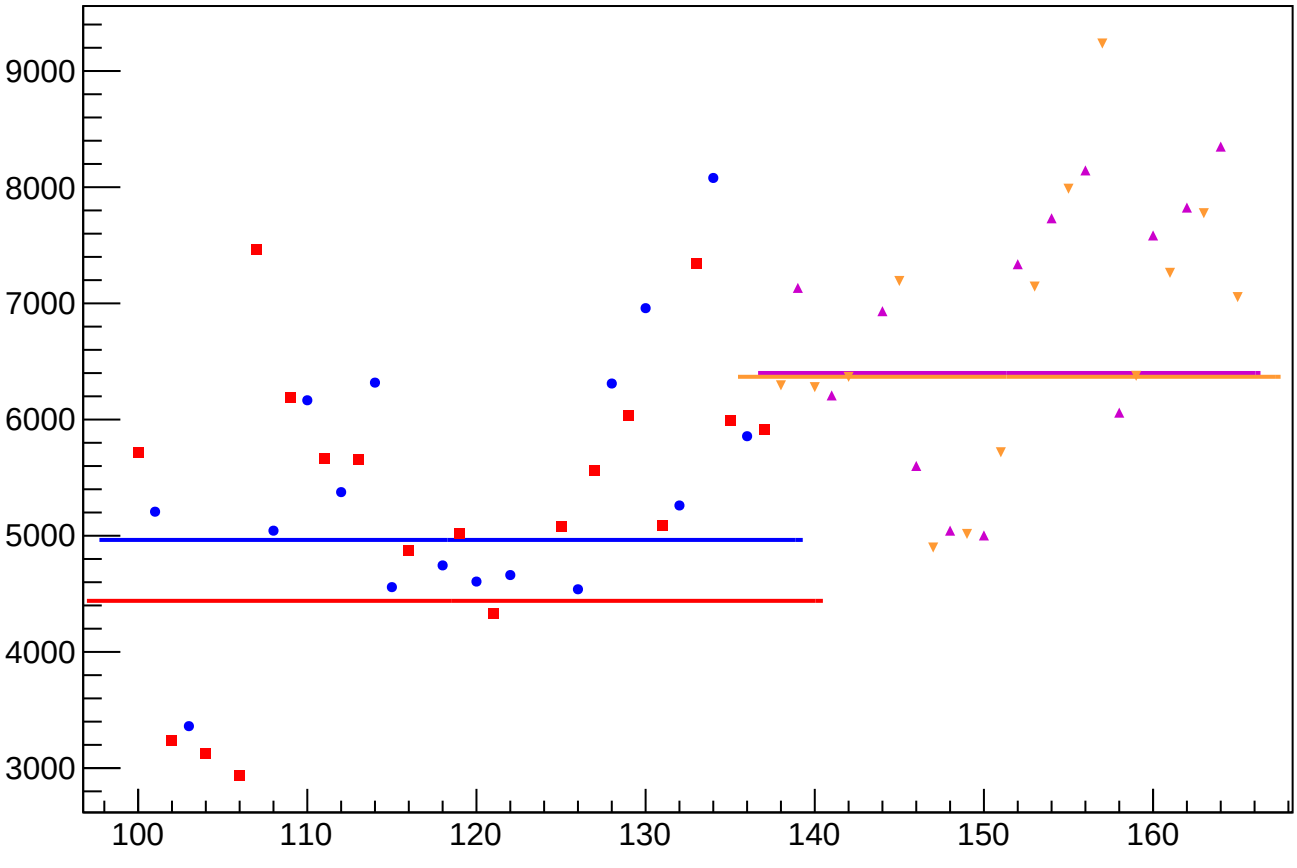
Left: 403.467+/-1389.261 χ^2/NDF: 28.8/26

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 117.506+/-1365.755 χ^2/NDF:24.5/28

Out: -248.080+/-1289.803 χ^2/NDF:35.4/31

All: -75.734+/-937.730 χ^2/NDF: 59.9/60



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6368.167+/-1.386 χ^2/NDF:646834.9/13

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6400.872+/-1.392 χ^2/NDF:646045.4/12

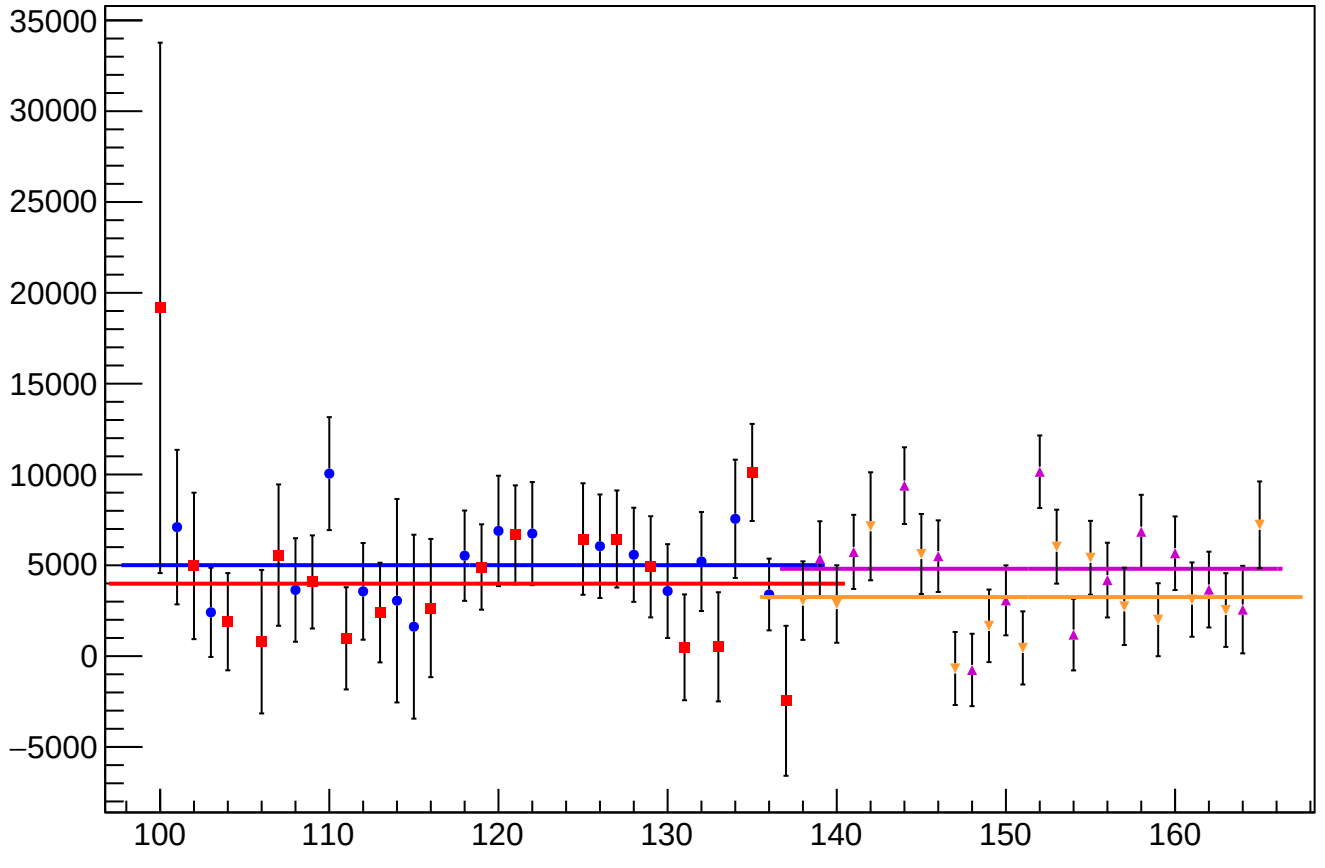
Left: 6384.448+/-0.982 χ^2/NDF: 1293157.4/26

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5655.295+/-0.966 χ^2/NDF:1826061.0/28

Out: 5274.432+/-0.912 χ^2/NDF:2902972.8/31

All: 5453.979+/-0.663 χ^2/NDF: 4811245.1/60



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3252.262+/-567.436 χ^2/NDF:15.6/13

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4808.141+/-566.889 χ^2/NDF:26.7/12

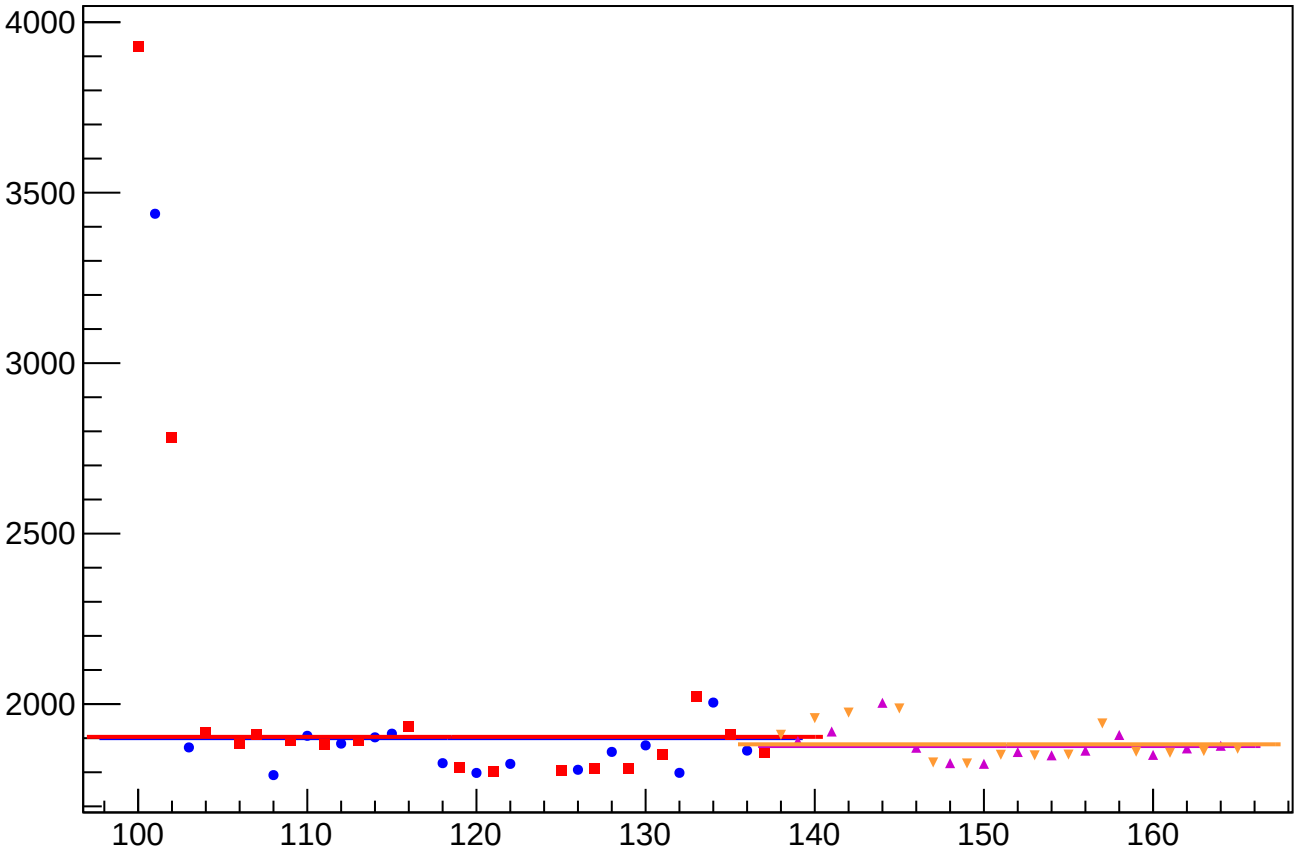
Left: 4030.951+/-401.044 χ^2/NDF: 46.1/26

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4885.142+/-443.985 χ^2/NDF:34.4/28

Out: 3535.081+/-445.435 χ^2/NDF:33.7/31

All: 4212.312+/-314.456 χ^2/NDF: 72.7/60


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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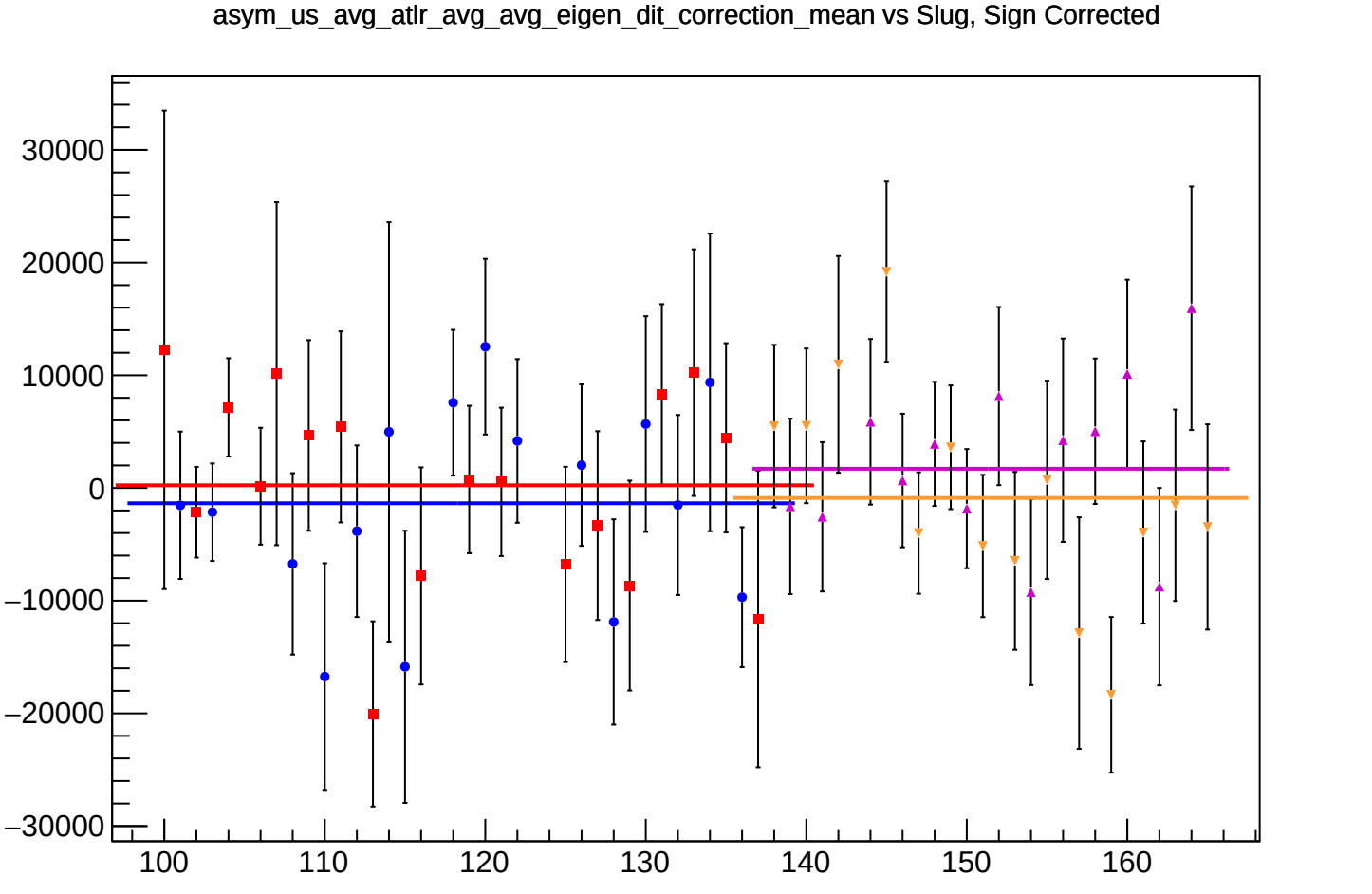
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1882.004+/-0.401 χ²/NDF:16252.7/13
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1876.896+/-0.401 χ²/NDF:12418.6/12
Left: 1879.448+/-0.284 χ²/NDF: 28752.3/26
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1885.871+/-0.314 χ²/NDF:292163.7/28
Out: 1890.390+/-0.315 χ²/NDF:167504.5/31
All: 1888.124+/-0.222 χ²/NDF: 459771.5/60



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -889.102+/-1960.438 χ^2/NDF:19.4/13

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1707.372+/-1969.021 χ^2/NDF:8.5/12

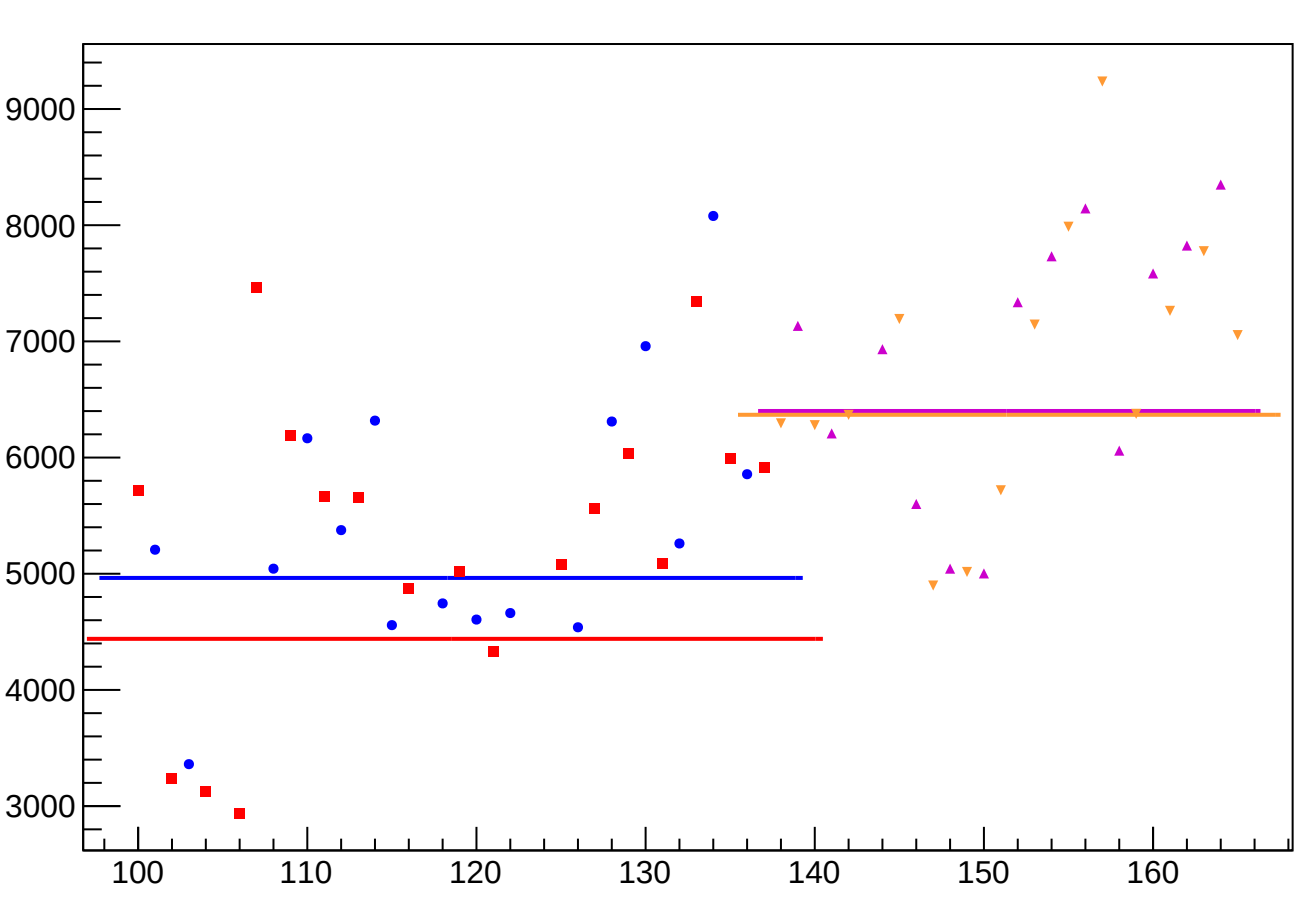
Left: 403.463+/-1389.264 χ^2/NDF: 28.8/26

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: 117.505+/-1365.754 χ^2/NDF:24.5/28

Out: -248.080+/-1289.802 χ^2/NDF:35.4/31

All: -75.735+/-937.730 χ^2/NDF: 59.9/60



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6368.176+/-1.386 χ^2/NDF:646837.3/13

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6400.881+/-1.392 χ^2/NDF:646046.9/12

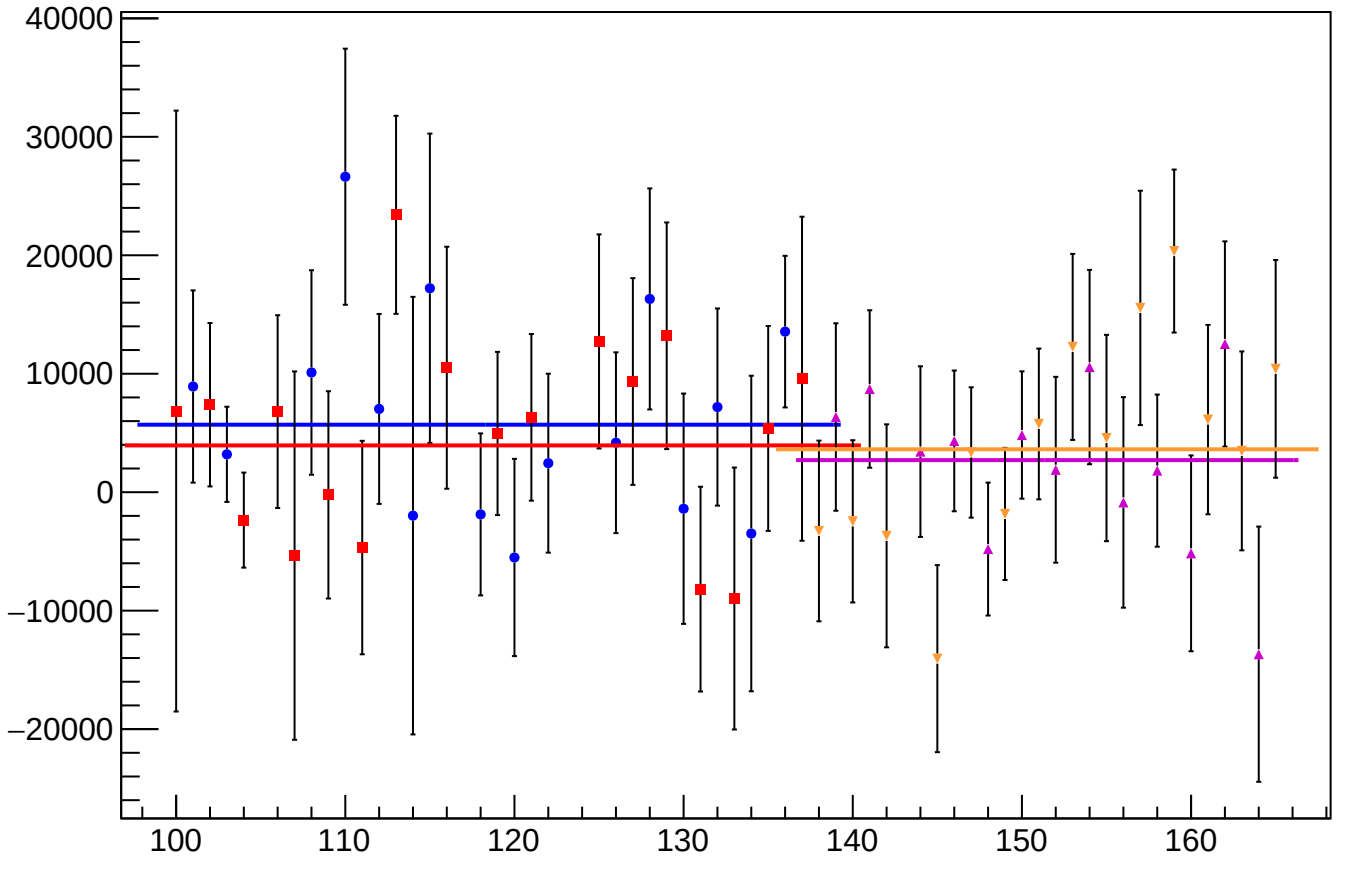
Left: 6384.457+/-0.982 χ^2/NDF: 1293161.3/26

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5655.290+/-0.966 χ^2/NDF:1826082.7/28

Out: 5274.426+/-0.912 χ^2/NDF:2902999.2/31

All: 5453.974+/-0.663 χ^2/NDF: 4811293.8/60



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3622.902+/-1968.221 χ^2/NDF:17.5/13

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2707.260+/-1971.754 χ^2/NDF:8.7/12

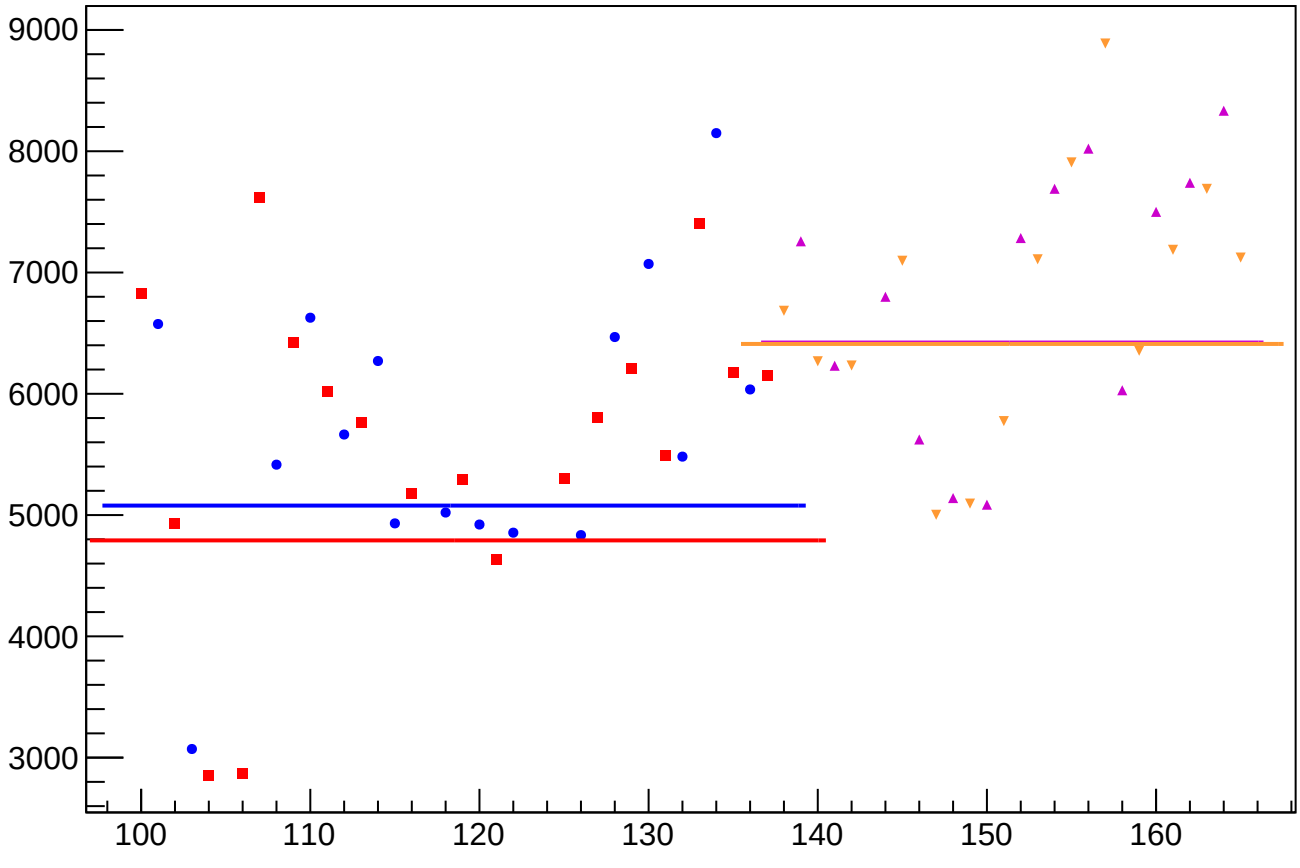
Left: 3165.902+/-1392.990 χ^2/NDF: 26.3/26

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4211.777+/-1389.786 χ^2/NDF:22.5/28

Out: 3790.147+/-1374.590 χ^2/NDF:33.7/31

All: 3998.644+/-977.310 χ^2/NDF: 56.2/60



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6411.036+/-1.392 χ^2/NDF:559515.8/13

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6422.542+/-1.394 χ^2/NDF:581287.8/12

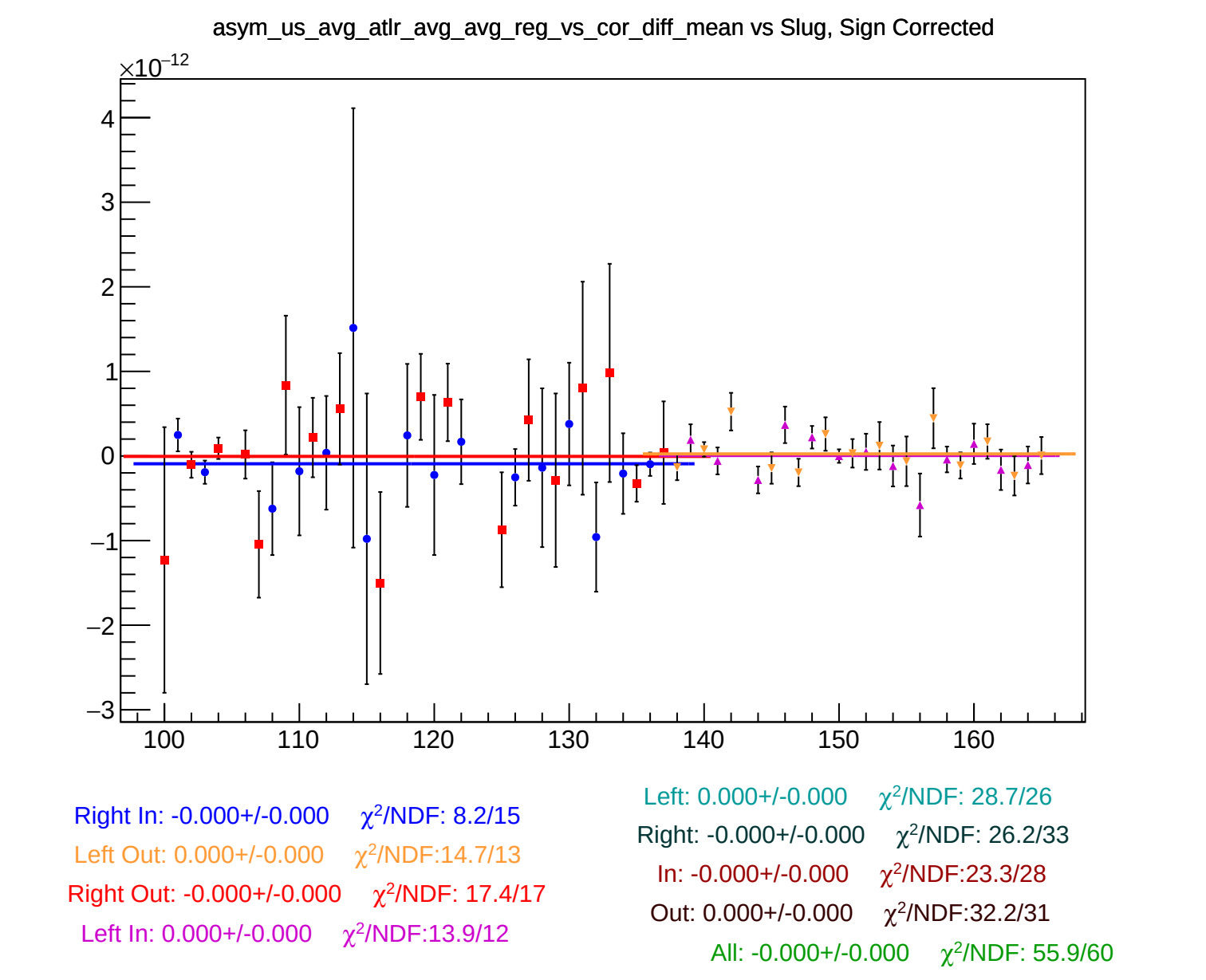
Left: 6416.779+/-0.985 χ^2/NDF: 1140837.8/26

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5746.050+/-0.983 χ^2/NDF:1968352.2/28

Out: 5564.795+/-0.962 χ^2/NDF:2429688.0/31

All: 5653.473+/-0.687 χ^2/NDF: 4415415.4/60


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
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−1
−2
−3
100
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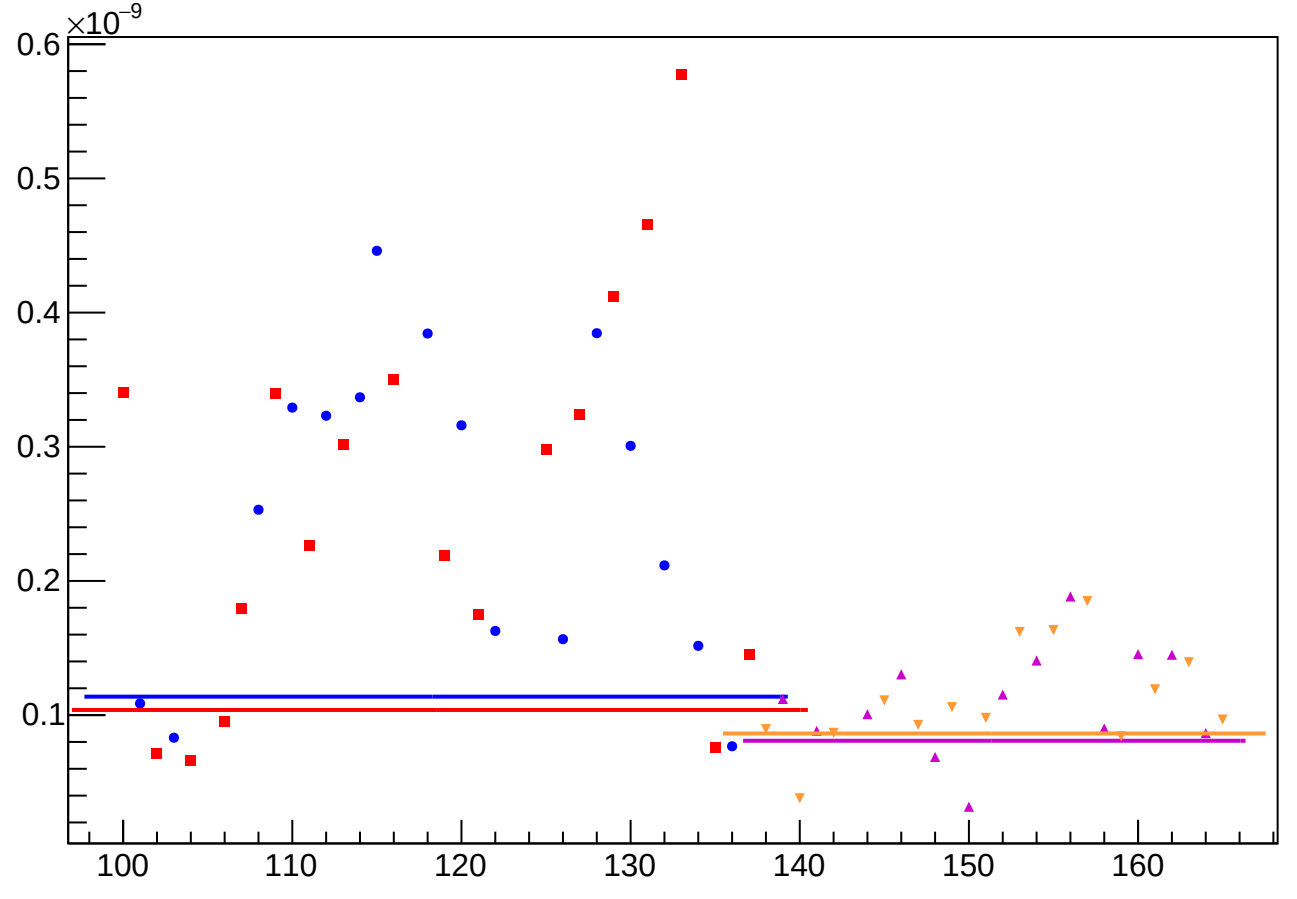
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/13
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:13.9/12
Left: 0.000+/-0.000 χ²/NDF: 28.7/26
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:23.3/28
Out: 0.000+/-0.000 χ²/NDF:32.2/31
All: -0.000+/-0.000 χ²/NDF: 55.9/60

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:1301602.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1612625.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2928189.6/26

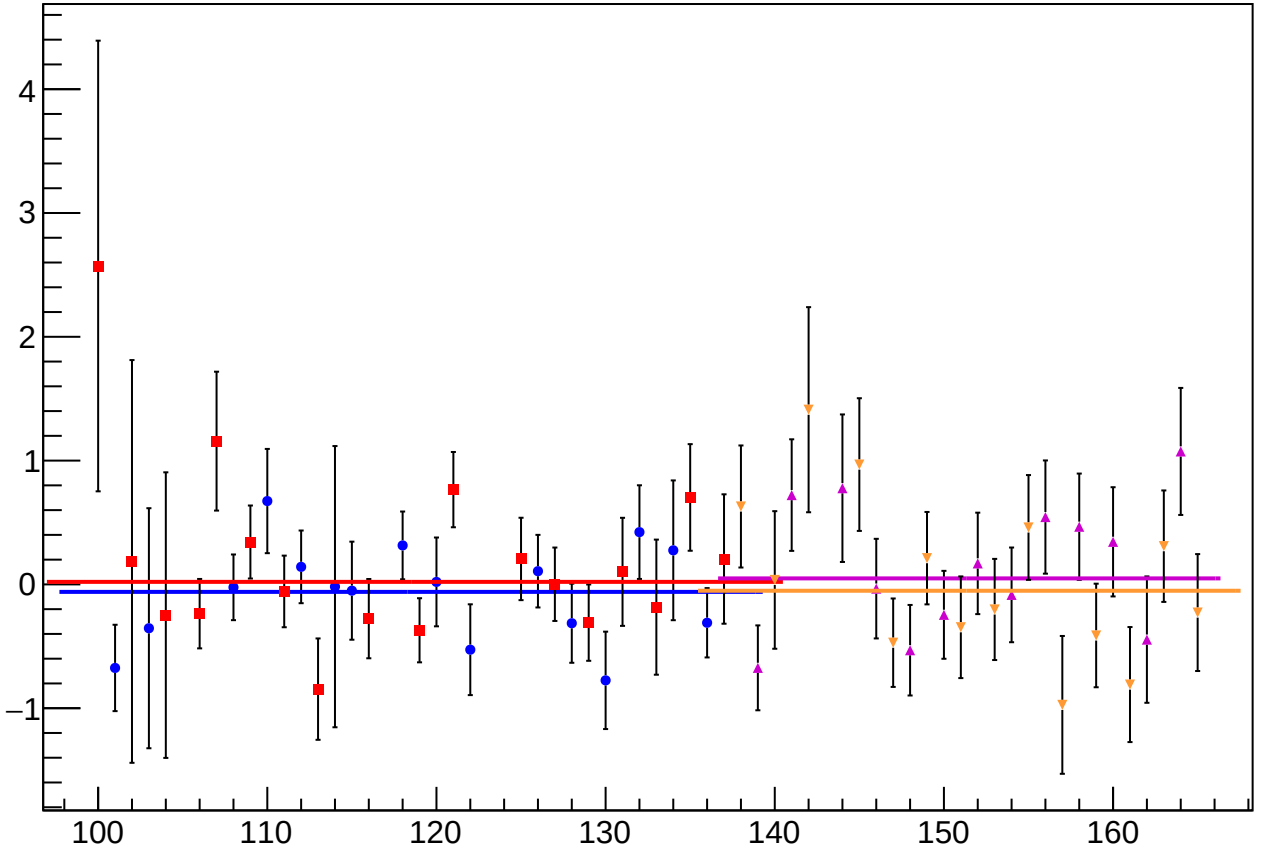
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3403892.9/28

Out: 0.000+/-0.000 χ^2/NDF:3464893.5/31

All: 0.000+/-0.000 χ^2/NDF: 6870816.8/60

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.001+/-0.084 χ^2/NDF: 39.1/26

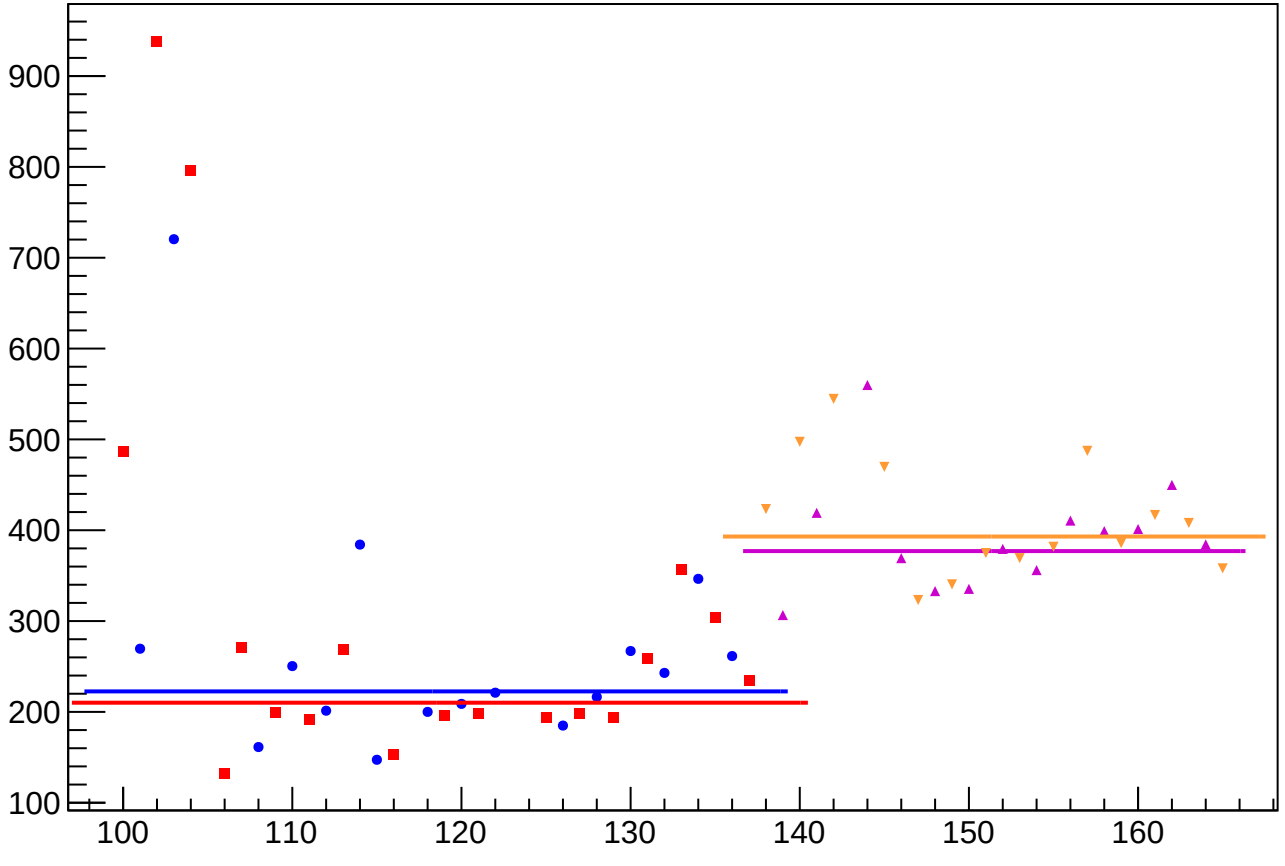
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.012+/-0.050 χ^2/NDF: 82.9/60

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.069+/-0.086 χ^2/NDF:390822.2/13

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

Left: 384.727+/-0.059 χ^2/NDF: 825632.0/26

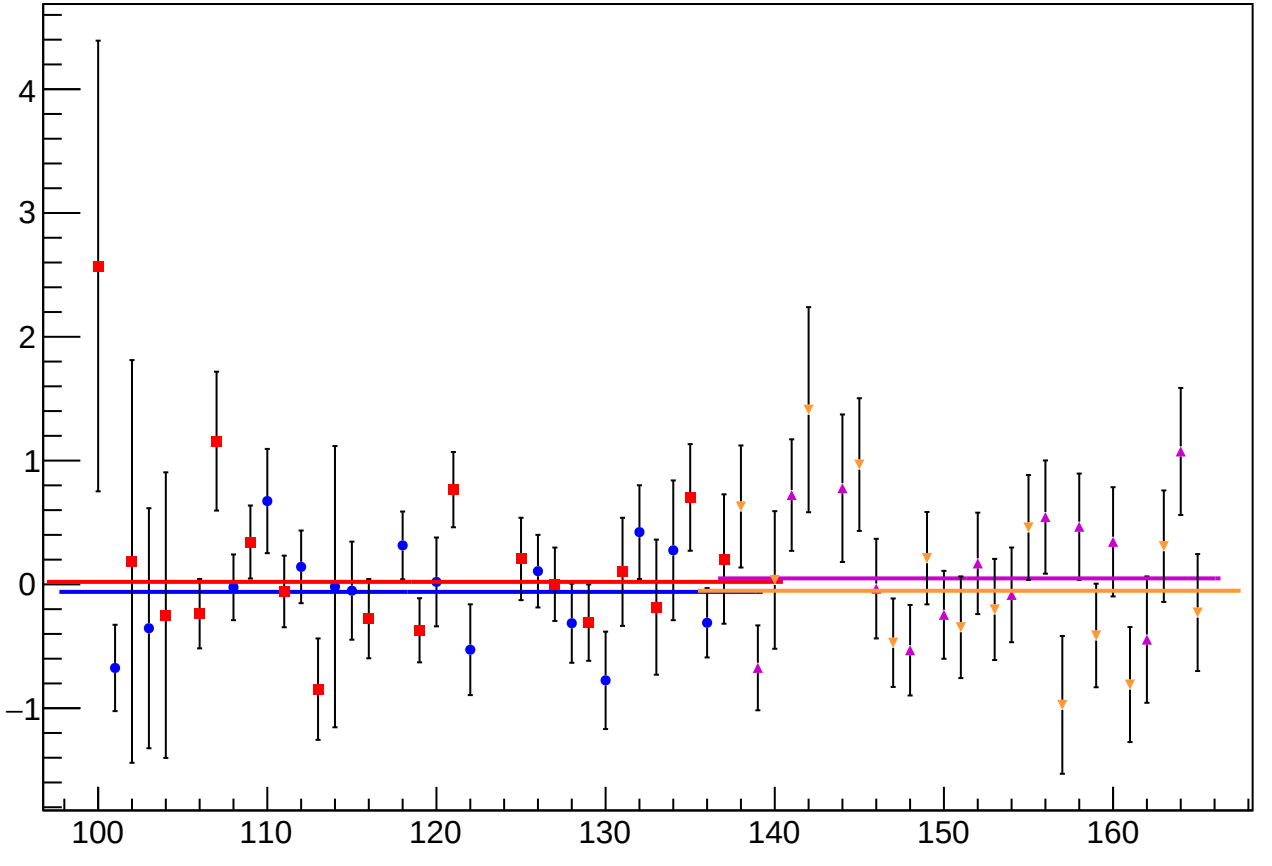
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.192+/-0.050 χ^2/NDF:3661050.7/28

Out: 272.579+/-0.050 χ^2/NDF:4928949.9/31

All: 275.904+/-0.035 χ^2/NDF: 8598734.5/60

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: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.001+/-0.084 χ^2/NDF: 39.1/26

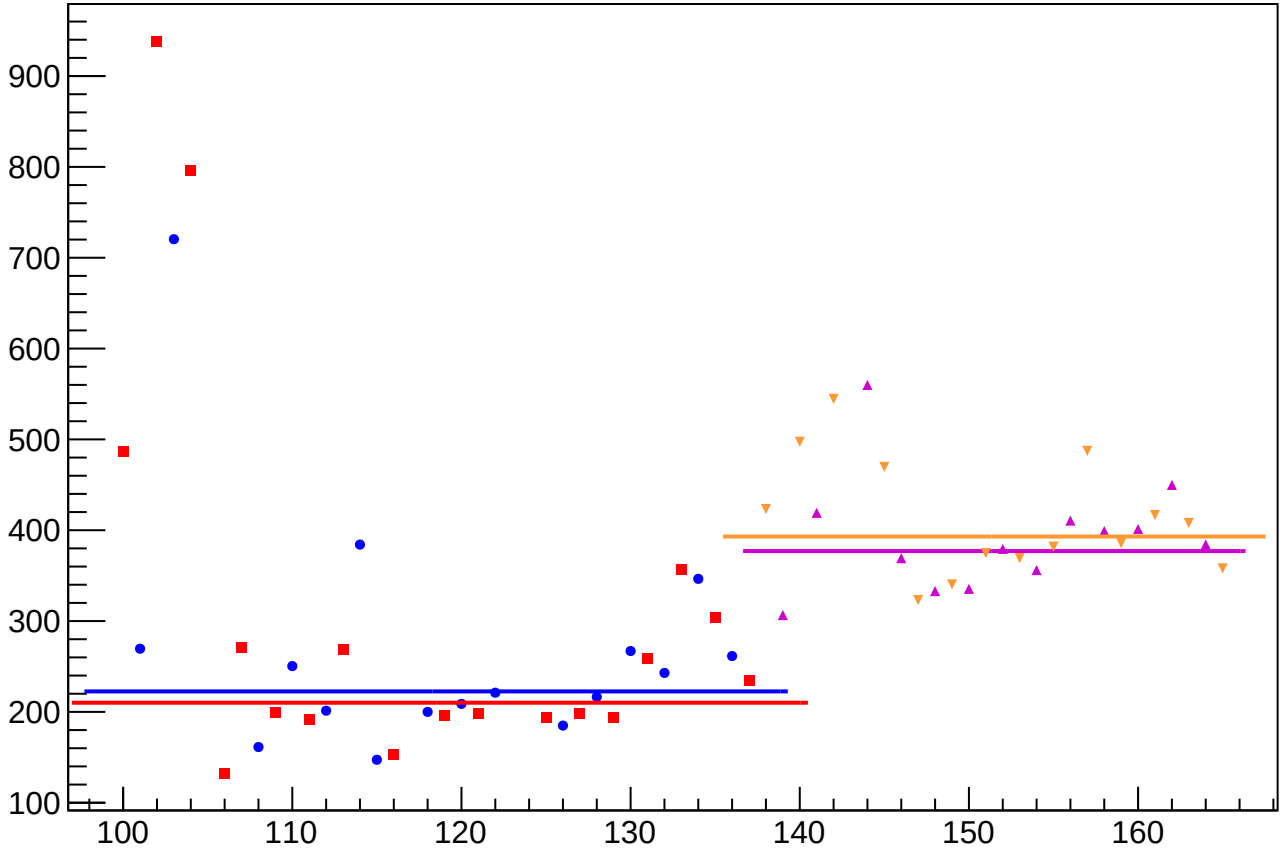
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.012+/-0.050 χ^2/NDF: 82.9/60

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: 393.069+/-0.086 χ^2/NDF:390822.2/13

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

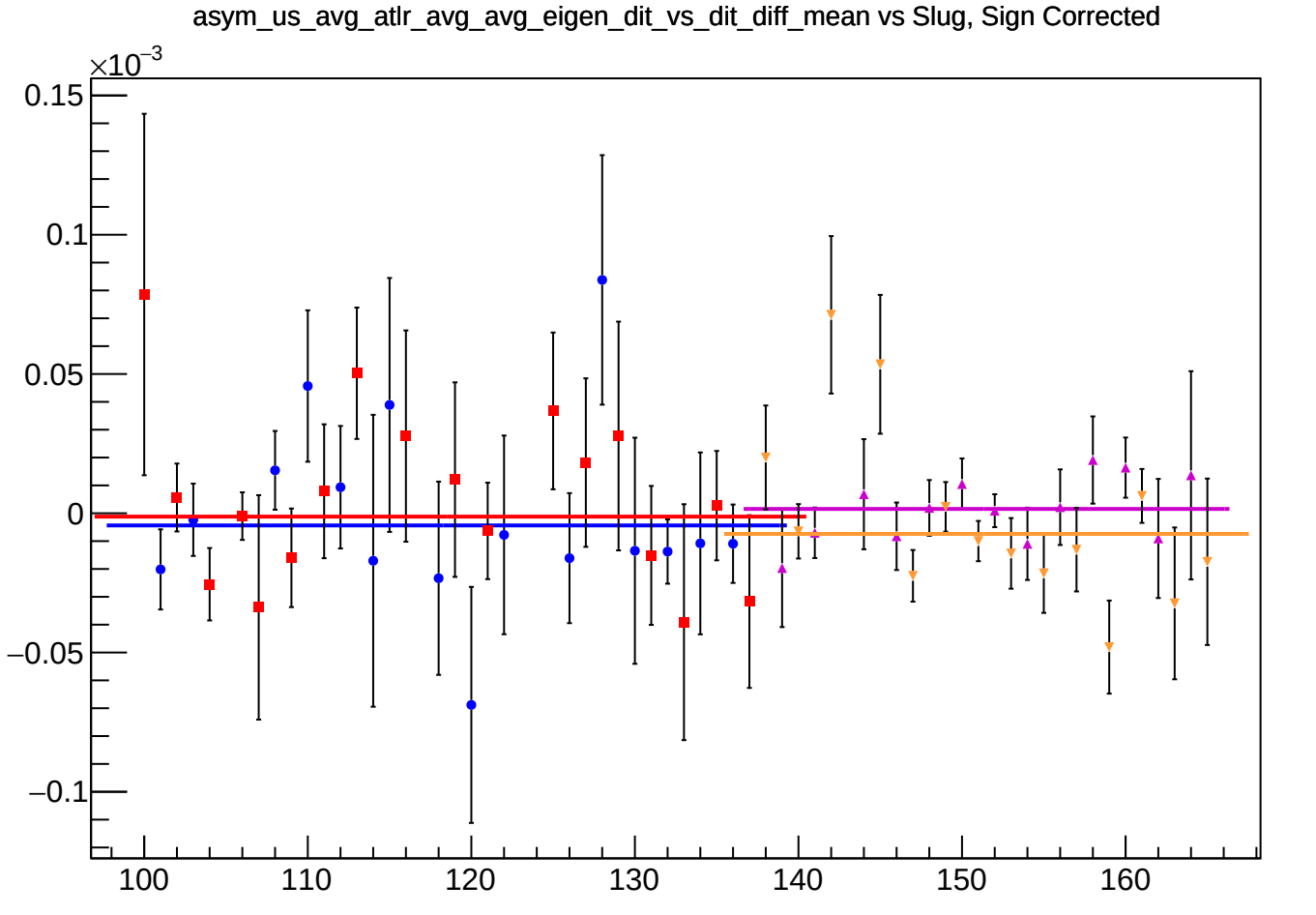
Left: 384.727+/-0.059 χ^2/NDF: 825632.0/26

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.192+/-0.050 χ^2/NDF:3661050.7/28

Out: 272.579+/-0.050 χ^2/NDF:4928949.9/31

All: 275.904+/-0.035 χ^2/NDF: 8598734.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

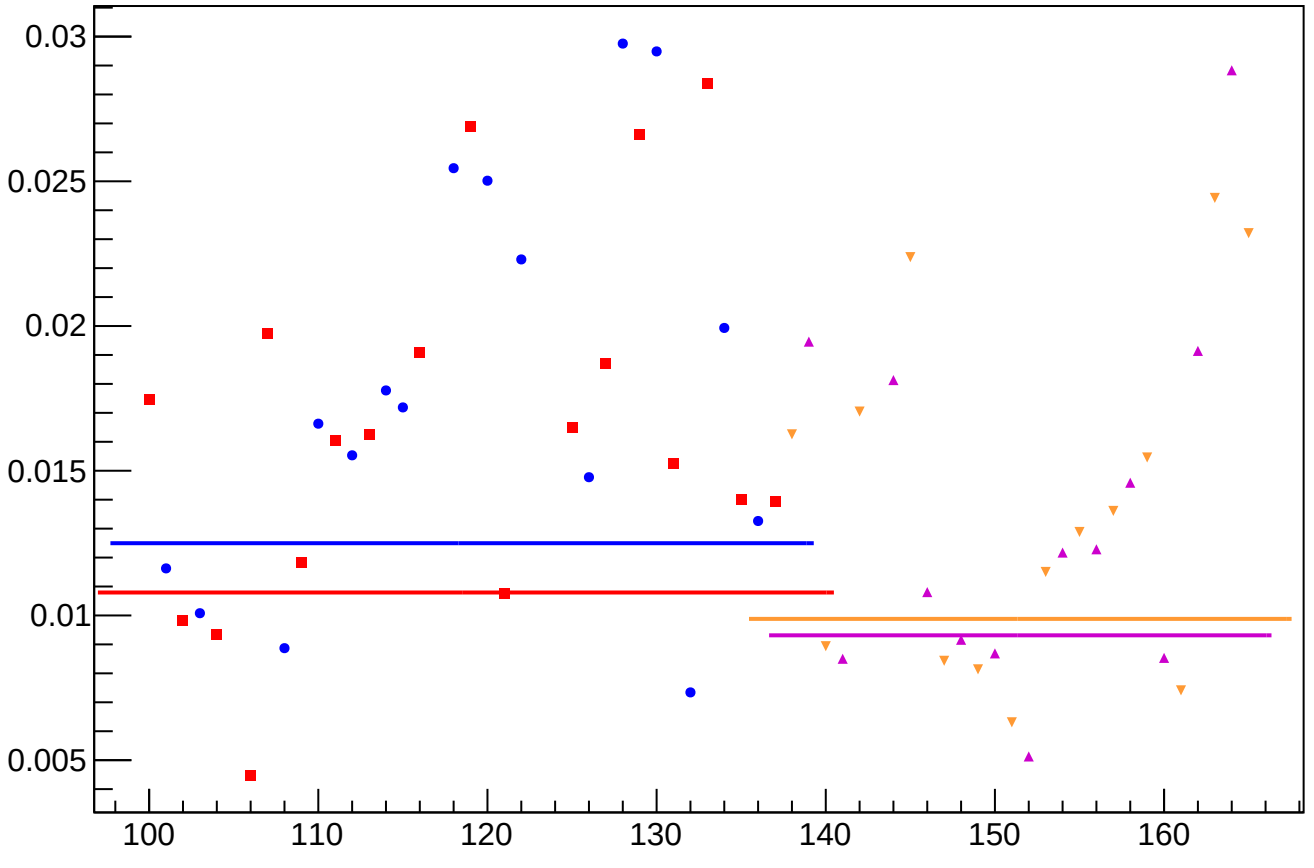
Left: -0.000+/-0.000 χ^2/NDF: 42.0/26

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:24.6/28

Out: -0.000+/-0.000 χ^2/NDF:48.6/31

All: -0.000+/-0.000 χ^2/NDF: 75.1/60



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:3064758.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:3315066.7/12

Left: 0.010+/-0.000 χ^2/NDF: 6410926.6/26

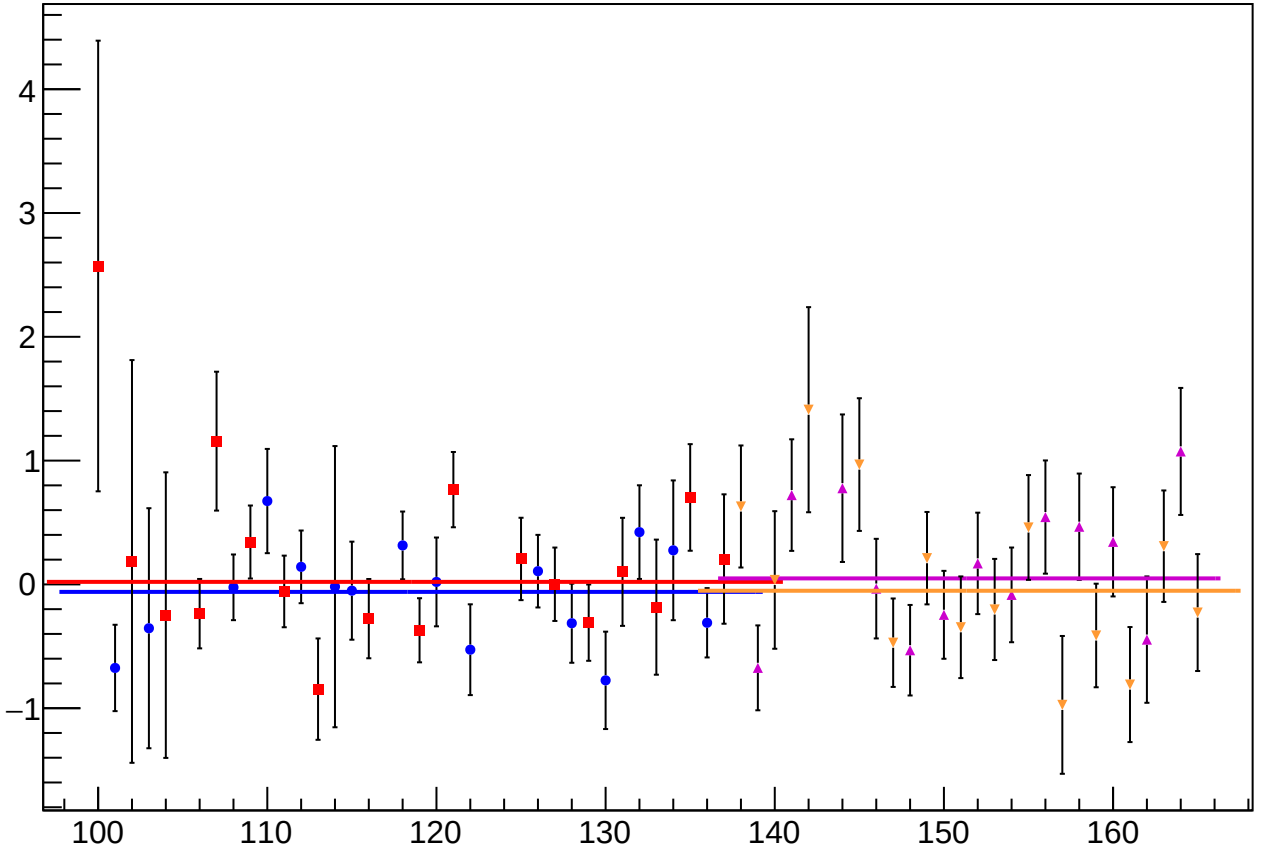
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5996785.5/28

Out: 0.010+/-0.000 χ^2/NDF:6104662.4/31

All: 0.010+/-0.000 χ^2/NDF: 12101448.1/60

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: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.001+/-0.084 χ^2/NDF: 39.1/26

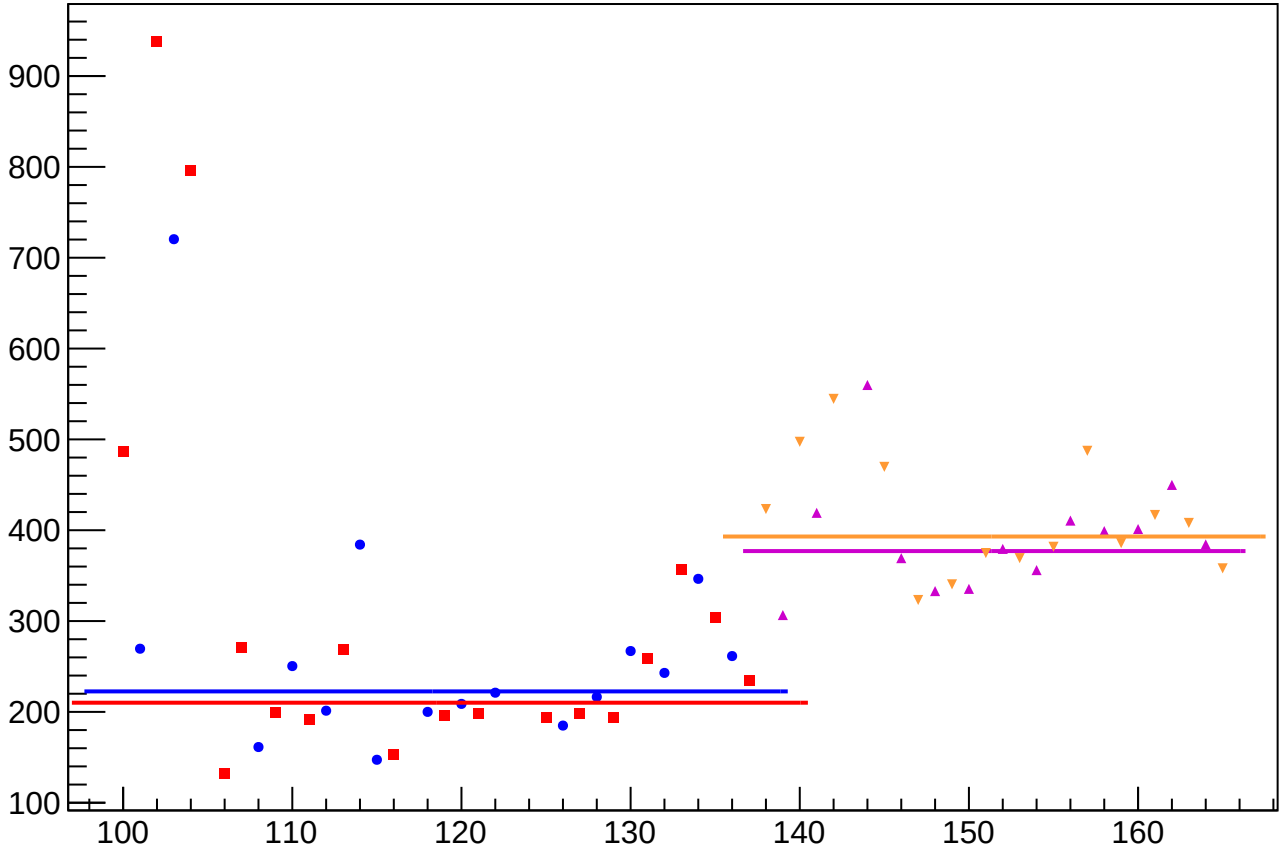
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.012+/-0.050 χ^2/NDF: 82.9/60

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: 393.075+/-0.086 χ^2/NDF:390824.8/13

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

Left: 384.733+/-0.059 χ^2/NDF: 825633.4/26

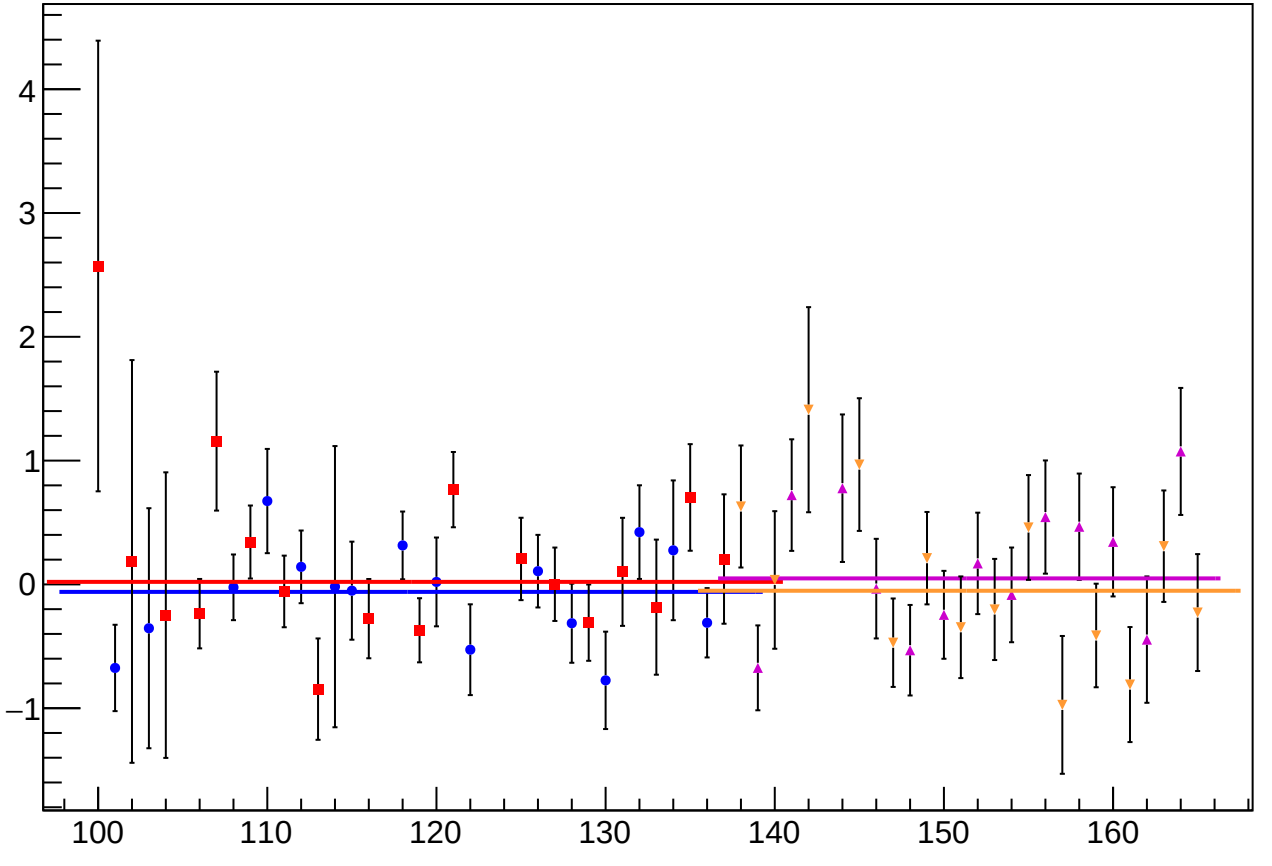
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 279.191+/-0.050 χ^2/NDF:3661231.4/28

Out: 272.577+/-0.050 χ^2/NDF:4929191.0/31

All: 275.902+/-0.035 χ^2/NDF: 8599159.8/60

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: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.001+/-0.084 χ^2/NDF: 39.1/26

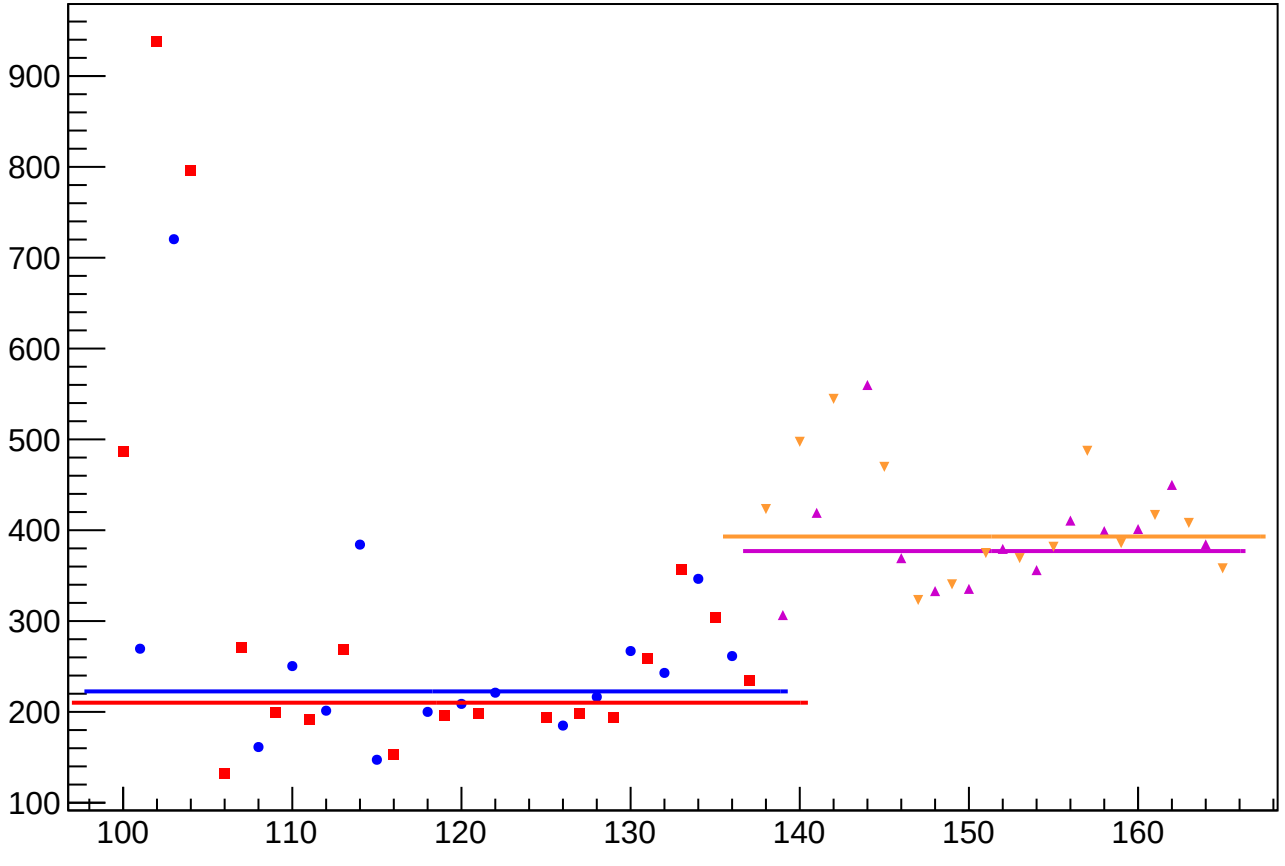
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.012+/-0.050 χ^2/NDF: 82.9/60

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: 393.075+/-0.086 χ^2/NDF:390824.8/13

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

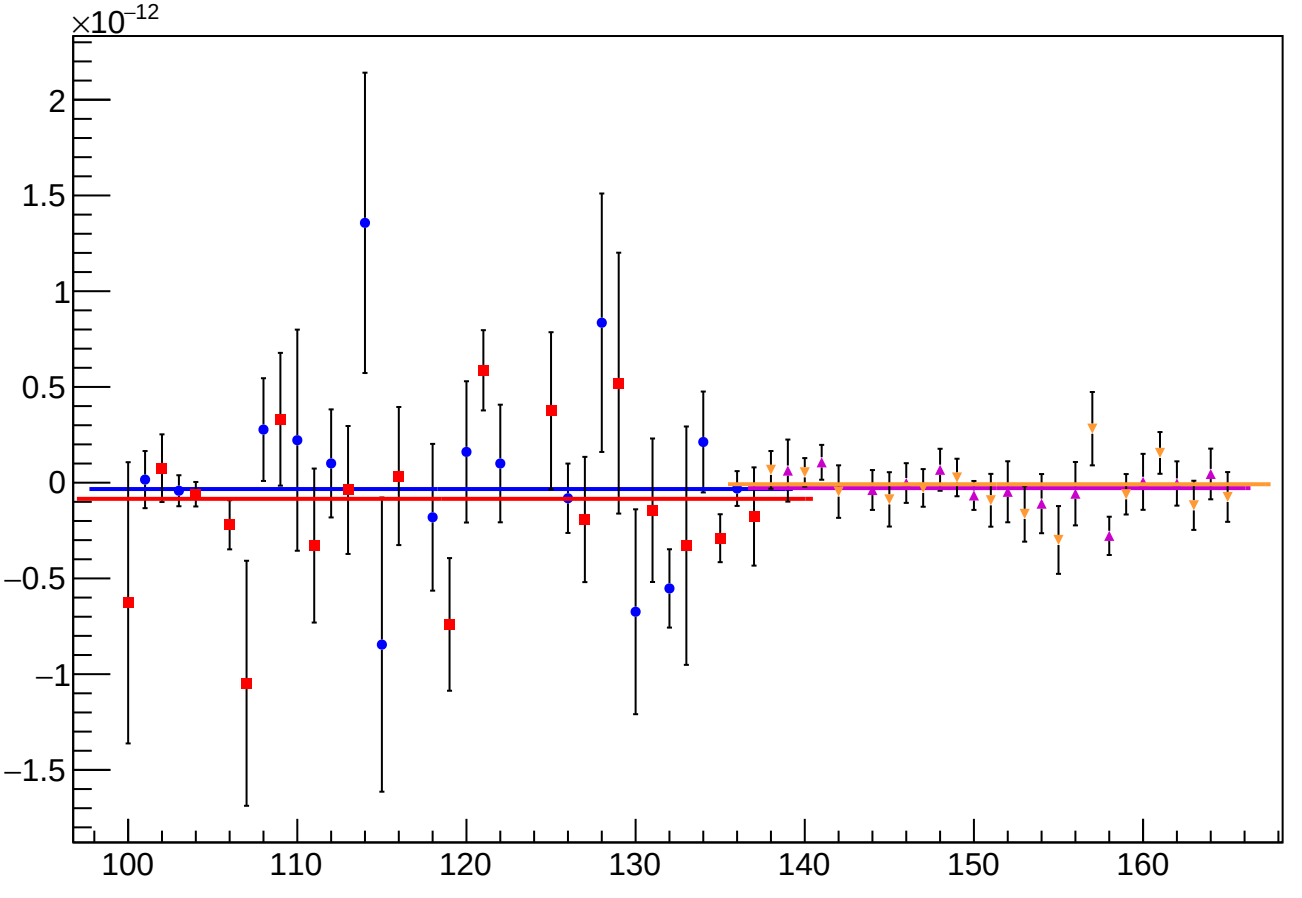
Left: 384.733+/-0.059 χ^2/NDF: 825633.4/26

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 279.191+/-0.050 χ^2/NDF:3661231.4/28

Out: 272.577+/-0.050 χ^2/NDF:4929191.0/31

All: 275.902+/-0.035 χ^2/NDF: 8599159.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.6/12

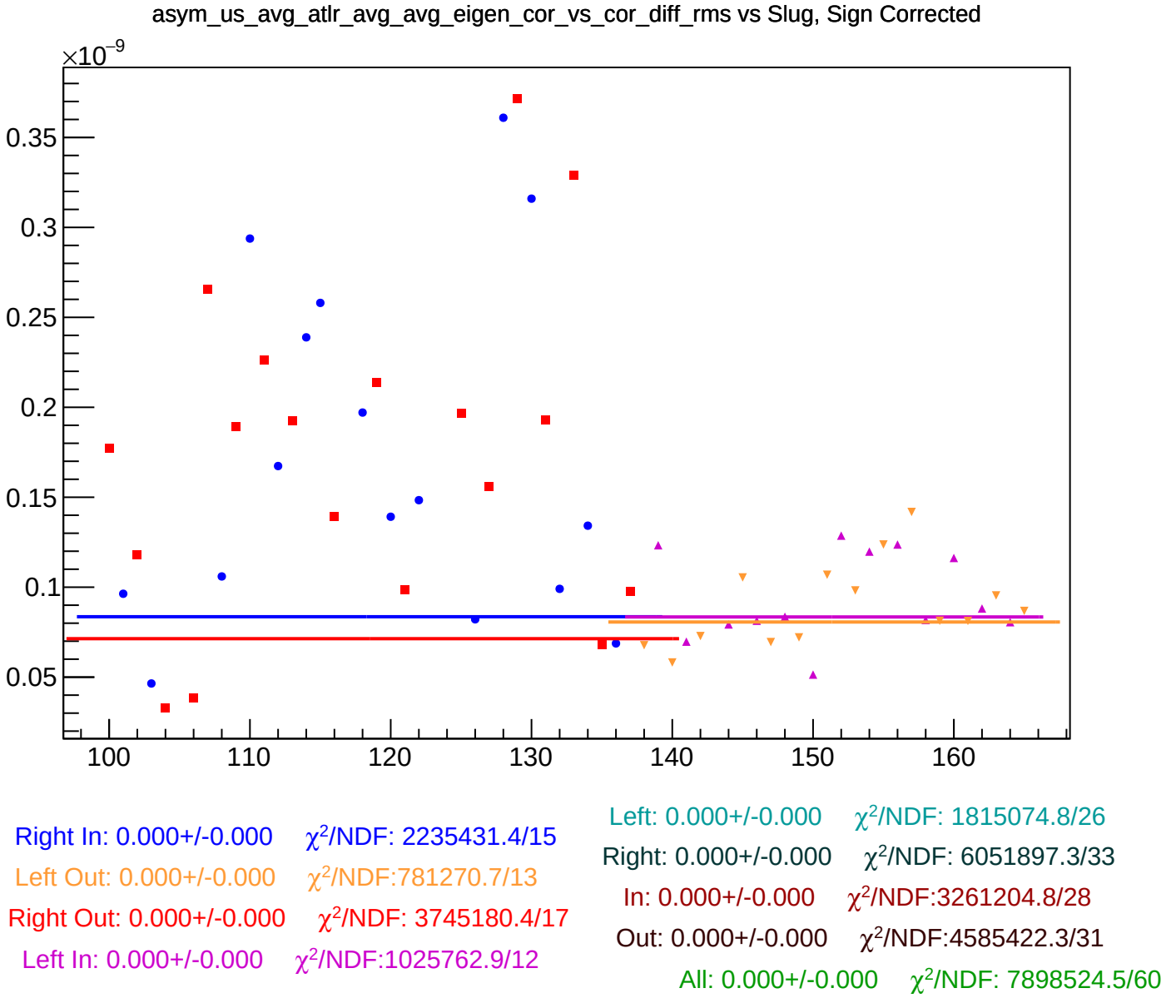
Left: -0.000+/-0.000 χ^2/NDF: 22.6/26

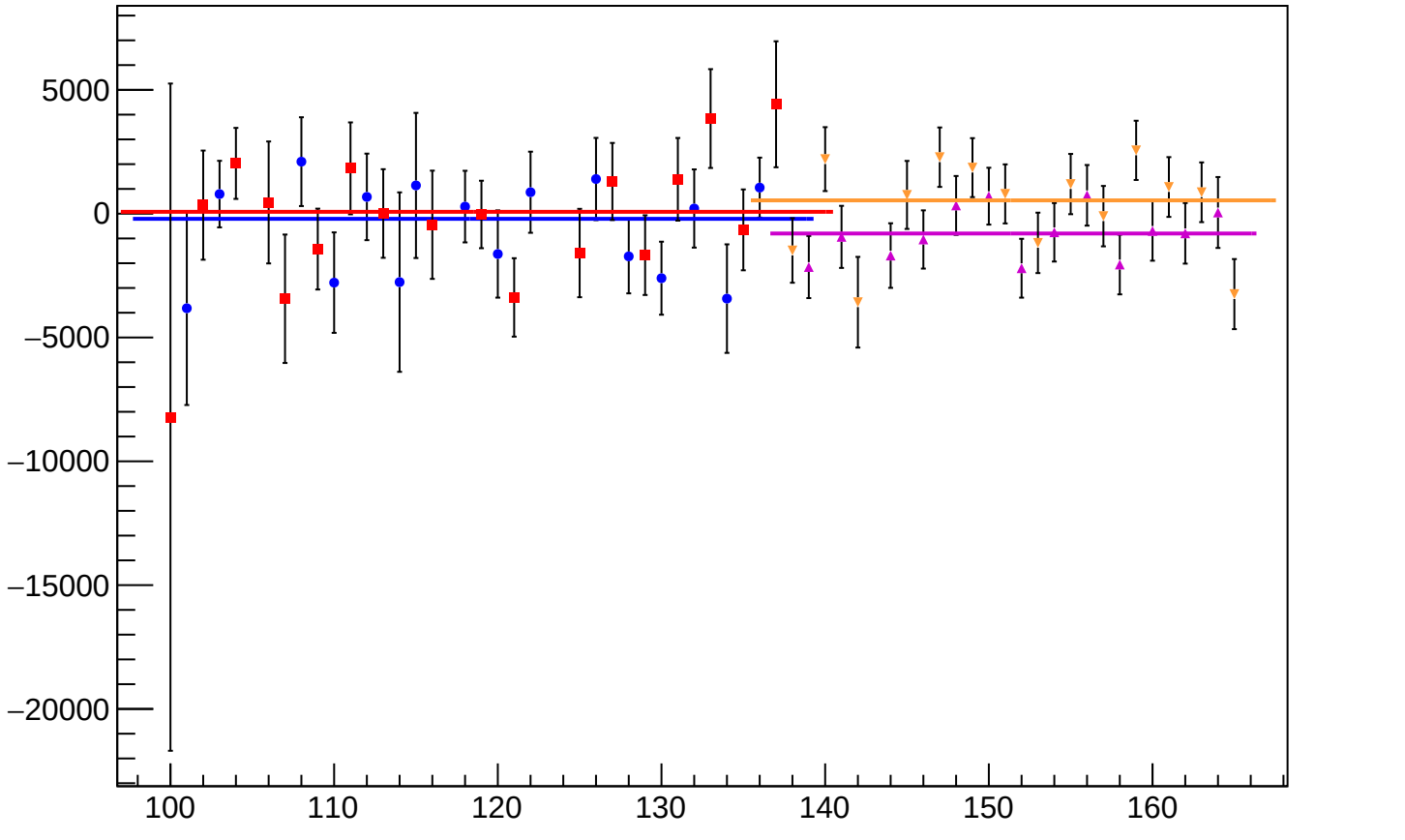
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:27.8/28

Out: -0.000+/-0.000 χ^2/NDF:39.7/31

All: -0.000+/-0.000 χ^2/NDF: 67.5/60


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
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:781270.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1025762.9/12
Left: 0.000+/-0.000 χ²/NDF: 1815074.8/26
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3261204.8/28
Out: 0.000+/-0.000 χ²/NDF:4585422.3/31
All: 0.000+/-0.000 χ²/NDF: 7898524.5/60



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 537.940+/-338.760 χ^2/NDF:25.4/13

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -800.104+/-339.451 χ^2/NDF:8.7/12

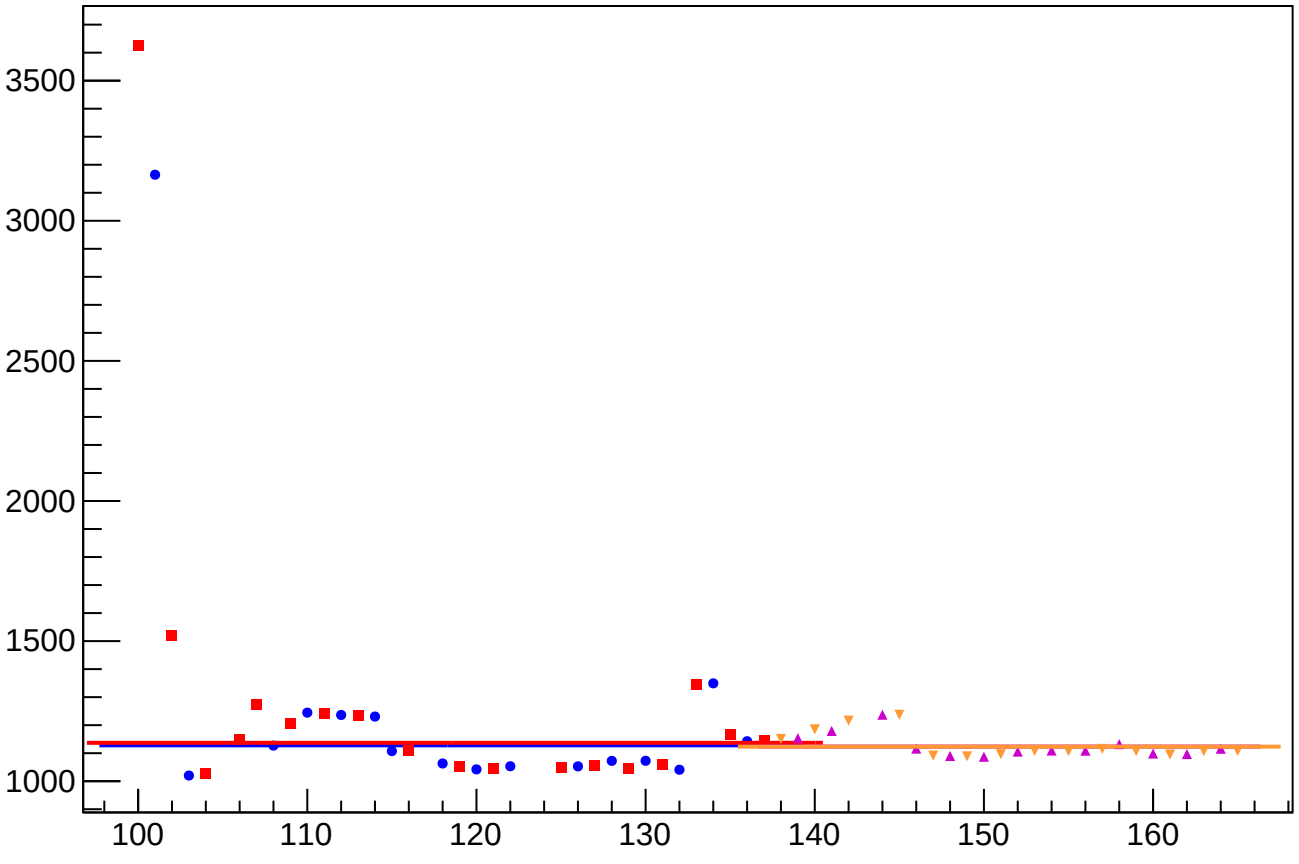
Left: -129.719+/-239.784 χ^2/NDF: 41.9/26

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -572.358+/-266.235 χ^2/NDF:24.7/28

Out: 361.272+/-266.282 χ^2/NDF:46.7/31

All: -105.625+/-188.273 χ^2/NDF: 77.6/60



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1123.327+/-0.240 χ^2/NDF:31206.7/13

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

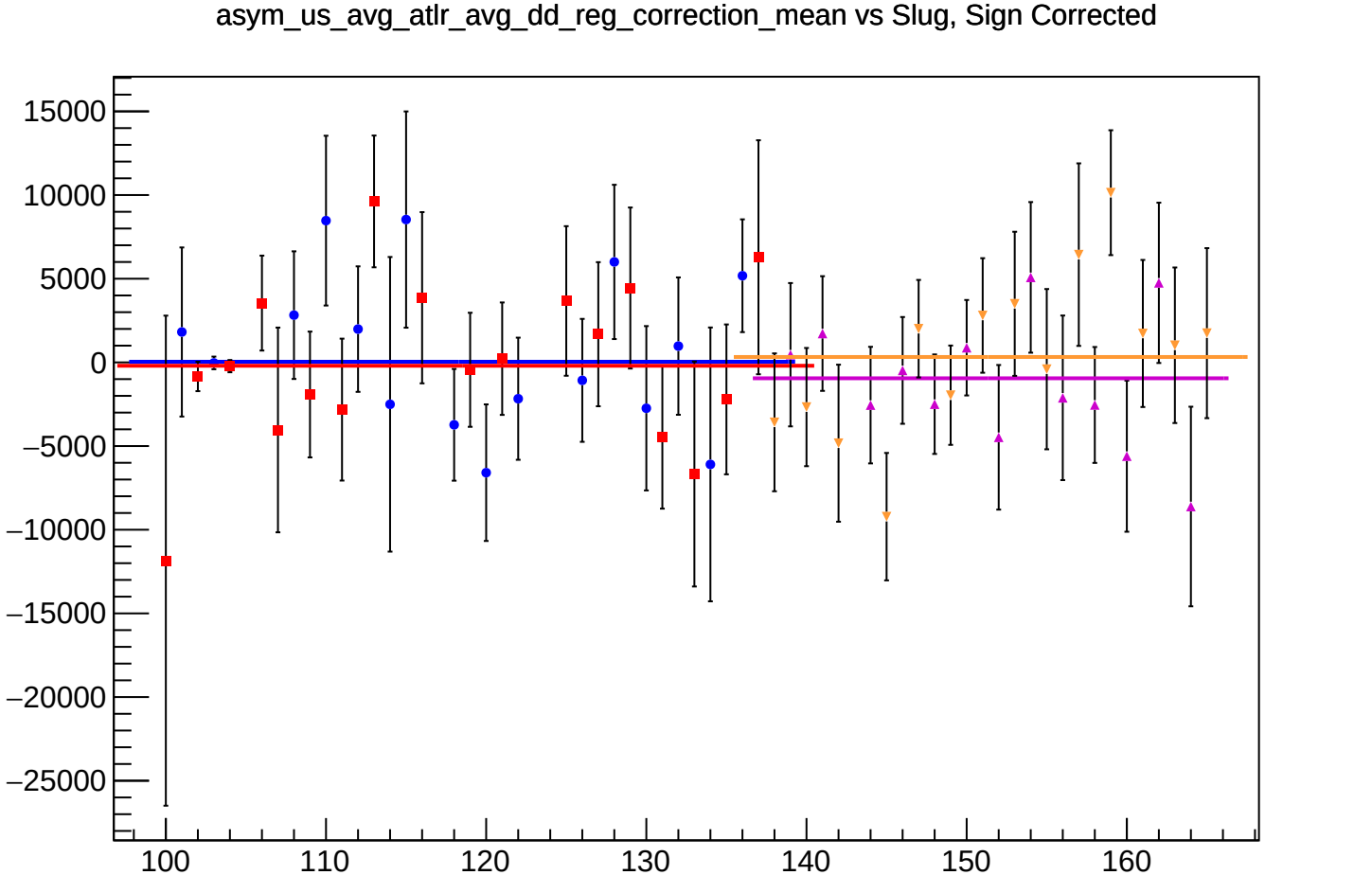
Left: 1123.464+/-0.170 χ^2/NDF: 58149.4/26

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1125.298+/-0.188 χ^2/NDF:648466.3/28

Out: 1128.579+/-0.188 χ^2/NDF:252548.2/31

All: 1126.939+/-0.133 χ^2/NDF: 901166.5/60



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 323.032+/-1048.247 χ^2/NDF:19.5/13

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -949.762+/-1051.238 χ^2/NDF:8.5/12

Left: -311.552+/-742.277 χ^2/NDF: 28.7/26

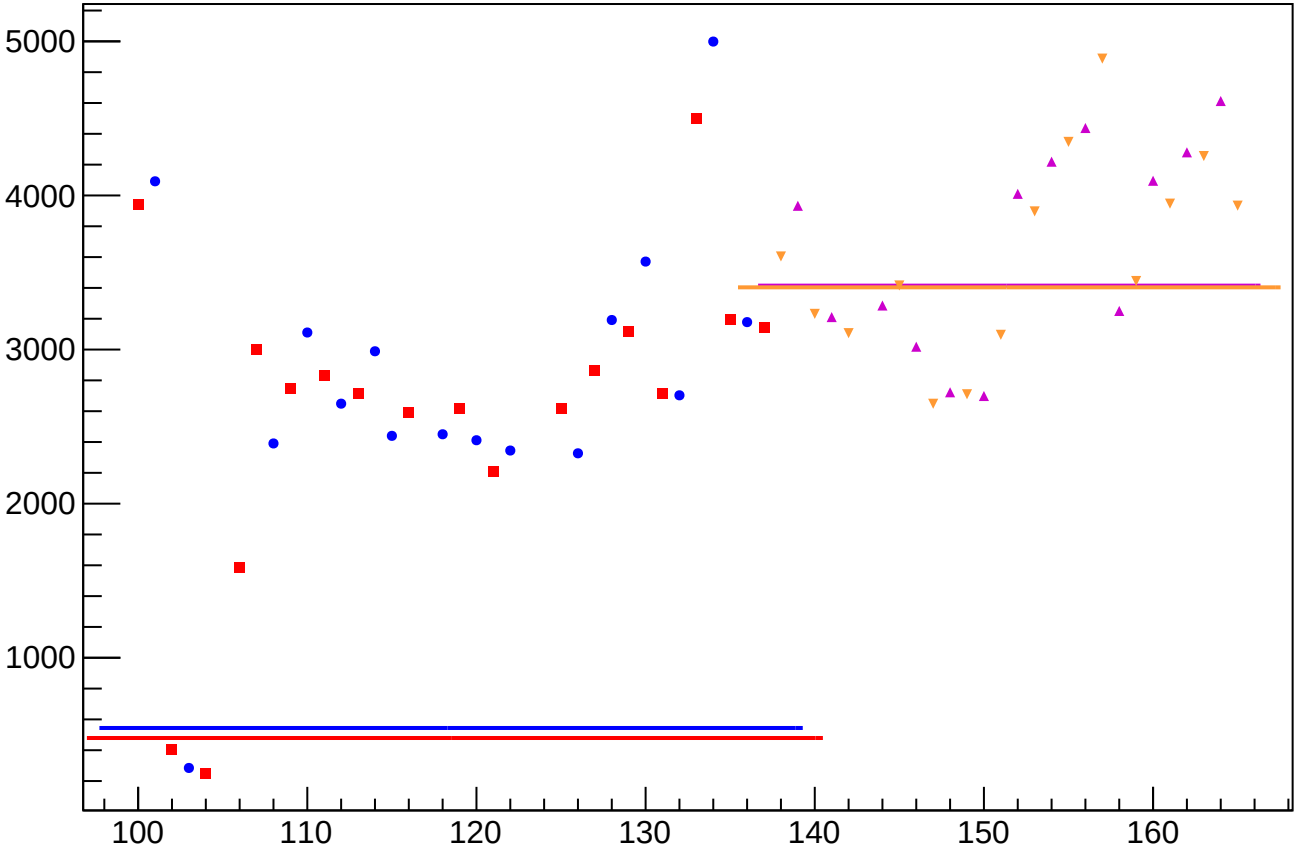
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -64.203+/-338.592 χ^2/NDF:24.1/28

Out: -156.262+/-308.281 χ^2/NDF:35.4/31

All: -114.537+/-227.952 χ^2/NDF: 59.5/60

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3403.702+/-0.741 χ^2/NDF:649365.3/13

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3414.833+/-0.743 χ^2/NDF:688819.9/12

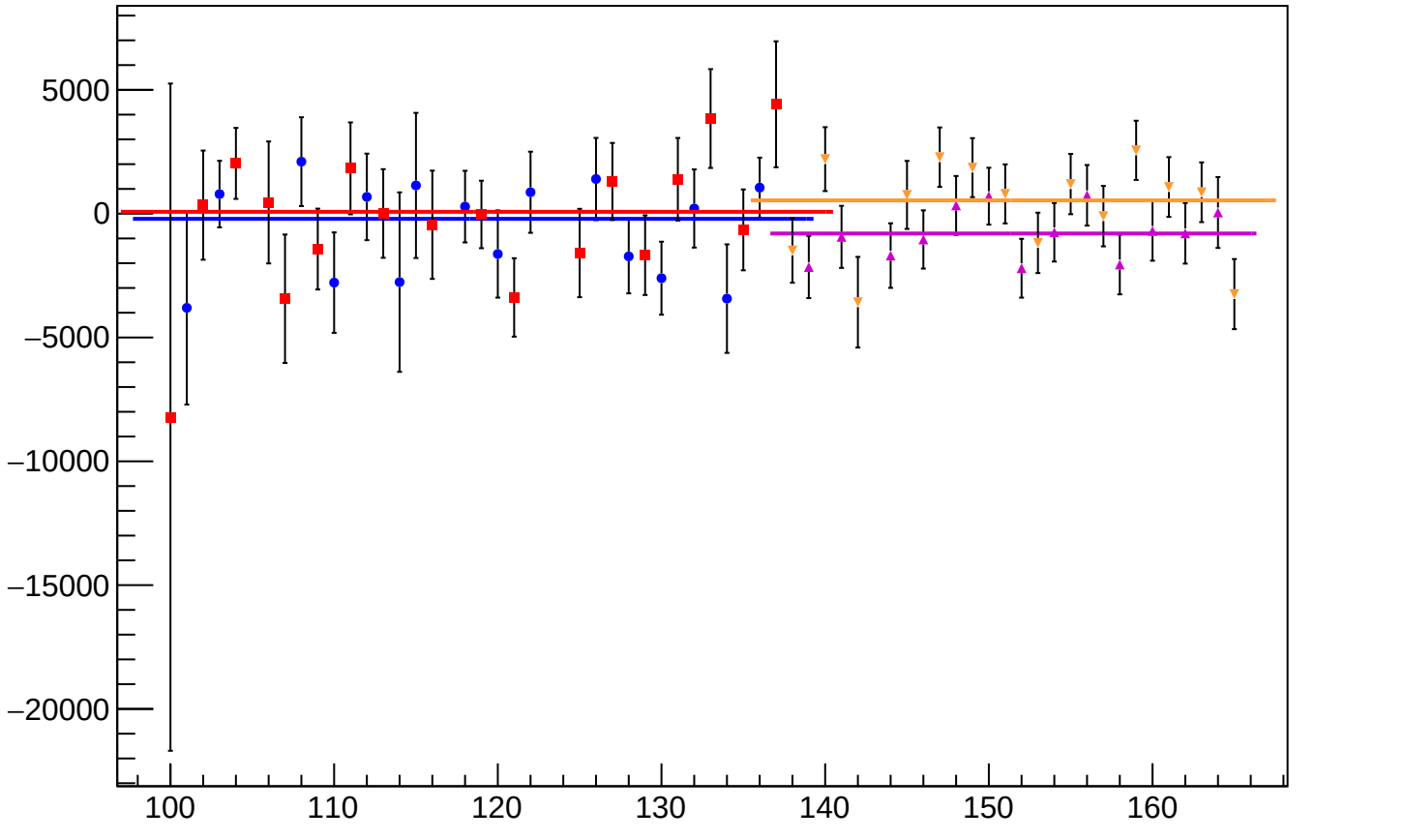
Left: 3409.252+/-0.525 χ^2/NDF: 1338297.7/26

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 842.125+/-0.239 χ^2/NDF:23737005.5/28

Out: 732.189+/-0.218 χ^2/NDF:24057517.4/31

All: 782.017+/-0.161 χ^2/NDF: 47909801.5/60



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 537.965+/-338.760 χ^2/NDF:25.4/13

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -800.130+/-339.451 χ^2/NDF:8.7/12

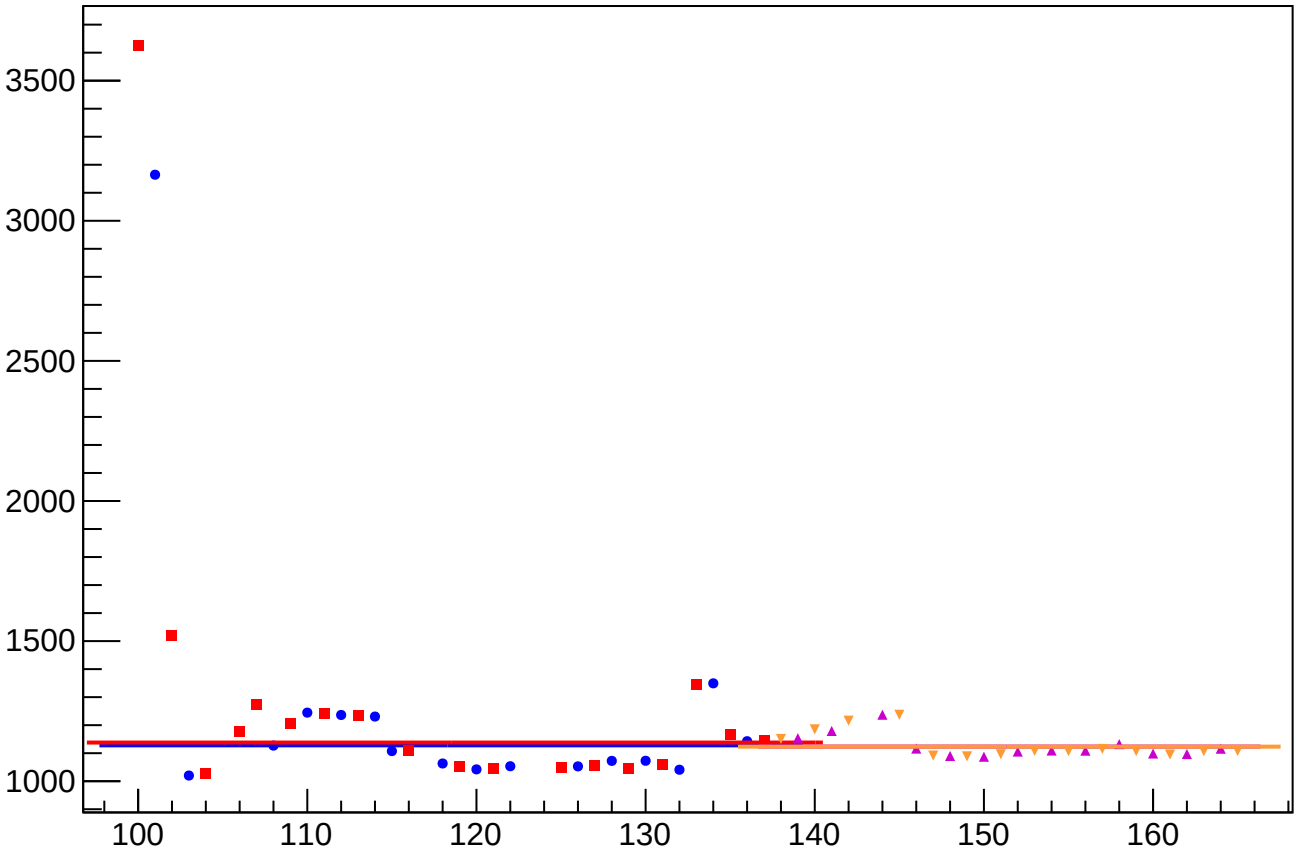
Left: -129.719+/-239.784 χ^2/NDF: 41.9/26

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -572.286+/-266.235 χ^2/NDF:24.7/28

Out: 361.343+/-266.282 χ^2/NDF:46.7/31

All: -105.553+/-188.273 χ^2/NDF: 77.6/60



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1123.327+/-0.240 χ^2/NDF:31206.7/13

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

Left: 1123.464+/-0.170 χ^2/NDF: 58149.4/26

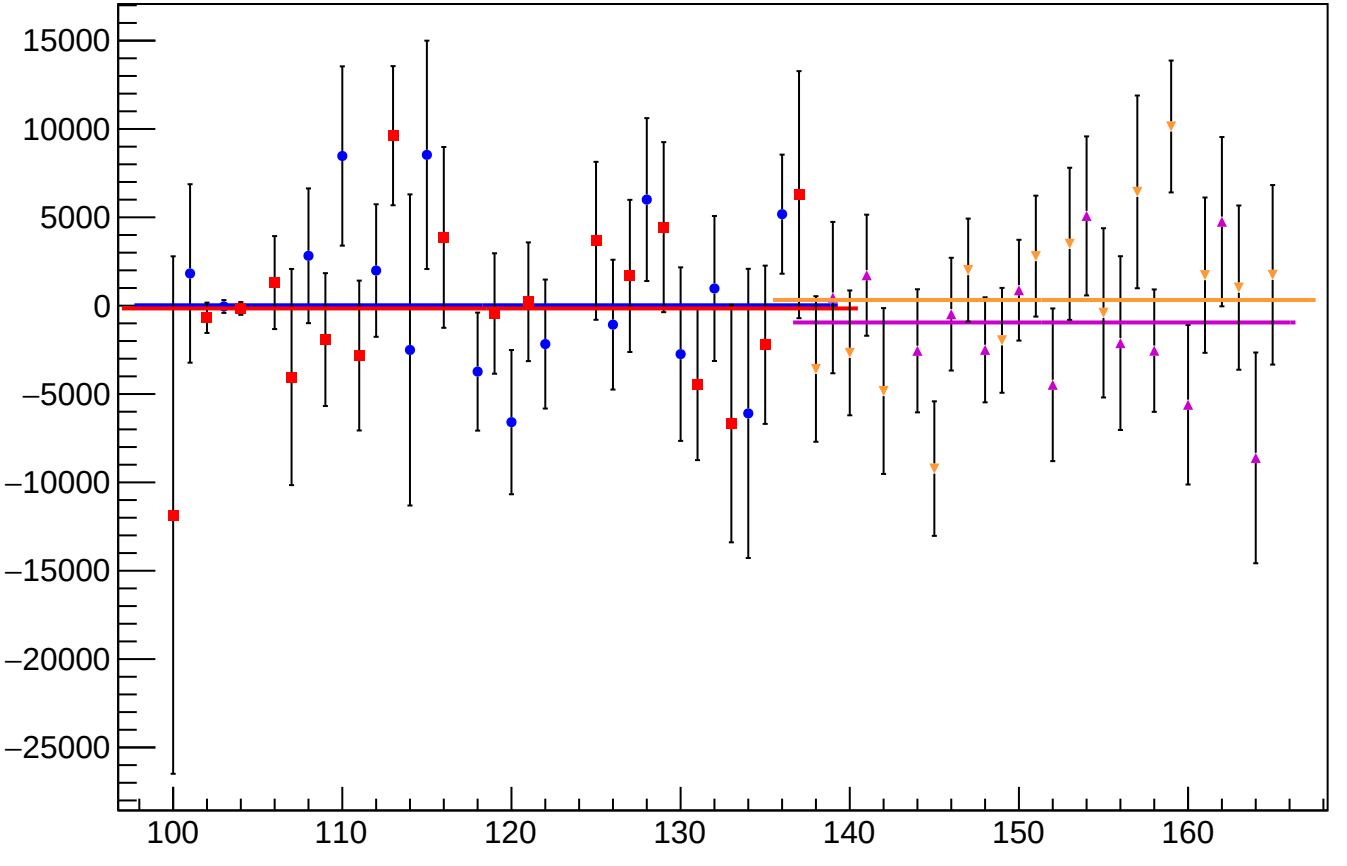
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1125.297+/-0.188 χ^2/NDF:648467.4/28

Out: 1128.938+/-0.188 χ^2/NDF:253265.9/31

All: 1127.118+/-0.133 χ^2/NDF: 901920.2/60

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 323.042+/-1048.246 χ^2/NDF:19.5/13

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -949.773+/-1051.237 χ^2/NDF:8.5/12

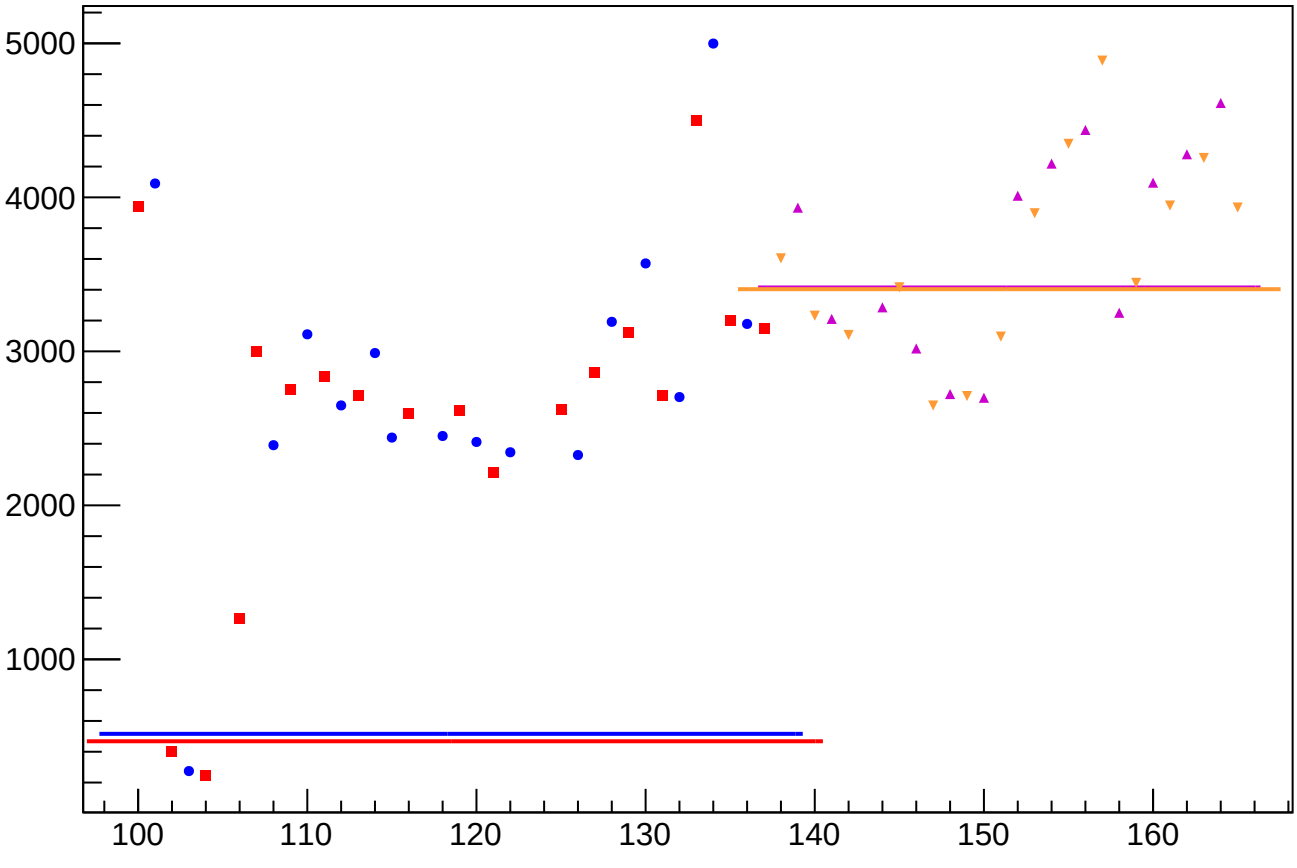
Left: -311.552+/-742.277 χ^2/NDF: 28.7/26

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -72.574+/-327.391 χ^2/NDF:24.1/28

Out: -115.988+/-303.751 χ^2/NDF:33.7/31

All: -95.905+/-222.673 χ^2/NDF: 57.8/60



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3403.701+/-0.741 χ^2/NDF:649369.2/13

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

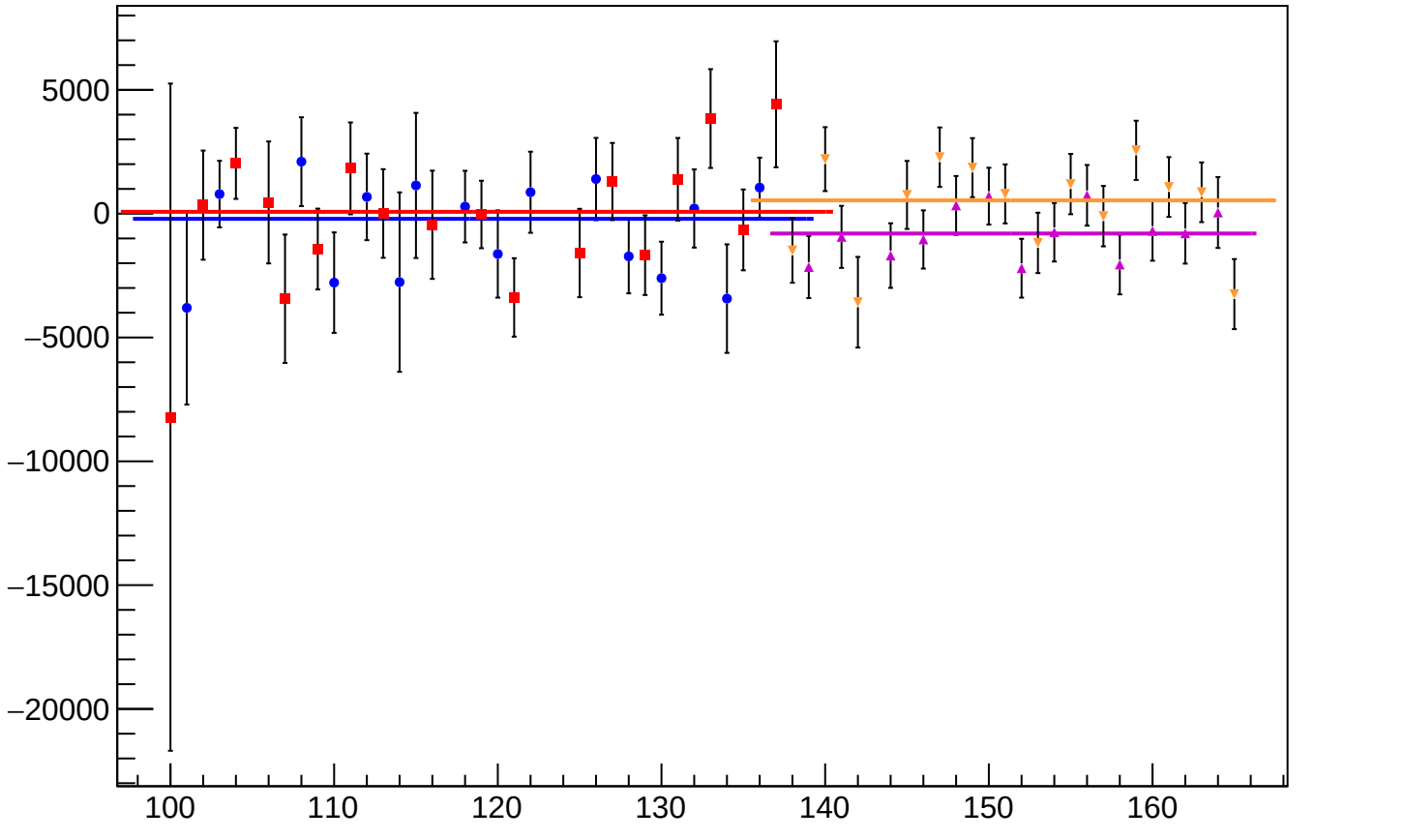
Left: 3409.251+/-0.525 χ^2/NDF: 1338305.6/26

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 797.429+/-0.232 χ^2/NDF:24253717.9/28

Out: 714.557+/-0.215 χ^2/NDF:24129393.6/31

All: 752.893+/-0.157 χ^2/NDF: 48451980.0/60



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 537.965+/-338.760 χ^2/NDF:25.4/13

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -800.130+/-339.451 χ^2/NDF:8.7/12

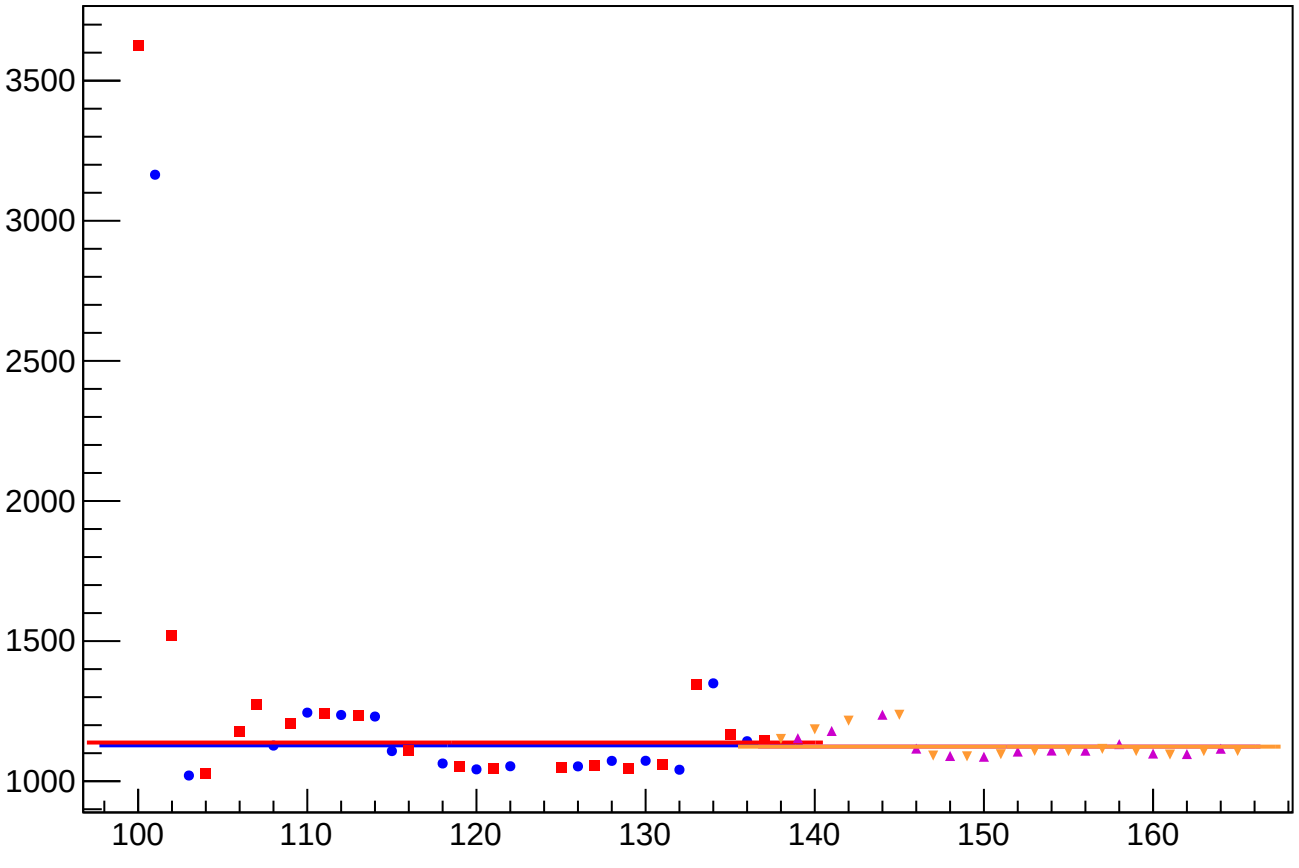
Left: -129.719+/-239.784 χ^2/NDF: 41.9/26

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

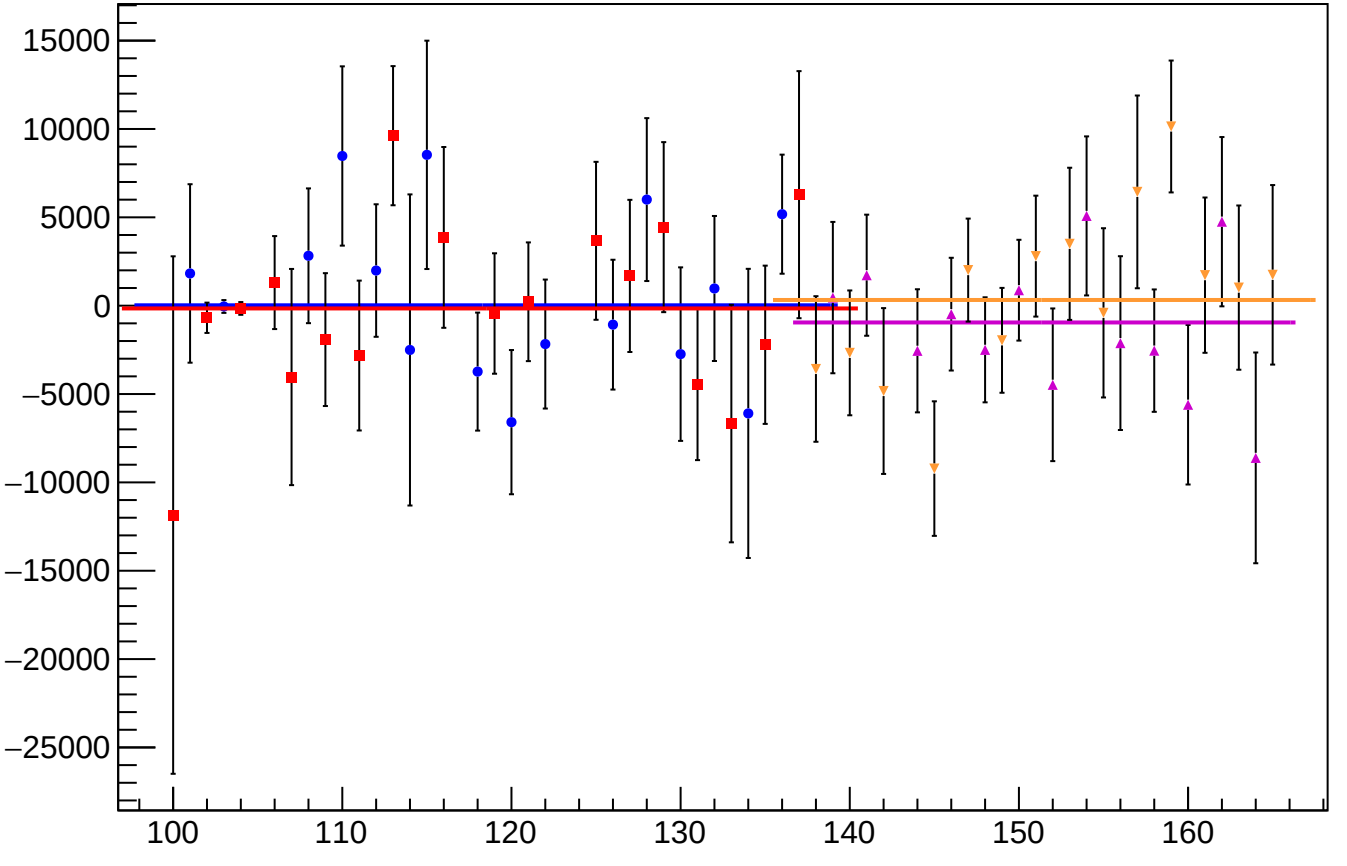
In: -572.286+/-266.235 χ^2/NDF:24.7/28

Out: 361.343+/-266.282 χ^2/NDF:46.7/31

All: -105.553+/-188.273 χ^2/NDF: 77.6/60


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
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1123.327+/-0.240 χ²/NDF:31206.7/13
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1123.602+/-0.240 χ²/NDF:26942.1/12
Left: 1123.464+/-0.170 χ²/NDF: 58149.4/26
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1125.297+/-0.188 χ²/NDF:648467.4/28
Out: 1128.938+/-0.188 χ²/NDF:253265.9/31
All: 1127.118+/-0.133 χ²/NDF: 901920.2/60

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: 323.042+/-1048.246 χ^2/NDF:19.5/13

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -949.773+/-1051.237 χ^2/NDF:8.5/12

Left: -311.552+/-742.277 χ^2/NDF: 28.7/26

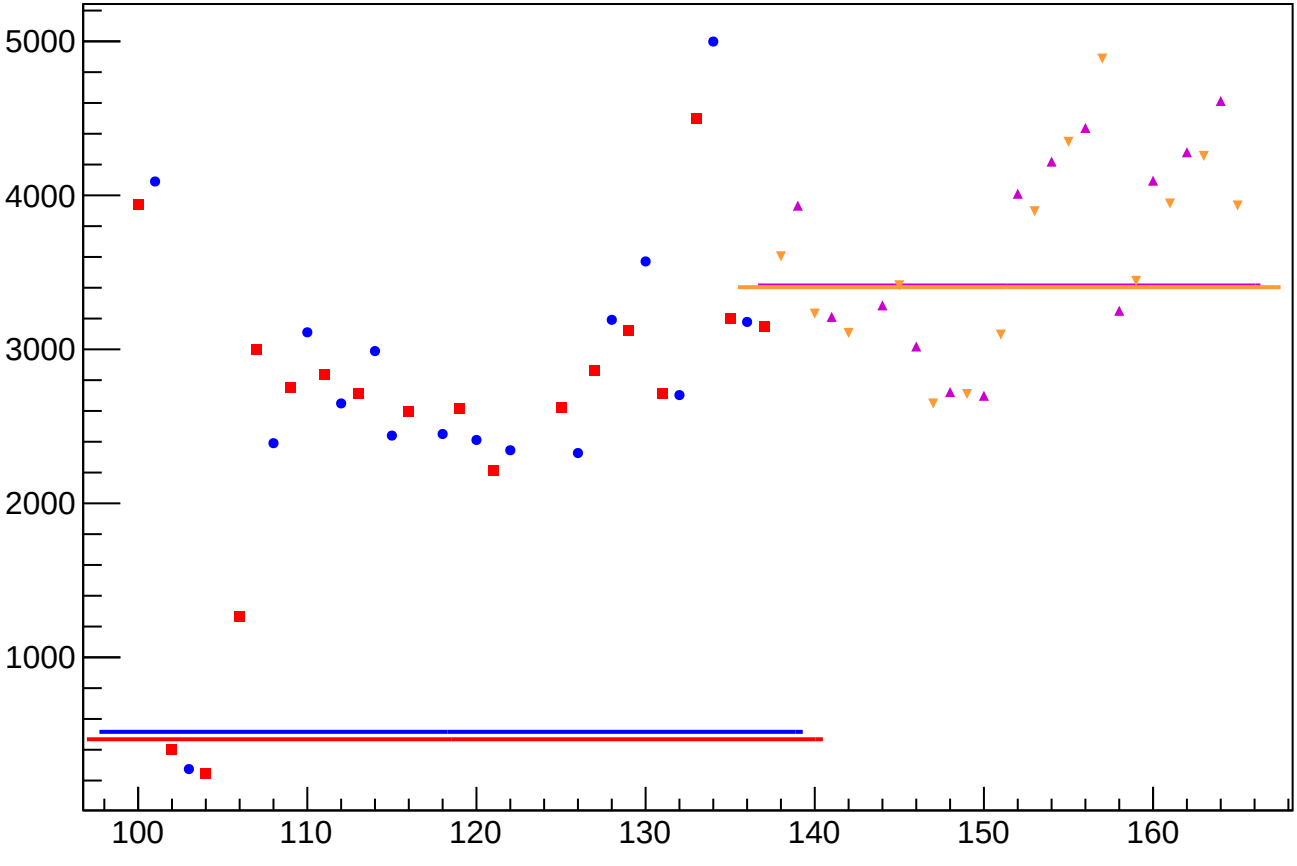
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -72.574+/-327.391 χ^2/NDF:24.1/28

Out: -115.988+/-303.751 χ^2/NDF:33.7/31

All: -95.905+/-222.673 χ^2/NDF: 57.8/60

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3403.701+/-0.741 χ^2/NDF:649369.2/13

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

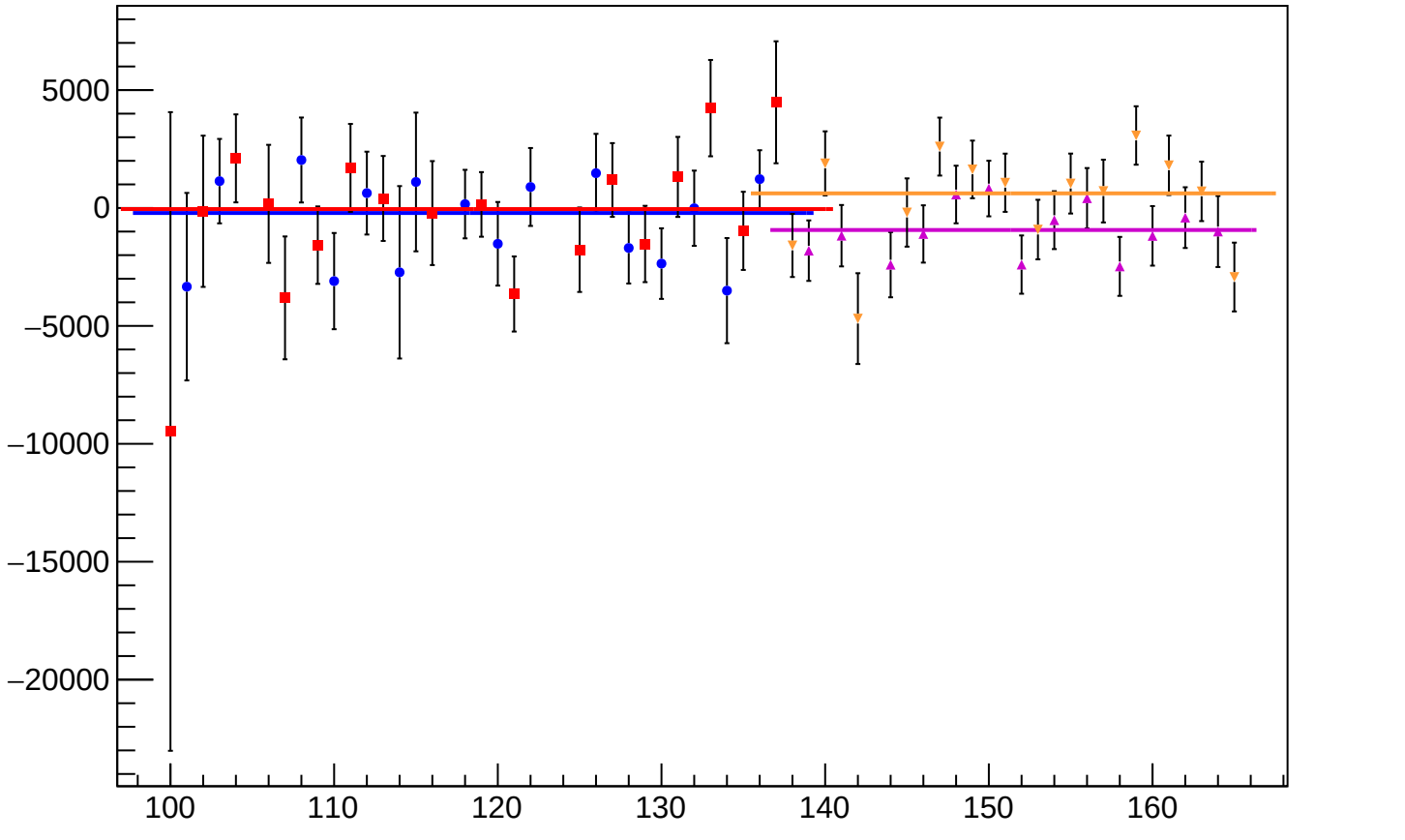
Left: 3409.251+/-0.525 χ^2/NDF: 1338305.6/26

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 797.429+/-0.232 χ^2/NDF:24253717.9/28

Out: 714.557+/-0.215 χ^2/NDF:24129393.6/31

All: 752.893+/-0.157 χ^2/NDF: 48451980.0/60



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 620.230+/-352.935 χ^2/NDF:27.3/13

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -933.395+/-352.870 χ^2/NDF:9.8/12

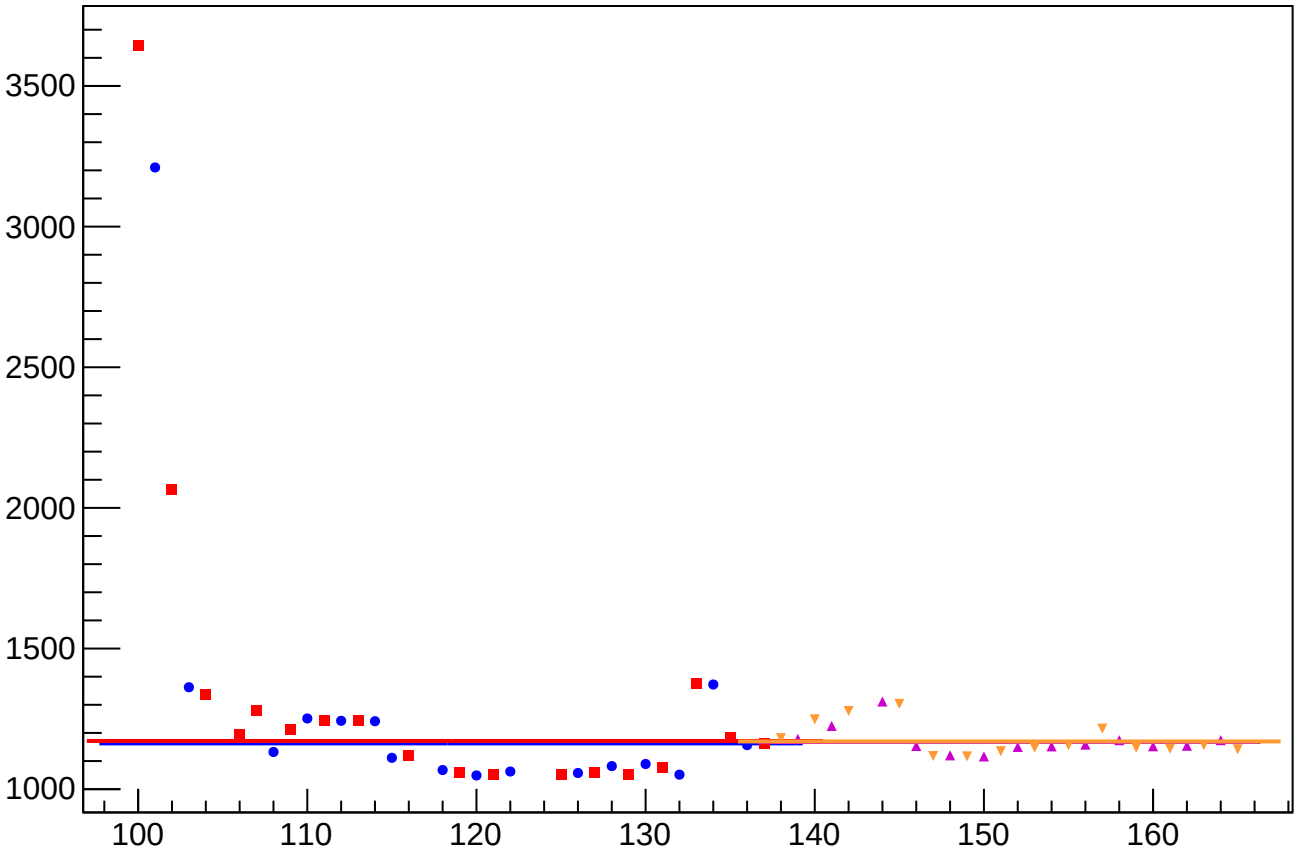
Left: -156.727+/-249.540 χ^2/NDF: 46.7/26

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -653.534+/-275.933 χ^2/NDF:25.7/28

Out: 364.723+/-277.053 χ^2/NDF:50.3/31

All: -146.468+/-195.509 χ^2/NDF: 82.8/60



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1169.740+/-0.250 χ^2/NDF:44736.9/13

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1167.688+/-0.250 χ^2/NDF:34175.5/12

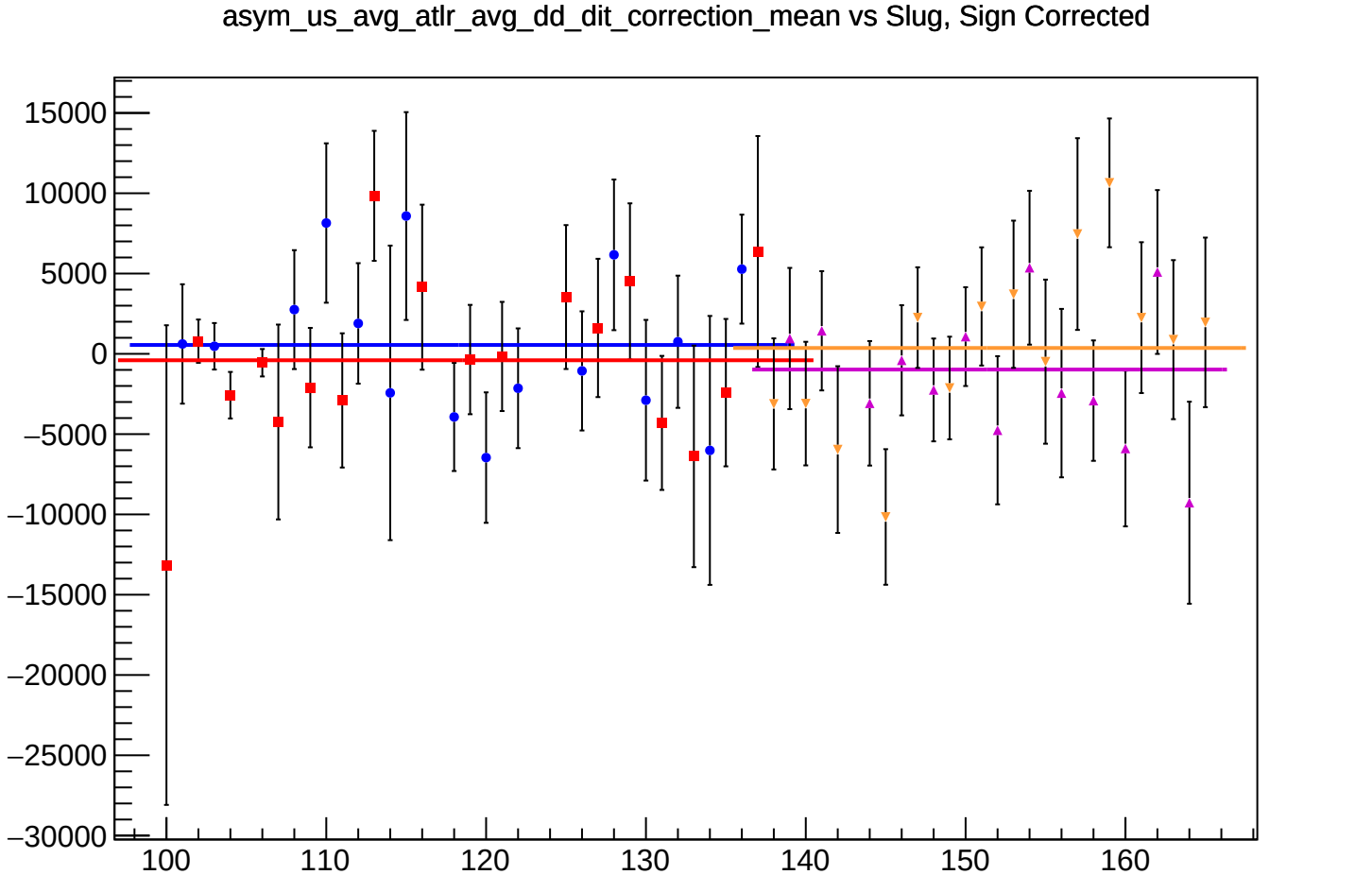
Left: 1168.714+/-0.176 χ^2/NDF: 78946.2/26

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1165.809+/-0.195 χ^2/NDF:669675.0/28

Out: 1170.385+/-0.196 χ^2/NDF:376395.1/31

All: 1168.088+/-0.138 χ^2/NDF: 1046344.1/60



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 365.277+/-1123.167 χ^2/NDF:19.5/13

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -978.731+/-1129.902 χ^2/NDF:8.5/12

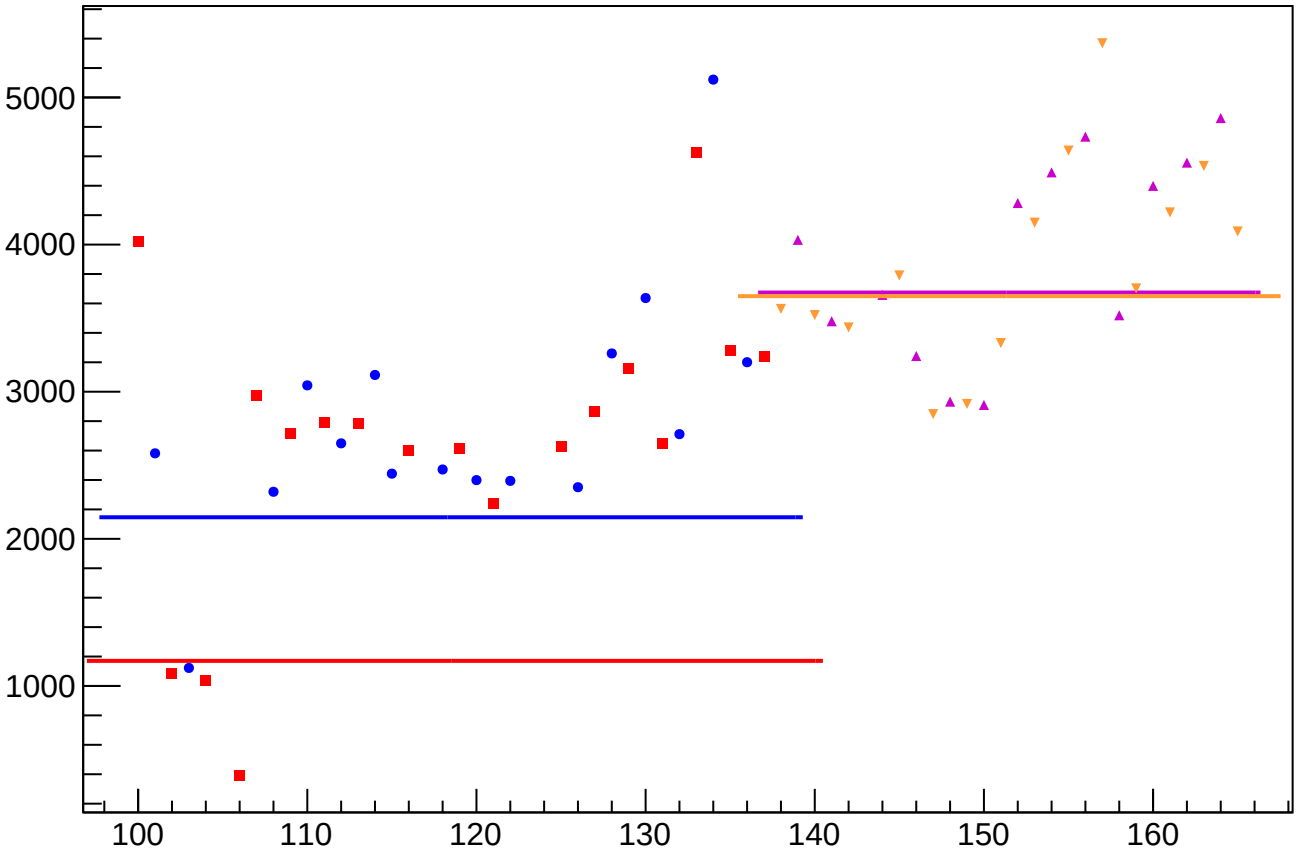
Left: -302.709+/-796.570 χ^2/NDF: 28.7/26

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: -20.806+/-691.382 χ^2/NDF:24.0/28

Out: -245.418+/-505.356 χ^2/NDF:36.6/31

All: -167.203+/-407.988 χ^2/NDF: 60.7/60



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3649.326+/-0.794 χ^2/NDF:632100.4/13

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3674.132+/-0.799 χ^2/NDF:634789.7/12

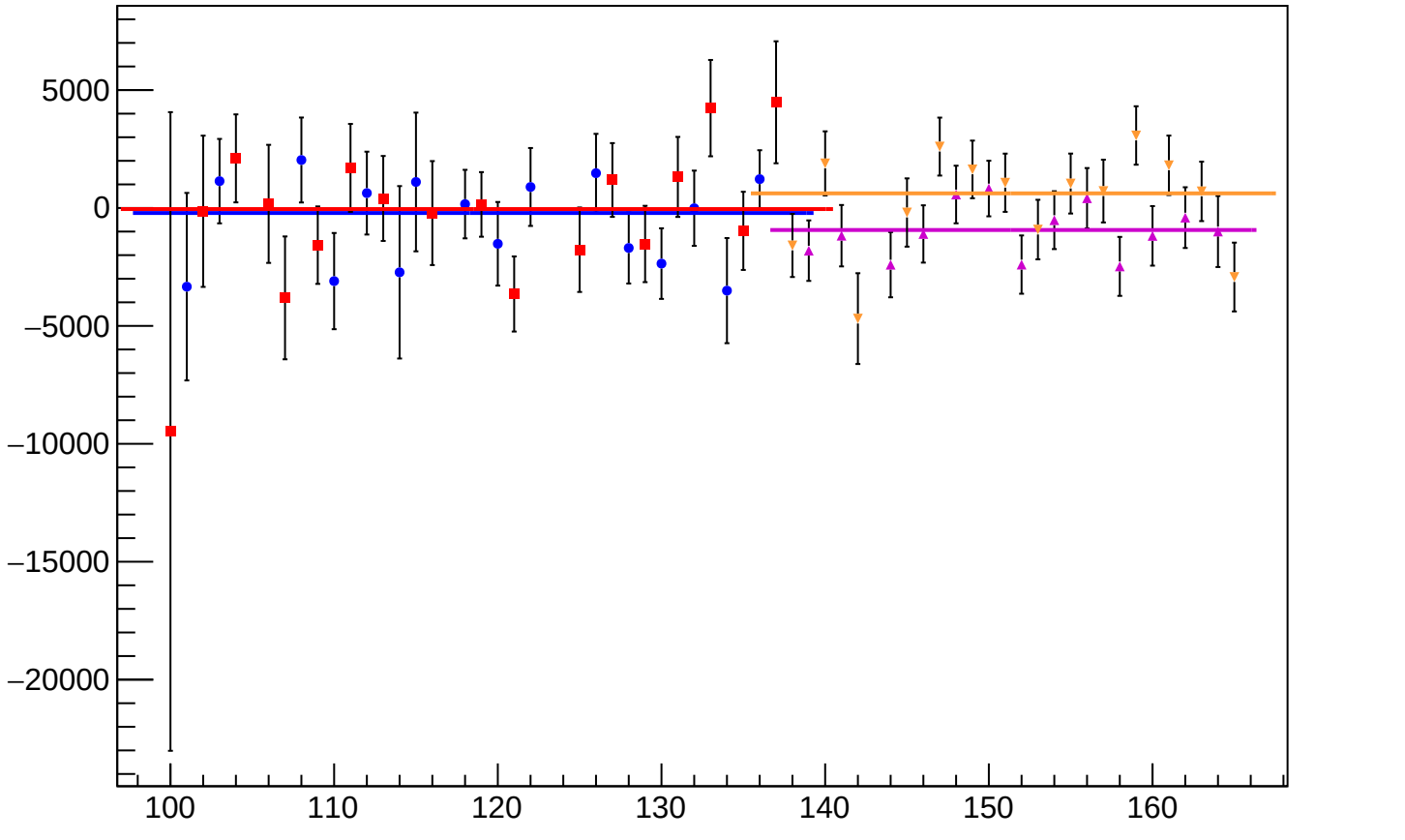
Left: 3661.655+/-0.563 χ^2/NDF: 1267374.9/26

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2718.542+/-0.489 χ^2/NDF:4896194.7/28

Out: 1672.384+/-0.357 χ^2/NDF:14218642.3/31

All: 2036.681+/-0.288 χ^2/NDF: 22099445.0/6



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 620.233+/-352.936 χ^2/NDF:27.3/13

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -933.395+/-352.870 χ^2/NDF:9.8/12

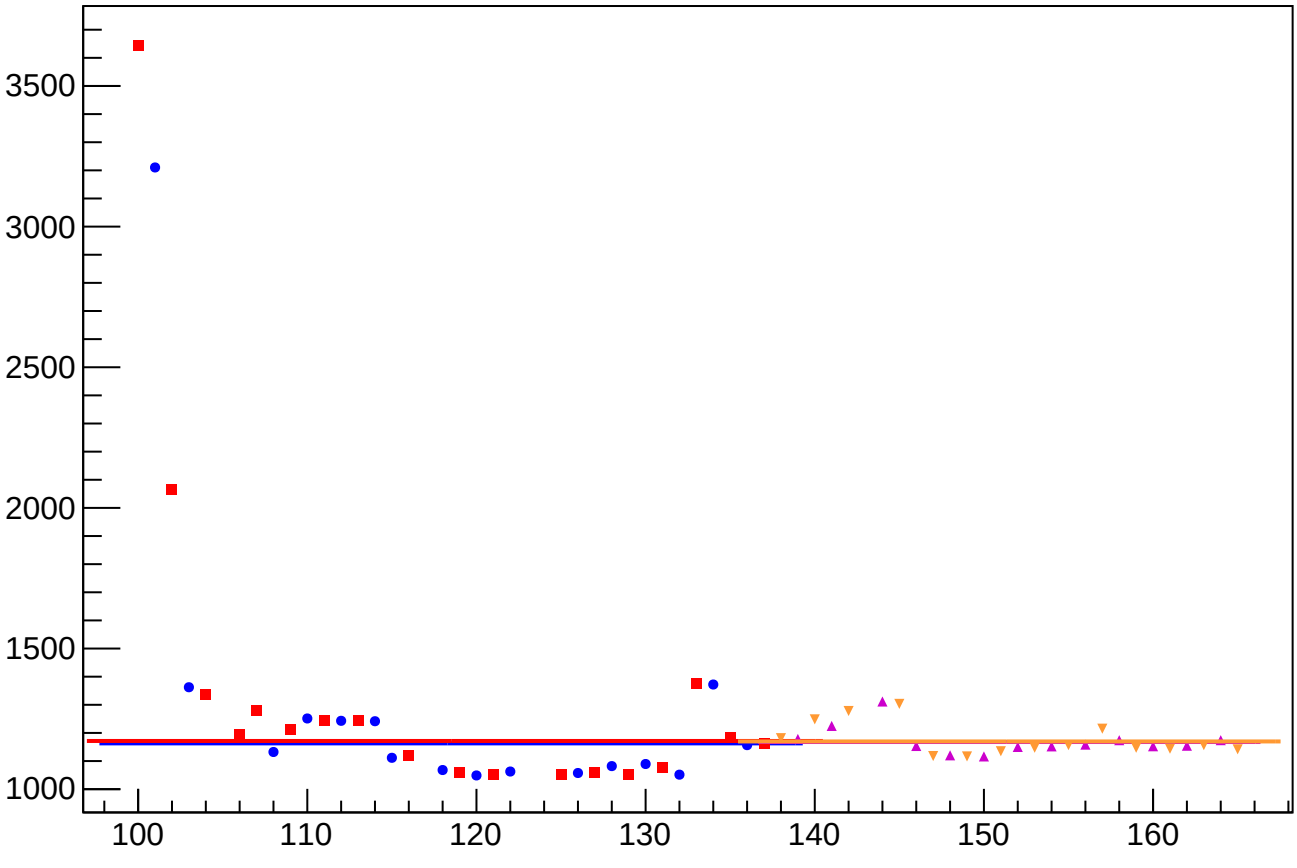
Left: -156.725+/-249.540 χ^2/NDF: 46.7/26

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -653.534+/-275.933 χ^2/NDF:25.7/28

Out: 364.723+/-277.053 χ^2/NDF:50.3/31

All: -146.468+/-195.509 χ^2/NDF: 82.8/60



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1169.741+/-0.250 χ^2/NDF:44737.2/13

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1167.689+/-0.250 χ^2/NDF:34175.7/12

Left: 1168.715+/-0.176 χ^2/NDF: 78946.7/26

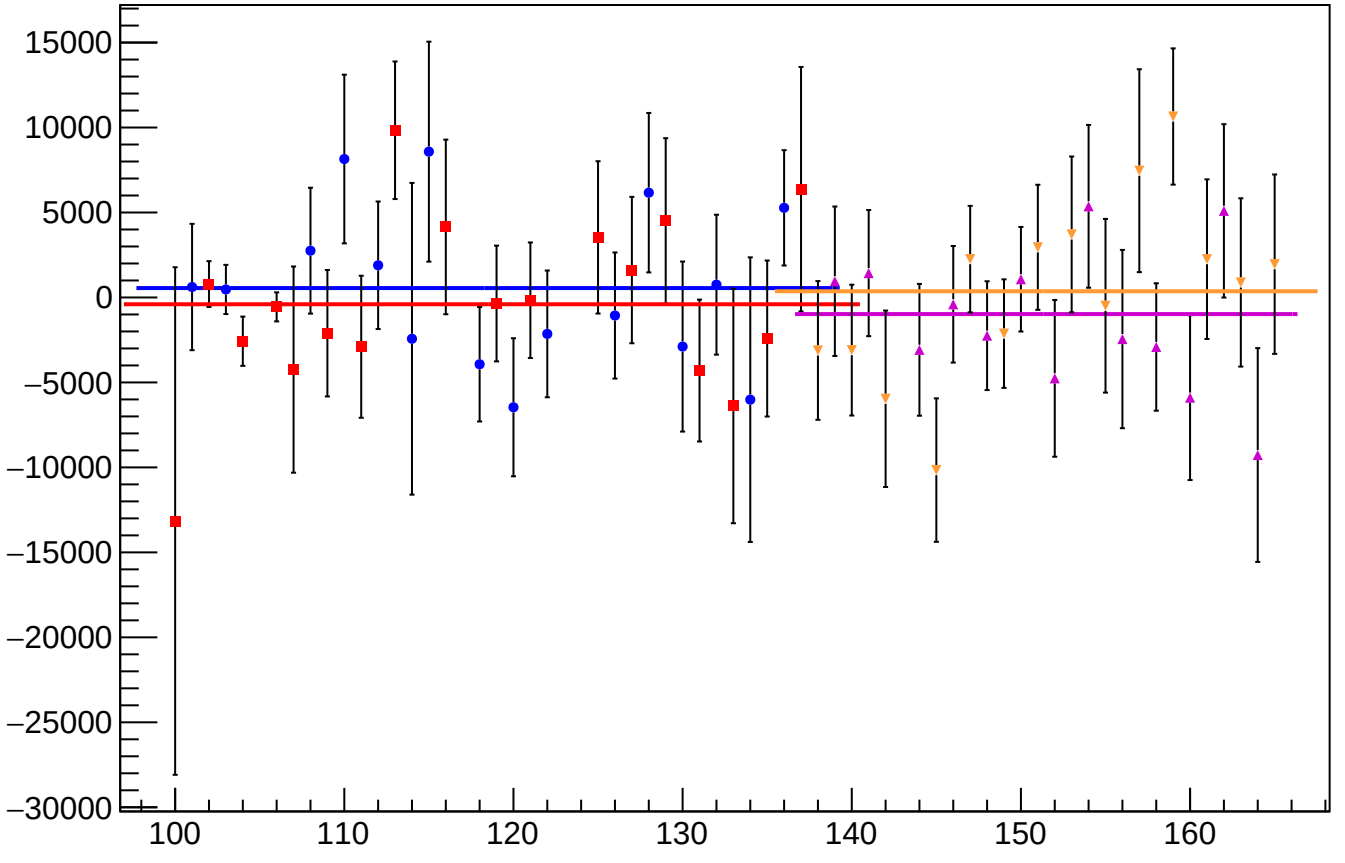
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1165.810+/-0.195 χ^2/NDF:669675.3/28

Out: 1170.386+/-0.196 χ^2/NDF:376395.0/31

All: 1168.089+/-0.138 χ^2/NDF: 1046344.3/60

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 365.277+/-1123.168 χ^2/NDF:19.5/13

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -978.728+/-1129.904 χ^2/NDF:8.5/12

Left: -302.708+/-796.571 χ^2/NDF: 28.7/26

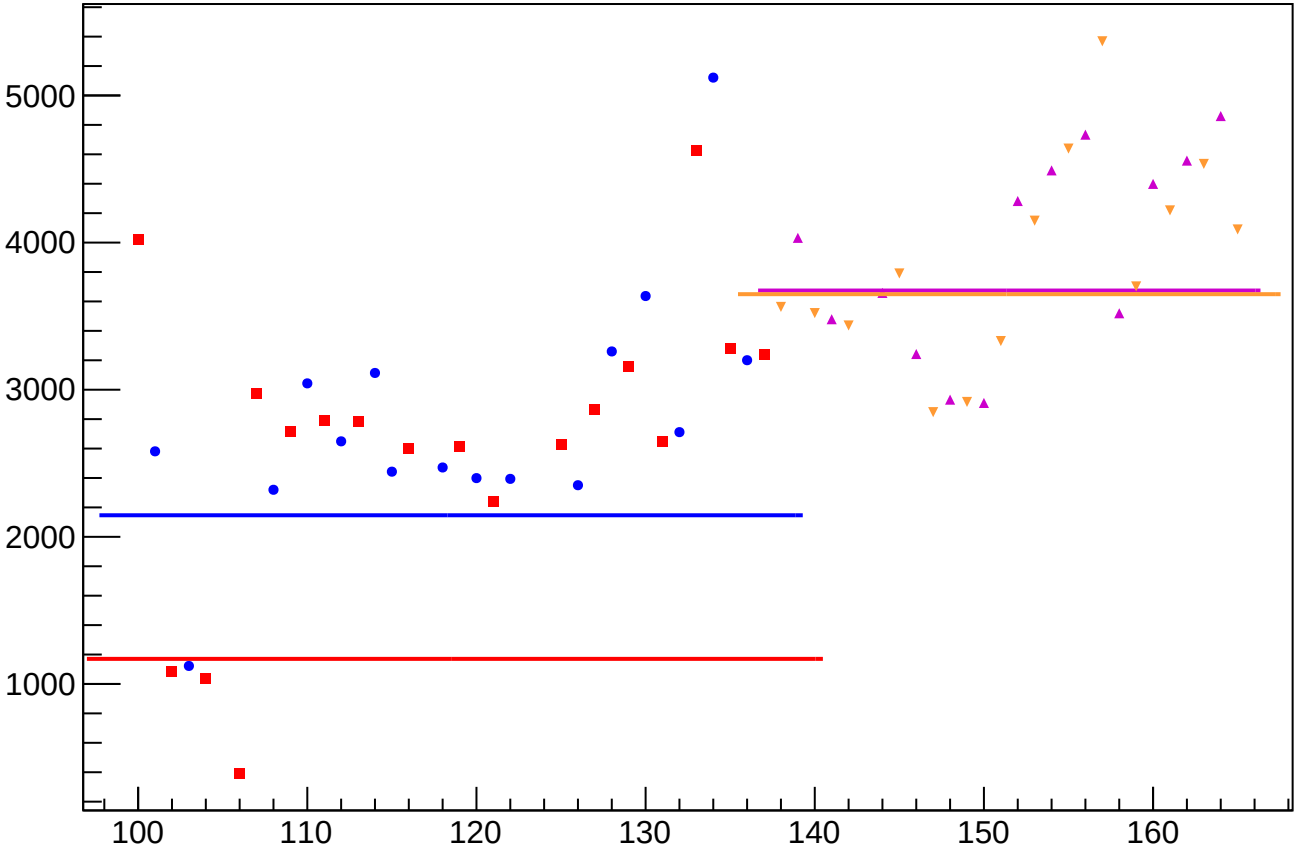
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -20.807+/-691.381 χ^2/NDF:24.0/28

Out: -245.422+/-505.352 χ^2/NDF:36.6/31

All: -167.207+/-407.985 χ^2/NDF: 60.7/60

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: 3649.331+/-0.794 χ^2/NDF:632102.6/13

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3674.137+/-0.799 χ^2/NDF:634791.4/12

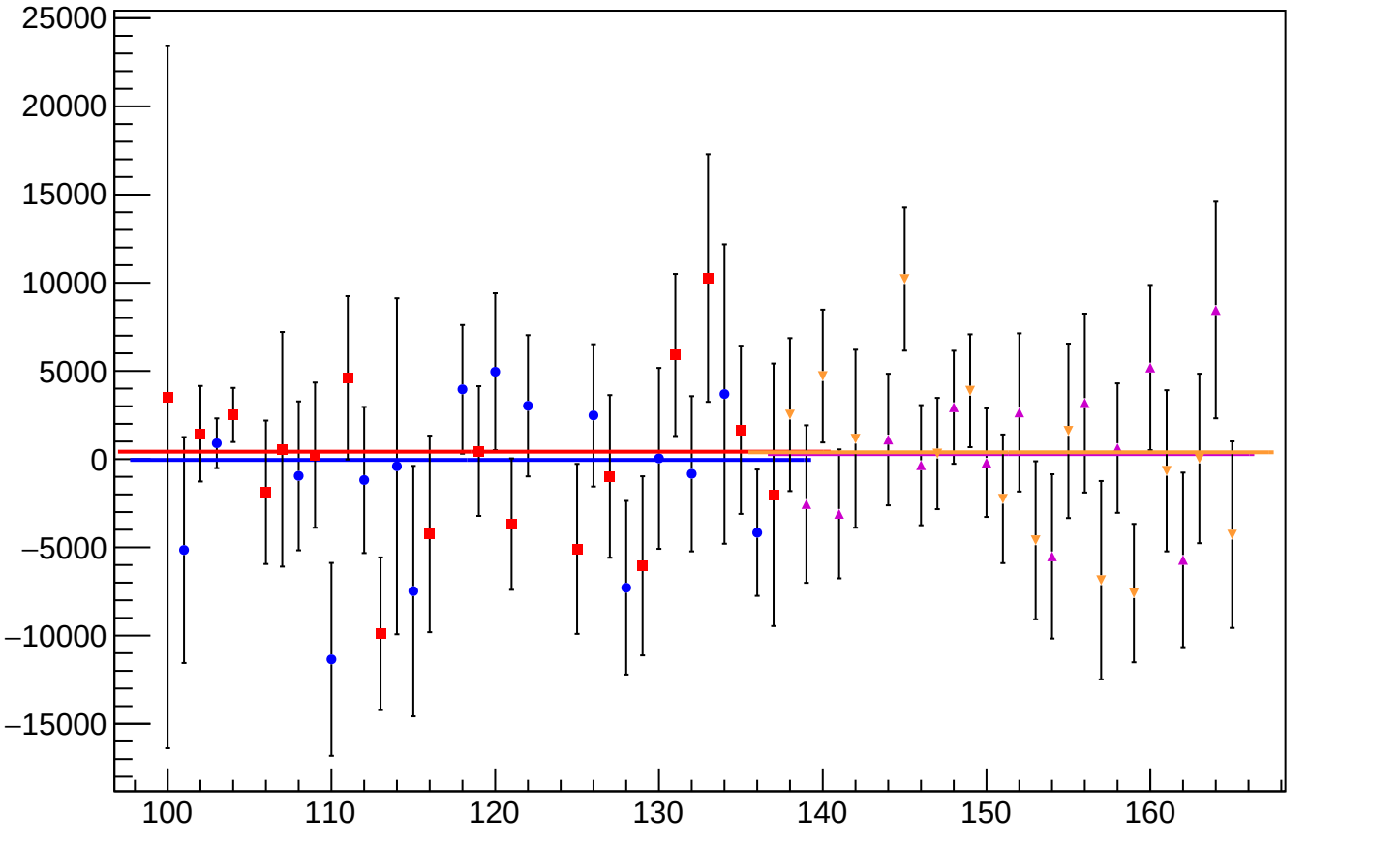
Left: 3661.660+/-0.563 χ^2/NDF: 1267378.9/26

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2718.540+/-0.489 χ^2/NDF:4896213.3/28

Out: 1672.356+/-0.357 χ^2/NDF:14218966.2/31

All: 2036.658+/-0.288 χ^2/NDF: 22099956.5/6



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 389.544+/-1109.993 χ^2/NDF:17.1/13

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 285.815+/-1112.214 χ^2/NDF:8.6/12

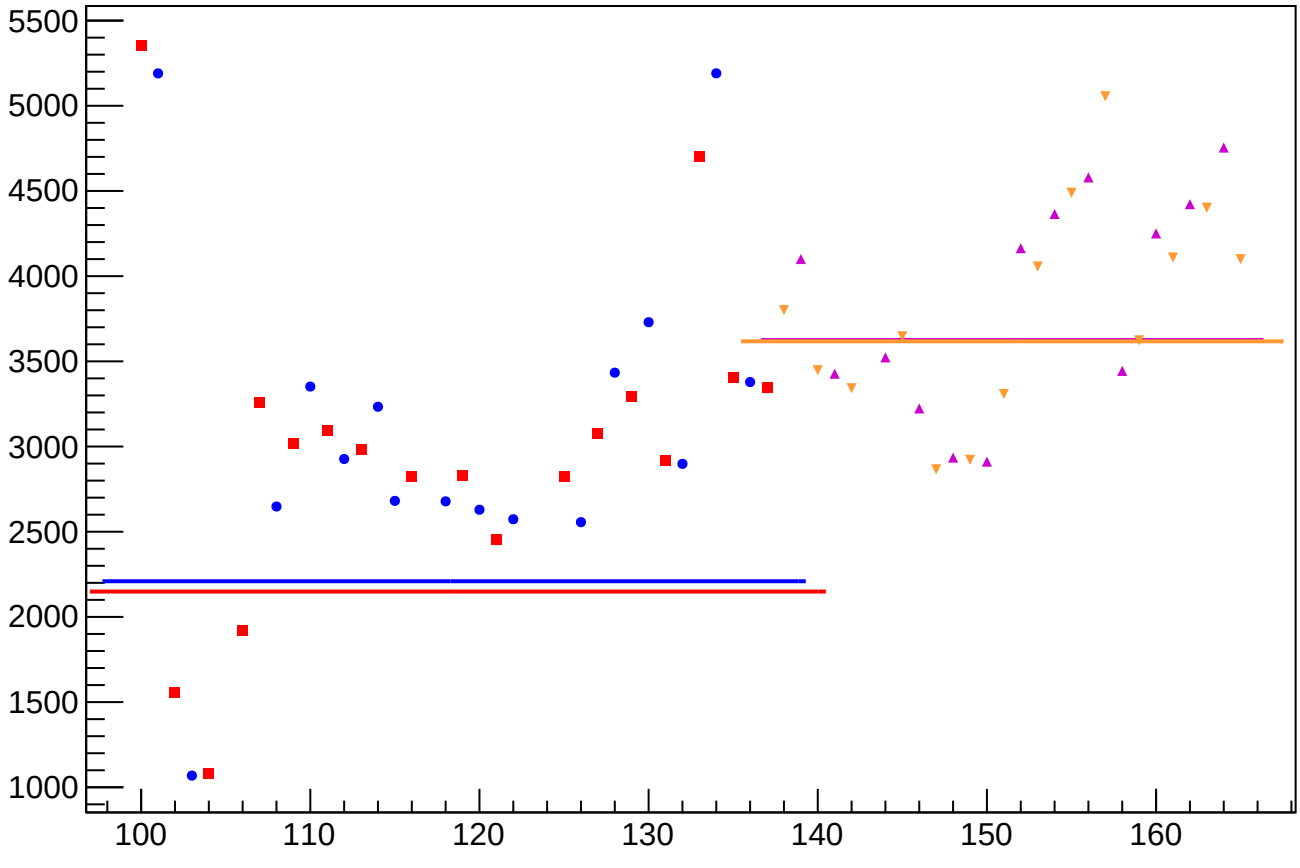
Left: 337.783+/-785.667 χ^2/NDF: 25.6/26

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: 89.597+/-709.241 χ^2/NDF:22.4/28

Out: 410.076+/-697.545 χ^2/NDF:34.4/31

All: 252.501+/-497.322 χ^2/NDF: 56.9/60



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3617.622+/-0.785 χ^2/NDF:541556.3/13

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3625.291+/-0.786 χ^2/NDF:568666.2/12

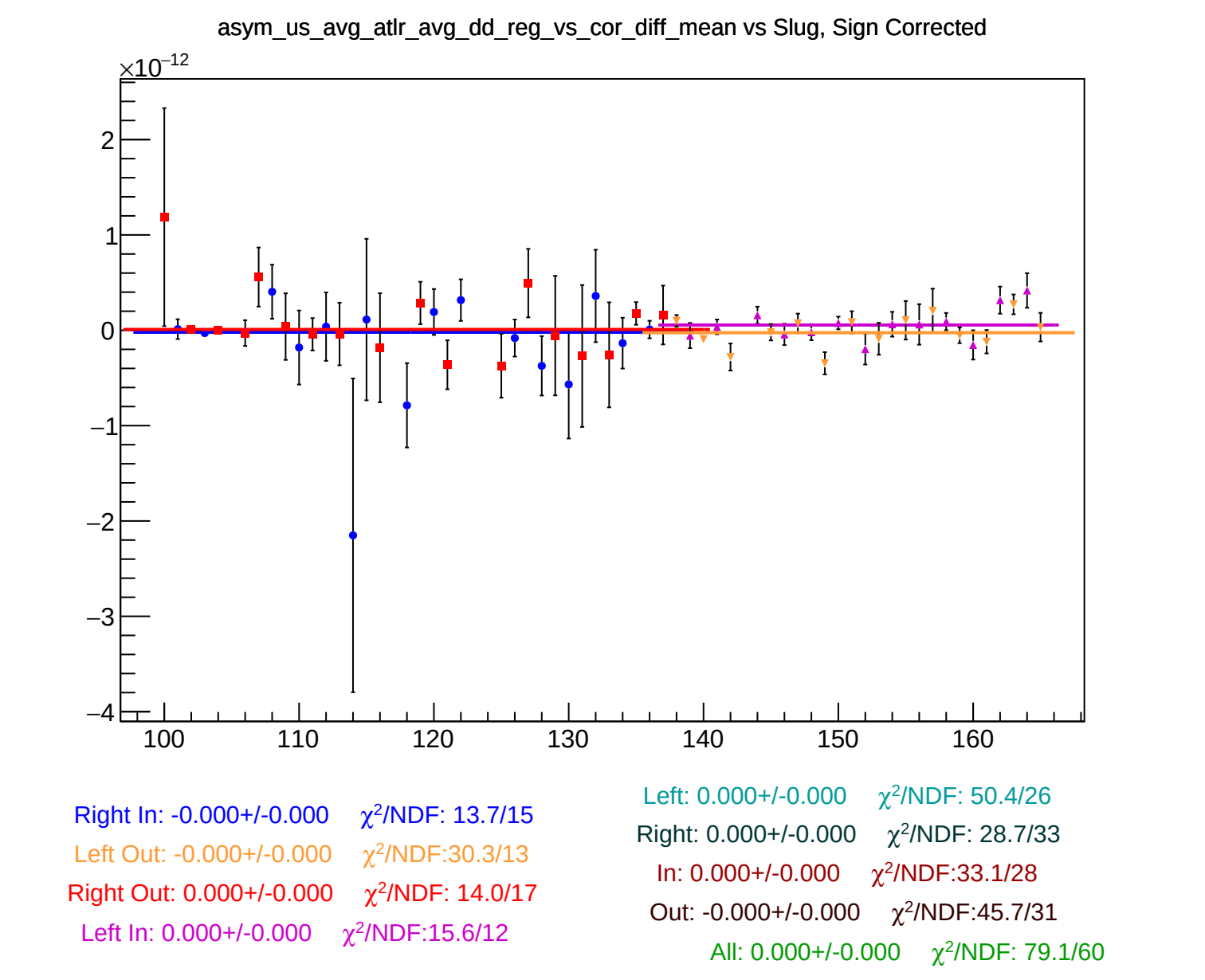
Left: 3621.449+/-0.556 χ^2/NDF: 1110270.2/26

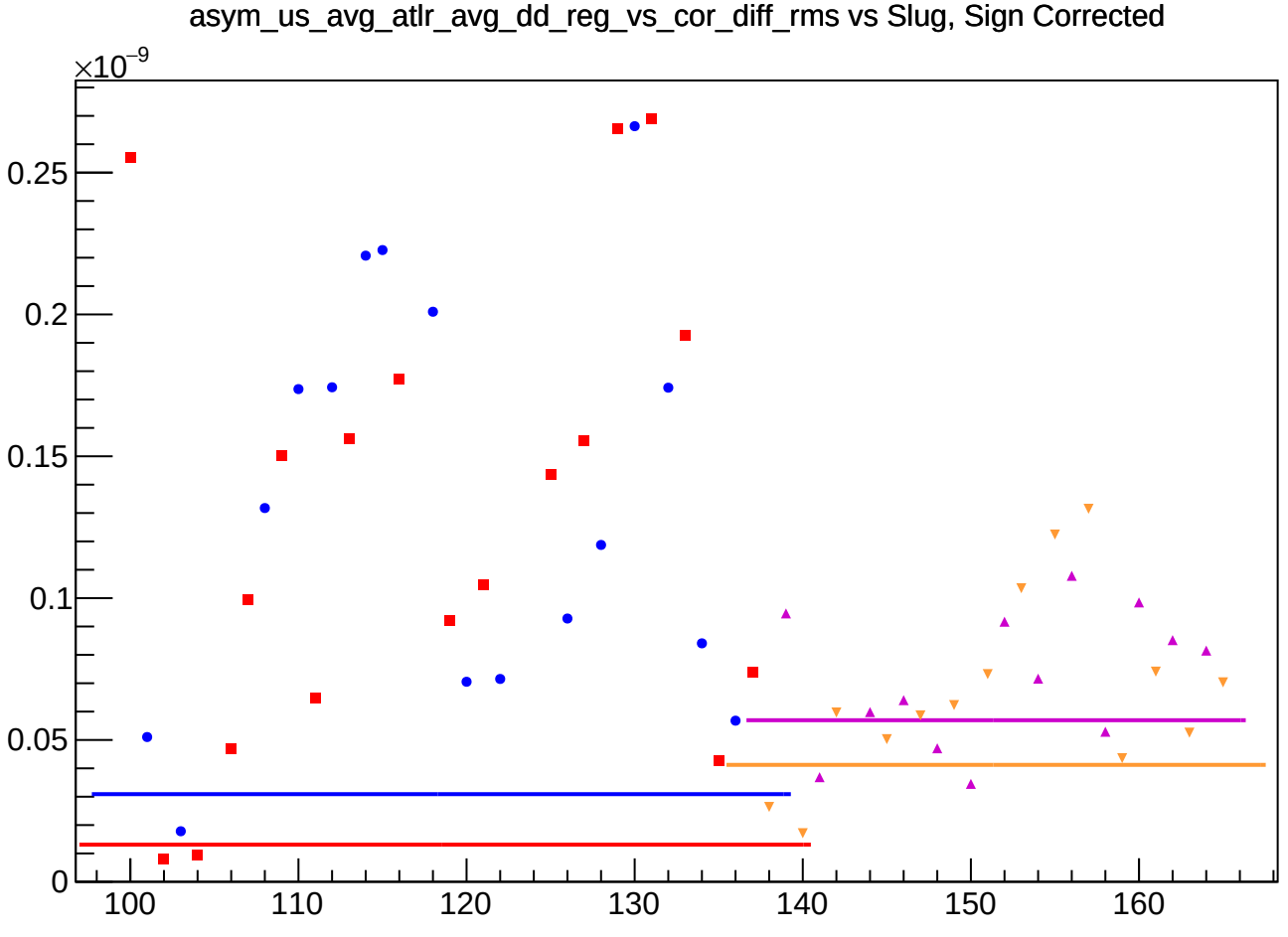
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2785.127+/-0.502 χ^2/NDF:5328911.5/28

Out: 2727.270+/-0.493 χ^2/NDF:4933858.8/31

All: 2755.676+/-0.351 χ^2/NDF: 10269545.2/6


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:30.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:15.6/12
Left: 0.000+/-0.000 χ²/NDF: 50.4/26
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: 0.000+/-0.000 χ²/NDF:33.1/28
Out: -0.000+/-0.000 χ²/NDF:45.7/31
All: 0.000+/-0.000 χ²/NDF: 79.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2296471.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1058935.2/12

Left: 0.000+/-0.000 χ^2/NDF: 3699405.8/26

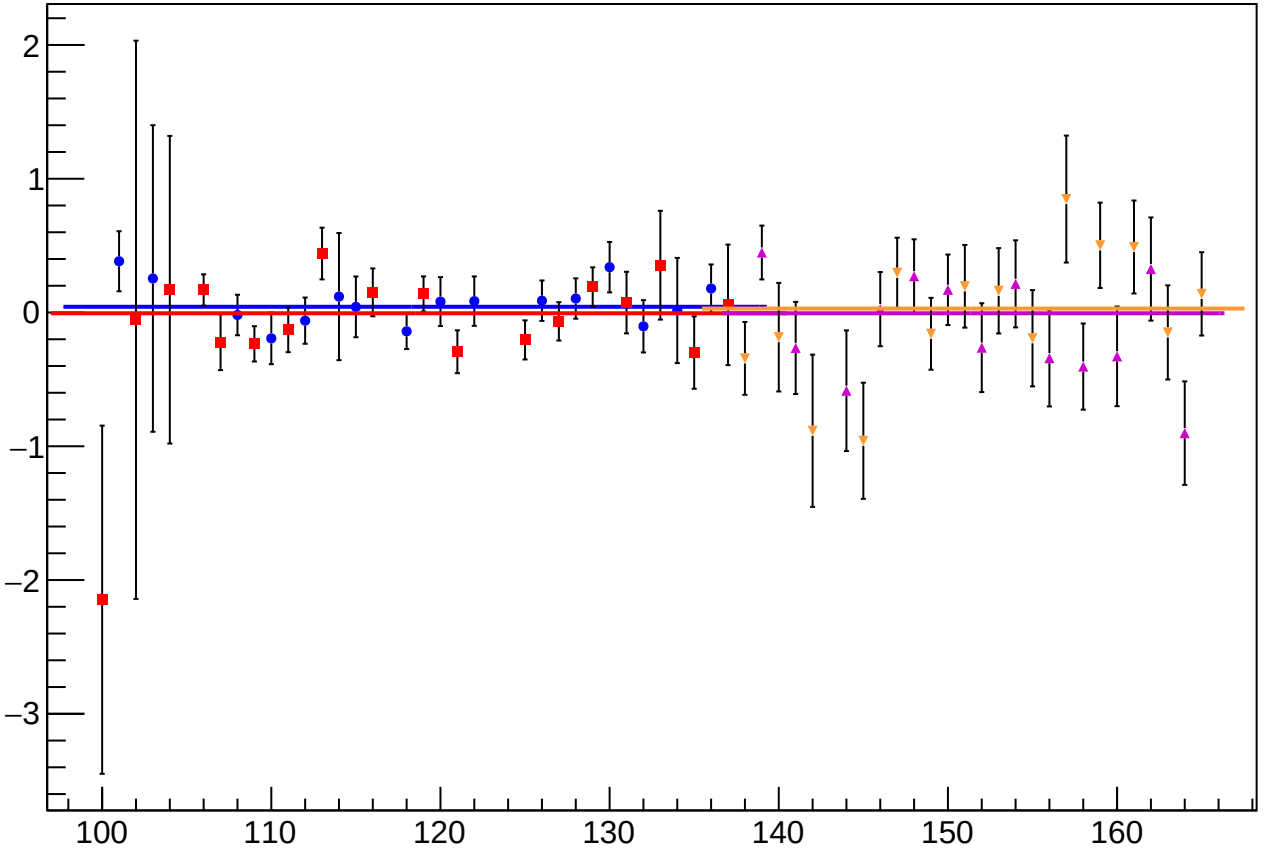
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4955777.7/28

Out: 0.000+/-0.000 χ^2/NDF:7937544.8/31

All: 0.000+/-0.000 χ^2/NDF: 14585726.4/60

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: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.011+/-0.062 χ^2/NDF: 38.7/26

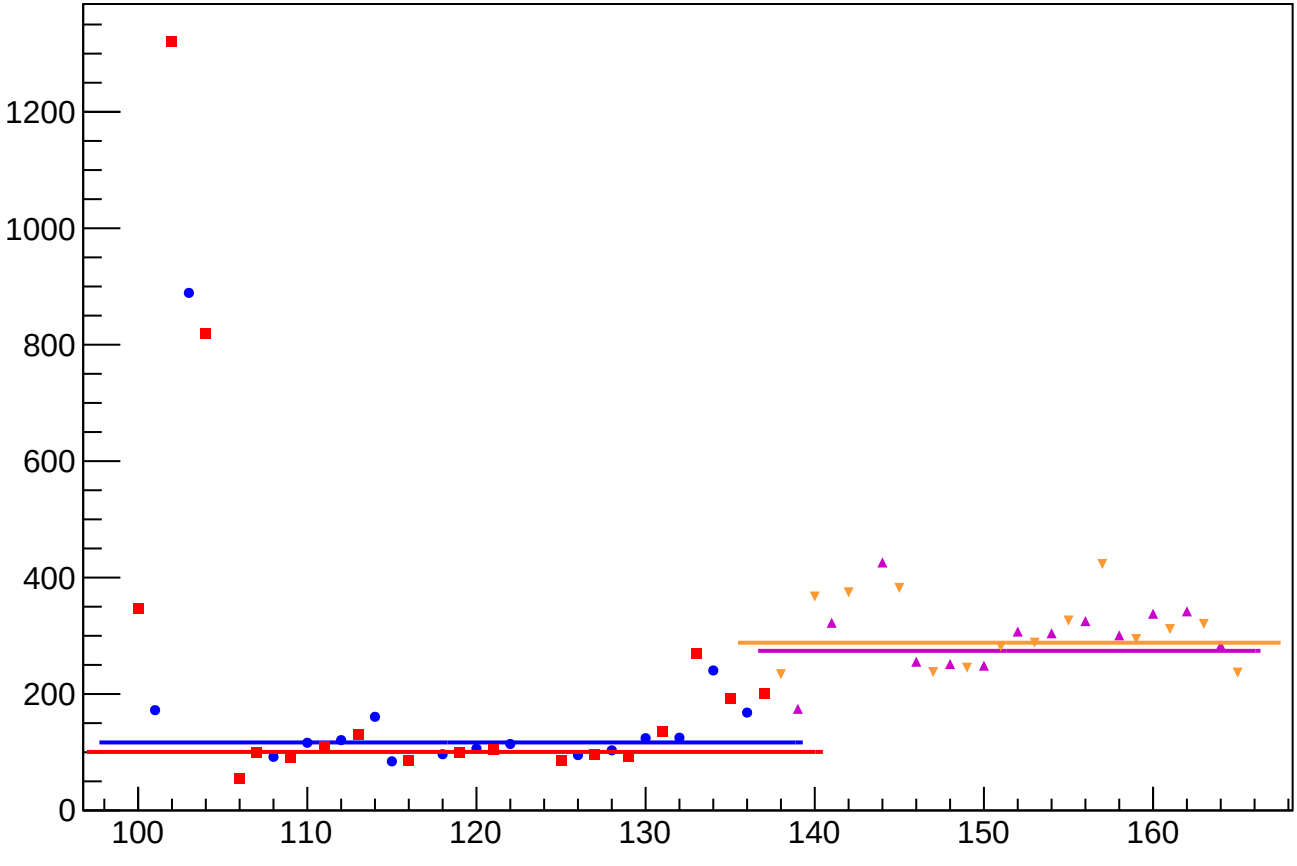
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.015+/-0.028 χ^2/NDF: 75.6/60

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.131+/-0.063 χ^2/NDF:687425.9/13

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

Left: 280.889+/-0.044 χ^2/NDF: 1721840.7/26

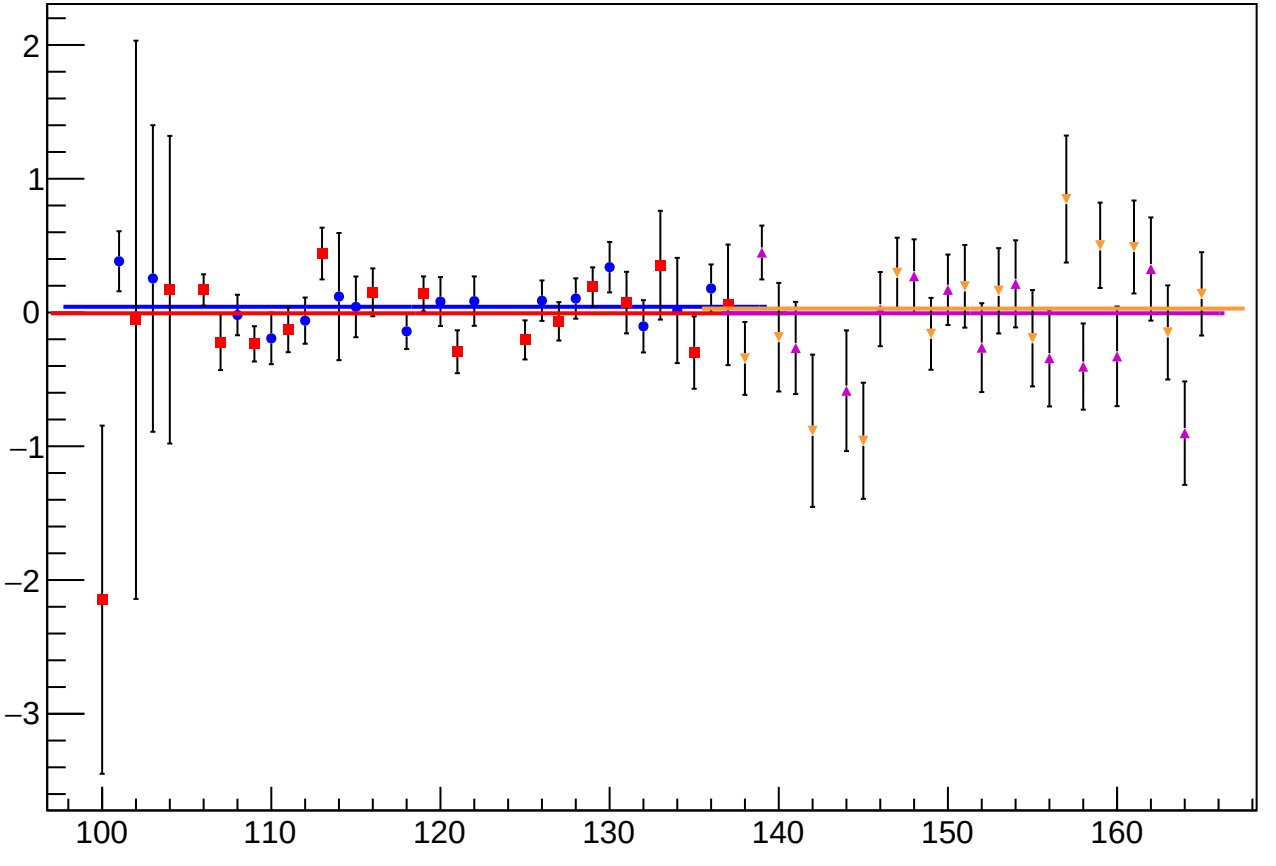
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 153.532+/-0.029 χ^2/NDF:7754085.4/28

Out: 136.338+/-0.028 χ^2/NDF:10487426.3/31

All: 144.393+/-0.020 χ^2/NDF: 18423416.4/60

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: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.011+/-0.062 χ^2/NDF: 38.7/26

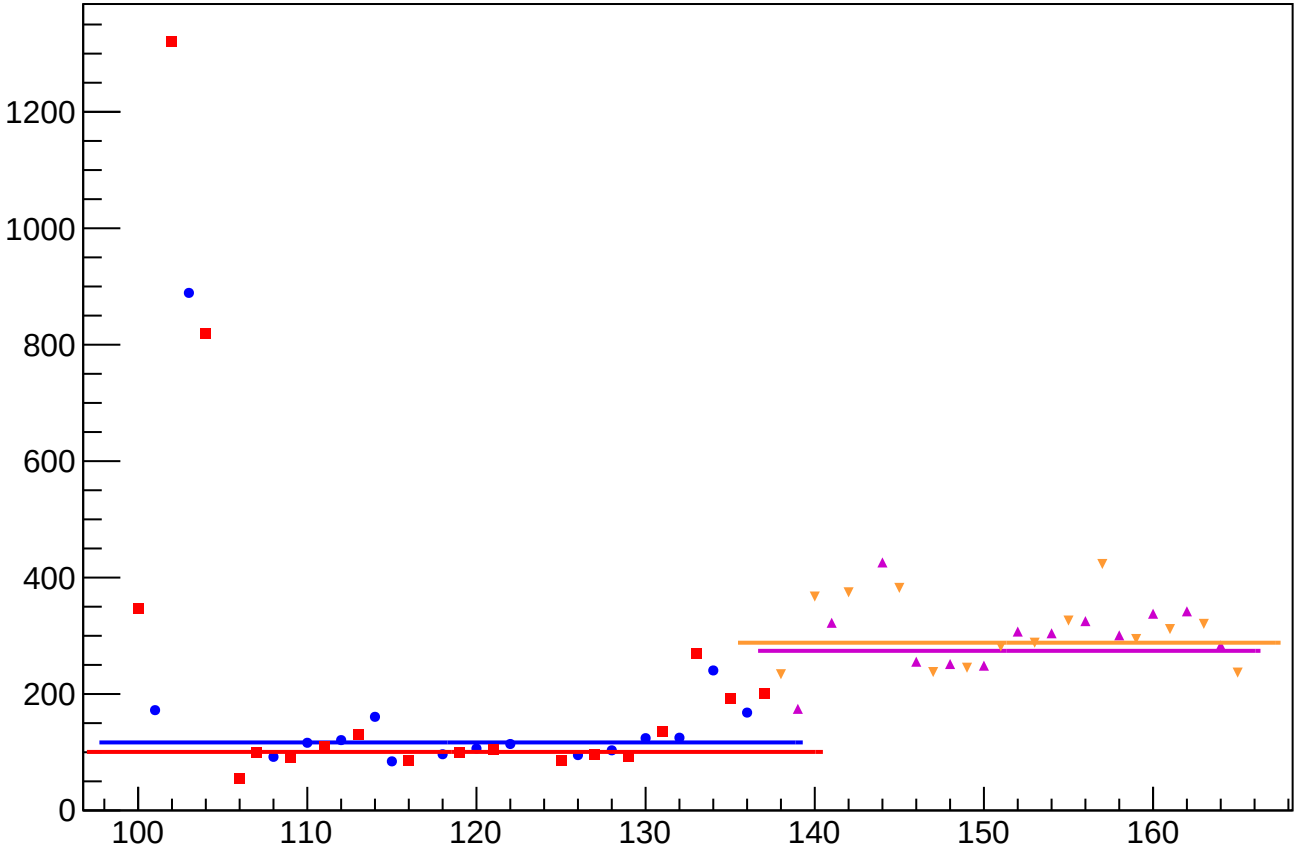
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.015+/-0.028 χ^2/NDF: 75.6/60

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: 288.131+/-0.063 χ^2/NDF:687425.9/13

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

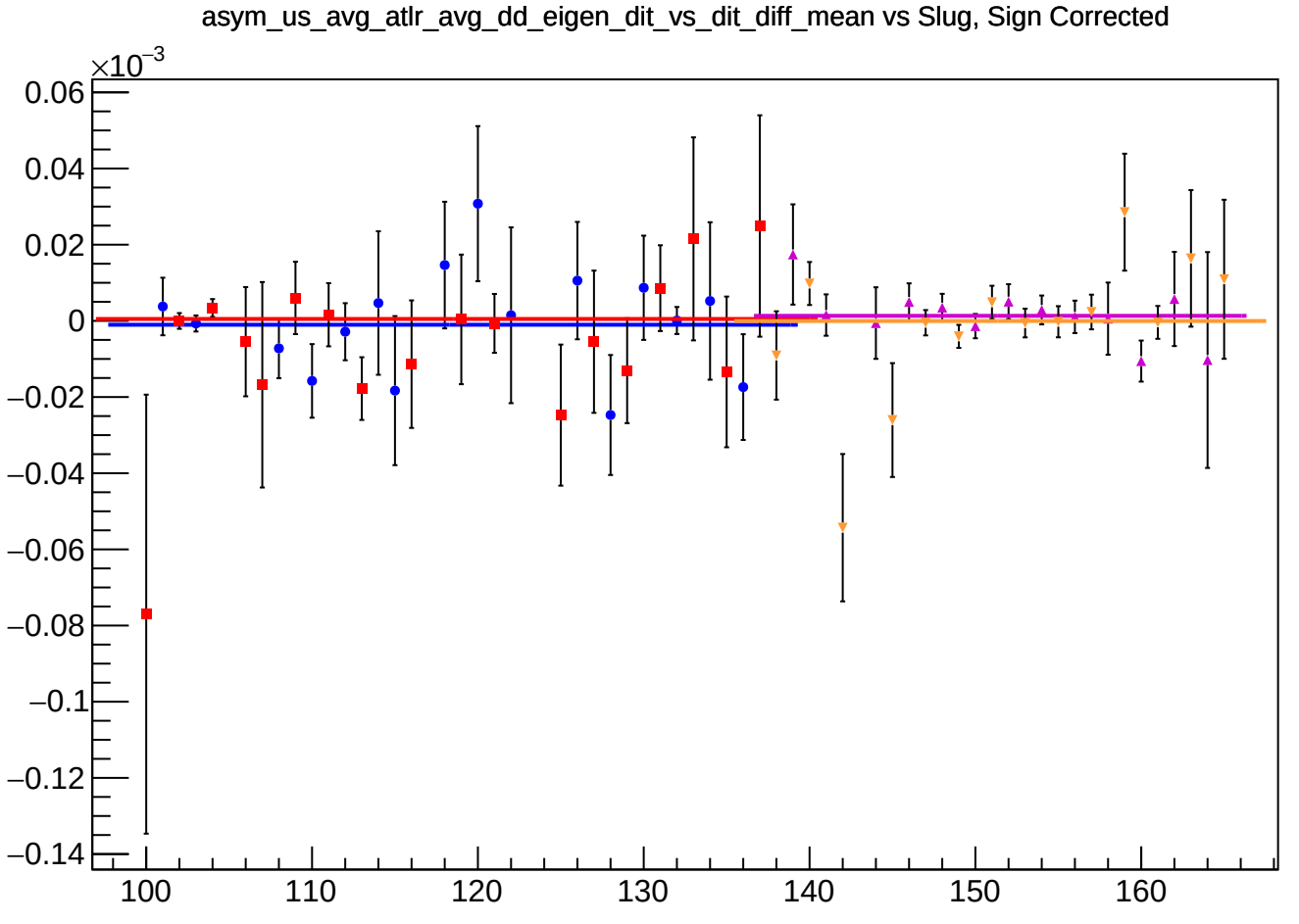
Left: 280.889+/-0.044 χ^2/NDF: 1721840.7/26

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 153.532+/-0.029 χ^2/NDF:7754085.4/28

Out: 136.338+/-0.028 χ^2/NDF:10487426.3/31

All: 144.393+/-0.020 χ^2/NDF: 18423416.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

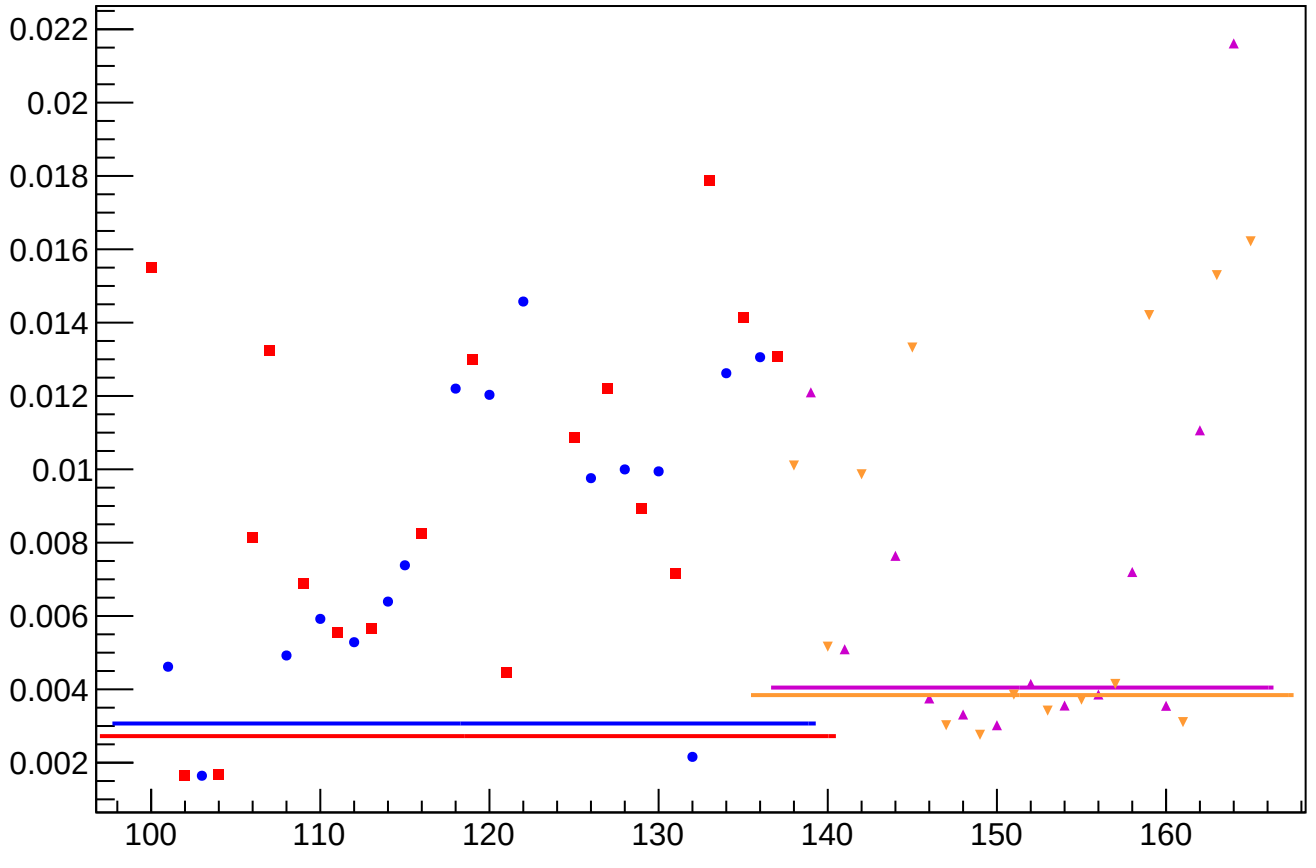
Left: 0.000+/-0.000 χ^2/NDF: 32.2/26

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:22.9/28

Out: 0.000+/-0.000 χ^2/NDF:37.7/31

All: 0.000+/-0.000 χ^2/NDF: 60.6/60



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:4592847.0/13

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:3099338.2/12

Left: 0.004+/-0.000 χ^2/NDF: 7713947.3/26

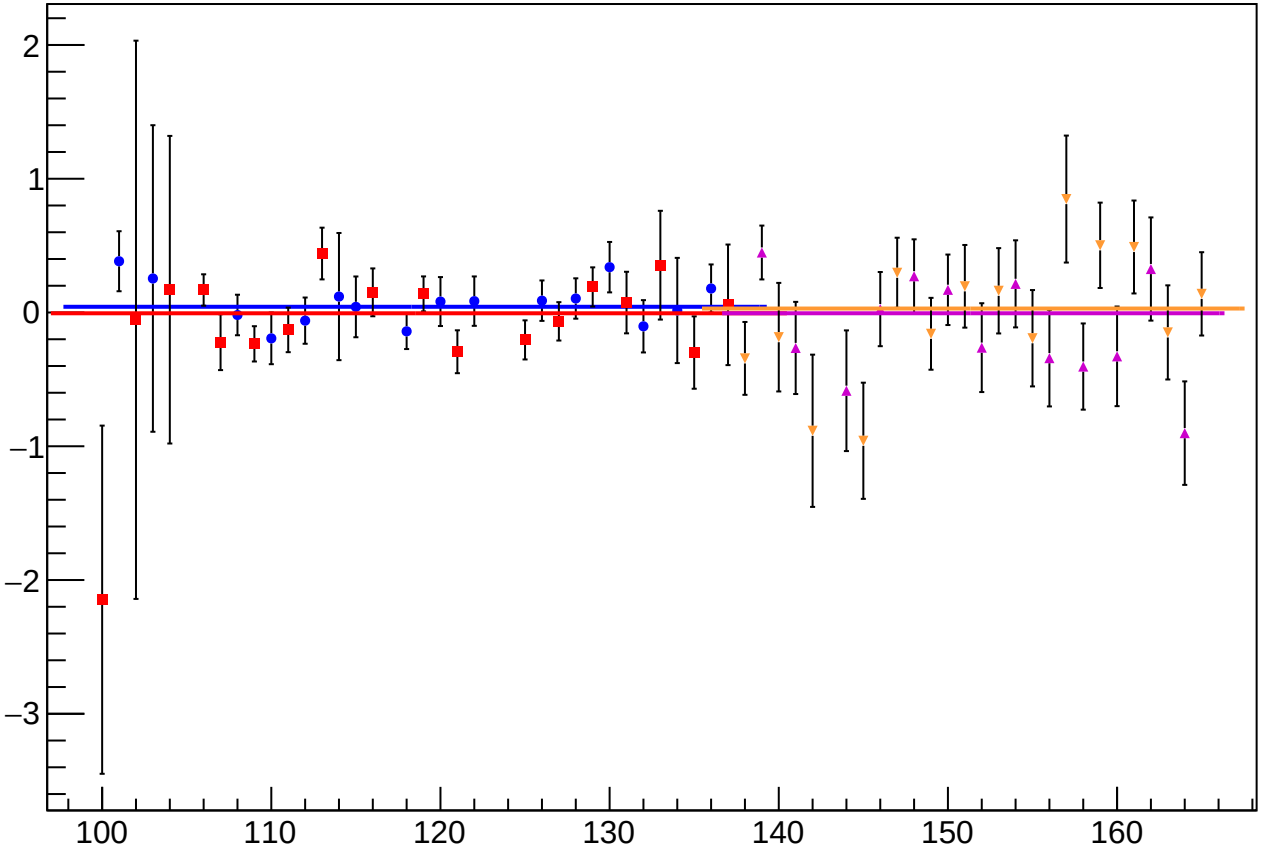
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:9487484.0/28

Out: 0.003+/-0.000 χ^2/NDF:11965265.1/31

All: 0.003+/-0.000 χ^2/NDF: 21546067.9/60

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: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.011+/-0.062 χ^2/NDF: 38.7/26

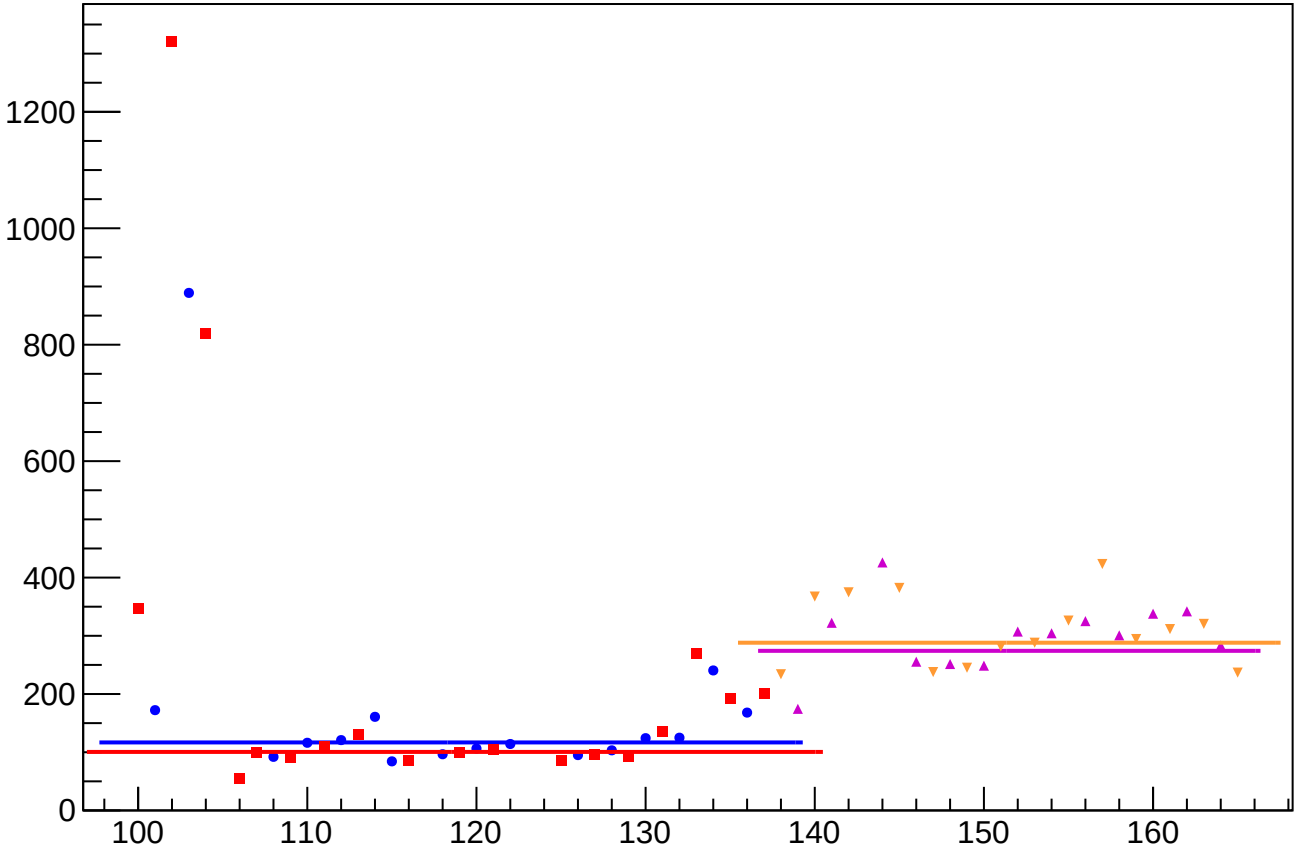
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.015+/-0.028 χ^2/NDF: 75.6/60

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: 288.135+/-0.063 χ^2/NDF:687418.3/13

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

Left: 280.893+/-0.044 χ^2/NDF: 1721795.5/26

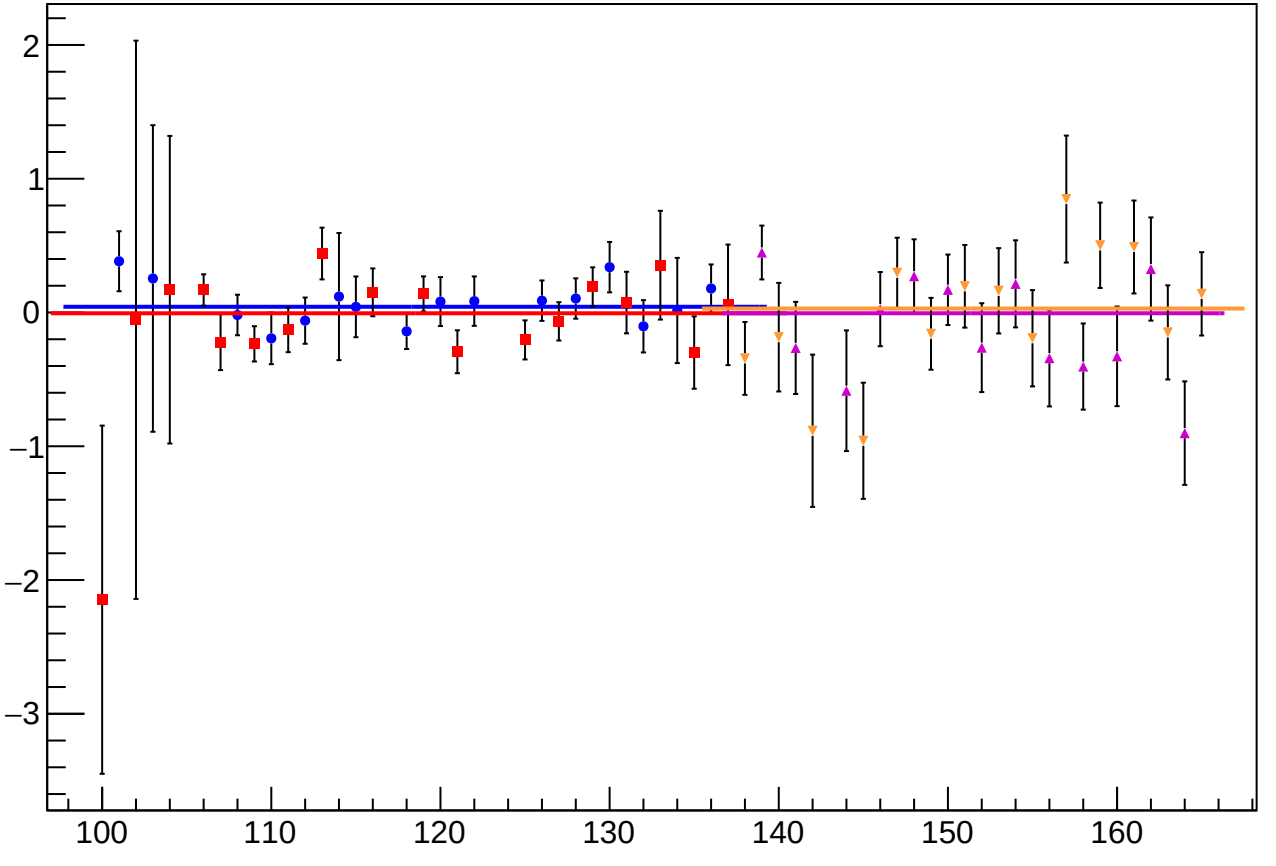
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 153.532+/-0.029 χ^2/NDF:7754211.9/28

Out: 136.337+/-0.028 χ^2/NDF:10487737.3/31

All: 144.393+/-0.020 χ^2/NDF: 18423879.0/60

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: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.011+/-0.062 χ^2/NDF: 38.7/26

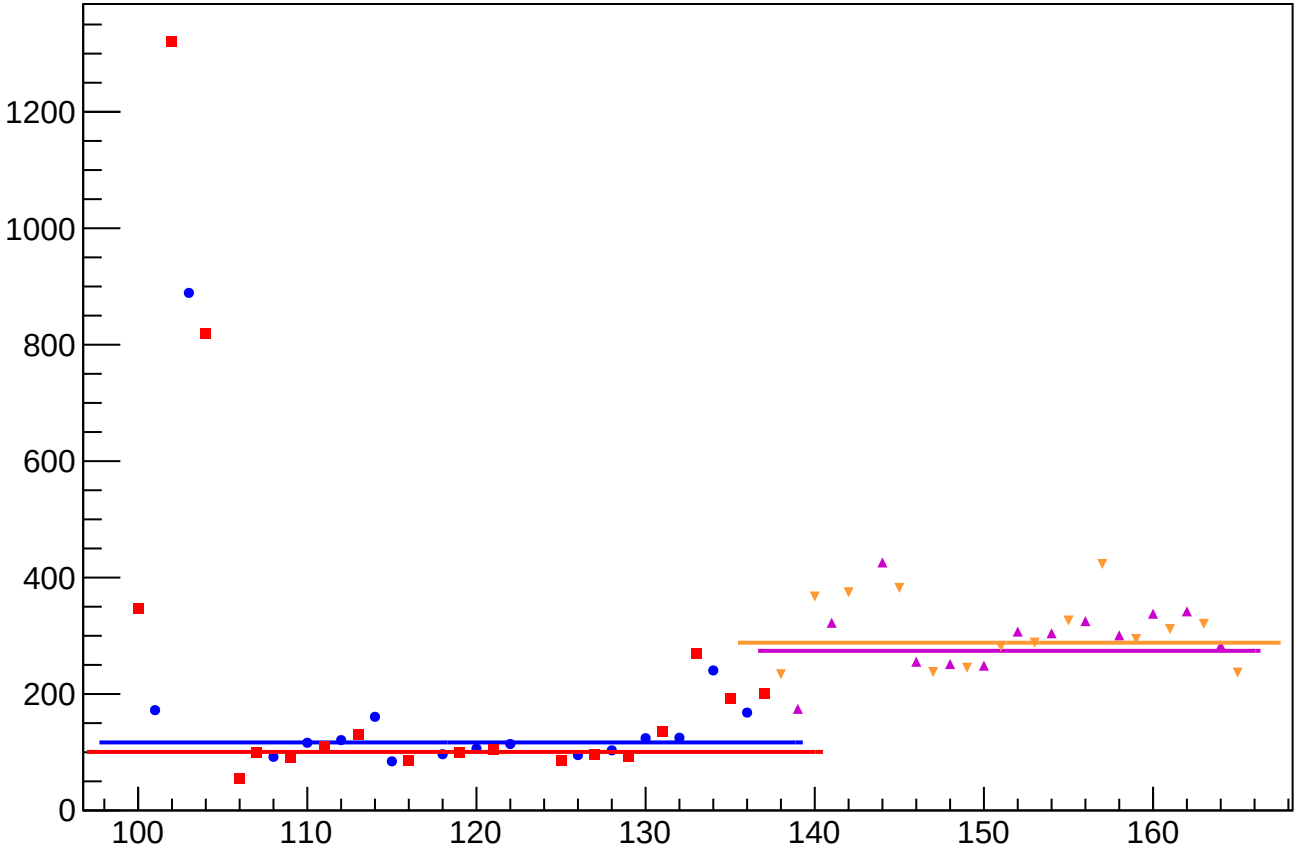
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.015+/-0.028 χ^2/NDF: 75.6/60

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: 288.135+/-0.063 χ^2/NDF:687418.3/13

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

Left: 280.893+/-0.044 χ^2/NDF: 1721795.5/26

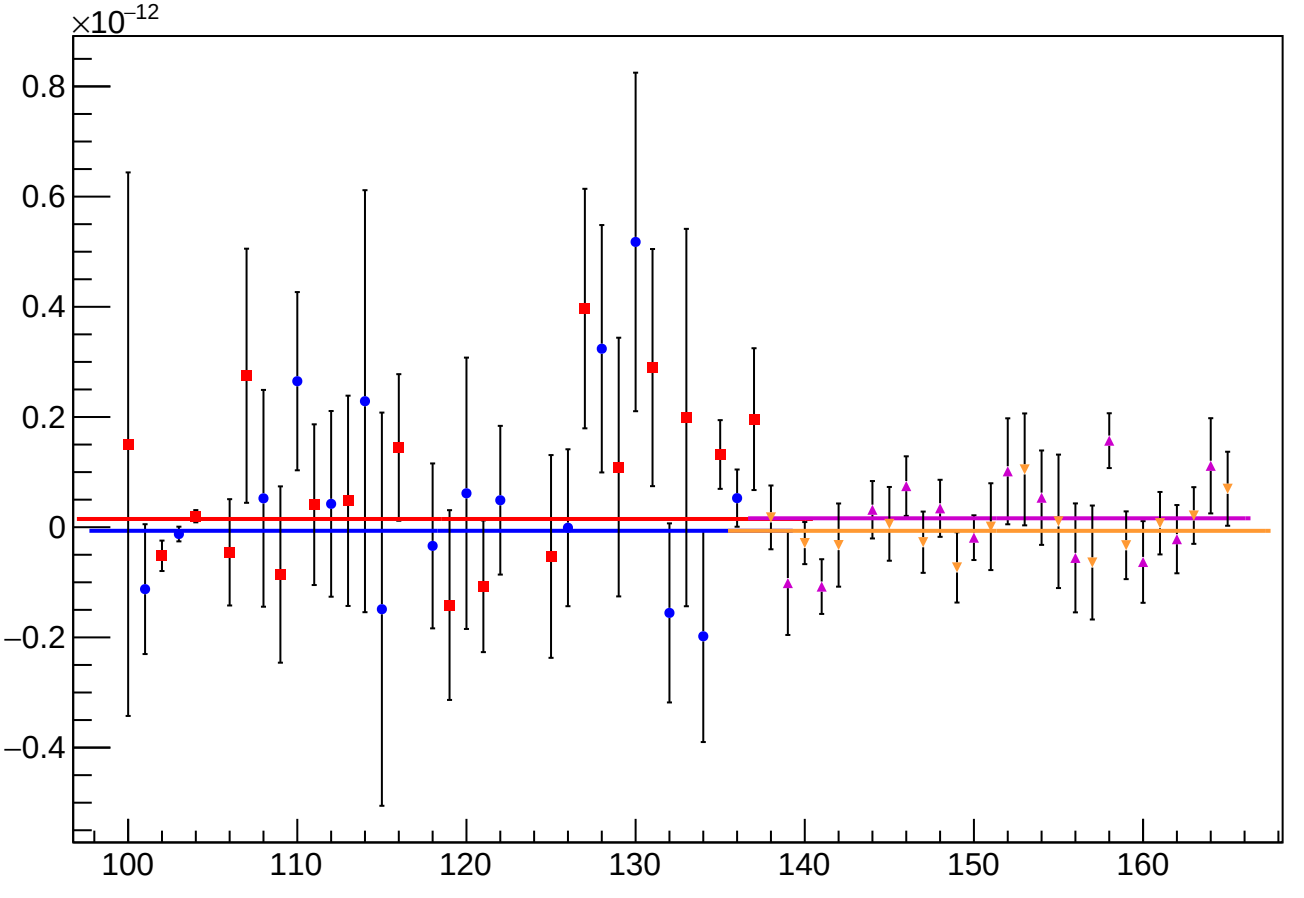
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 153.532+/-0.029 χ^2/NDF:7754211.9/28

Out: 136.337+/-0.028 χ^2/NDF:10487737.3/31

All: 144.393+/-0.020 χ^2/NDF: 18423879.0/60

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/12

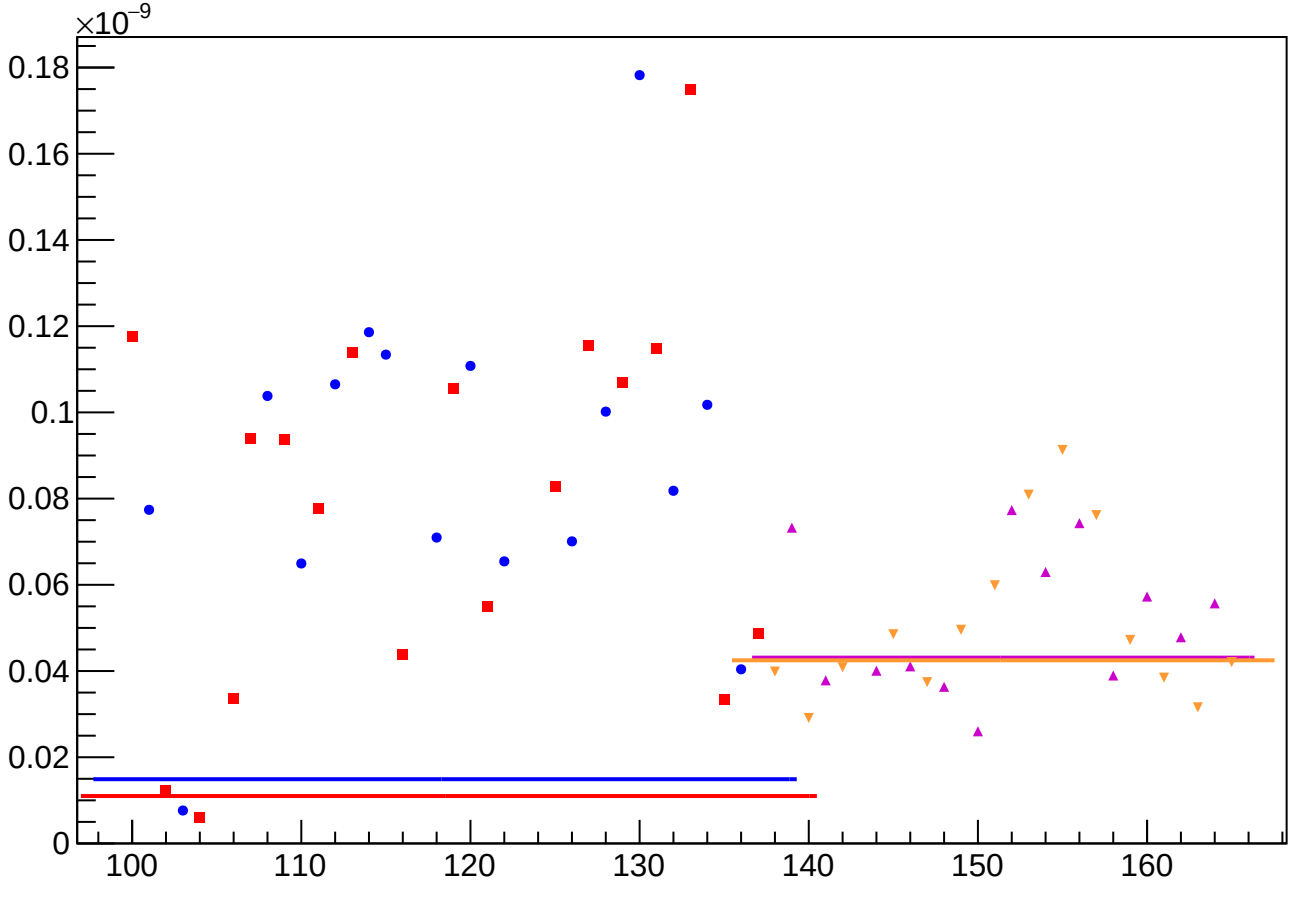
Left: 0.000+/-0.000 χ^2/NDF: 28.4/26

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:36.4/28

Out: 0.000+/-0.000 χ^2/NDF:28.4/31

All: 0.000+/-0.000 χ^2/NDF: 65.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340264.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1327000.2/12

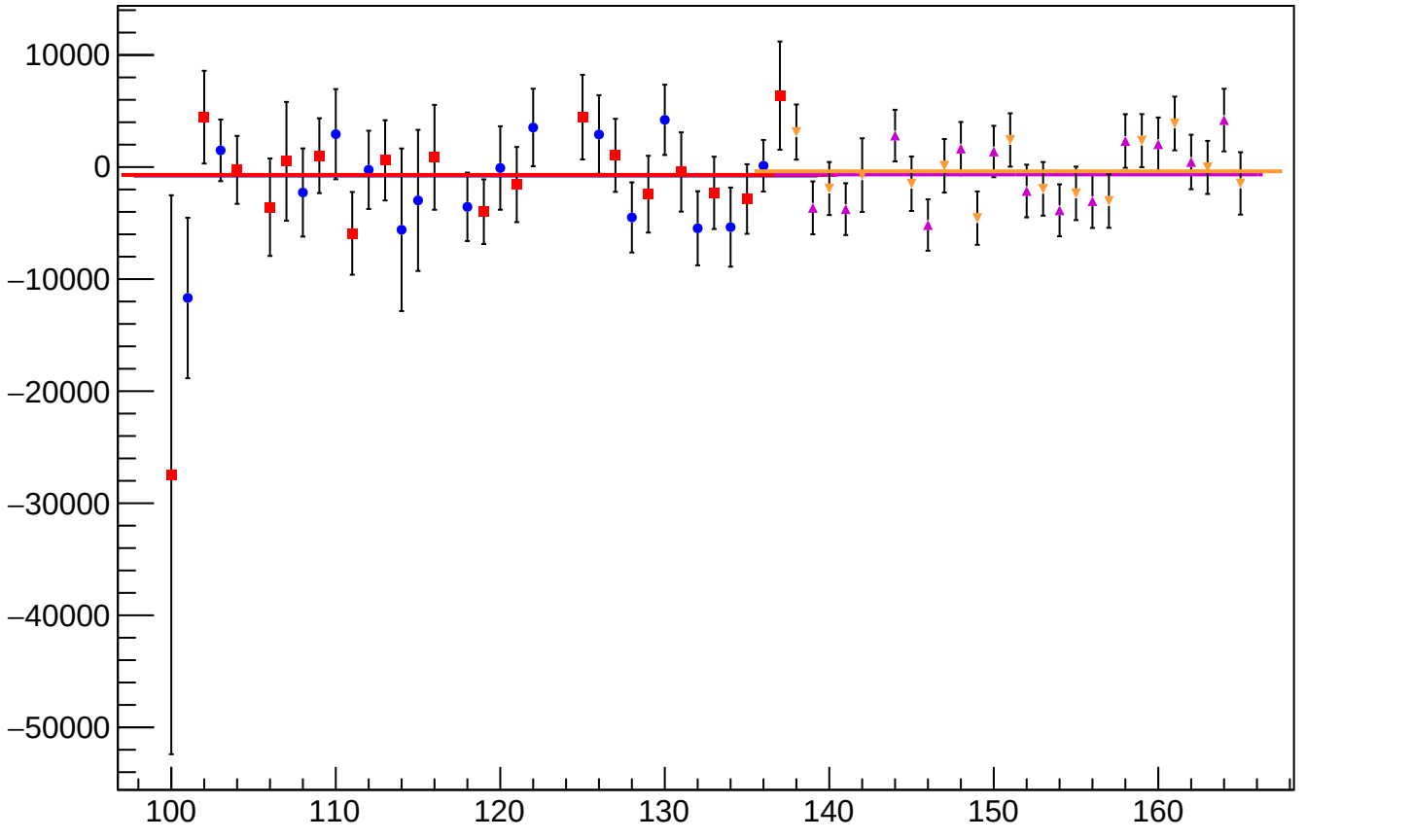
Left: 0.000+/-0.000 χ^2/NDF: 2668611.8/26

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:10848771.1/28

Out: 0.000+/-0.000 χ^2/NDF:12430571.2/31

All: 0.000+/-0.000 χ^2/NDF: 23669937.0/60



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -379.855+/-656.796 χ^2/NDF:14.2/13

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -655.916+/-659.119 χ^2/NDF:20.6/12

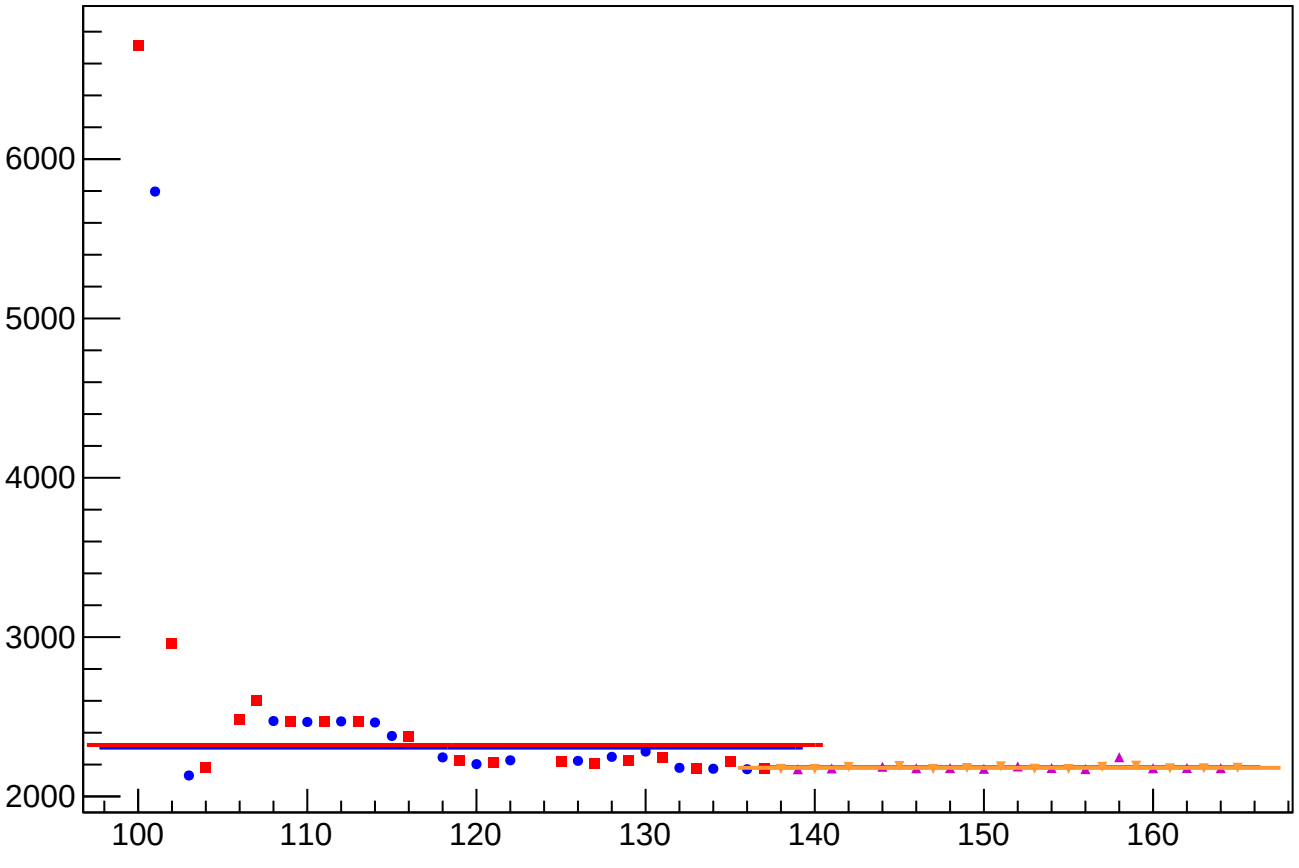
Left: -517.399+/-465.244 χ^2/NDF: 34.9/26

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -691.652+/-525.953 χ^2/NDF:36.5/28

Out: -497.107+/-523.895 χ^2/NDF:26.6/31

All: -593.998+/-371.175 χ^2/NDF: 63.2/60



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

Left: 2181.393+/-0.329 χ^2/NDF: 1893.5/26

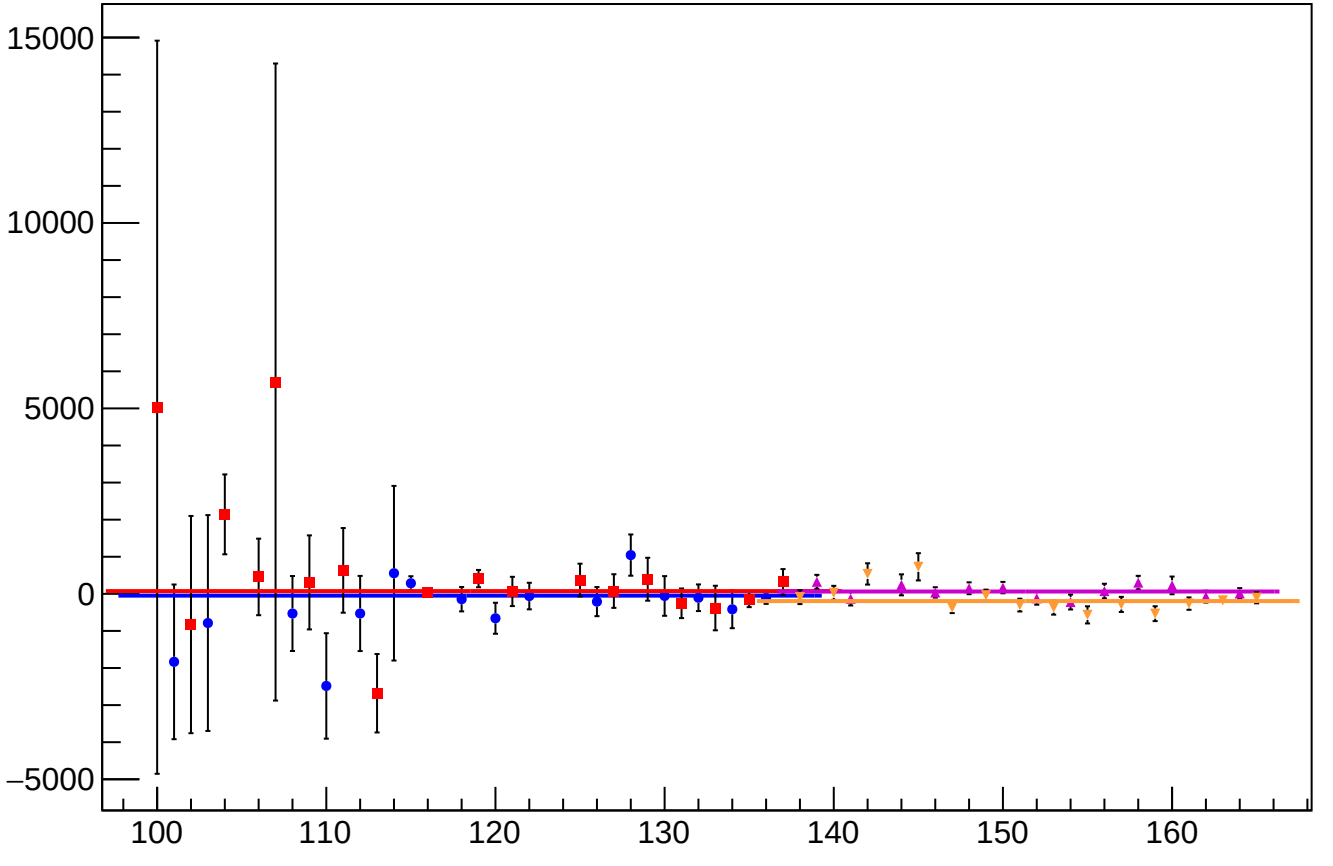
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2228.006+/-0.372 χ^2/NDF:541276.8/28

Out: 2231.799+/-0.370 χ^2/NDF:186690.5/31

All: 2229.910+/-0.262 χ^2/NDF: 728019.5/60

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: -194.953+/-47.823 χ^2/NDF:24.6/13

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 62.778+/-48.556 χ^2/NDF:10.5/12

Left: -68.048+/-34.072 χ^2/NDF: 49.3/26

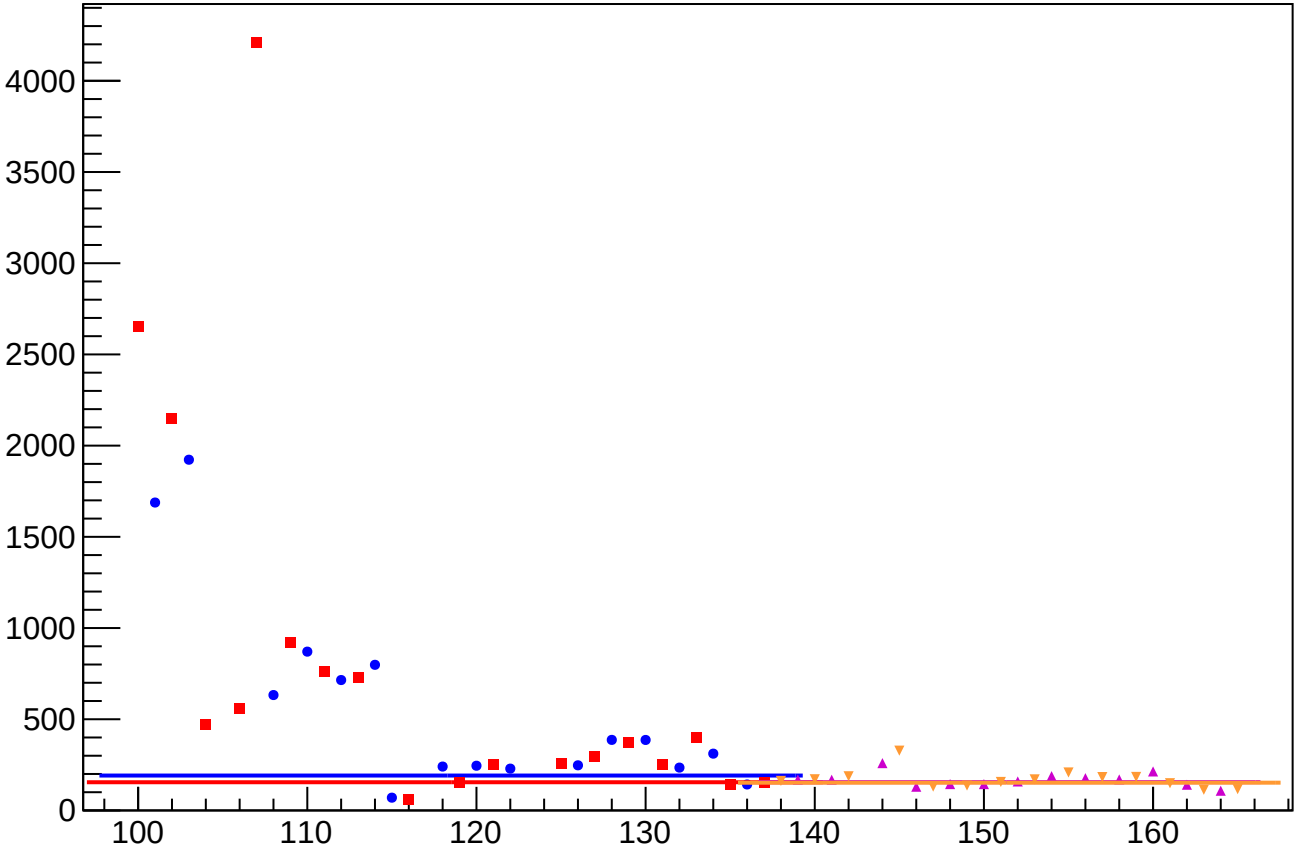
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 38.208+/-42.830 χ^2/NDF:26.0/28

Out: -127.116+/-41.359 χ^2/NDF:50.2/31

All: -47.341+/-29.752 χ^2/NDF: 83.9/60

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: 152.251+/-0.034 χ^2/NDF:1106979.1/13

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 155.232+/-0.034 χ^2/NDF:825597.4/12

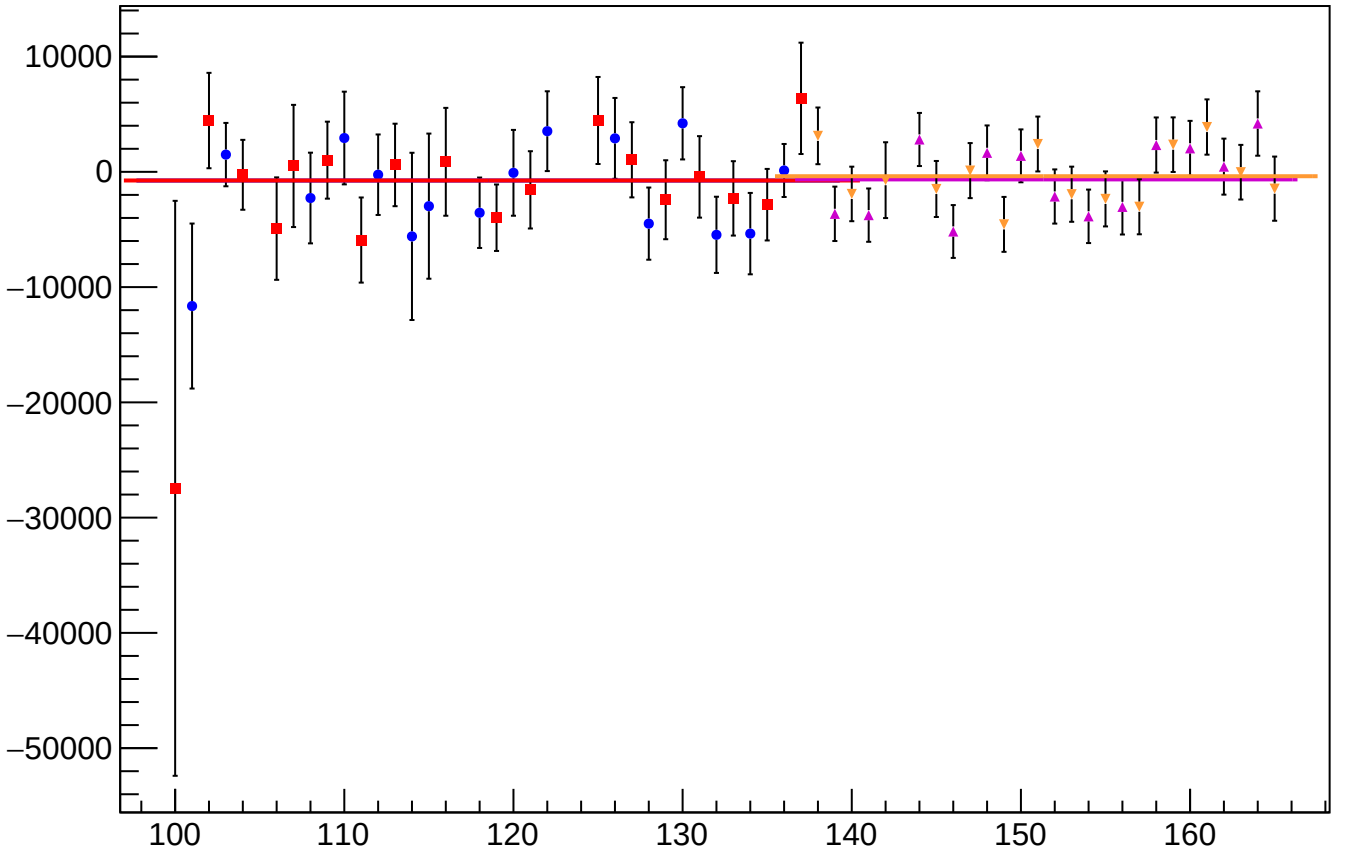
Left: 153.719+/-0.024 χ^2/NDF: 1936403.6/26

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 163.255+/-0.030 χ^2/NDF:6136354.4/28

Out: 152.862+/-0.029 χ^2/NDF:7262561.6/31

All: 157.877+/-0.021 χ^2/NDF: 13459851.0/60



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -379.845+/-656.796 χ^2/NDF:14.2/13

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -655.841+/-659.119 χ^2/NDF:20.6/12

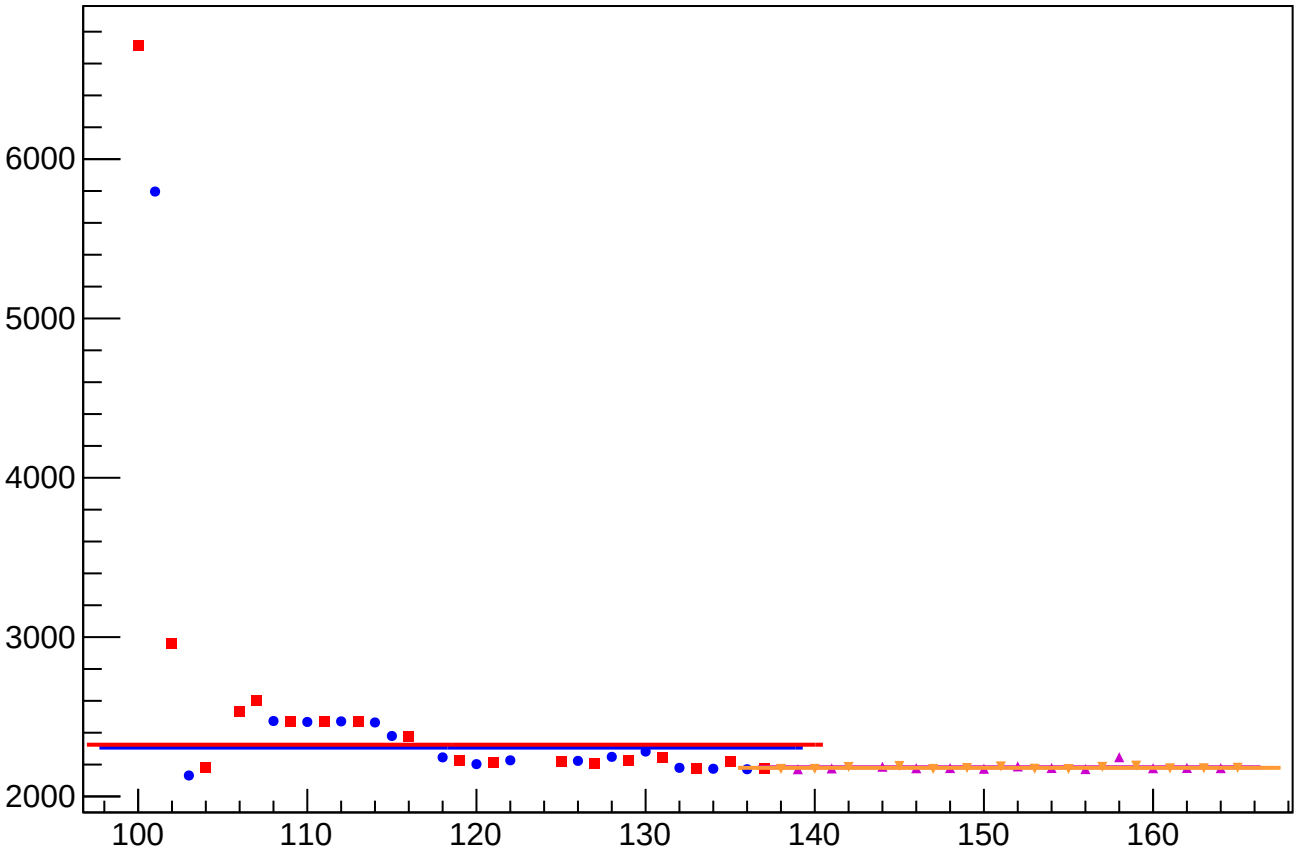
Left: -517.356+/-465.244 χ^2/NDF: 34.9/26

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -691.252+/-525.953 χ^2/NDF:36.5/28

Out: -514.098+/-524.053 χ^2/NDF:27.1/31

All: -602.354+/-371.231 χ^2/NDF: 63.7/60



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

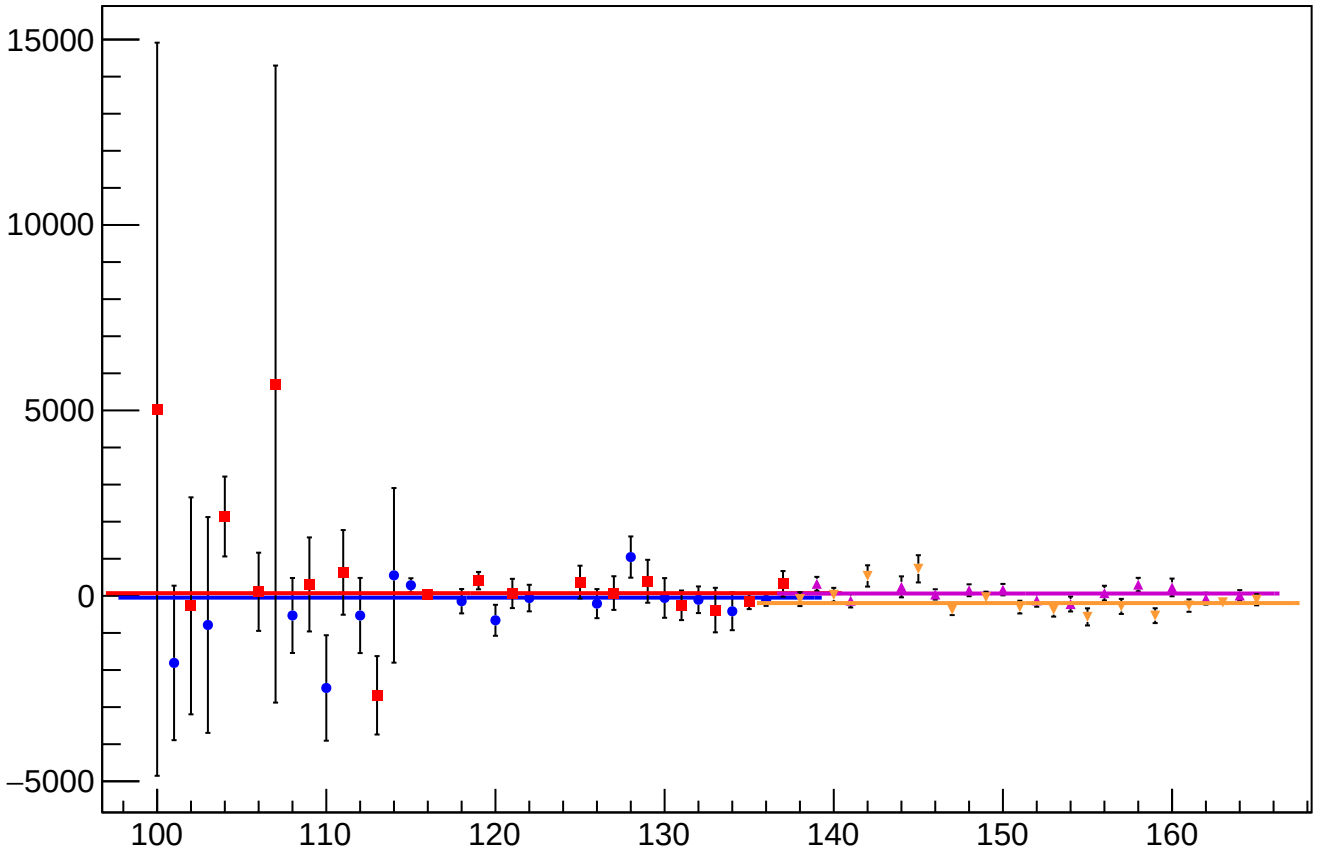
Left: 2181.393+/-0.329 χ^2/NDF: 1893.5/26

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2228.006+/-0.372 χ^2/NDF:541277.1/28

Out: 2232.353+/-0.371 χ^2/NDF:189258.9/31

All: 2230.187+/-0.262 χ^2/NDF: 730604.5/60



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -194.985+/-47.824 χ^2/NDF:24.5/13

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 62.714+/-48.560 χ^2/NDF:10.5/12

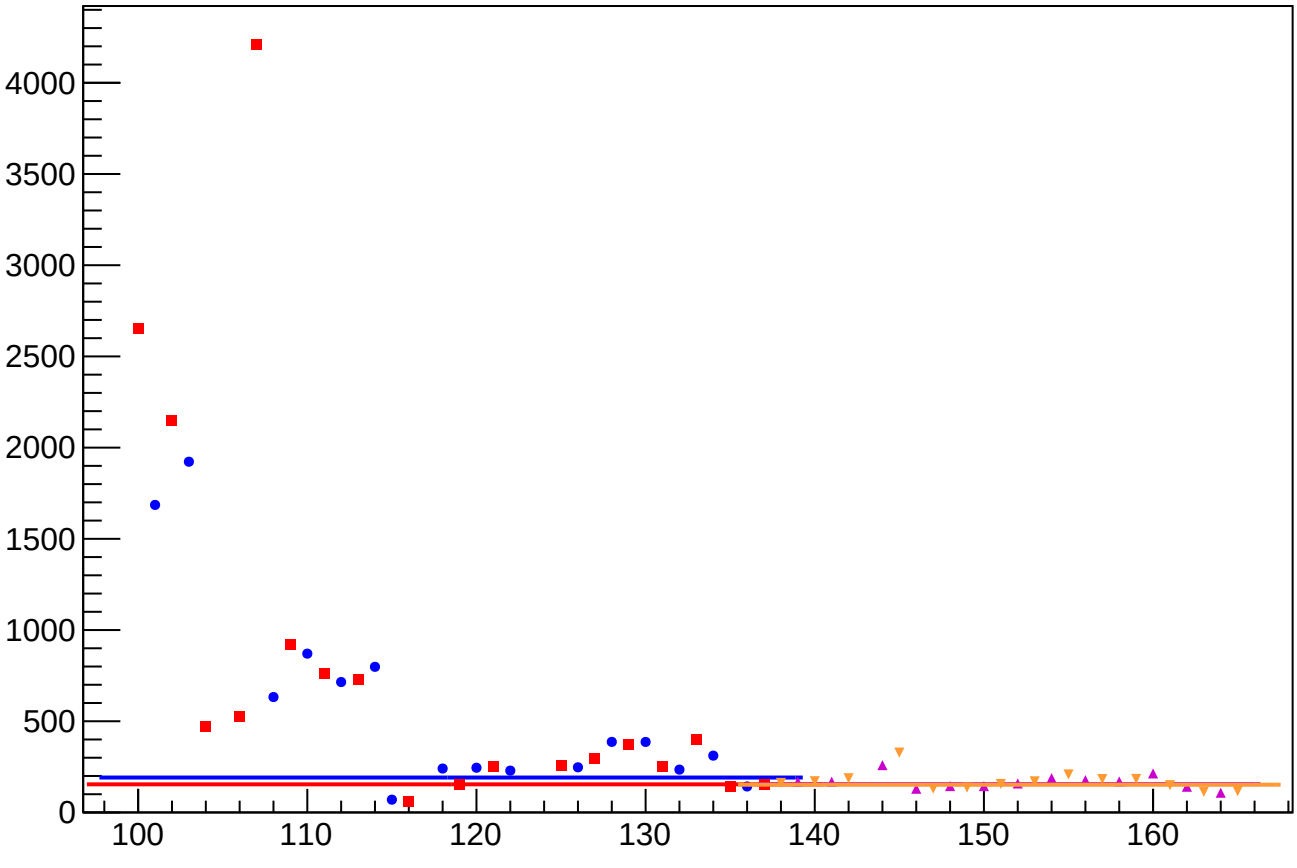
Left: -68.104+/-34.074 χ^2/NDF: 49.3/26

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.150+/-42.834 χ^2/NDF:26.0/28

Out: -127.567+/-41.352 χ^2/NDF:49.8/31

All: -47.623+/-29.750 χ^2/NDF: 83.5/60



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 152.254+/-0.034 χ^2/NDF:1107136.9/13

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

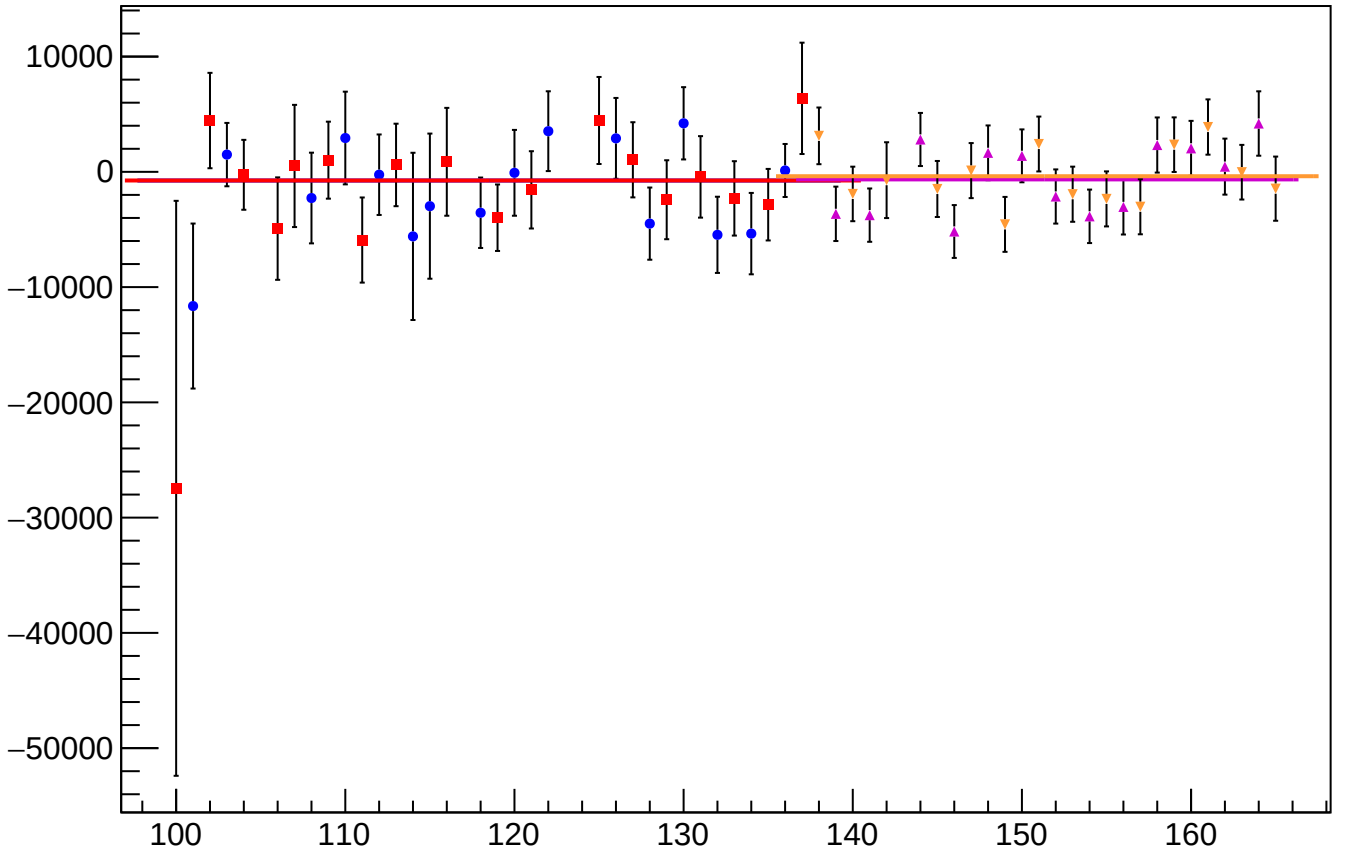
Left: 153.728+/-0.024 χ^2/NDF: 1936616.5/26

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 163.273+/-0.030 χ^2/NDF:6135320.4/28

Out: 152.725+/-0.029 χ^2/NDF:7216571.2/31

All: 157.813+/-0.021 χ^2/NDF: 13414666.2/60



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -379.845+/-656.796 χ^2/NDF:14.2/13

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -655.841+/-659.119 χ^2/NDF:20.6/12

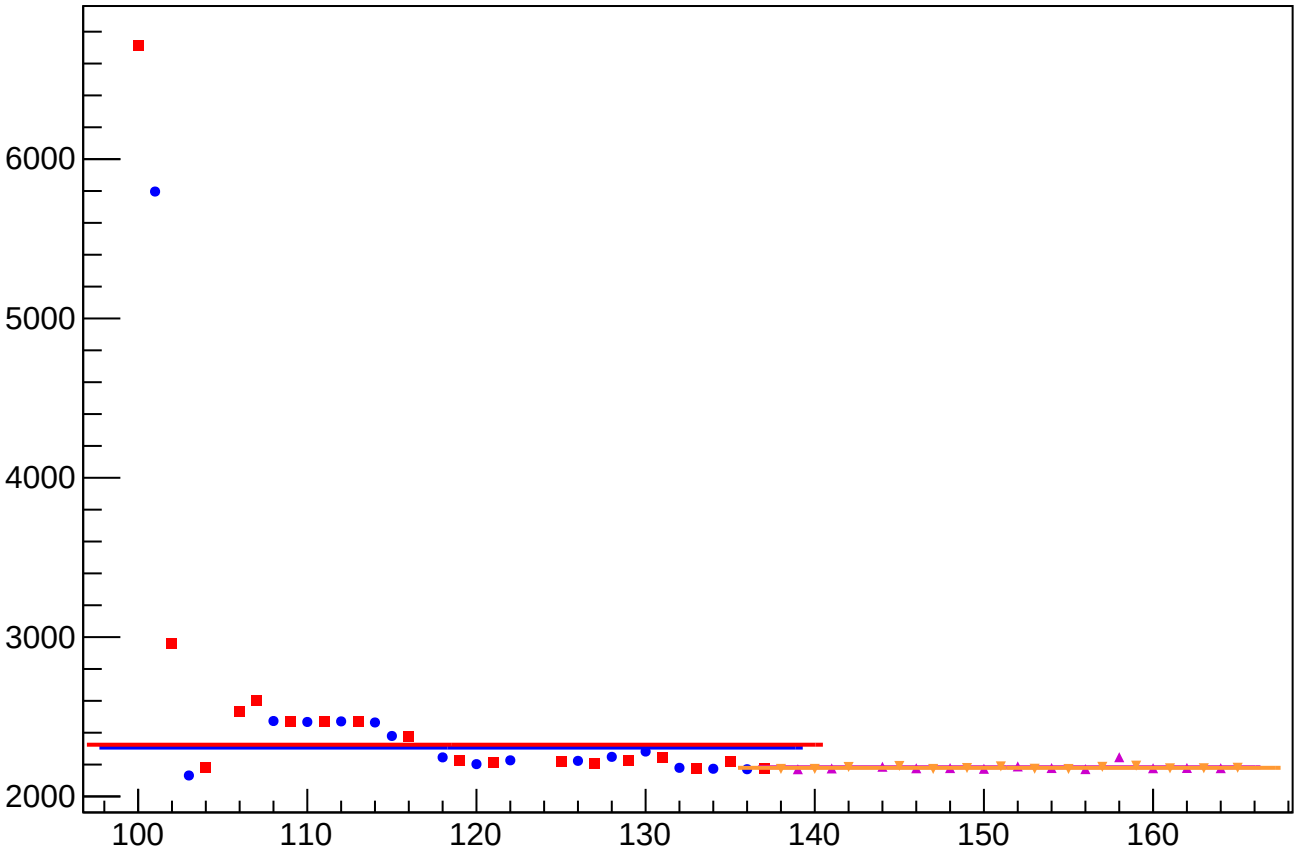
Left: -517.356+/-465.244 χ^2/NDF: 34.9/26

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -691.252+/-525.953 χ^2/NDF:36.5/28

Out: -514.098+/-524.053 χ^2/NDF:27.1/31

All: -602.354+/-371.231 χ^2/NDF: 63.7/60



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

Left: 2181.393+/-0.329 χ^2/NDF: 1893.5/26

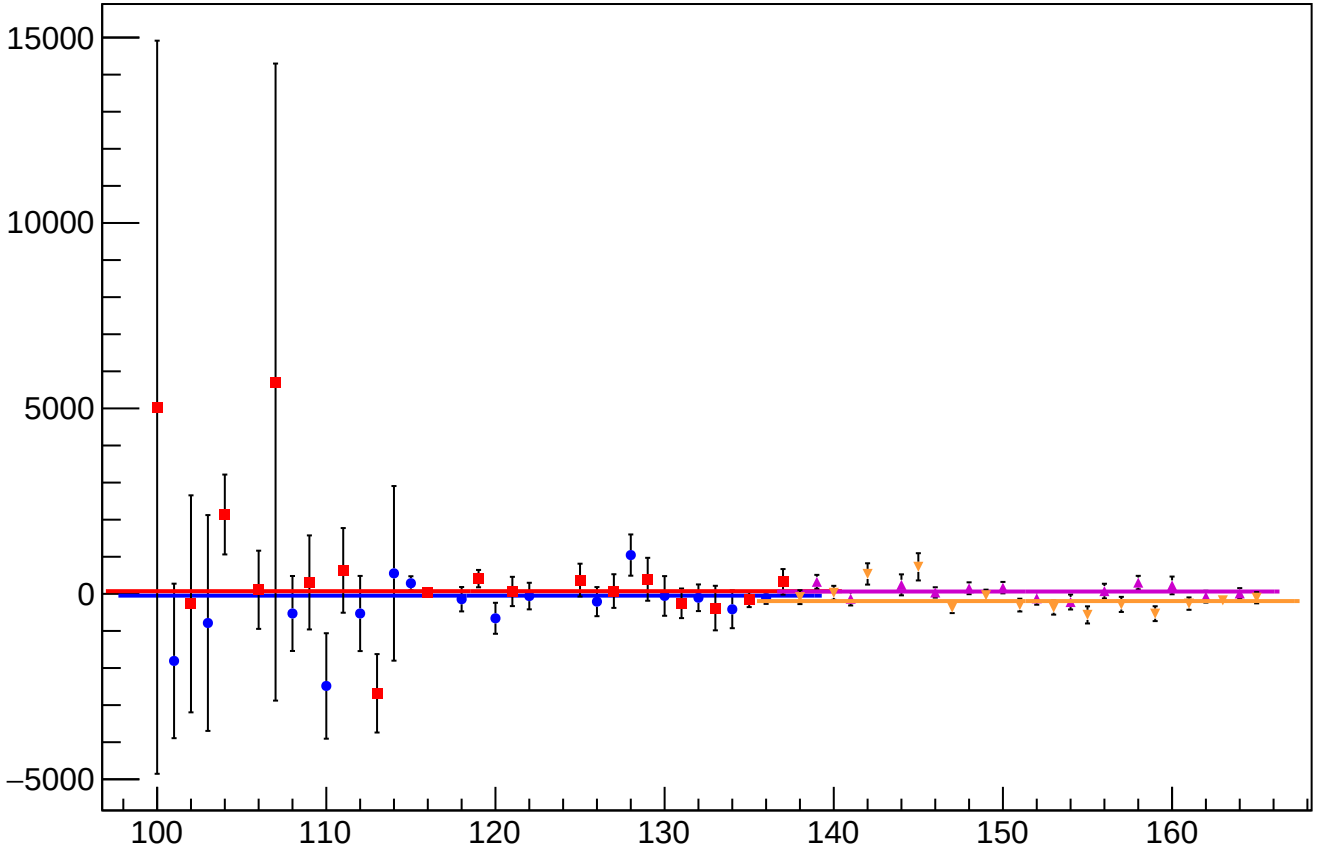
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2228.006+/-0.372 χ^2/NDF:541277.1/28

Out: 2232.353+/-0.371 χ^2/NDF:189258.9/31

All: 2230.187+/-0.262 χ^2/NDF: 730604.5/60

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -194.985+/-47.824 χ^2/NDF:24.5/13

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 62.714+/-48.560 χ^2/NDF:10.5/12

Left: -68.104+/-34.074 χ^2/NDF: 49.3/26

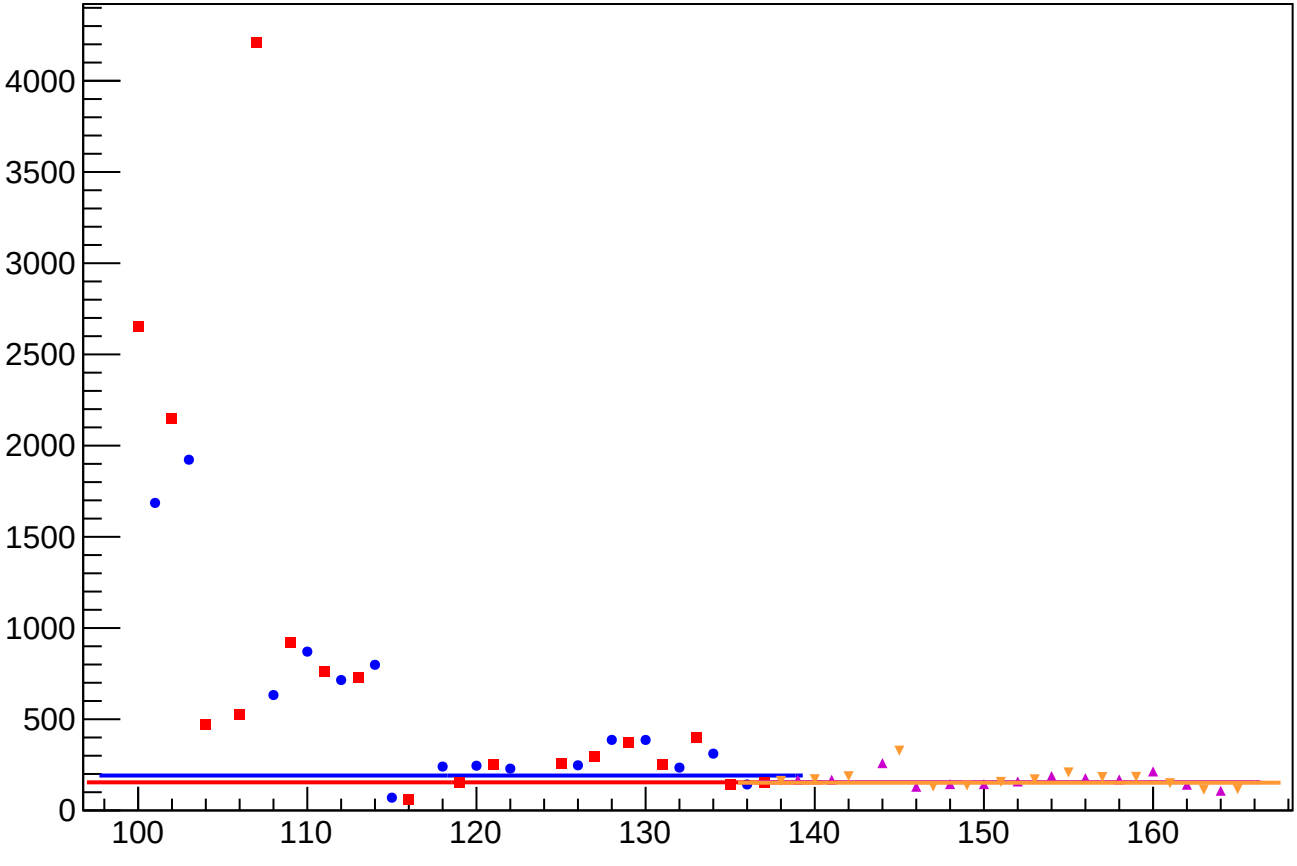
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.150+/-42.834 χ^2/NDF:26.0/28

Out: -127.567+/-41.352 χ^2/NDF:49.8/31

All: -47.623+/-29.750 χ^2/NDF: 83.5/60

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: 152.254+/-0.034 χ^2/NDF:1107136.9/13

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

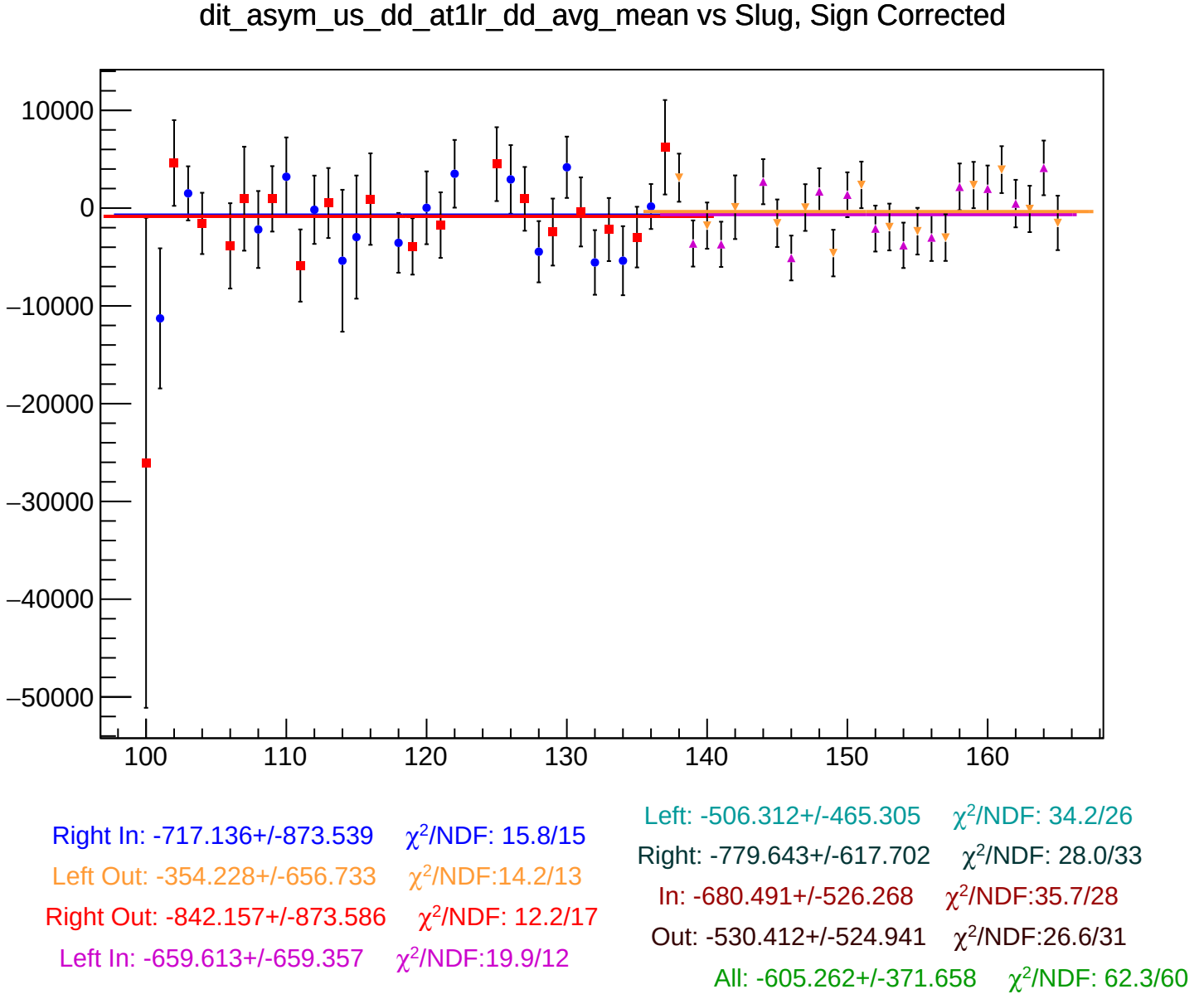
Left: 153.728+/-0.024 χ^2/NDF: 1936616.5/26

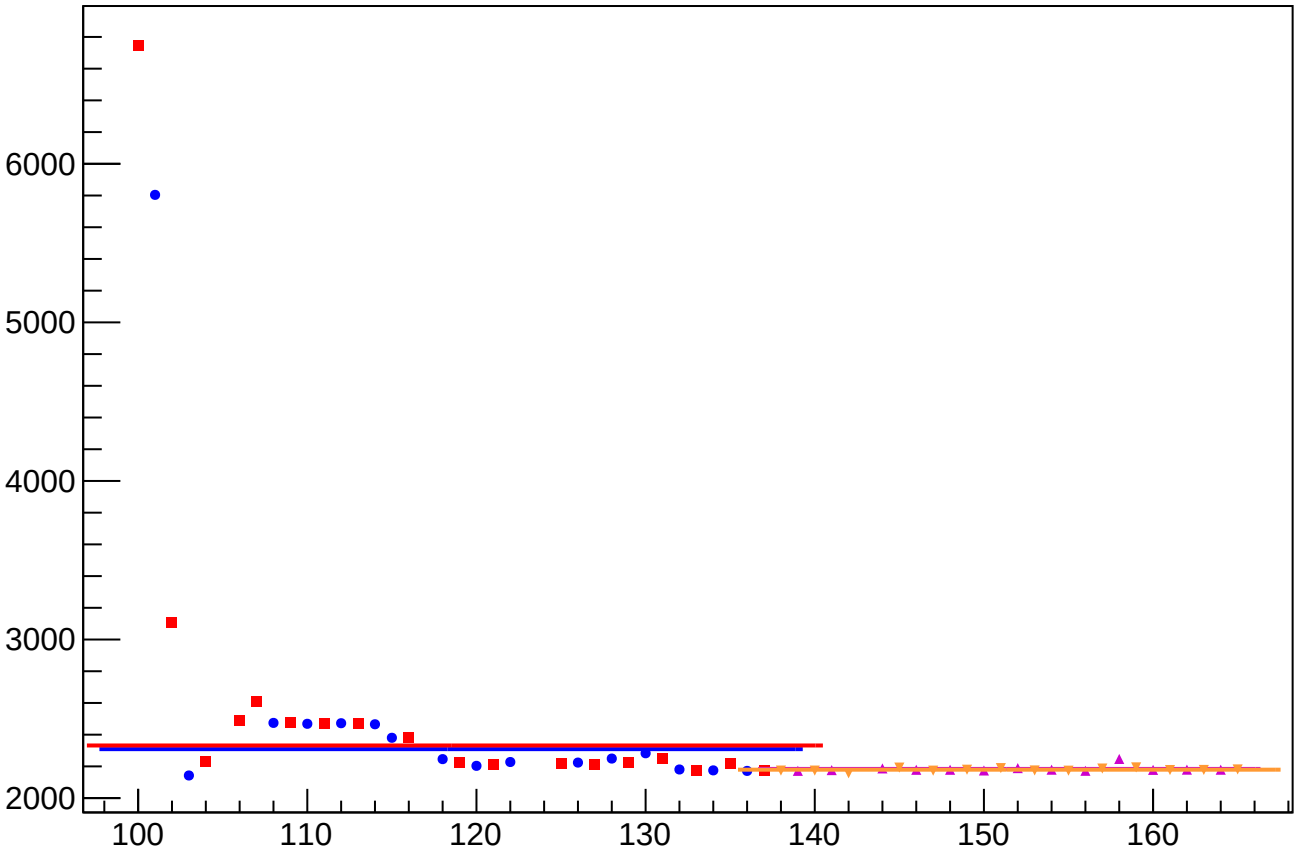
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 163.273+/-0.030 χ^2/NDF:6135320.4/28

Out: 152.725+/-0.029 χ^2/NDF:7216571.2/31

All: 157.813+/-0.021 χ^2/NDF: 13414666.2/60


dit_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
Right In: -717.136+/-873.539 χ²/NDF: 15.8/15
Left Out: -354.228+/-656.733 χ²/NDF:14.2/13
Right Out: -842.157+/-873.586 χ²/NDF: 12.2/17
Left In: -659.613+/-659.357 χ²/NDF:19.9/12
Left: -506.312+/-465.305 χ²/NDF: 34.2/26
Right: -779.643+/-617.702 χ²/NDF: 28.0/33
In: -680.491+/-526.268 χ²/NDF:35.7/28
Out: -530.412+/-524.941 χ²/NDF:26.6/31
All: -605.262+/-371.658 χ²/NDF: 62.3/60



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.209+/-0.464 χ^2/NDF:345.3/13

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

Left: 2181.563+/-0.329 χ^2/NDF: 2009.5/26

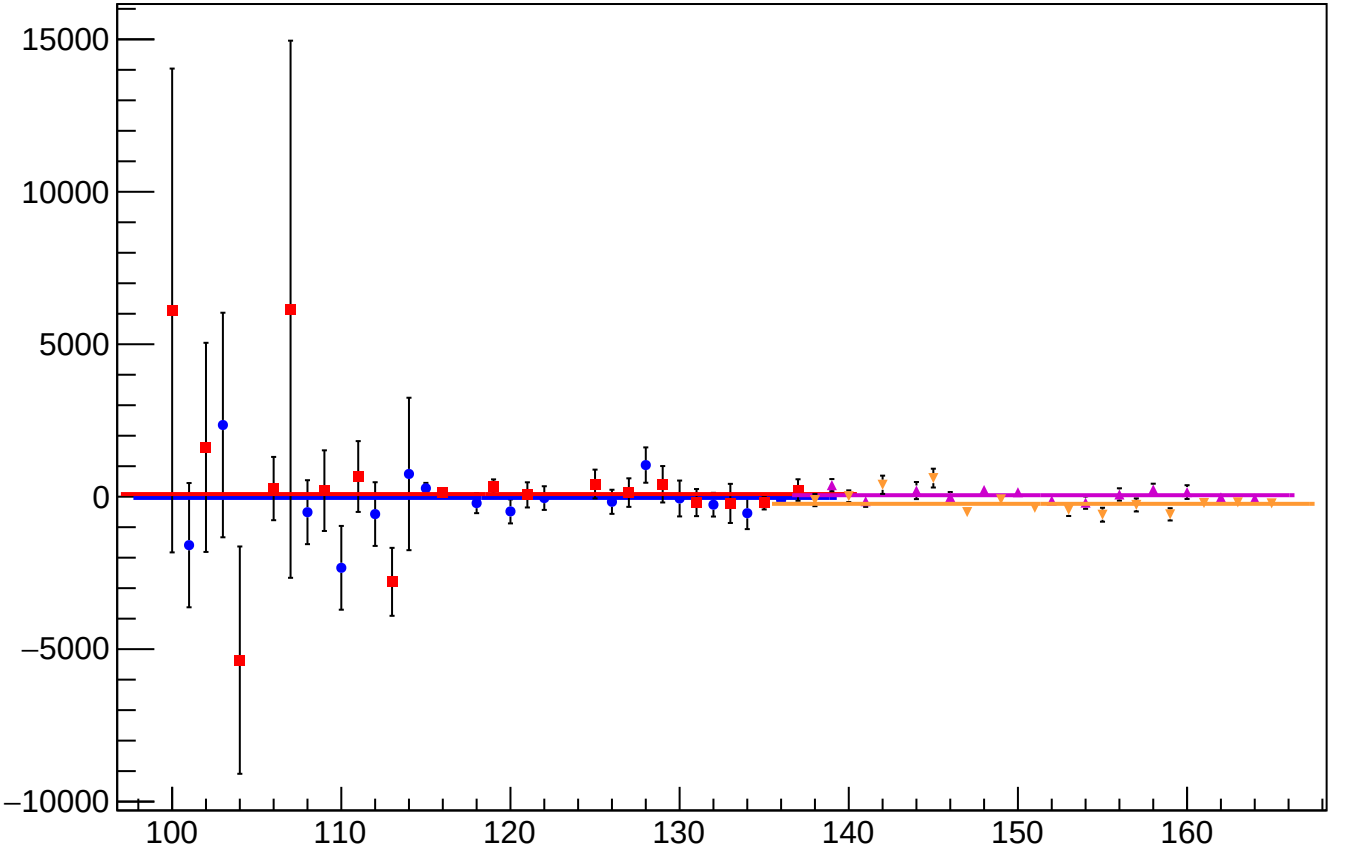
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2229.233+/-0.372 χ^2/NDF:541362.0/28

Out: 2234.325+/-0.371 χ^2/NDF:206679.4/31

All: 2231.786+/-0.263 χ^2/NDF: 748135.3/60

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: -233.988+/-47.619 χ^2/NDF:25.2/13

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 48.880+/-48.790 χ^2/NDF:10.6/12

Left: -95.991+/-34.078 χ^2/NDF: 52.9/26

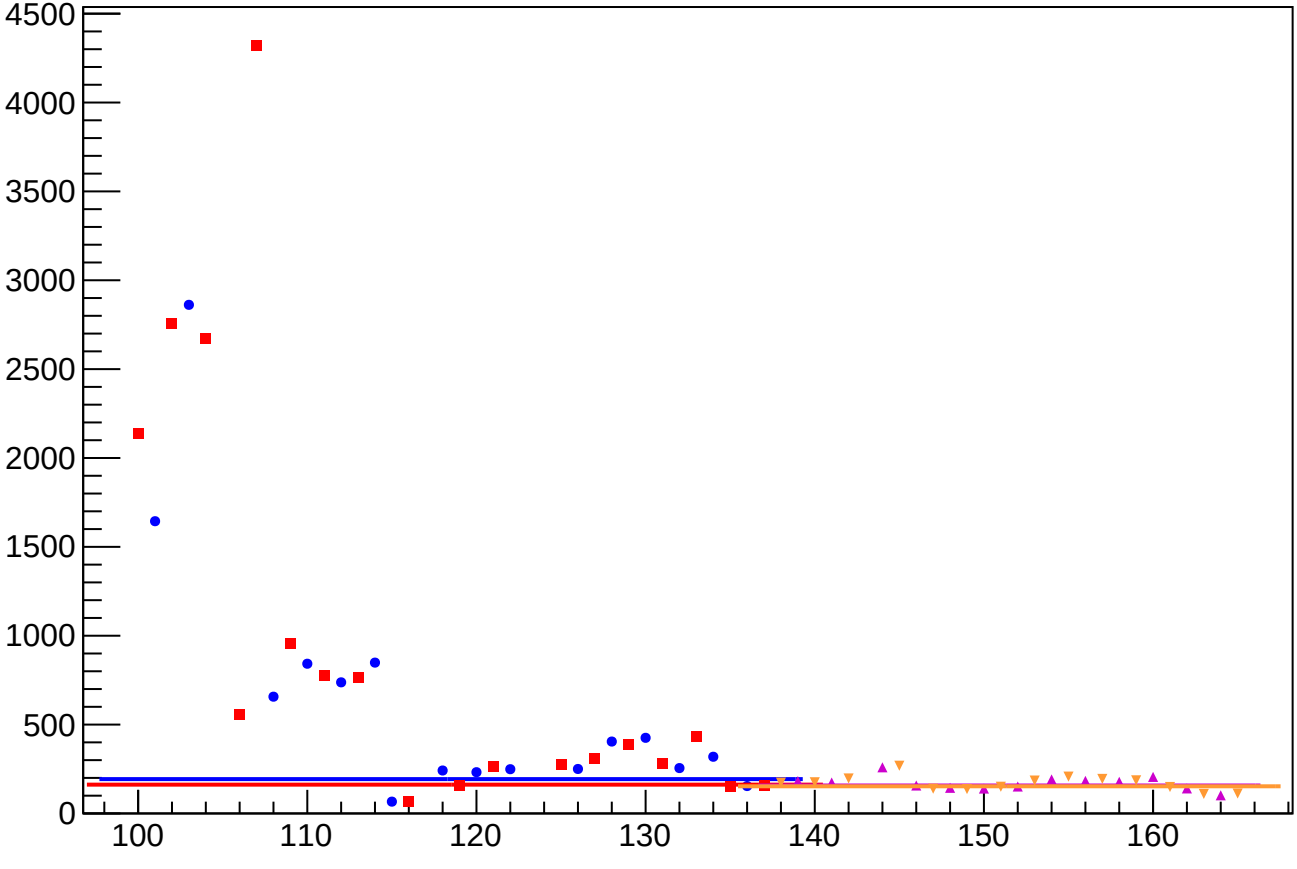
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 29.478+/-43.146 χ^2/NDF:25.4/28

Out: -158.932+/-41.669 χ^2/NDF:50.7/31

All: -68.006+/-29.973 χ^2/NDF: 85.9/60

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: 152.823+/-0.034 χ^2/NDF:1118800.1/13

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 157.358+/-0.034 χ^2/NDF:936456.2/12

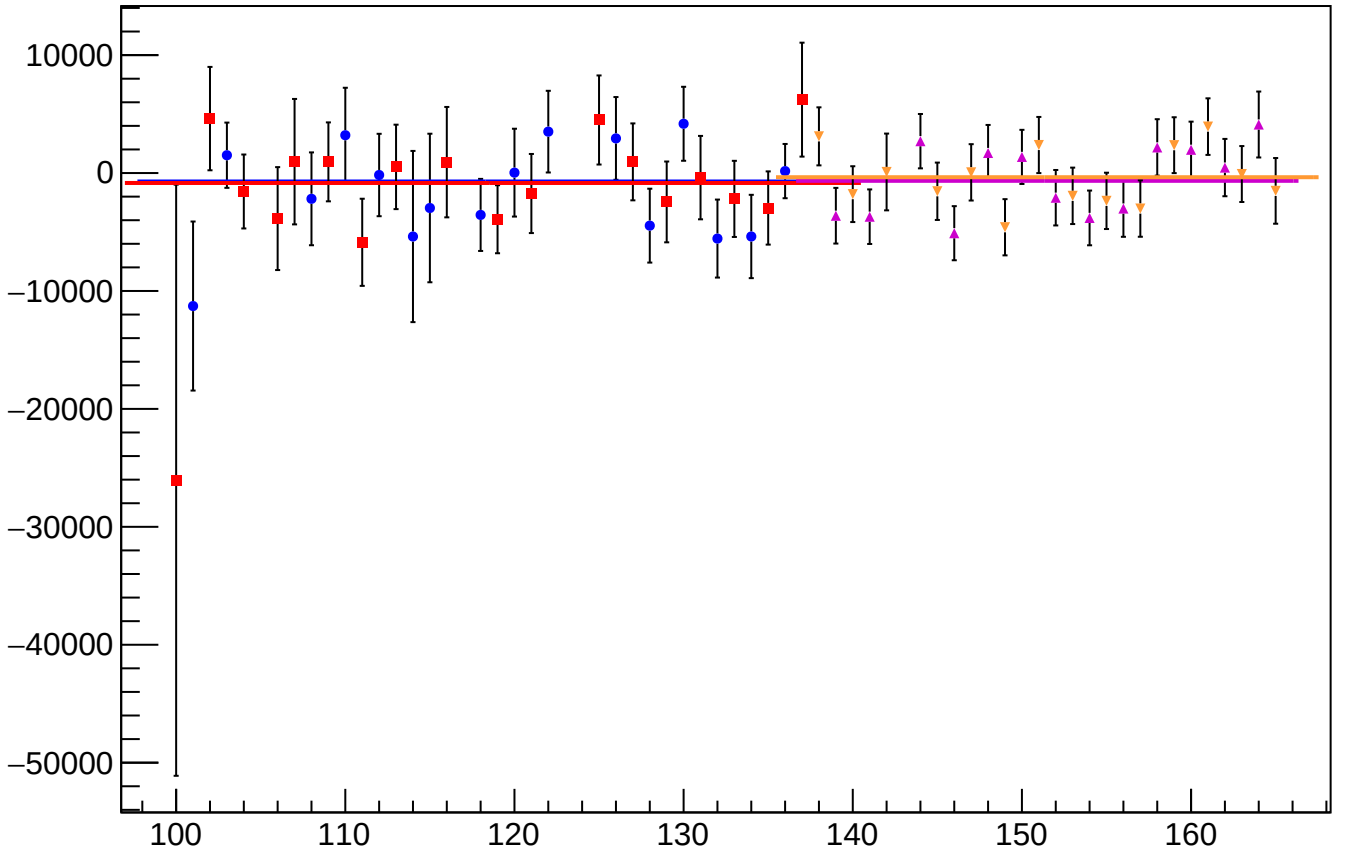
Left: 155.035+/-0.024 χ^2/NDF: 2064105.4/26

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 165.183+/-0.031 χ^2/NDF:6790318.9/28

Out: 155.000+/-0.029 χ^2/NDF:8207127.8/31

All: 159.914+/-0.021 χ^2/NDF: 15055095.8/60



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -354.230+/-656.733 χ^2/NDF:14.2/13

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -659.613+/-659.357 χ^2/NDF:19.9/12

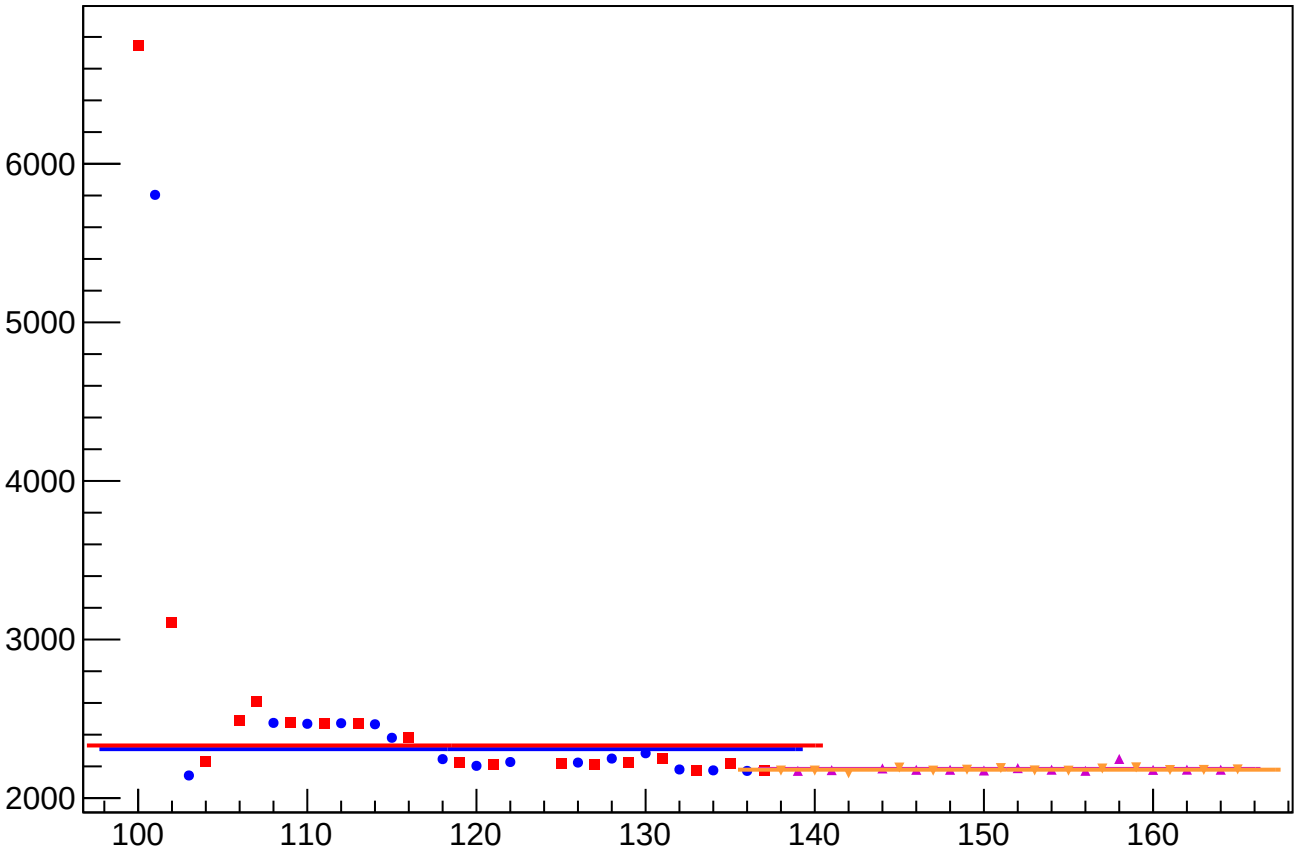
Left: -506.312+/-465.305 χ^2/NDF: 34.2/26

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -680.491+/-526.268 χ^2/NDF:35.7/28

Out: -530.414+/-524.941 χ^2/NDF:26.6/31

All: -605.263+/-371.658 χ^2/NDF: 62.3/60



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.209+/-0.464 χ^2/NDF:345.3/13

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

Left: 2181.563+/-0.329 χ^2/NDF: 2009.5/26

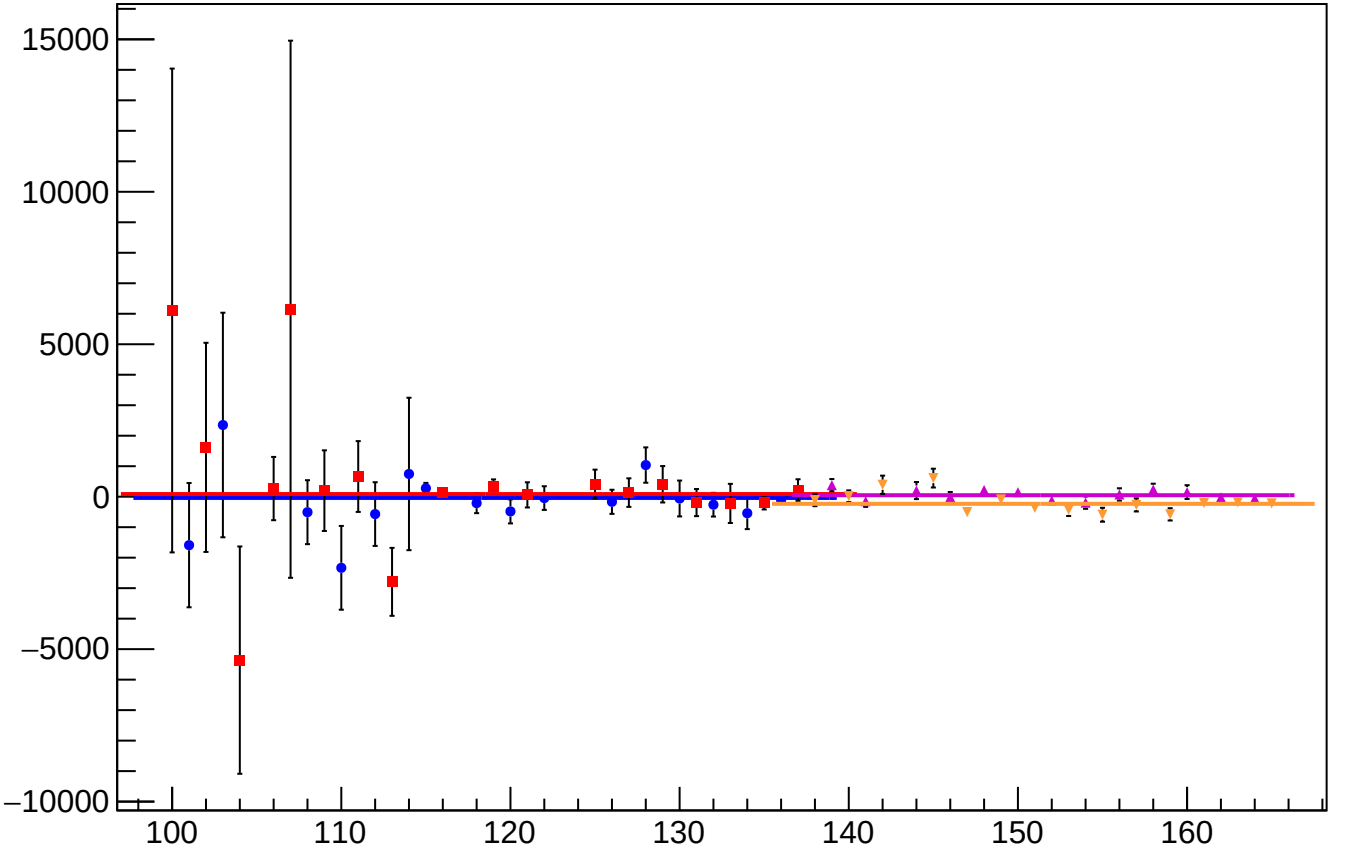
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2229.233+/-0.372 χ^2/NDF:541362.0/28

Out: 2234.325+/-0.371 χ^2/NDF:206679.3/31

All: 2231.786+/-0.263 χ^2/NDF: 748135.1/60

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: -233.988+/-47.618 χ^2/NDF:25.2/13

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 48.878+/-48.790 χ^2/NDF:10.6/12

Left: -95.992+/-34.078 χ^2/NDF: 52.9/26

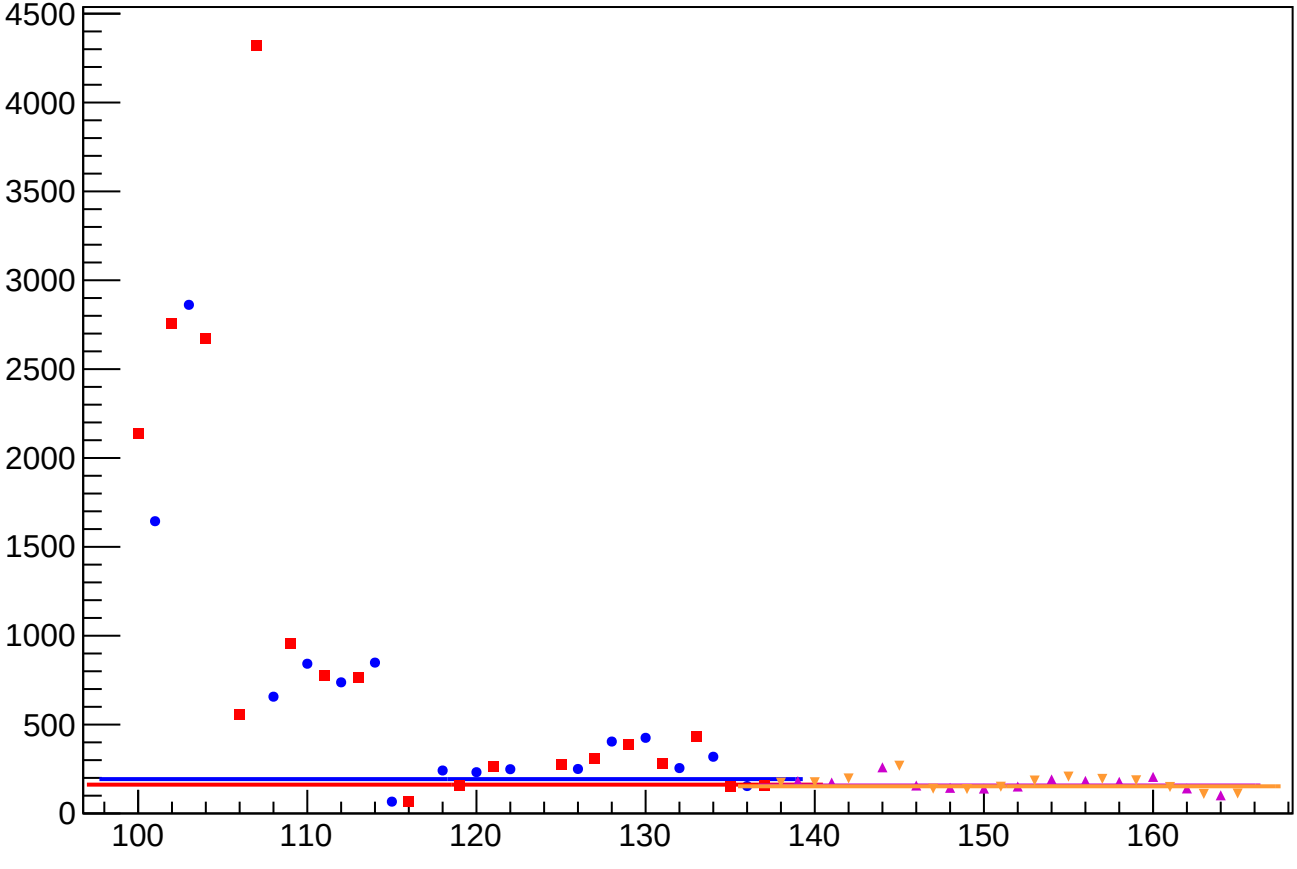
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 29.477+/-43.146 χ^2/NDF:25.4/28

Out: -158.931+/-41.669 χ^2/NDF:50.7/31

All: -68.007+/-29.973 χ^2/NDF: 85.9/60

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: 152.822+/-0.034 χ^2/NDF:1118847.4/13

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 157.358+/-0.034 χ^2/NDF:936503.0/12

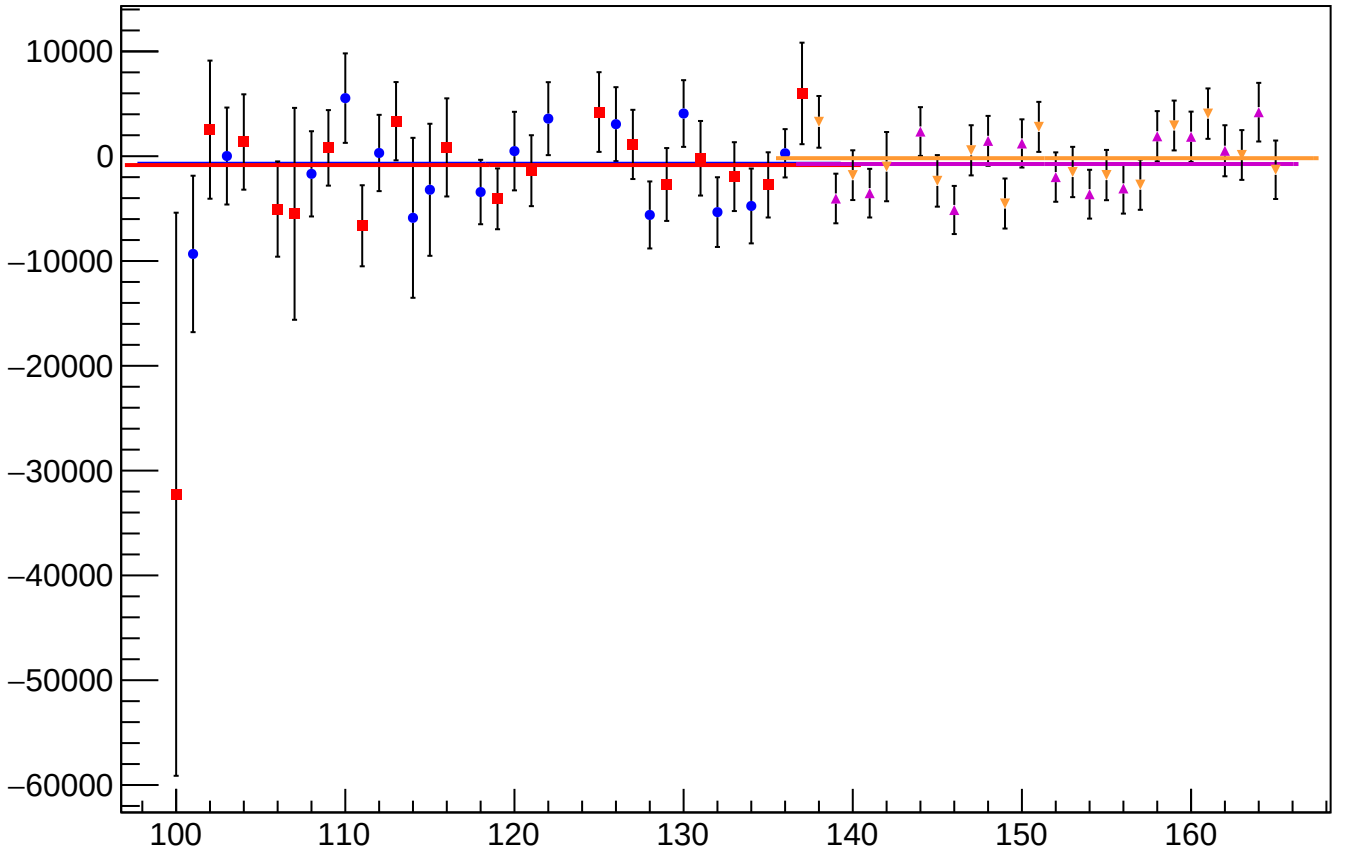
Left: 155.035+/-0.024 χ^2/NDF: 2064200.8/26

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 165.183+/-0.031 χ^2/NDF:6790379.3/28

Out: 154.999+/-0.029 χ^2/NDF:8207227.7/31

All: 159.913+/-0.021 χ^2/NDF: 15055260.5/60



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -189.427+/-659.291 χ^2/NDF:15.1/13

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -745.134+/-661.550 χ^2/NDF:18.9/12

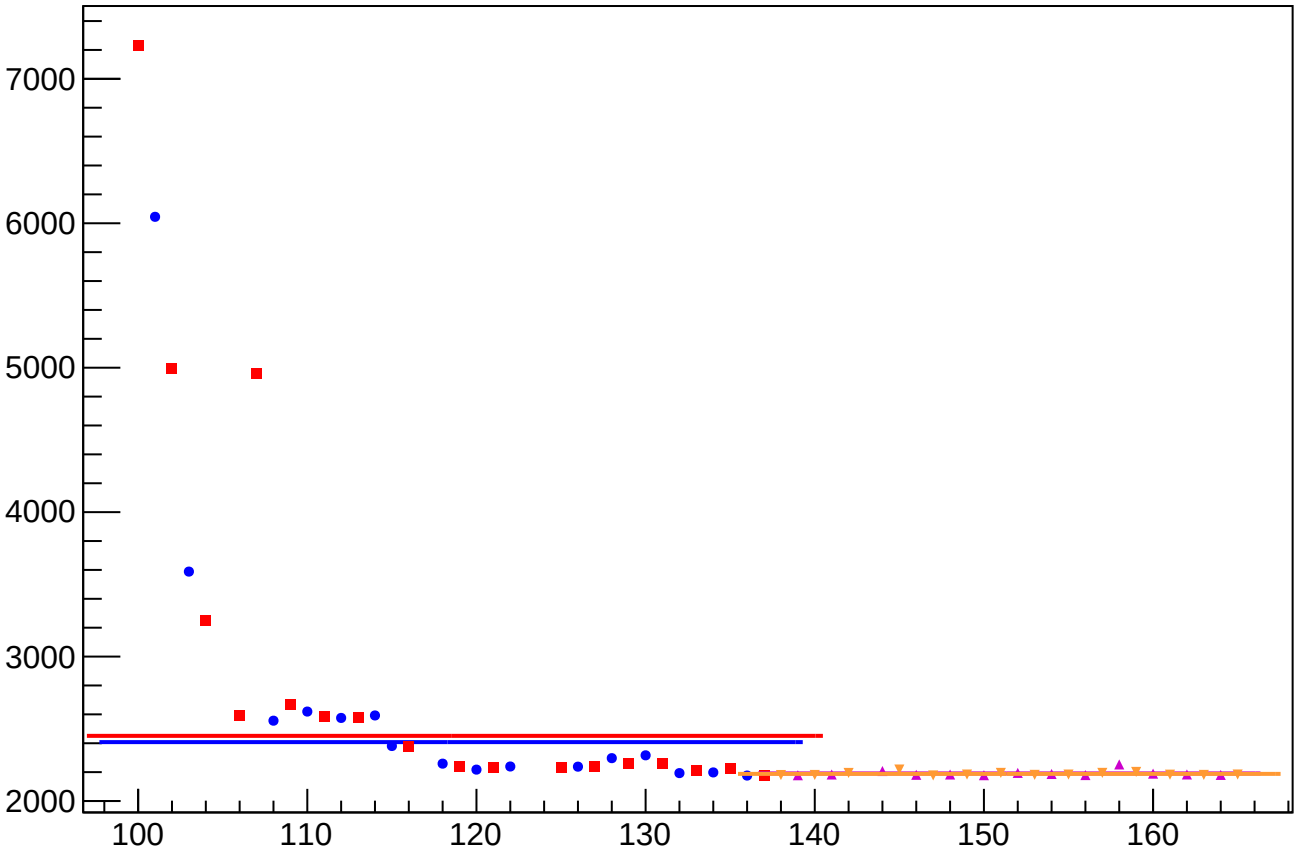
Left: -466.330+/-466.986 χ^2/NDF: 34.4/26

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -736.372+/-536.352 χ^2/NDF:34.7/28

Out: -409.040+/-537.599 χ^2/NDF:28.4/31

All: -573.086+/-379.698 χ^2/NDF: 63.3/60



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.921+/-0.466 χ^2/NDF:551.5/13

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.189+/-0.468 χ^2/NDF:1732.7/12

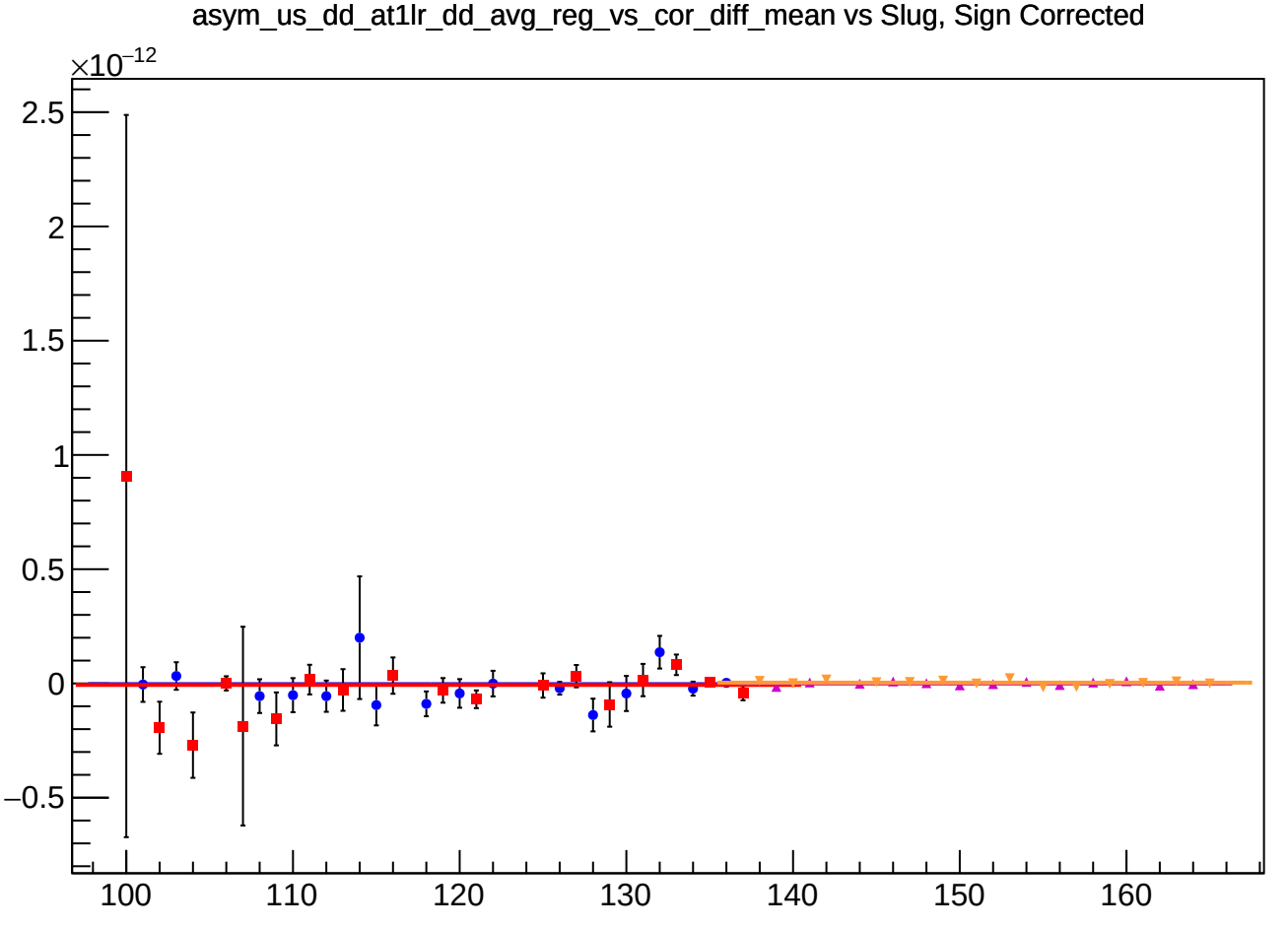
Left: 2189.549+/-0.330 χ^2/NDF: 2308.7/26

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2265.416+/-0.379 χ^2/NDF:752098.8/28

Out: 2276.140+/-0.380 χ^2/NDF:741016.5/31

All: 2270.766+/-0.268 χ^2/NDF: 1493514.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/12

Left: 0.000+/-0.000 χ^2/NDF: 24.5/26

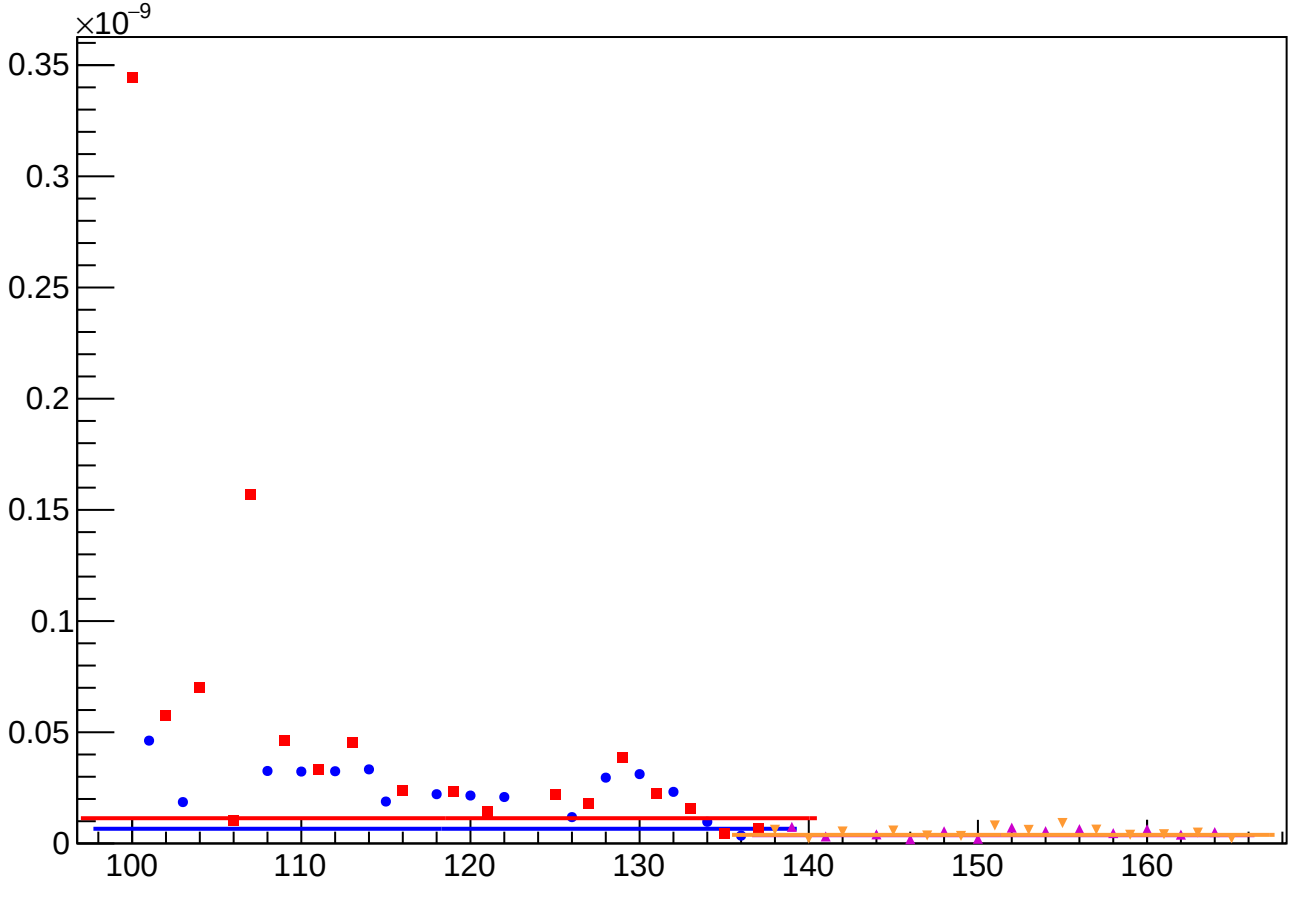
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:26.9/28

Out: 0.000+/-0.000 χ^2/NDF:31.8/31

All: 0.000+/-0.000 χ^2/NDF: 60.2/60

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:1291627.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1189615.4/12

Left: 0.000+/-0.000 χ^2/NDF: 2486940.3/26

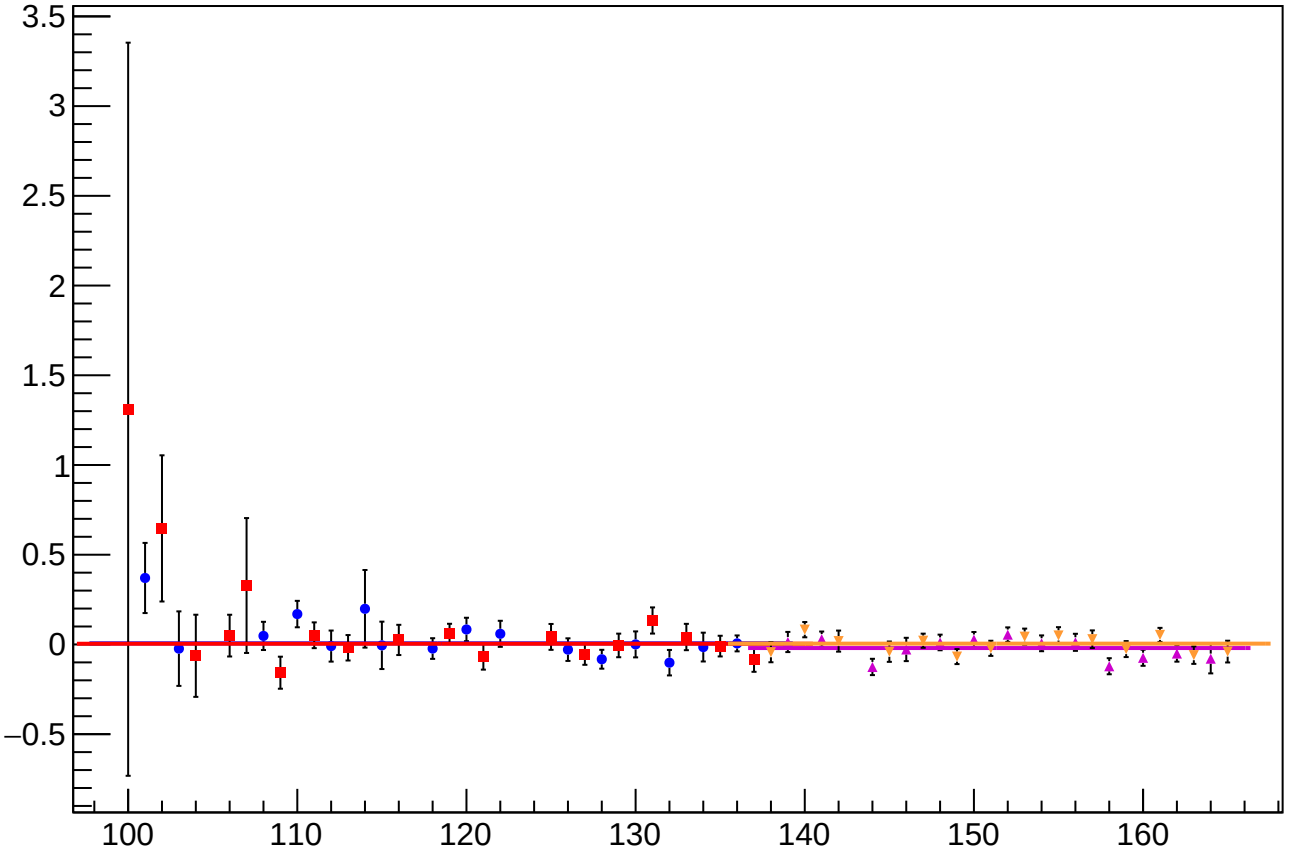
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4425223.1/28

Out: 0.000+/-0.000 χ^2/NDF:5110128.5/31

All: 0.000+/-0.000 χ^2/NDF: 9544085.4/60

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:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.007+/-0.009 χ^2/NDF: 37.1/26

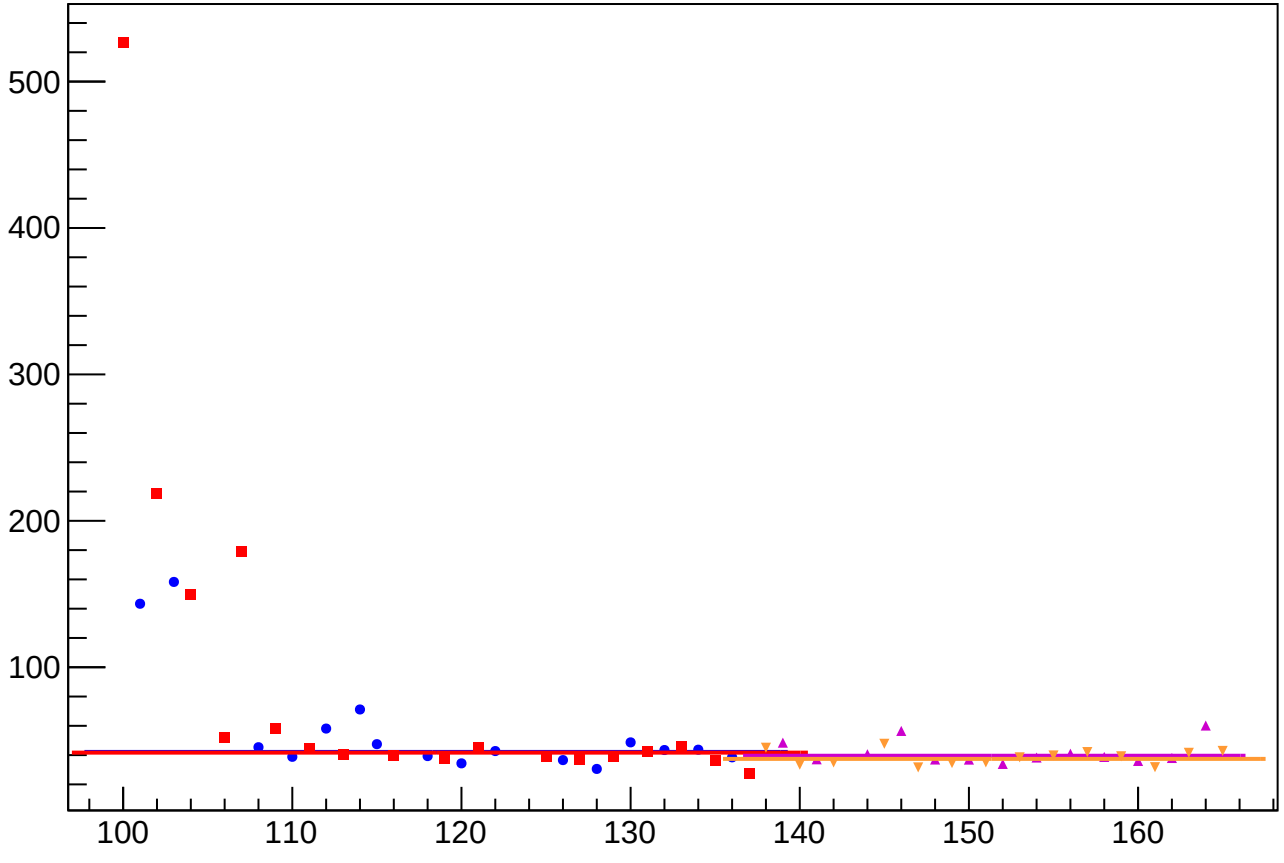
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.3/28

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.003+/-0.007 χ^2/NDF: 71.1/60

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: 37.416+/-0.009 χ^2/NDF:282785.7/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

Left: 38.434+/-0.006 χ^2/NDF: 703193.3/26

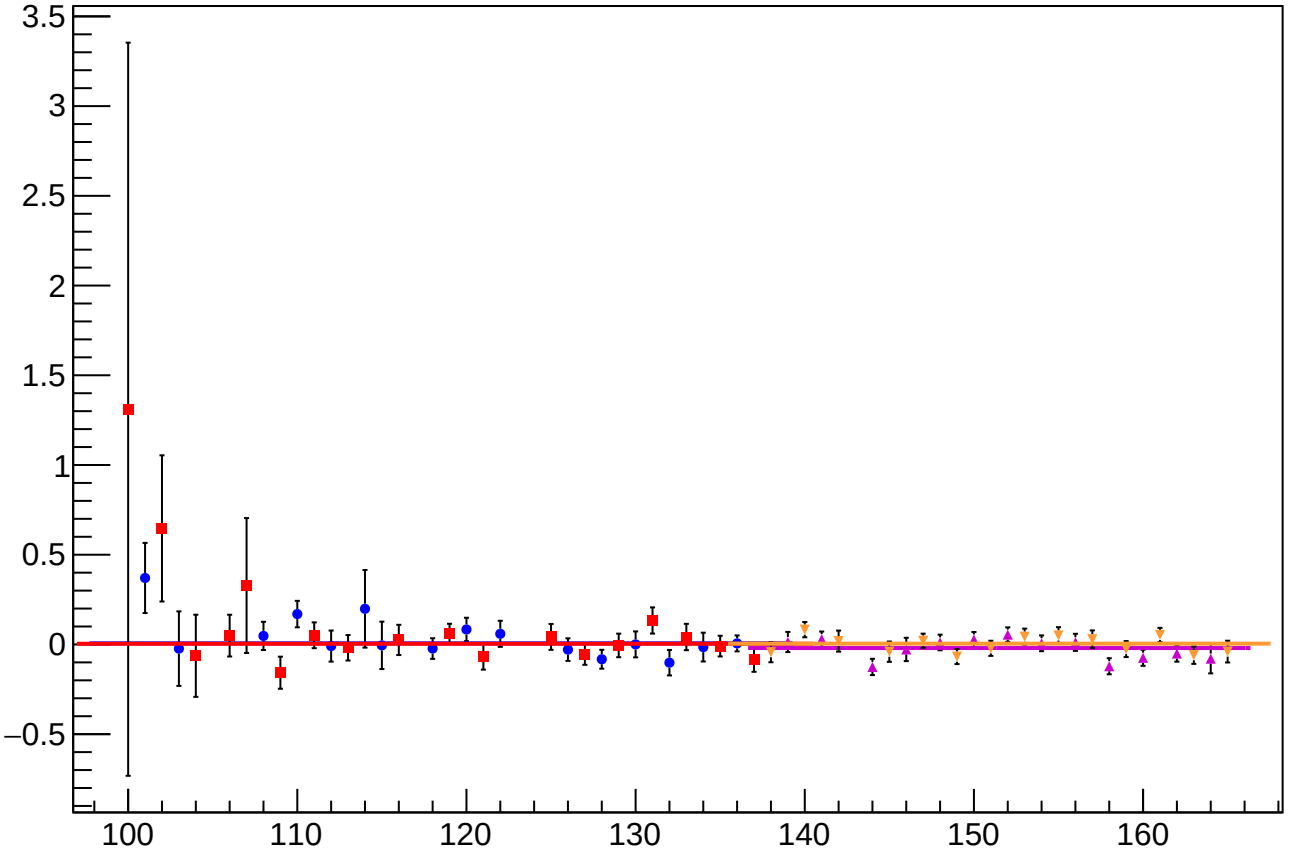
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.436+/-0.008 χ^2/NDF:1873709.6/28

Out: 38.738+/-0.007 χ^2/NDF:1797114.9/31

All: 39.564+/-0.005 χ^2/NDF: 3697125.0/60

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:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.007+/-0.009 χ^2/NDF: 37.1/26

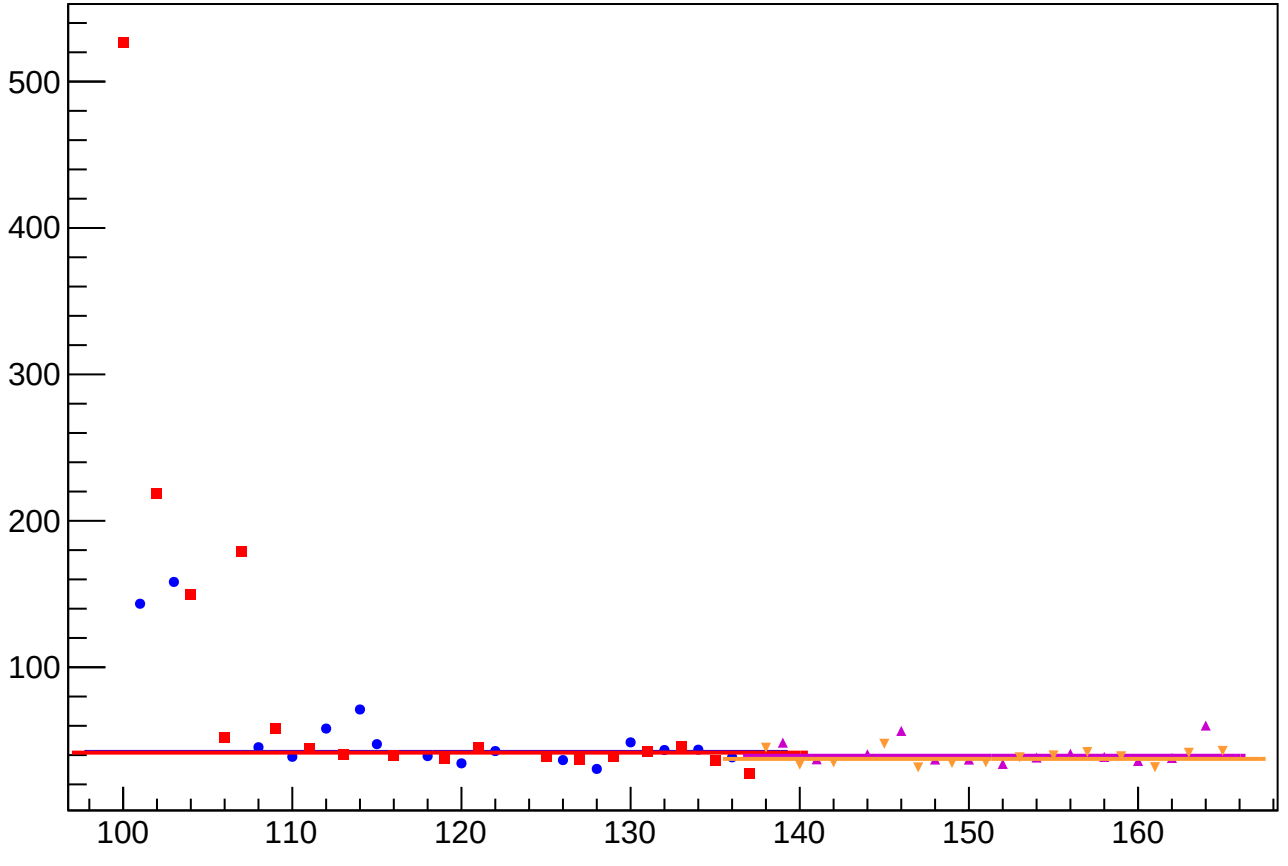
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.3/28

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.003+/-0.007 χ^2/NDF: 71.1/60

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: 37.416+/-0.009 χ^2/NDF:282785.7/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

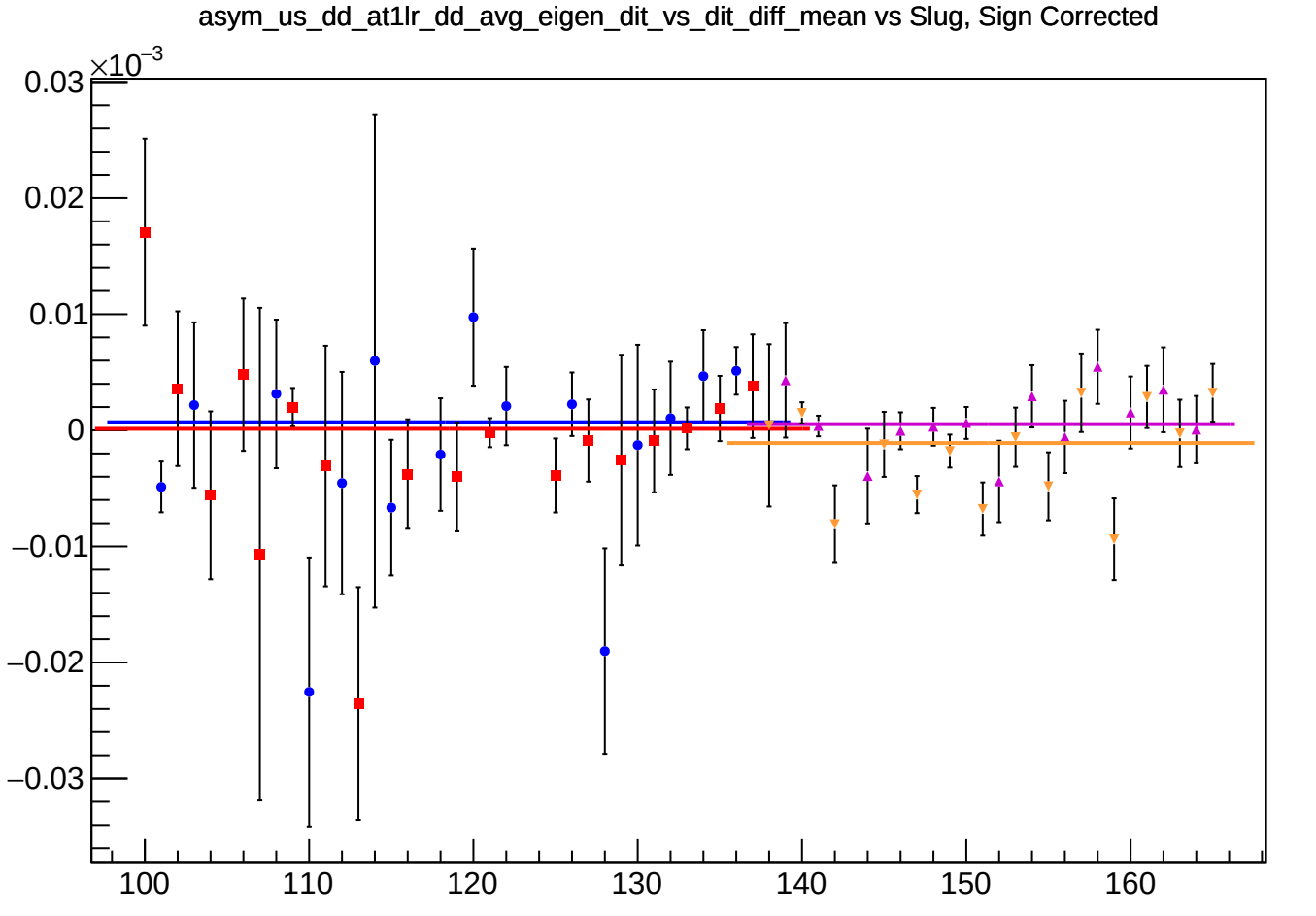
Left: 38.434+/-0.006 χ^2/NDF: 703193.3/26

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

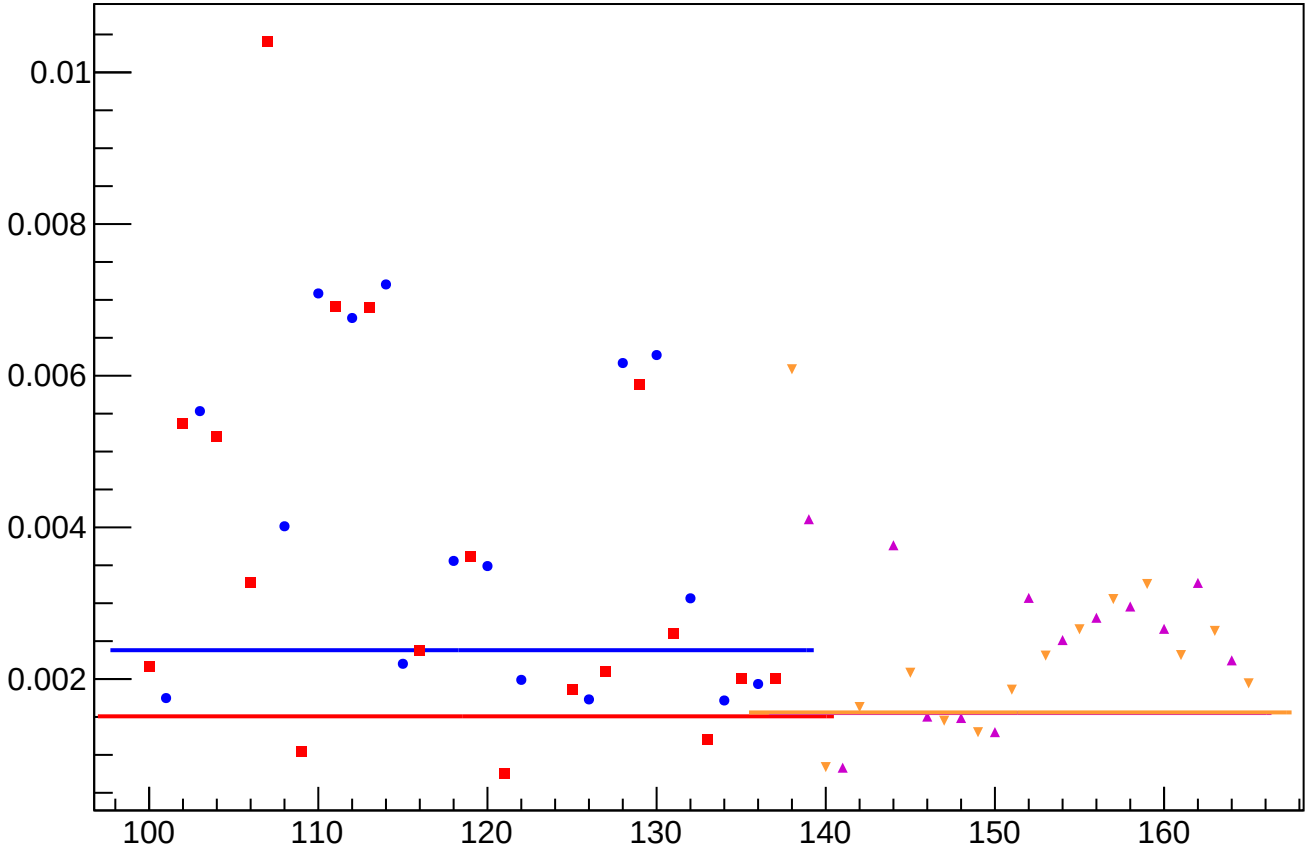
In: 40.436+/-0.008 χ^2/NDF:1873709.6/28

Out: 38.738+/-0.007 χ^2/NDF:1797114.9/31

All: 39.564+/-0.005 χ^2/NDF: 3697125.0/60


asym_us_dd_at1lr_dd_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 26.5/15
Left Out: -0.000+/-0.000 χ²/NDF:40.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:8.1/12
Left: -0.000+/-0.000 χ²/NDF: 53.2/26
Right: 0.000+/-0.000 χ²/NDF: 44.1/33
In: 0.000+/-0.000 χ²/NDF:34.6/28
Out: -0.000+/-0.000 χ²/NDF:60.0/31
All: -0.000+/-0.000 χ²/NDF: 98.1/60

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:4046176.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4677194.2/12

Left: 0.002+/-0.000 χ^2/NDF: 8723594.2/26

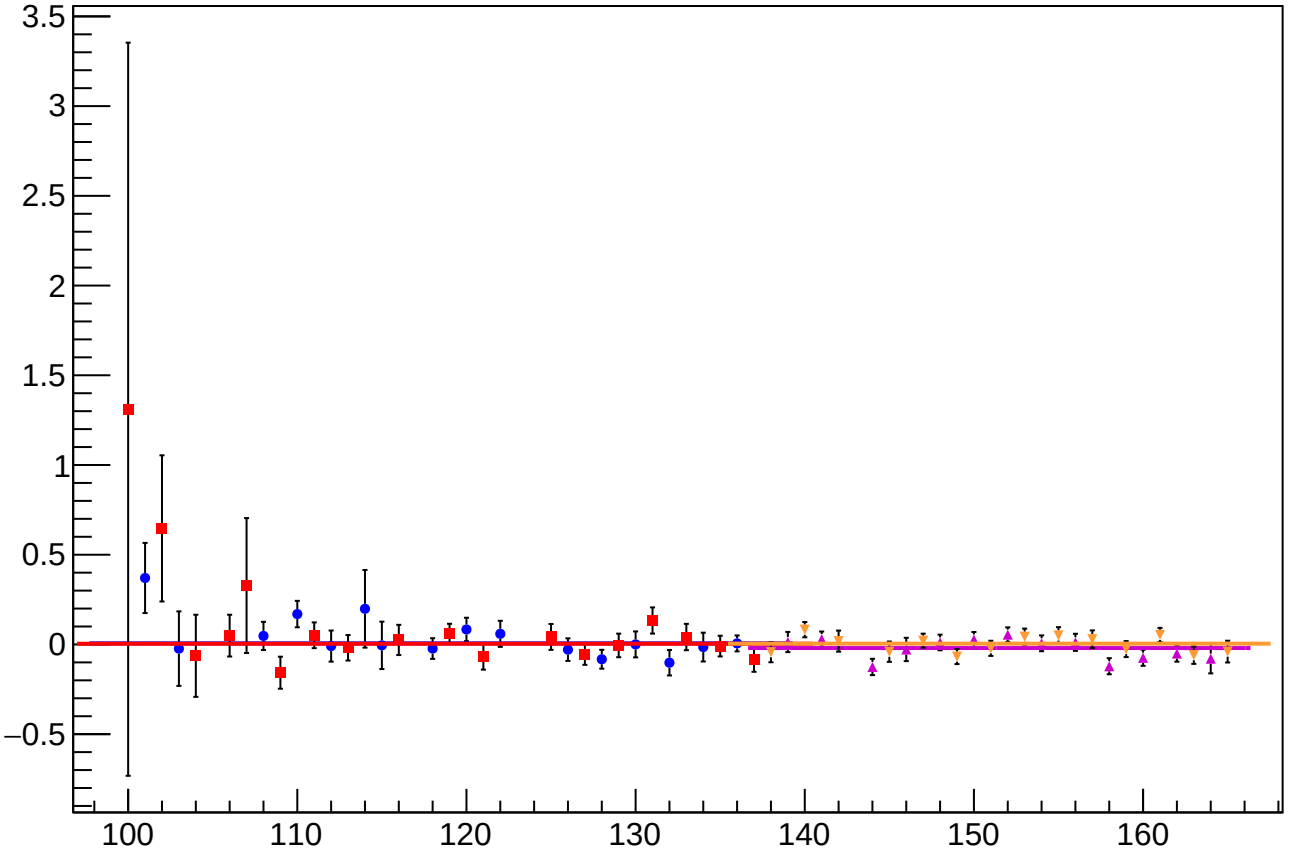
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8542360.3/28

Out: 0.002+/-0.000 χ^2/NDF:9054327.6/31

All: 0.002+/-0.000 χ^2/NDF: 17776876.7/60

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:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.007+/-0.009 χ^2/NDF: 37.0/26

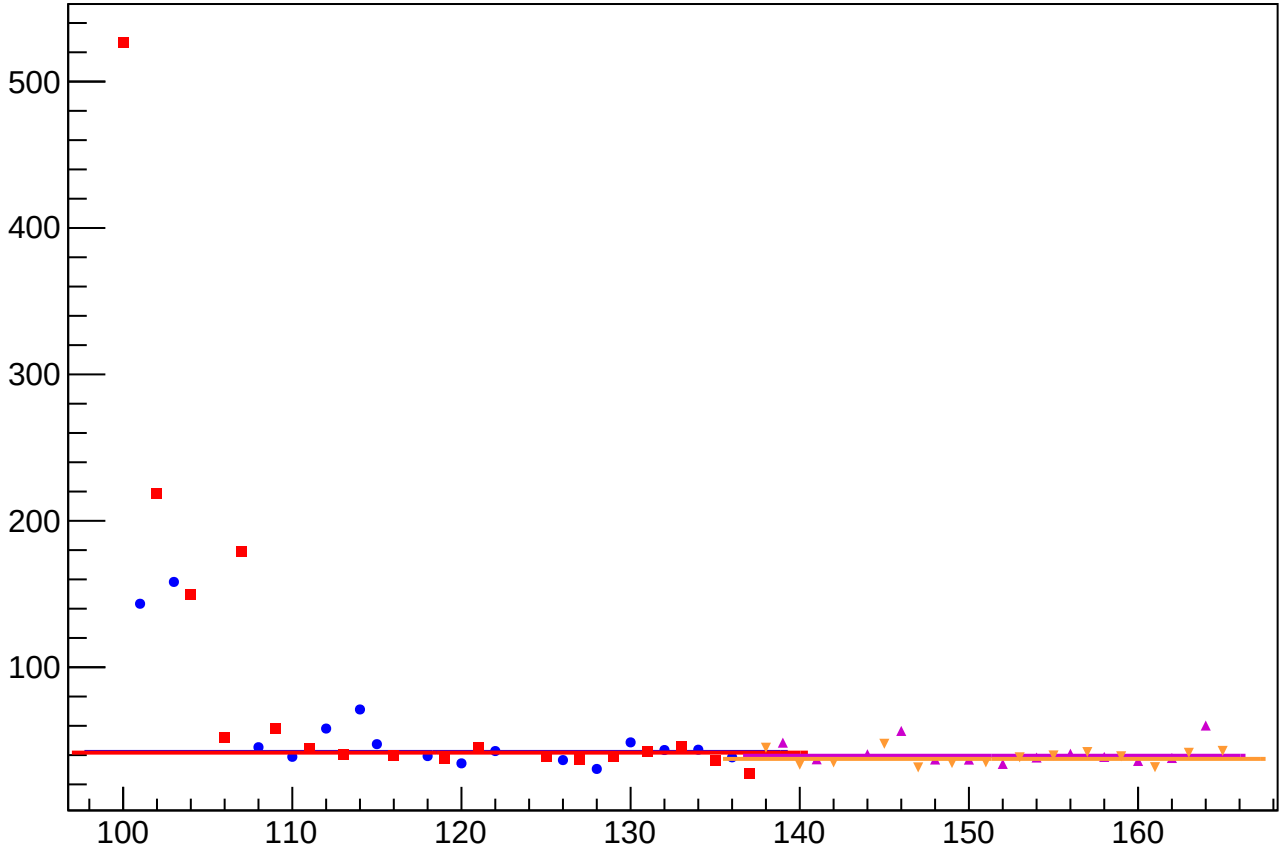
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.2/28

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.003+/-0.007 χ^2/NDF: 71.1/60

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: 37.416+/-0.009 χ^2/NDF:282769.4/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

Left: 38.434+/-0.006 χ^2/NDF: 703206.1/26

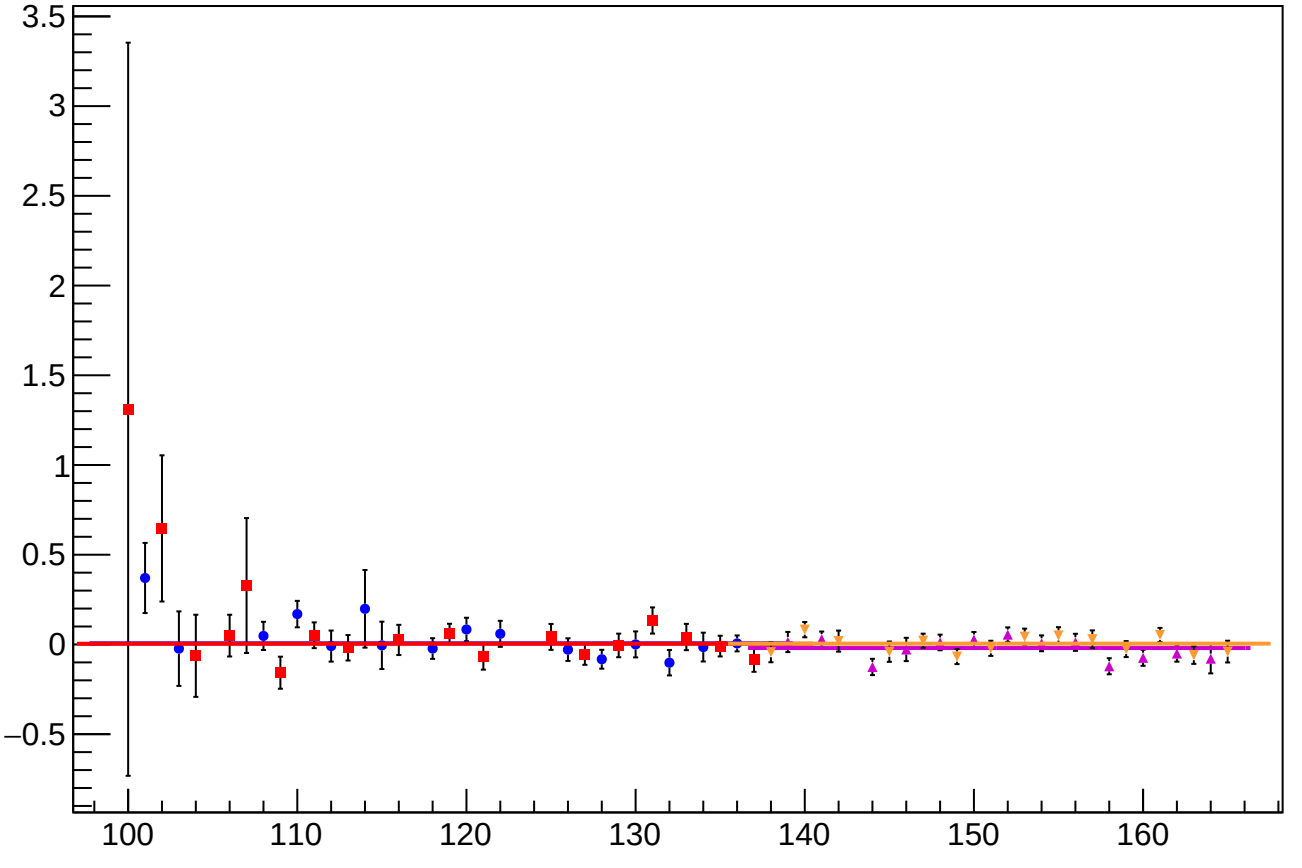
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.435+/-0.008 χ^2/NDF:1873909.1/28

Out: 38.738+/-0.007 χ^2/NDF:1797090.8/31

All: 39.564+/-0.005 χ^2/NDF: 3697268.7/60

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:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.007+/-0.009 χ^2/NDF: 37.0/26

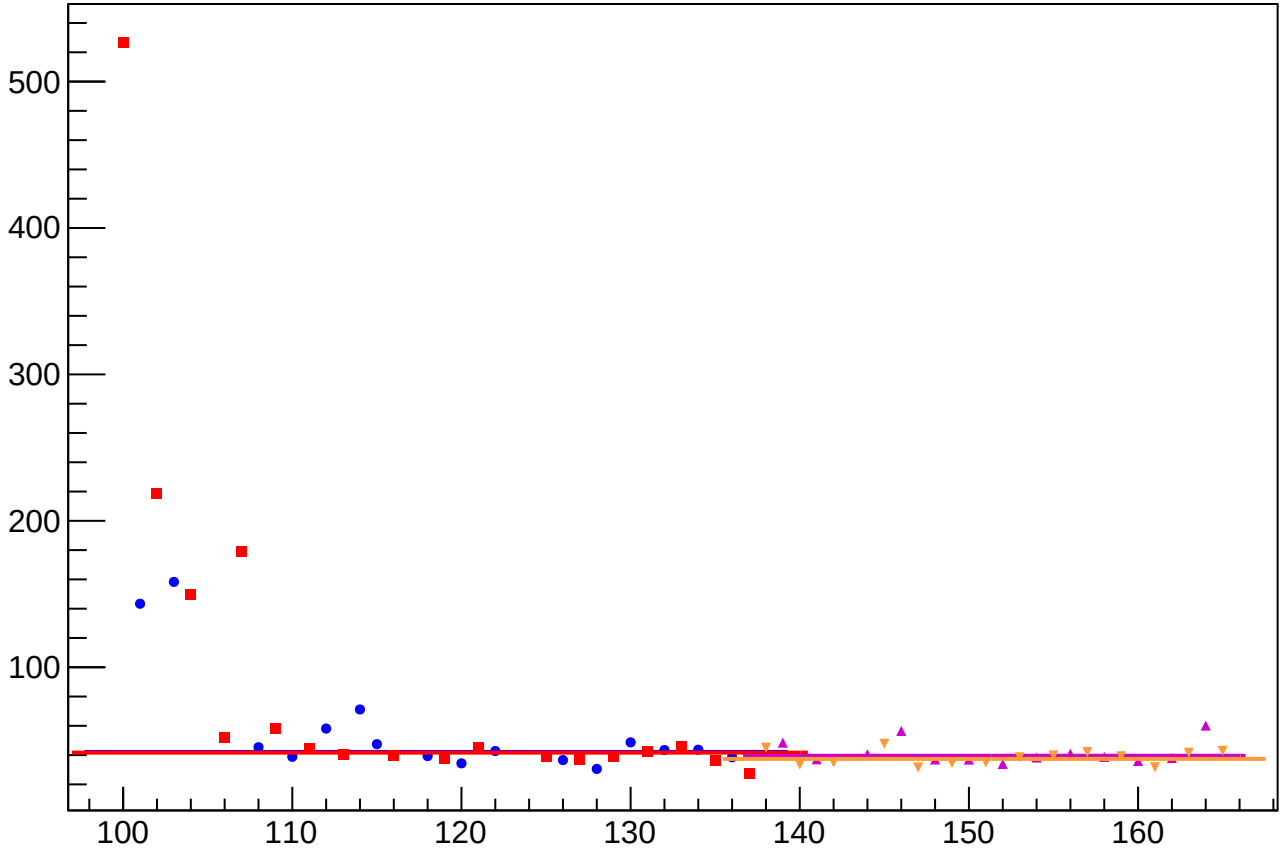
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.2/28

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.003+/-0.007 χ^2/NDF: 71.1/60

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: 37.416+/-0.009 χ^2/NDF:282769.4/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

Left: 38.434+/-0.006 χ^2/NDF: 703206.1/26

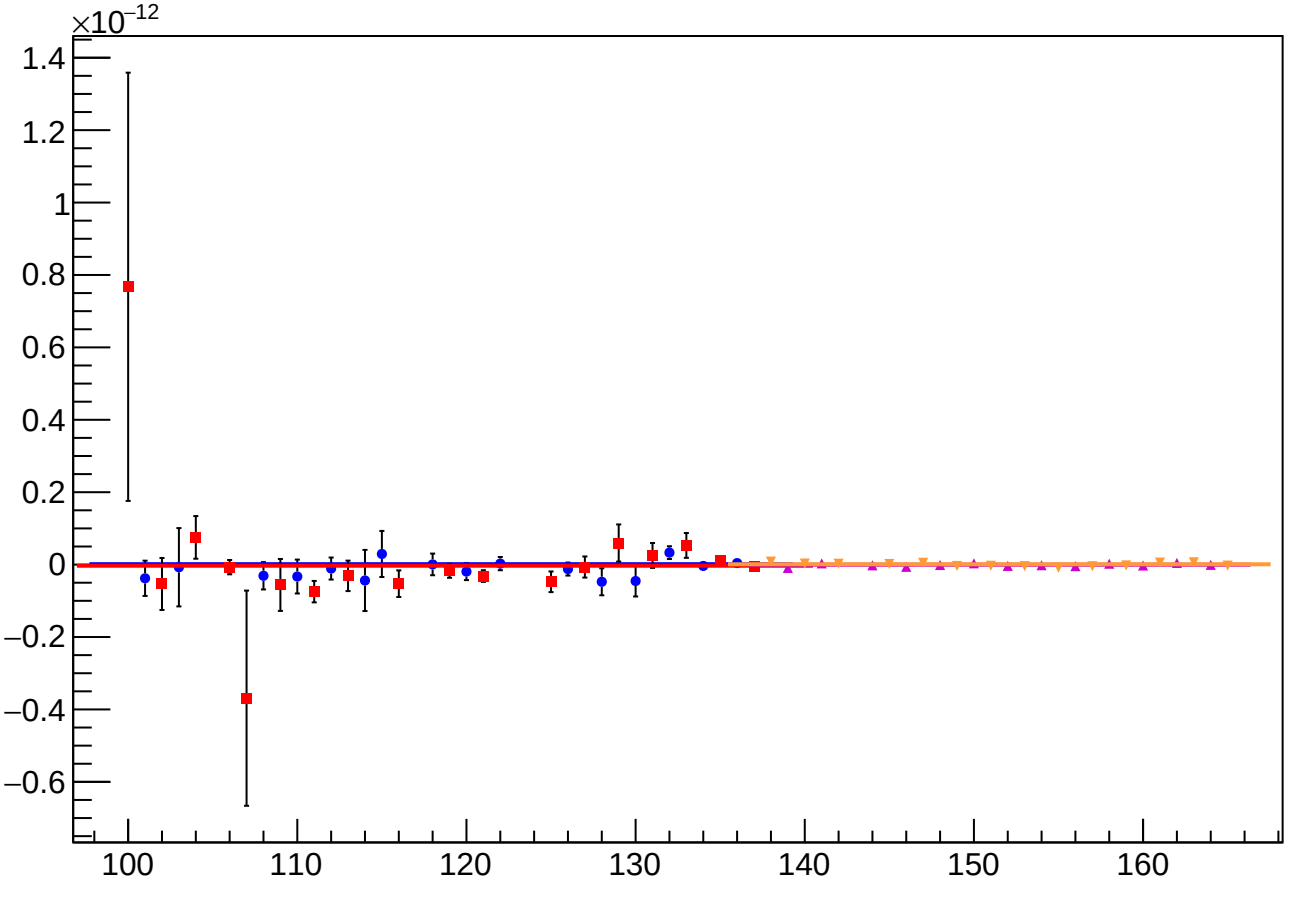
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.435+/-0.008 χ^2/NDF:1873909.1/28

Out: 38.738+/-0.007 χ^2/NDF:1797090.8/31

All: 39.564+/-0.005 χ^2/NDF: 3697268.7/60

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:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

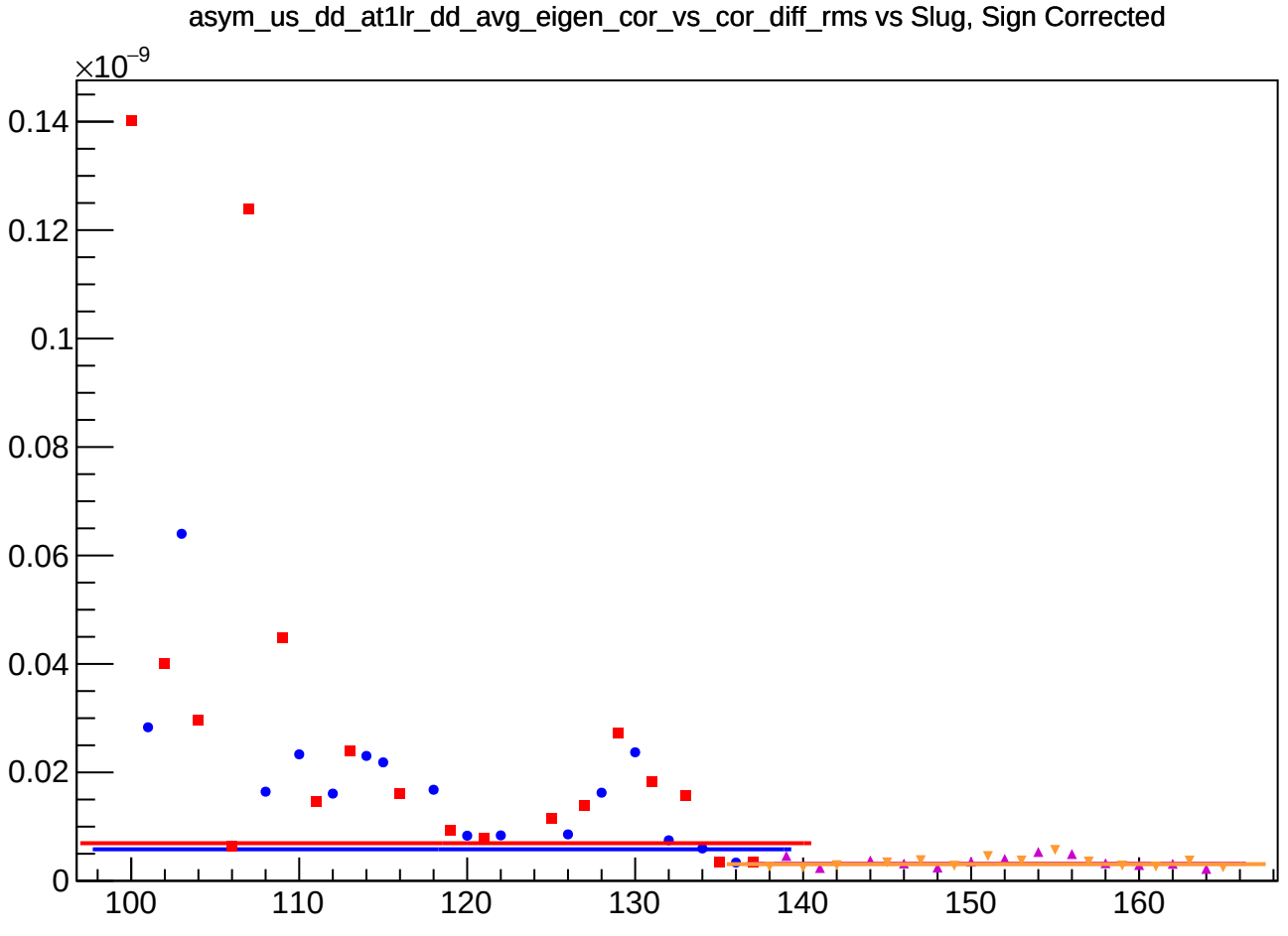
Left: 0.000+/-0.000 χ^2/NDF: 20.1/26

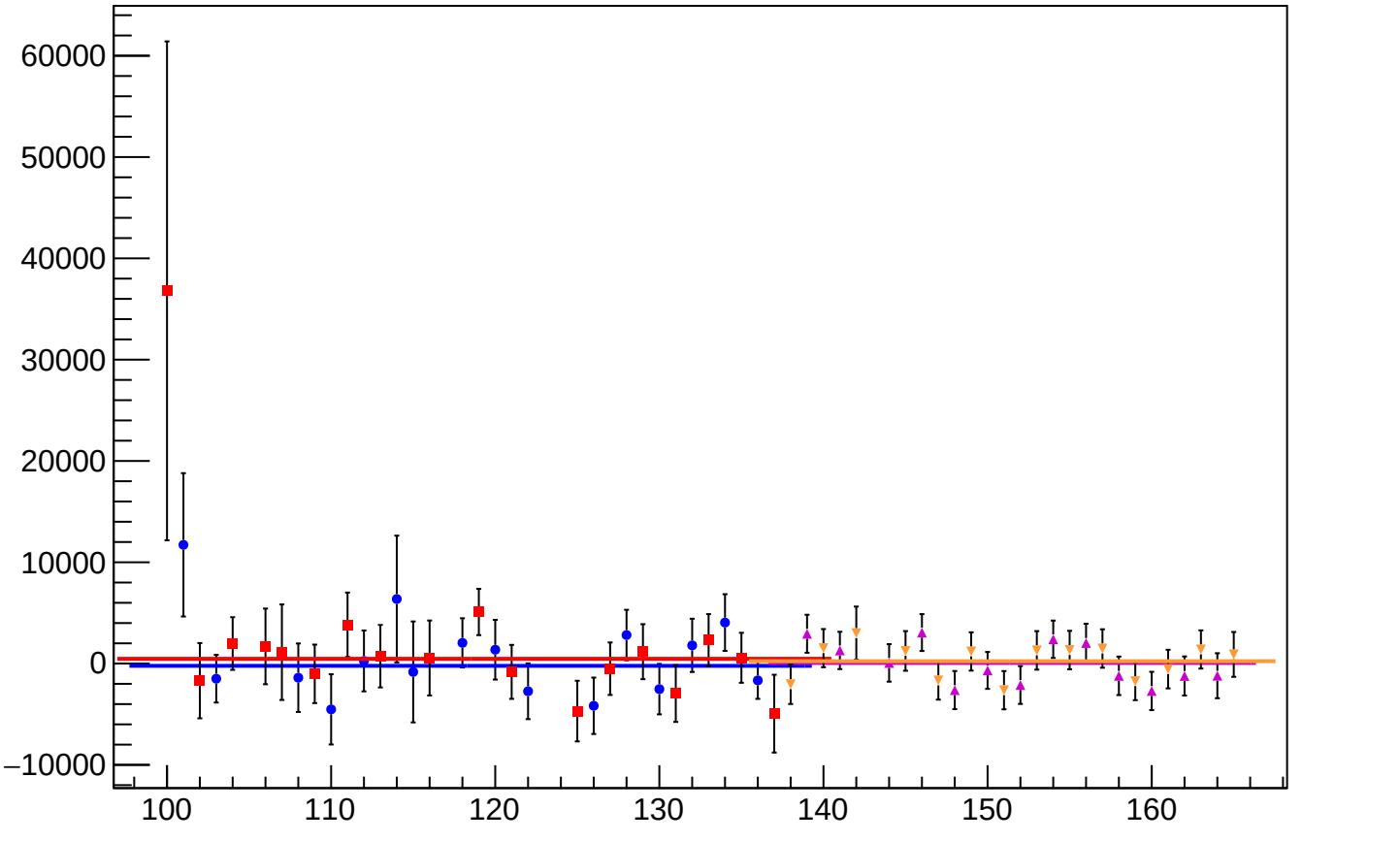
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:41.4/31

All: 0.000+/-0.000 χ^2/NDF: 60.0/60


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
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:573785.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:786299.3/12
Left: 0.000+/-0.000 χ²/NDF: 1364127.0/26
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4904832.1/28
Out: 0.000+/-0.000 χ²/NDF:5597369.9/31
All: 0.000+/-0.000 χ²/NDF: 10507026.3/60



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 237.330+/-522.287 χ^2/NDF:9.6/13

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 59.665+/-524.026 χ^2/NDF:15.1/12

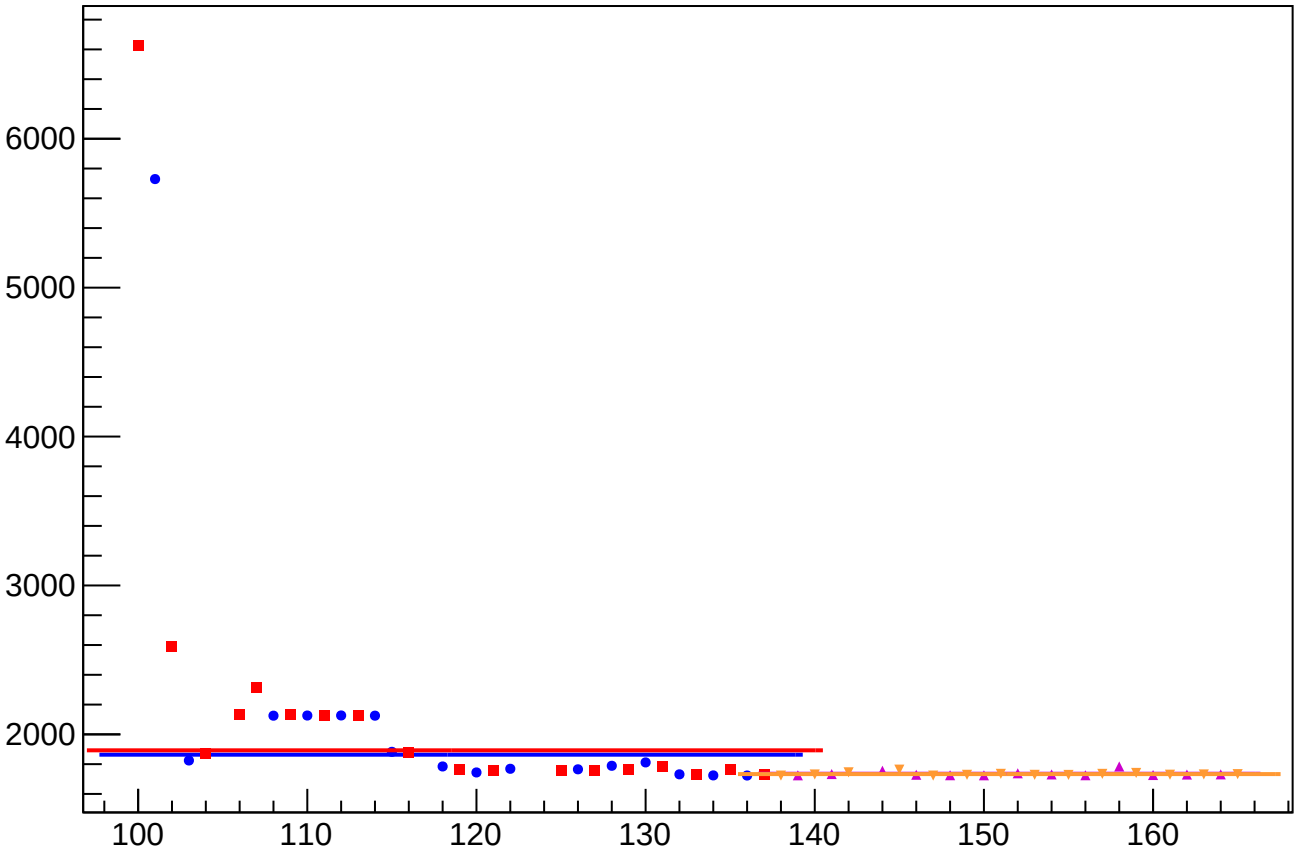
Left: 148.793+/-369.926 χ^2/NDF: 24.8/26

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -40.162+/-421.446 χ^2/NDF:31.0/28

Out: 319.651+/-421.023 χ^2/NDF:25.5/31

All: 139.925+/-297.858 χ^2/NDF: 56.9/60



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

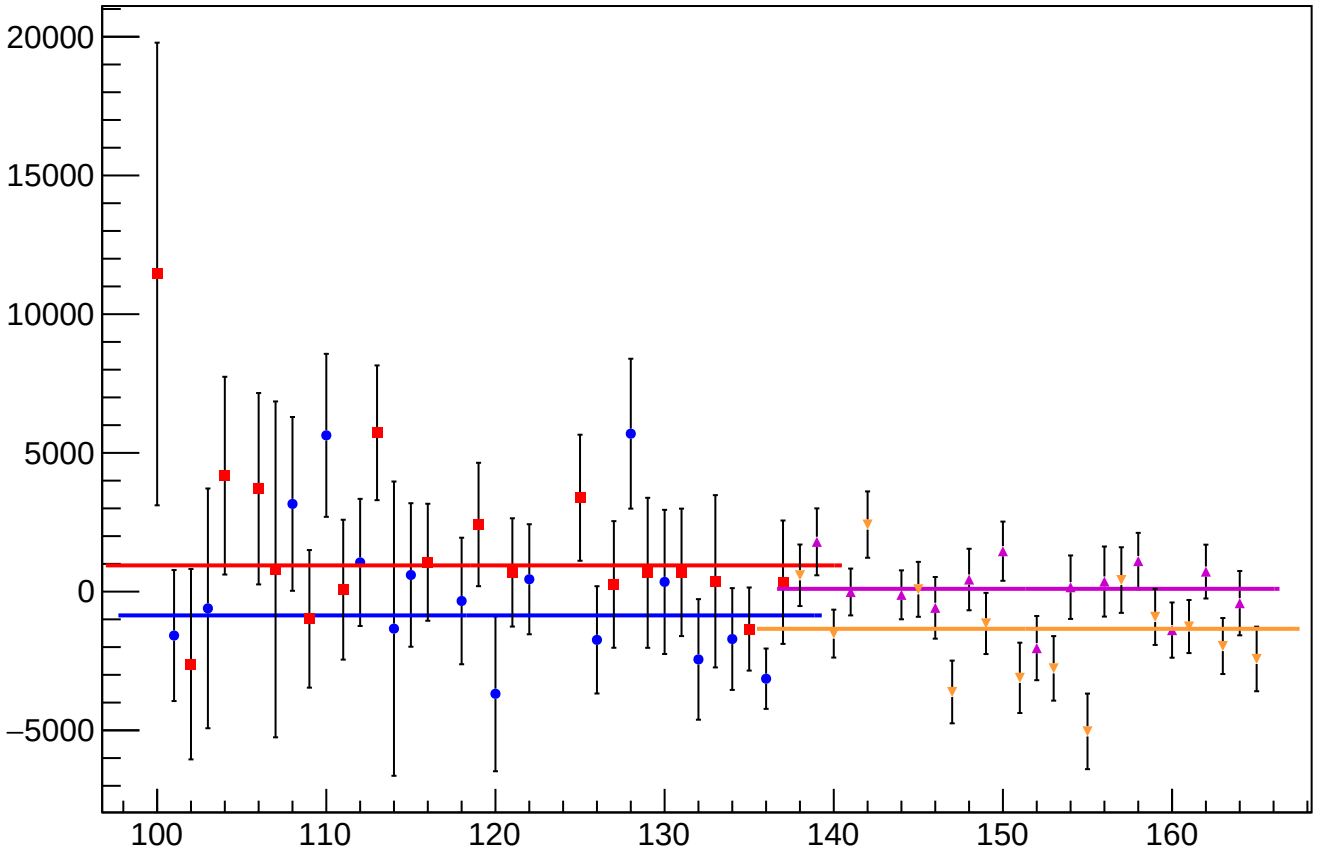
Left: 1734.458+/-0.262 χ^2/NDF: 2642.5/26

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1780.851+/-0.298 χ^2/NDF:718655.5/28

Out: 1789.143+/-0.298 χ^2/NDF:317640.0/31

All: 1785.001+/-0.211 χ^2/NDF: 1036683.0/60



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1340.747+/-290.069 χ^2/NDF:33.6/13

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 99.895+/-291.129 χ^2/NDF:11.4/12

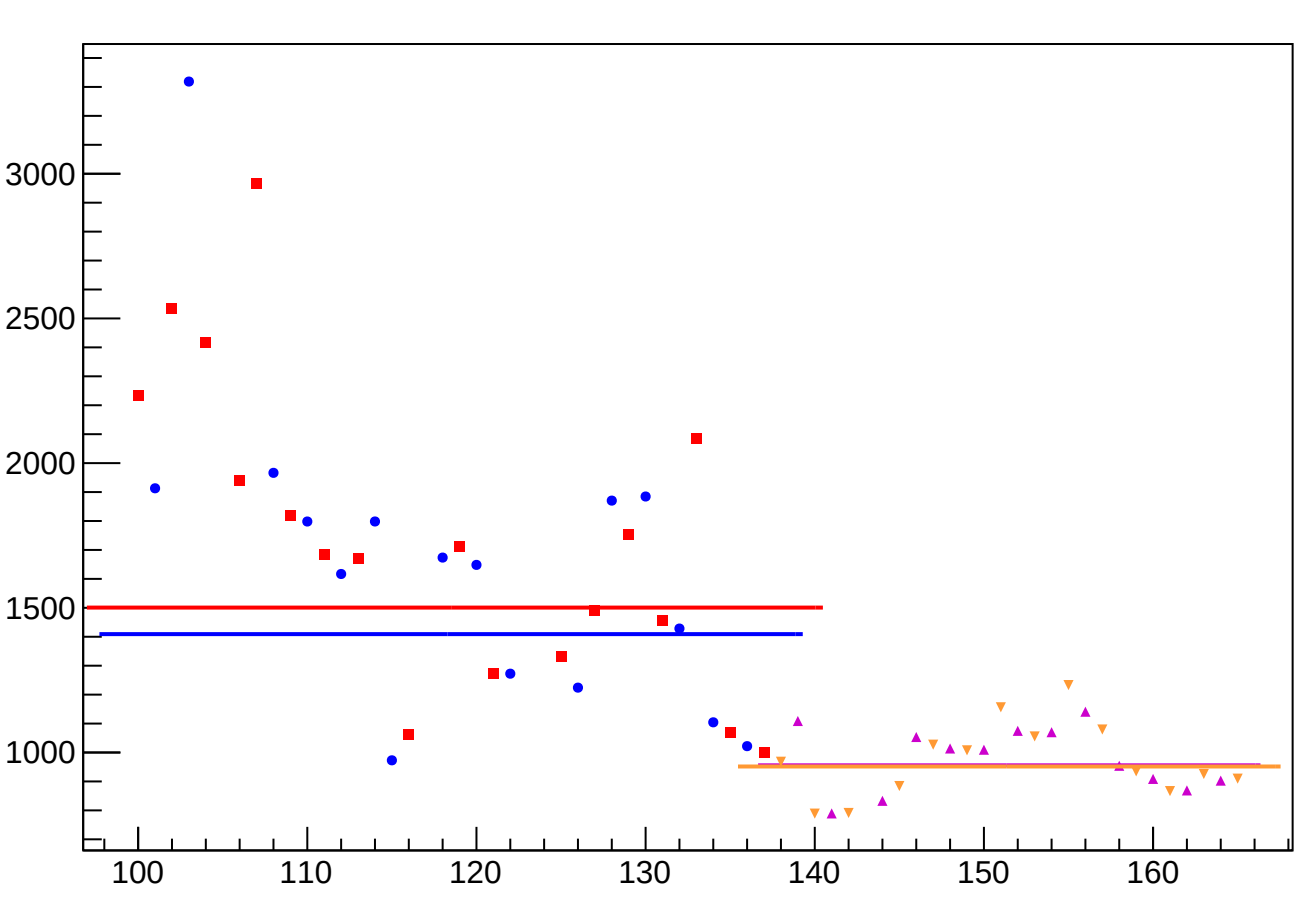
Left: -623.055+/-205.484 χ^2/NDF: 57.2/26

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -109.723+/-257.284 χ^2/NDF:34.4/28

Out: -888.447+/-259.785 χ^2/NDF:58.7/31

All: -495.319+/-182.805 χ^2/NDF: 97.7/60



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 951.673+/-0.205 χ^2/NDF:328046.7/13

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 955.764+/-0.206 χ^2/NDF:283577.8/12

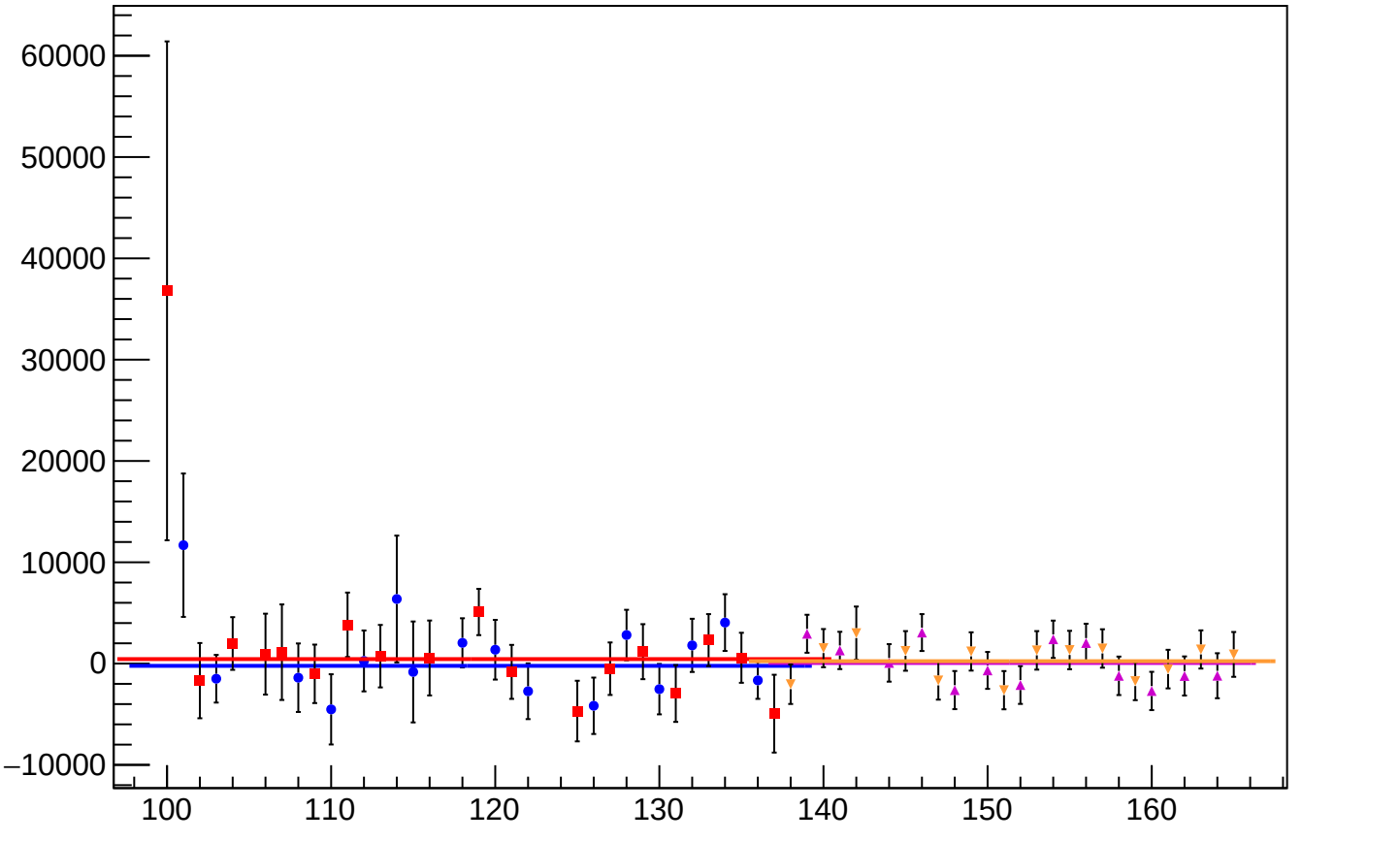
Left: 953.711+/-0.145 χ^2/NDF: 611822.7/26

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1055.041+/-0.182 χ^2/NDF:2513276.6/28

Out: 1060.347+/-0.184 χ^2/NDF:2777307.8/31

All: 1057.668+/-0.129 χ^2/NDF: 5291005.7/60



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 237.425+/-522.287 χ^2/NDF:9.6/13

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 59.672+/-524.026 χ^2/NDF:15.1/12

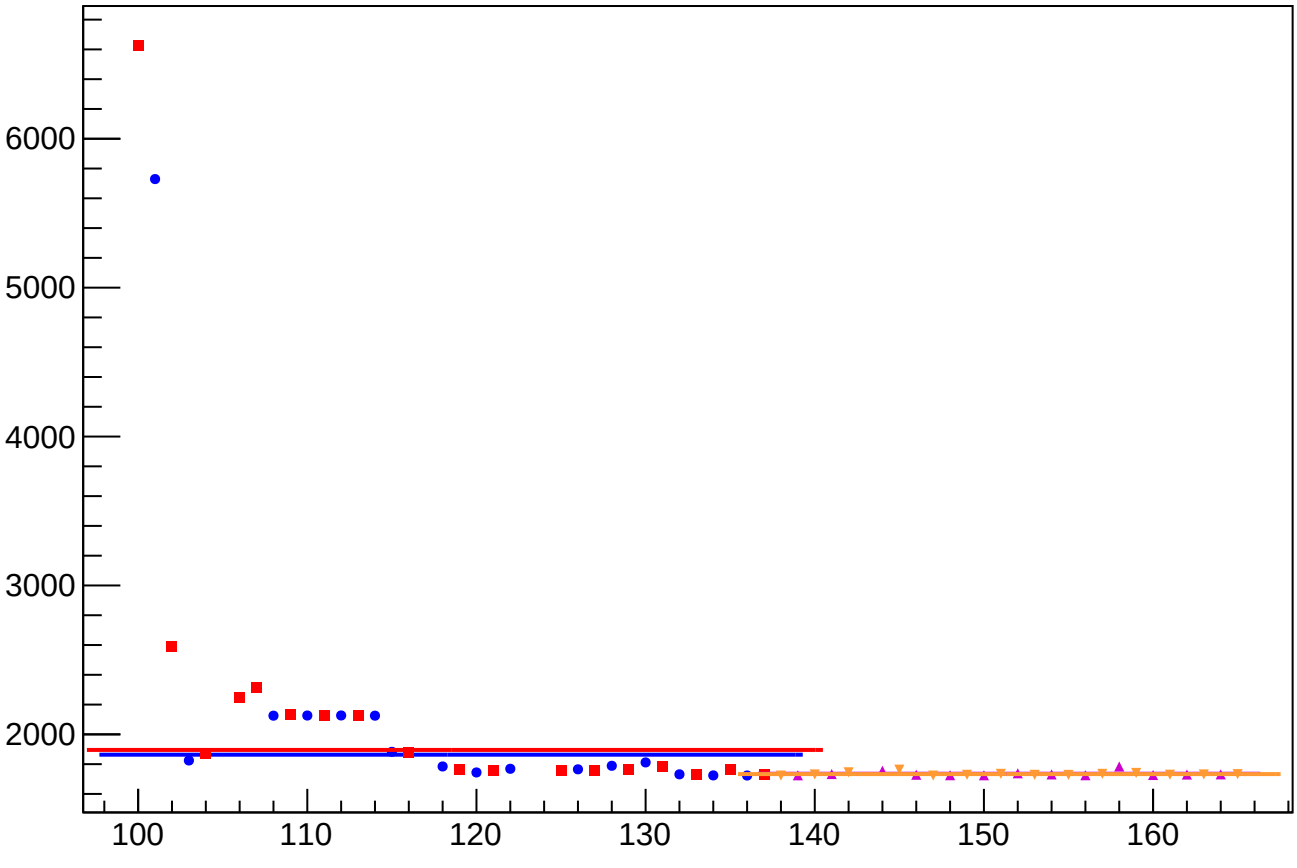
Left: 148.844+/-369.926 χ^2/NDF: 24.8/26

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -40.431+/-421.446 χ^2/NDF:31.0/28

Out: 309.208+/-421.359 χ^2/NDF:25.4/31

All: 134.425+/-297.976 χ^2/NDF: 56.8/60



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

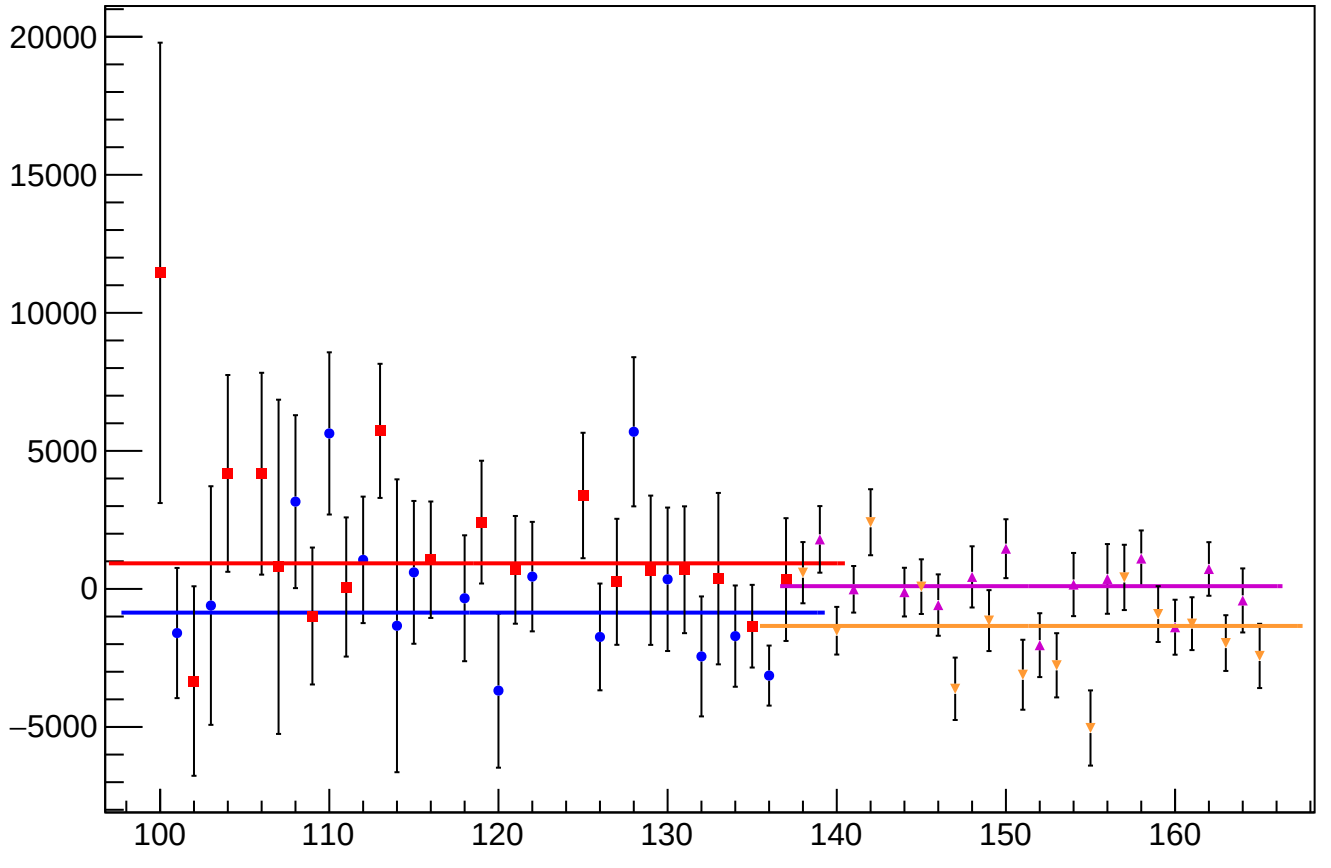
Left: 1734.458+/-0.262 χ^2/NDF: 2642.5/26

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1780.851+/-0.298 χ^2/NDF:718655.4/28

Out: 1789.894+/-0.298 χ^2/NDF:327268.6/31

All: 1785.373+/-0.211 χ^2/NDF: 1046384.5/60



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1340.697+/-290.069 χ^2/NDF:33.6/13

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 99.952+/-291.128 χ^2/NDF:11.4/12

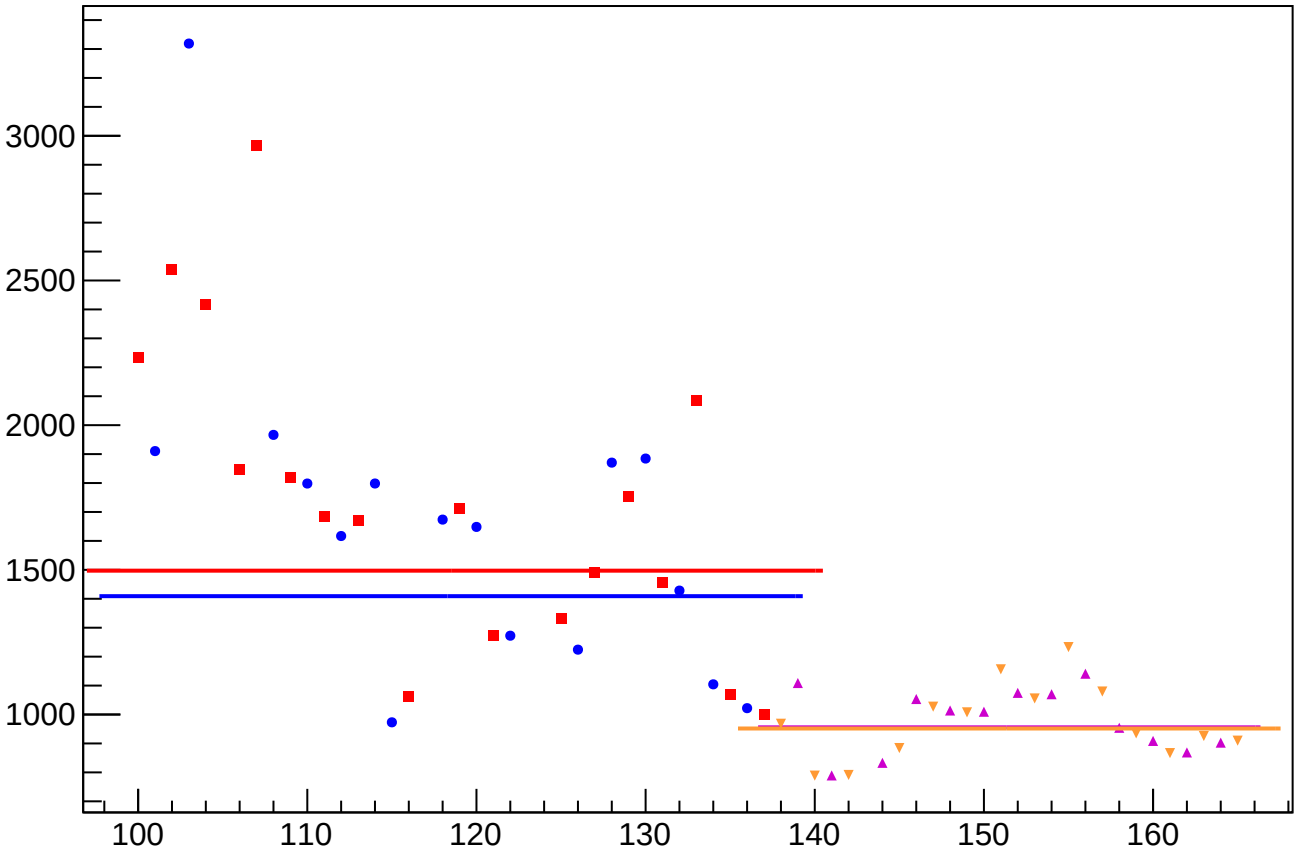
Left: -622.999+/-205.483 χ^2/NDF: 57.3/26

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -109.883+/-257.279 χ^2/NDF:34.4/28

Out: -893.007+/-259.866 χ^2/NDF:59.1/31

All: -497.528+/-182.832 χ^2/NDF: 98.1/60



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 951.673+/-0.205 χ^2/NDF:328015.6/13

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

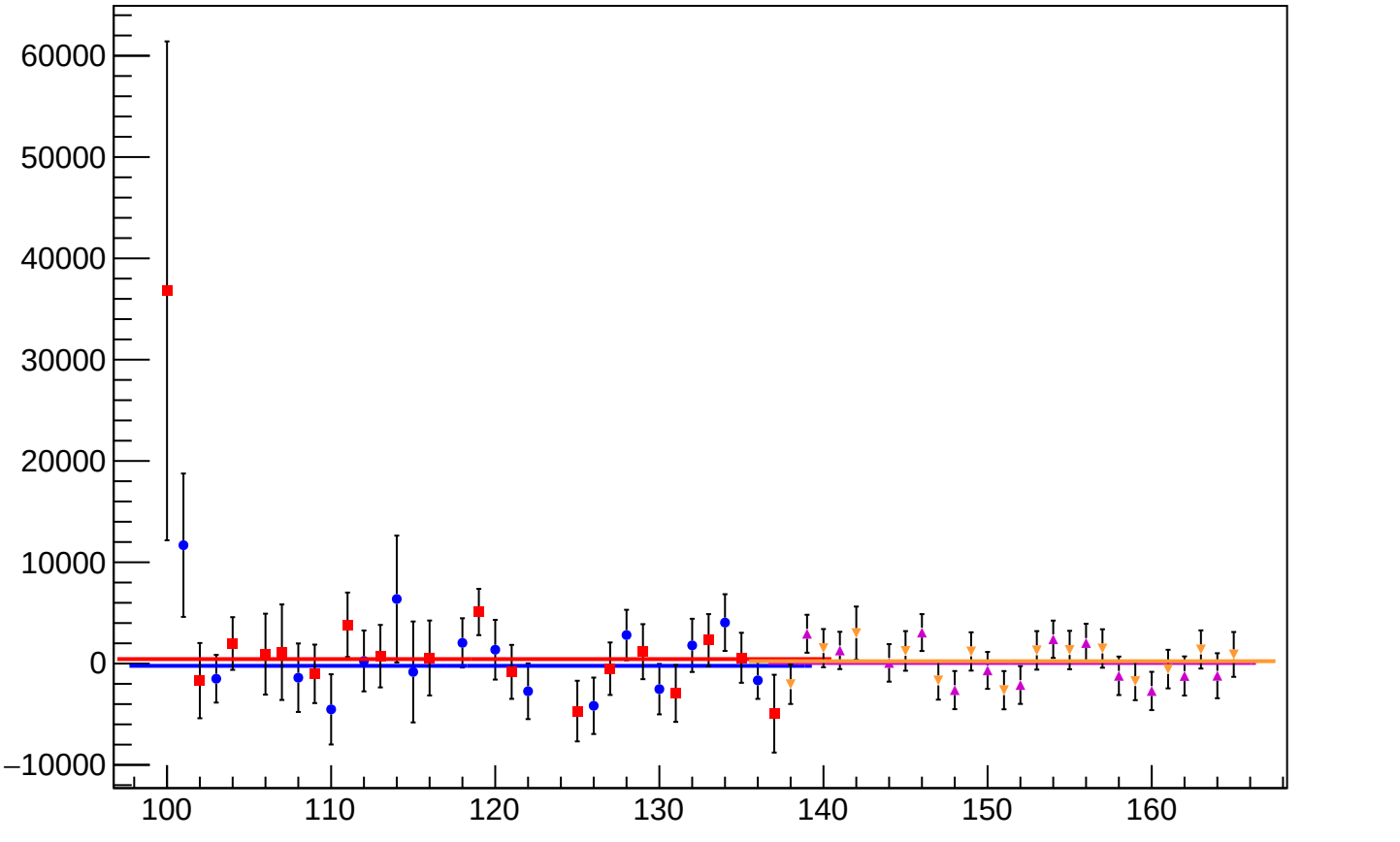
Left: 953.709+/-0.145 χ^2/NDF: 611804.9/26

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1055.032+/-0.182 χ^2/NDF:2512434.9/28

Out: 1059.352+/-0.184 χ^2/NDF:2742297.0/31

All: 1057.171+/-0.129 χ^2/NDF: 5255011.0/60



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 237.425+/-522.287 χ^2/NDF:9.6/13

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 59.672+/-524.026 χ^2/NDF:15.1/12

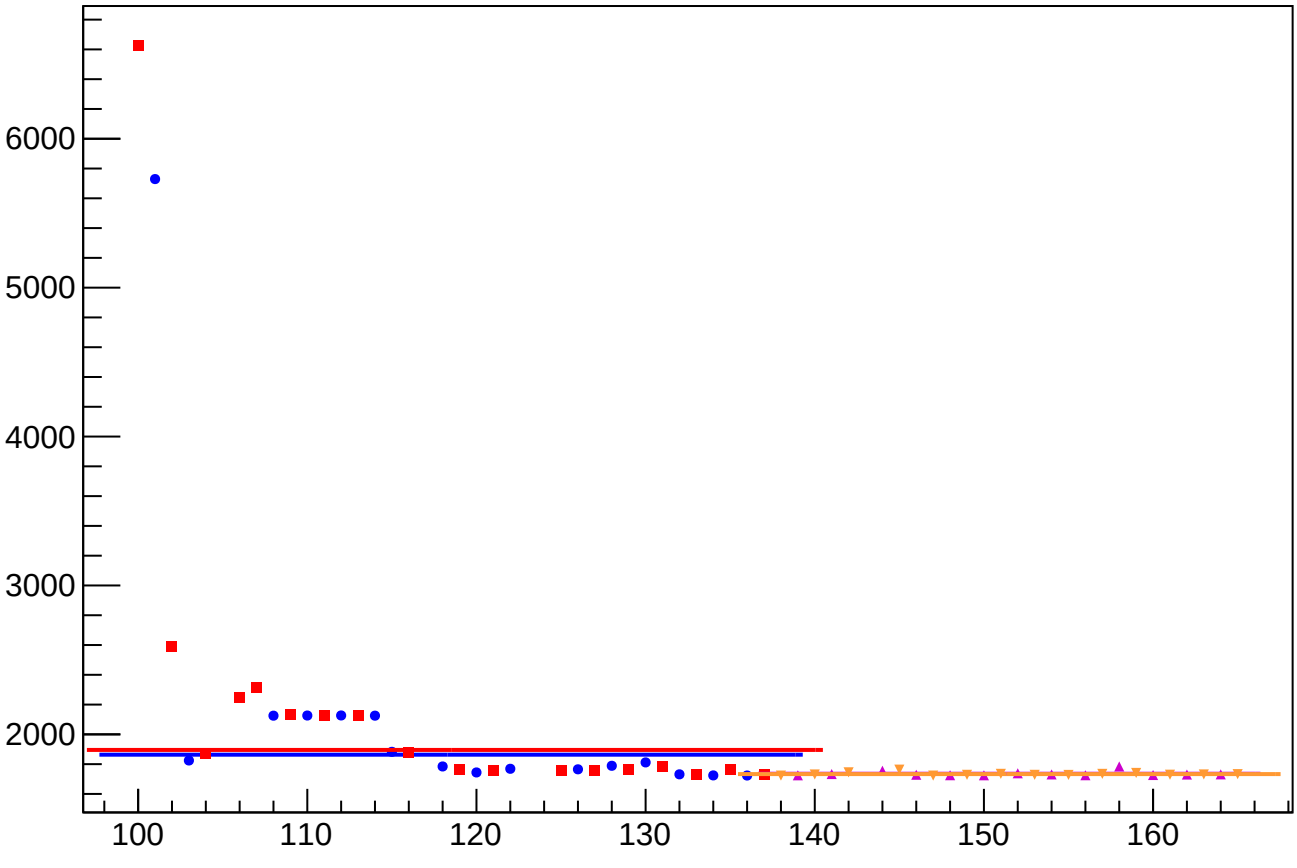
Left: 148.844+/-369.926 χ^2/NDF: 24.8/26

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -40.431+/-421.446 χ^2/NDF:31.0/28

Out: 309.208+/-421.359 χ^2/NDF:25.4/31

All: 134.425+/-297.976 χ^2/NDF: 56.8/60



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

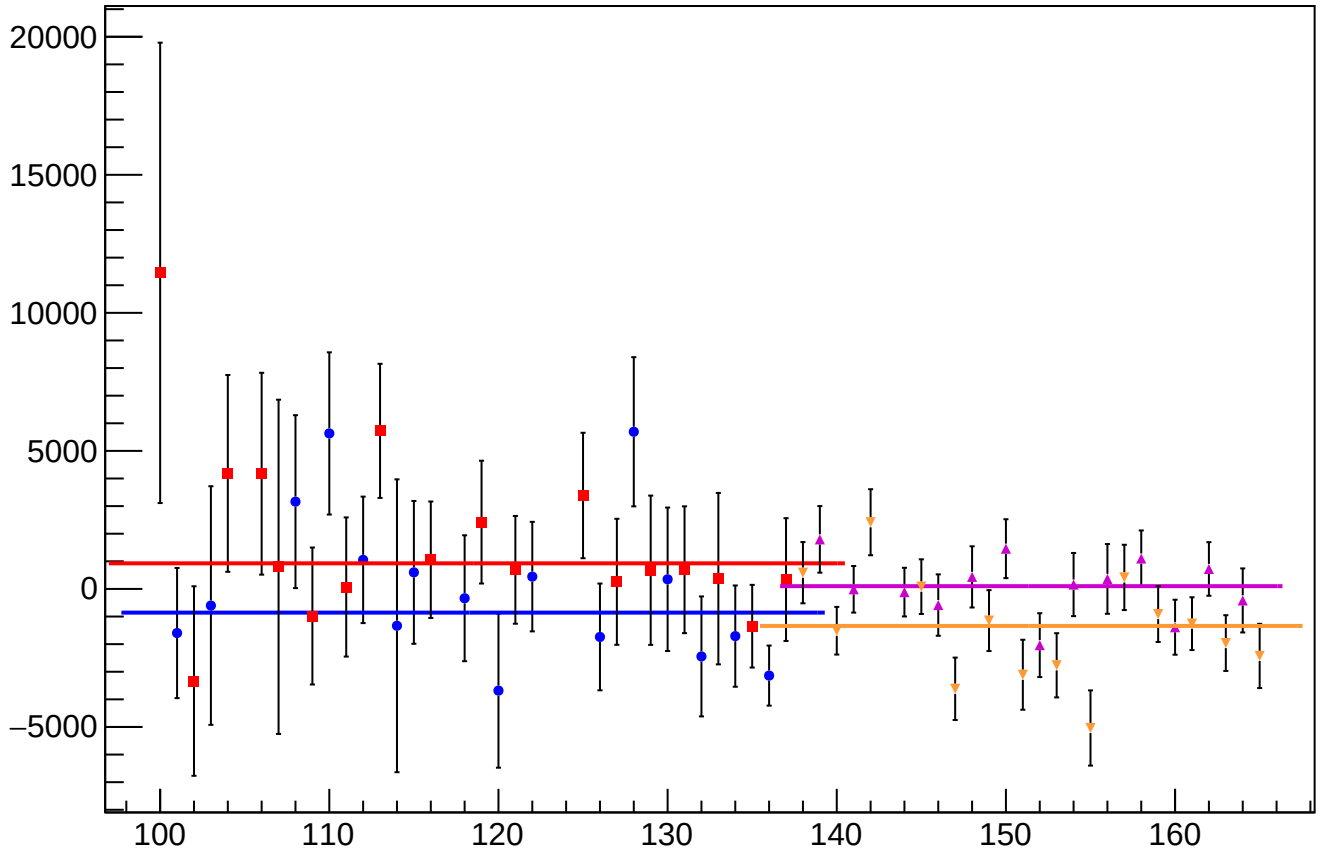
Left: 1734.458+/-0.262 χ^2/NDF: 2642.5/26

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1780.851+/-0.298 χ^2/NDF:718655.4/28

Out: 1789.894+/-0.298 χ^2/NDF:327268.6/31

All: 1785.373+/-0.211 χ^2/NDF: 1046384.5/60



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1340.697+/-290.069 χ^2/NDF:33.6/13

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 99.952+/-291.128 χ^2/NDF:11.4/12

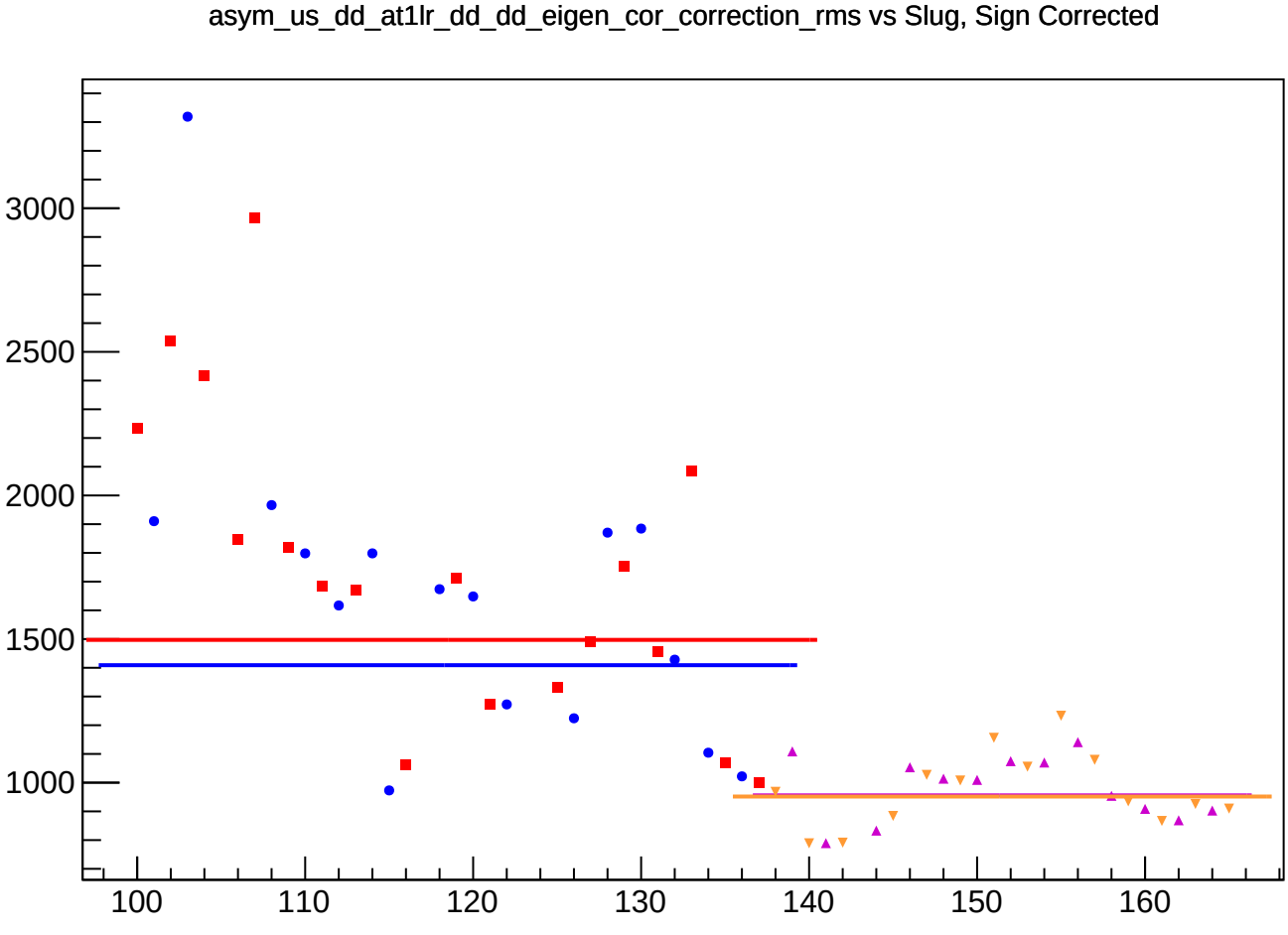
Left: -622.999+/-205.483 χ^2/NDF: 57.3/26

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -109.883+/-257.279 χ^2/NDF:34.4/28

Out: -893.007+/-259.866 χ^2/NDF:59.1/31

All: -497.528+/-182.832 χ^2/NDF: 98.1/60


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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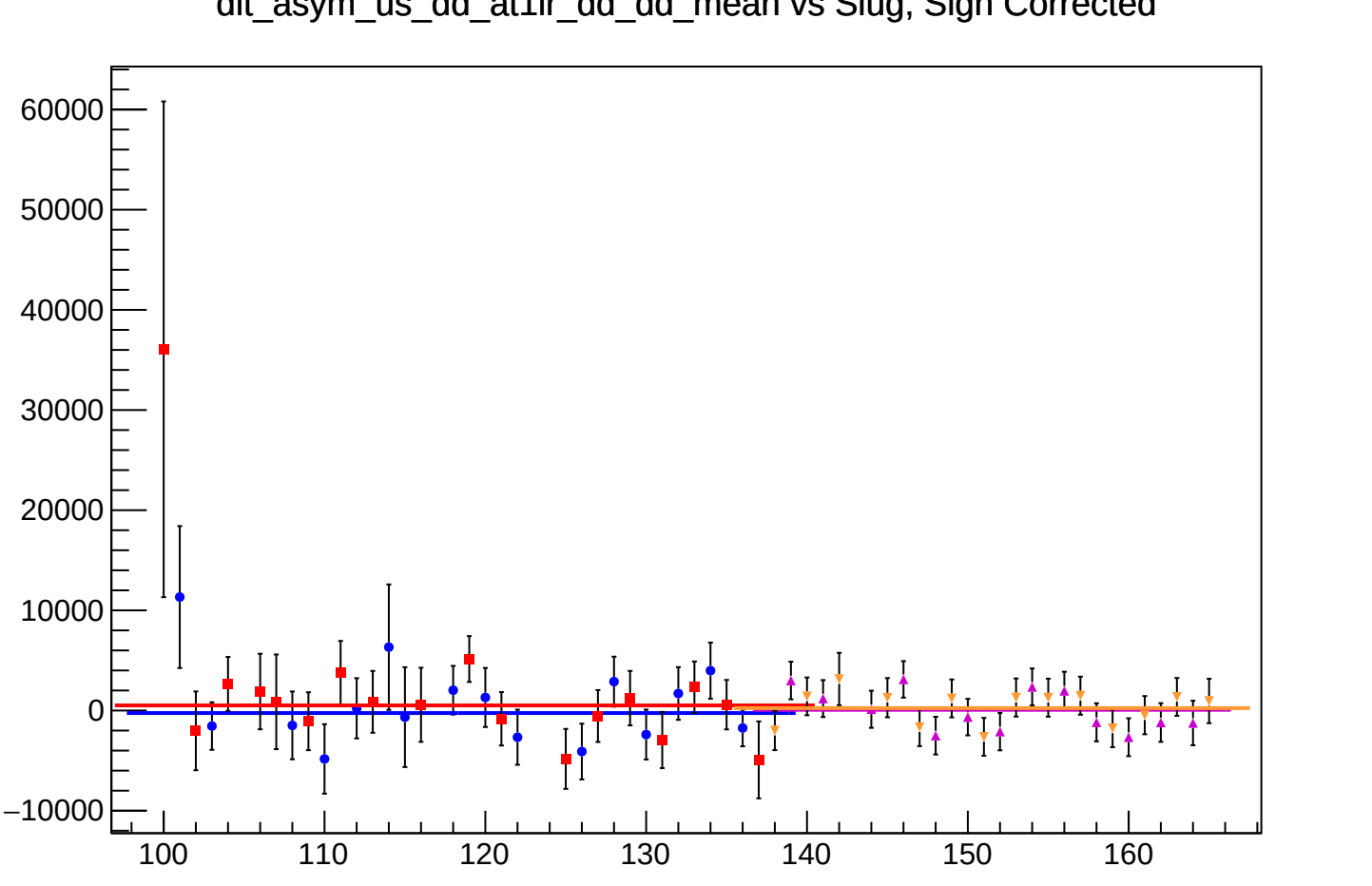
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 951.673+/-0.205 χ²/NDF:328015.6/13
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 955.760+/-0.206 χ²/NDF:283591.5/12
Left: 953.709+/-0.145 χ²/NDF: 611804.9/26
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1055.032+/-0.182 χ²/NDF:2512434.9/28
Out: 1059.352+/-0.184 χ²/NDF:2742297.0/31
All: 1057.171+/-0.129 χ²/NDF: 5255011.0/60


dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
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30000
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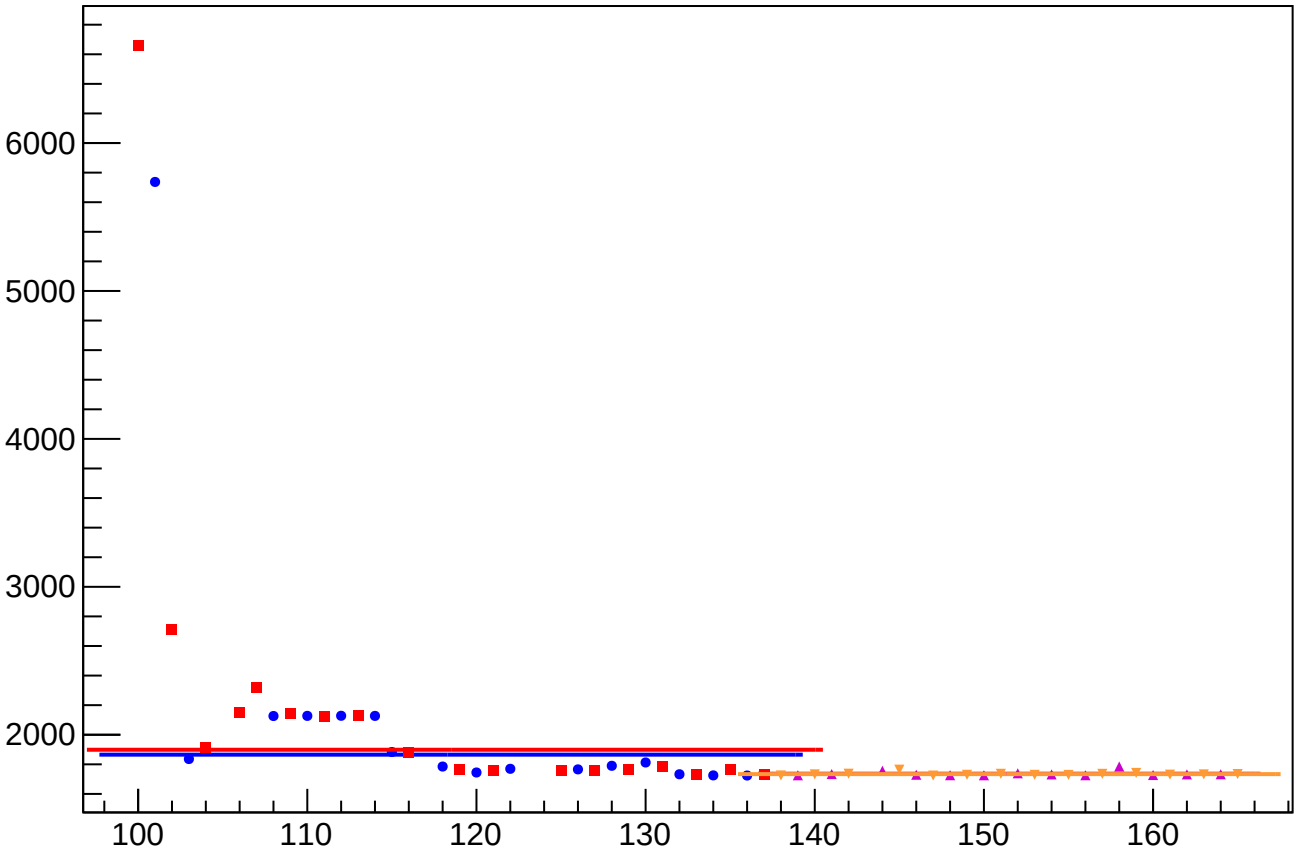
150
160
Right In: -252.024+/-709.973 χ²/NDF: 15.6/15
Left Out: 240.625+/-522.493 χ²/NDF:9.6/13
Right Out: 510.117+/-715.442 χ²/NDF: 16.4/17
Left In: 70.993+/-524.306 χ²/NDF:14.8/12
Left: 156.103+/-370.097 χ²/NDF: 24.4/26
Right: 126.122+/-503.949 χ²/NDF: 32.6/33
In: -43.001+/-421.764 χ²/NDF:30.6/28
Out: 334.363+/-421.949 χ²/NDF:26.1/31
All: 145.598+/-298.297 χ²/NDF: 57.1/60



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.886+/-0.369 χ^2/NDF:662.0/13

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.602+/-0.371 χ^2/NDF:1897.0/12

Left: 1735.239+/-0.262 χ^2/NDF: 2586.0/26

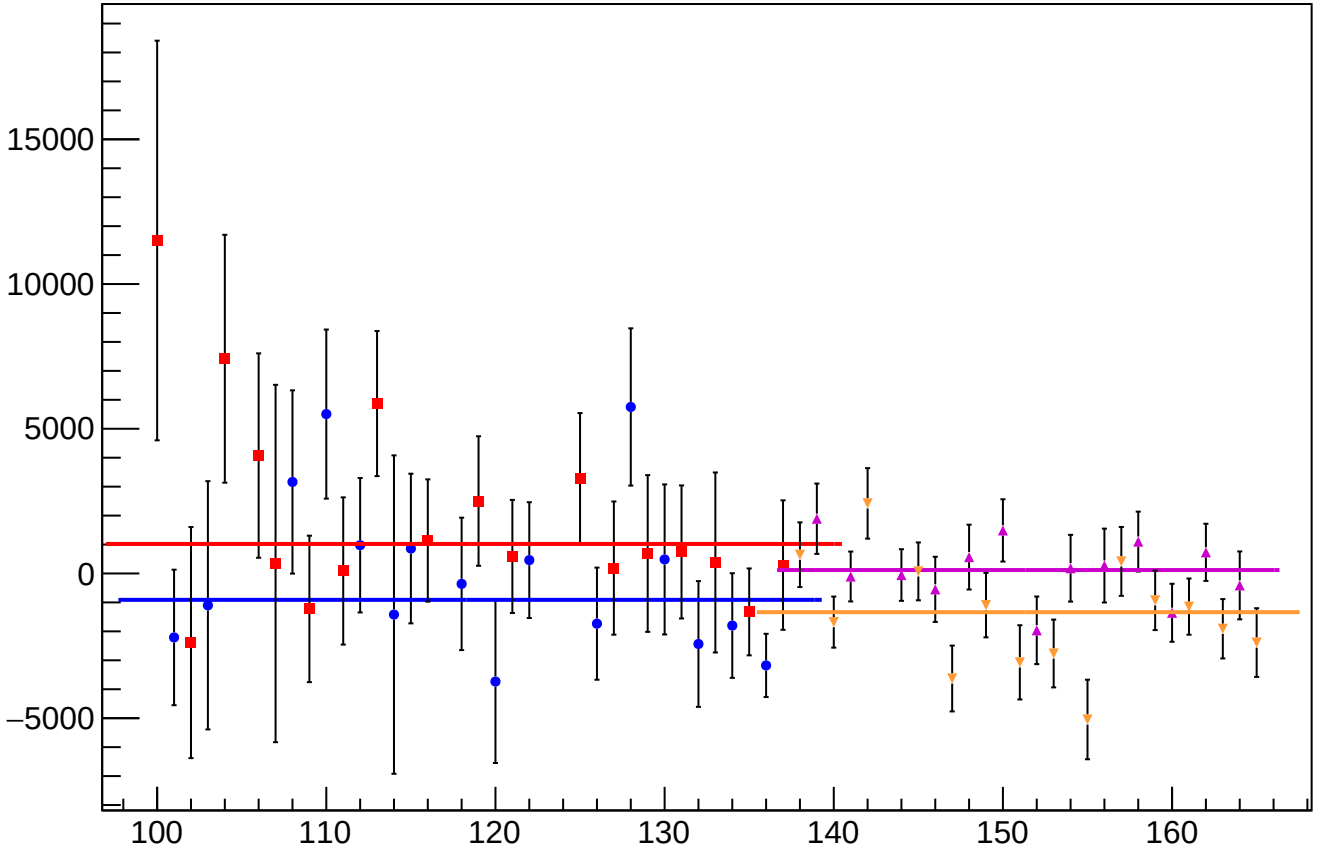
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1782.069+/-0.298 χ^2/NDF:719505.5/28

Out: 1791.180+/-0.298 χ^2/NDF:338910.3/31

All: 1786.623+/-0.211 χ^2/NDF: 1058882.2/60

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: -1337.291+/-293.827 χ^2/NDF:33.0/13

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 118.478+/-294.732 χ^2/NDF:11.2/12

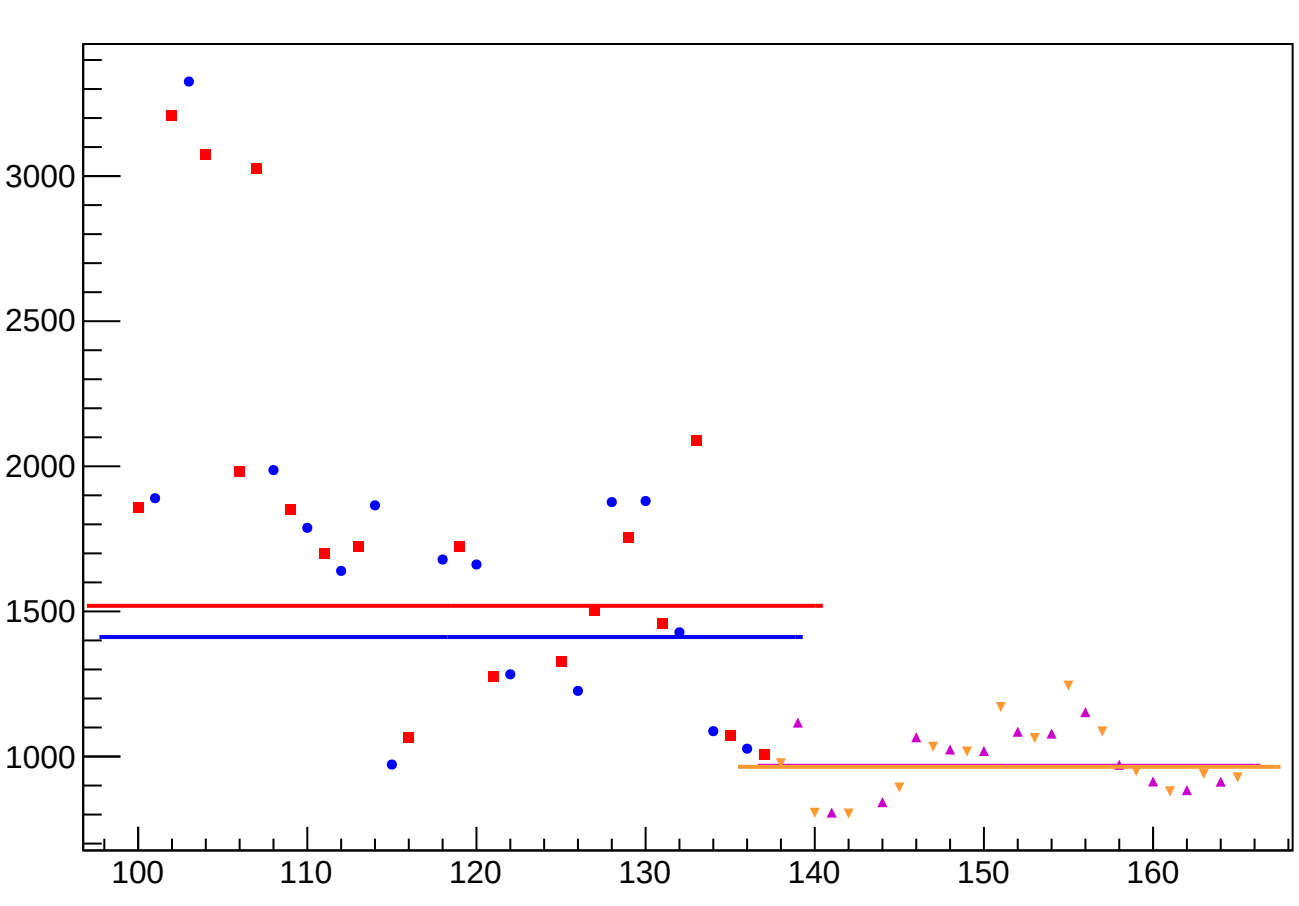
Left: -611.643+/-208.086 χ^2/NDF: 56.4/26

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -110.645+/-259.871 χ^2/NDF:34.9/28

Out: -870.835+/-263.157 χ^2/NDF:60.7/31

All: -485.963+/-184.907 χ^2/NDF: 99.8/60


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected
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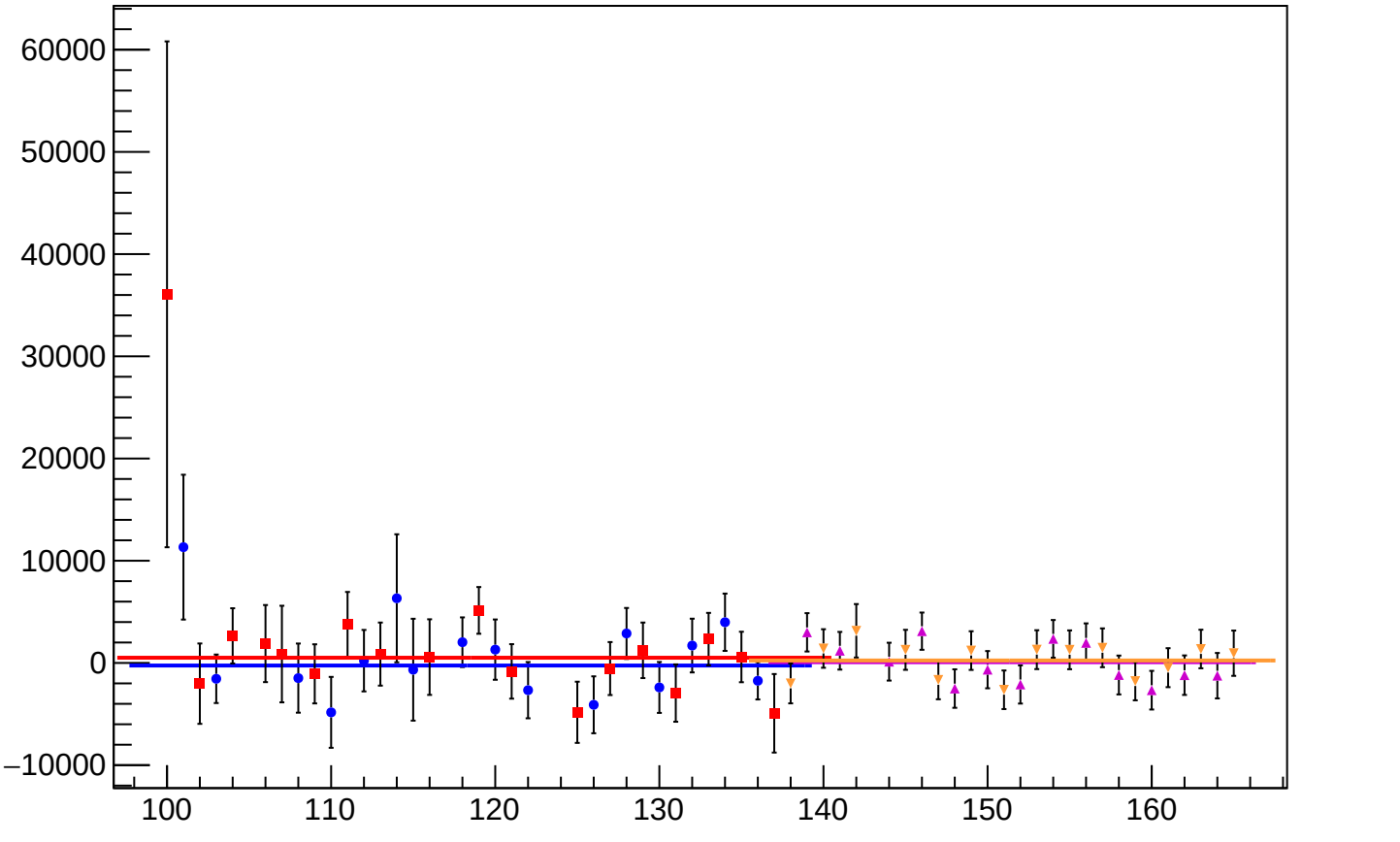
Right In: 1411.748+/-0.389 χ²/NDF: 1177745.4/15
Left Out: 964.615+/-0.208 χ²/NDF:310147.9/13
Right Out: 1519.305+/-0.418 χ²/NDF: 1360145.6/17
Left In: 968.122+/-0.208 χ²/NDF:269573.3/12
Left: 966.363+/-0.147 χ²/NDF: 579863.3/26
Right: 1461.694+/-0.285 χ²/NDF: 2573300.6/33
In: 1066.861+/-0.184 χ²/NDF:2455827.6/28
Out: 1074.370+/-0.186 χ²/NDF:3080624.2/31
All: 1070.568+/-0.131 χ²/NDF: 5537276.3/60



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 240.625+/-522.493 χ^2/NDF:9.6/13

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 70.993+/-524.306 χ^2/NDF:14.8/12

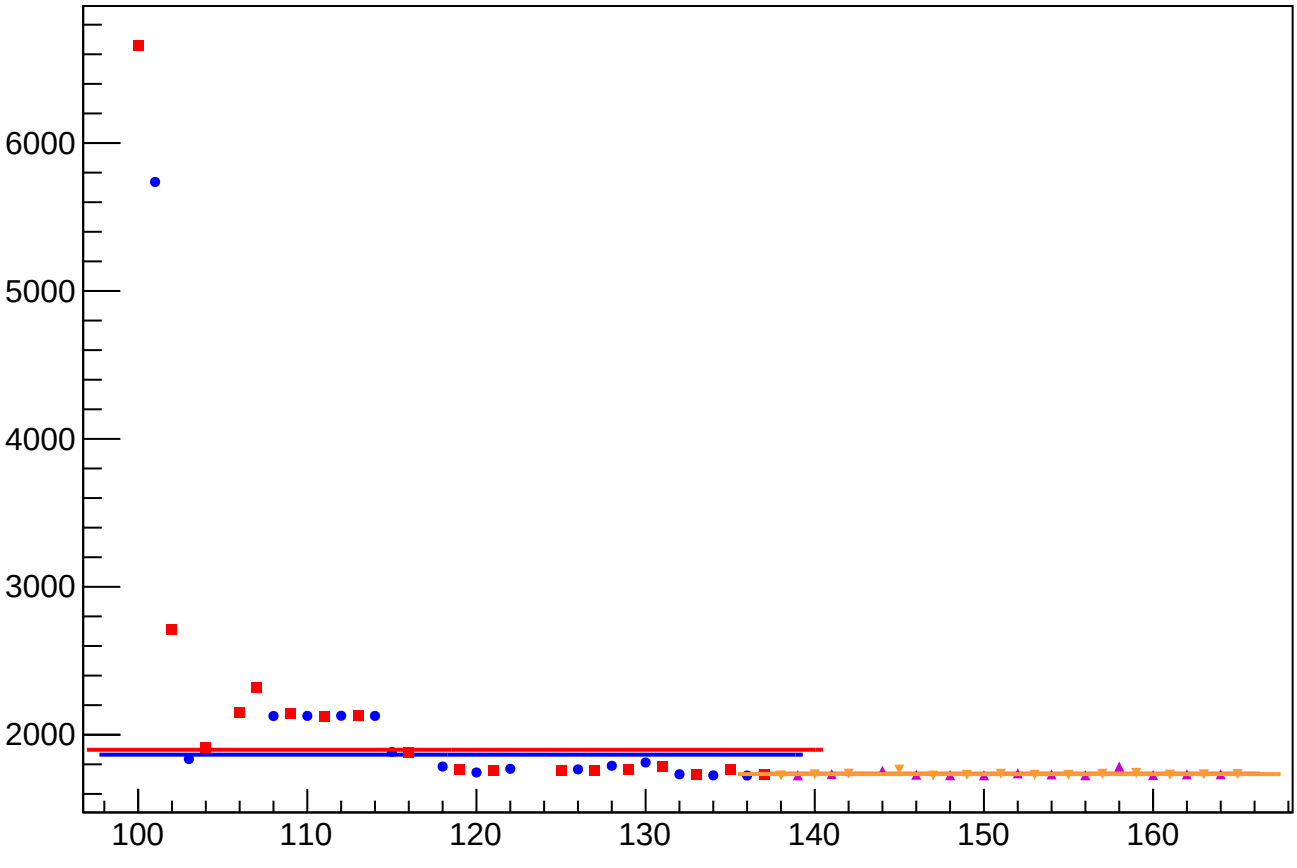
Left: 156.103+/-370.097 χ^2/NDF: 24.4/26

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -43.001+/-421.764 χ^2/NDF:30.6/28

Out: 334.363+/-421.949 χ^2/NDF:26.1/31

All: 145.599+/-298.297 χ^2/NDF: 57.1/60


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
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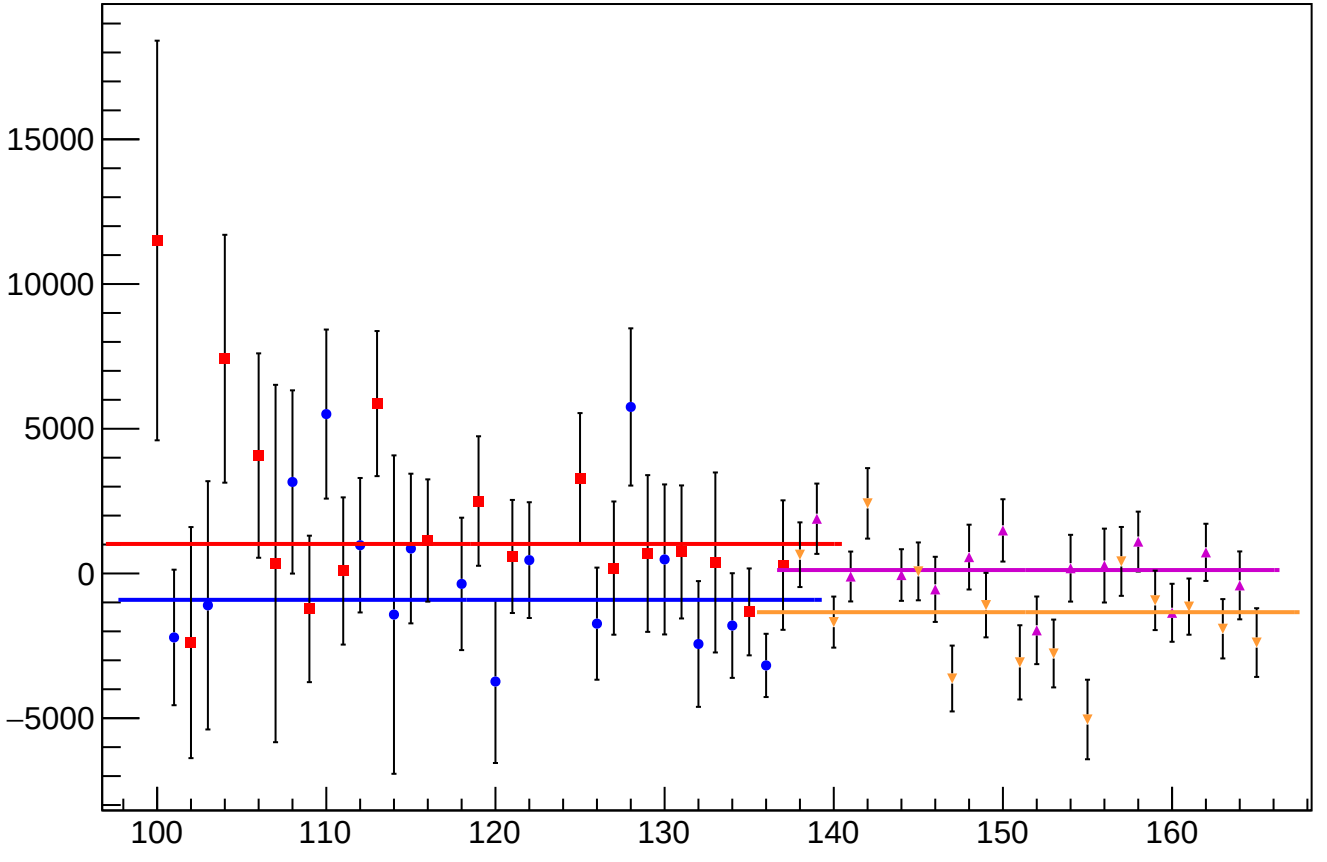
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1733.886+/-0.369 χ²/NDF:662.0/13
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1736.602+/-0.371 χ²/NDF:1897.0/12
Left: 1735.239+/-0.262 χ²/NDF: 2586.0/26
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1782.069+/-0.298 χ²/NDF:719505.4/28
Out: 1791.180+/-0.298 χ²/NDF:338910.0/31
All: 1786.623+/-0.211 χ²/NDF: 1058881.8/60

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: -1337.288+/-293.827 χ^2/NDF:33.0/13

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 118.475+/-294.732 χ^2/NDF:11.2/12

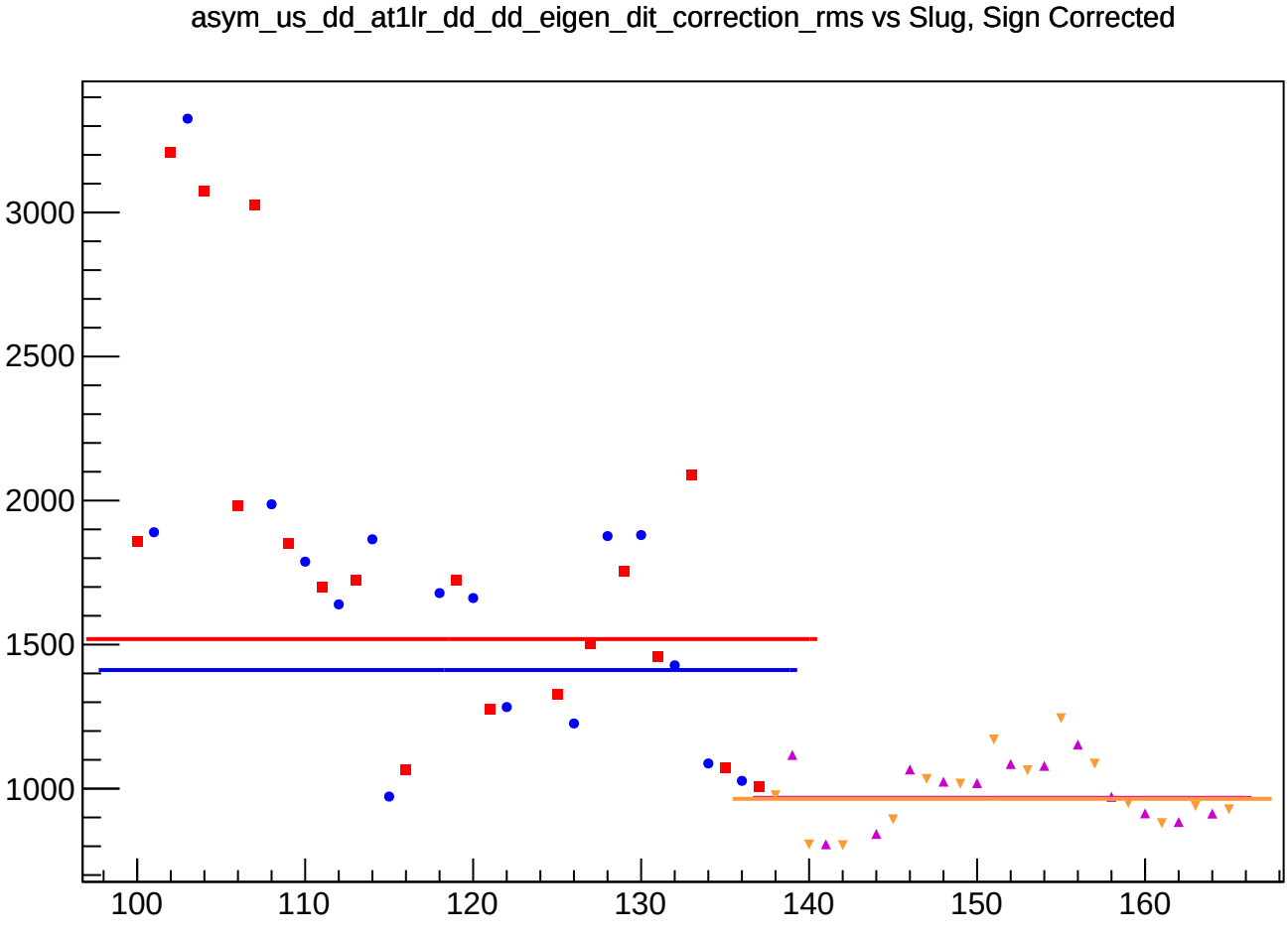
Left: -611.644+/-208.086 χ^2/NDF: 56.4/26

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -110.646+/-259.871 χ^2/NDF:34.9/28

Out: -870.832+/-263.157 χ^2/NDF:60.7/31

All: -485.963+/-184.907 χ^2/NDF: 99.8/60


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
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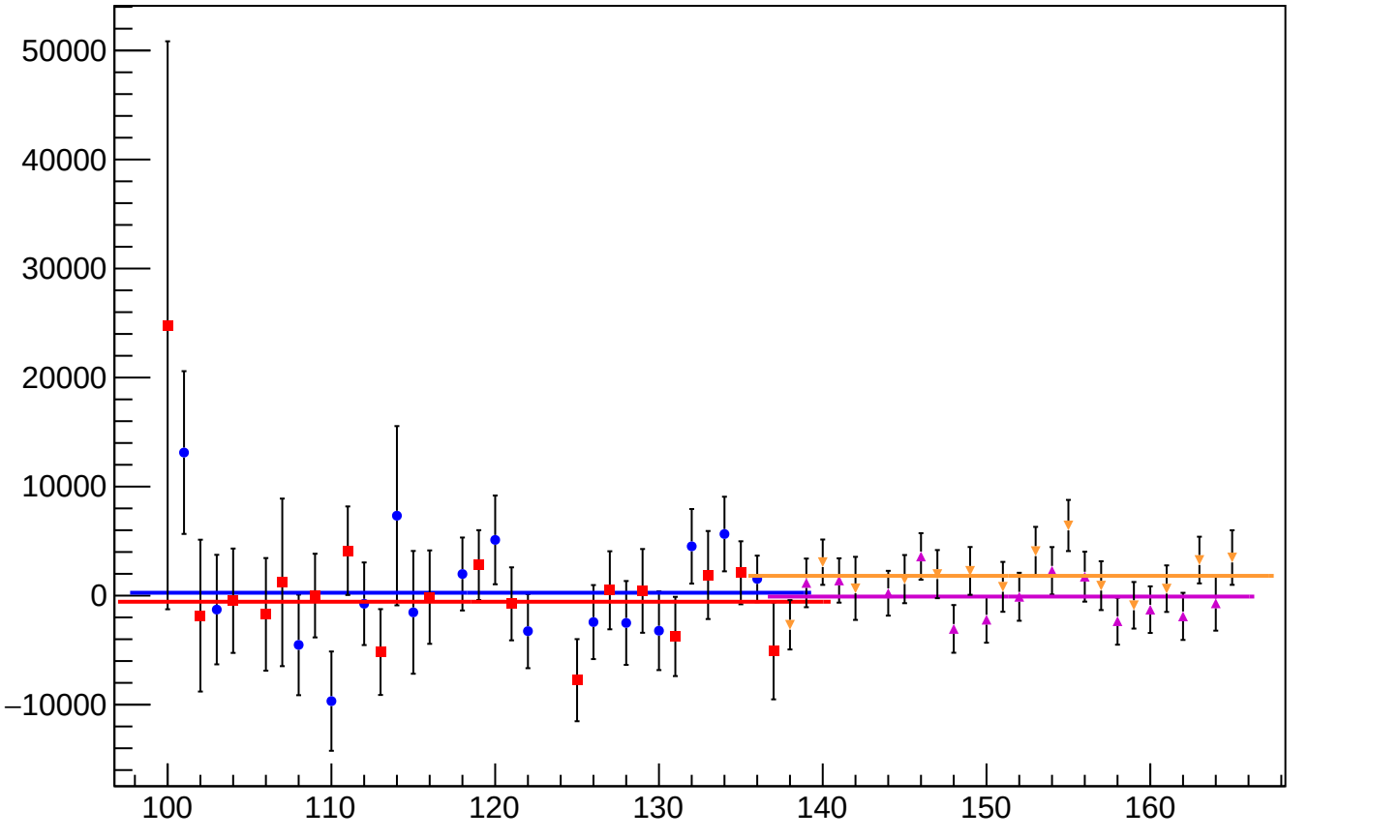
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 964.614+/-0.208 χ²/NDF:310157.1/13
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 968.122+/-0.208 χ²/NDF:269581.3/12
Left: 966.363+/-0.147 χ²/NDF: 579880.5/26
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1066.860+/-0.184 χ²/NDF:2455825.1/28
Out: 1074.369+/-0.186 χ²/NDF:3080630.4/31
All: 1070.567+/-0.131 χ²/NDF: 5537279.9/60



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1812.472+/-602.650 χ^2/NDF:12.6/13

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -86.116+/-603.452 χ^2/NDF:10.7/12

Left: 864.440+/-426.421 χ^2/NDF: 28.2/26

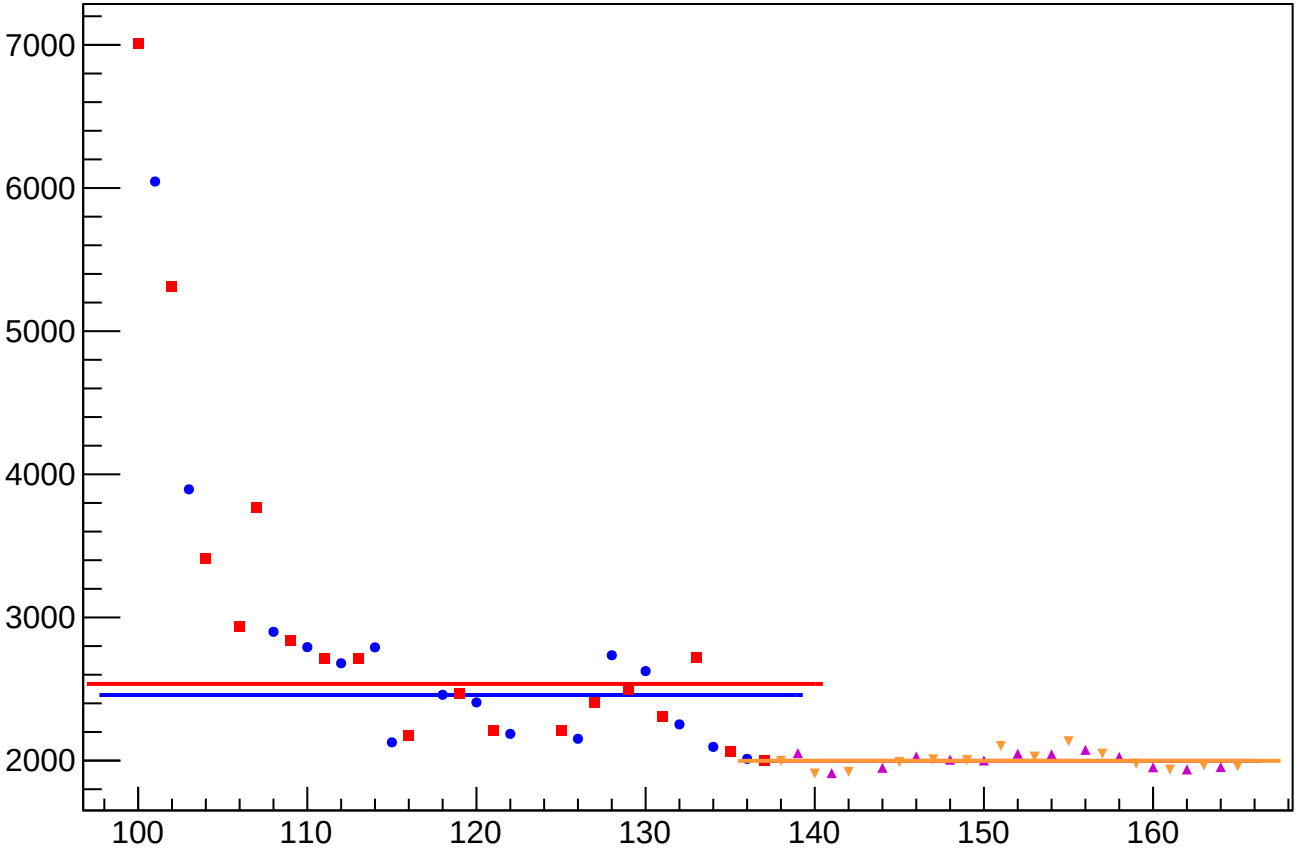
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 15.872+/-508.127 χ^2/NDF:29.8/28

Out: 1144.485+/-510.853 χ^2/NDF:28.7/31

All: 577.159+/-360.260 χ^2/NDF: 60.9/60

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: 1998.615+/-0.426 χ^2/NDF:20161.4/13

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.921+/-0.427 χ^2/NDF:13777.4/12

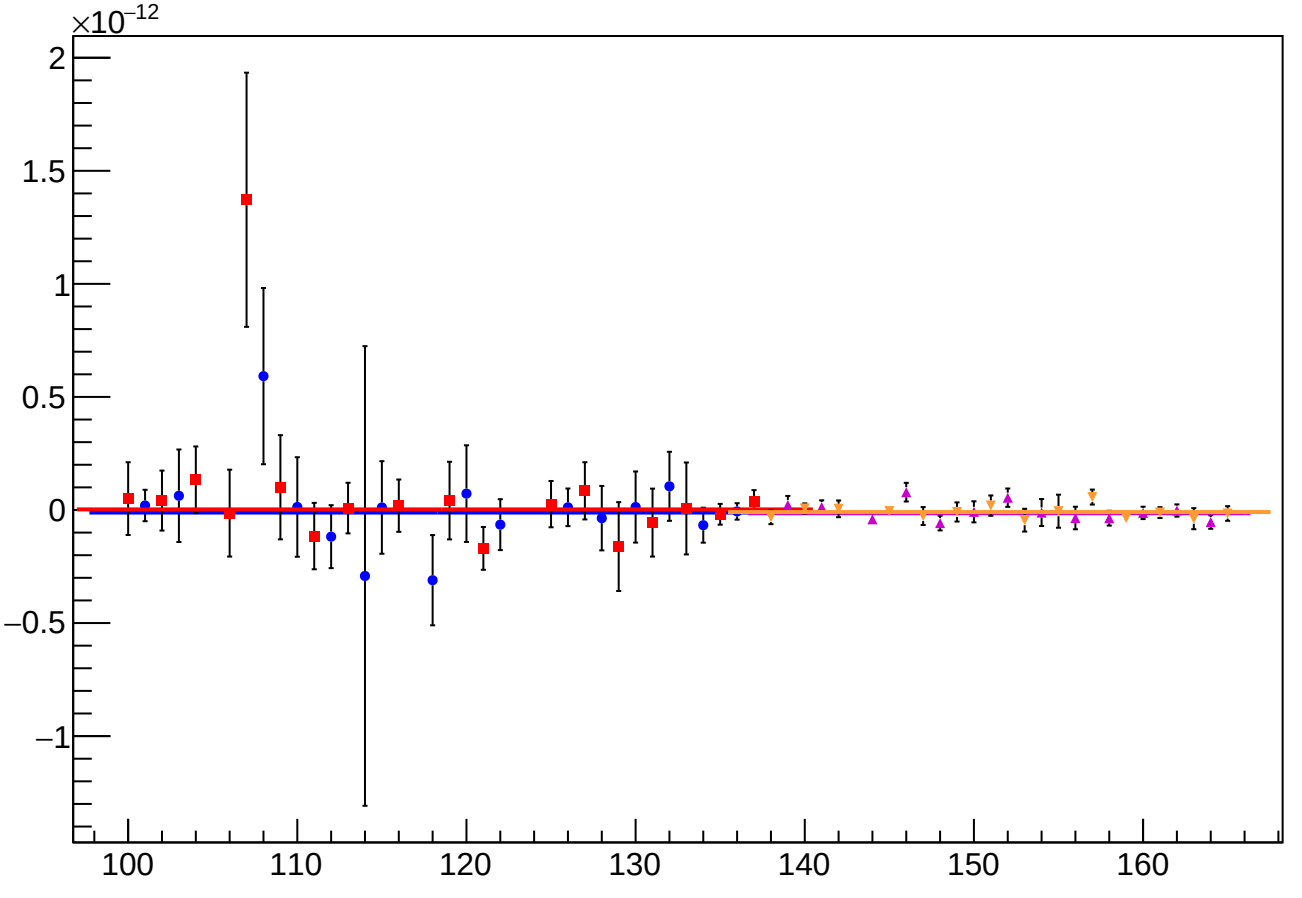
Left: 1998.269+/-0.302 χ^2/NDF: 33940.1/26

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2131.891+/-0.359 χ^2/NDF:1185429.4/28

Out: 2149.798+/-0.361 χ^2/NDF:1140707.8/31

All: 2140.797+/-0.255 χ^2/NDF: 2327372.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

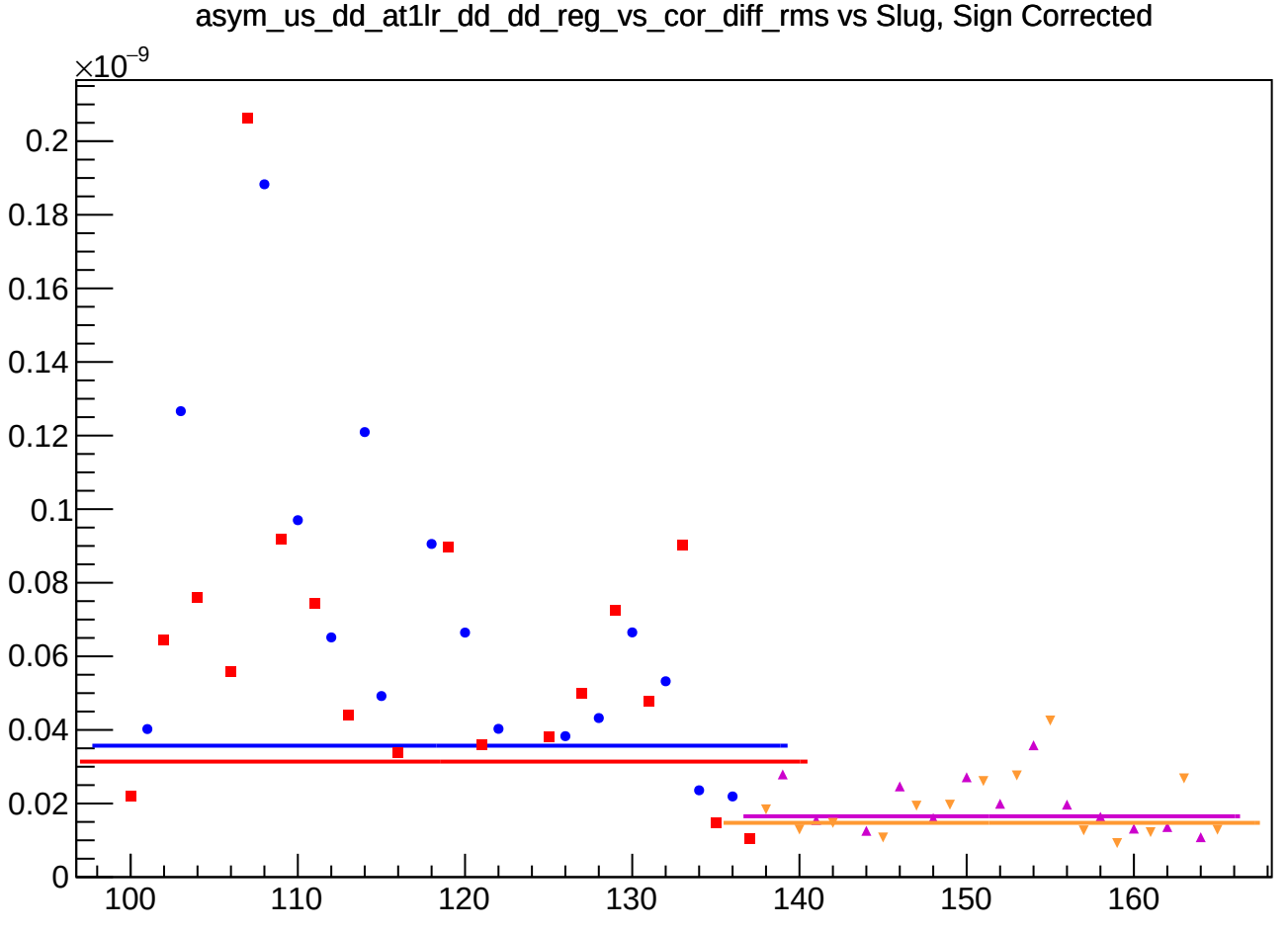
Left: -0.000+/-0.000 χ^2/NDF: 24.0/26

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

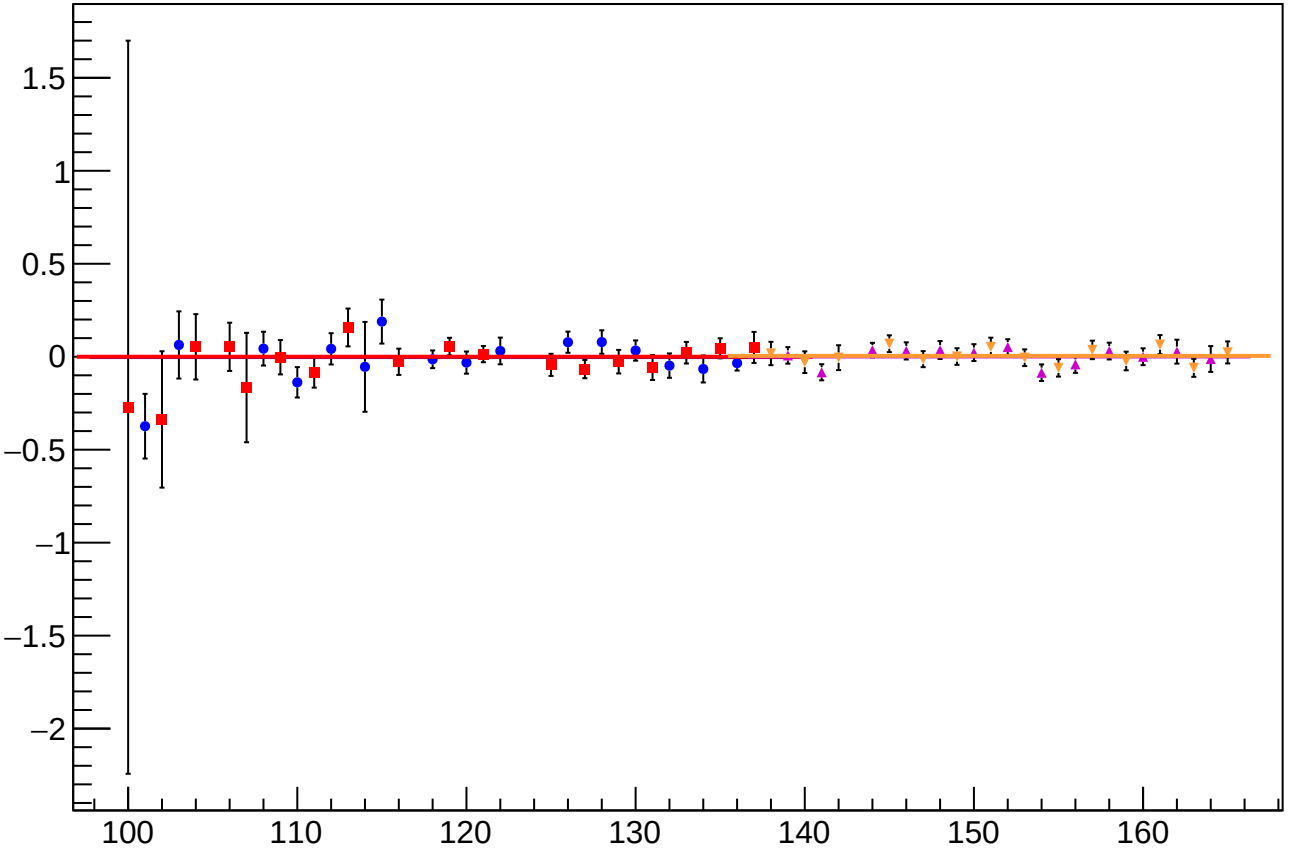
In: -0.000+/-0.000 χ^2/NDF:22.9/28

Out: -0.000+/-0.000 χ^2/NDF:21.6/31

All: -0.000+/-0.000 χ^2/NDF: 44.8/60


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
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1000993.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:773125.8/12
Left: 0.000+/-0.000 χ²/NDF: 1815668.2/26
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3467353.3/28
Out: 0.000+/-0.000 χ²/NDF:3902432.9/31
All: 0.000+/-0.000 χ²/NDF: 7449765.6/60

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: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.003+/-0.009 χ^2/NDF: 22.1/26

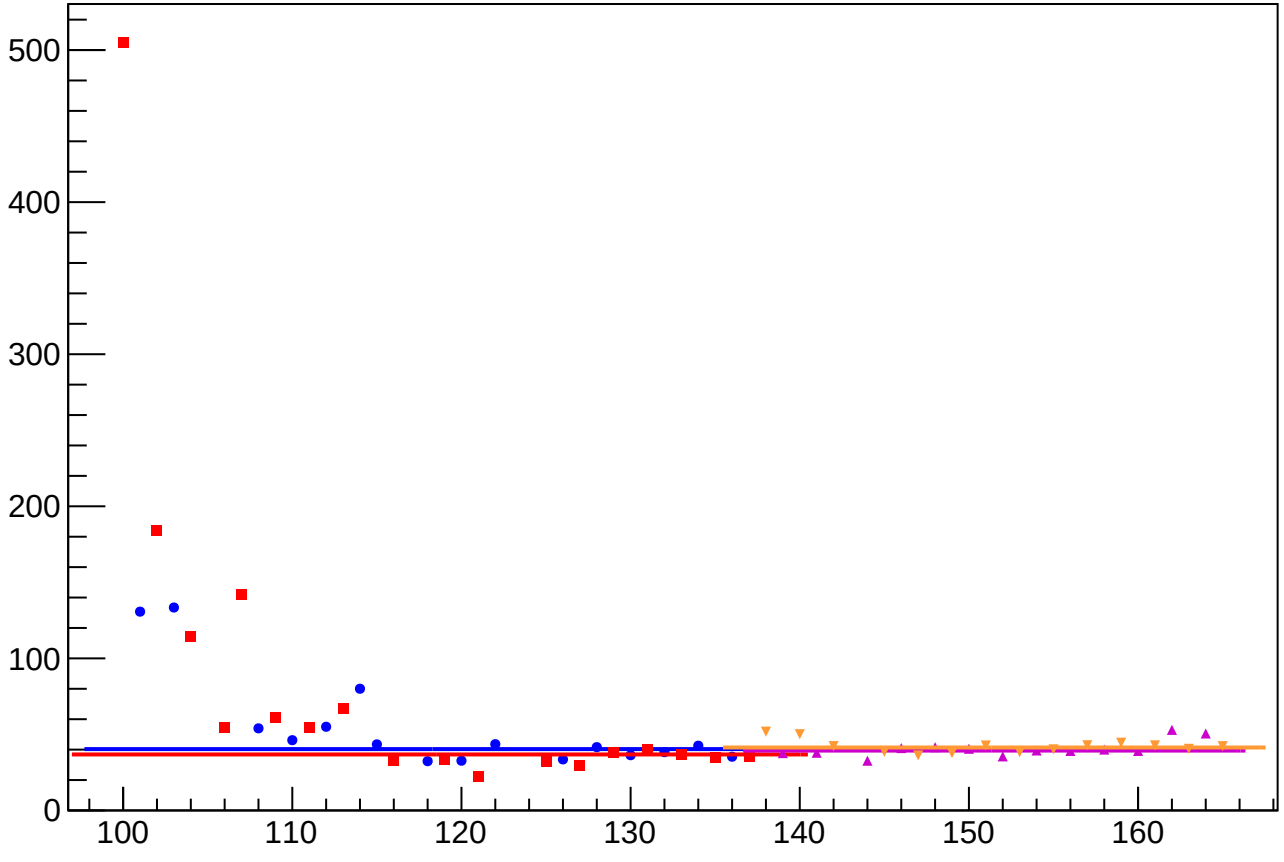
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

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: 41.396+/-0.009 χ^2/NDF:175726.4/13

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

Left: 40.340+/-0.007 χ^2/NDF: 430706.6/26

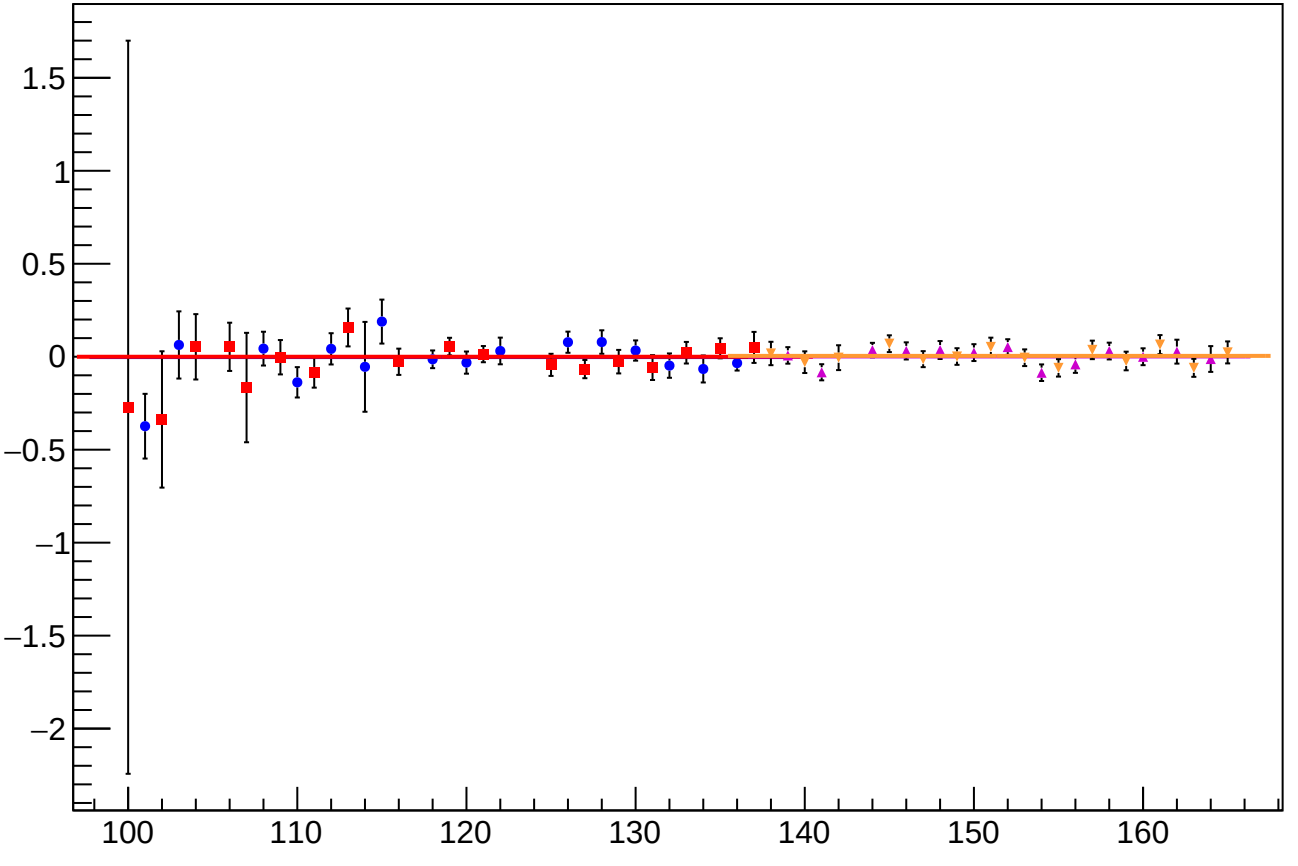
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.726+/-0.007 χ^2/NDF:1645573.5/28

Out: 39.598+/-0.007 χ^2/NDF:2104148.5/31

All: 39.663+/-0.005 χ^2/NDF: 3749873.2/60

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: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.003+/-0.009 χ^2/NDF: 22.1/26

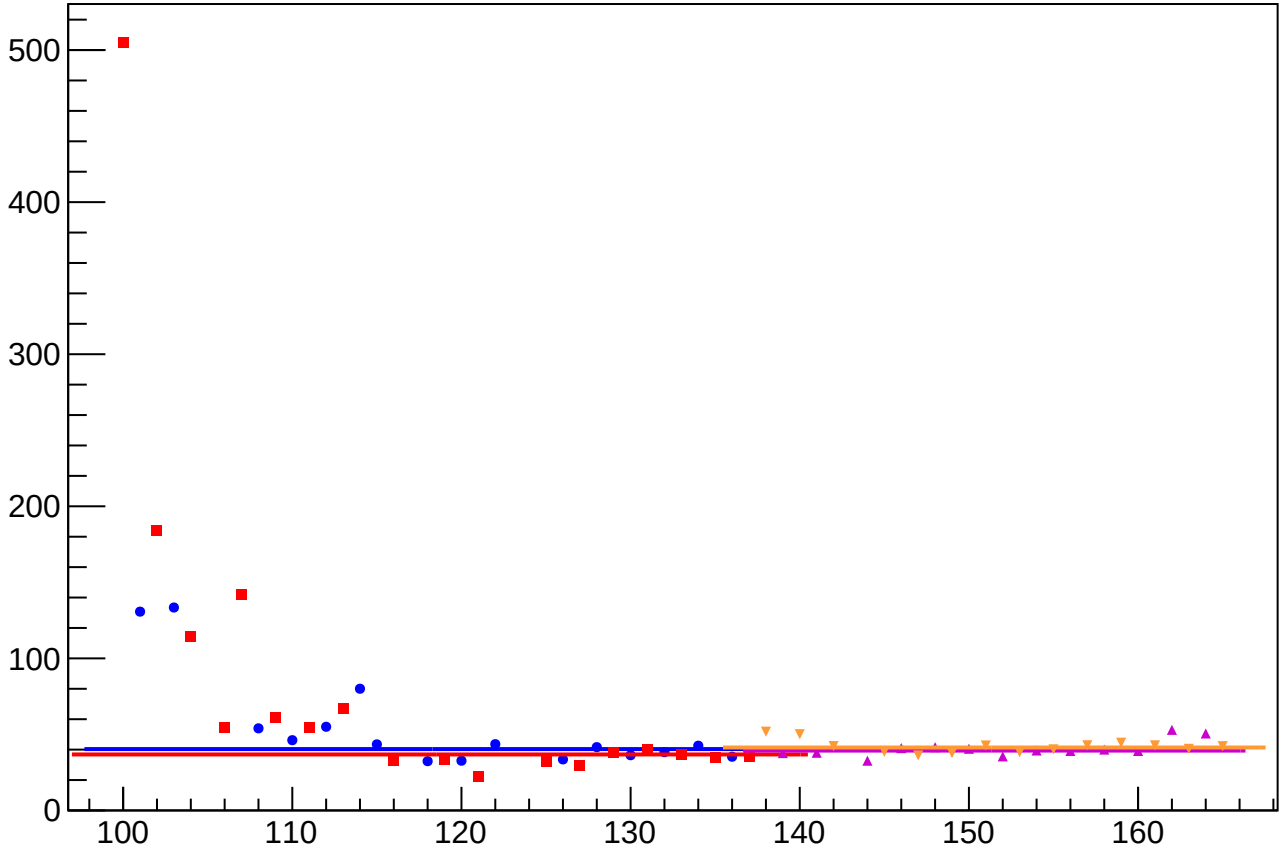
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

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: 41.396+/-0.009 χ^2/NDF:175726.4/13

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

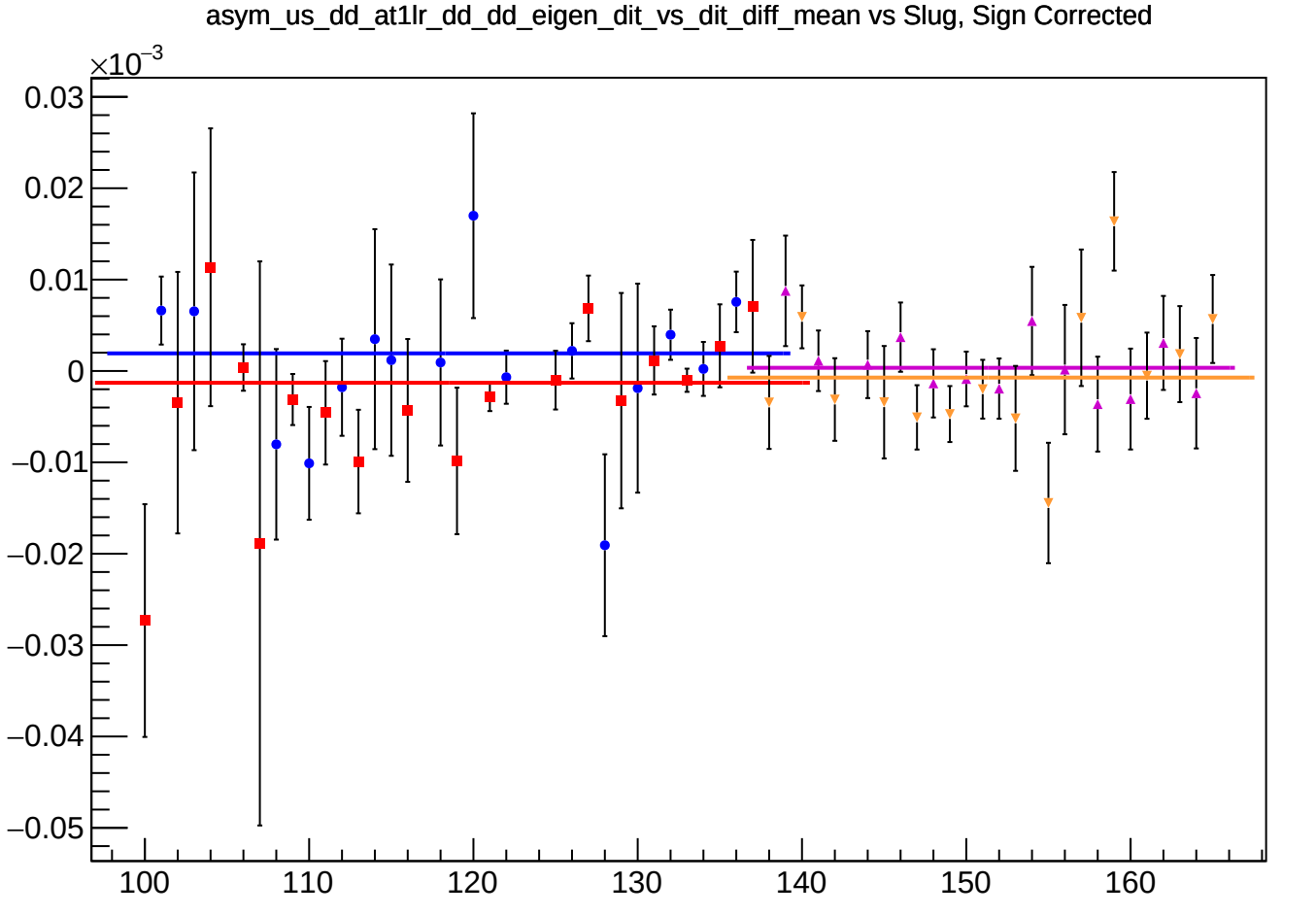
Left: 40.340+/-0.007 χ^2/NDF: 430706.6/26

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

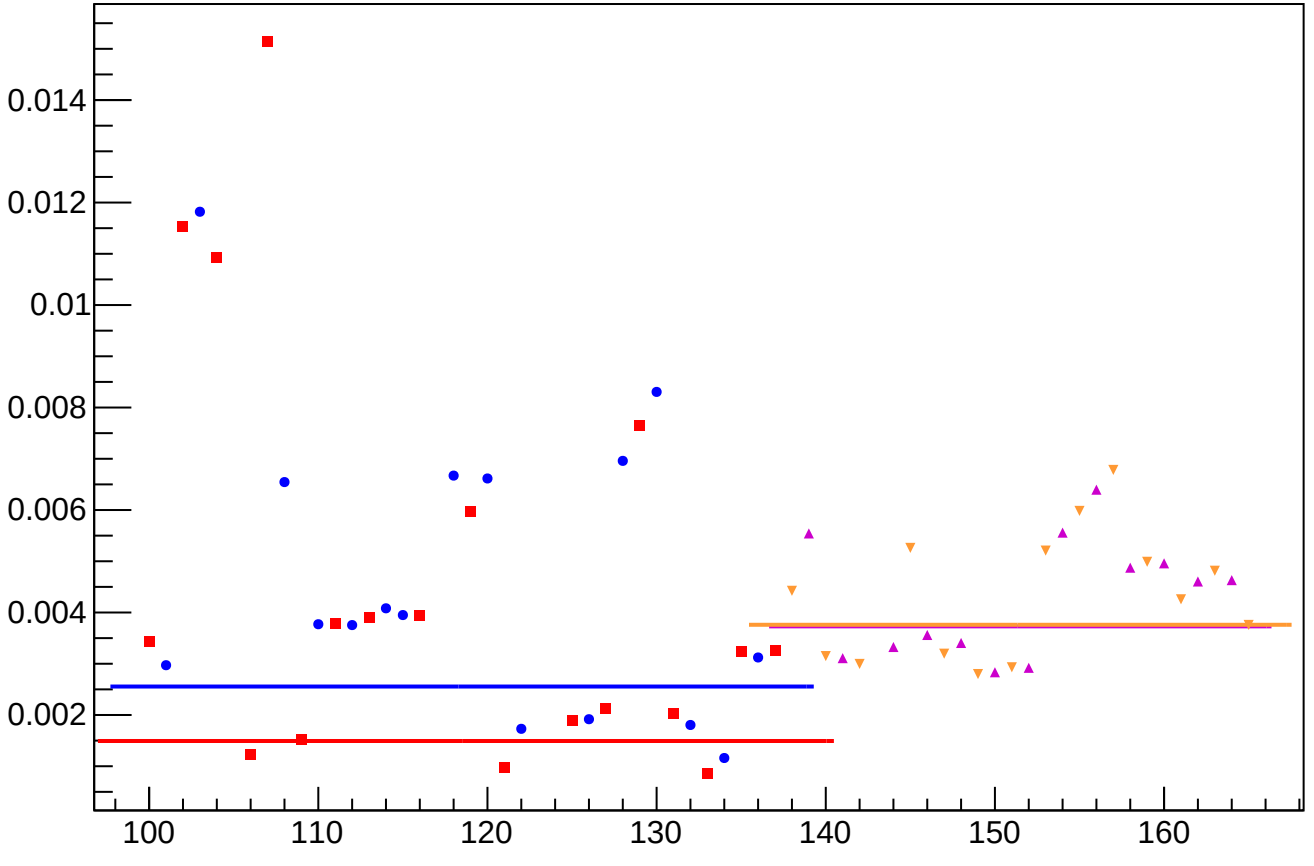
In: 39.726+/-0.007 χ^2/NDF:1645573.5/28

Out: 39.598+/-0.007 χ^2/NDF:2104148.5/31

All: 39.663+/-0.005 χ^2/NDF: 3749873.2/60


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
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:25.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:5.8/12
Left: -0.000+/-0.000 χ²/NDF: 31.9/26
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:24.6/28
Out: -0.000+/-0.000 χ²/NDF:44.7/31
All: -0.000+/-0.000 χ²/NDF: 74.2/60

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:1542859.7/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1365825.9/12

Left: 0.004+/-0.000 χ^2/NDF: 2909375.9/26

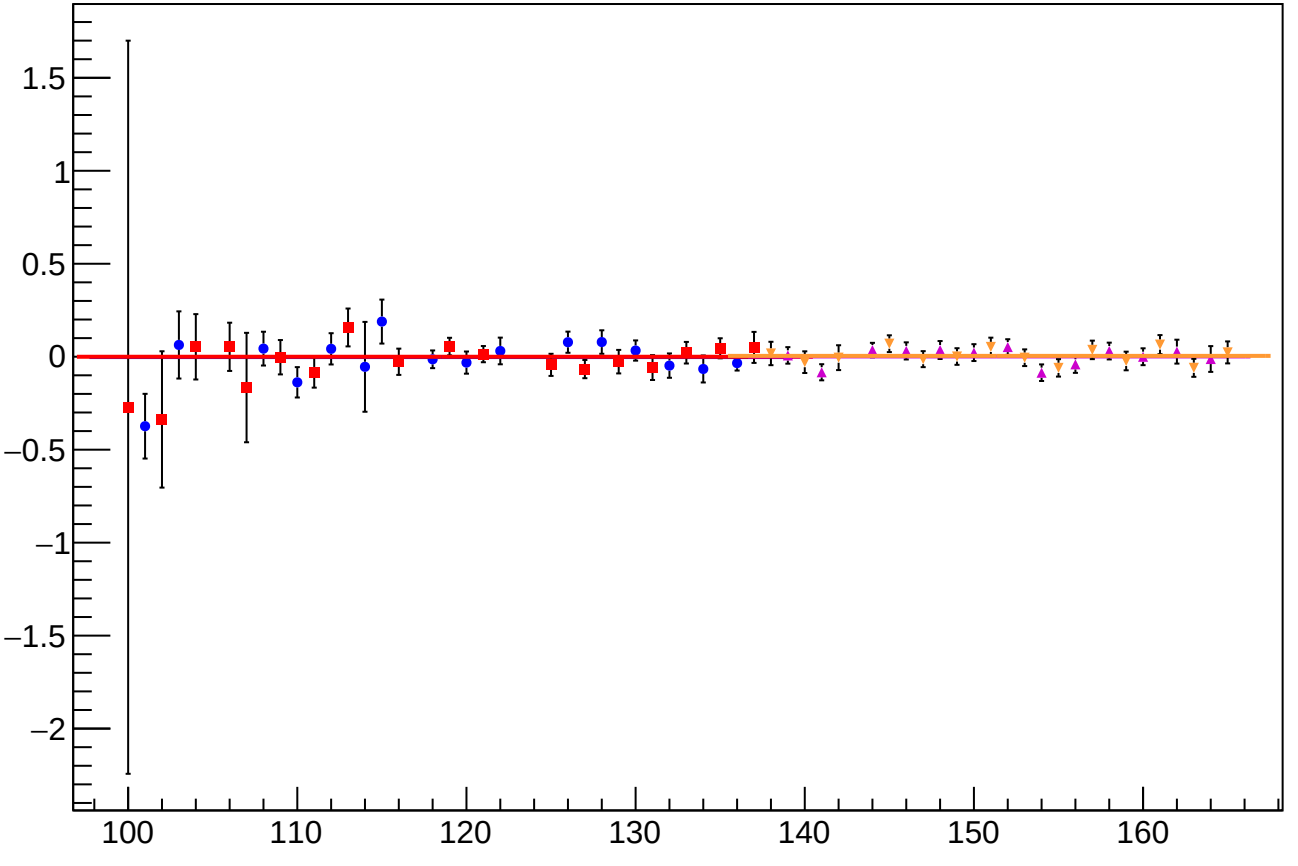
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6172922.8/28

Out: 0.002+/-0.000 χ^2/NDF:12328924.0/31

All: 0.003+/-0.000 χ^2/NDF: 20292070.7/60

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: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.003+/-0.009 χ^2/NDF: 22.1/26

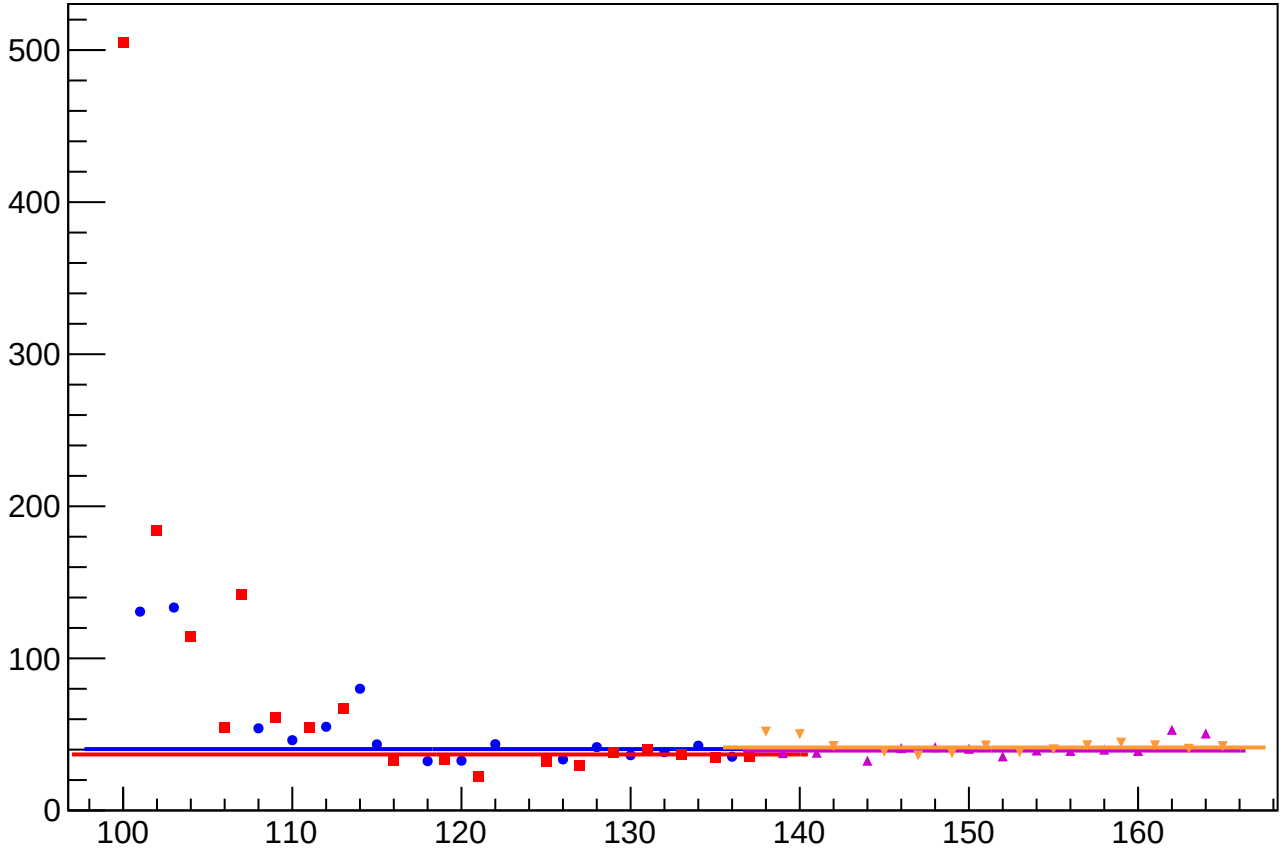
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

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: 41.396+/-0.009 χ^2/NDF:175728.5/13

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

Left: 40.340+/-0.007 χ^2/NDF: 430678.6/26

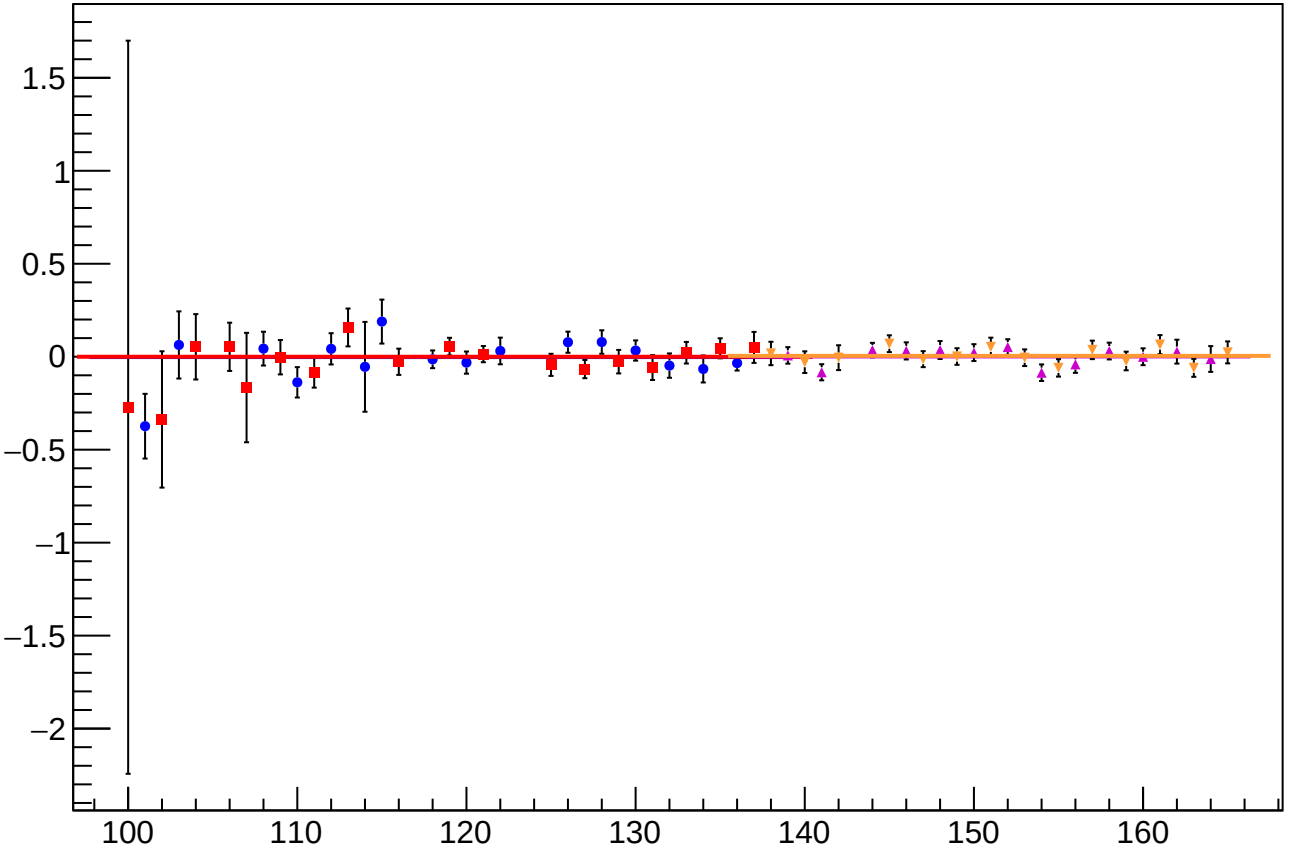
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.726+/-0.007 χ^2/NDF:1645447.3/28

Out: 39.598+/-0.007 χ^2/NDF:2104180.4/31

All: 39.663+/-0.005 χ^2/NDF: 3749780.2/60

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: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.003+/-0.009 χ^2/NDF: 22.1/26

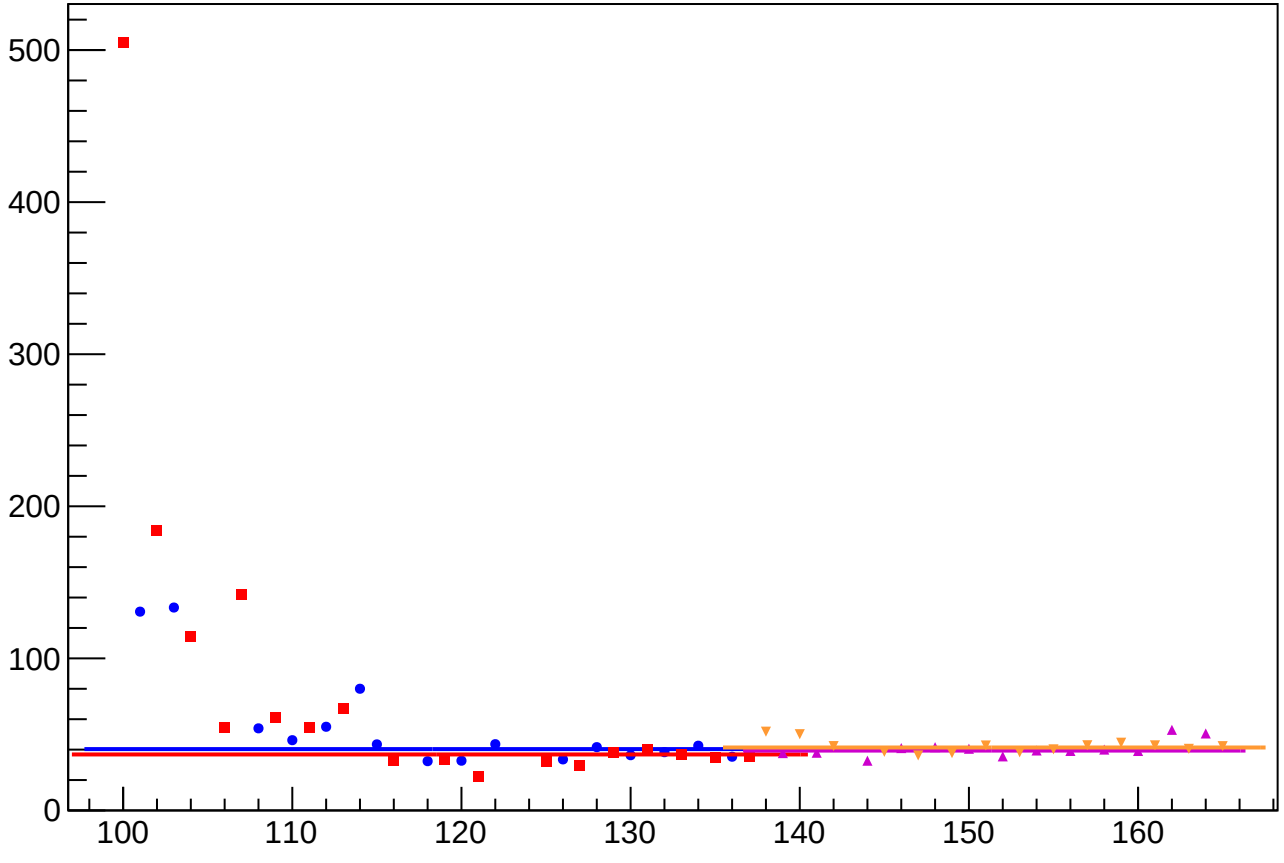
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

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: 41.396+/-0.009 χ^2/NDF:175728.5/13

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

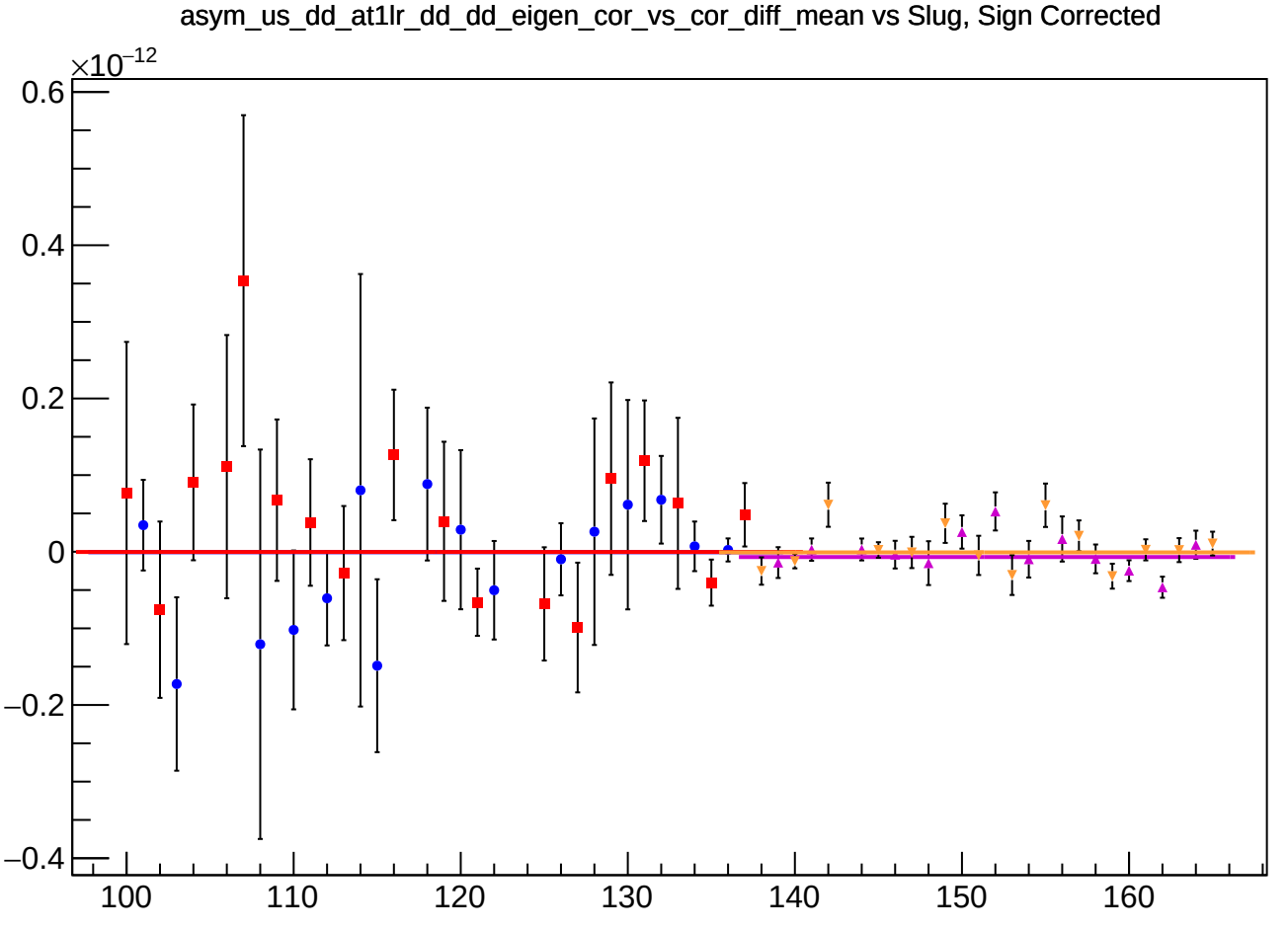
Left: 40.340+/-0.007 χ^2/NDF: 430678.6/26

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.726+/-0.007 χ^2/NDF:1645447.3/28

Out: 39.598+/-0.007 χ^2/NDF:2104180.4/31

All: 39.663+/-0.005 χ^2/NDF: 3749780.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:20.5/12

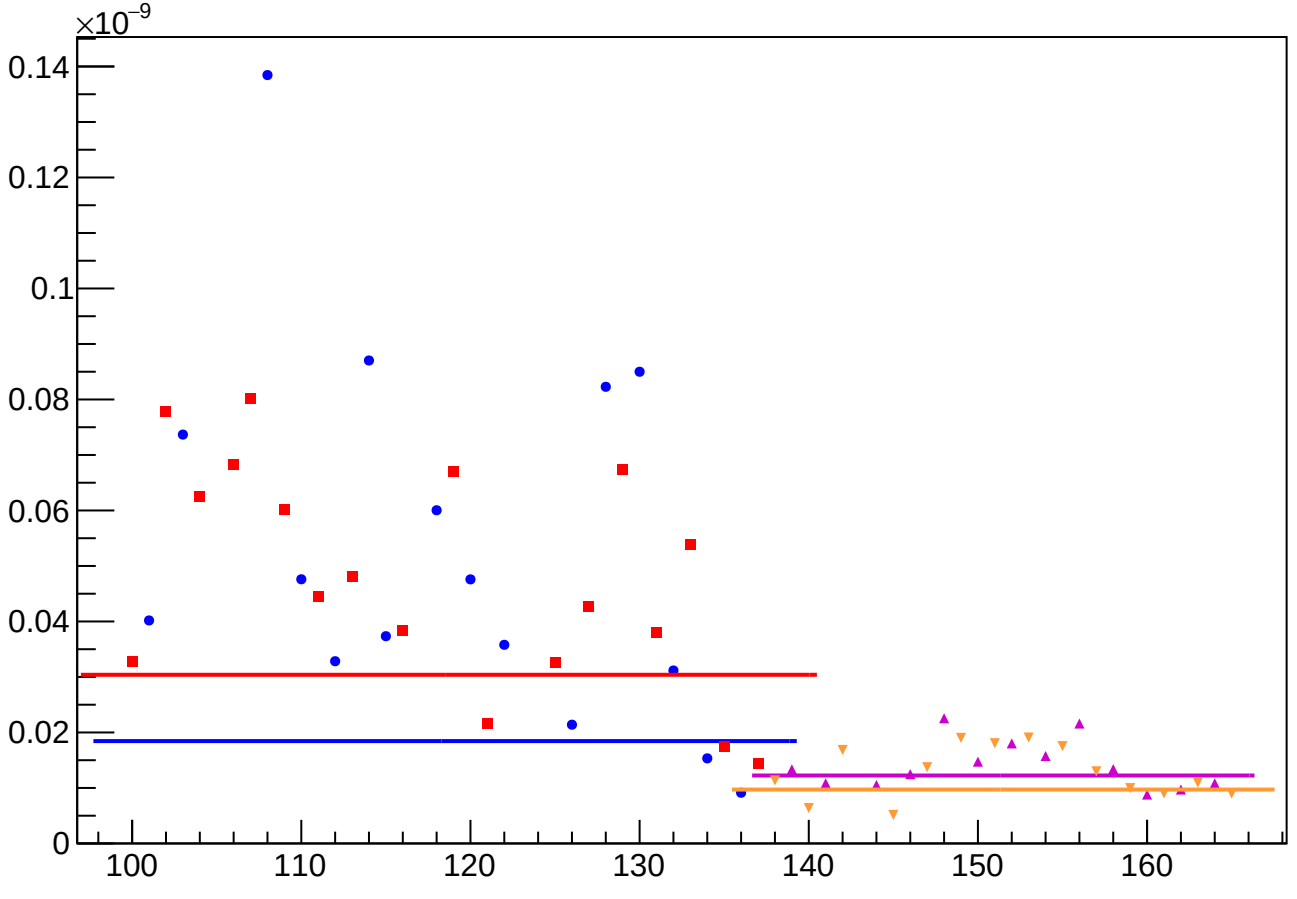
Left: -0.000+/-0.000 χ^2/NDF: 43.1/26

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:30.6/28

Out: -0.000+/-0.000 χ^2/NDF:40.1/31

All: -0.000+/-0.000 χ^2/NDF: 71.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1838341.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:907664.1/12

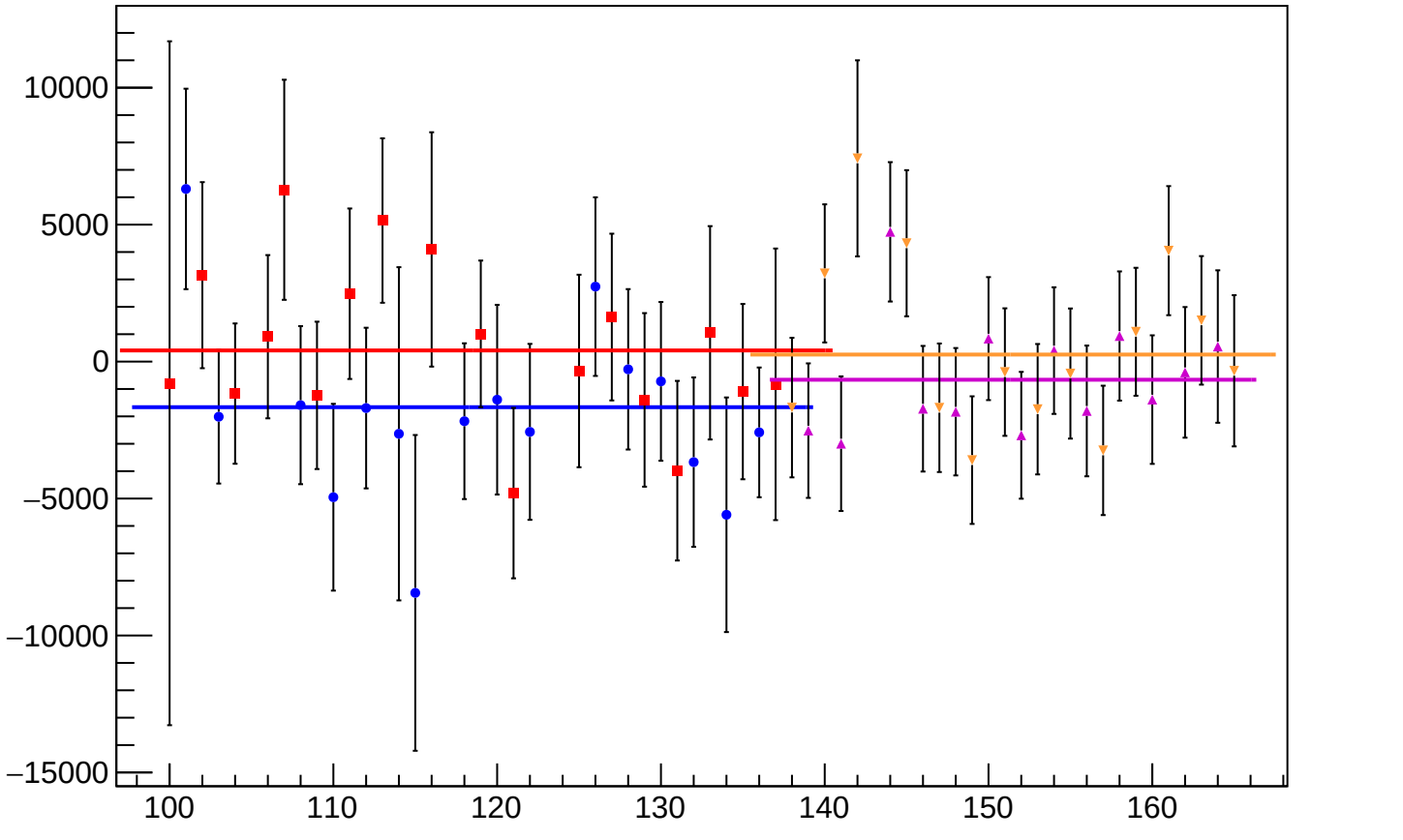
Left: 0.000+/-0.000 χ^2/NDF: 3037317.5/26

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:5414265.6/28

Out: 0.000+/-0.000 χ^2/NDF:7177942.7/31

All: 0.000+/-0.000 χ^2/NDF: 12837079.6/60



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.674+/-660.840 χ^2/NDF:17.8/13

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -662.452+/-662.979 χ^2/NDF:8.9/12

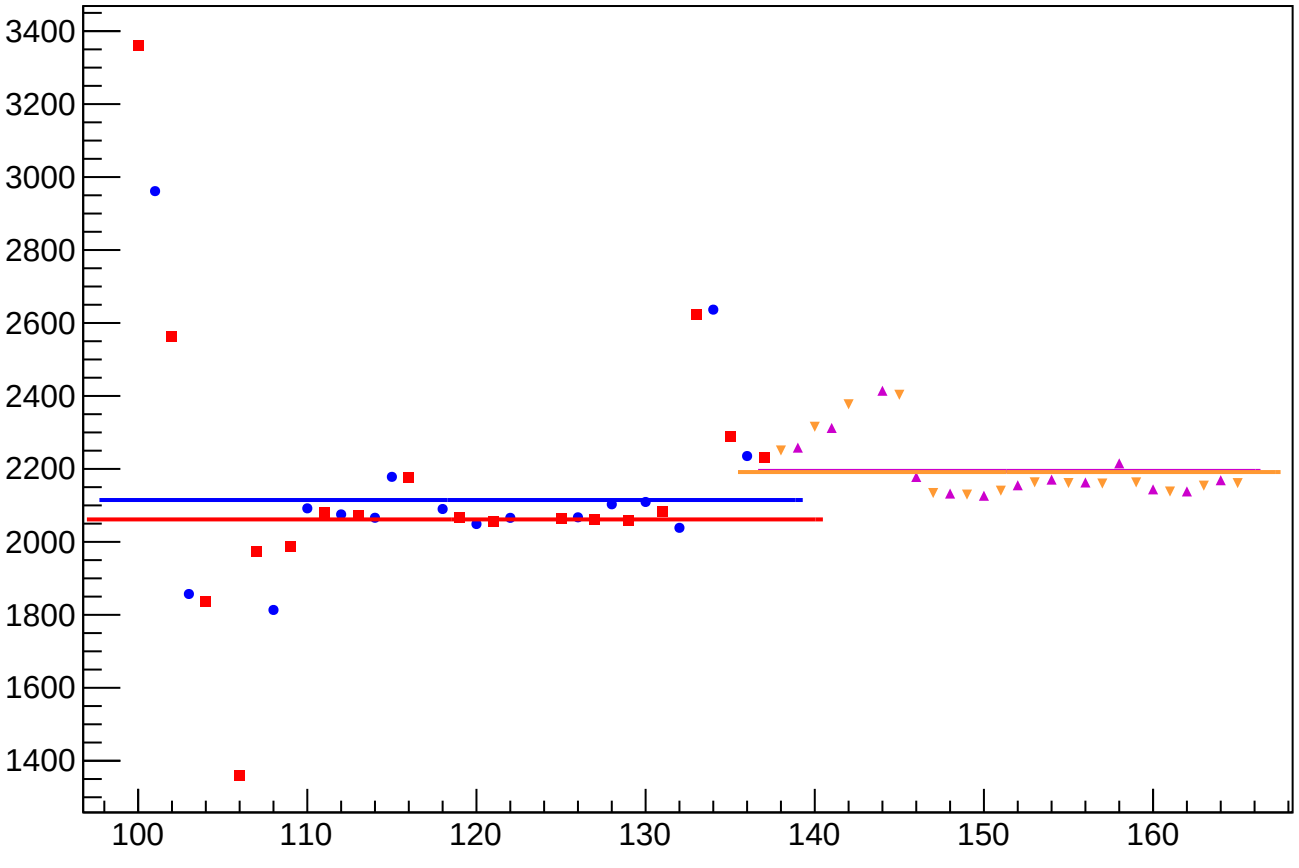
Left: -201.404+/-468.039 χ^2/NDF: 27.6/26

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1075.131+/-508.416 χ^2/NDF:20.6/28

Out: 319.692+/-503.438 χ^2/NDF:30.6/31

All: -370.858+/-357.731 χ^2/NDF: 55.0/60



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

Left: 2192.963+/-0.331 χ^2/NDF: 58277.9/26

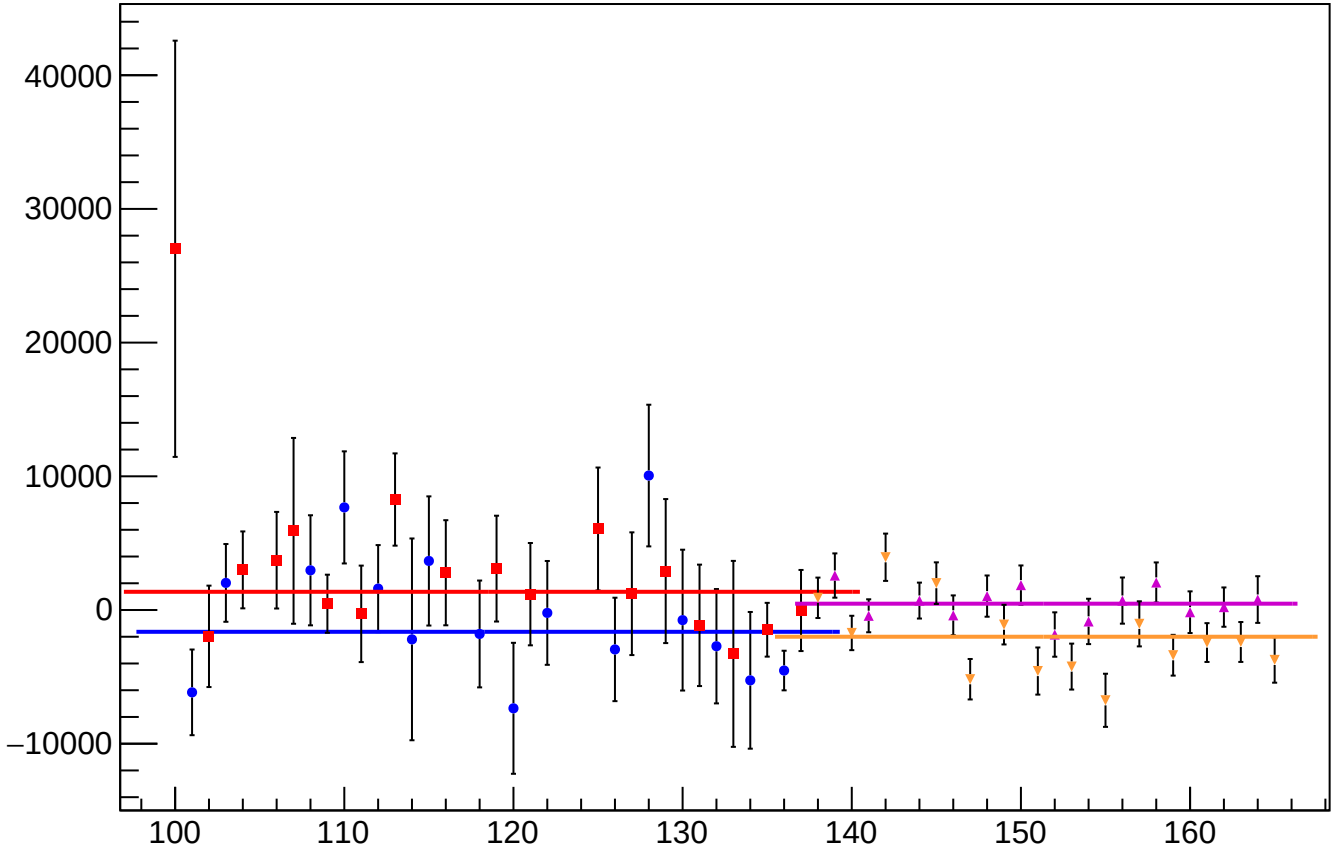
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2161.663+/-0.360 χ^2/NDF:229578.2/28

Out: 2136.924+/-0.356 χ^2/NDF:312117.4/31

All: 2149.172+/-0.253 χ^2/NDF: 544086.5/60

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: -1999.471+/-421.377 χ^2/NDF:38.3/13

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 472.463+/-422.471 χ^2/NDF:7.5/12

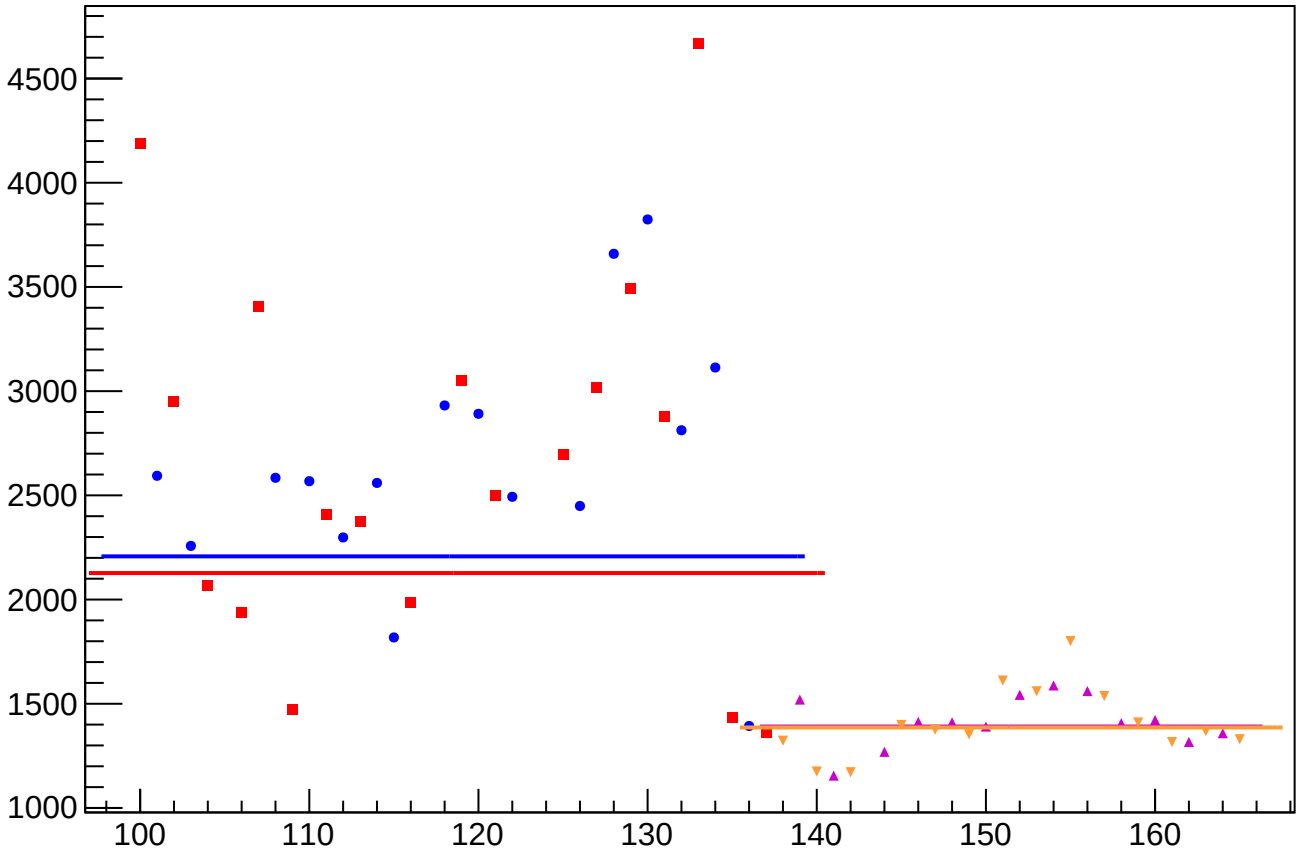
Left: -766.707+/-298.345 χ^2/NDF: 63.0/26

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 65.483+/-379.394 χ^2/NDF:35.1/28

Out: -1324.216+/-376.682 χ^2/NDF:64.6/31

All: -634.353+/-267.308 χ^2/NDF: 106.5/60



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1386.234+/-0.298 χ^2/NDF:252031.7/13

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1390.717+/-0.299 χ^2/NDF:172244.9/12

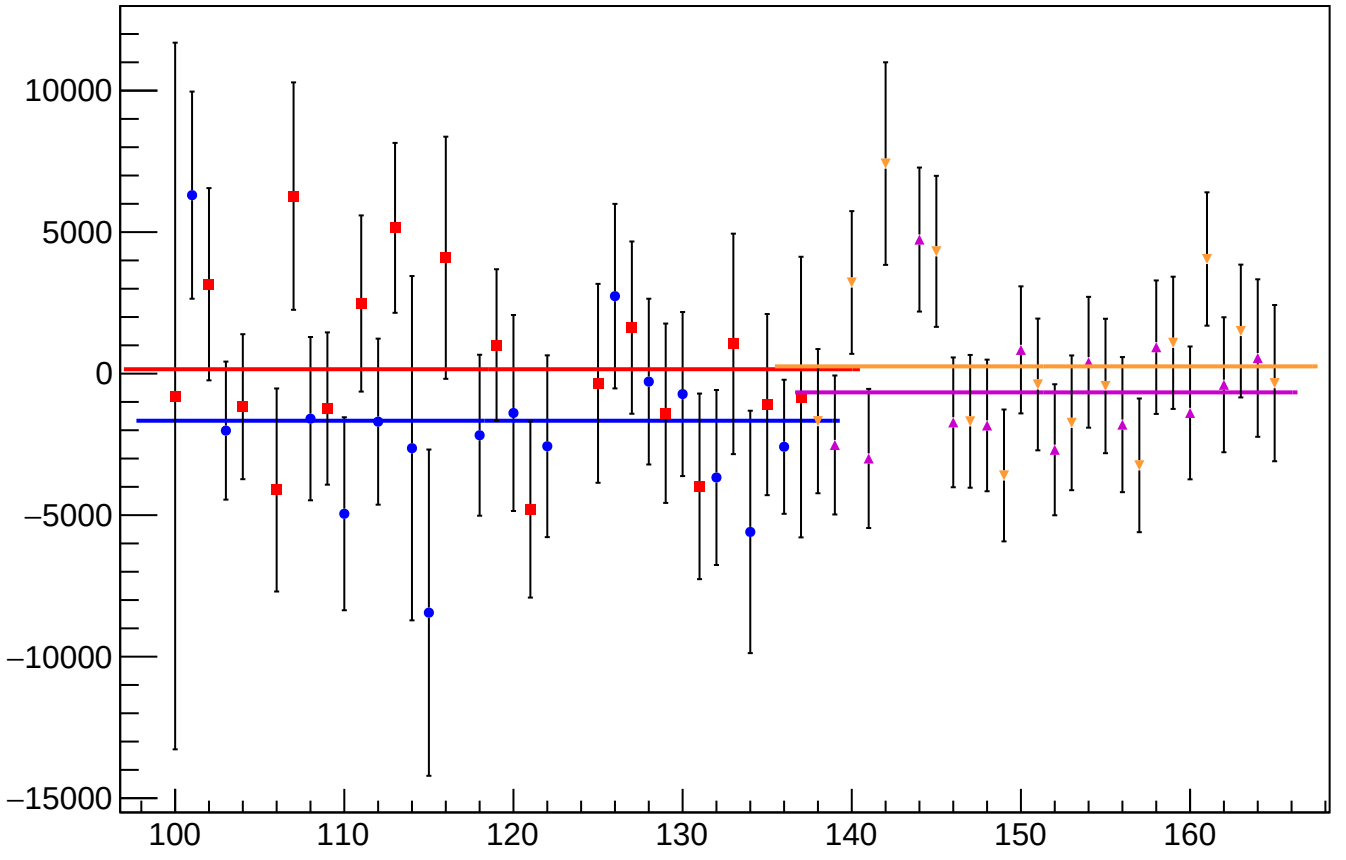
Left: 1388.470+/-0.211 χ^2/NDF: 424389.6/26

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1548.741+/-0.268 χ^2/NDF:2867401.2/28

Out: 1535.092+/-0.266 χ^2/NDF:2952506.0/31

All: 1541.868+/-0.189 χ^2/NDF: 5821210.8/60



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.914+/-660.840 χ^2/NDF:17.8/13

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -662.337+/-662.979 χ^2/NDF:8.9/12

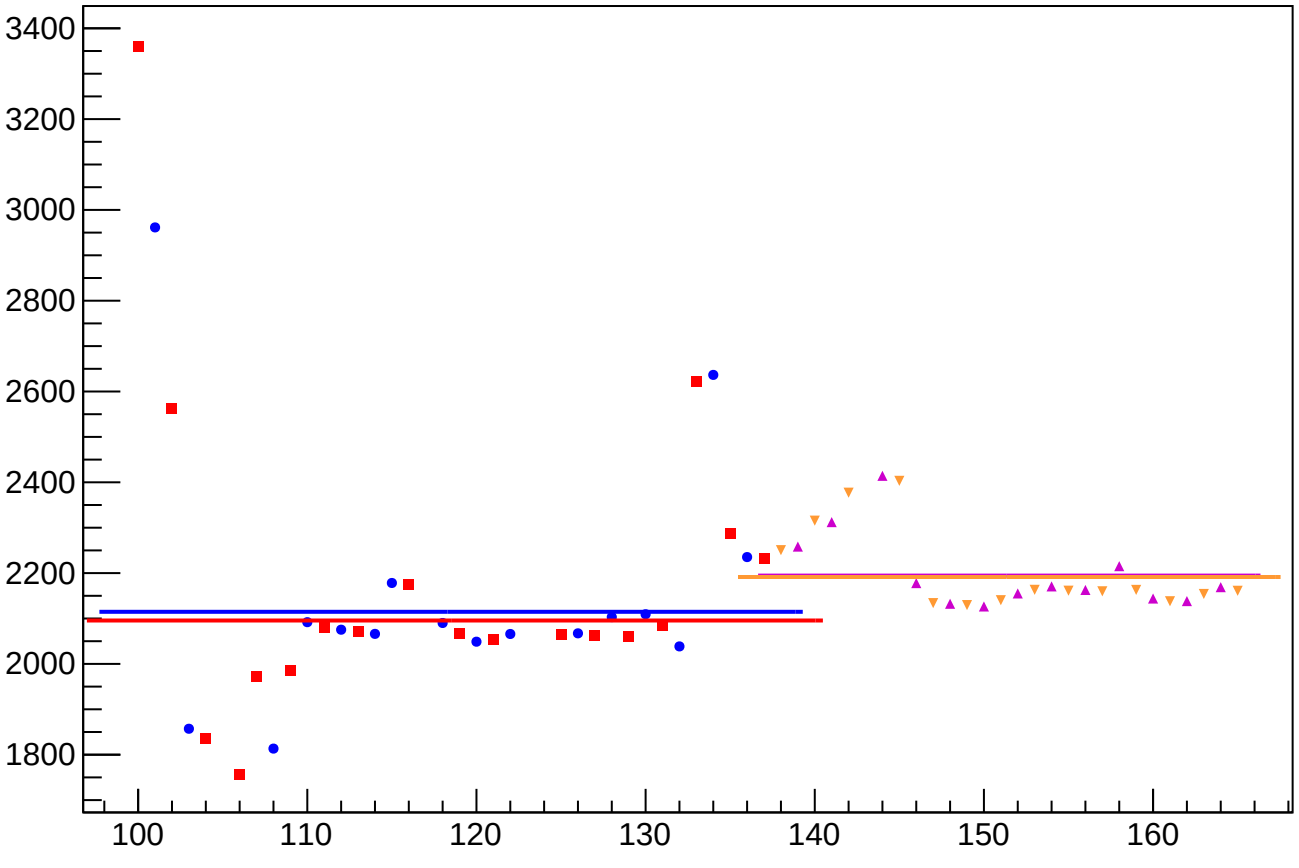
Left: -201.226+/-468.039 χ^2/NDF: 27.6/26

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

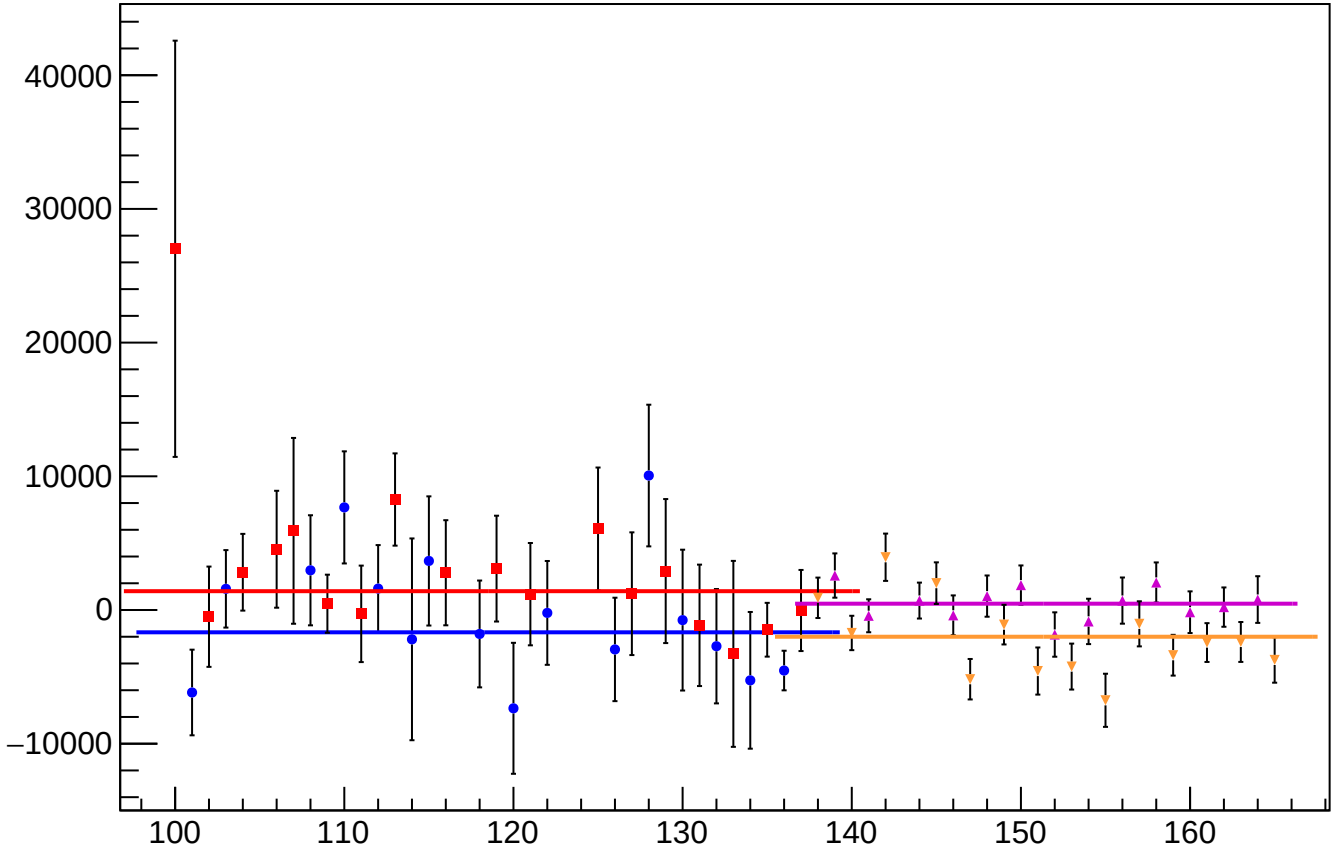
In: -1075.033+/-508.416 χ^2/NDF:20.6/28

Out: 214.996+/-505.680 χ^2/NDF:32.0/31

All: -426.538+/-358.533 χ^2/NDF: 55.8/60


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
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2191.417+/-0.467 χ²/NDF:30523.1/13
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2194.519+/-0.469 χ²/NDF:27732.8/12
Left: 2192.963+/-0.331 χ²/NDF: 58277.9/26
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2161.663+/-0.360 χ²/NDF:229578.6/28
Out: 2151.704+/-0.358 χ²/NDF:197311.2/31
All: 2156.656+/-0.254 χ²/NDF: 427275.5/60

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1999.395+/-421.380 χ^2/NDF:38.3/13

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 472.345+/-422.471 χ^2/NDF:7.5/12

Left: -766.721+/-298.346 χ^2/NDF: 63.0/26

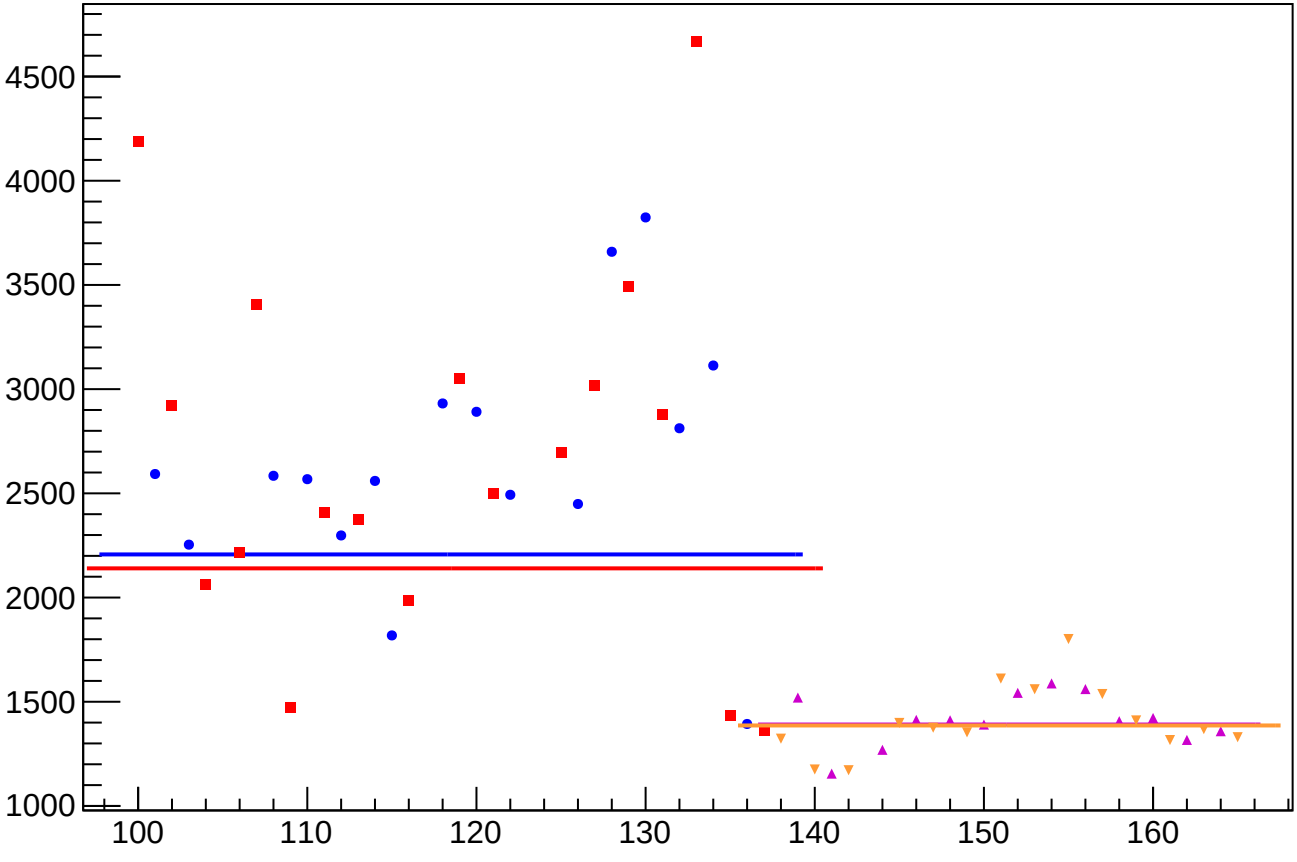
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 57.806+/-379.370 χ^2/NDF:34.9/28

Out: -1323.464+/-377.277 χ^2/NDF:64.3/31

All: -636.650+/-267.512 χ^2/NDF: 105.9/60

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1386.245+/-0.298 χ^2/NDF:251978.0/13

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

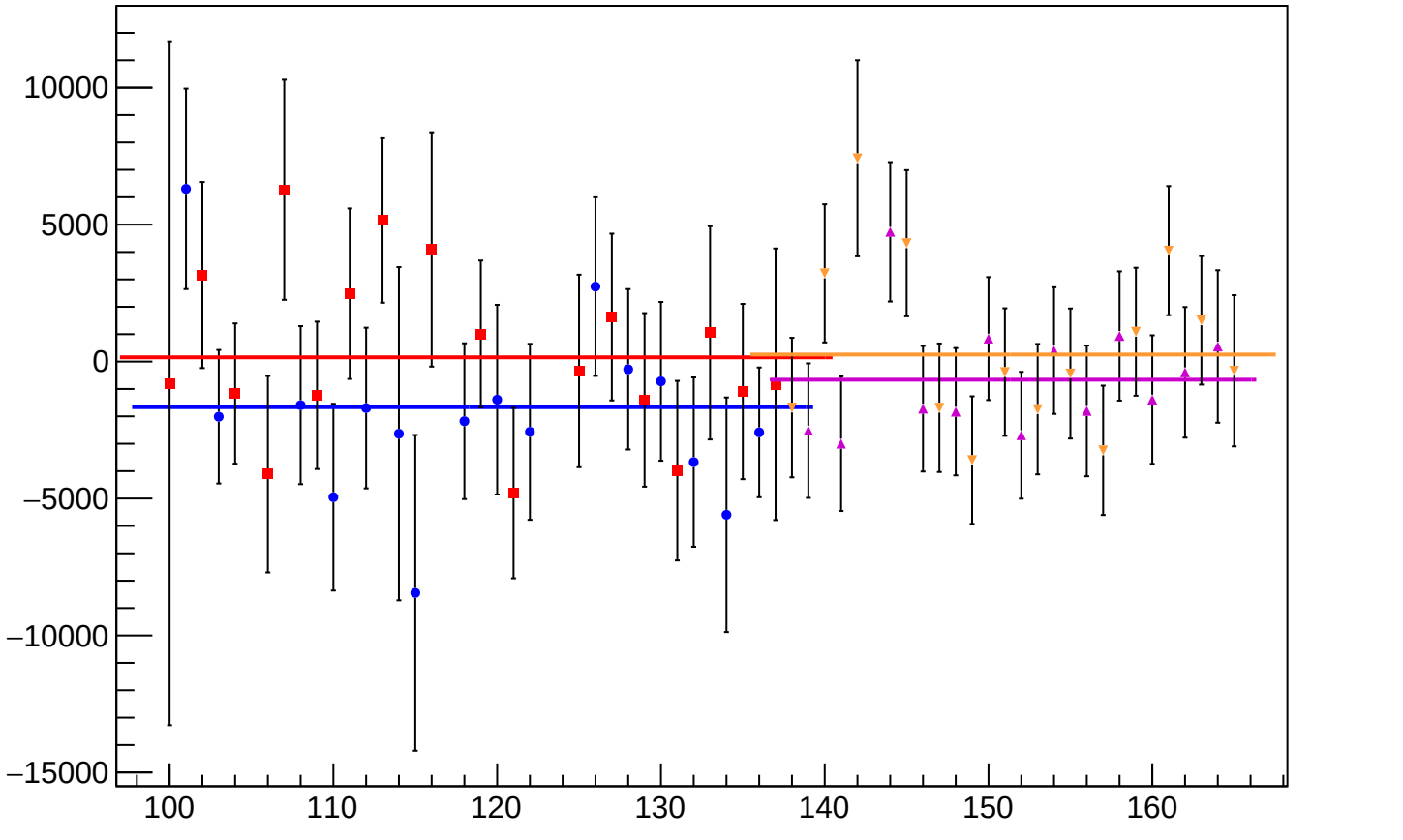
Left: 1388.475+/-0.211 χ^2/NDF: 424373.1/26

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1548.763+/-0.268 χ^2/NDF:2866792.2/28

Out: 1535.781+/-0.267 χ^2/NDF:2970027.1/31

All: 1542.236+/-0.189 χ^2/NDF: 5837996.6/60



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.914+/-660.840 χ^2/NDF:17.8/13

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -662.337+/-662.979 χ^2/NDF:8.9/12

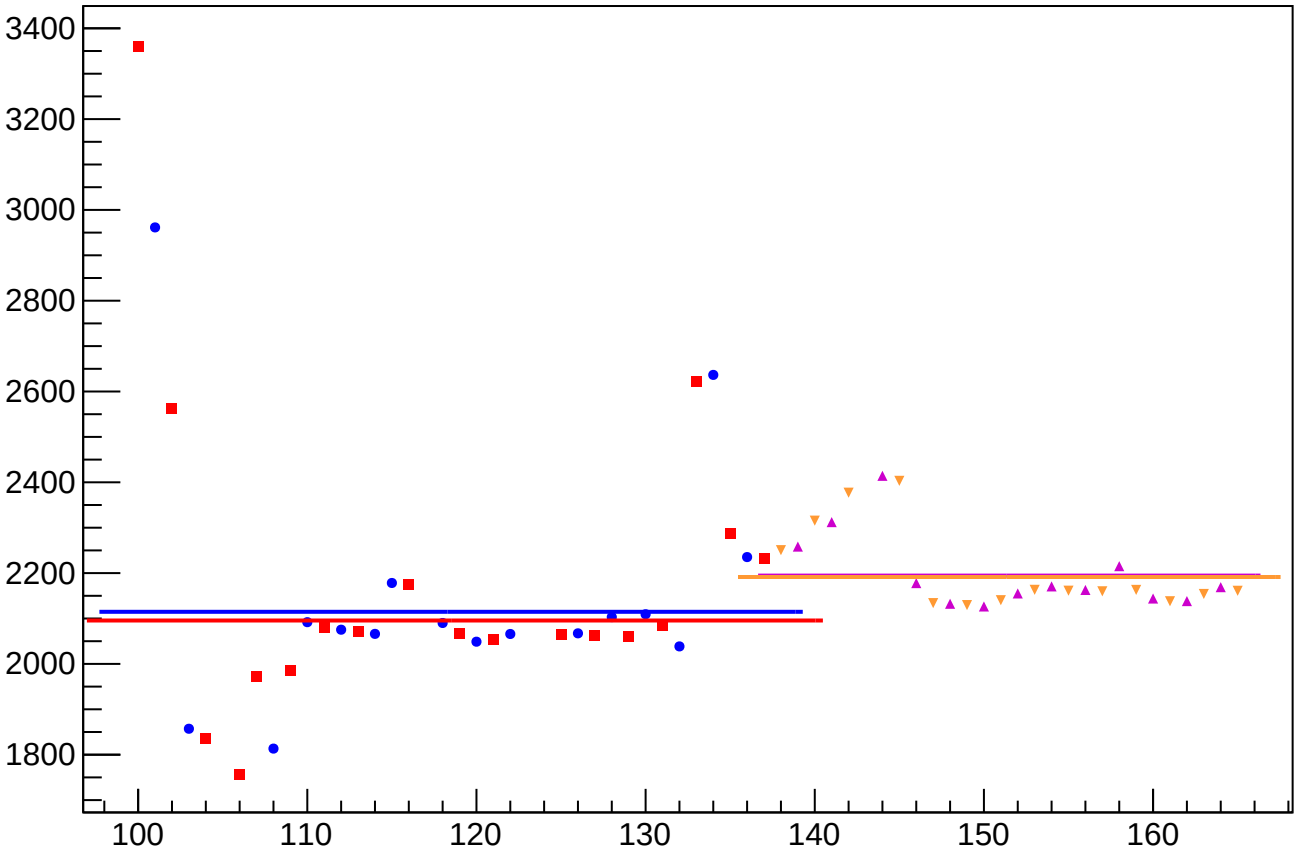
Left: -201.226+/-468.039 χ^2/NDF: 27.6/26

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1075.033+/-508.416 χ^2/NDF:20.6/28

Out: 214.996+/-505.680 χ^2/NDF:32.0/31

All: -426.538+/-358.533 χ^2/NDF: 55.8/60



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

Left: 2192.963+/-0.331 χ^2/NDF: 58277.9/26

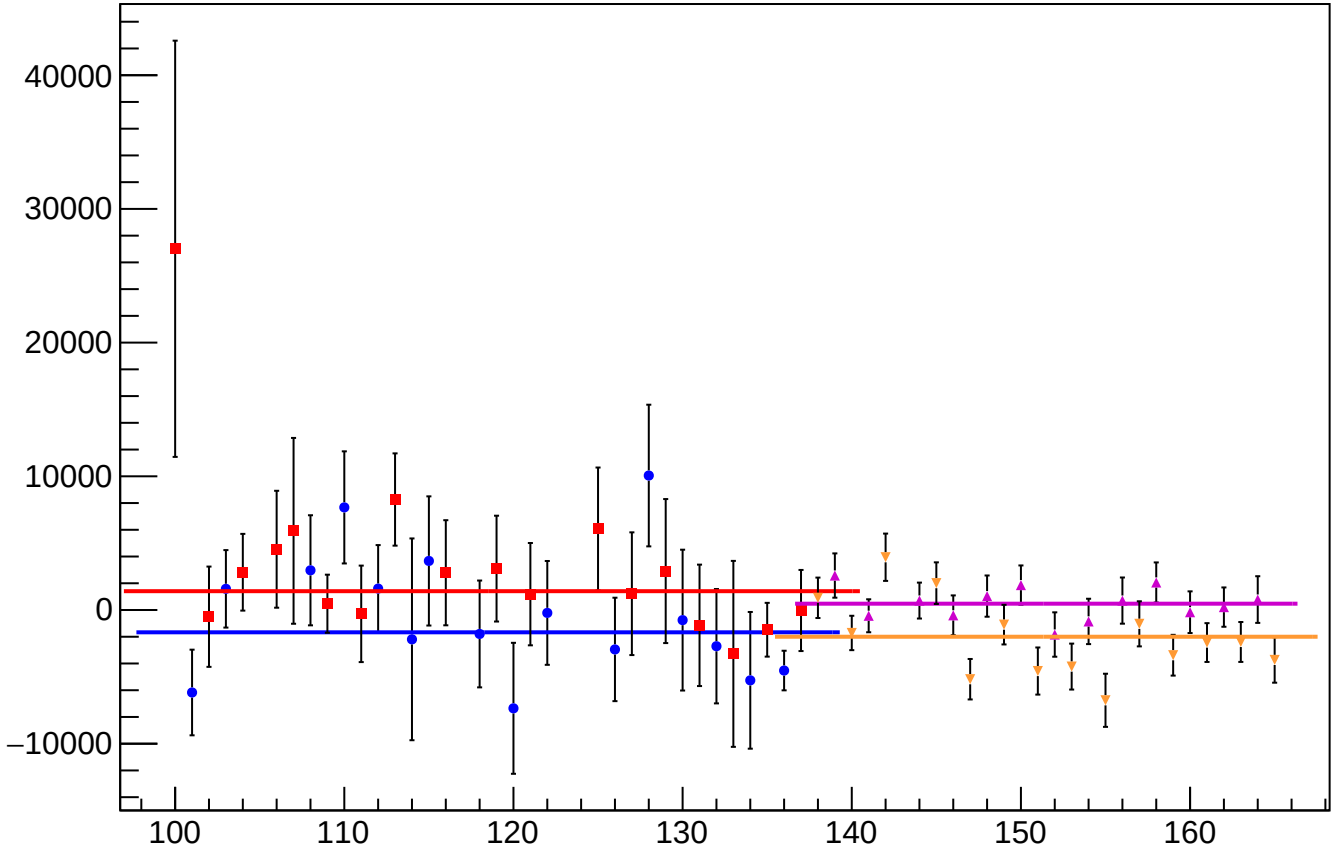
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.663+/-0.360 χ^2/NDF:229578.6/28

Out: 2151.704+/-0.358 χ^2/NDF:197311.2/31

All: 2156.656+/-0.254 χ^2/NDF: 427275.5/60

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: -1999.395+/-421.380 χ^2/NDF:38.3/13

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 472.345+/-422.471 χ^2/NDF:7.5/12

Left: -766.721+/-298.346 χ^2/NDF: 63.0/26

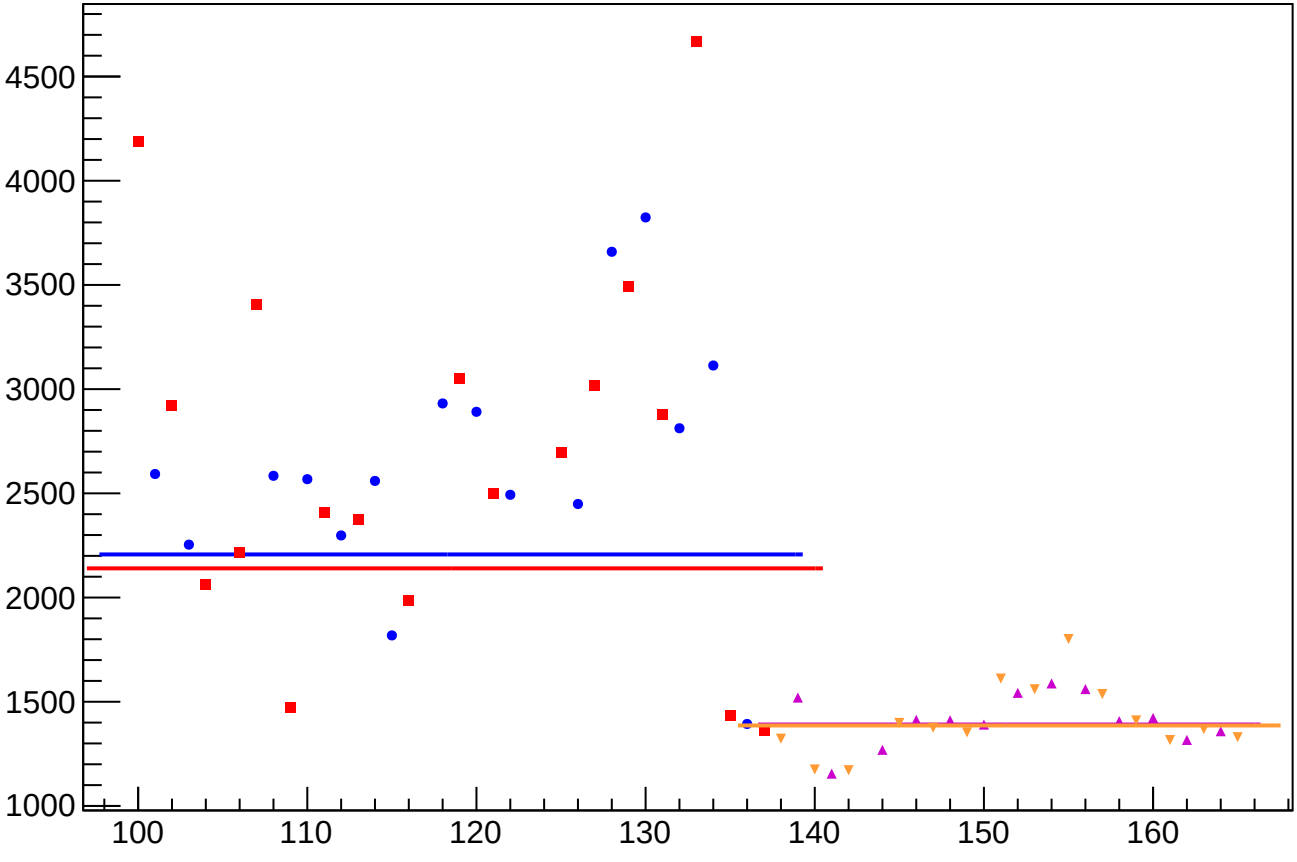
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 57.806+/-379.370 χ^2/NDF:34.9/28

Out: -1323.464+/-377.277 χ^2/NDF:64.3/31

All: -636.650+/-267.512 χ^2/NDF: 105.9/60

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: 1386.245+/-0.298 χ^2/NDF:251978.0/13

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

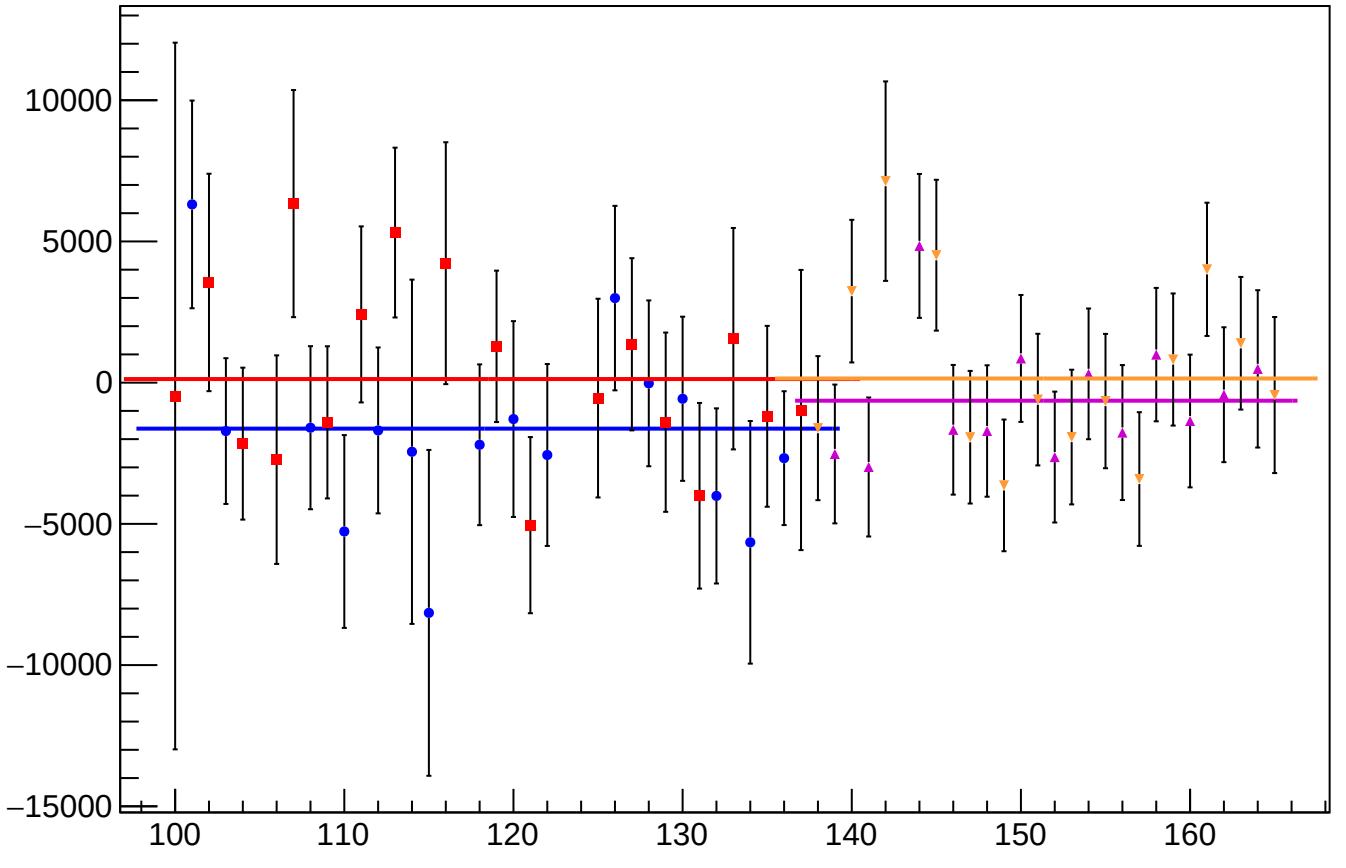
Left: 1388.475+/-0.211 χ^2/NDF: 424373.1/26

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1548.763+/-0.268 χ^2/NDF:2866792.2/28

Out: 1535.781+/-0.267 χ^2/NDF:2970027.1/31

All: 1542.236+/-0.189 χ^2/NDF: 5837996.6/60



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 147.872+/-661.300 χ^2/NDF:18.3/13

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -638.738+/-663.728 χ^2/NDF:8.9/12

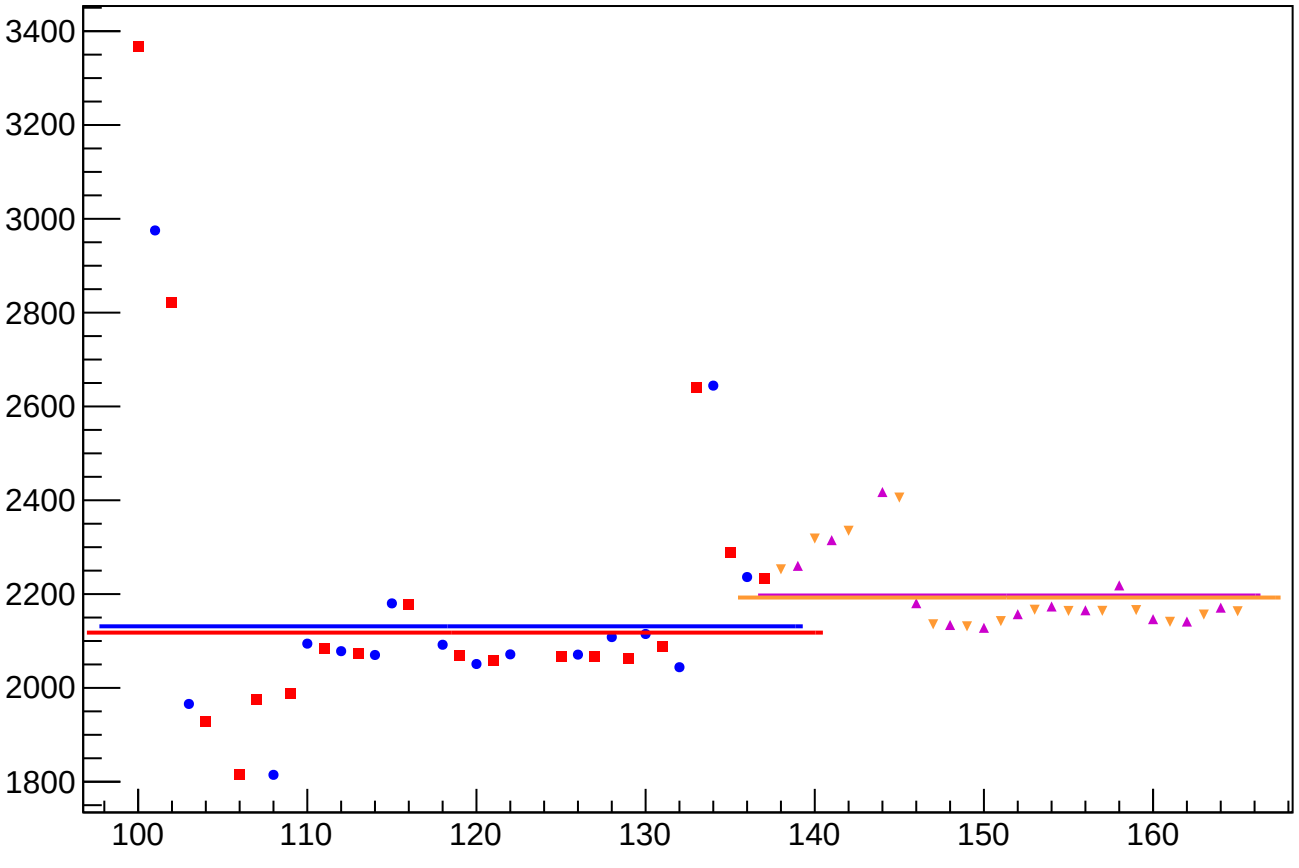
Left: -243.992+/-468.466 χ^2/NDF: 27.9/26

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1043.128+/-510.281 χ^2/NDF:21.1/28

Out: 139.796+/-508.637 χ^2/NDF:32.9/31

All: -449.757+/-360.241 χ^2/NDF: 56.7/60



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2192.657+/-0.468 χ^2/NDF:28295.6/13

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2196.989+/-0.469 χ^2/NDF:27838.9/12

Left: 2194.815+/-0.331 χ^2/NDF: 56177.3/26

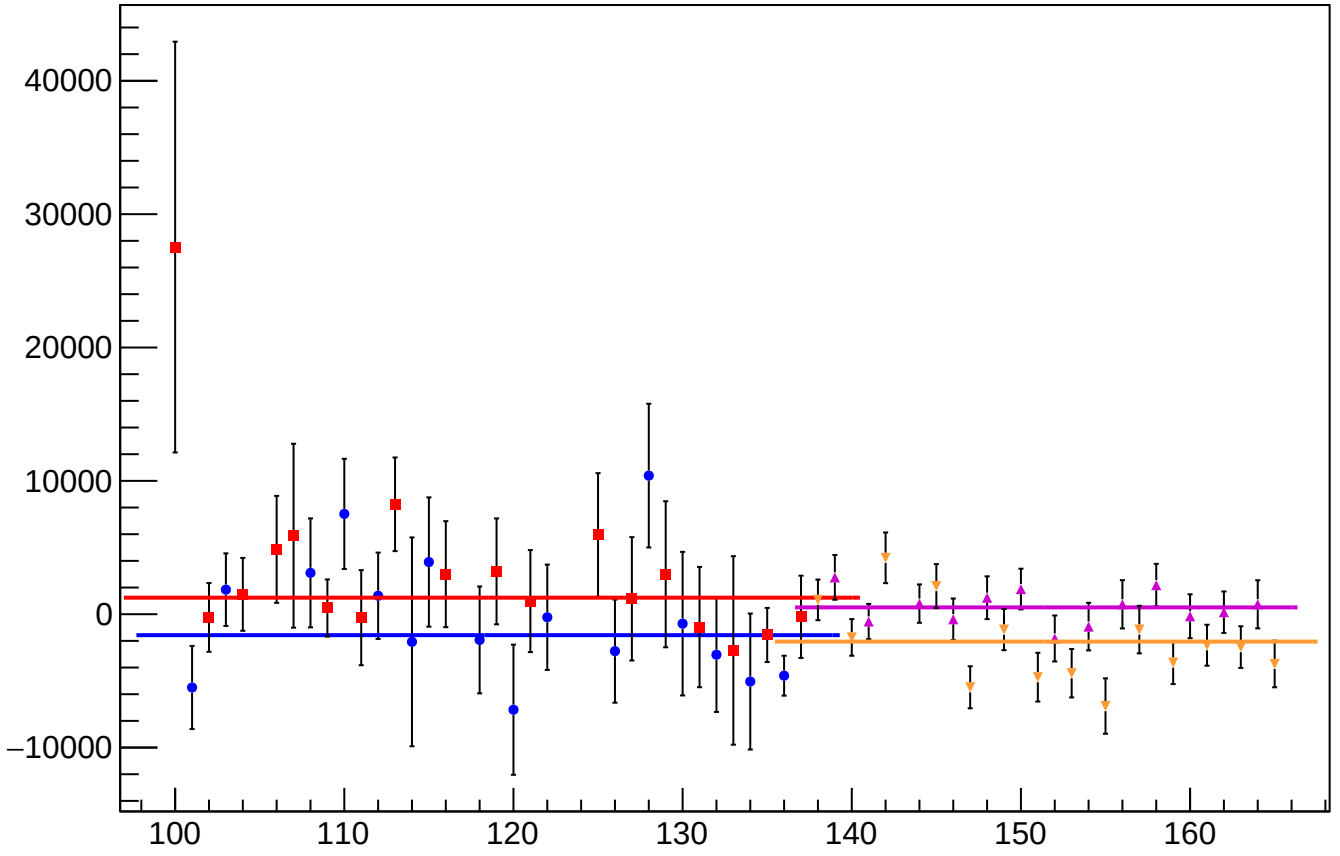
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2170.126+/-0.361 χ^2/NDF:211793.6/28

Out: 2162.112+/-0.360 χ^2/NDF:202366.0/31

All: 2166.106+/-0.255 χ^2/NDF: 414407.1/60

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: -2054.745+/-441.880 χ^2/NDF:38.1/13

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 511.192+/-443.567 χ^2/NDF:7.6/12

Left: -776.666+/-313.051 χ^2/NDF: 62.5/26

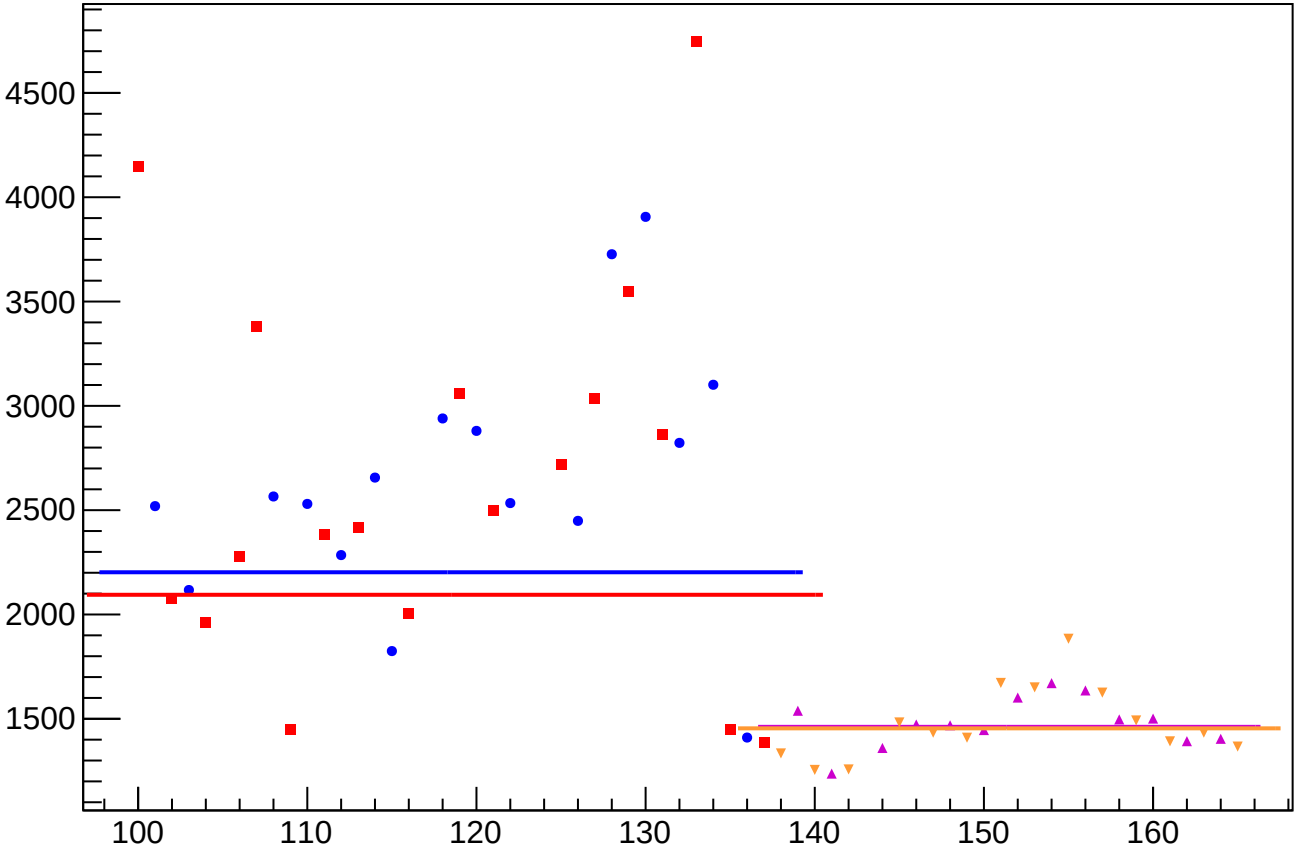
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 73.456+/-394.196 χ^2/NDF:34.9/28

Out: -1312.754+/-388.971 χ^2/NDF:63.7/31

All: -628.897+/-276.873 χ^2/NDF: 104.8/60

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: 1454.253+/-0.312 χ^2/NDF:243982.4/13

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1461.456+/-0.314 χ^2/NDF:139643.9/12

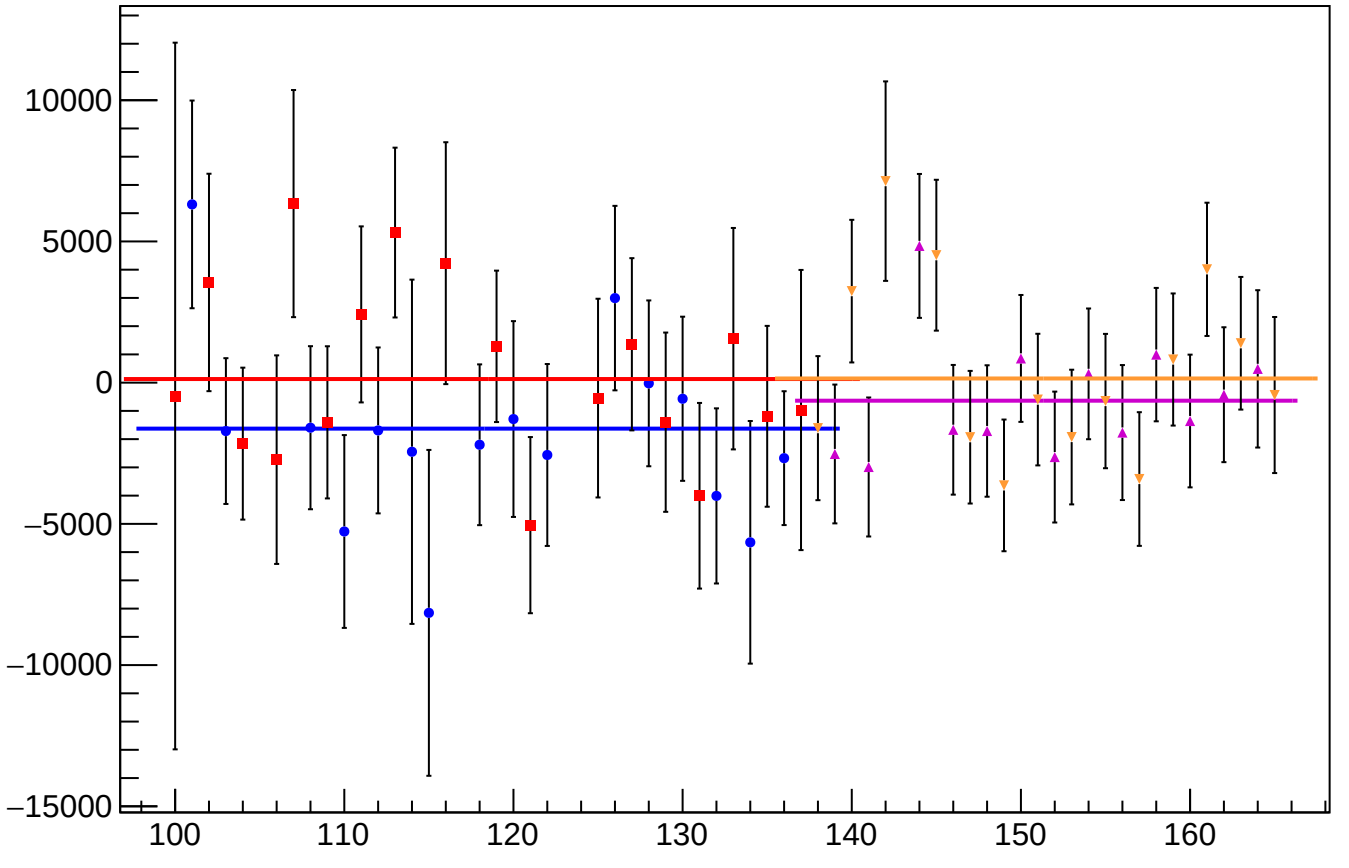
Left: 1457.841+/-0.221 χ^2/NDF: 383891.1/26

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1617.213+/-0.279 χ^2/NDF:2535704.3/28

Out: 1598.383+/-0.275 χ^2/NDF:2562779.4/31

All: 1607.672+/-0.196 χ^2/NDF: 5100796.0/60



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 147.877+/-661.300 χ^2/NDF:18.3/13

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -638.738+/-663.728 χ^2/NDF:8.9/12

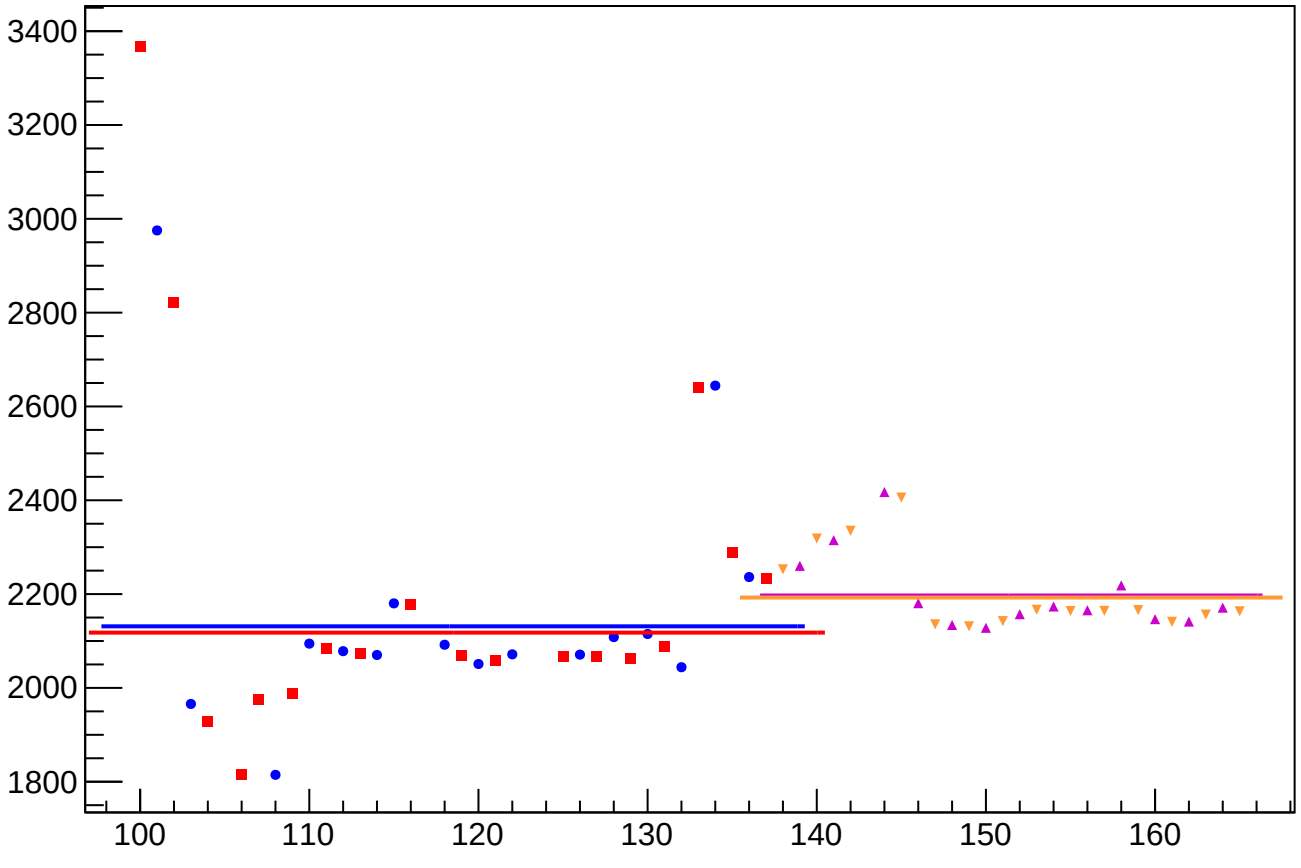
Left: -243.989+/-468.466 χ^2/NDF: 27.9/26

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1043.129+/-510.281 χ^2/NDF:21.1/28

Out: 139.797+/-508.637 χ^2/NDF:32.9/31

All: -449.757+/-360.241 χ^2/NDF: 56.7/60



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2192.657+/-0.468 χ^2/NDF:28295.7/13

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2196.989+/-0.469 χ^2/NDF:27839.0/12

Left: 2194.815+/-0.331 χ^2/NDF: 56177.5/26

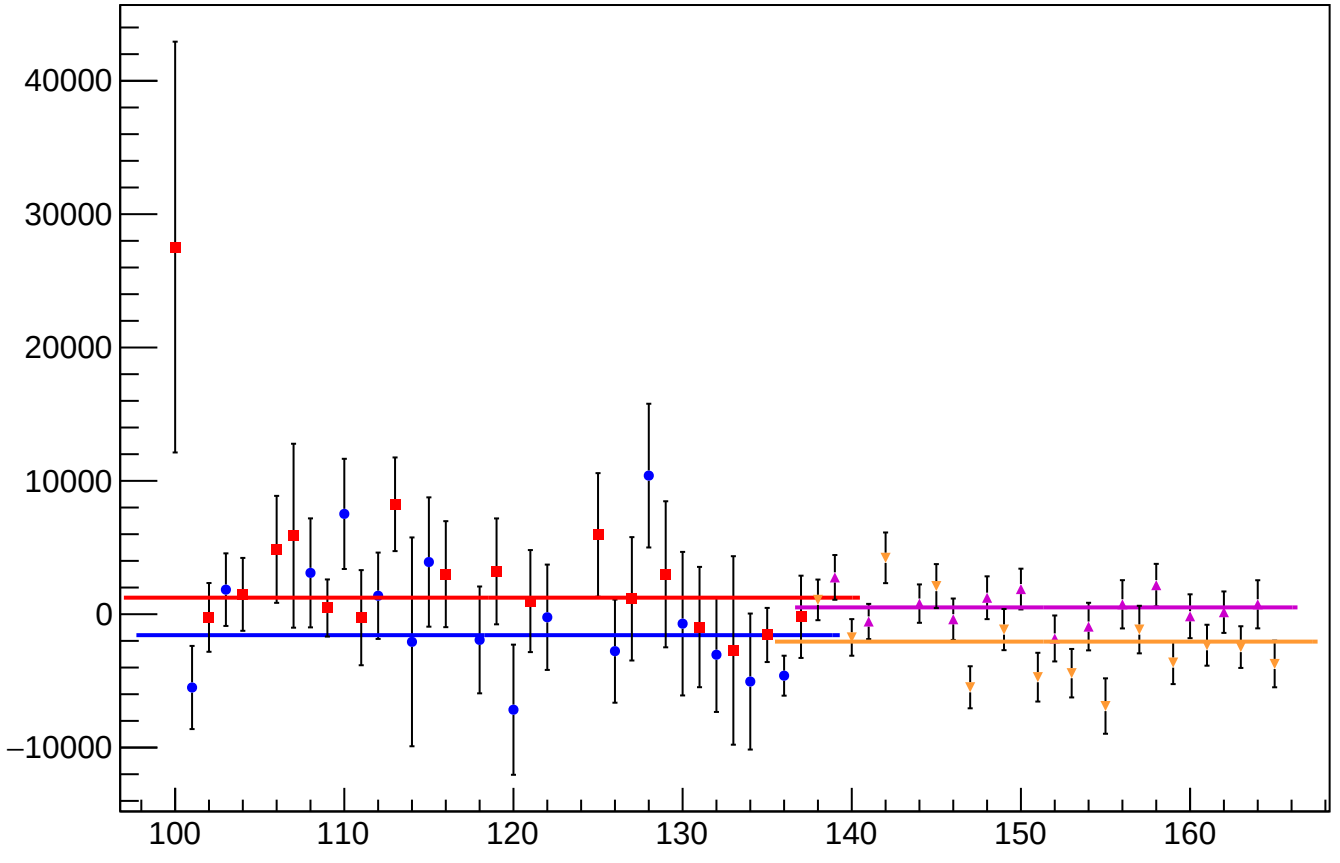
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.126+/-0.361 χ^2/NDF:211793.7/28

Out: 2162.112+/-0.360 χ^2/NDF:202366.0/31

All: 2166.106+/-0.255 χ^2/NDF: 414407.2/60

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: -2054.754+/-441.880 χ^2/NDF:38.1/13

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 511.188+/-443.567 χ^2/NDF:7.6/12

Left: -776.671+/-313.051 χ^2/NDF: 62.5/26

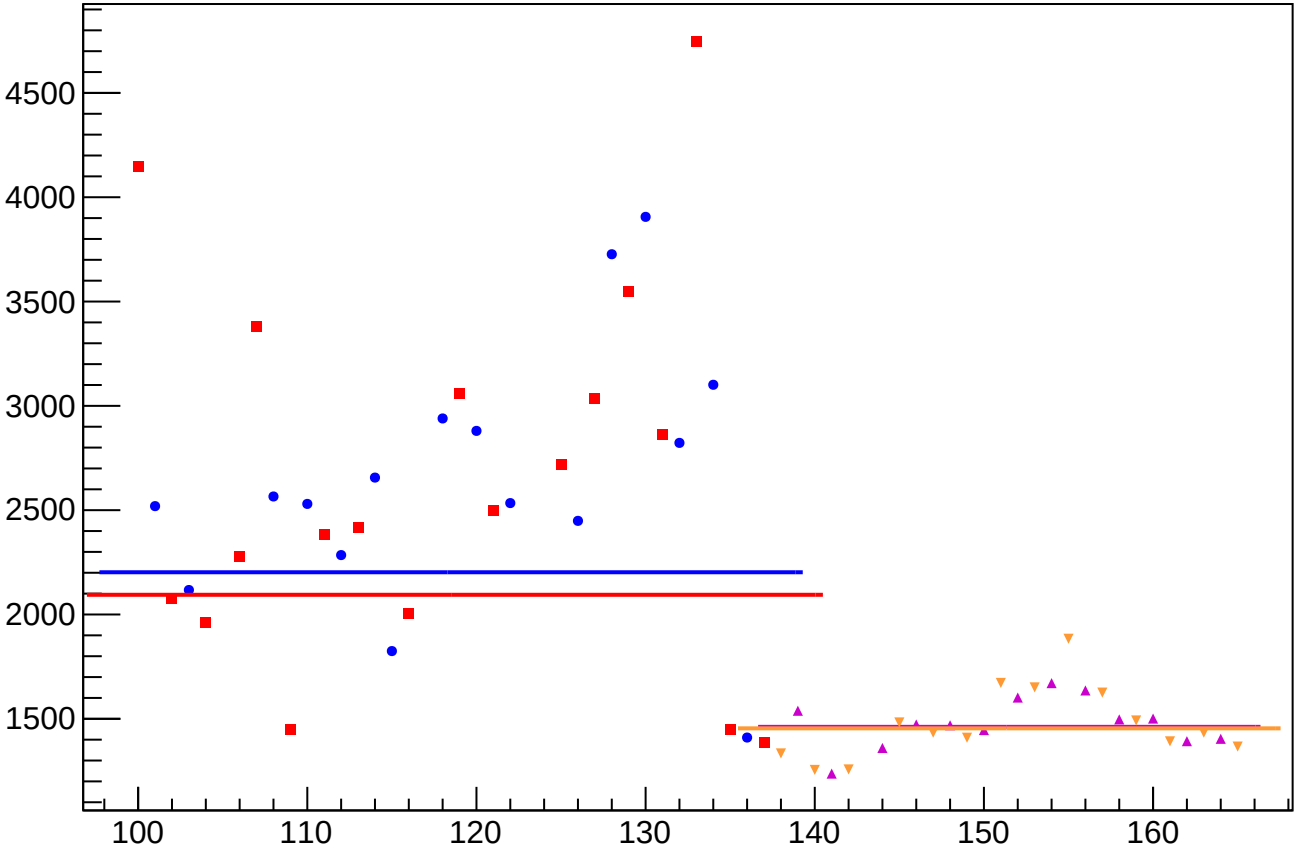
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 73.458+/-394.196 χ^2/NDF:34.9/28

Out: -1312.760+/-388.971 χ^2/NDF:63.7/31

All: -628.898+/-276.873 χ^2/NDF: 104.8/60

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: 1454.255+/-0.312 χ^2/NDF:243973.8/13

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1461.456+/-0.314 χ^2/NDF:139647.4/12

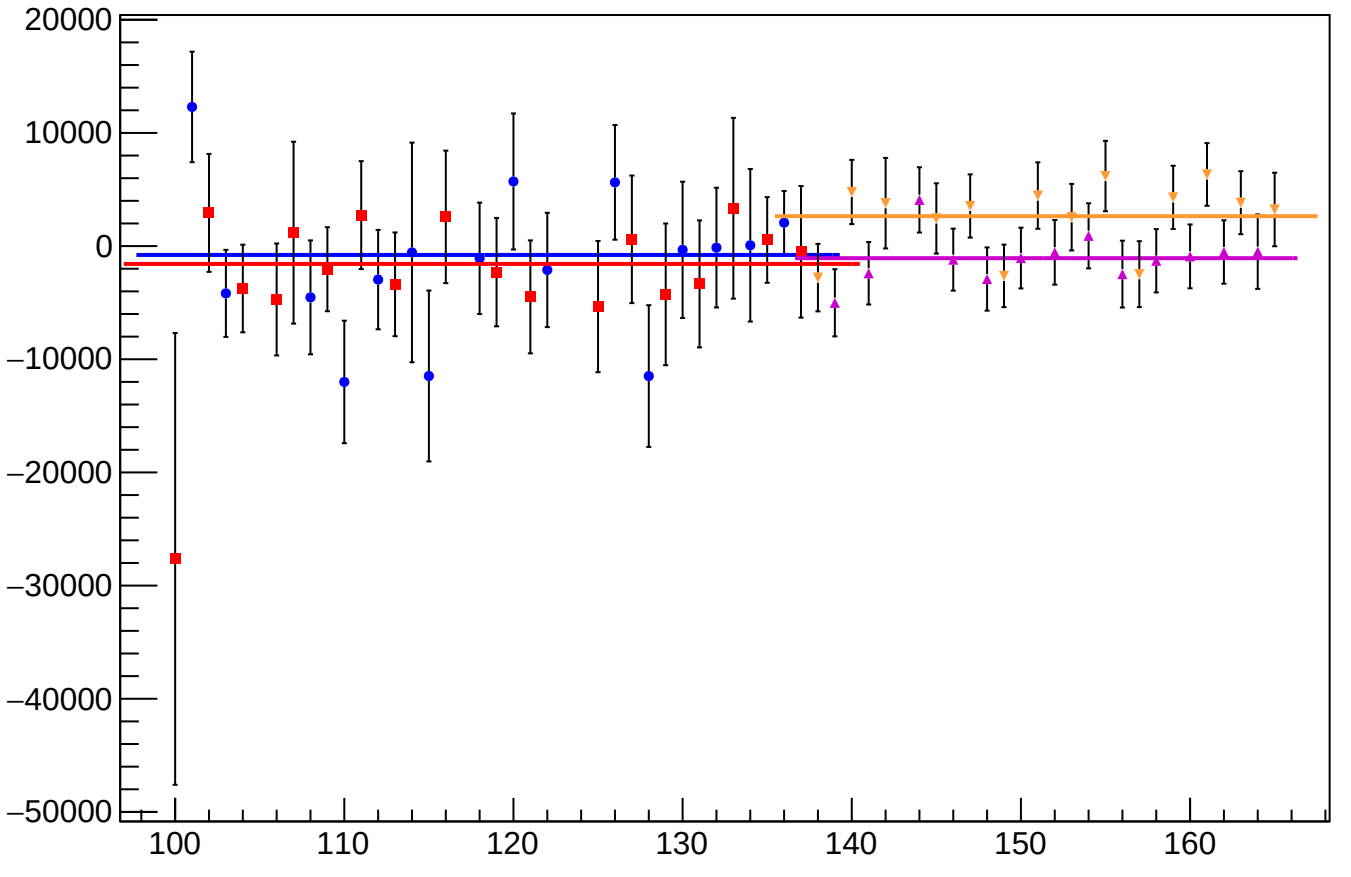
Left: 1457.841+/-0.221 χ^2/NDF: 383885.7/26

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1617.215+/-0.279 χ^2/NDF:2535681.2/28

Out: 1598.387+/-0.275 χ^2/NDF:2562747.4/31

All: 1607.675+/-0.196 χ^2/NDF: 5100740.5/60



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2643.238+/-791.218 χ^2/NDF:14.8/13

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1068.668+/-791.416 χ^2/NDF:6.4/12

Left: 787.752+/-559.546 χ^2/NDF: 32.3/26

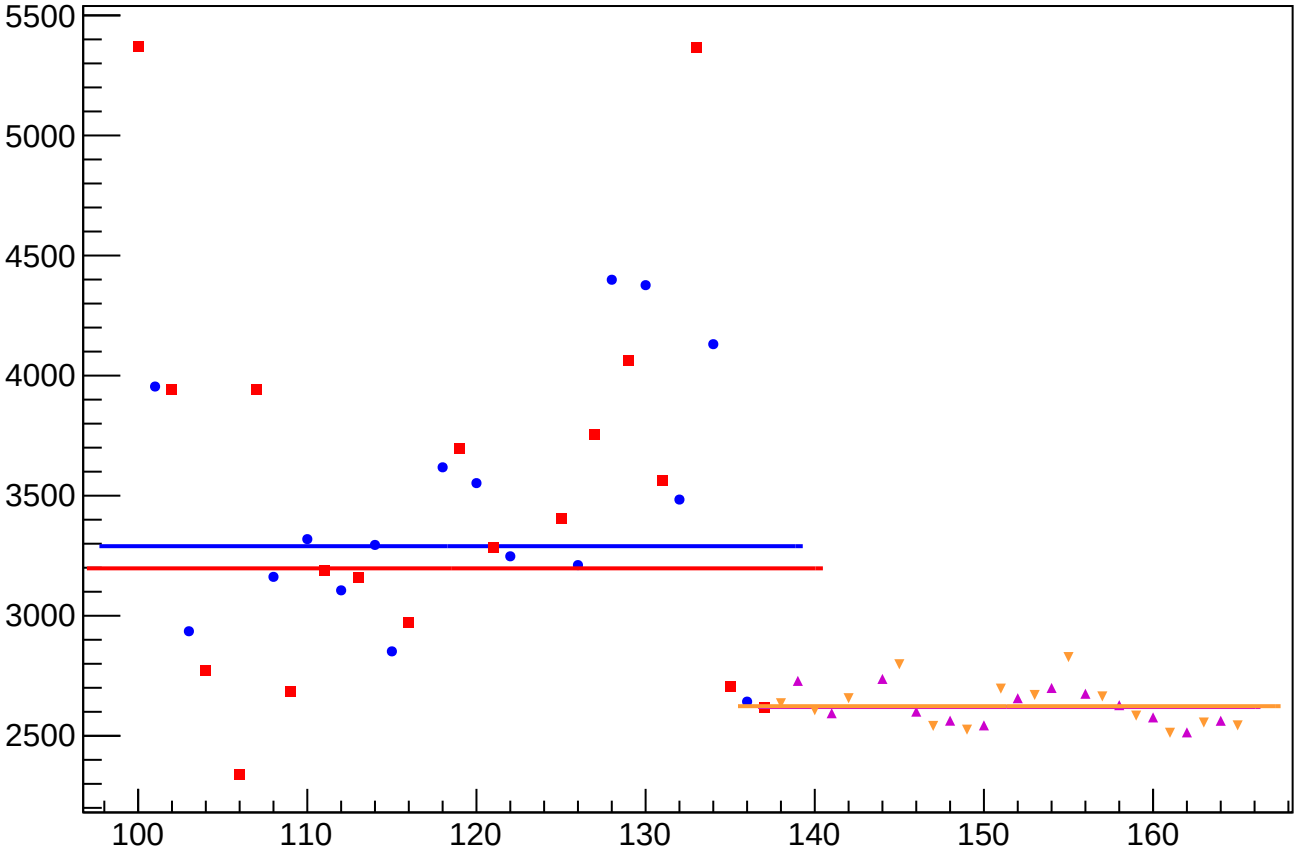
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -985.746+/-667.386 χ^2/NDF:28.4/28

Out: 1392.927+/-663.667 χ^2/NDF:30.0/31

All: 210.238+/-470.593 χ^2/NDF: 64.7/60

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2623.452+/-0.559 χ^2/NDF:27582.5/13

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2619.922+/-0.560 χ^2/NDF:15175.6/12

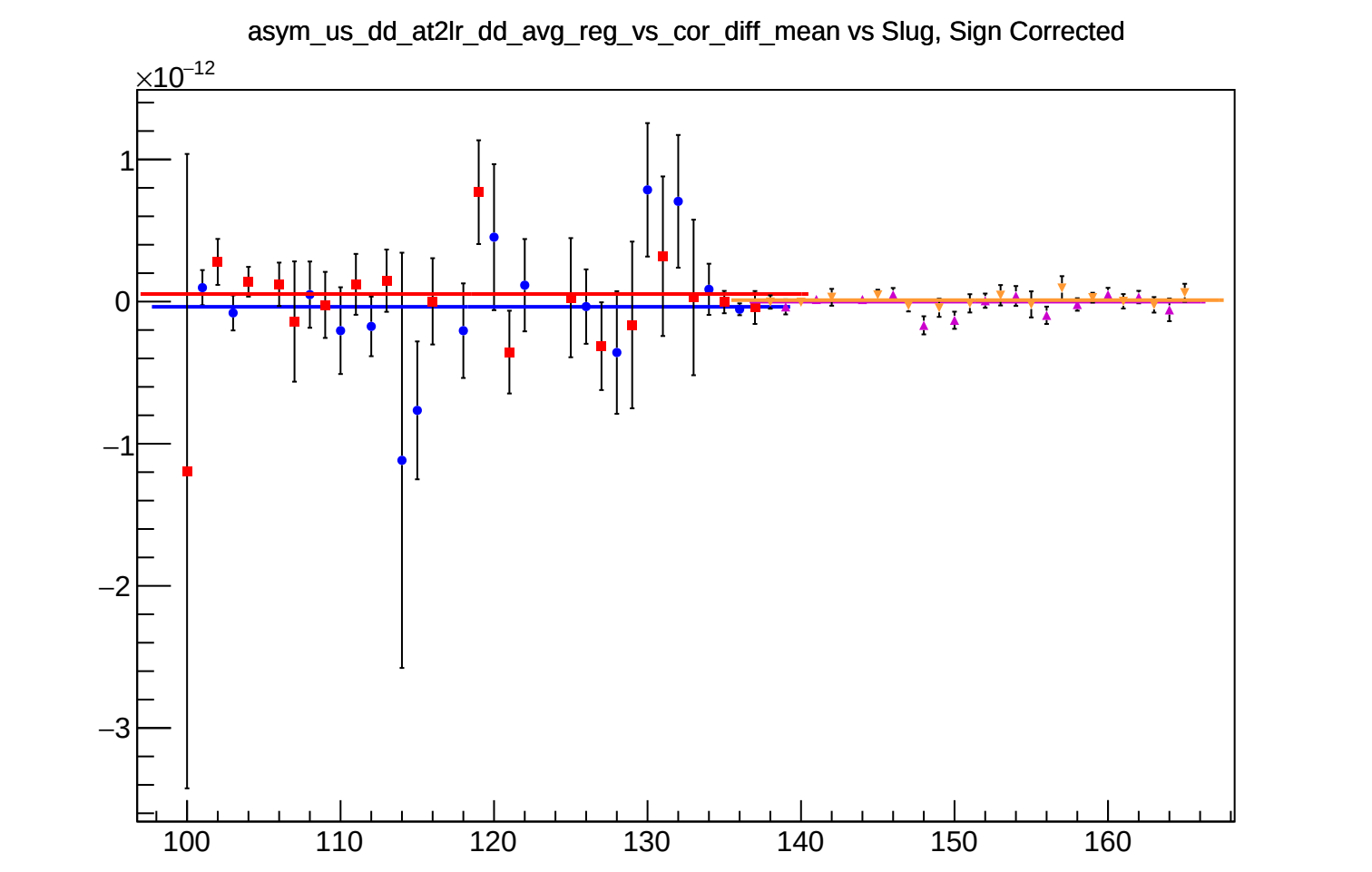
Left: 2621.687+/-0.396 χ^2/NDF: 42778.0/26

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2813.403+/-0.472 χ^2/NDF:776562.4/28

Out: 2793.583+/-0.469 χ^2/NDF:839460.0/31

All: 2803.437+/-0.333 χ^2/NDF: 1616909.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:19.2/12

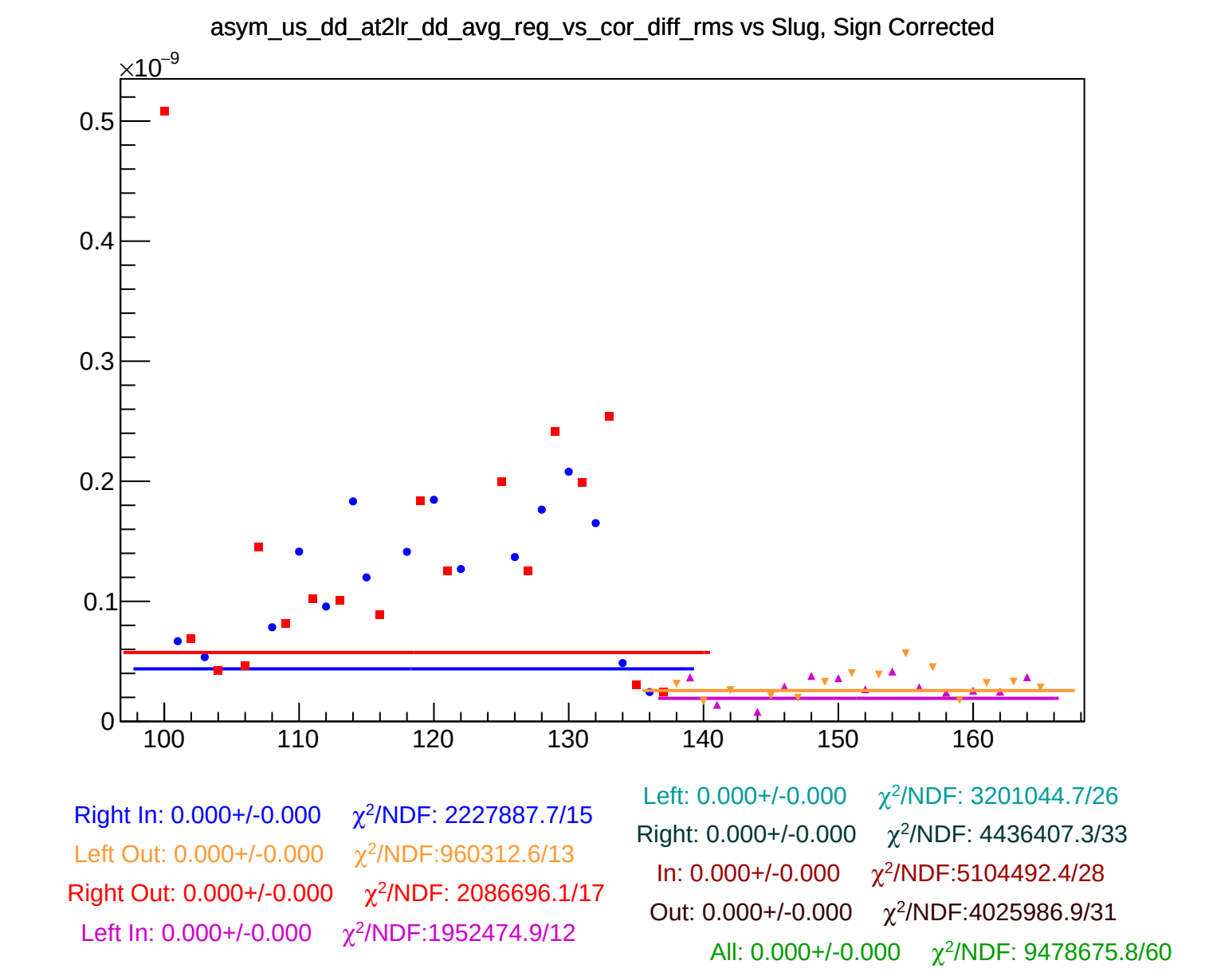
Left: 0.000+/-0.000 χ^2/NDF: 25.3/26

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

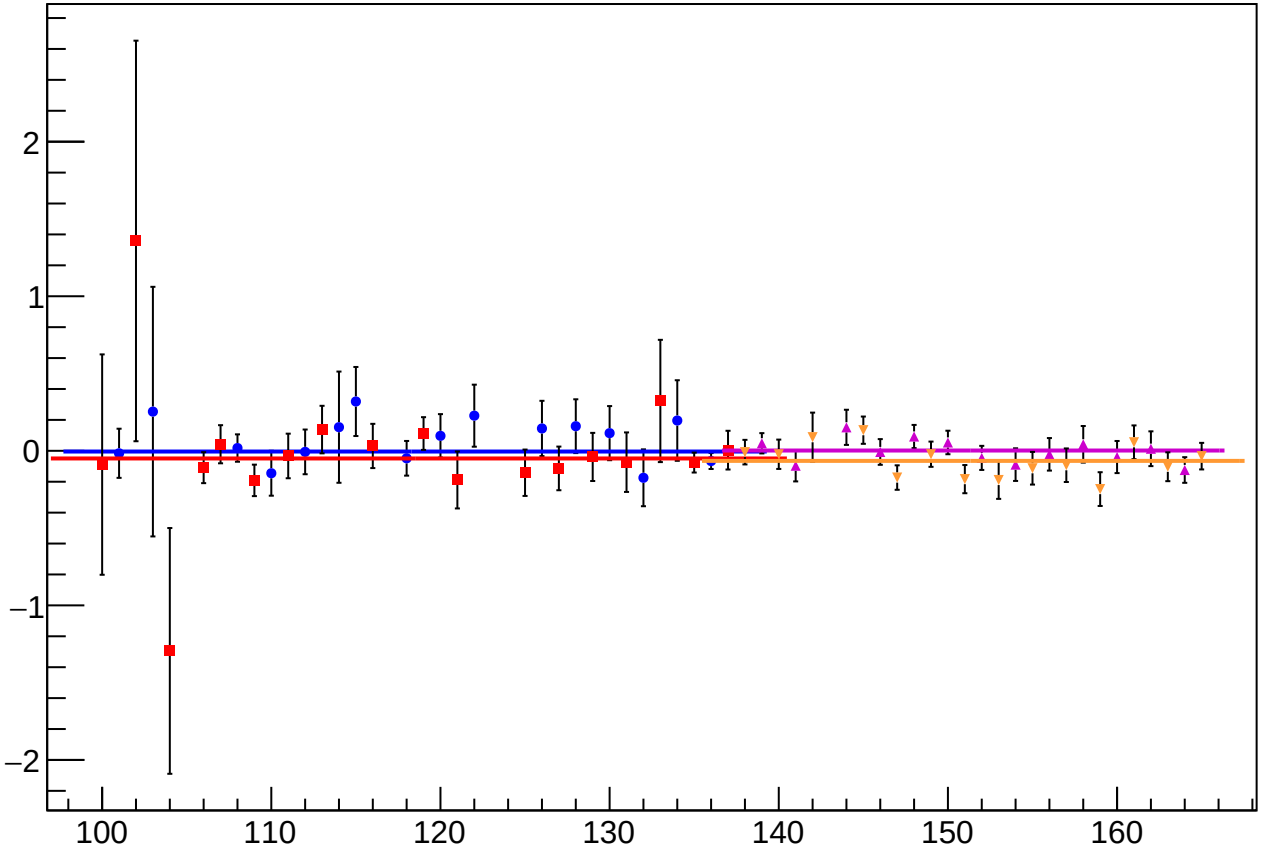
In: -0.000+/-0.000 χ^2/NDF:33.4/28

Out: 0.000+/-0.000 χ^2/NDF:19.2/31

All: 0.000+/-0.000 χ^2/NDF: 53.7/60


asym_us_dd_at2lr_dd_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:960312.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1952474.9/12
Left: 0.000+/-0.000 χ²/NDF: 3201044.7/26
Right: 0.000+/-0.000 χ²/NDF: 4436407.3/33
In: 0.000+/-0.000 χ²/NDF:5104492.4/28
Out: 0.000+/-0.000 χ²/NDF:4025986.9/31
All: 0.000+/-0.000 χ²/NDF: 9478675.8/60

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: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.031+/-0.018 χ^2/NDF: 28.6/26

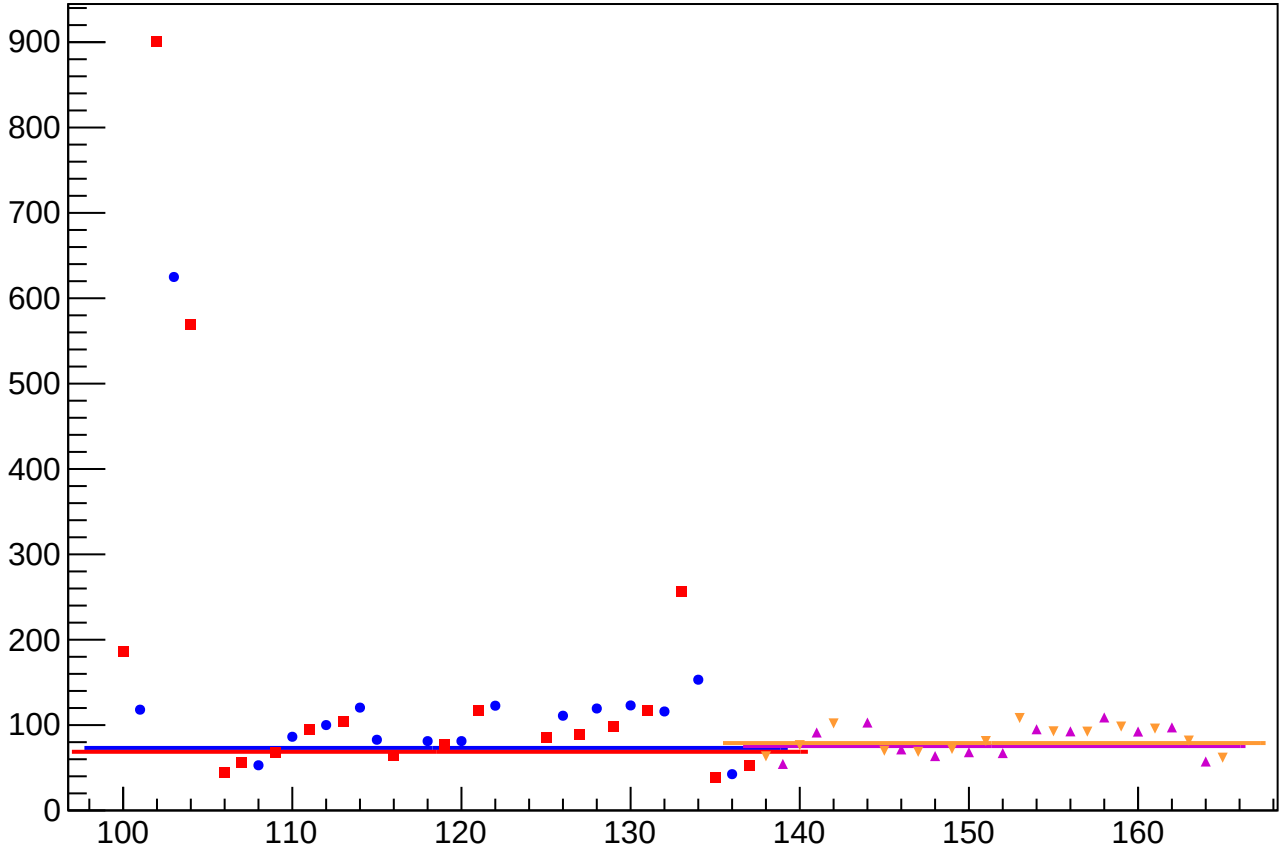
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.029+/-0.014 χ^2/NDF: 52.9/60

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: 78.946+/-0.018 χ^2/NDF:561819.2/13

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

Left: 77.126+/-0.013 χ^2/NDF: 1552100.1/26

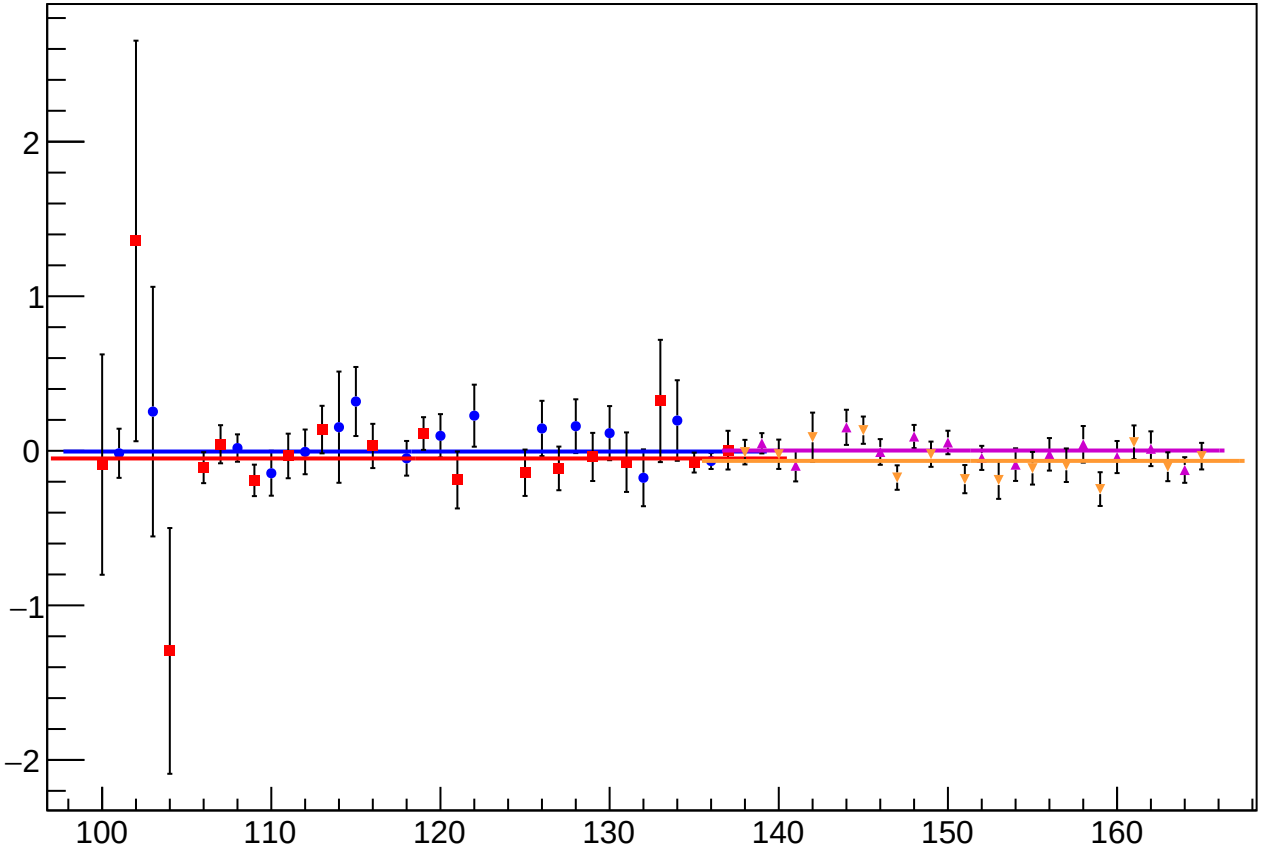
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.614+/-0.014 χ^2/NDF:3831151.1/28

Out: 74.906+/-0.014 χ^2/NDF:4019651.0/31

All: 74.758+/-0.010 χ^2/NDF: 7851020.7/60

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.031+/-0.018 χ^2/NDF: 28.6/26

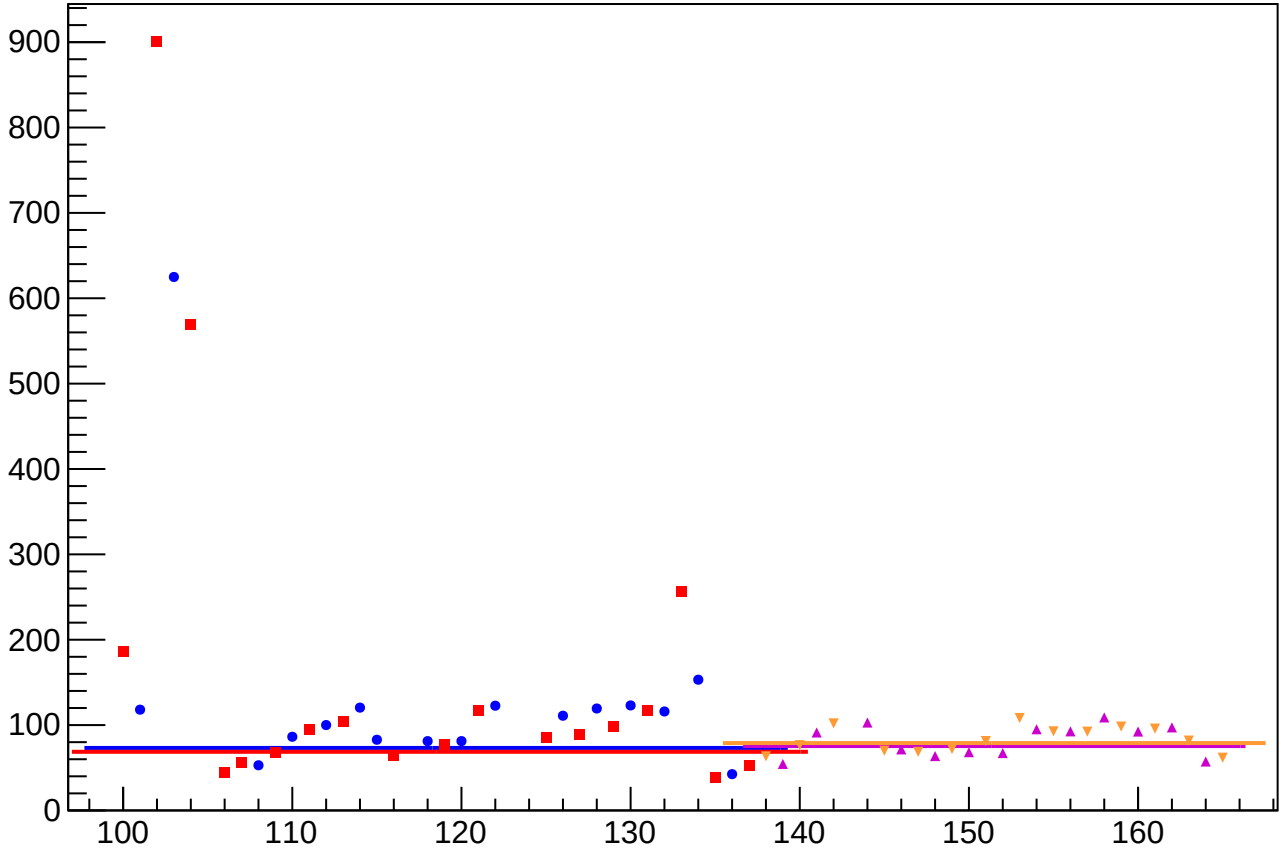
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.029+/-0.014 χ^2/NDF: 52.9/60

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: 78.946+/-0.018 χ^2/NDF:561819.2/13

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

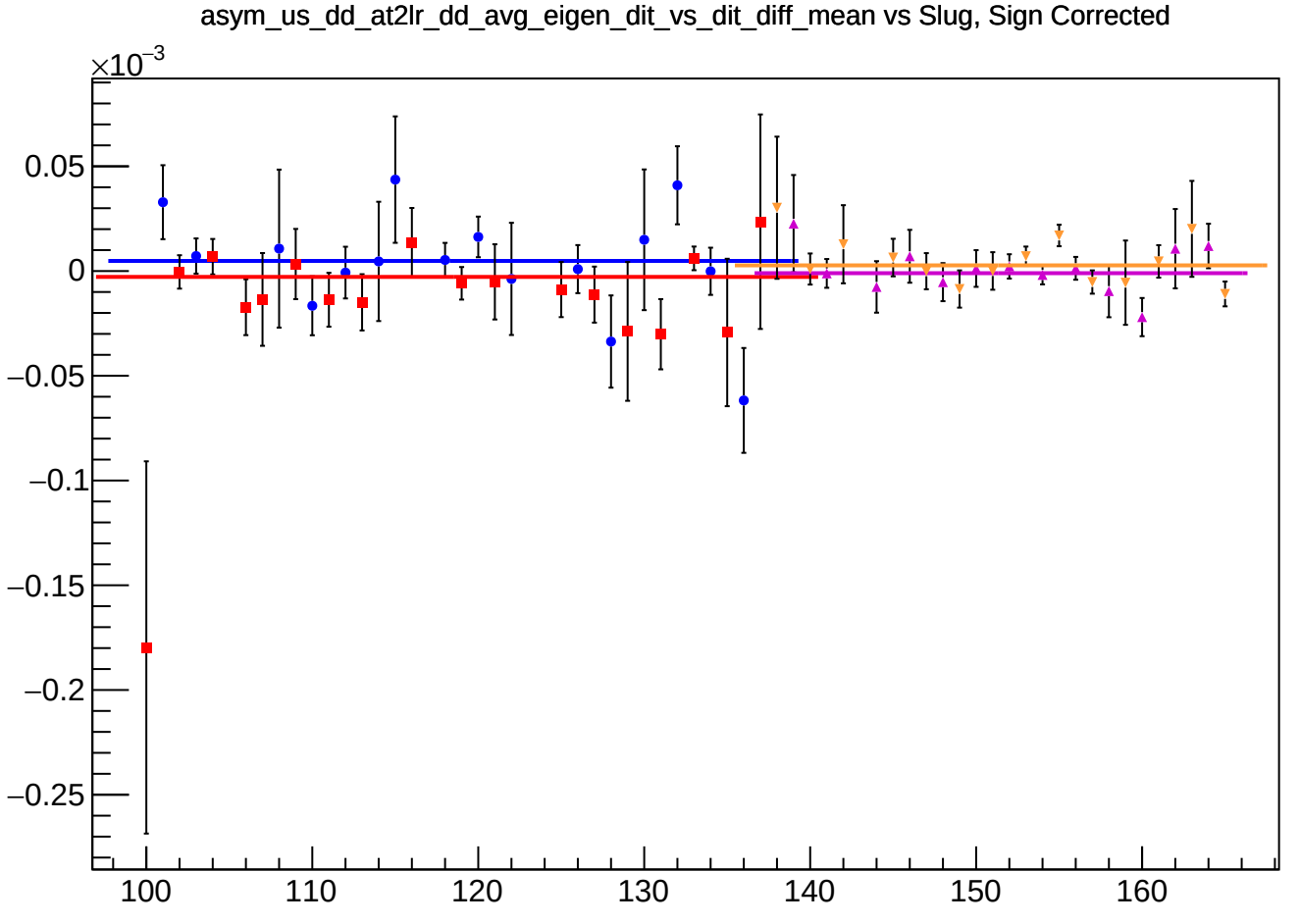
Left: 77.126+/-0.013 χ^2/NDF: 1552100.1/26

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.614+/-0.014 χ^2/NDF:3831151.1/28

Out: 74.906+/-0.014 χ^2/NDF:4019651.0/31

All: 74.758+/-0.010 χ^2/NDF: 7851020.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/12

Left: 0.000+/-0.000 χ^2/NDF: 31.5/26

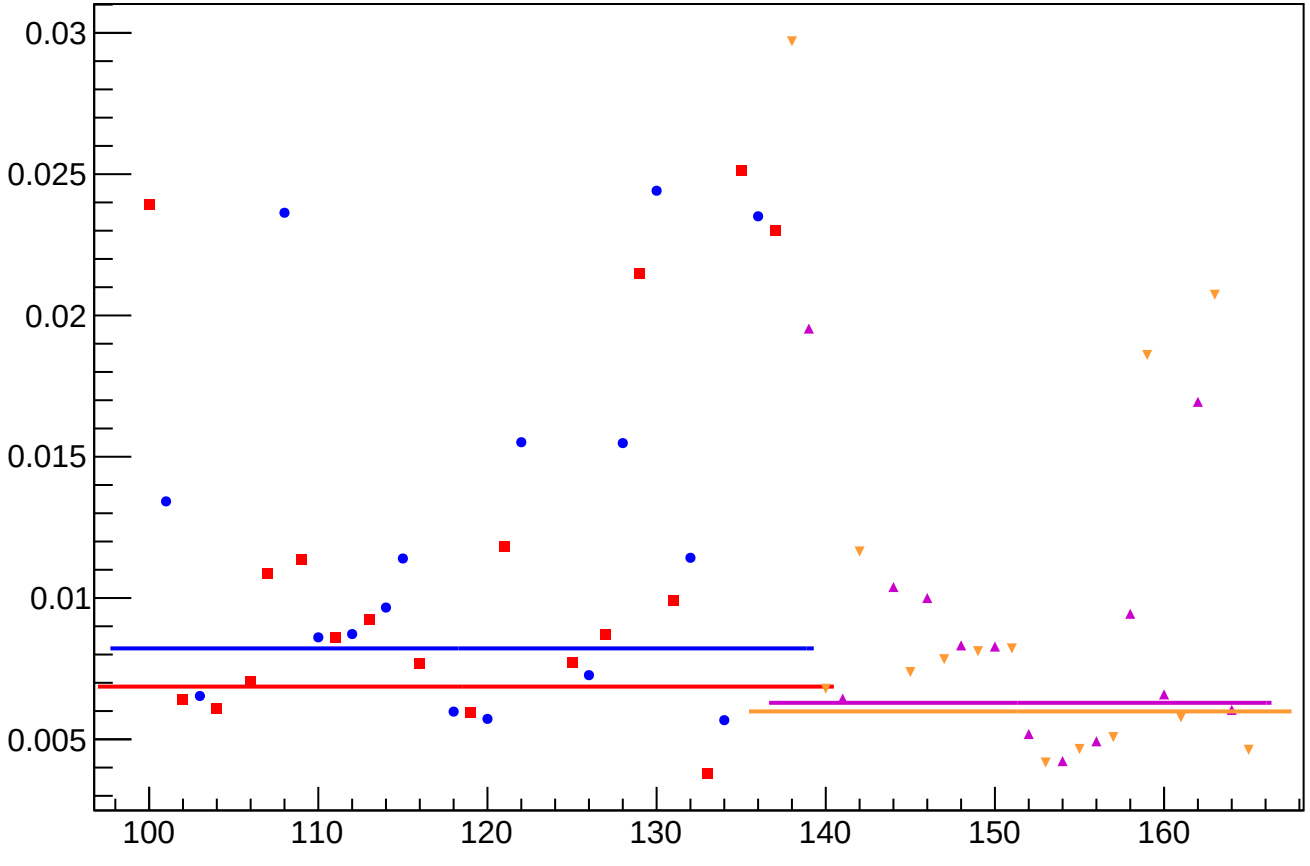
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:34.8/28

Out: 0.000+/-0.000 χ^2/NDF:39.0/31

All: 0.000+/-0.000 χ^2/NDF: 73.8/60

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:3781571.9/13

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2627786.4/12

Left: 0.006+/-0.000 χ^2/NDF: 6429769.8/26

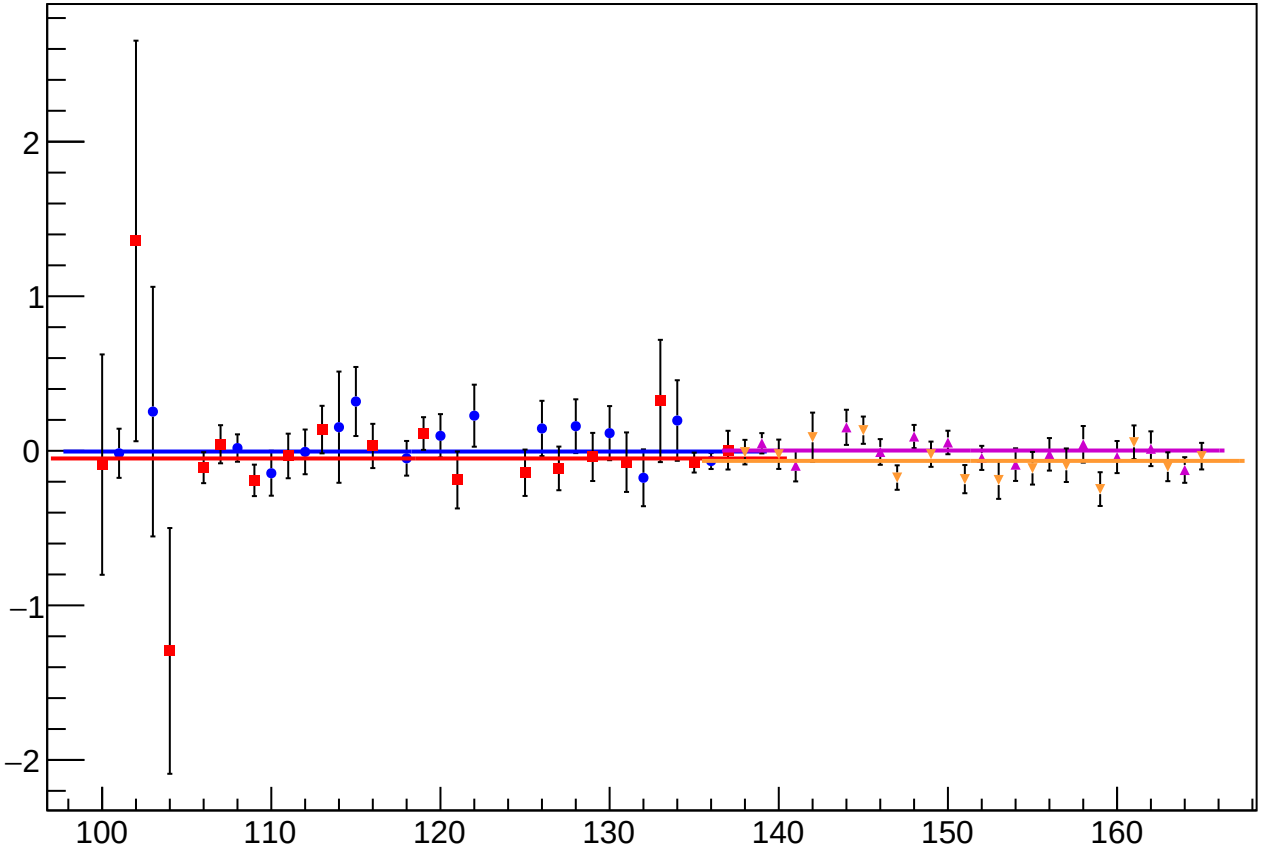
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5717725.7/28

Out: 0.006+/-0.000 χ^2/NDF:6334324.3/31

All: 0.007+/-0.000 χ^2/NDF: 12151581.7/60

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.031+/-0.018 χ^2/NDF: 28.6/26

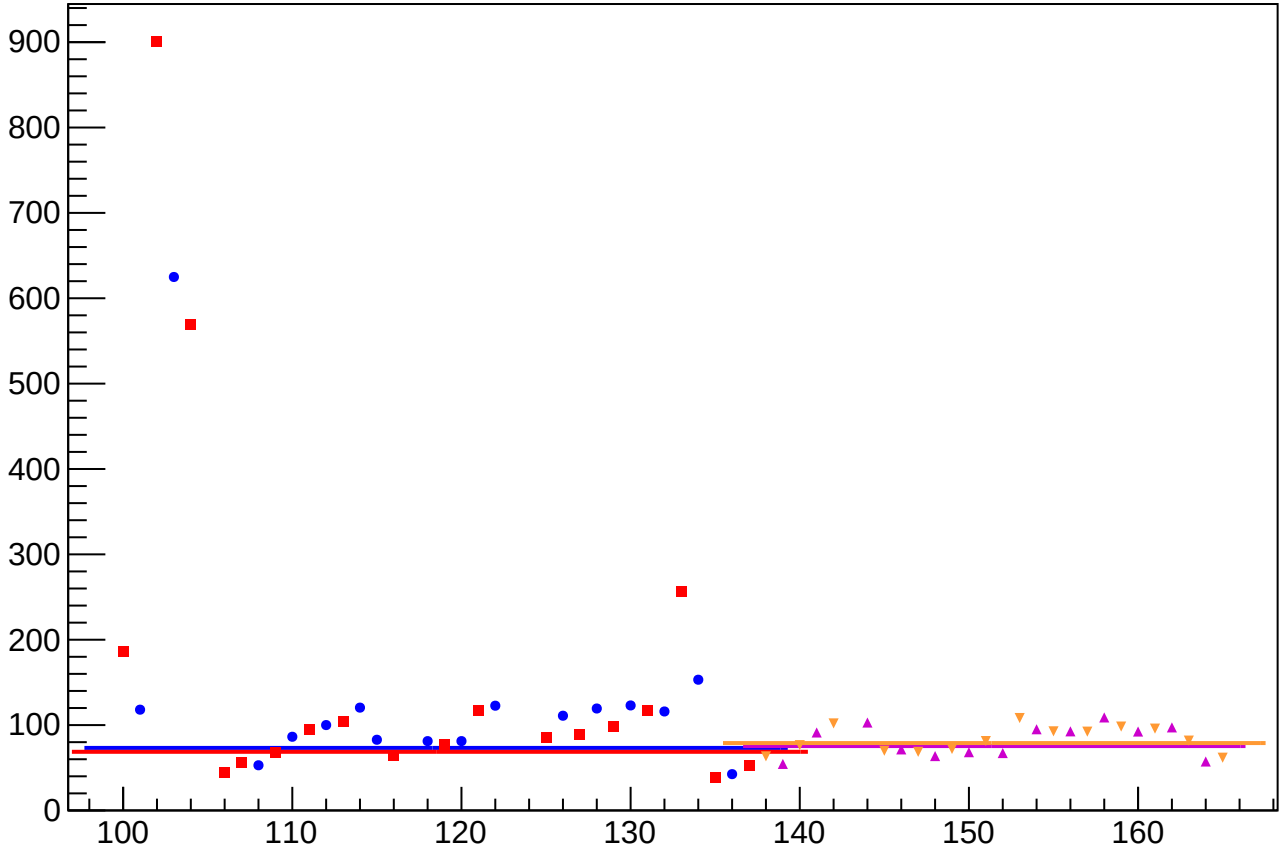
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.029+/-0.014 χ^2/NDF: 52.9/60

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: 78.945+/-0.018 χ^2/NDF:561760.8/13

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 75.427+/-0.017 χ^2/NDF:970495.0/12

Left: 77.127+/-0.013 χ^2/NDF: 1551789.9/26

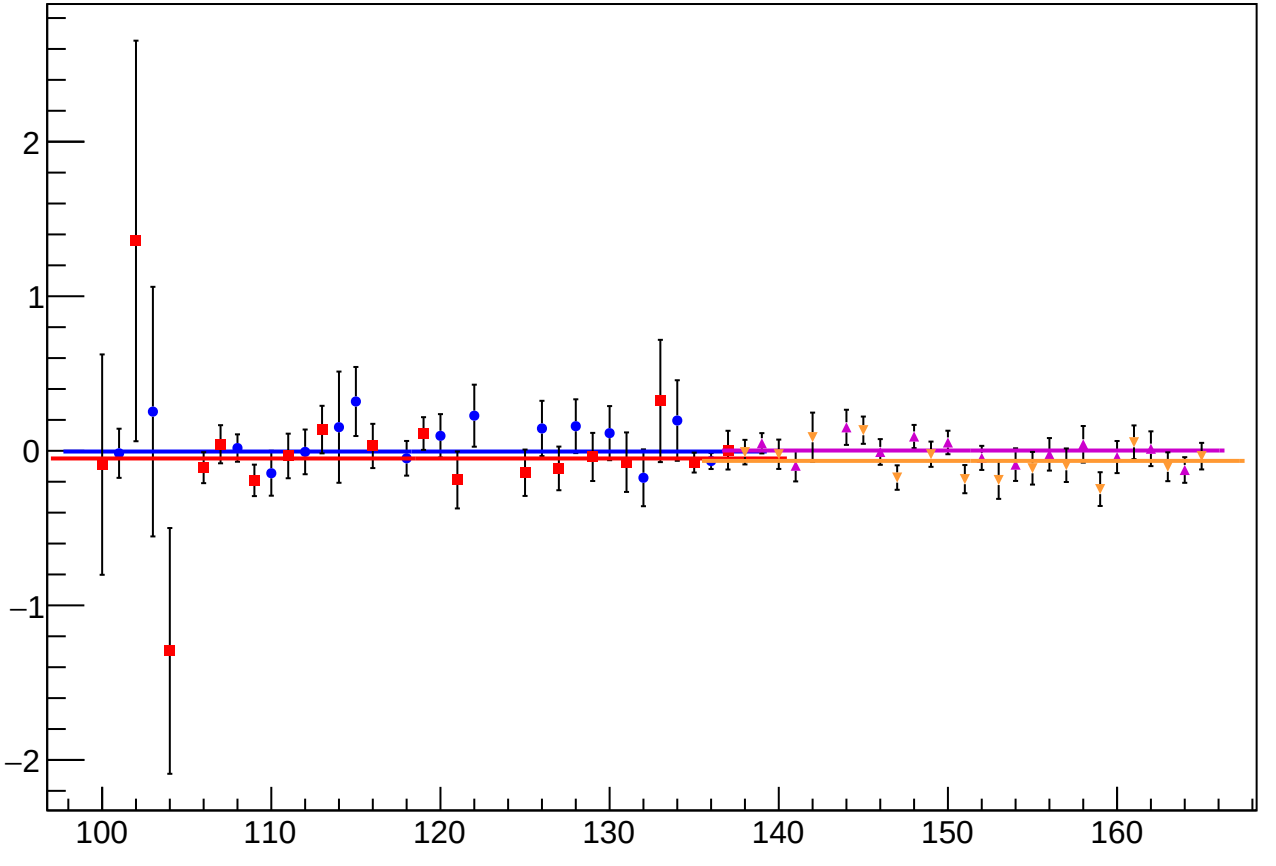
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.624+/-0.014 χ^2/NDF:3828494.9/28

Out: 74.901+/-0.014 χ^2/NDF:4020865.9/31

All: 74.760+/-0.010 χ^2/NDF: 7849557.1/60

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: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.031+/-0.018 χ^2/NDF: 28.6/26

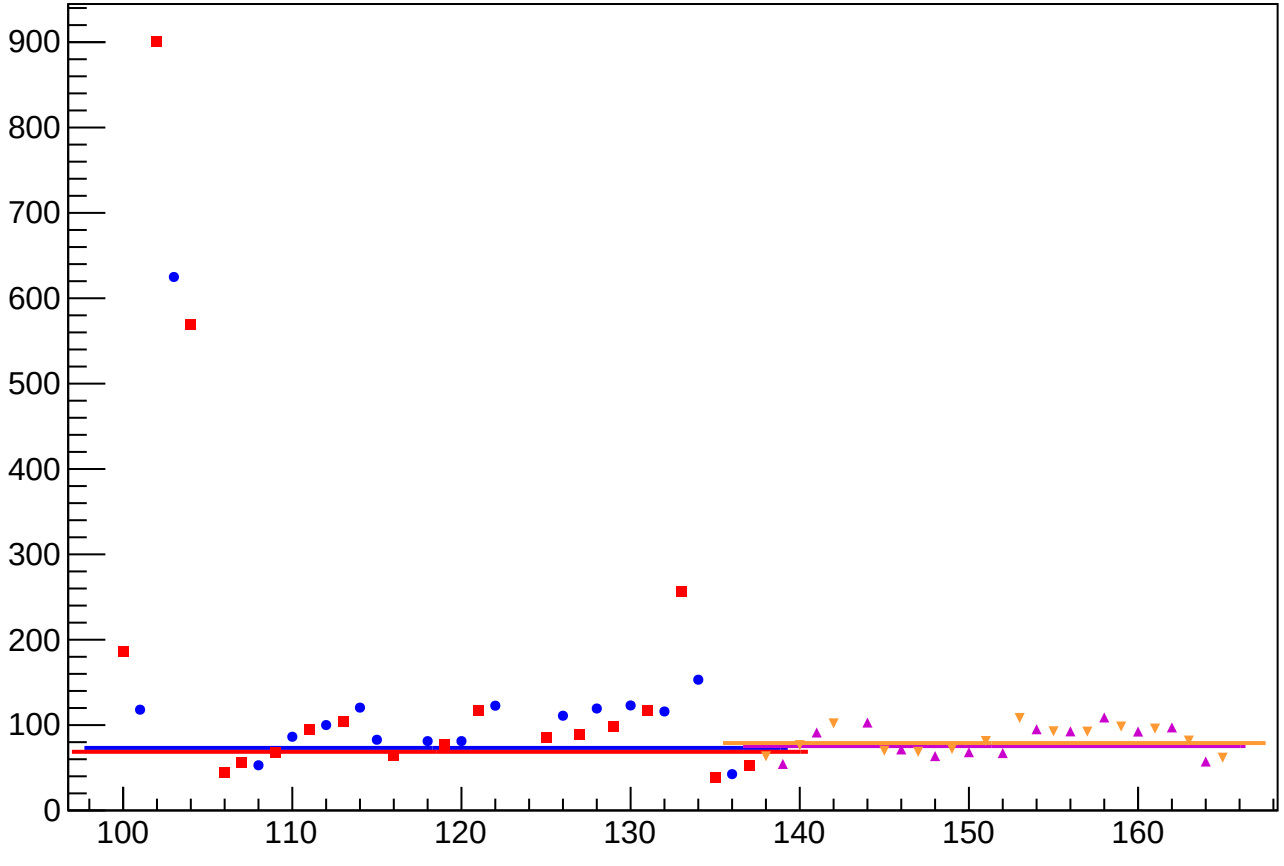
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.029+/-0.014 χ^2/NDF: 52.9/60

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: 78.945+/-0.018 χ^2/NDF:561760.8/13

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 75.427+/-0.017 χ^2/NDF:970495.0/12

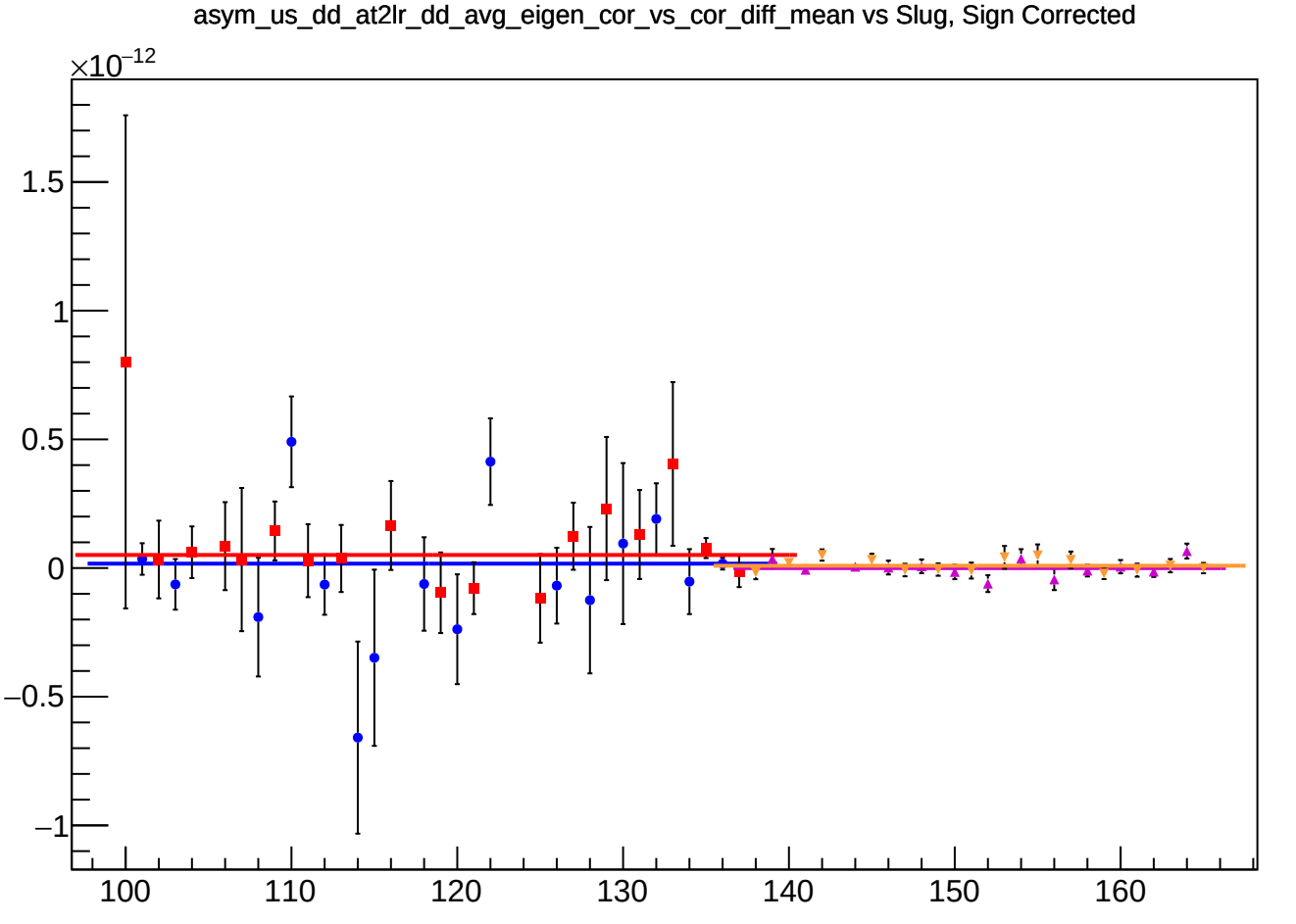
Left: 77.127+/-0.013 χ^2/NDF: 1551789.9/26

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.624+/-0.014 χ^2/NDF:3828494.9/28

Out: 74.901+/-0.014 χ^2/NDF:4020865.9/31

All: 74.760+/-0.010 χ^2/NDF: 7849557.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.9/12

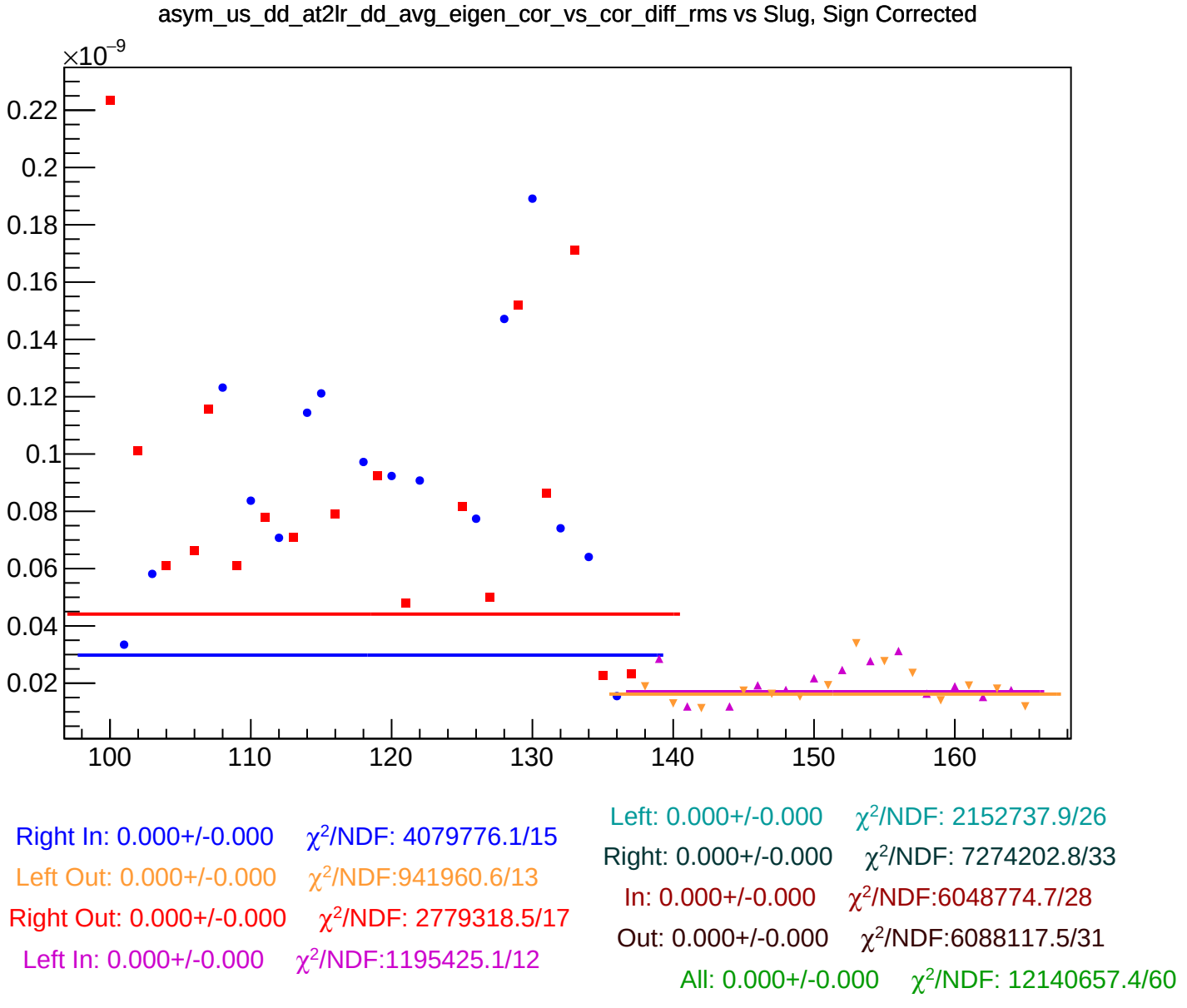
Left: 0.000+/-0.000 χ^2/NDF: 25.4/26

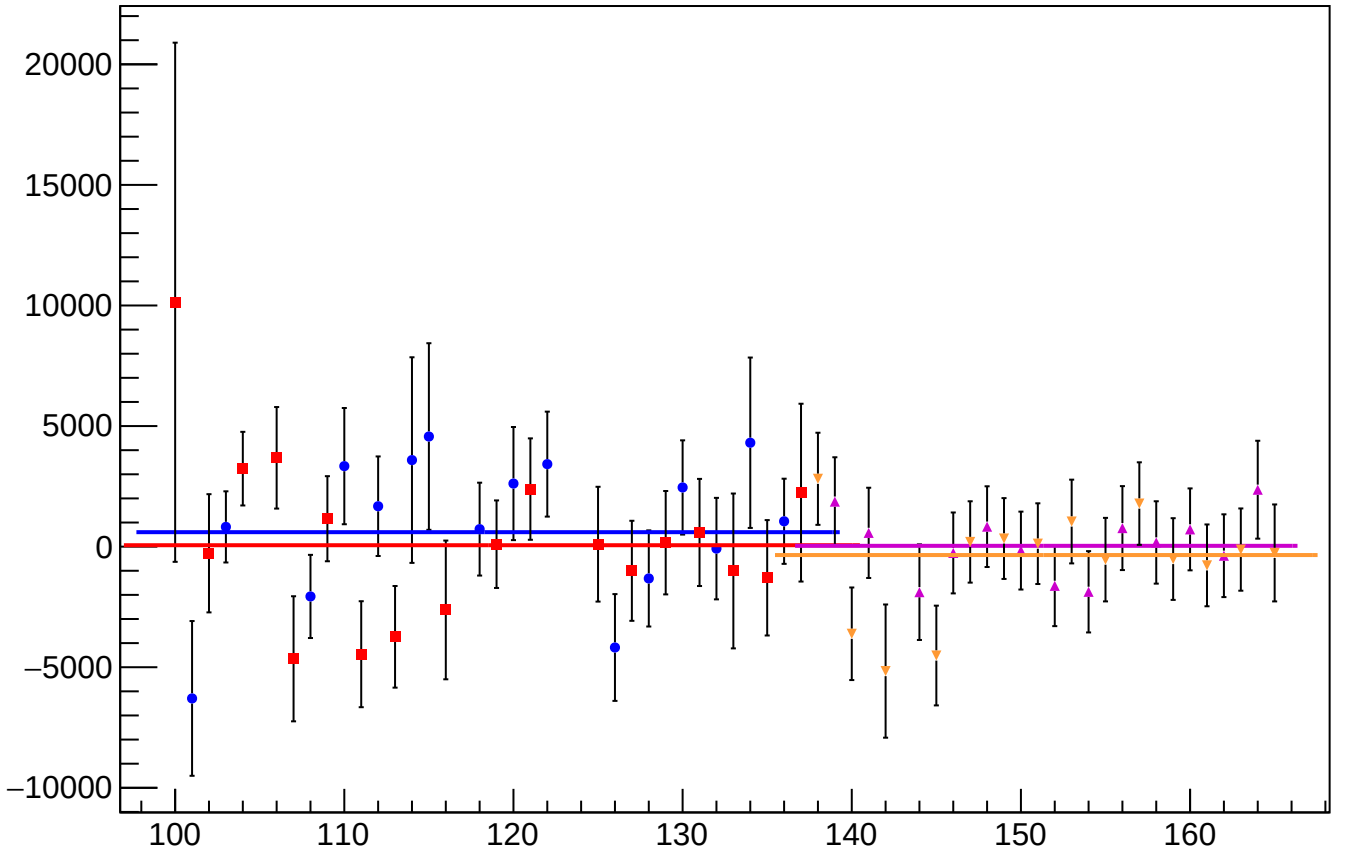
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.0/28

Out: 0.000+/-0.000 χ^2/NDF:23.3/31

All: 0.000+/-0.000 χ^2/NDF: 61.5/60


asym_us_dd_at2lr_dd_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:941960.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1195425.1/12
Left: 0.000+/-0.000 χ²/NDF: 2152737.9/26
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6048774.7/28
Out: 0.000+/-0.000 χ²/NDF:6088117.5/31
All: 0.000+/-0.000 χ²/NDF: 12140657.4/60



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -348.527+/-483.970 χ^2/NDF:15.4/13

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 33.984+/-485.473 χ^2/NDF:6.3/12

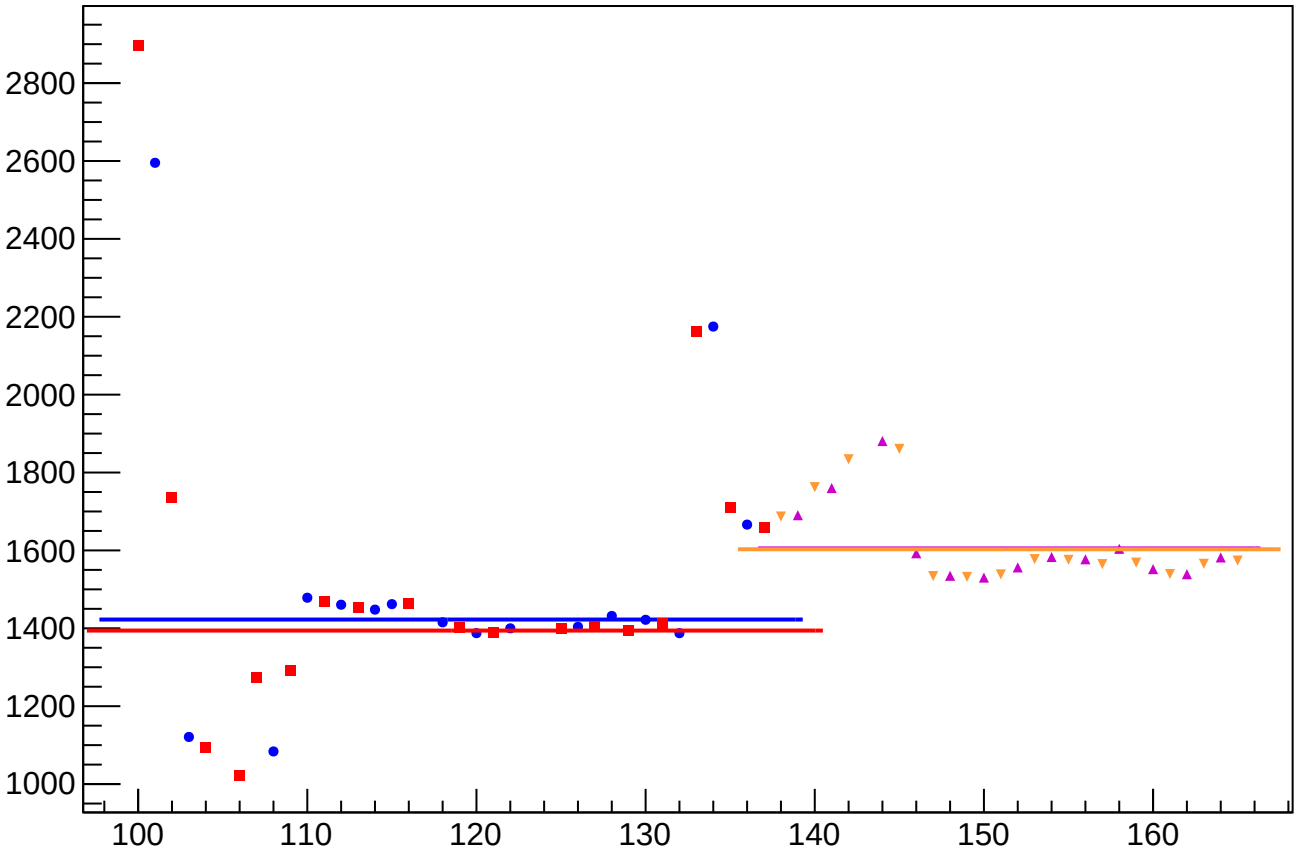
Left: -157.865+/-342.748 χ^2/NDF: 22.0/26

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 287.018+/-361.040 χ^2/NDF:27.2/28

Out: -163.263+/-357.449 χ^2/NDF:38.2/31

All: 59.627+/-254.015 χ^2/NDF: 66.2/60



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

Left: 1604.064+/-0.242 χ^2/NDF: 151999.2/26

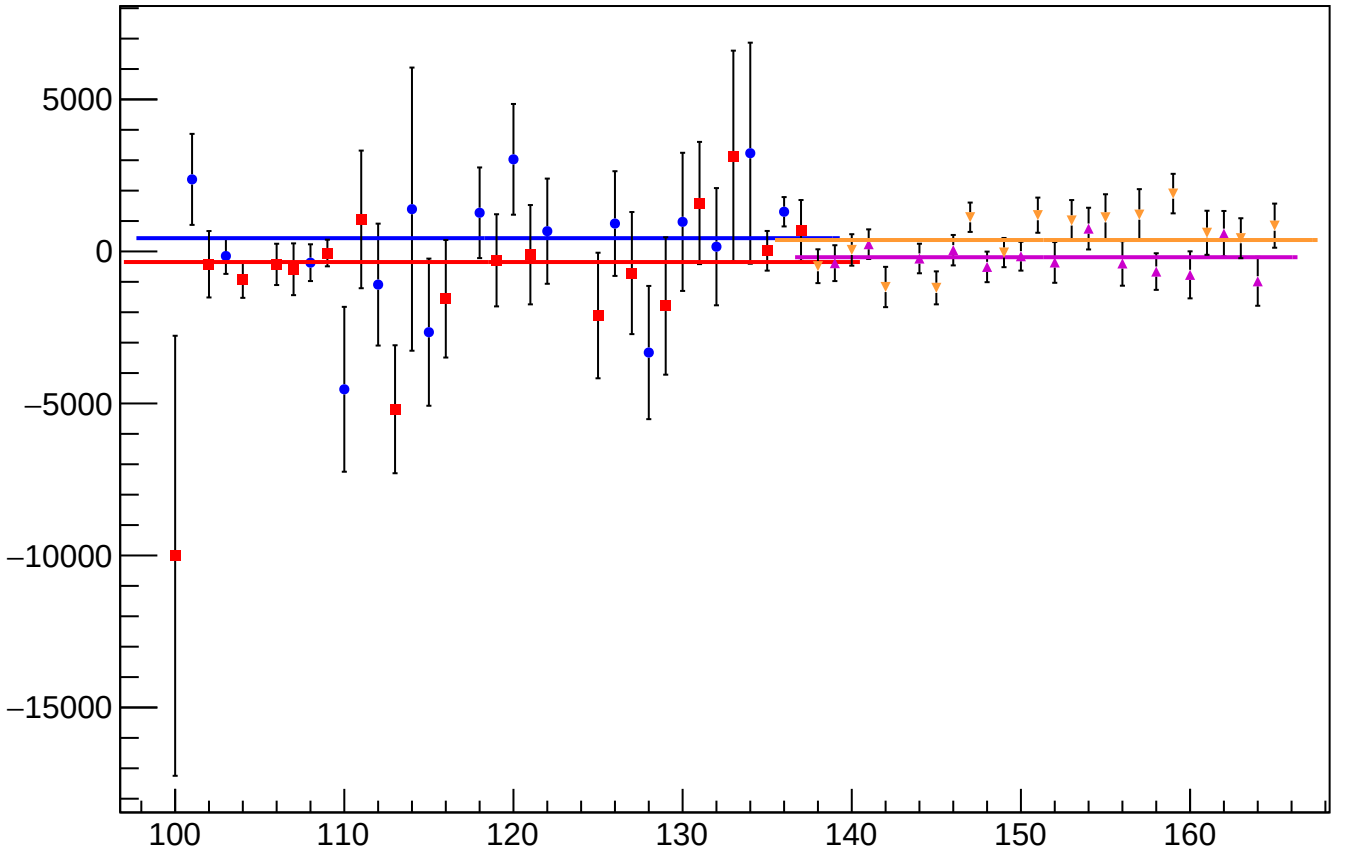
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1523.552+/-0.255 χ^2/NDF:759250.9/28

Out: 1508.051+/-0.253 χ^2/NDF:642367.8/31

All: 1515.724+/-0.180 χ^2/NDF: 1403480.5/60

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: 375.658+/-161.975 χ^2/NDF:30.7/13

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -190.009+/-162.873 χ^2/NDF:6.8/12

Left: 94.388+/-114.850 χ^2/NDF: 43.5/26

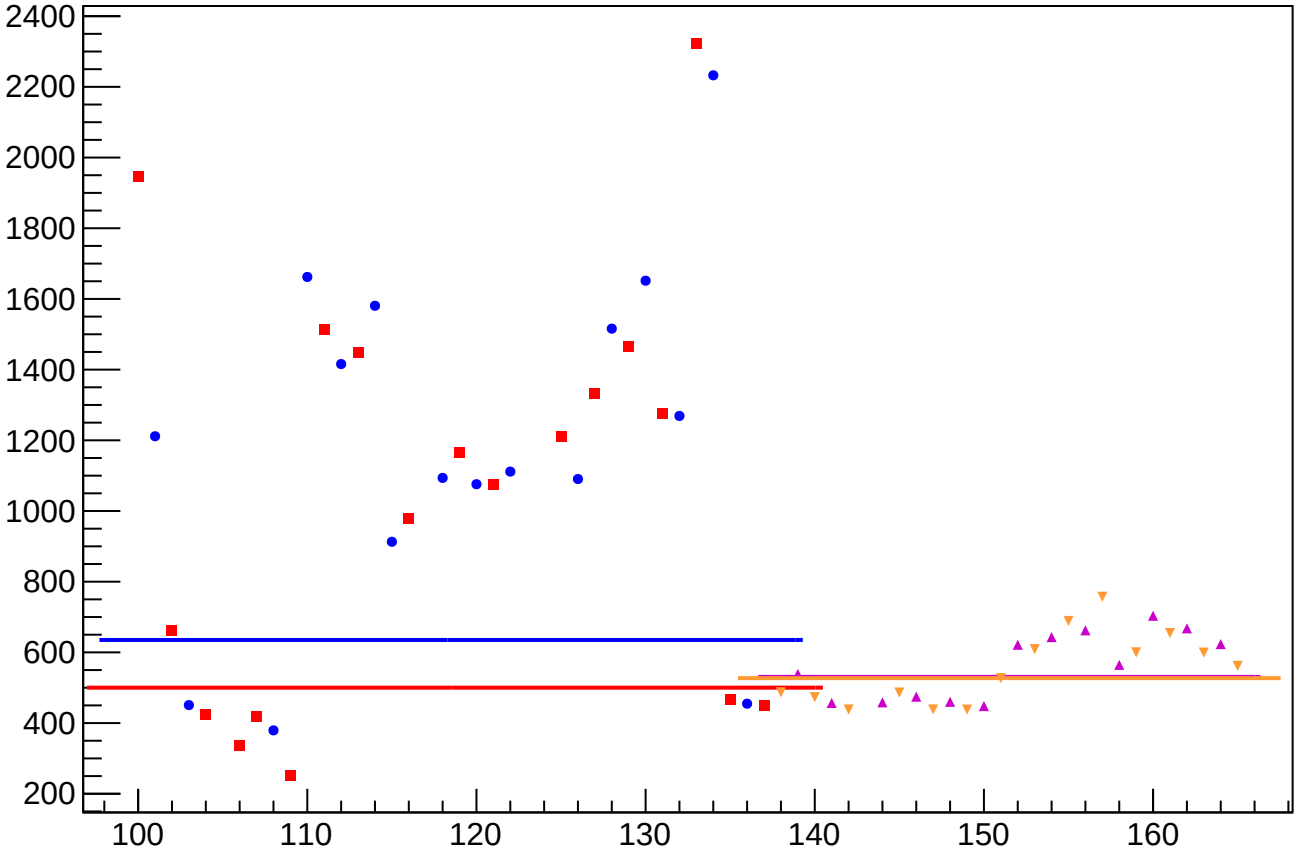
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -28.111+/-140.259 χ^2/NDF:29.9/28

Out: 140.711+/-133.134 χ^2/NDF:51.1/31

All: 60.697+/-96.561 χ^2/NDF: 81.8/60

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 527.138+/-0.115 χ^2/NDF:602680.3/13

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 530.639+/-0.115 χ^2/NDF:571198.1/12

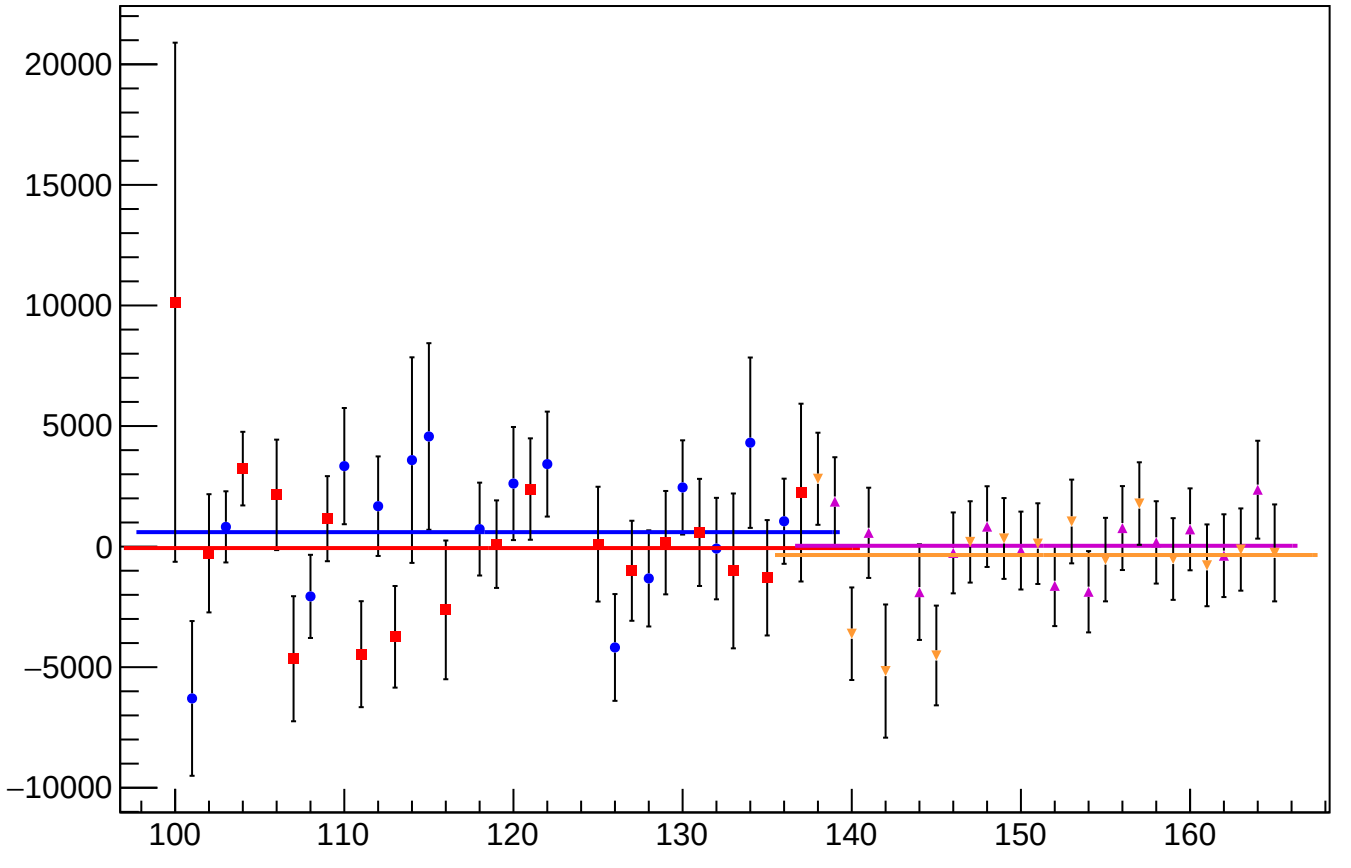
Left: 528.879+/-0.081 χ^2/NDF: 1174343.1/26

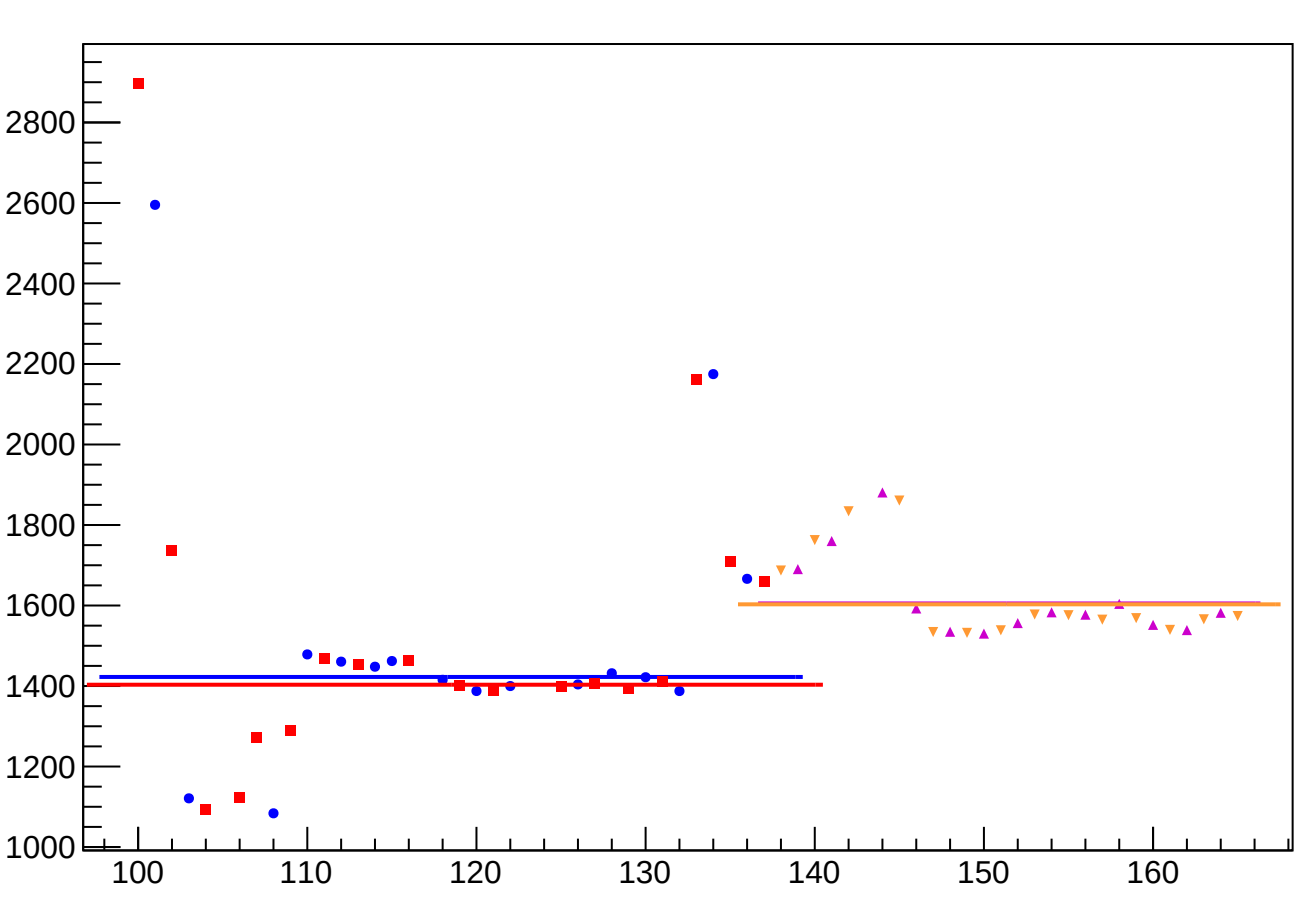
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 557.642+/-0.099 χ^2/NDF:4536513.6/28

Out: 518.409+/-0.094 χ^2/NDF:4929677.1/31

All: 537.004+/-0.068 χ^2/NDF: 9548507.6/60


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
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -348.665+/-483.970 χ²/NDF:15.4/13
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 33.959+/-485.473 χ²/NDF:6.3/12
Left: -157.946+/-342.748 χ²/NDF: 22.0/26
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 286.947+/-361.040 χ²/NDF:27.2/28
Out: -218.334+/-358.248 χ²/NDF:35.9/31
All: 32.346+/-254.301 χ²/NDF: 64.1/60



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

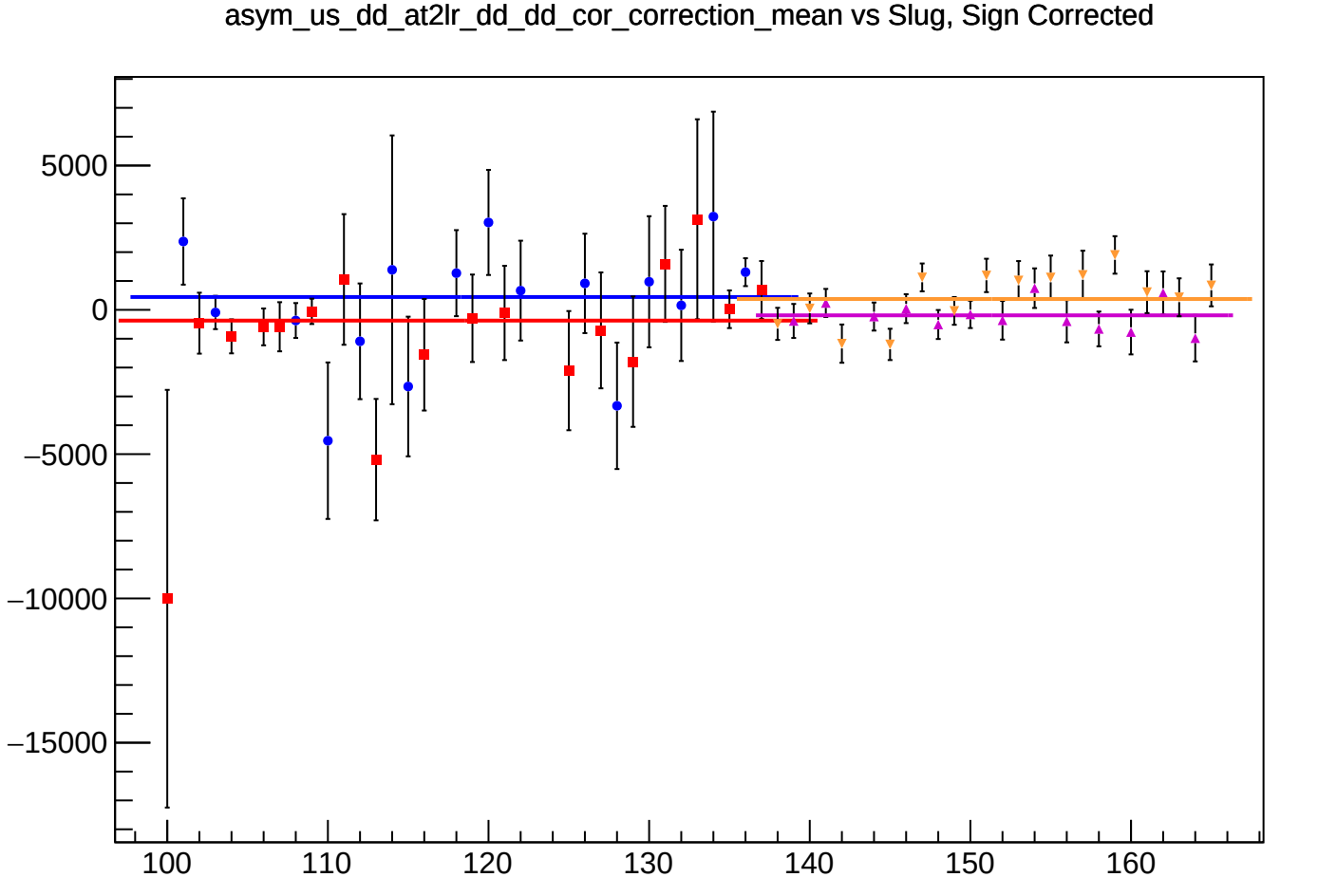
Left: 1604.064+/-0.242 χ^2/NDF: 151999.2/26

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

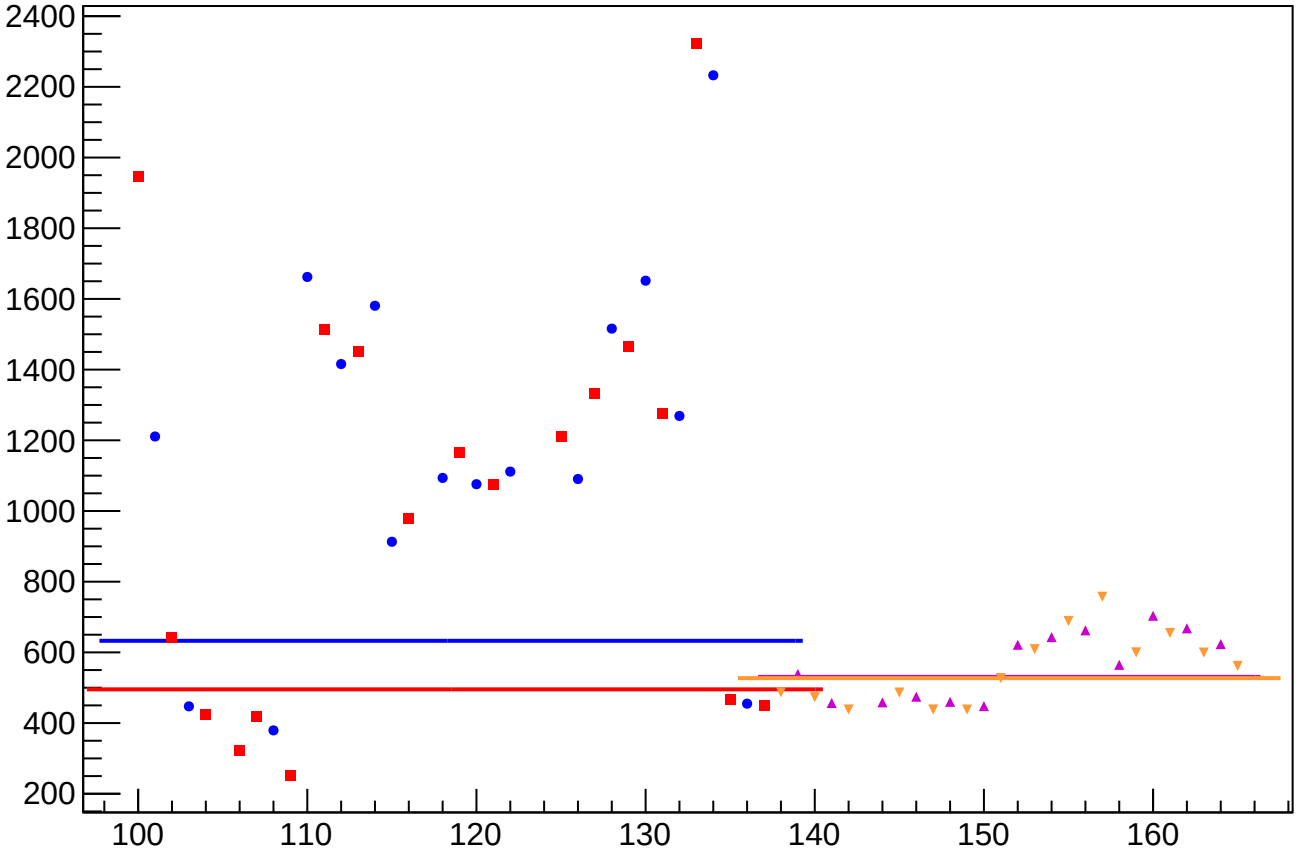
In: 1523.552+/-0.255 χ^2/NDF:759251.3/28

Out: 1512.652+/-0.253 χ^2/NDF:592637.9/31

All: 1518.060+/-0.180 χ^2/NDF: 1352807.8/60


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 375.699+/-161.977 χ²/NDF:30.7/13
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -190.073+/-162.872 χ²/NDF:6.7/12
Left: 94.370+/-114.850 χ²/NDF: 43.5/26
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: -24.890+/-140.103 χ²/NDF:29.9/28
Out: 129.573+/-132.689 χ²/NDF:51.7/31
All: 56.536+/-96.340 χ²/NDF: 82.3/60

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: 527.145+/-0.115 χ^2/NDF:602570.1/13

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

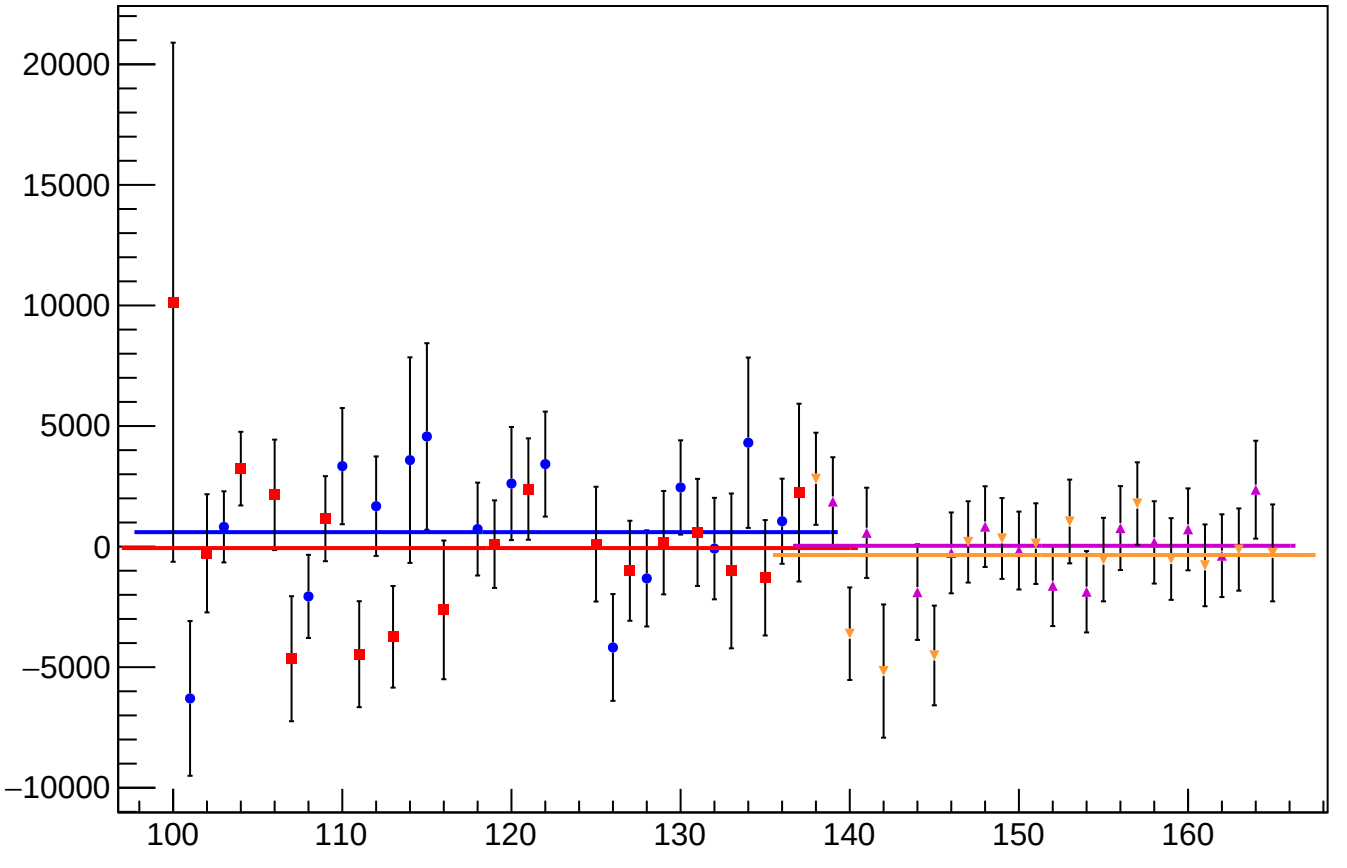
Left: 528.879+/-0.081 χ^2/NDF: 1174265.4/26

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 557.189+/-0.099 χ^2/NDF:4543431.3/28

Out: 516.696+/-0.094 χ^2/NDF:4965356.6/31

All: 535.843+/-0.068 χ^2/NDF: 9596858.1/60



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -348.665+/-483.970 χ^2/NDF:15.4/13

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 33.959+/-485.473 χ^2/NDF:6.3/12

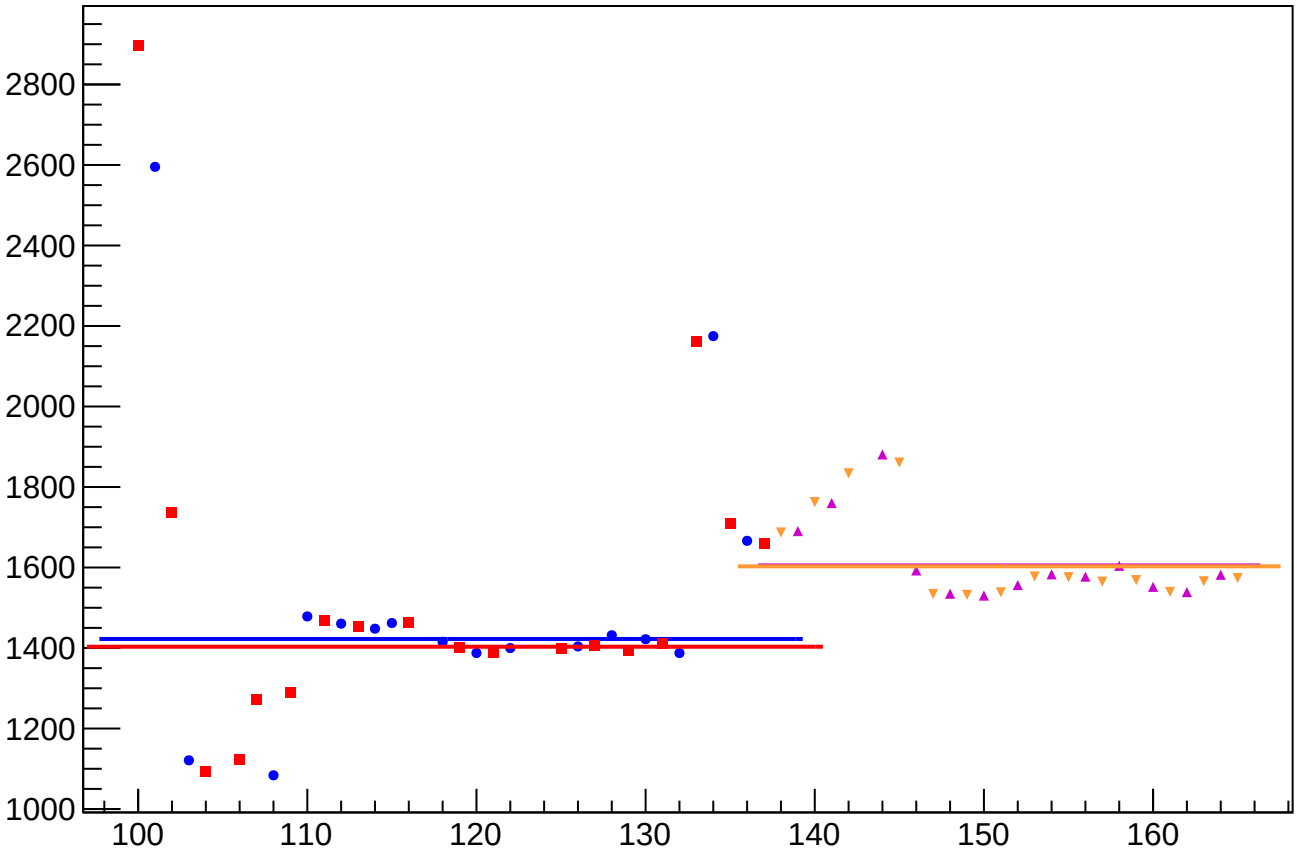
Left: -157.946+/-342.748 χ^2/NDF: 22.0/26

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 286.947+/-361.040 χ^2/NDF:27.2/28

Out: -218.334+/-358.248 χ^2/NDF:35.9/31

All: 32.346+/-254.301 χ^2/NDF: 64.1/60



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

Left: 1604.064+/-0.242 χ^2/NDF: 151999.2/26

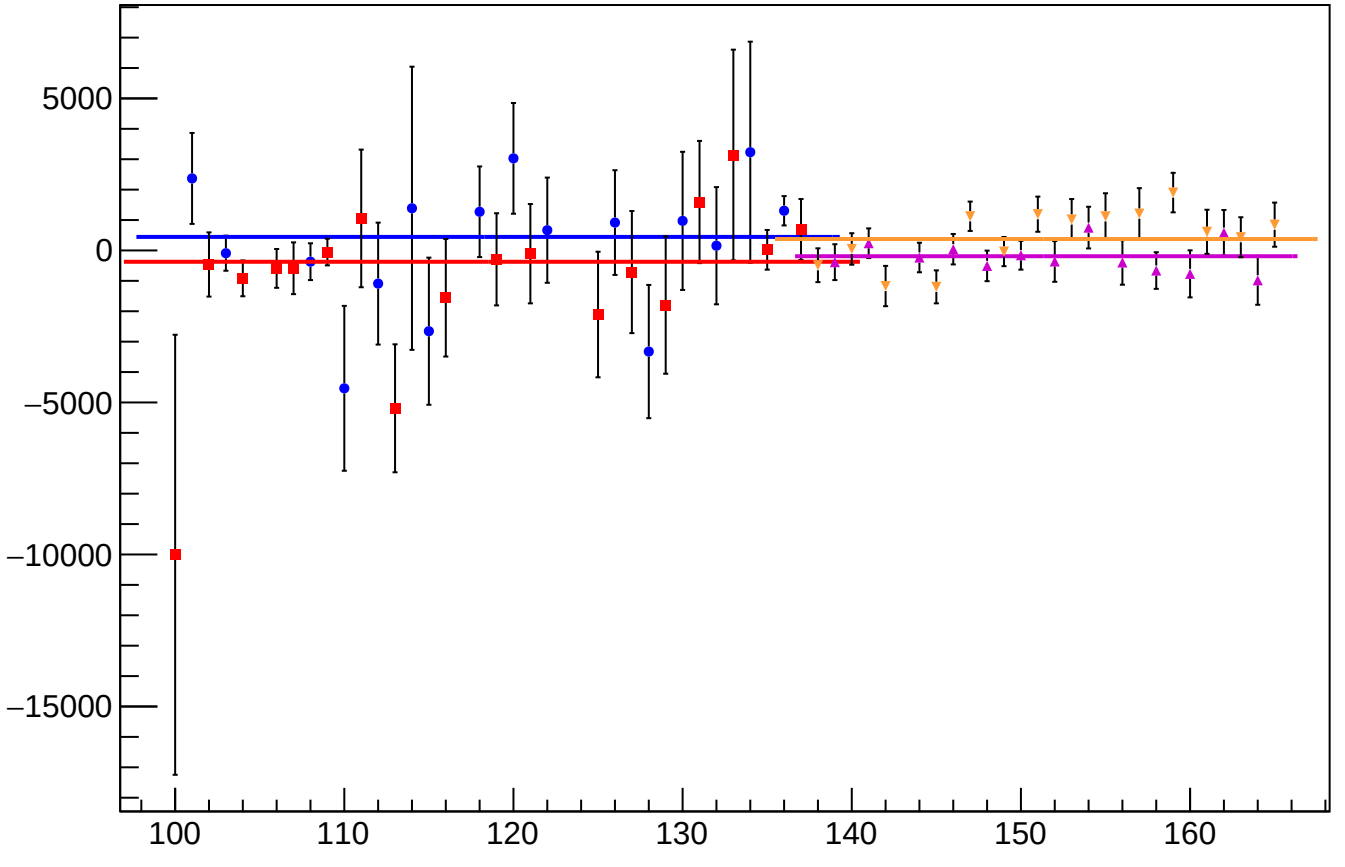
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1523.552+/-0.255 χ^2/NDF:759251.3/28

Out: 1512.652+/-0.253 χ^2/NDF:592637.9/31

All: 1518.060+/-0.180 χ^2/NDF: 1352807.8/60

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: 375.699+/-161.977 χ^2/NDF:30.7/13

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -190.073+/-162.872 χ^2/NDF:6.7/12

Left: 94.370+/-114.850 χ^2/NDF: 43.5/26

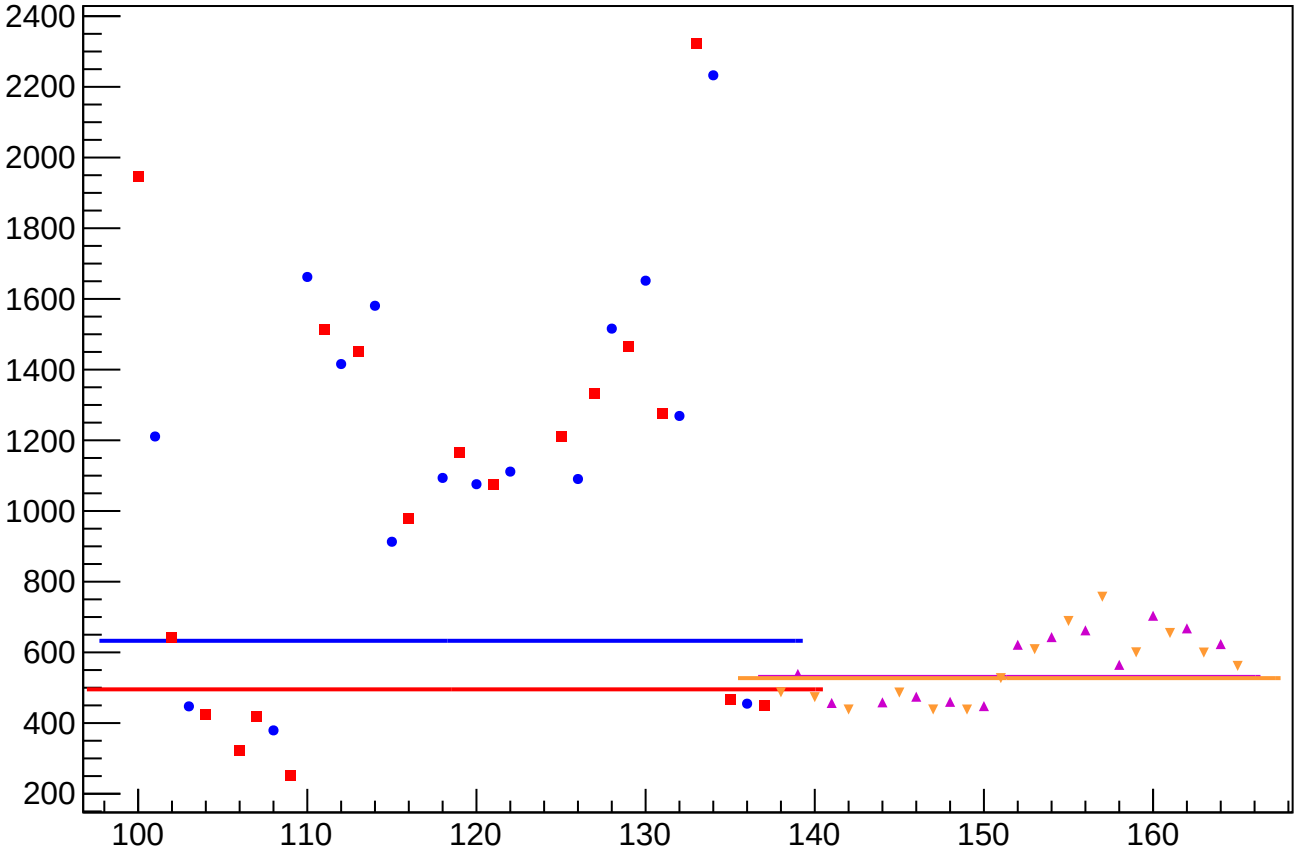
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -24.890+/-140.103 χ^2/NDF:29.9/28

Out: 129.573+/-132.689 χ^2/NDF:51.7/31

All: 56.536+/-96.340 χ^2/NDF: 82.3/60

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 527.145+/-0.115 χ^2/NDF:602570.1/13

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

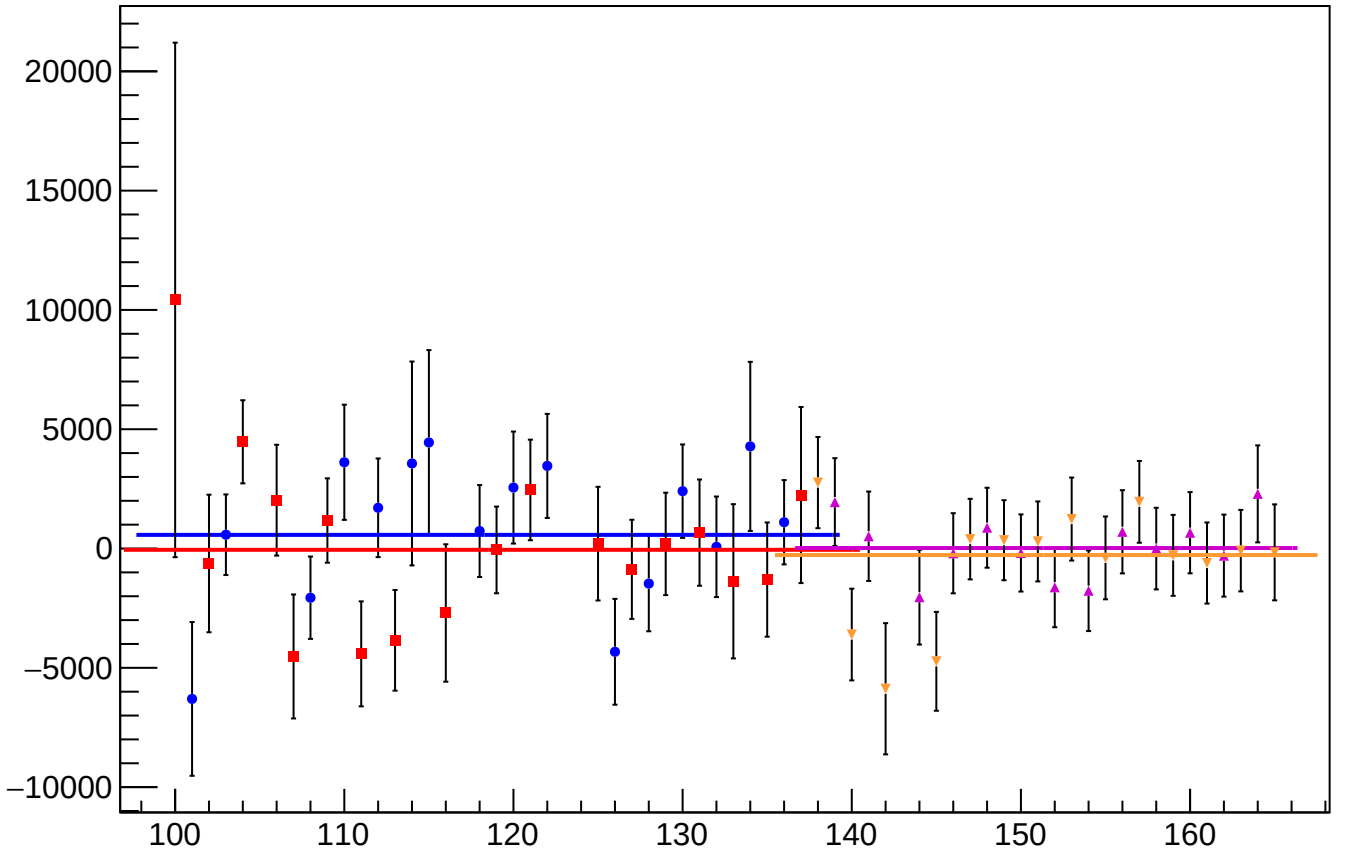
Left: 528.879+/-0.081 χ^2/NDF: 1174265.4/26

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 557.189+/-0.099 χ^2/NDF:4543431.3/28

Out: 516.696+/-0.094 χ^2/NDF:4965356.6/31

All: 535.843+/-0.068 χ^2/NDF: 9596858.1/60



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -273.675+/-484.565 χ^2/NDF:17.2/13

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 20.900+/-486.208 χ^2/NDF:6.2/12

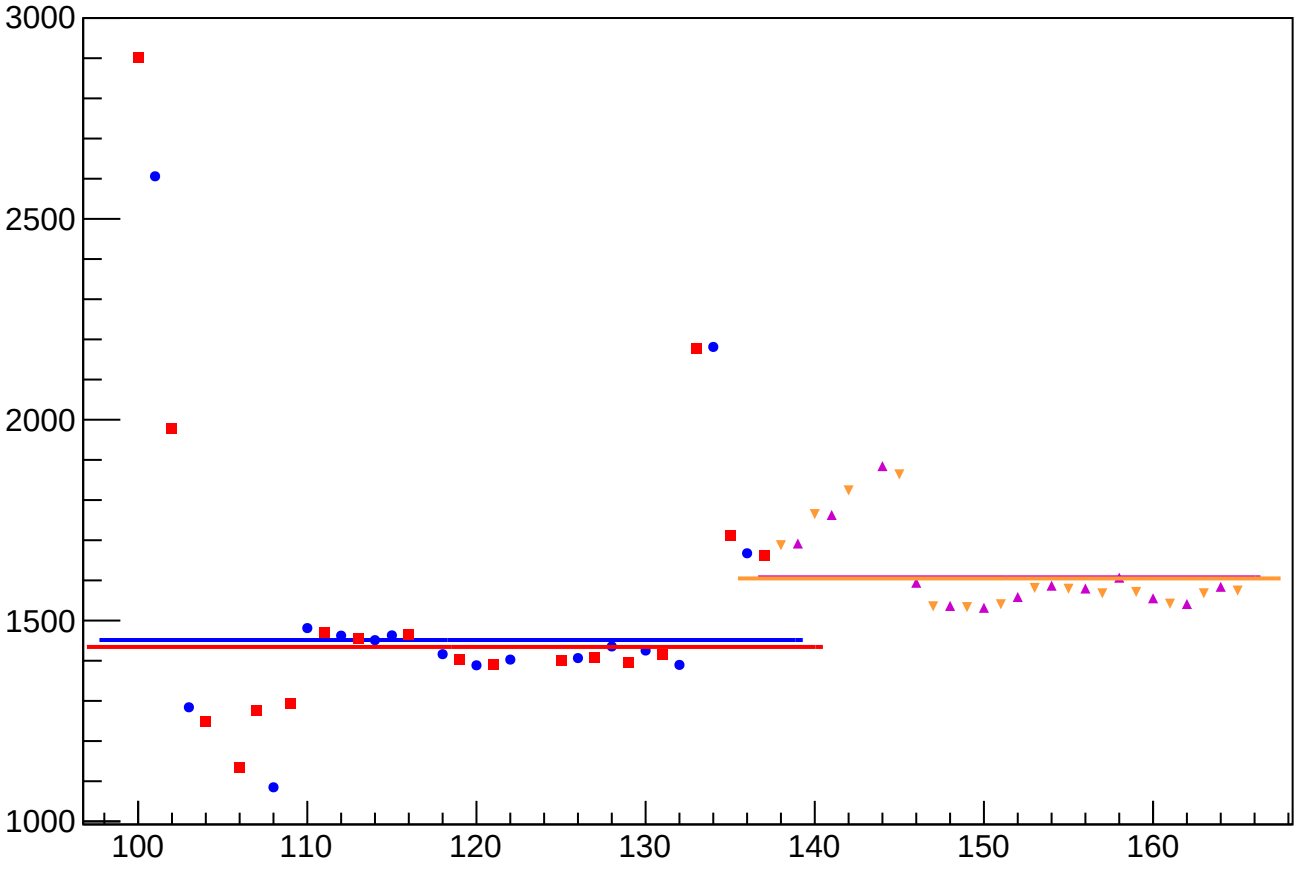
Left: -126.886+/-343.218 χ^2/NDF: 23.6/26

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 262.956+/-364.171 χ^2/NDF:27.5/28

Out: -176.650+/-362.232 χ^2/NDF:39.8/31

All: 41.980+/-256.820 χ^2/NDF: 68.1/60



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1604.879+/-0.343 χ^2/NDF:78220.7/13

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.0/12

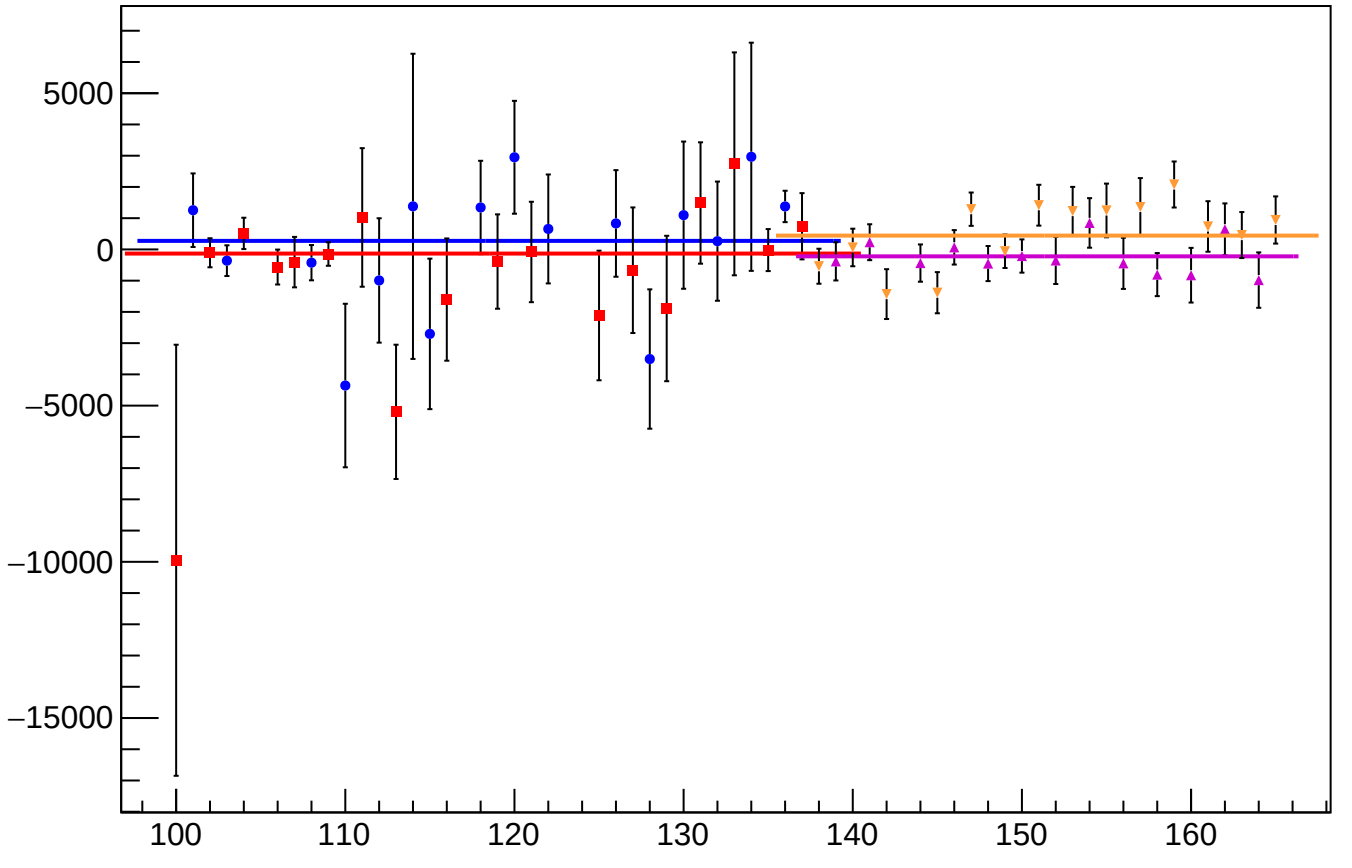
Left: 1606.242+/-0.243 χ^2/NDF: 150819.5/26

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1539.116+/-0.258 χ^2/NDF:650829.4/28

Out: 1529.631+/-0.256 χ^2/NDF:516127.8/31

All: 1534.348+/-0.182 χ^2/NDF: 1167639.1/60



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 442.515+/-181.601 χ^2/NDF:30.7/13

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -221.453+/-184.110 χ^2/NDF:6.2/12

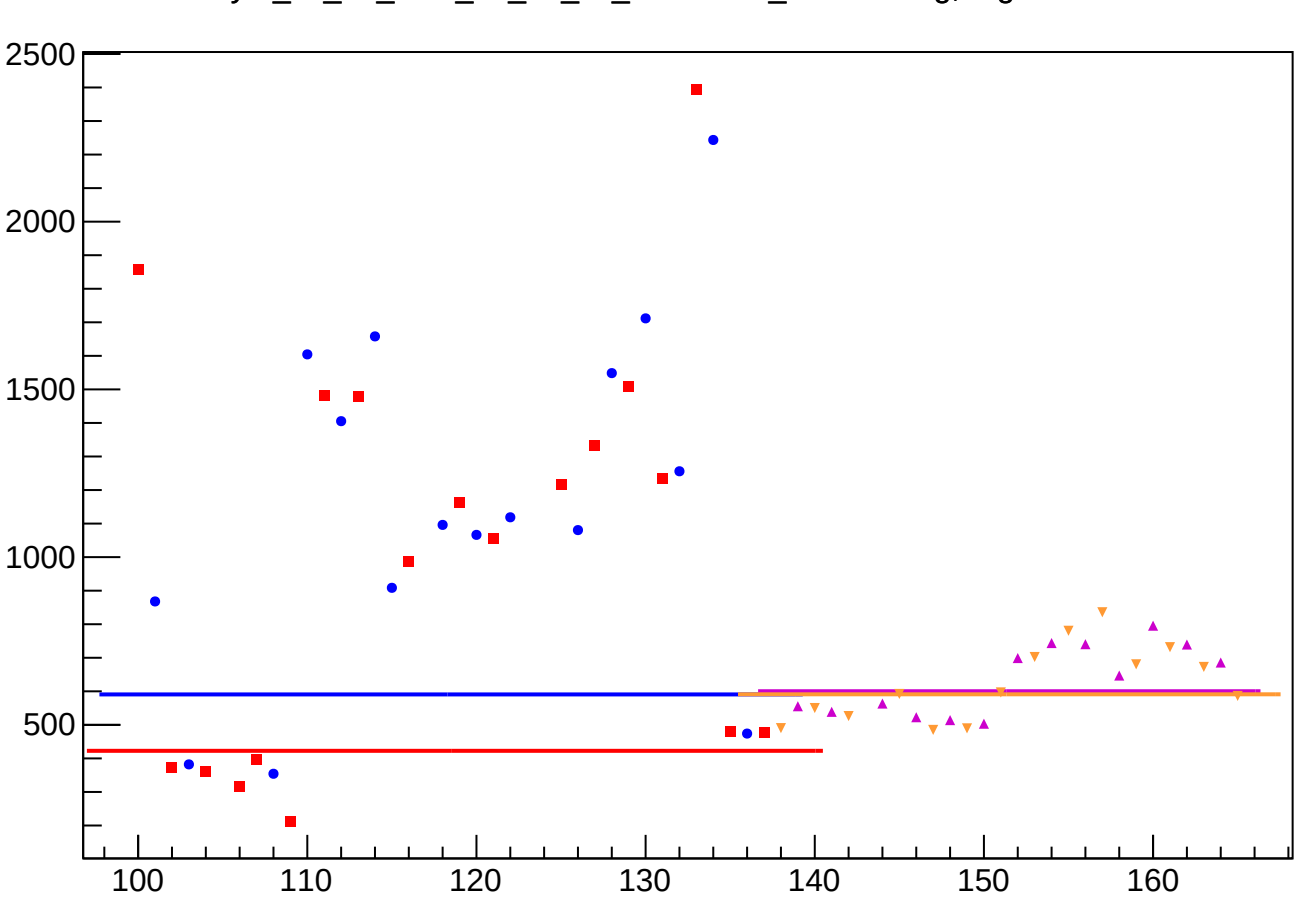
Left: 115.086+/-129.290 χ^2/NDF: 43.5/26

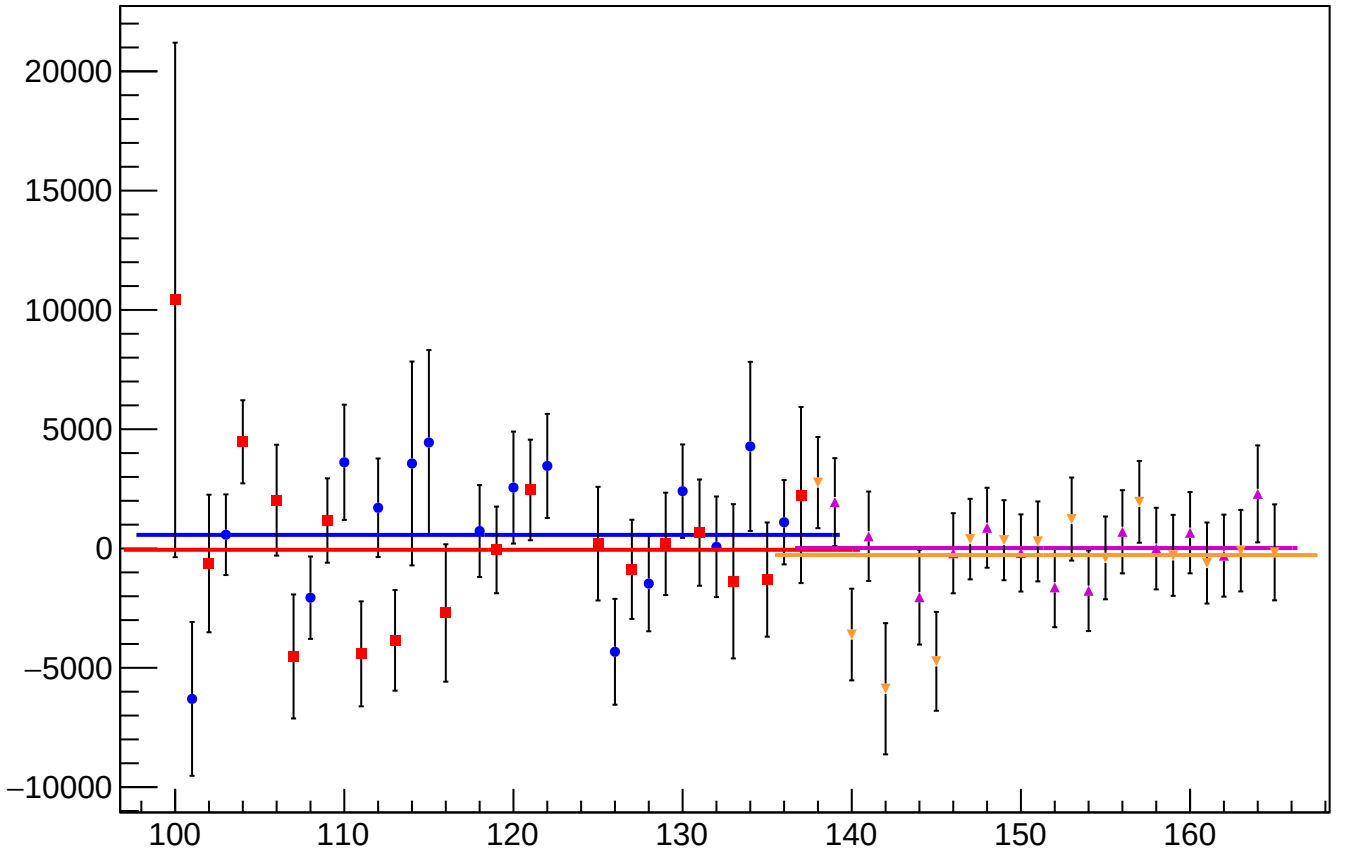
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -56.628+/-150.357 χ^2/NDF:28.8/28

Out: 176.771+/-133.190 χ^2/NDF:49.7/31

All: 74.150+/-99.699 χ^2/NDF: 79.9/60


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 590.749+/-0.184 χ²/NDF: 3885502.1/15
Left Out: 591.117+/-0.128 χ²/NDF:630687.2/13
Right Out: 422.629+/-0.139 χ²/NDF: 4858014.6/17
Left In: 600.253+/-0.130 χ²/NDF:536772.4/12
Left: 595.622+/-0.091 χ²/NDF: 1169955.6/26
Right: 483.362+/-0.111 χ²/NDF: 9275456.5/33
In: 597.087+/-0.106 χ²/NDF:4424049.3/28
Out: 513.260+/-0.094 χ²/NDF:6284236.3/31
All: 550.117+/-0.070 χ²/NDF: 11056617.6/60



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -273.682+/-484.565 χ^2/NDF:17.2/13

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 20.901+/-486.208 χ^2/NDF:6.2/12

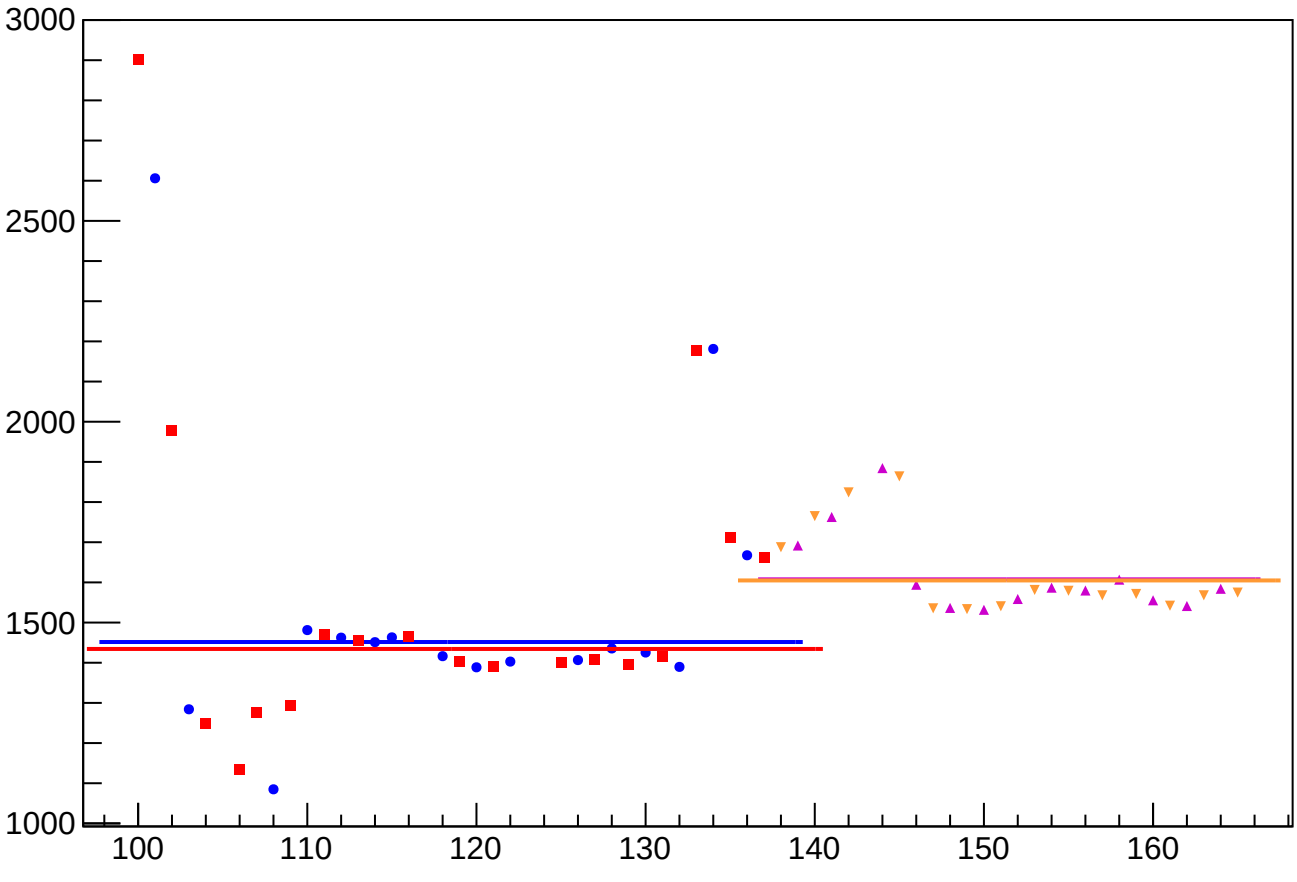
Left: -126.889+/-343.218 χ^2/NDF: 23.6/26

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 262.957+/-364.171 χ^2/NDF:27.5/28

Out: -176.653+/-362.232 χ^2/NDF:39.8/31

All: 41.979+/-256.820 χ^2/NDF: 68.1/60



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1604.879+/-0.343 χ^2/NDF:78220.8/13

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.2/12

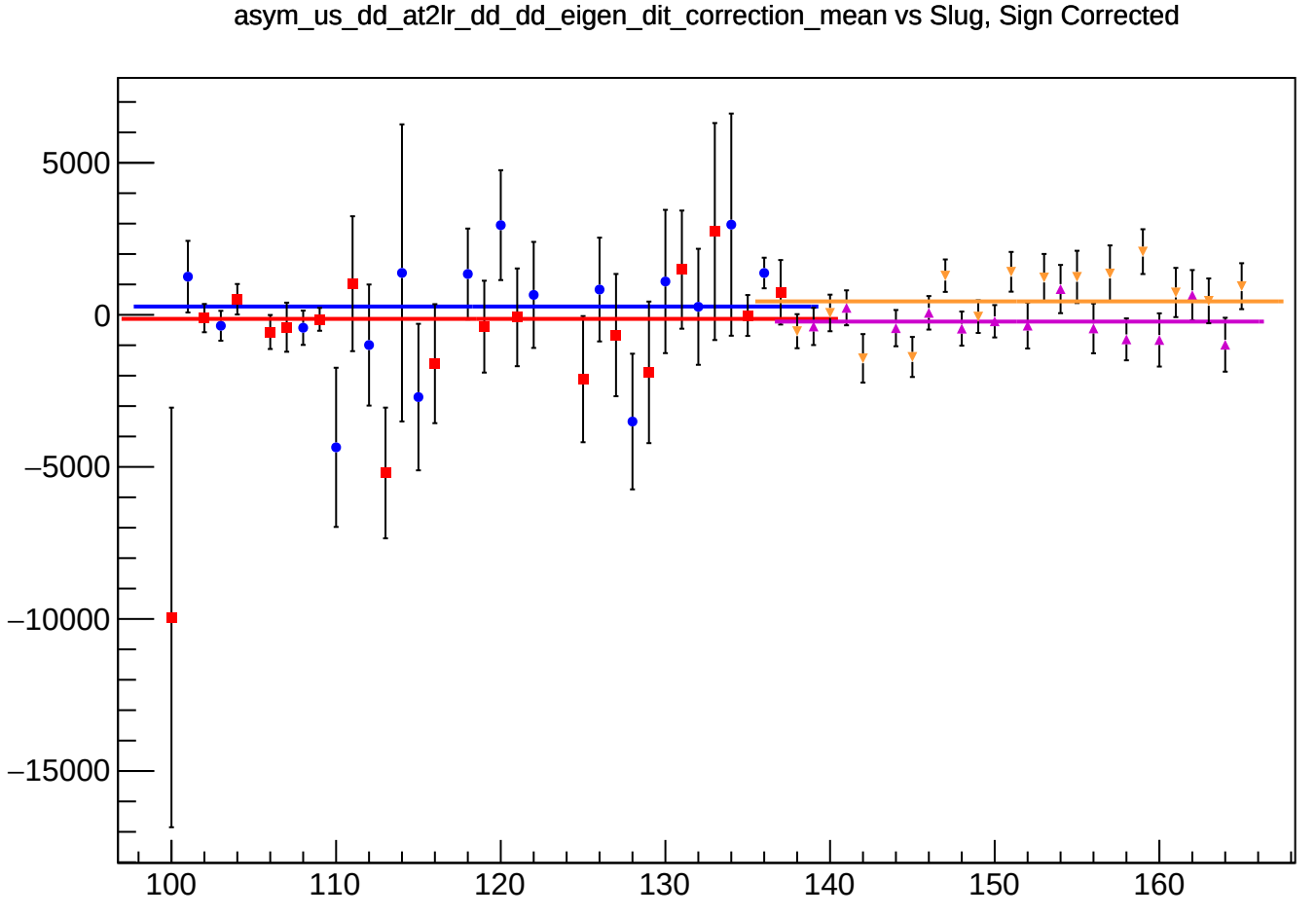
Left: 1606.242+/-0.243 χ^2/NDF: 150819.8/26

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1539.116+/-0.258 χ^2/NDF:650829.1/28

Out: 1529.631+/-0.256 χ^2/NDF:516128.2/31

All: 1534.348+/-0.182 χ^2/NDF: 1167639.2/60



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 442.522+/-181.602 χ^2/NDF:30.7/13

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -221.455+/-184.111 χ^2/NDF:6.2/12

Left: 115.088+/-129.290 χ^2/NDF: 43.5/26

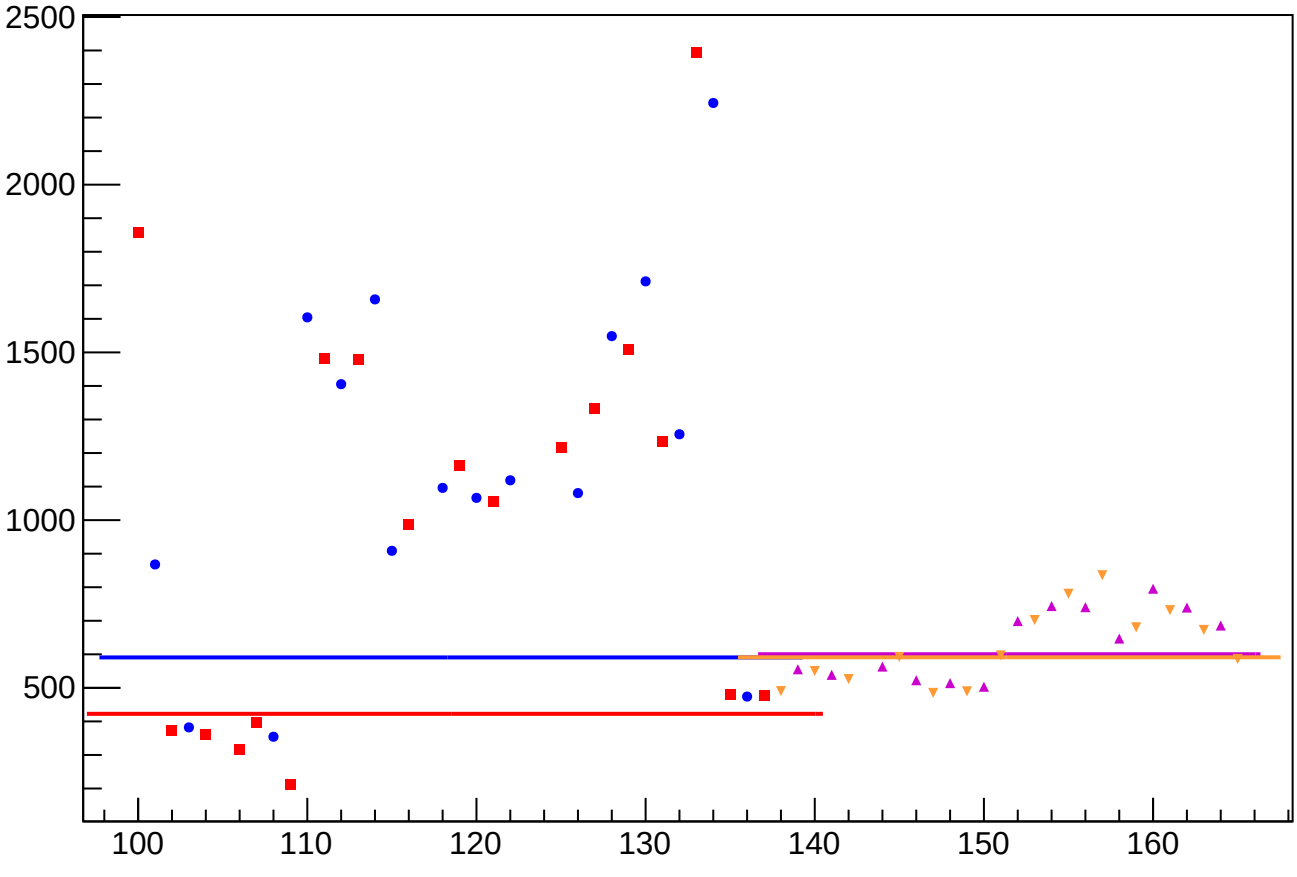
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -56.632+/-150.357 χ^2/NDF:28.8/28

Out: 176.779+/-133.191 χ^2/NDF:49.7/31

All: 74.152+/-99.700 χ^2/NDF: 79.9/60

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 591.120+/-0.128 χ^2/NDF:630667.6/13

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 600.253+/-0.130 χ^2/NDF:536788.3/12

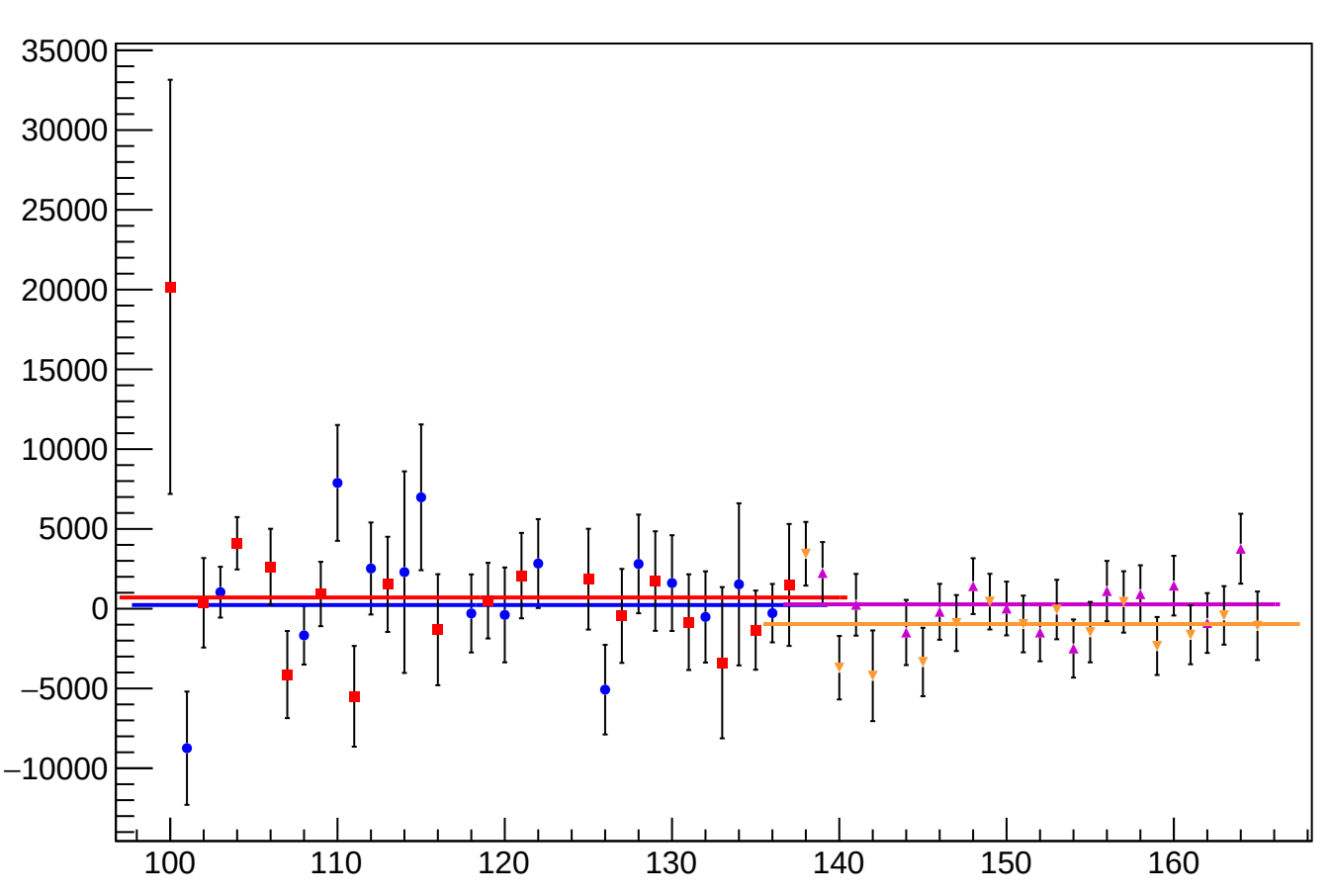
Left: 595.624+/-0.091 χ^2/NDF: 1169950.8/26

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 597.087+/-0.106 χ^2/NDF:4424094.8/28

Out: 513.264+/-0.094 χ^2/NDF:6284099.7/31

All: 550.120+/-0.070 χ^2/NDF: 11056487.2/60



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -961.466+/-515.597 χ^2/NDF:11.6/13

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 274.410+/-516.393 χ^2/NDF:9.2/12

Left: -344.482+/-364.863 χ^2/NDF: 23.6/26

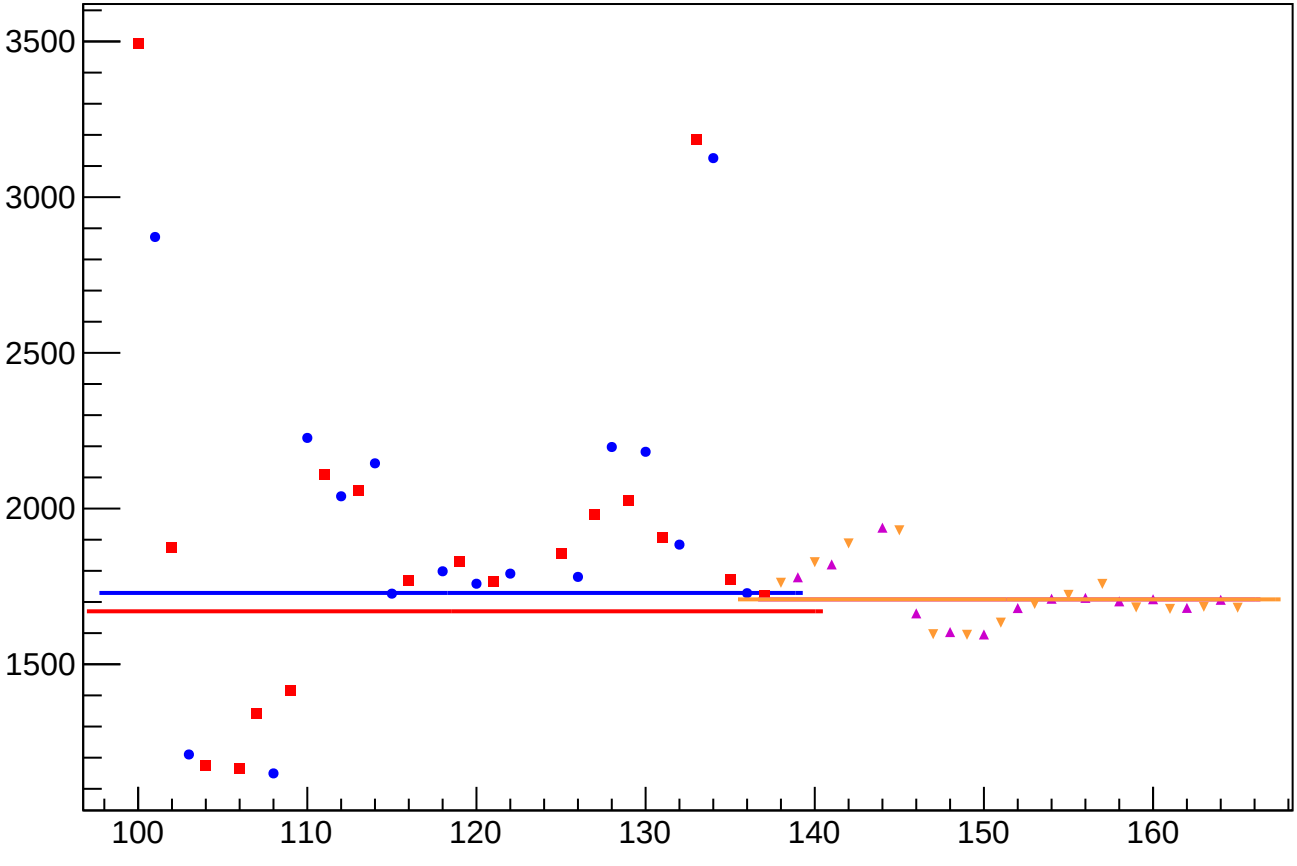
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 258.029+/-408.148 χ^2/NDF:29.9/28

Out: -316.881+/-403.540 χ^2/NDF:32.6/31

All: -32.690+/-286.961 χ^2/NDF: 63.6/60

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: 1708.383+/-0.365 χ^2/NDF:61344.6/13

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1708.150+/-0.365 χ^2/NDF:53232.1/12

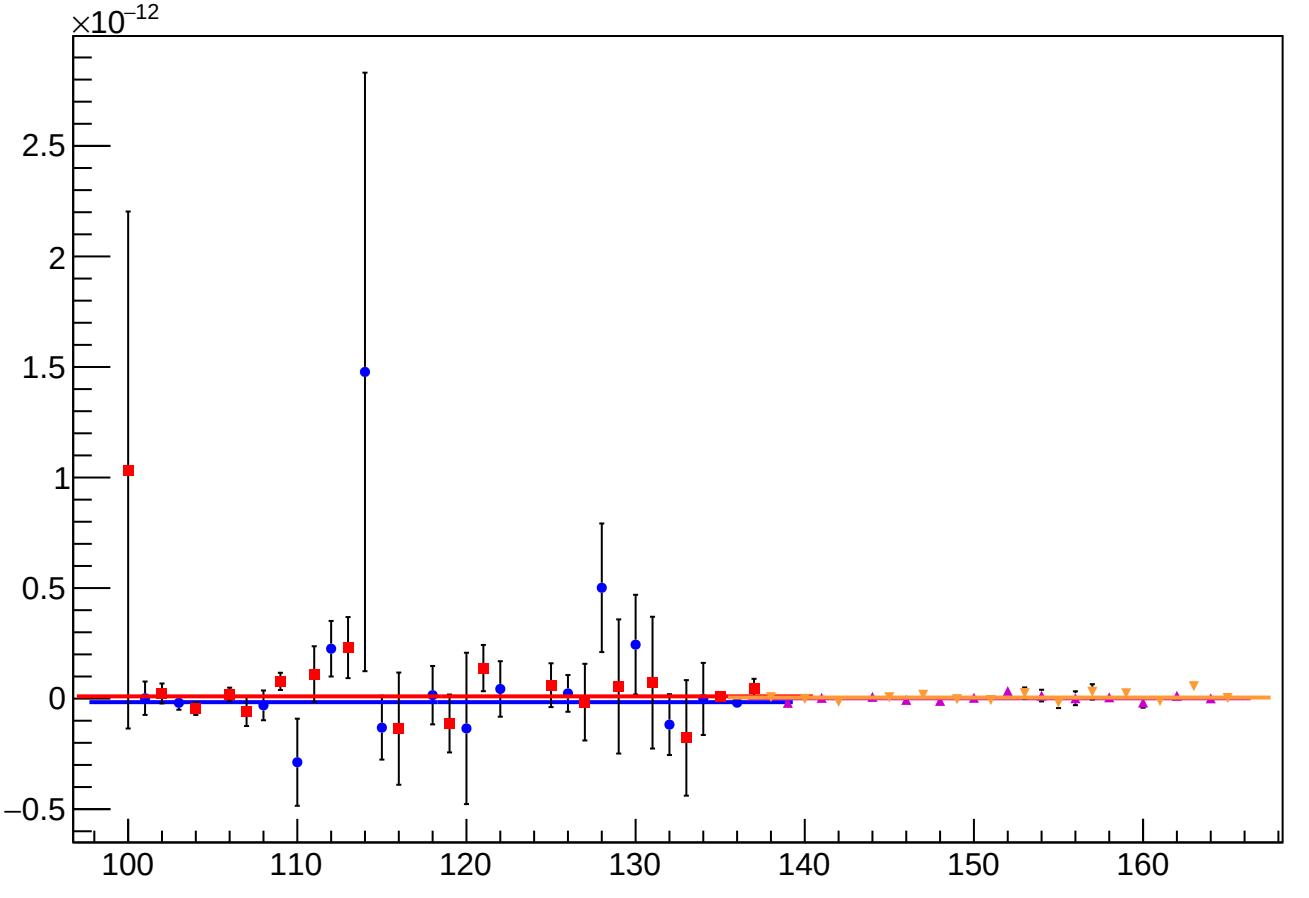
Left: 1708.267+/-0.258 χ^2/NDF: 114576.8/26

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1715.994+/-0.289 χ^2/NDF:996540.6/28

Out: 1693.534+/-0.285 χ^2/NDF:810078.2/31

All: 1704.636+/-0.203 χ^2/NDF: 1809681.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:6.8/12

Left: 0.000+/-0.000 χ^2/NDF: 19.4/26

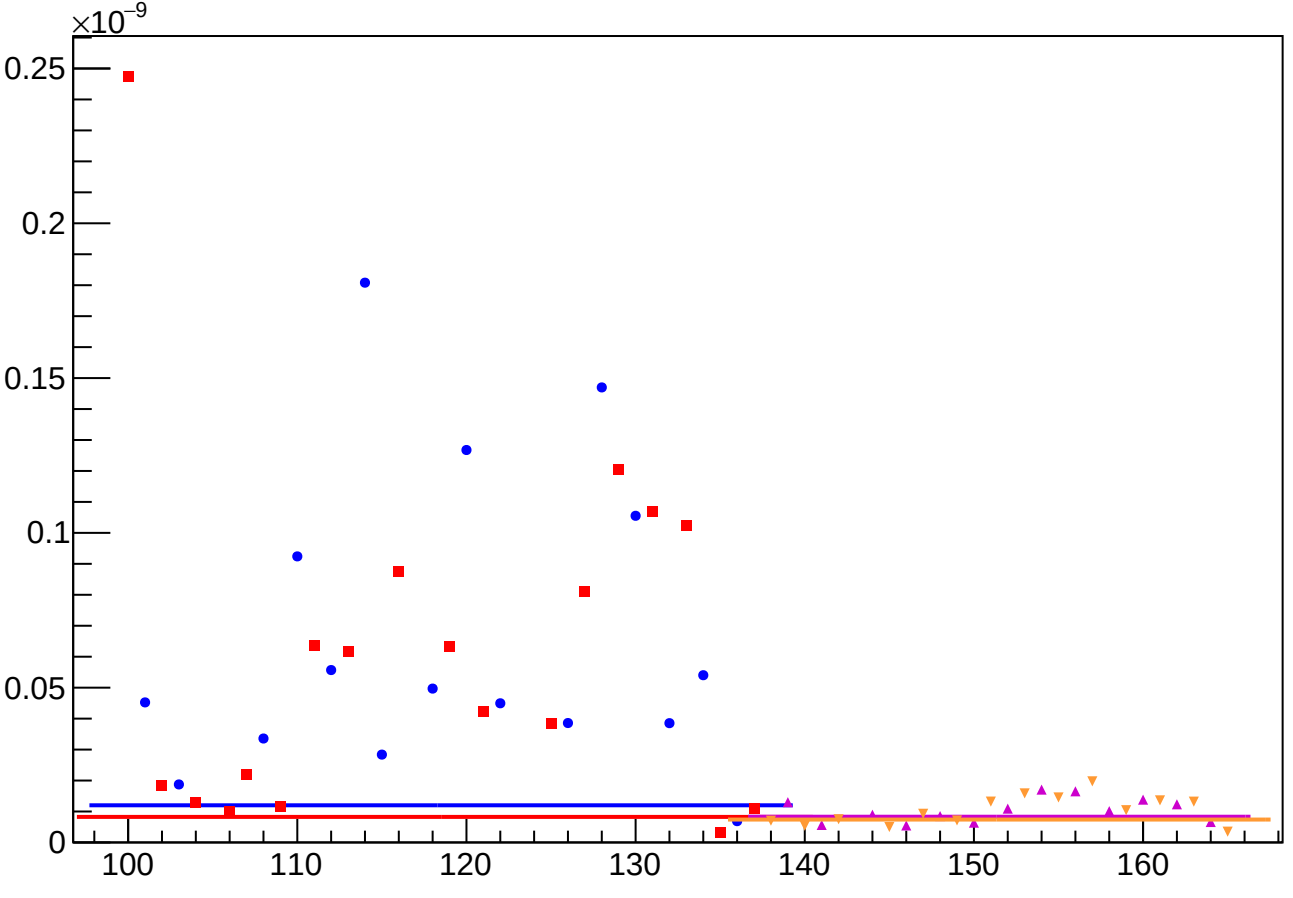
Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:22.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.0/31

All: 0.000+/-0.000 χ^2/NDF: 53.2/60

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1724905.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1108016.3/12

Left: 0.000+/-0.000 χ^2/NDF: 2883650.5/26

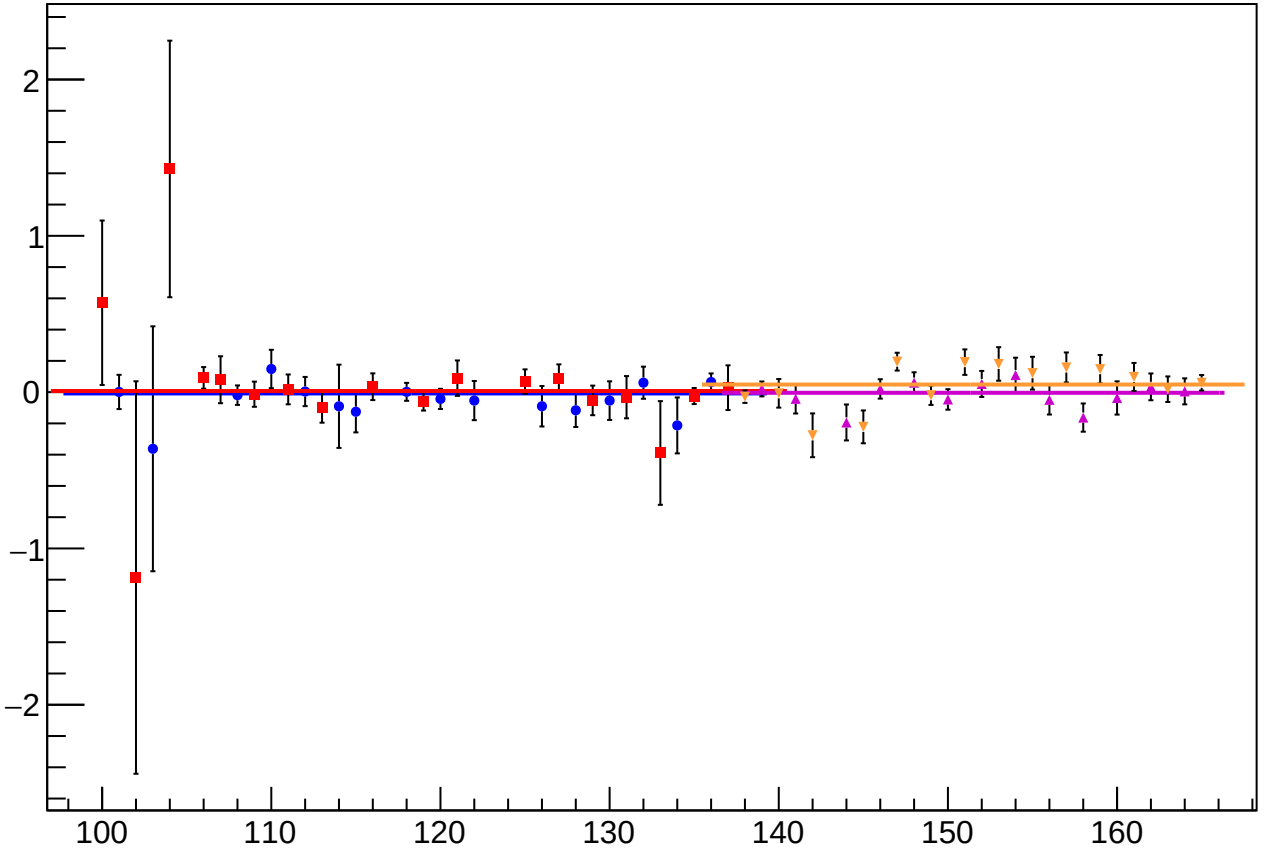
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4756225.0/28

Out: 0.000+/-0.000 χ^2/NDF:5251259.6/31

All: 0.000+/-0.000 χ^2/NDF: 10128170.5/60

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: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.025+/-0.014 χ^2/NDF: 45.2/26

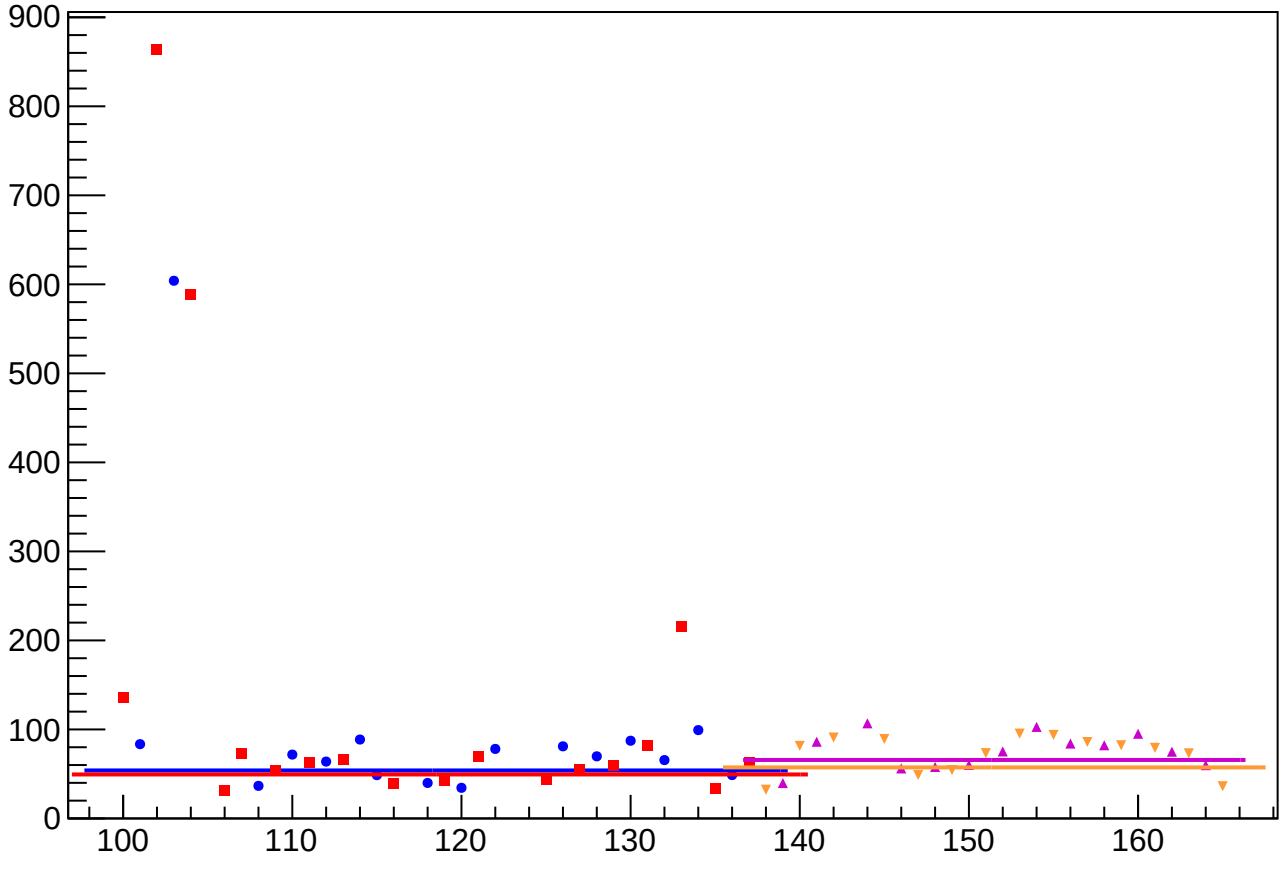
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.011 χ^2/NDF: 68.8/60

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: 57.351+/-0.014 χ^2/NDF:2733232.3/13

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

Left: 61.085+/-0.010 χ^2/NDF: 4514495.3/26

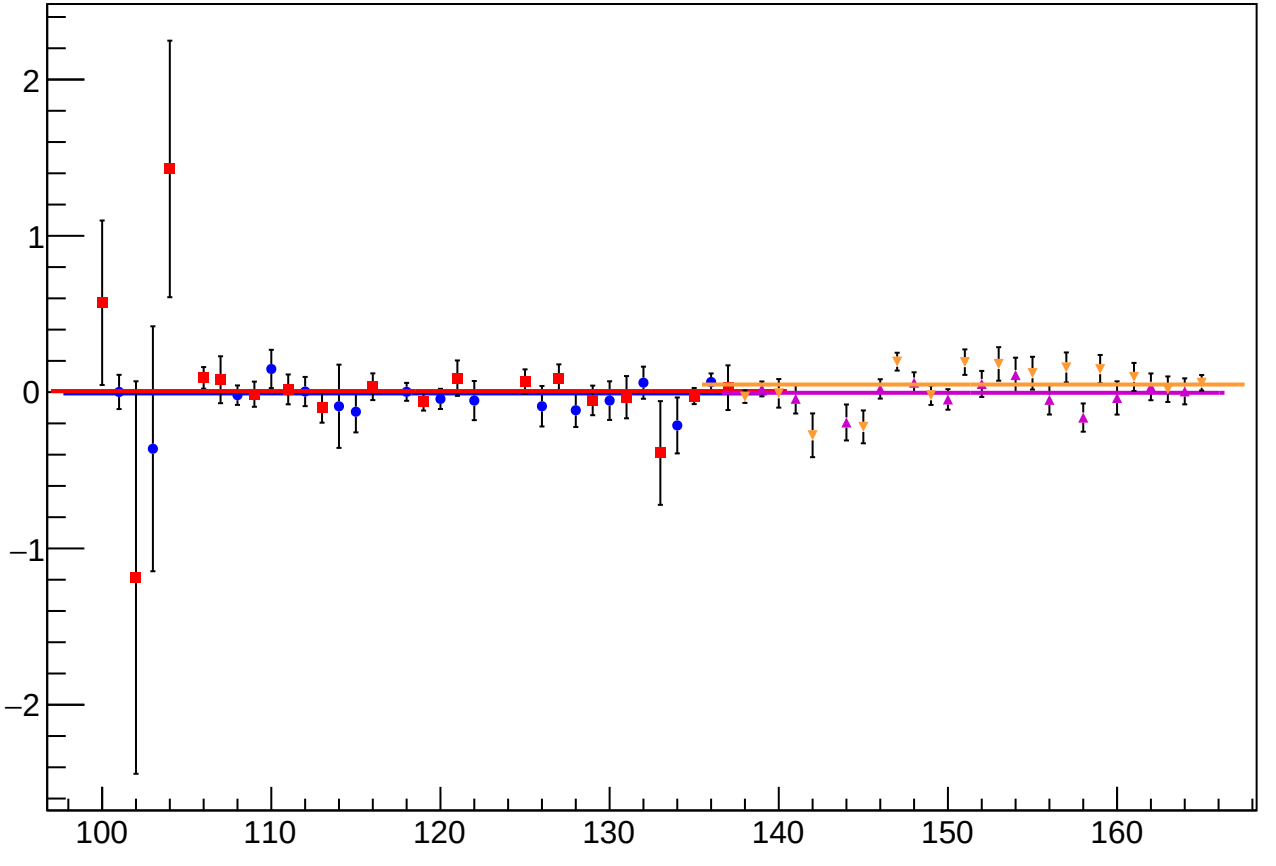
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 60.260+/-0.011 χ^2/NDF:4106904.8/28

Out: 53.949+/-0.010 χ^2/NDF:5896425.5/31

All: 56.865+/-0.008 χ^2/NDF: 10177047.8/60

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: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.025+/-0.014 χ^2/NDF: 45.2/26

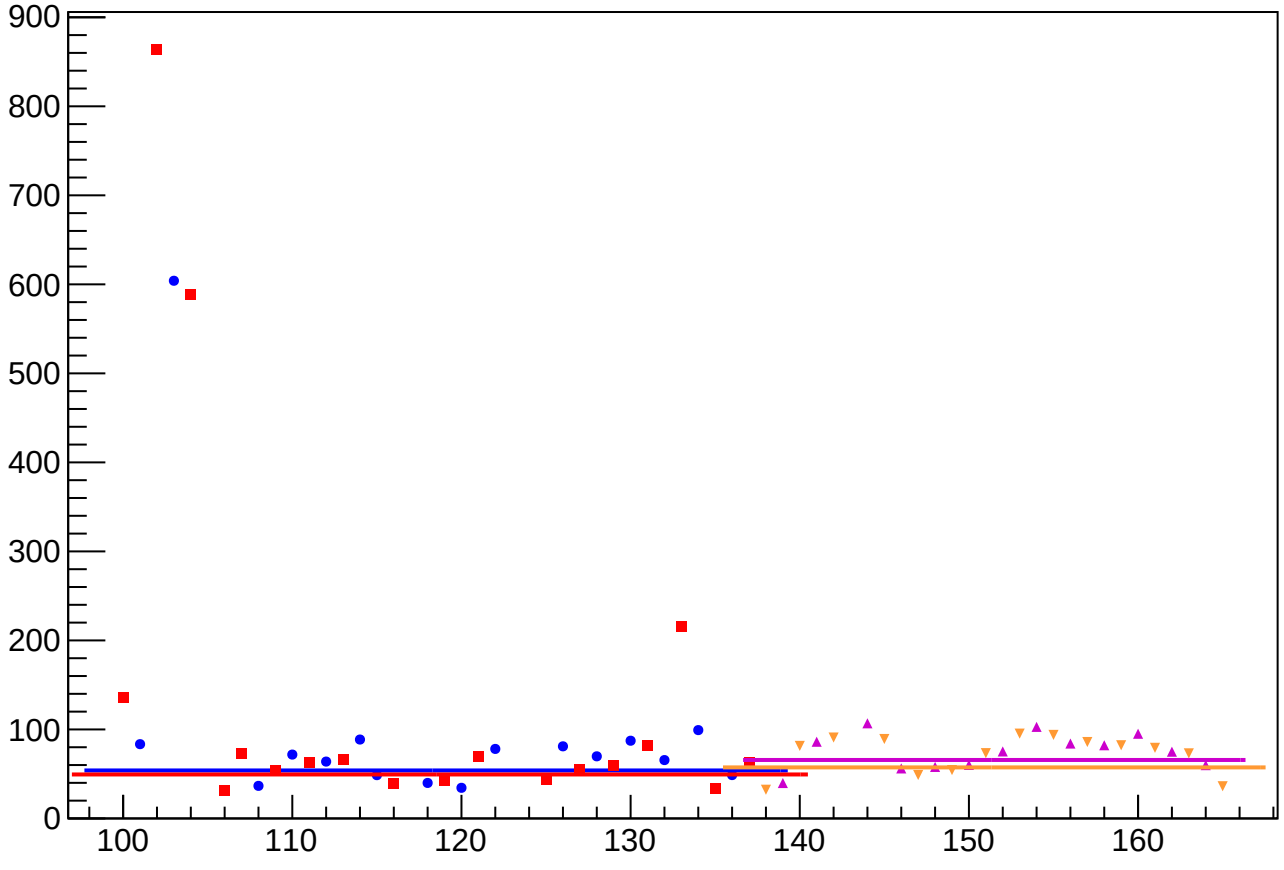
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.011 χ^2/NDF: 68.8/60

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: 57.351+/-0.014 χ^2/NDF:2733232.3/13

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

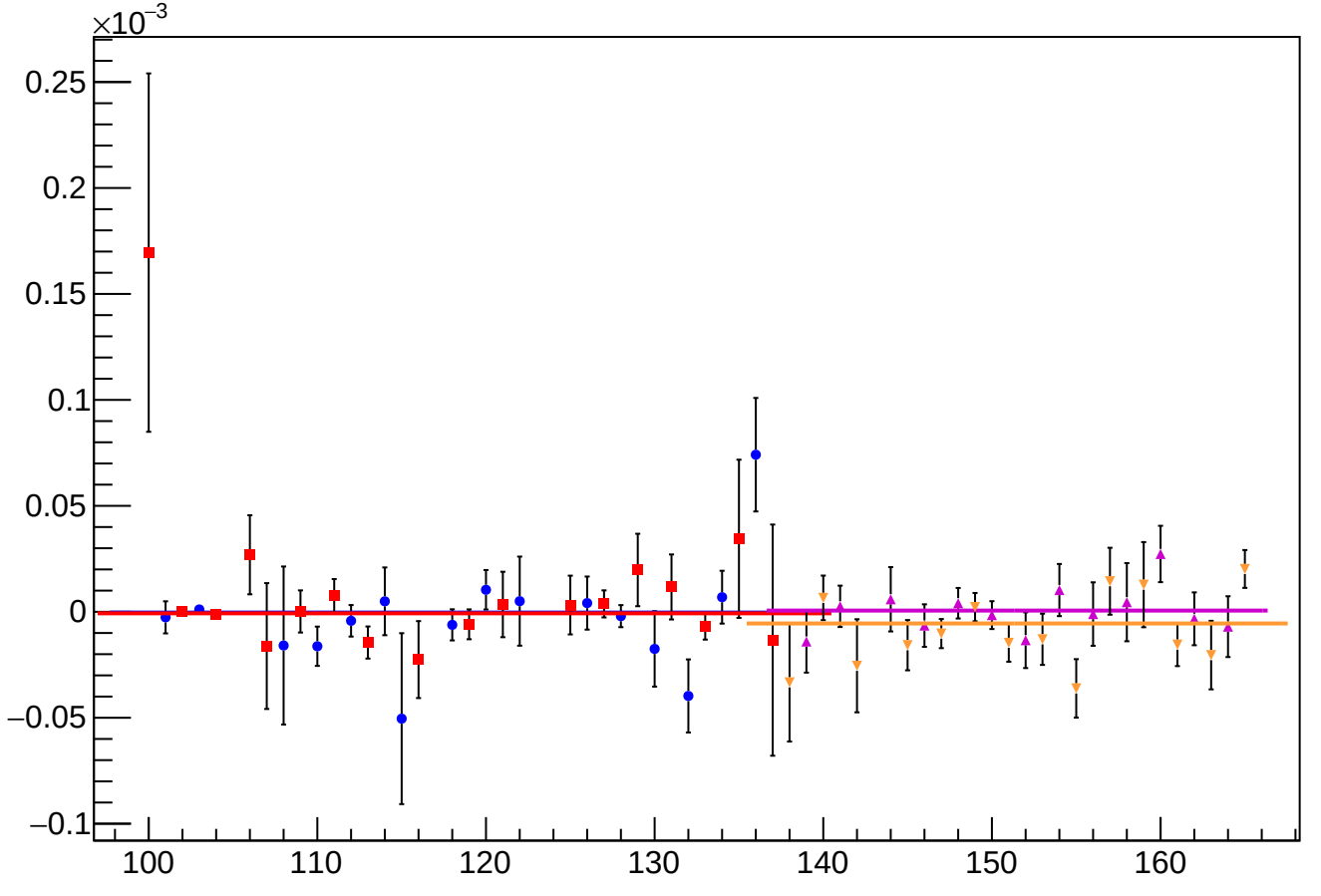
Left: 61.085+/-0.010 χ^2/NDF: 4514495.3/26

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 60.260+/-0.011 χ^2/NDF:4106904.8/28

Out: 53.949+/-0.010 χ^2/NDF:5896425.5/31

All: 56.865+/-0.008 χ^2/NDF: 10177047.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.2/12

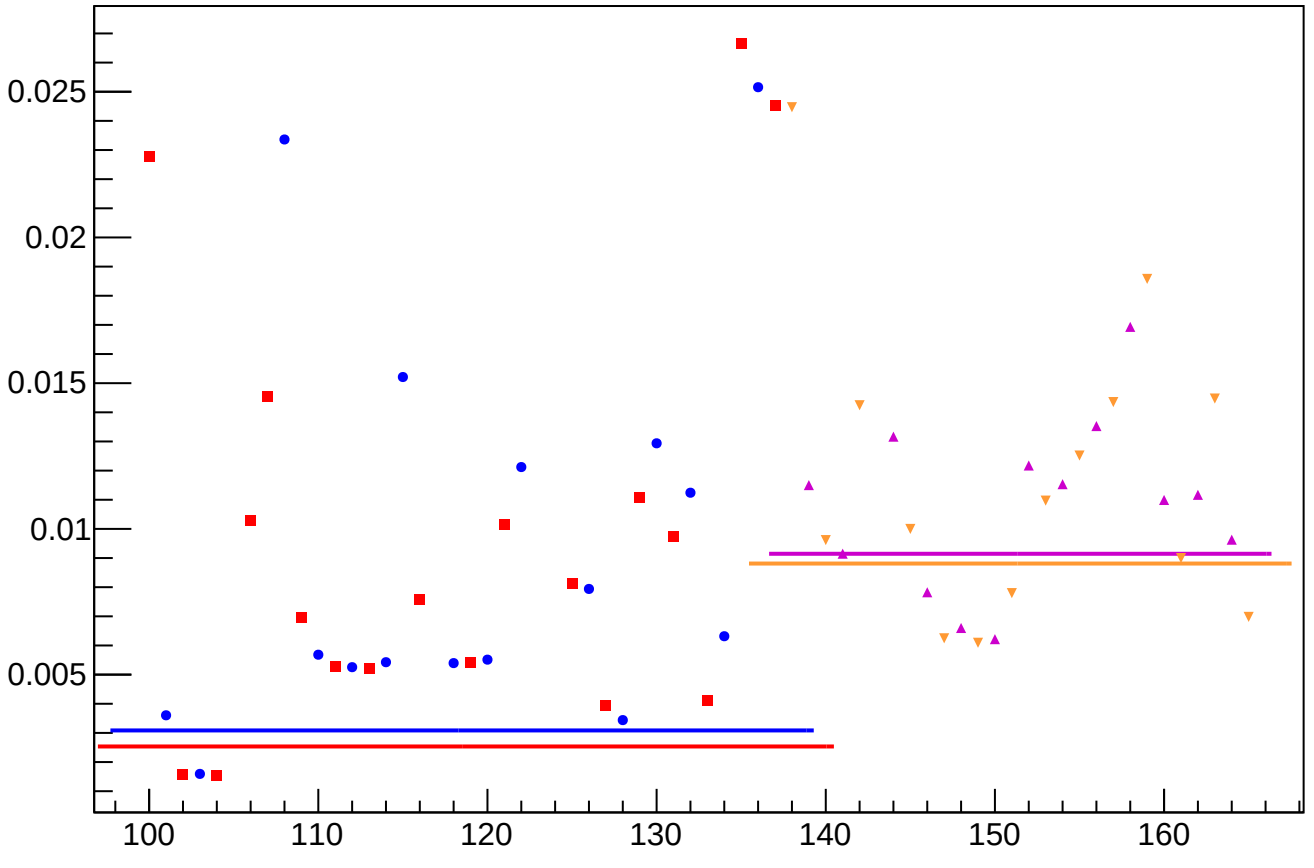
Left: -0.000+/-0.000 χ^2/NDF: 34.9/26

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:30.4/28

Out: -0.000+/-0.000 χ^2/NDF:44.8/31

All: -0.000+/-0.000 χ^2/NDF: 75.7/60



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2676653.0/13

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1676485.7/12

Left: 0.009+/-0.000 χ^2/NDF: 4365961.2/26

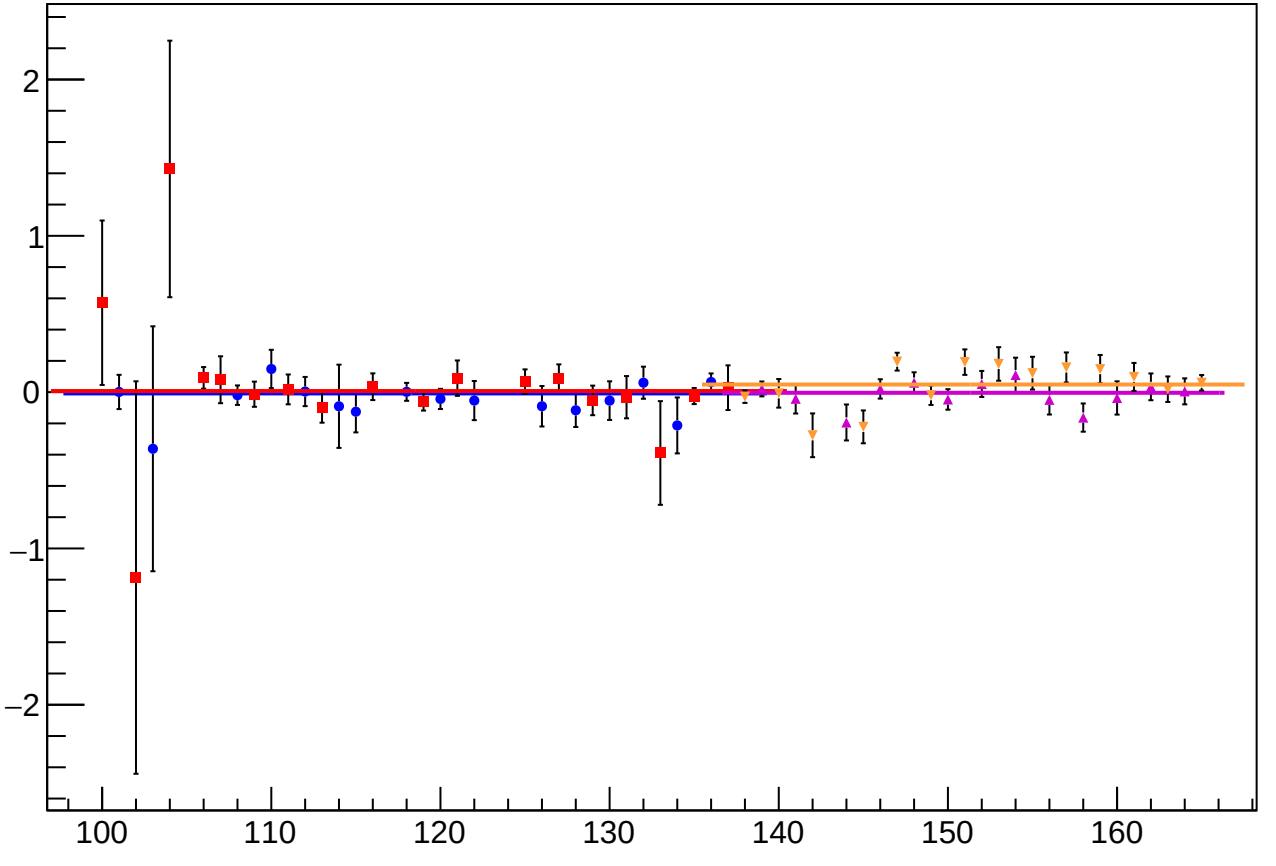
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:13662757.3/28

Out: 0.004+/-0.000 χ^2/NDF:16858648.9/31

All: 0.004+/-0.000 χ^2/NDF: 30973679.6/60

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: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.025+/-0.014 χ^2/NDF: 45.2/26

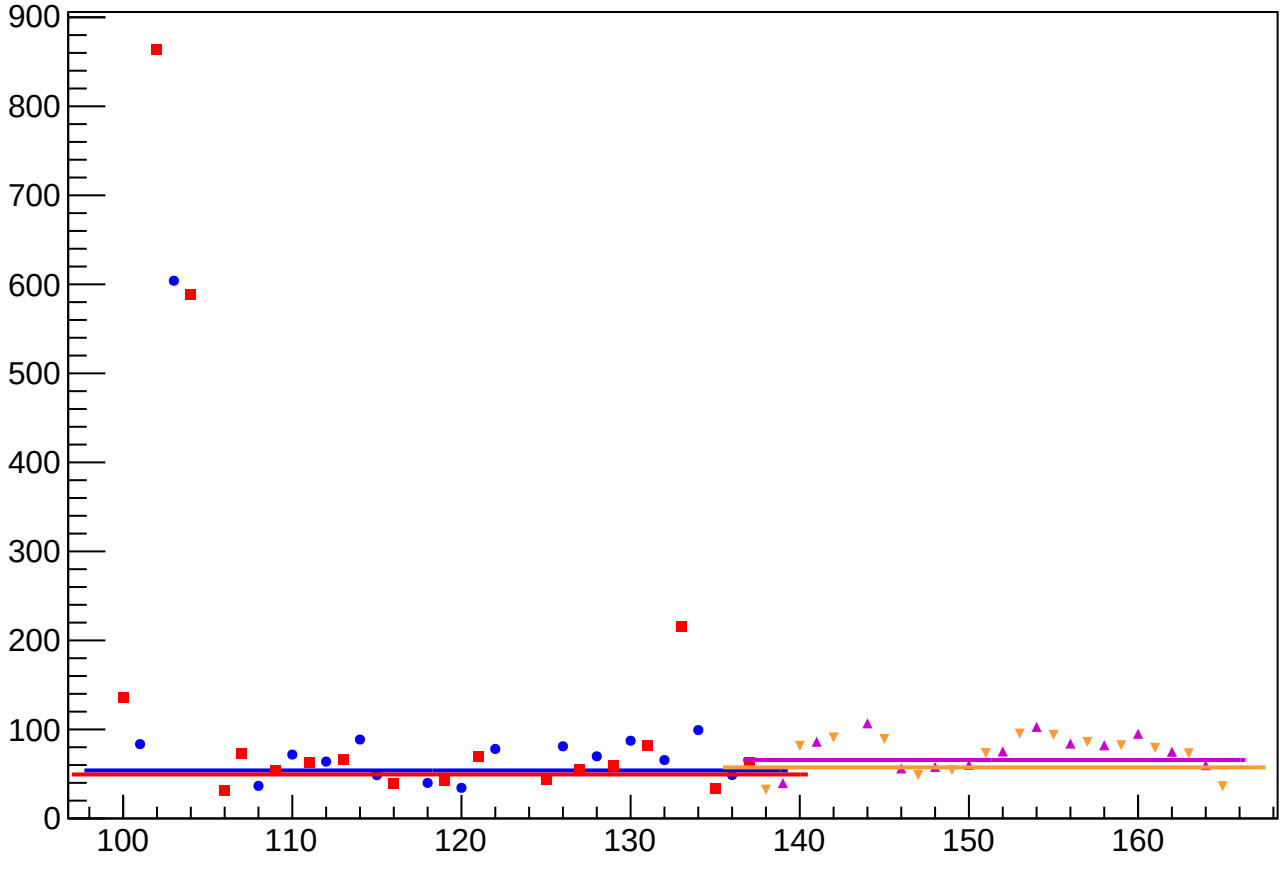
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.011 χ^2/NDF: 68.8/60

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: 57.355+/-0.014 χ^2/NDF:2732209.7/13

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

Left: 61.087+/-0.010 χ^2/NDF: 4513447.2/26

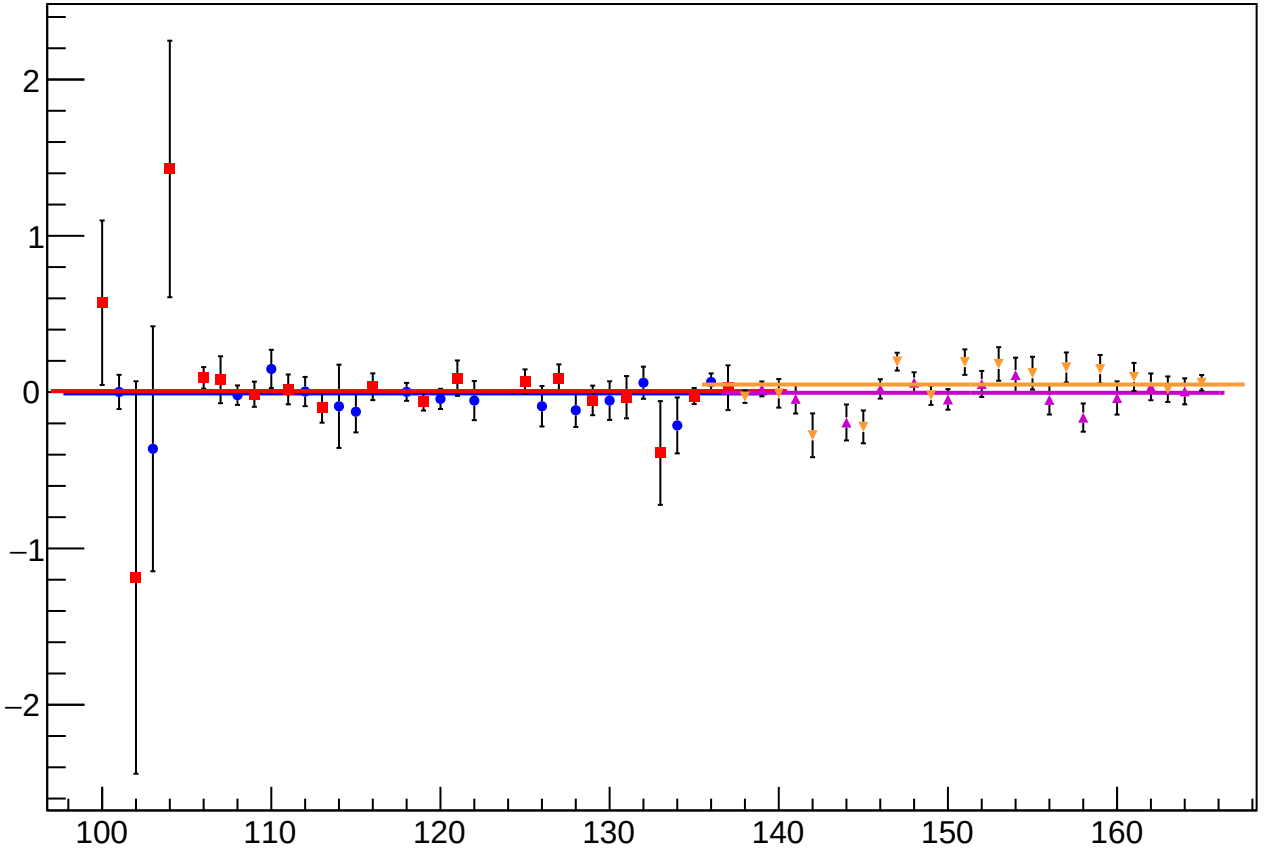
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 60.262+/-0.011 χ^2/NDF:4106462.3/28

Out: 53.952+/-0.010 χ^2/NDF:5895182.4/31

All: 56.867+/-0.008 χ^2/NDF: 10175255.1/60

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: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.025+/-0.014 χ^2/NDF: 45.2/26

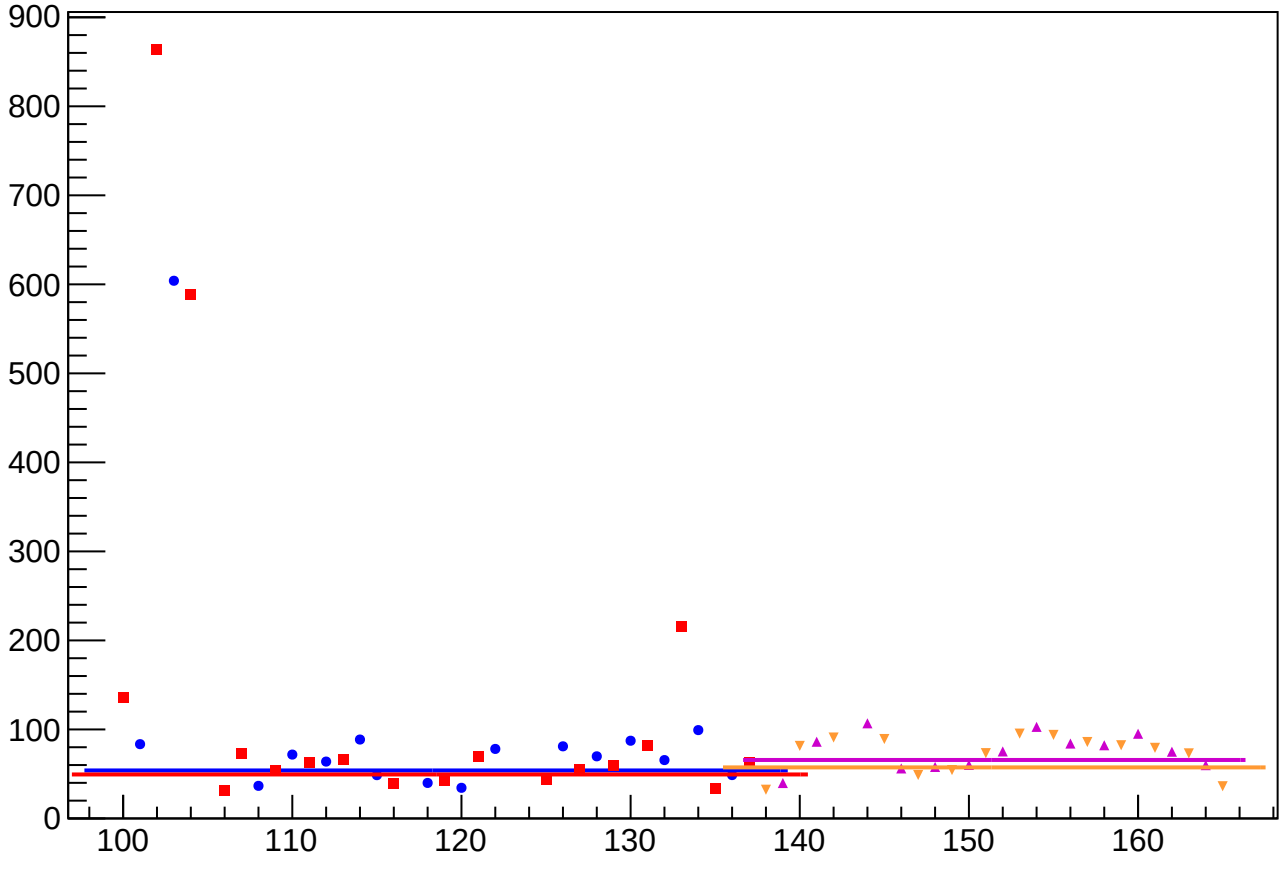
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.011 χ^2/NDF: 68.8/60

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: 57.355+/-0.014 χ^2/NDF:2732209.7/13

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

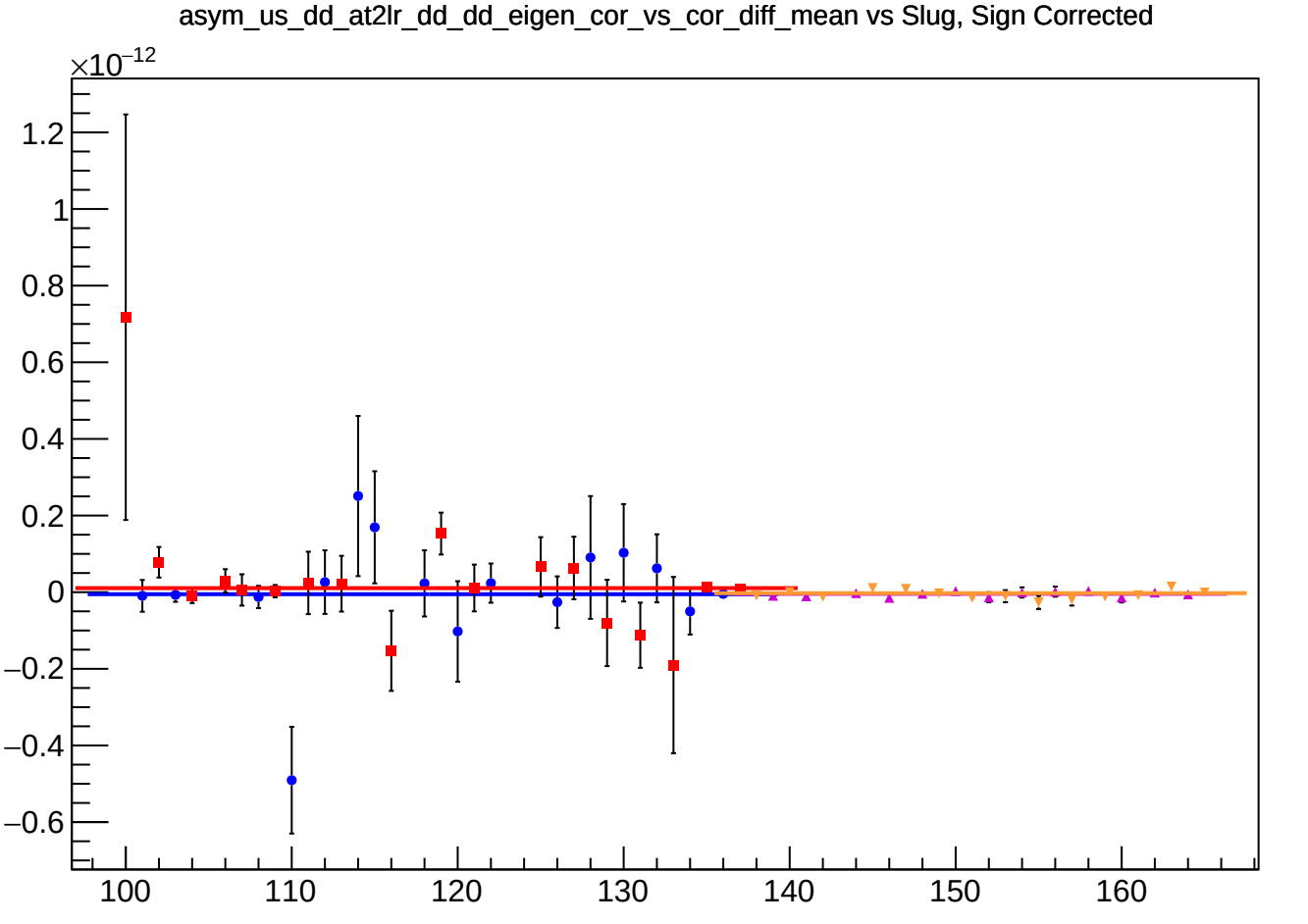
Left: 61.087+/-0.010 χ^2/NDF: 4513447.2/26

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 60.262+/-0.011 χ^2/NDF:4106462.3/28

Out: 53.952+/-0.010 χ^2/NDF:5895182.4/31

All: 56.867+/-0.008 χ^2/NDF: 10175255.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/12

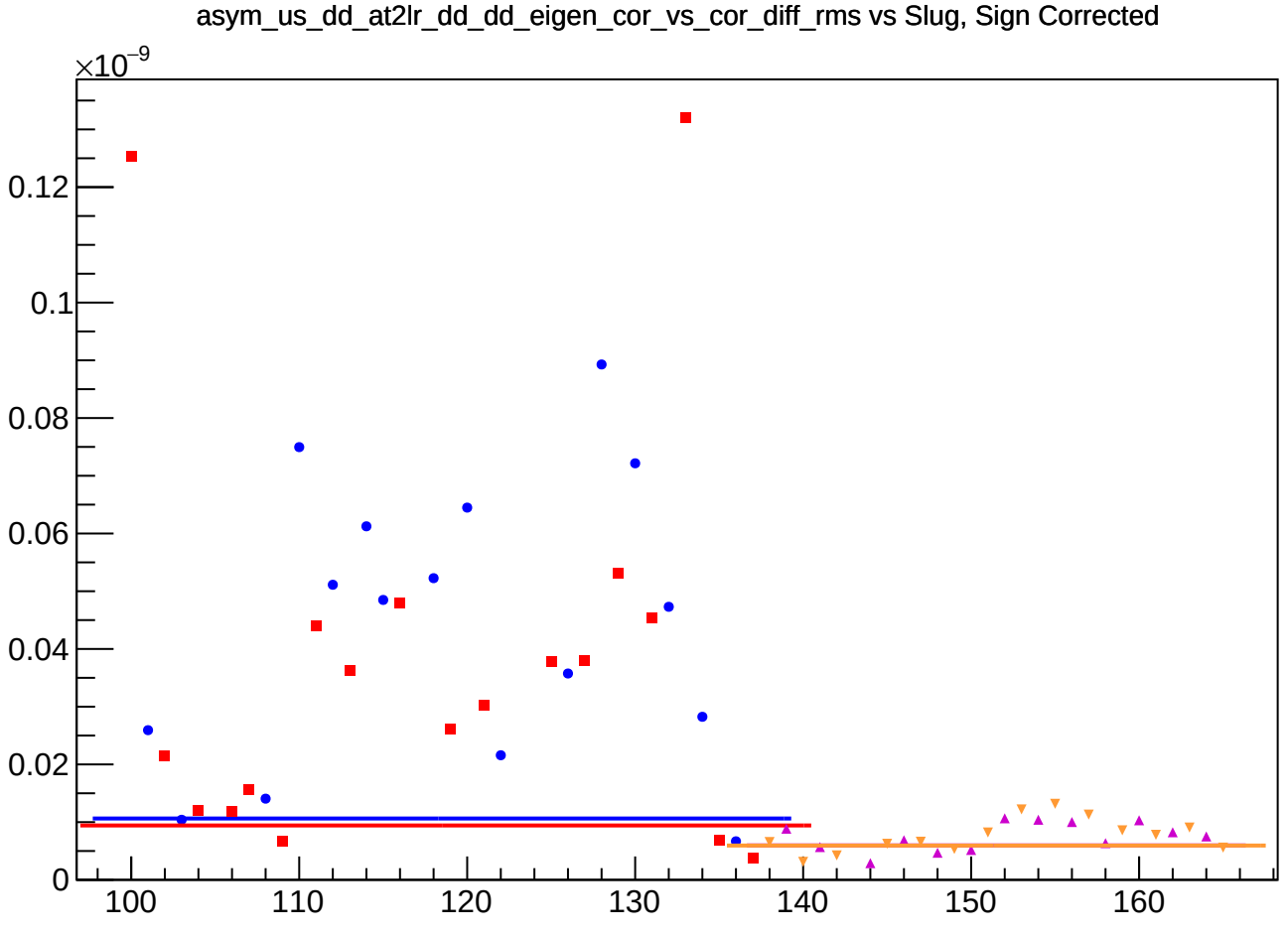
Left: -0.000+/-0.000 χ^2/NDF: 20.4/26

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.6/28

Out: -0.000+/-0.000 χ^2/NDF:38.0/31

All: -0.000+/-0.000 χ^2/NDF: 63.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2198323.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2057585.4/12

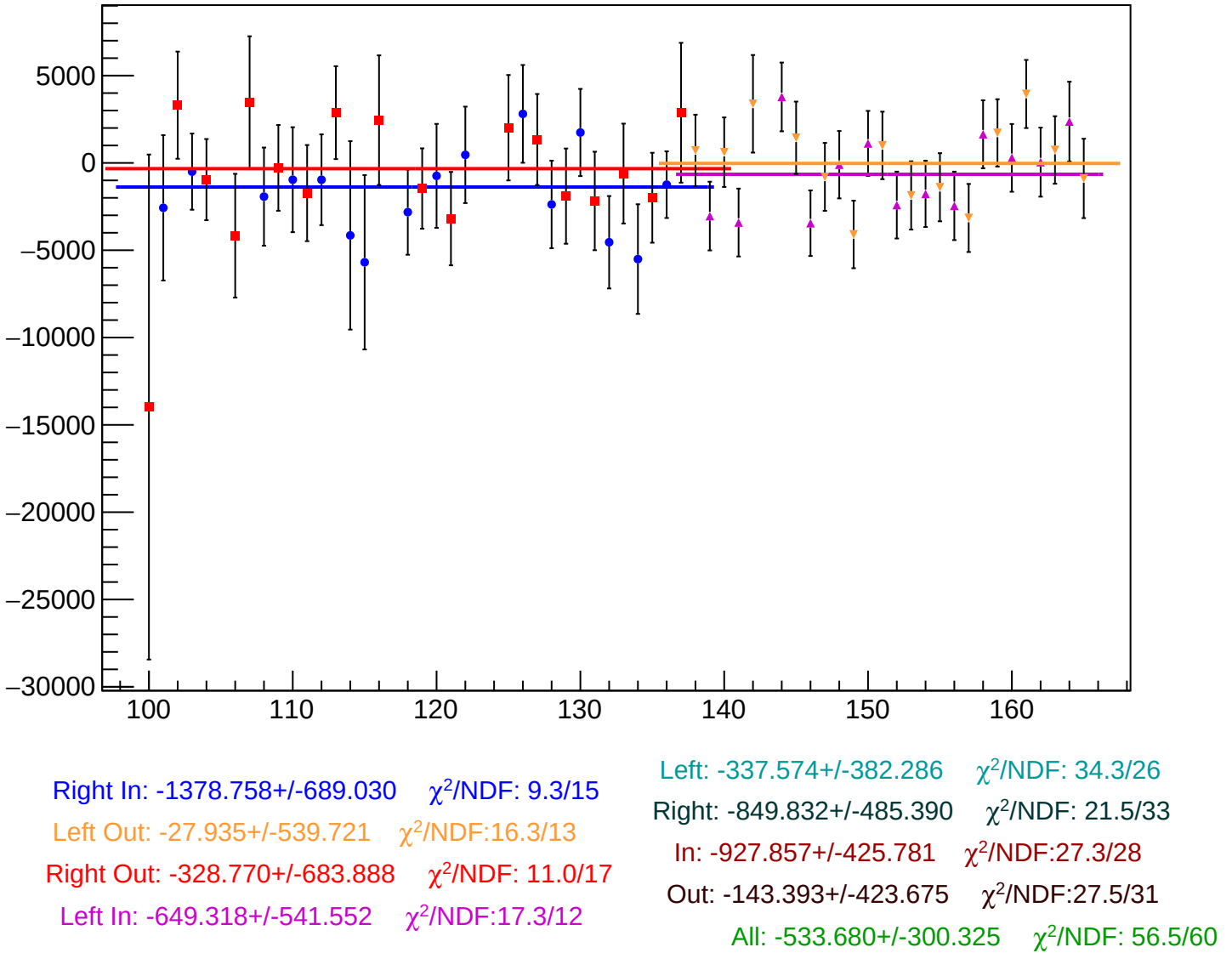
Left: 0.000+/-0.000 χ^2/NDF: 4255954.1/26

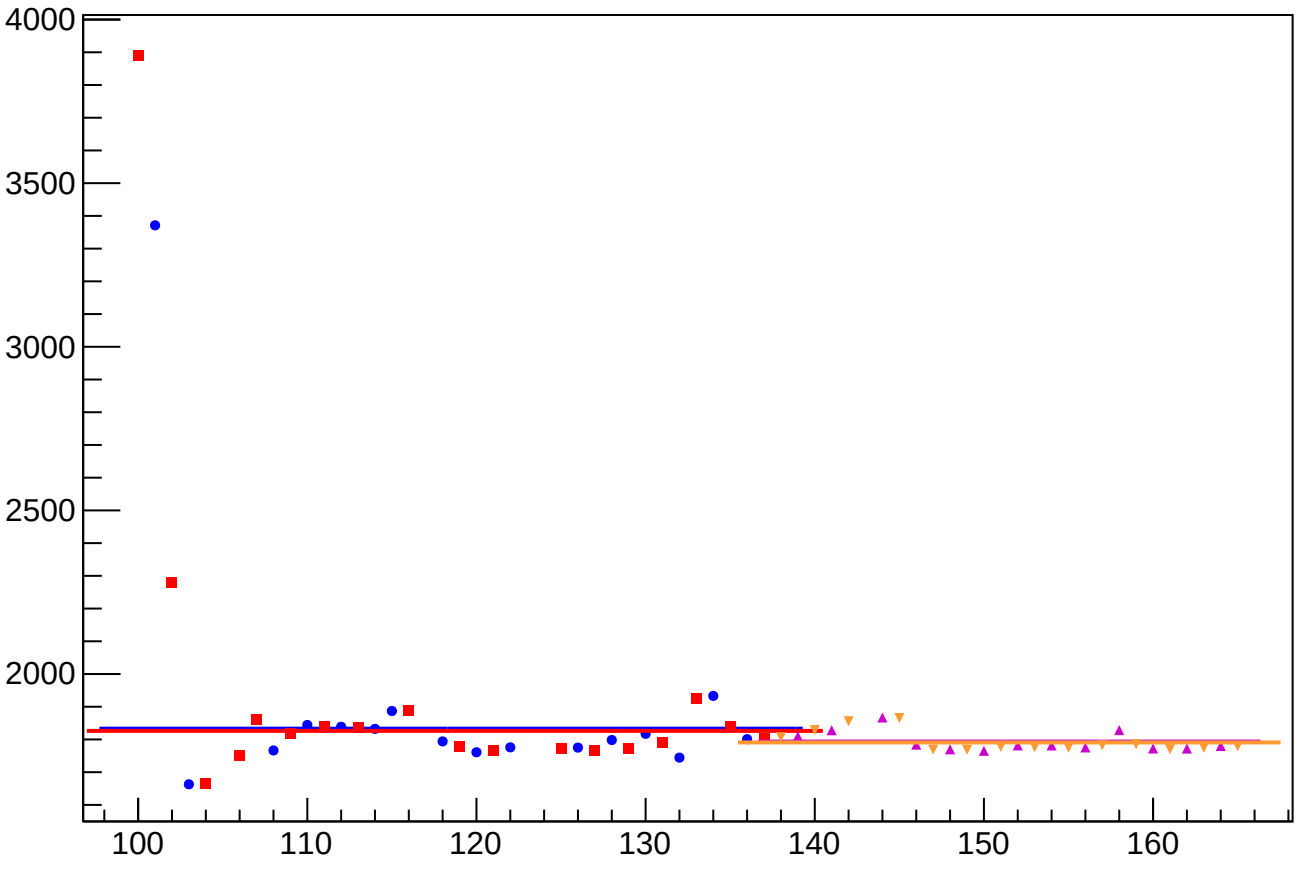
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7445964.1/28

Out: 0.000+/-0.000 χ^2/NDF:6738638.4/31

All: 0.000+/-0.000 χ^2/NDF: 14186851.8/60


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
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -27.935+/-539.721 χ²/NDF:16.3/13
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -649.318+/-541.552 χ²/NDF:17.3/12
Left: -337.574+/-382.286 χ²/NDF: 34.3/26
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -927.857+/-425.781 χ²/NDF:27.3/28
Out: -143.393+/-423.675 χ²/NDF:27.5/31
All: -533.680+/-300.325 χ²/NDF: 56.5/60



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

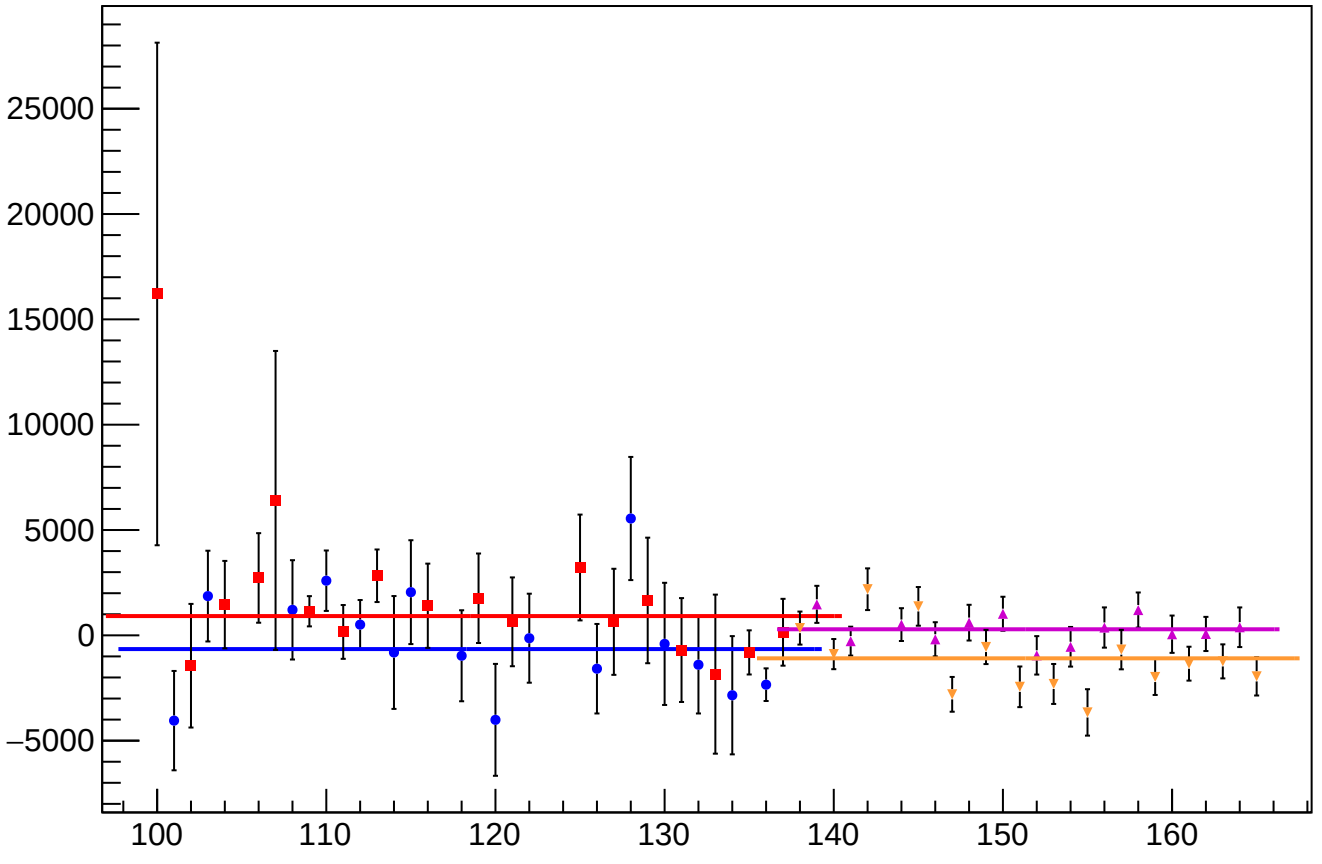
Left: 1792.202+/-0.270 χ^2/NDF: 11752.7/26

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1808.588+/-0.301 χ^2/NDF:305370.0/28

Out: 1804.433+/-0.300 χ^2/NDF:112138.1/31

All: 1806.500+/-0.212 χ^2/NDF: 417603.9/60



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1091.162+/-231.967 χ^2/NDF:37.7/13

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 287.996+/-233.699 χ^2/NDF:7.9/12

Left: -406.713+/-164.634 χ^2/NDF: 63.1/26

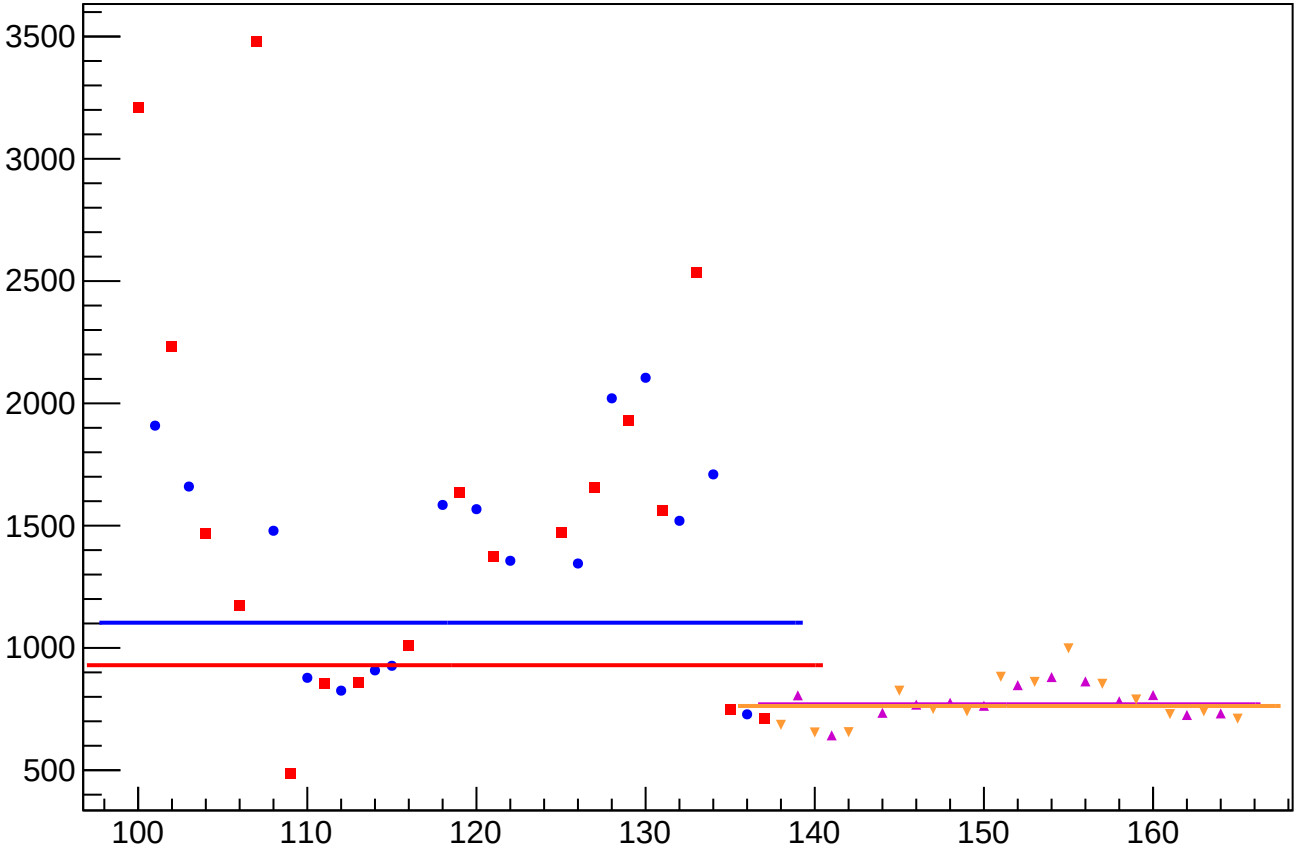
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 82.737+/-206.612 χ^2/NDF:34.6/28

Out: -573.716+/-199.819 χ^2/NDF:68.5/31

All: -256.458+/-143.635 χ^2/NDF: 108.4/60

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: 762.652+/-0.164 χ^2/NDF:275561.1/13

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 769.443+/-0.165 χ^2/NDF:151172.4/12

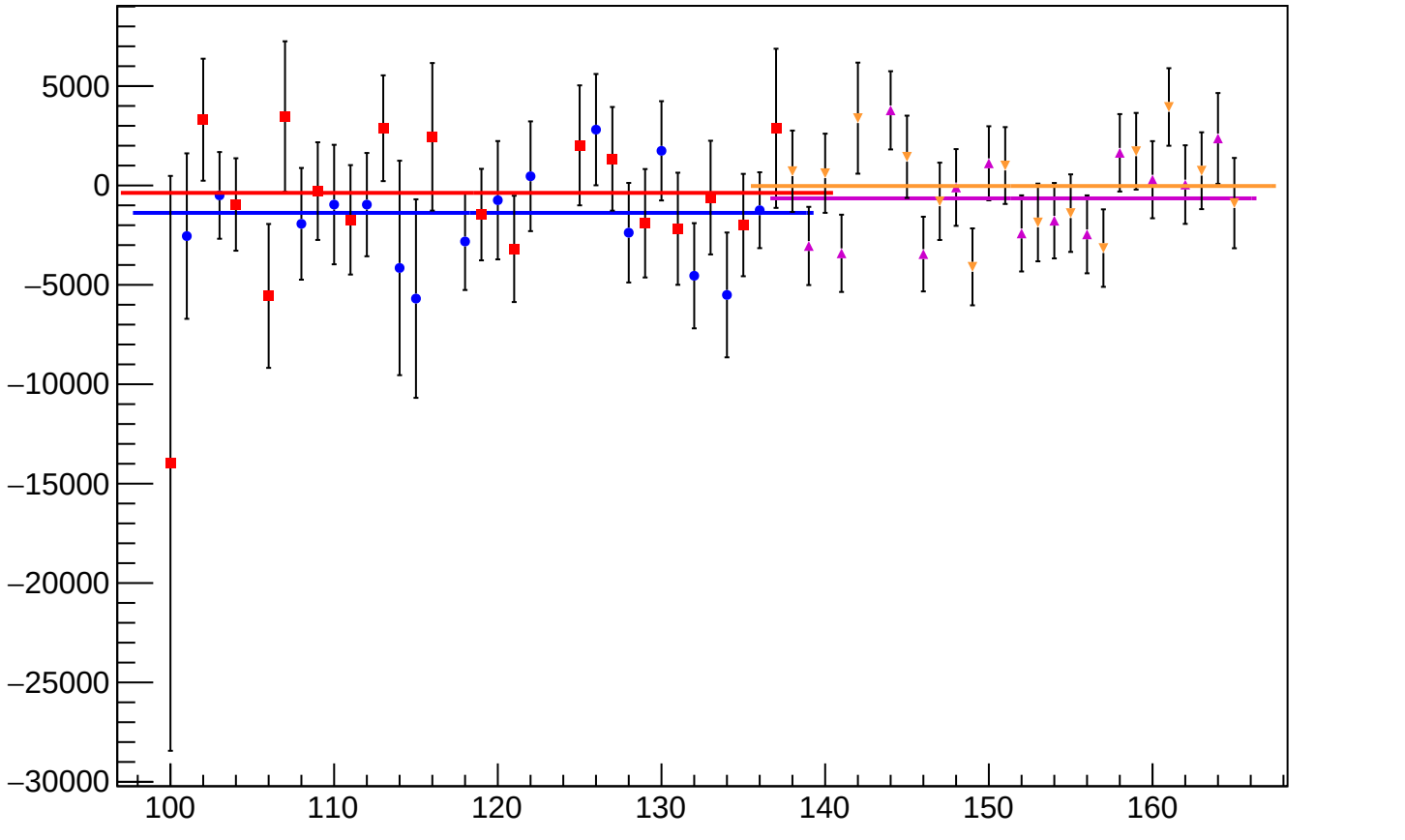
Left: 766.022+/-0.116 χ^2/NDF: 427584.2/26

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 842.324+/-0.146 χ^2/NDF:2920058.4/28

Out: 805.656+/-0.141 χ^2/NDF:3596114.0/31

All: 823.377+/-0.102 χ^2/NDF: 6548720.6/60



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -27.810+/-539.721 χ^2/NDF:16.3/13

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -649.223+/-541.552 χ^2/NDF:17.3/12

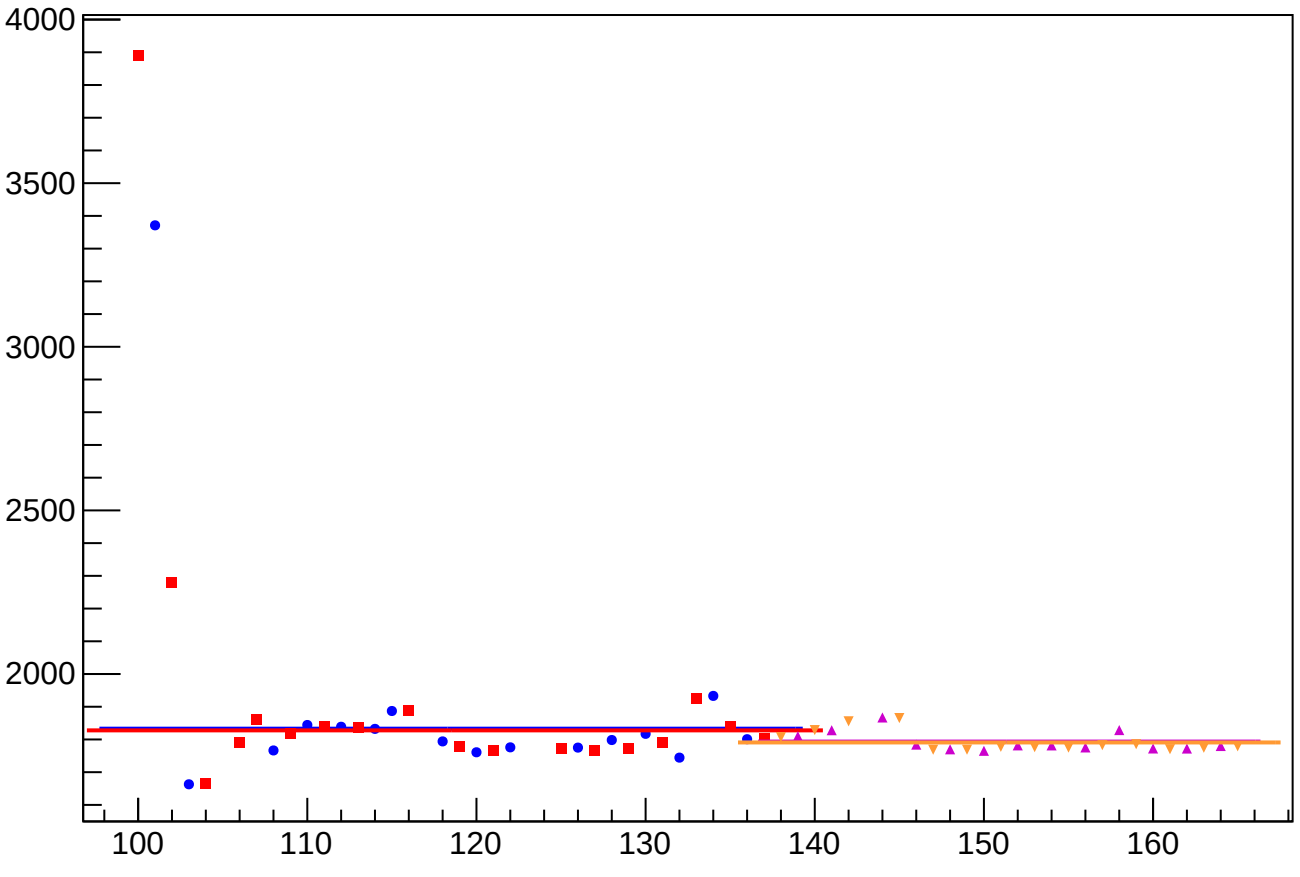
Left: -337.464+/-382.286 χ^2/NDF: 34.3/26

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -927.560+/-425.781 χ^2/NDF:27.3/28

Out: -159.988+/-423.799 χ^2/NDF:28.4/31

All: -541.983+/-300.369 χ^2/NDF: 57.4/60



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

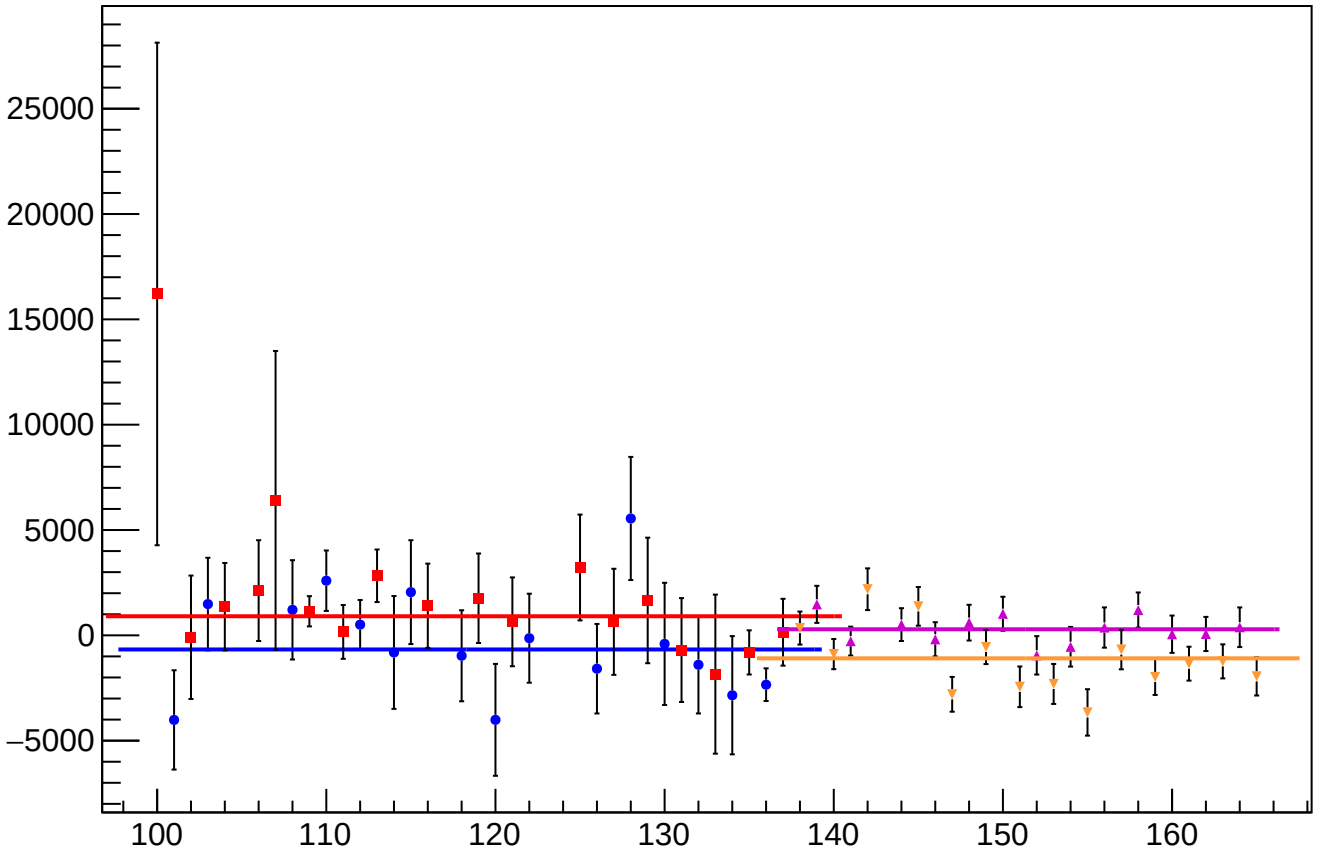
Left: 1792.202+/-0.270 χ^2/NDF: 11752.7/26

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1808.588+/-0.301 χ^2/NDF:305371.9/28

Out: 1805.025+/-0.300 χ^2/NDF:111698.7/31

All: 1806.798+/-0.212 χ^2/NDF: 417141.0/60



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1091.138+/-231.968 χ^2/NDF:37.7/13

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 287.886+/-233.700 χ^2/NDF:7.9/12

Left: -406.755+/-164.635 χ^2/NDF: 63.1/26

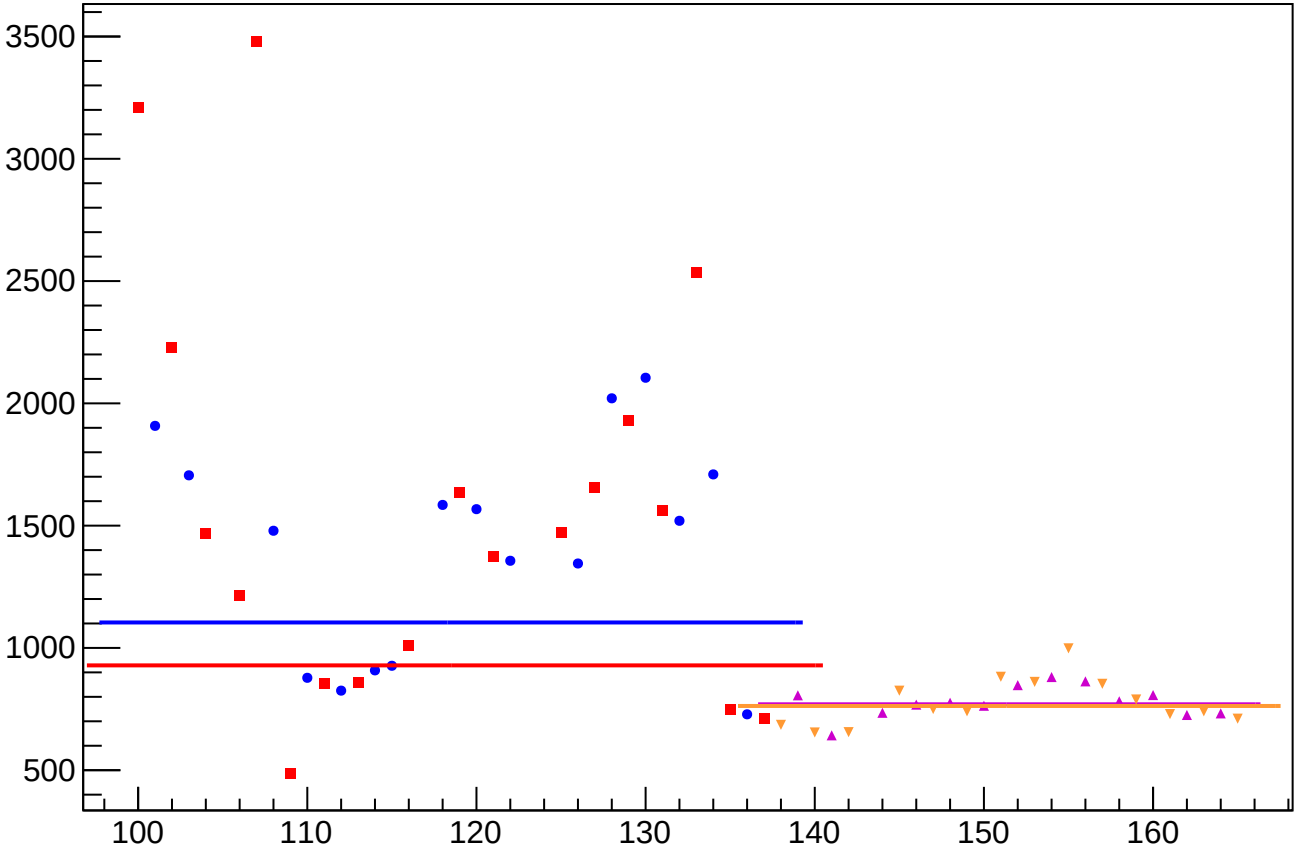
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 78.862+/-206.651 χ^2/NDF:34.3/28

Out: -578.672+/-200.002 χ^2/NDF:67.2/31

All: -260.653+/-143.716 χ^2/NDF: 106.7/60

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: 762.657+/-0.164 χ^2/NDF:275531.4/13

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

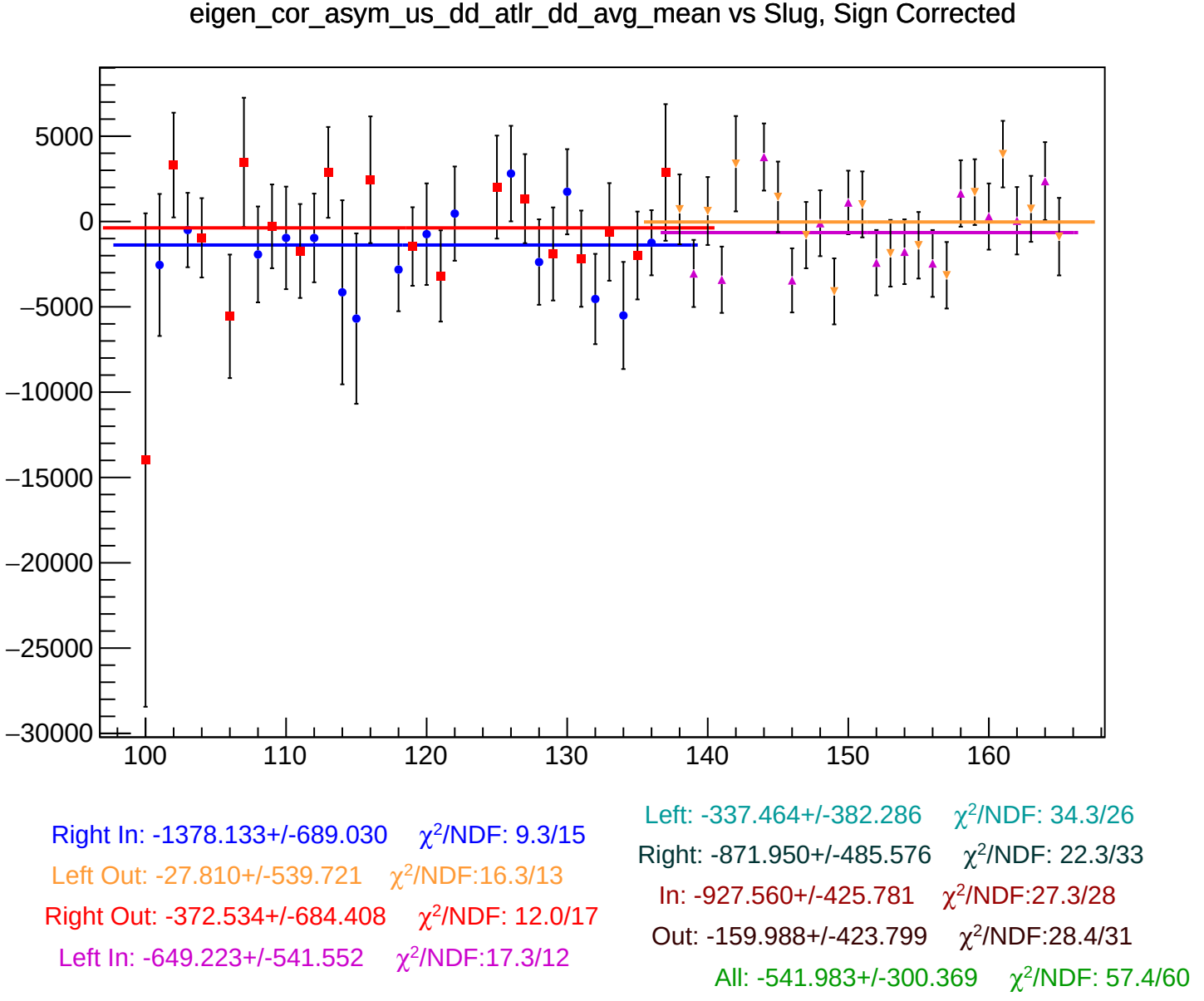
Left: 766.027+/-0.116 χ^2/NDF: 427601.5/26

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 842.432+/-0.146 χ^2/NDF:2940130.6/28

Out: 805.248+/-0.141 χ^2/NDF:3592651.8/31

All: 823.233+/-0.102 χ^2/NDF: 6566217.9/60


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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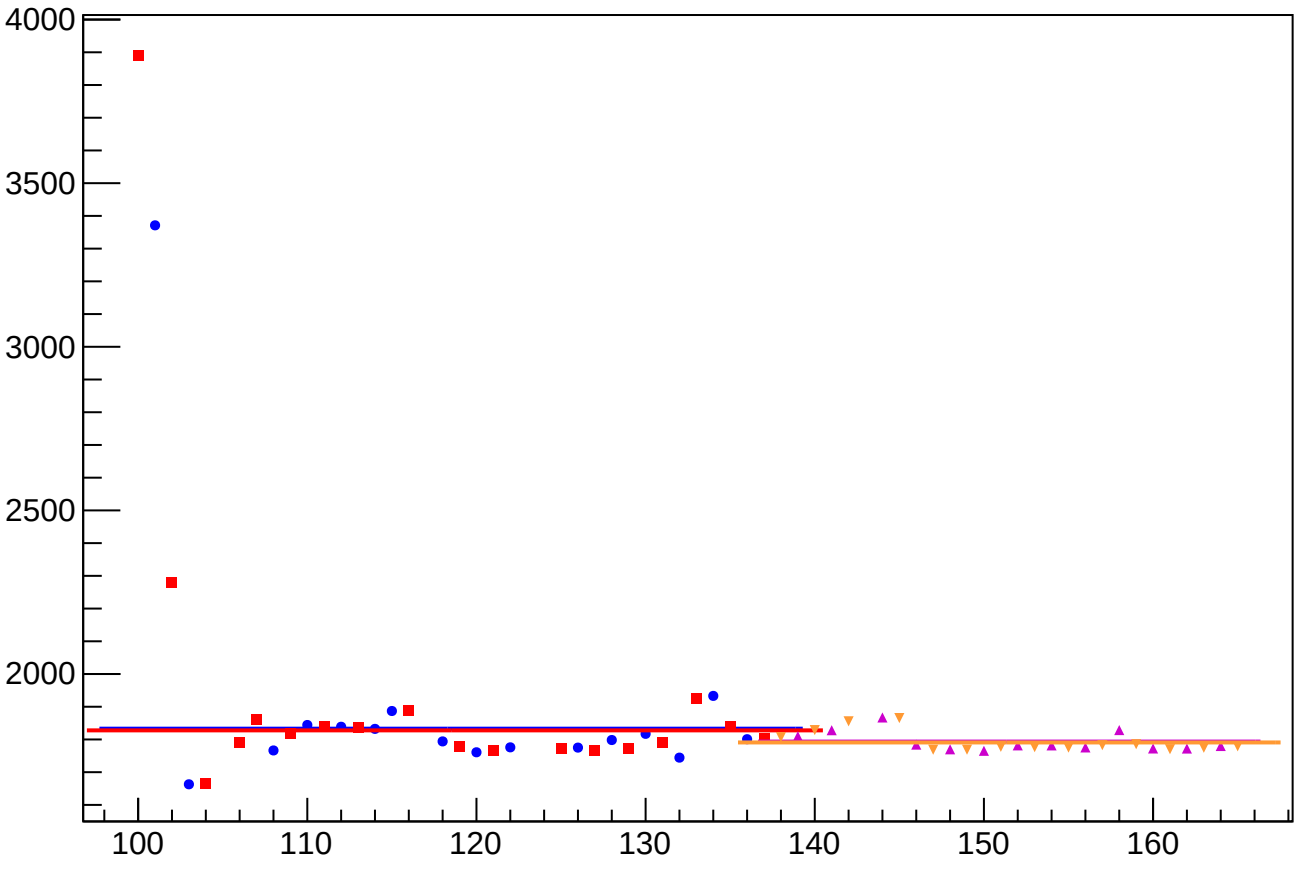
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -27.810+/-539.721 χ²/NDF:16.3/13
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -649.223+/-541.552 χ²/NDF:17.3/12
Left: -337.464+/-382.286 χ²/NDF: 34.3/26
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -927.560+/-425.781 χ²/NDF:27.3/28
Out: -159.988+/-423.799 χ²/NDF:28.4/31
All: -541.983+/-300.369 χ²/NDF: 57.4/60



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

Left: 1792.202+/-0.270 χ^2/NDF: 11752.7/26

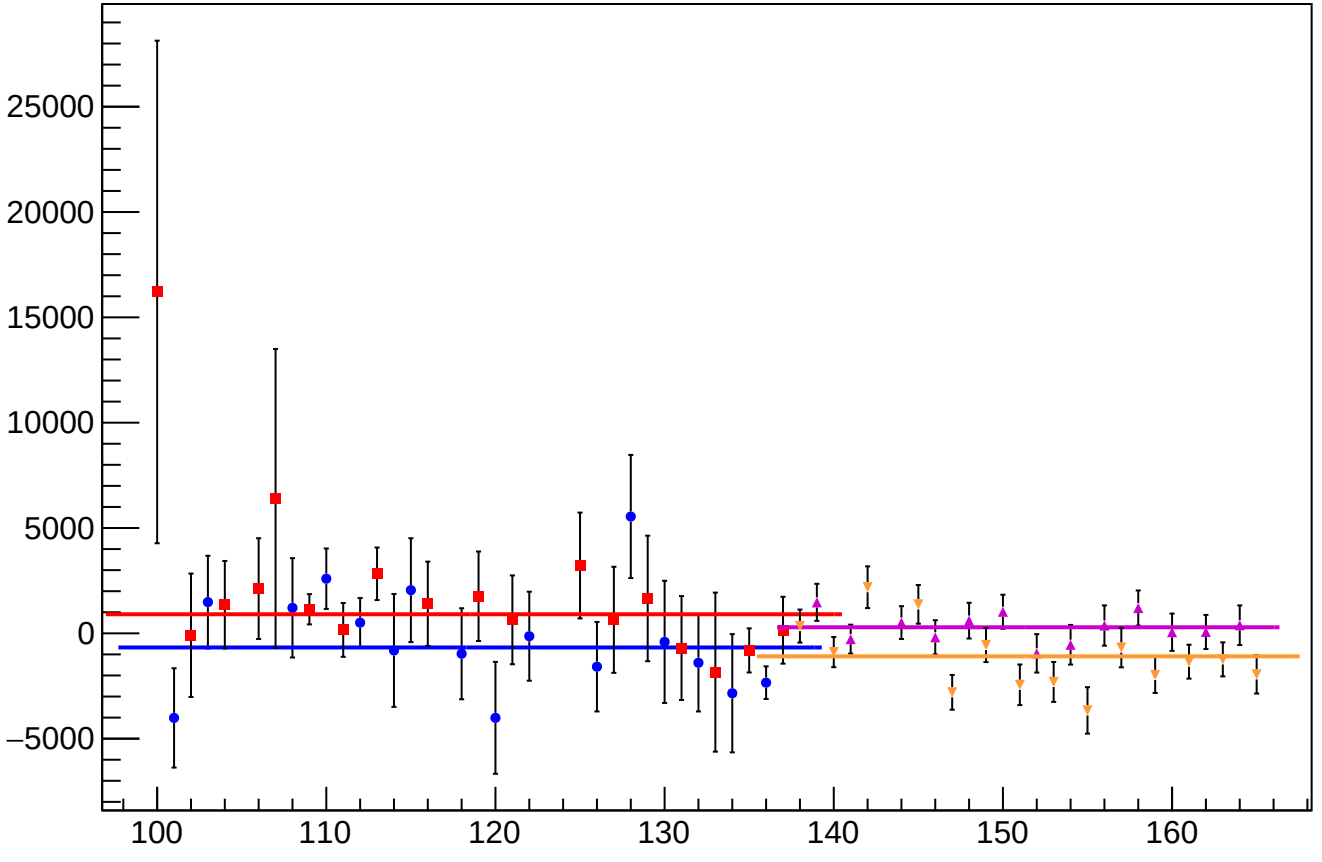
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1808.588+/-0.301 χ^2/NDF:305371.9/28

Out: 1805.025+/-0.300 χ^2/NDF:111698.7/31

All: 1806.798+/-0.212 χ^2/NDF: 417141.0/60

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1091.138+/-231.968 χ^2/NDF:37.7/13

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 287.886+/-233.700 χ^2/NDF:7.9/12

Left: -406.755+/-164.635 χ^2/NDF: 63.1/26

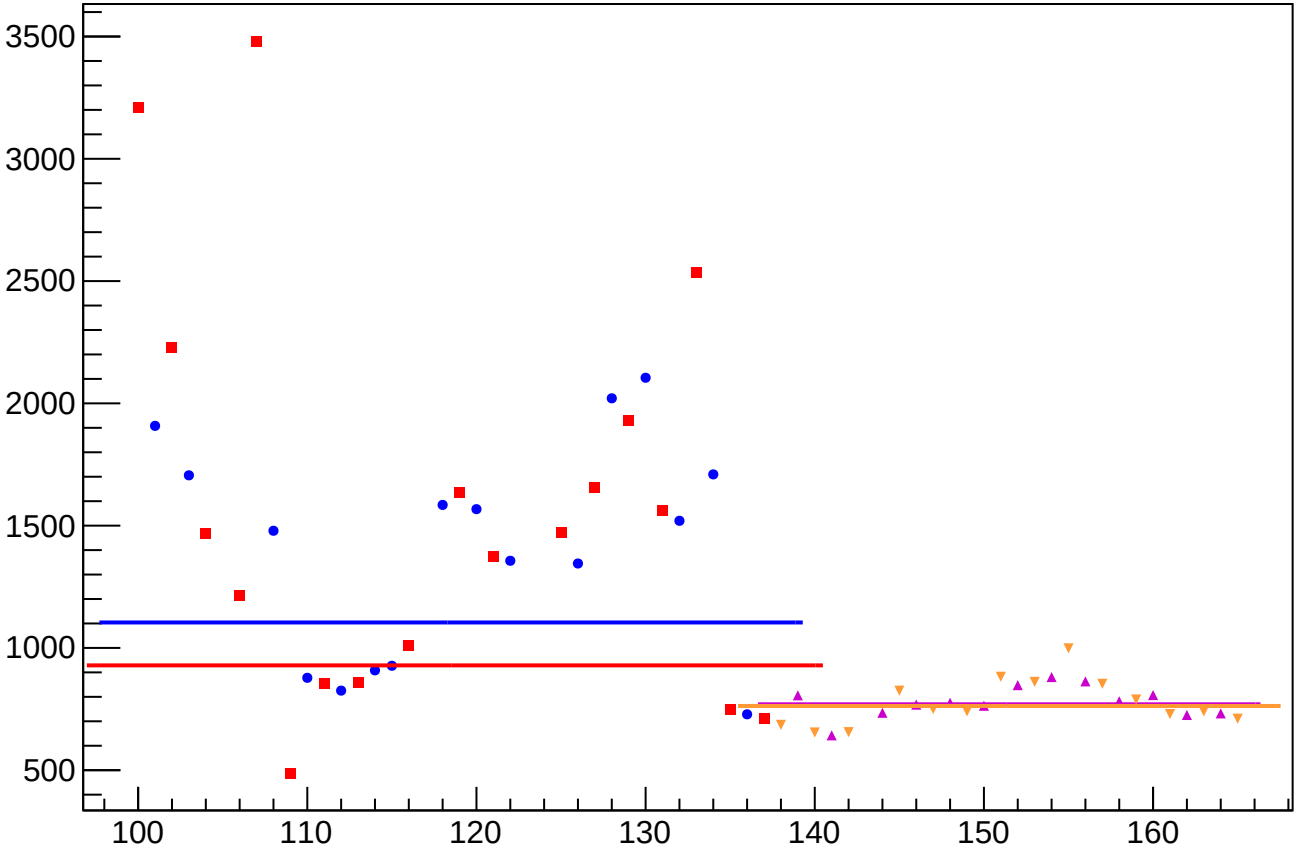
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 78.862+/-206.651 χ^2/NDF:34.3/28

Out: -578.672+/-200.002 χ^2/NDF:67.2/31

All: -260.653+/-143.716 χ^2/NDF: 106.7/60

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: 762.657+/-0.164 χ^2/NDF:275531.4/13

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

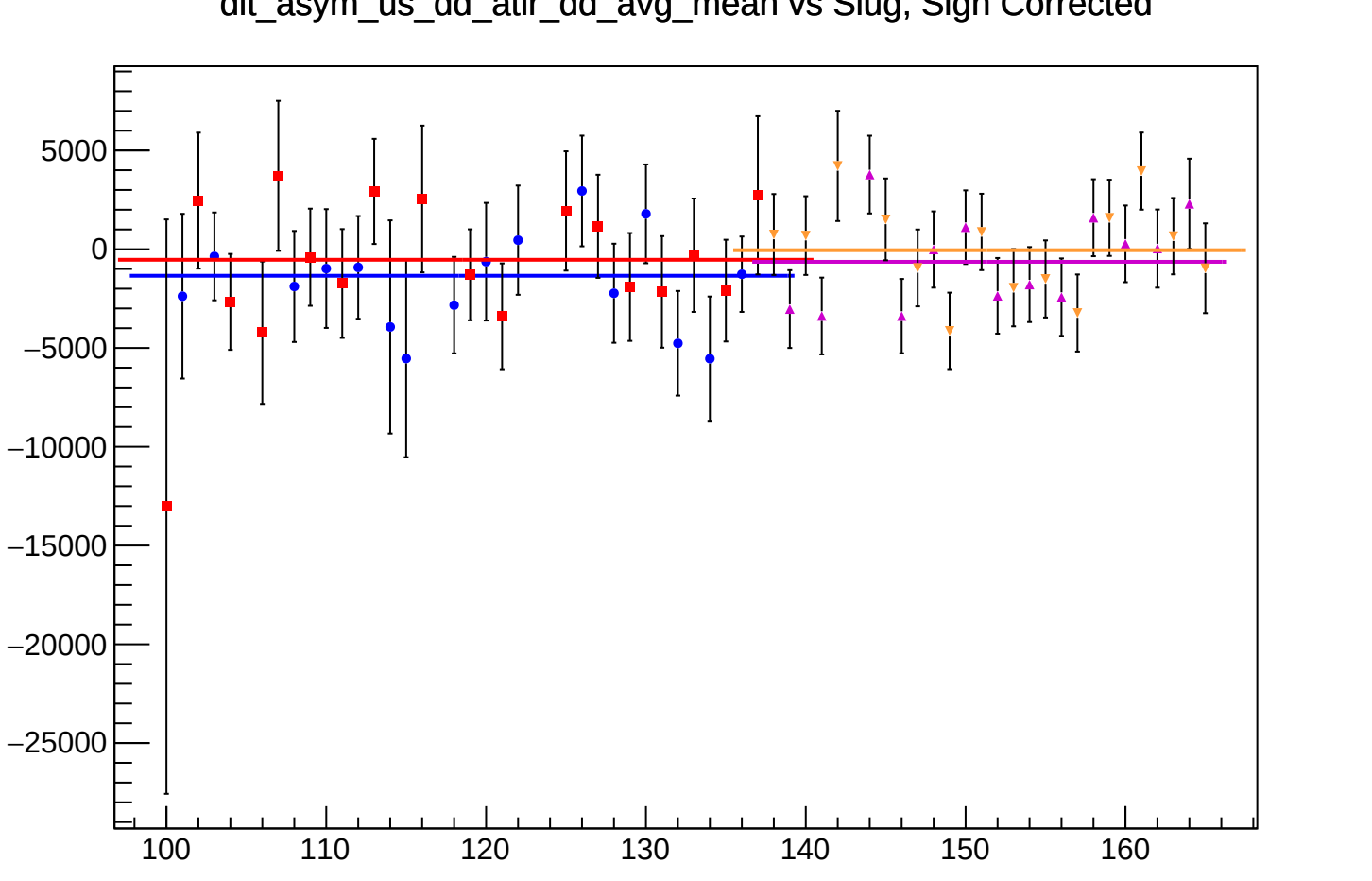
Left: 766.027+/-0.116 χ^2/NDF: 427601.5/26

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 842.432+/-0.146 χ^2/NDF:2940130.6/28

Out: 805.248+/-0.141 χ^2/NDF:3592651.8/31

All: 823.233+/-0.102 χ^2/NDF: 6566217.9/60



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -50.486+/-540.070 χ^2/NDF:17.5/13

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -638.462+/-541.922 χ^2/NDF:16.9/12

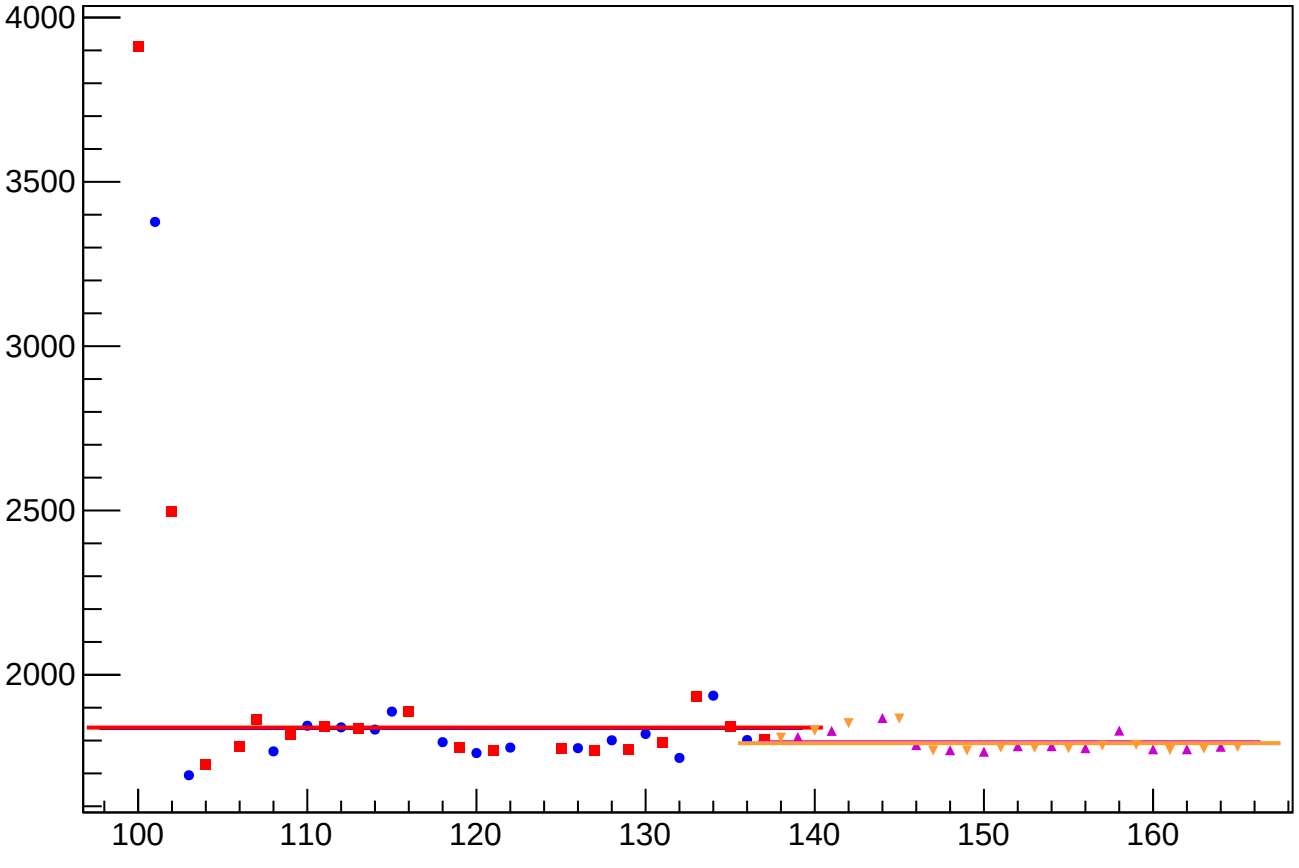
Left: -343.467+/-382.540 χ^2/NDF: 35.0/26

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -907.161+/-426.411 χ^2/NDF:27.2/28

Out: -233.925+/-425.514 χ^2/NDF:28.9/31

All: -569.834+/-301.200 χ^2/NDF: 57.3/60



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.023+/-0.382 χ^2/NDF:5742.8/13

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.0/12

Left: 1793.388+/-0.270 χ^2/NDF: 11688.5/26

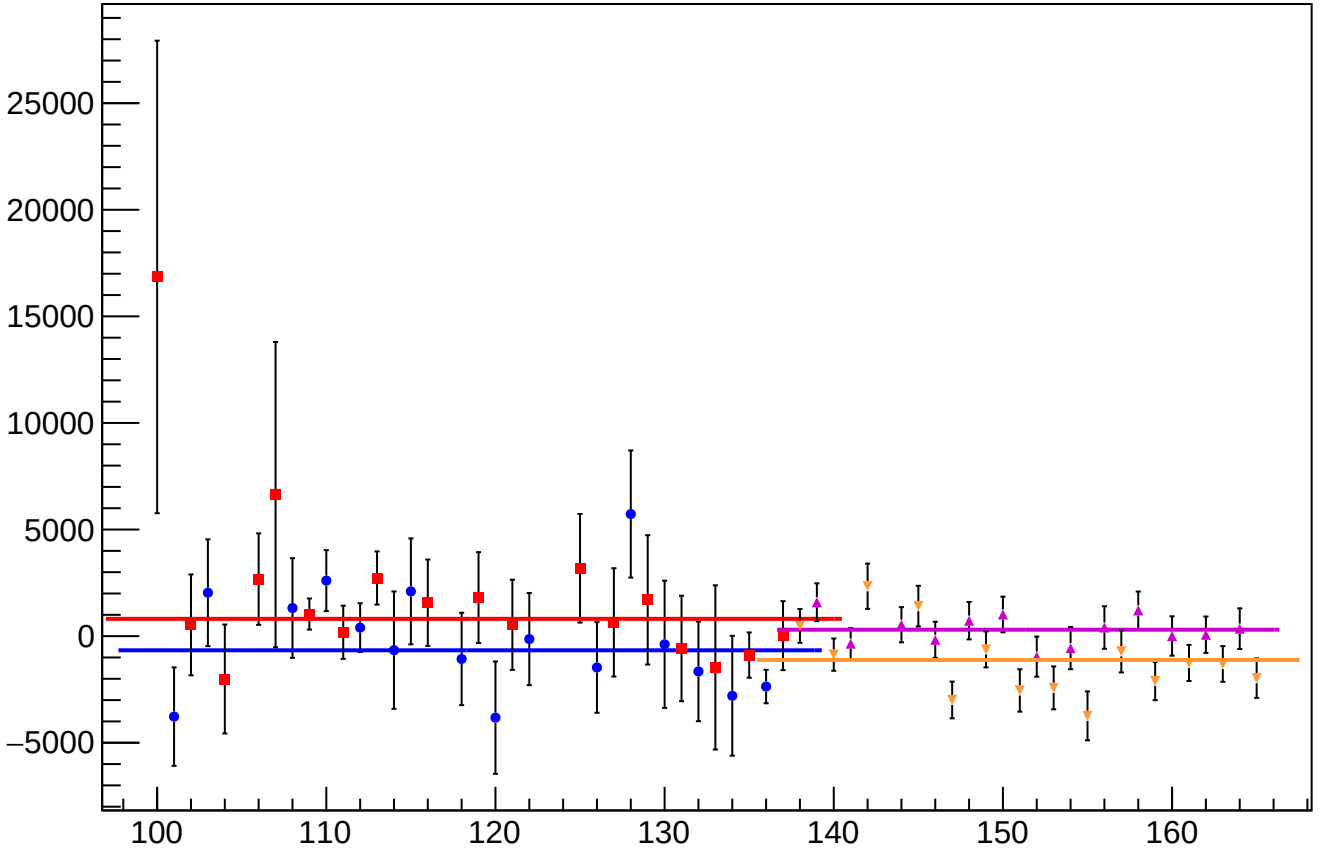
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1811.292+/-0.302 χ^2/NDF:302788.7/28

Out: 1810.035+/-0.301 χ^2/NDF:139862.1/31

All: 1810.662+/-0.213 χ^2/NDF: 442659.5/60

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1118.010+/-241.947 χ^2/NDF:38.2/13

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 302.587+/-243.759 χ^2/NDF:8.1/12

Left: -413.011+/-171.720 χ^2/NDF: 63.4/26

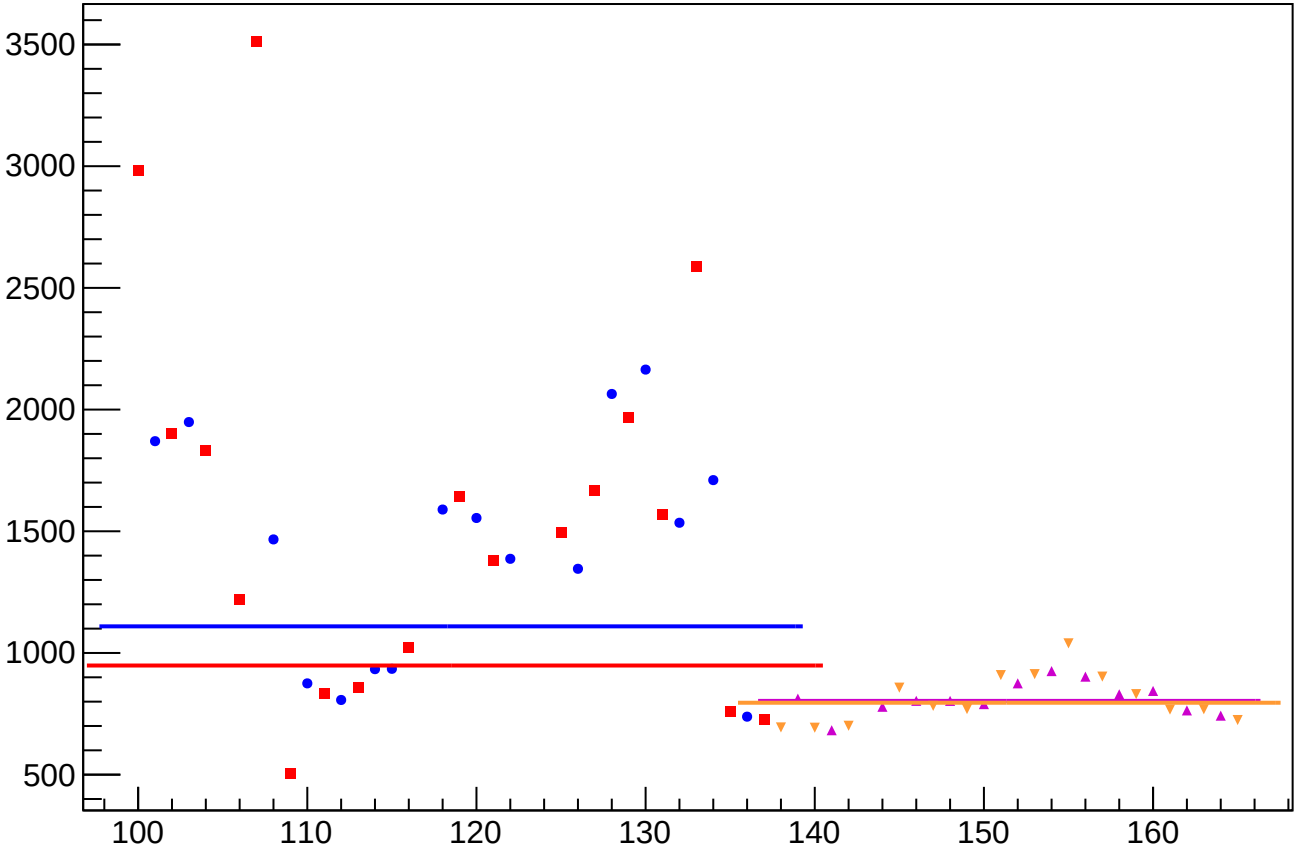
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 80.310+/-213.886 χ^2/NDF:34.5/28

Out: -595.620+/-206.629 χ^2/NDF:67.7/31

All: -269.317+/-148.608 χ^2/NDF: 107.3/60

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 795.490+/-0.171 χ^2/NDF:282673.3/13

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 803.072+/-0.172 χ^2/NDF:137642.8/12

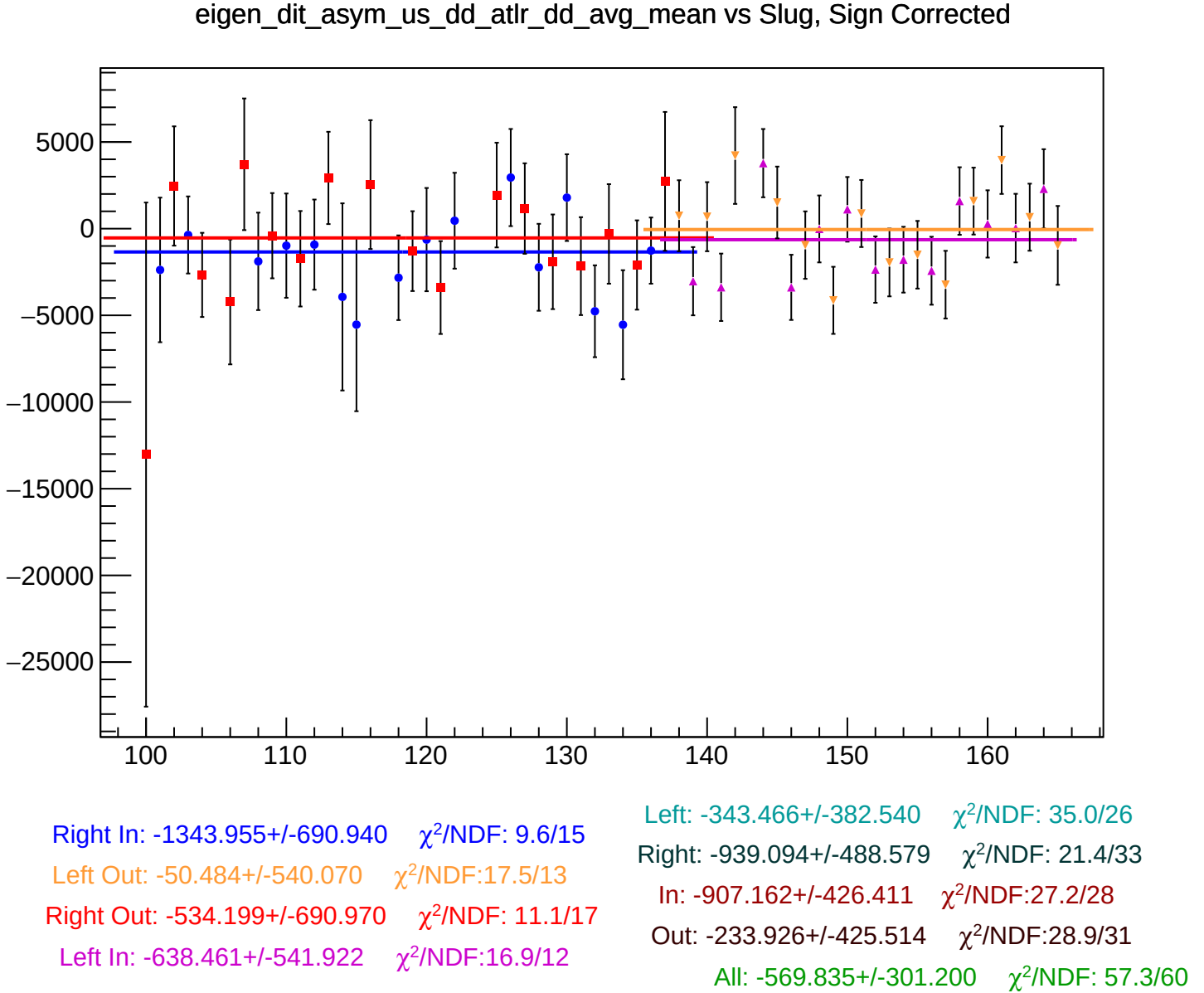
Left: 799.253+/-0.121 χ^2/NDF: 421290.7/26

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 873.544+/-0.151 χ^2/NDF:2837544.7/28

Out: 836.884+/-0.146 χ^2/NDF:3552650.4/31

All: 854.581+/-0.105 χ^2/NDF: 6420586.1/60


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
100
110
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130
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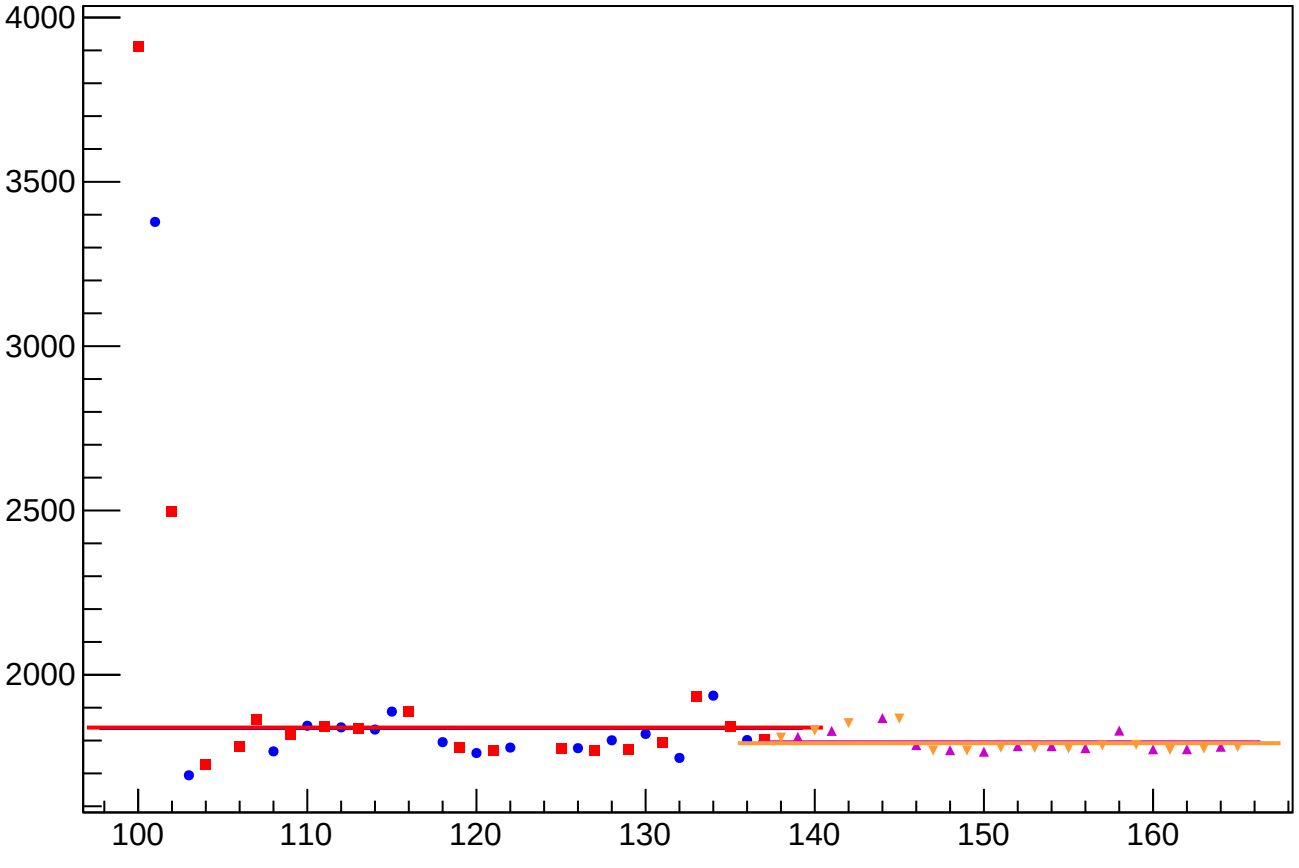
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -50.484+/-540.070 χ²/NDF:17.5/13
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -638.461+/-541.922 χ²/NDF:16.9/12
Left: -343.466+/-382.540 χ²/NDF: 35.0/26
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -907.162+/-426.411 χ²/NDF:27.2/28
Out: -233.926+/-425.514 χ²/NDF:28.9/31
All: -569.835+/-301.200 χ²/NDF: 57.3/60



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.023+/-0.382 χ^2/NDF:5742.8/13

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.1/12

Left: 1793.388+/-0.270 χ^2/NDF: 11688.6/26

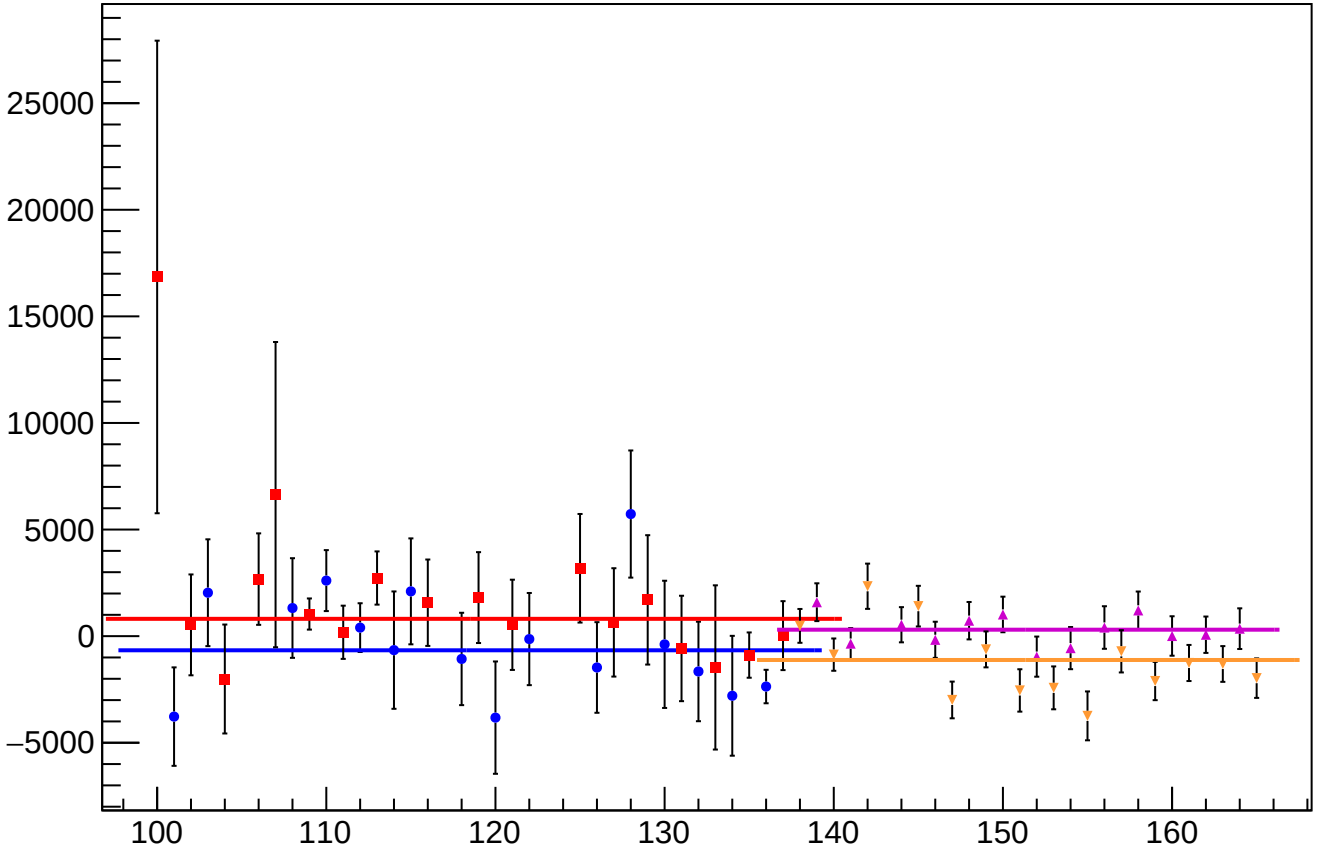
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1811.291+/-0.302 χ^2/NDF:302788.6/28

Out: 1810.035+/-0.301 χ^2/NDF:139862.2/31

All: 1810.662+/-0.213 χ^2/NDF: 442659.5/60

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1118.016+/-241.948 χ^2/NDF:38.2/13

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 302.584+/-243.759 χ^2/NDF:8.1/12

Left: -413.014+/-171.720 χ^2/NDF: 63.4/26

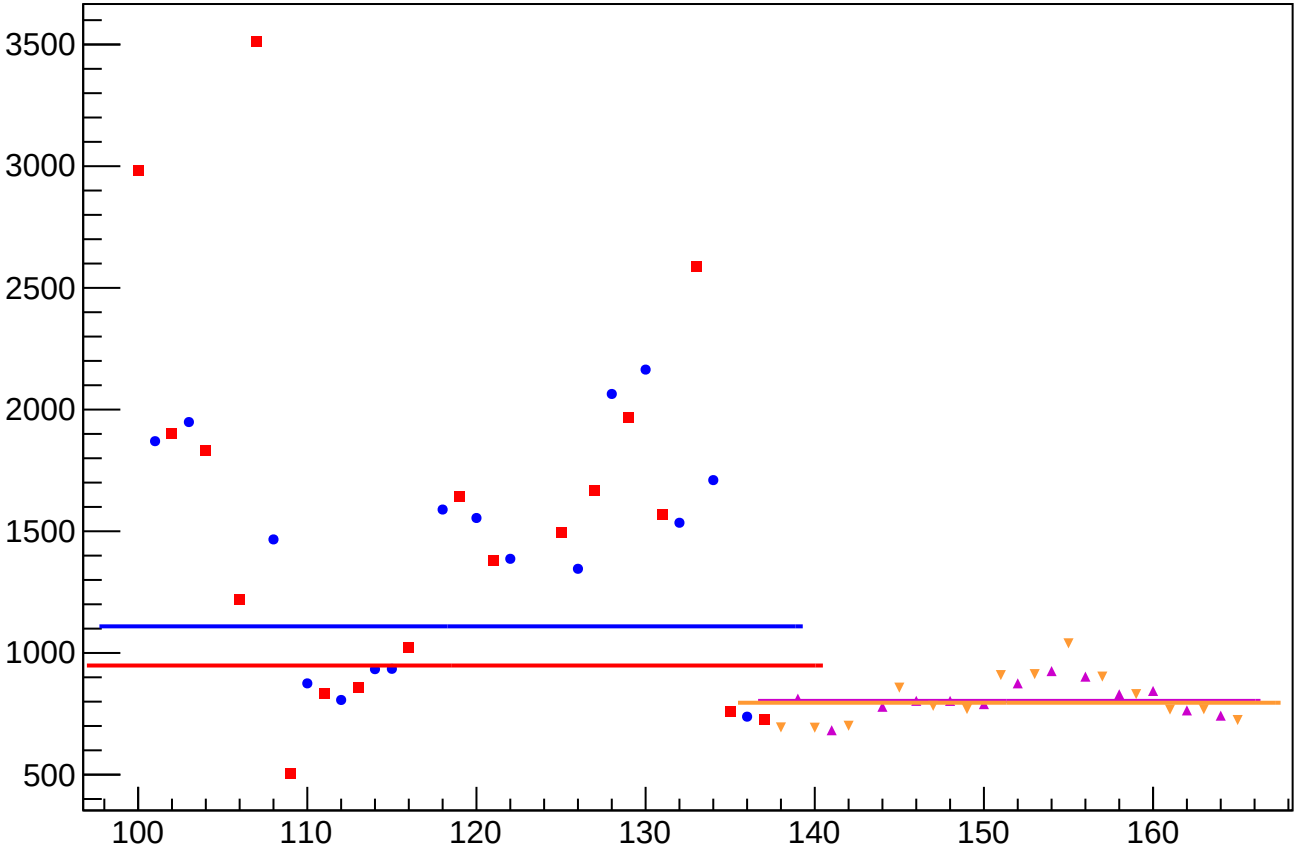
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 80.311+/-213.886 χ^2/NDF:34.5/28

Out: -595.622+/-206.629 χ^2/NDF:67.7/31

All: -269.317+/-148.608 χ^2/NDF: 107.3/60

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: 795.492+/-0.171 χ^2/NDF:282660.7/13

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 803.072+/-0.172 χ^2/NDF:137646.3/12

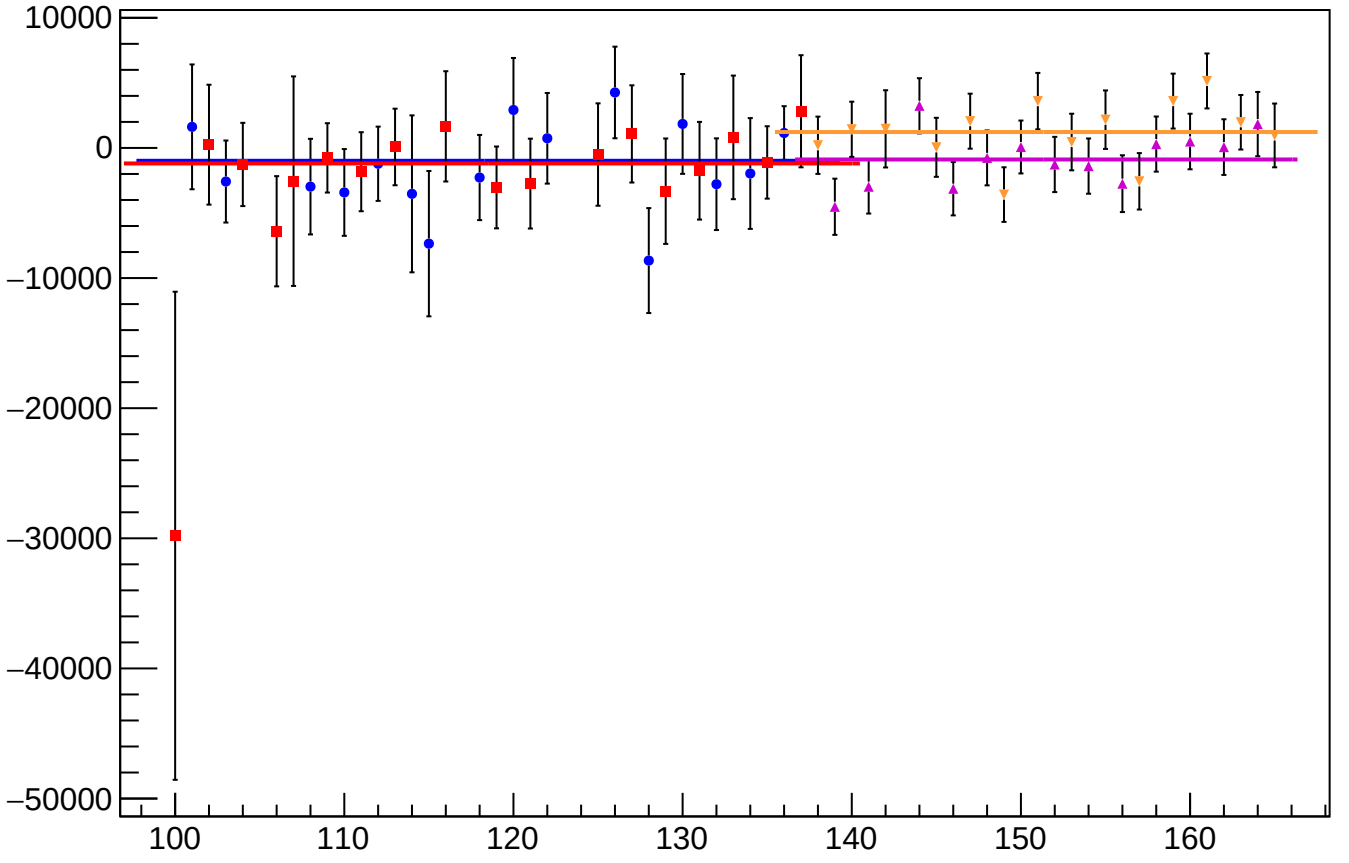
Left: 799.254+/-0.121 χ^2/NDF: 421281.3/26

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 873.545+/-0.151 χ^2/NDF:2837519.2/28

Out: 836.886+/-0.146 χ^2/NDF:3552613.7/31

All: 854.583+/-0.105 χ^2/NDF: 6420522.3/60



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1222.906+/-590.735 χ^2/NDF:15.3/13

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -886.259+/-591.879 χ^2/NDF:12.0/12

Left: 170.364+/-418.117 χ^2/NDF: 33.7/26

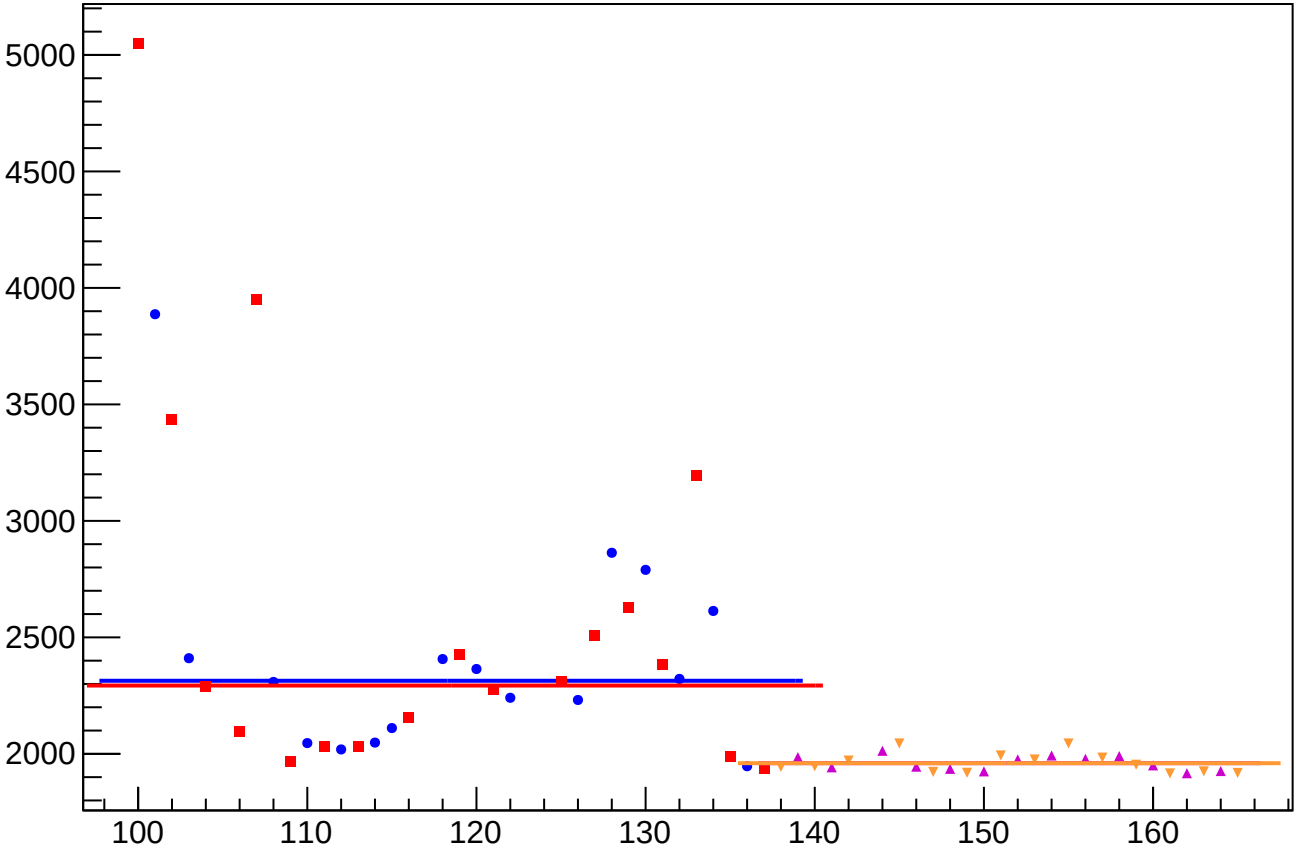
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -918.109+/-490.048 χ^2/NDF:24.0/28

Out: 461.322+/-488.797 χ^2/NDF:27.6/31

All: -226.631+/-346.073 χ^2/NDF: 55.5/60

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: 1959.847+/-0.418 χ^2/NDF:10078.3/13

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1960.121+/-0.419 χ^2/NDF:5040.8/12

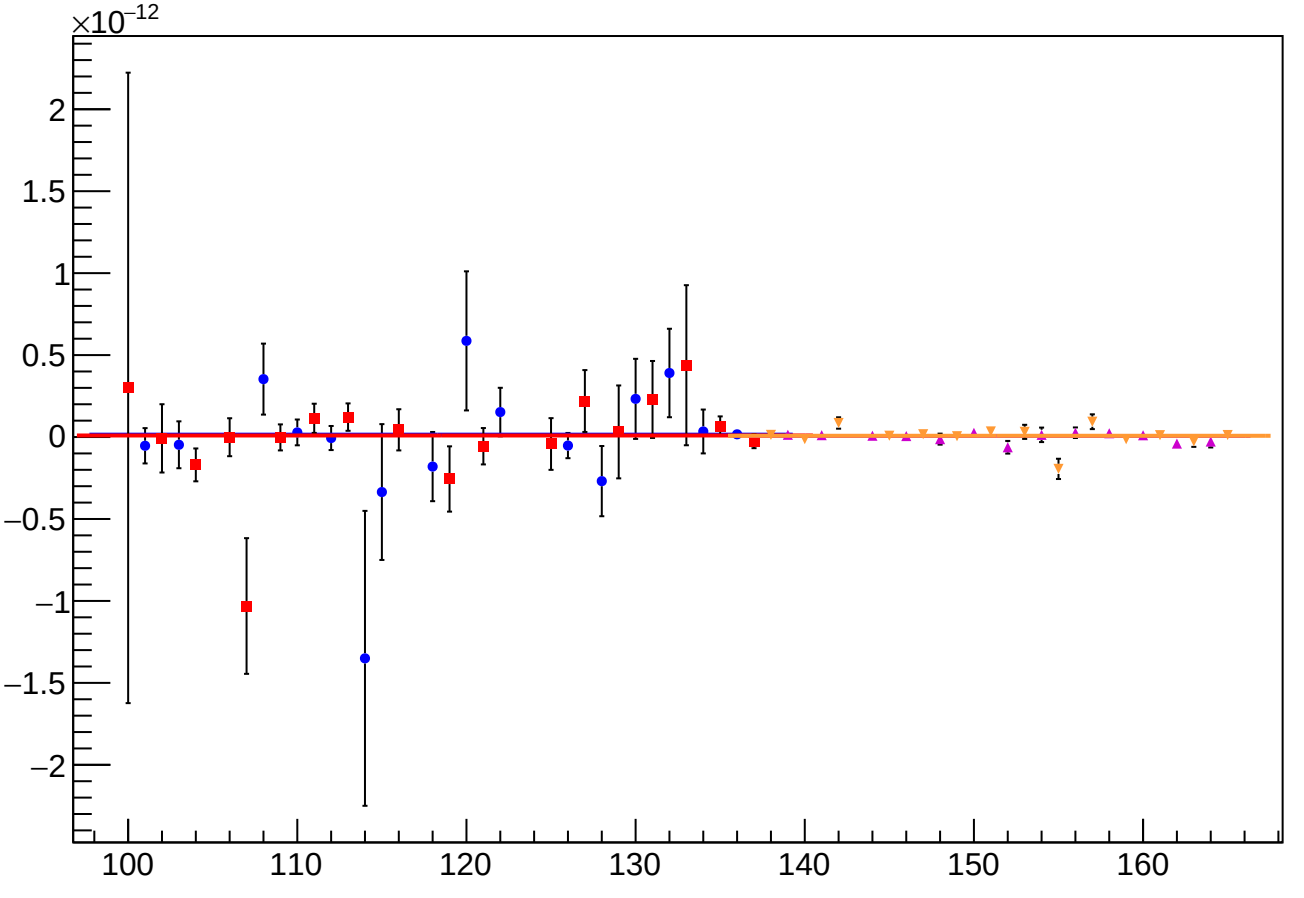
Left: 1959.984+/-0.296 χ^2/NDF: 15119.3/26

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2071.333+/-0.347 χ^2/NDF:632316.1/28

Out: 2064.993+/-0.346 χ^2/NDF:664206.7/31

All: 2068.155+/-0.245 χ^2/NDF: 1296690.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:8.8/12

Left: 0.000+/-0.000 χ^2/NDF: 32.8/26

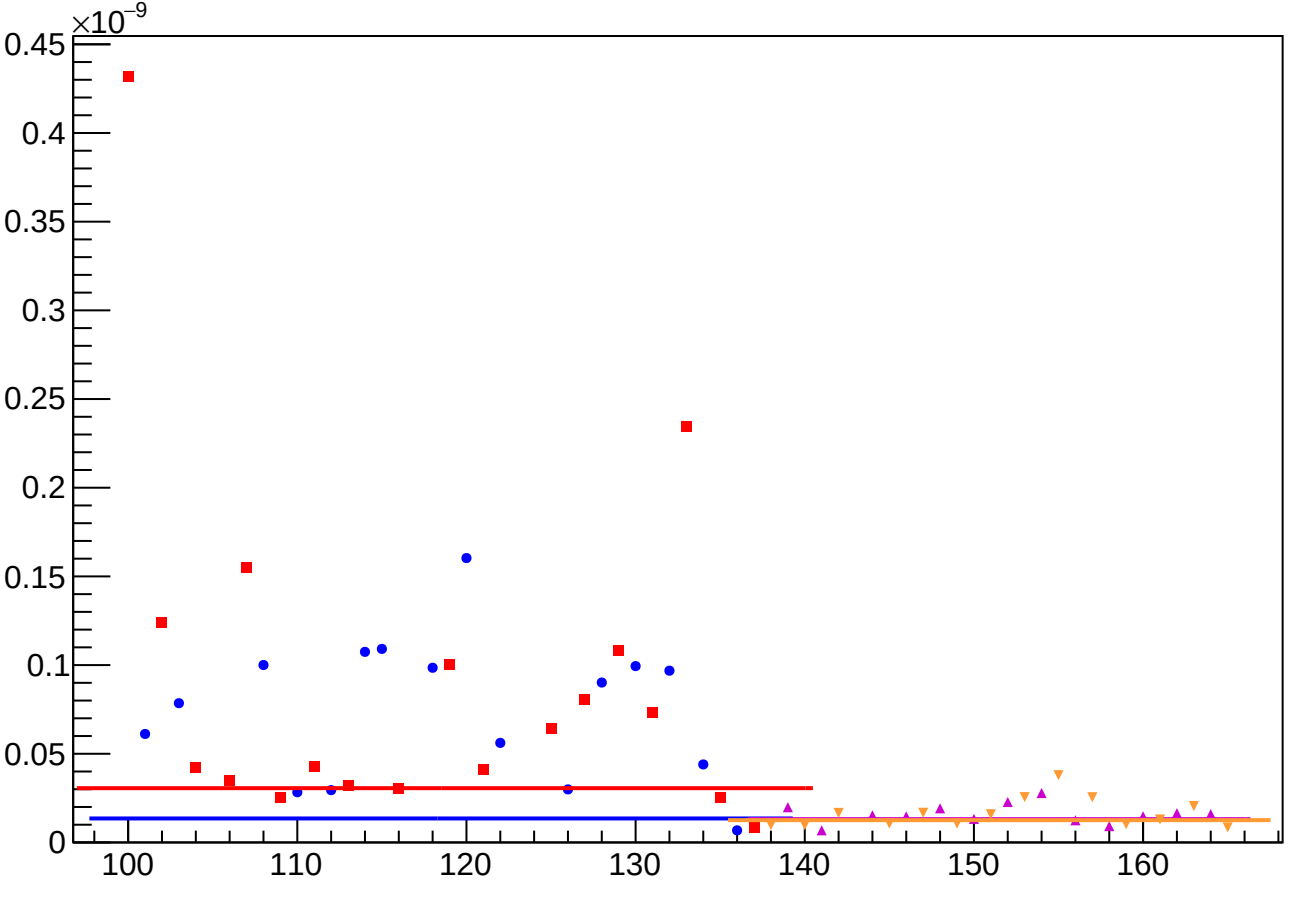
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:24.1/28

Out: 0.000+/-0.000 χ^2/NDF:43.5/31

All: 0.000+/-0.000 χ^2/NDF: 67.6/60

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:1108566.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1049631.5/12

Left: 0.000+/-0.000 χ^2/NDF: 2164846.0/26

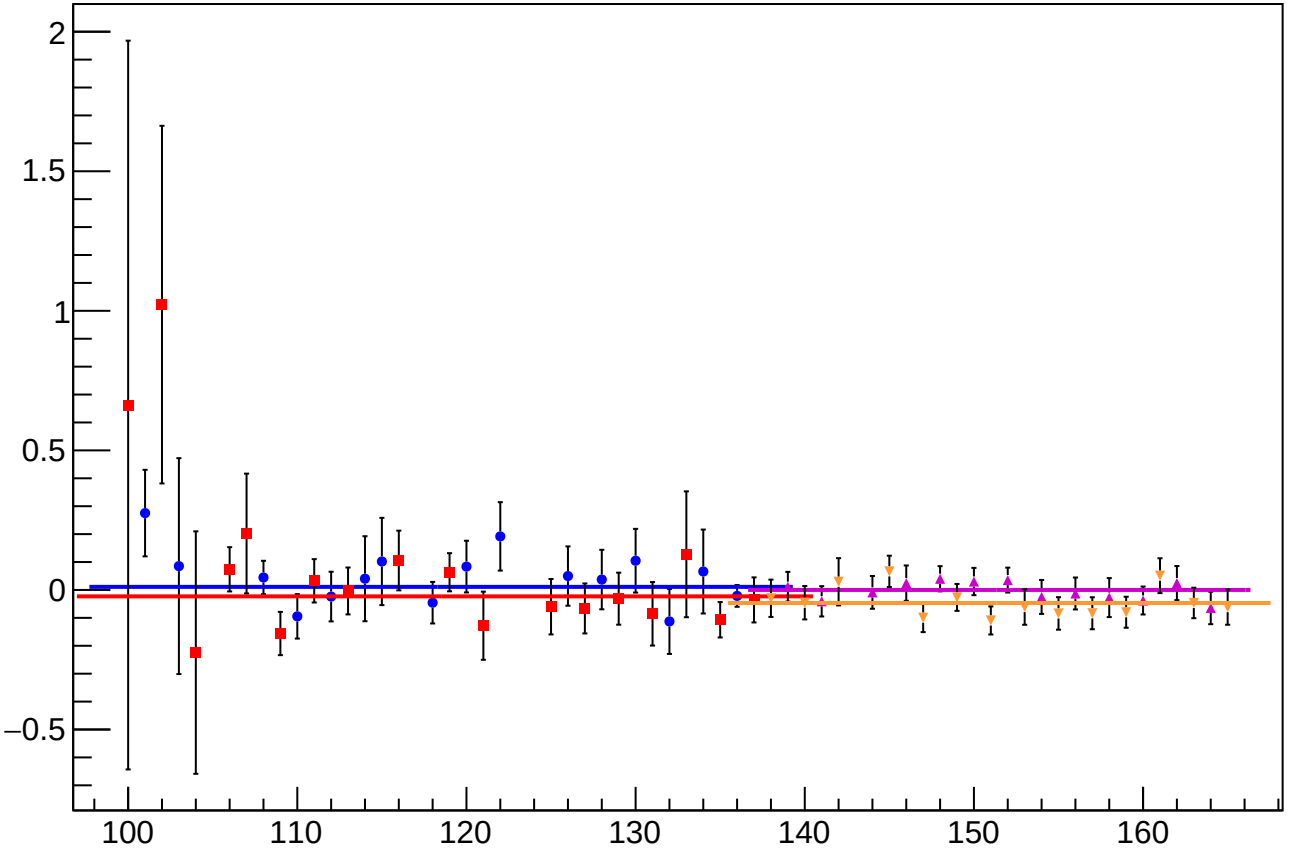
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4466922.2/28

Out: 0.000+/-0.000 χ^2/NDF:4495160.8/31

All: 0.000+/-0.000 χ^2/NDF: 8973522.7/60

asym_us_dd_atlr_dd_avg_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:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.015 χ^2/NDF:4.9/12

Left: -0.023+/-0.011 χ^2/NDF: 21.0/26

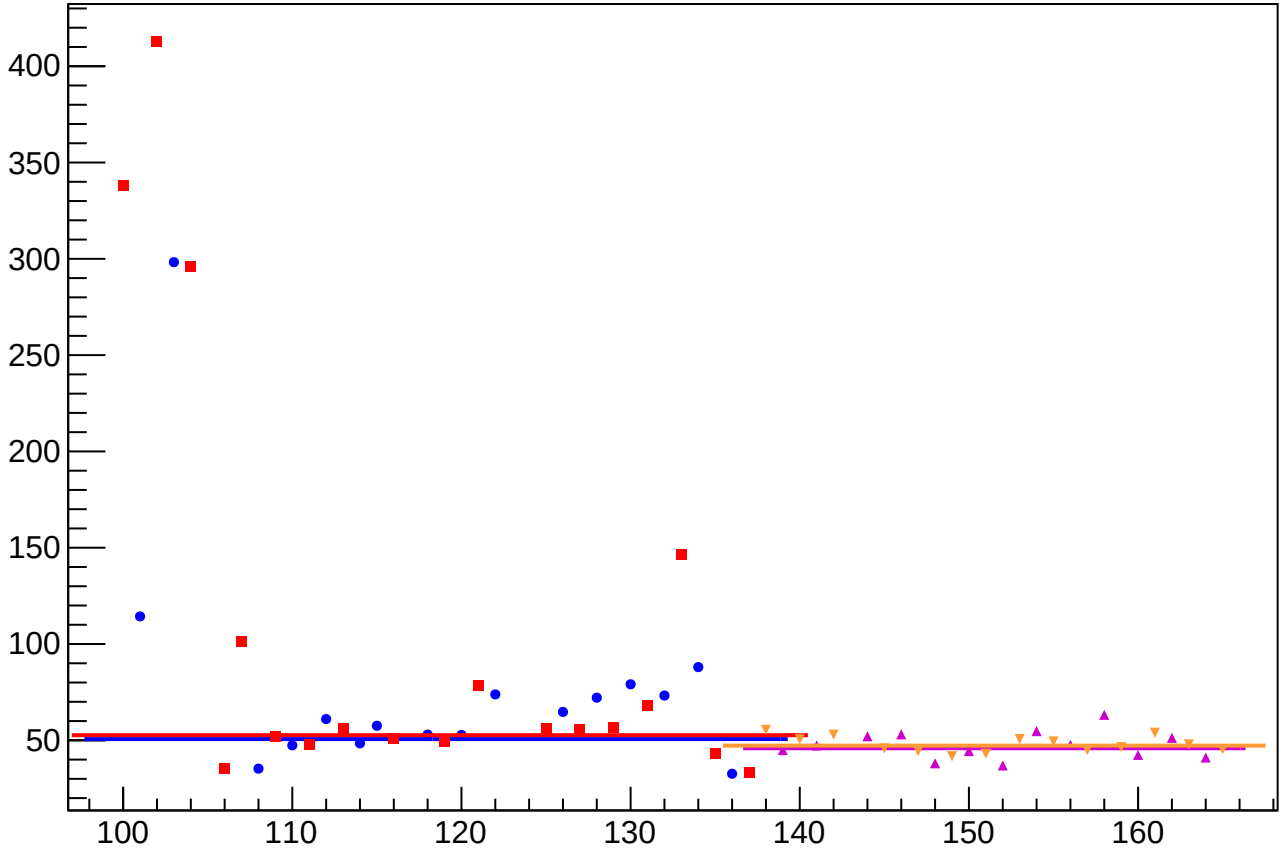
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.012 χ^2/NDF:16.8/28

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.017+/-0.009 χ^2/NDF: 50.7/60

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: 47.252+/-0.011 χ^2/NDF:129781.7/13

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

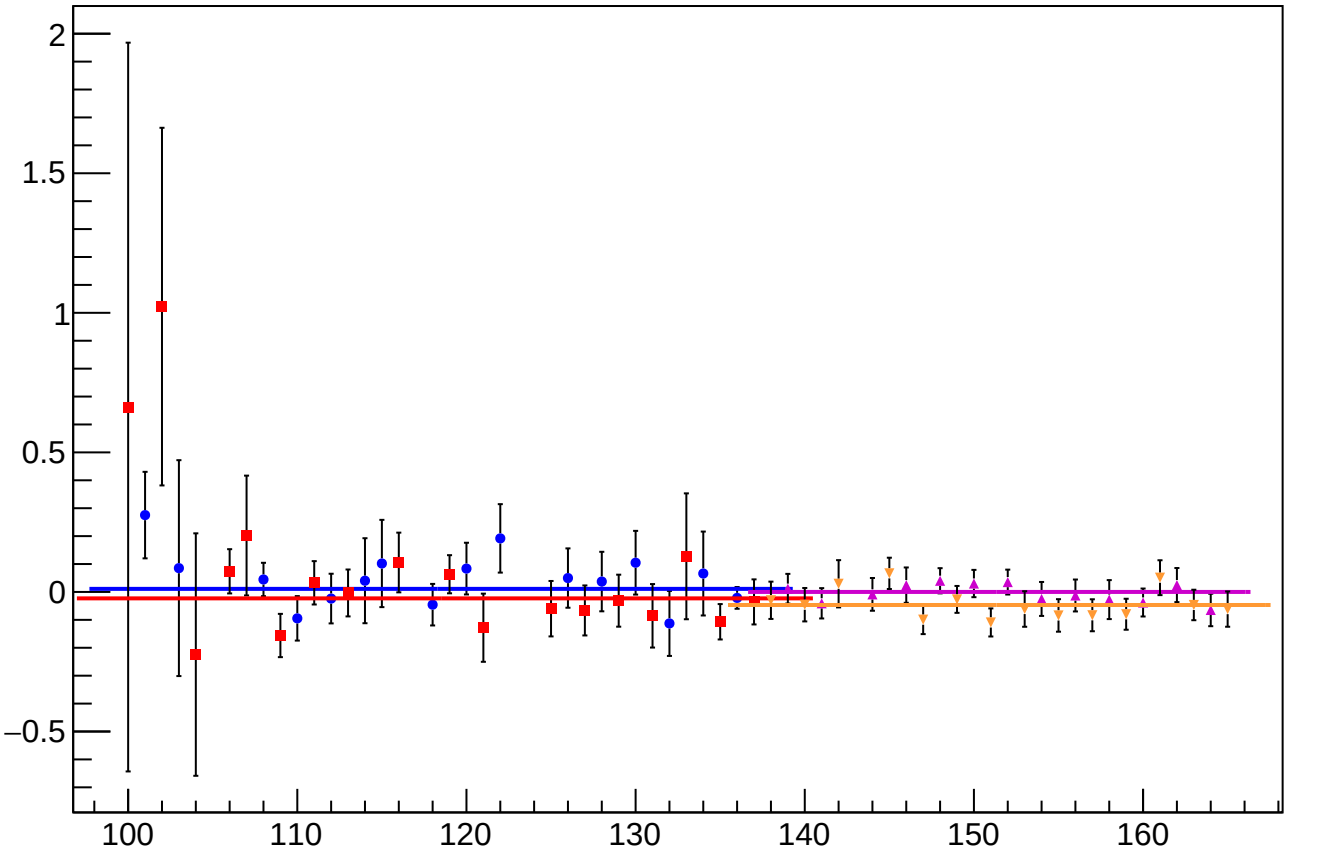
Left: 46.551+/-0.008 χ^2/NDF: 536580.1/26

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

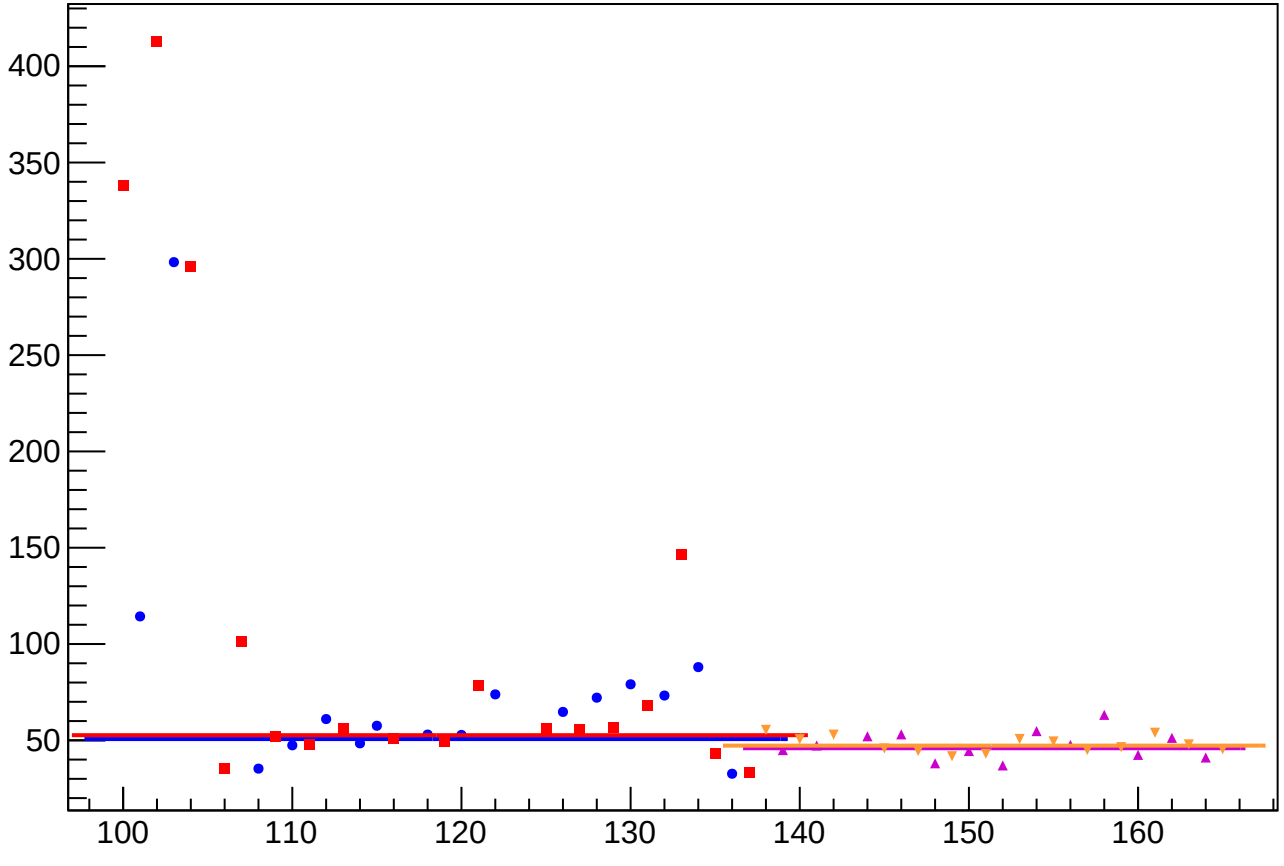
In: 47.421+/-0.009 χ^2/NDF:2729421.9/28

Out: 48.929+/-0.009 χ^2/NDF:2417475.2/31

All: 48.149+/-0.006 χ^2/NDF: 5161127.0/60


asym_us_dd_atlr_dd_avg_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
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.047+/-0.015 χ²/NDF:11.5/13
Right Out: -0.023+/-0.023 χ²/NDF: 16.0/17
Left In: 0.000+/-0.015 χ²/NDF:4.9/12
Left: -0.023+/-0.011 χ²/NDF: 21.0/26
Right: -0.005+/-0.016 χ²/NDF: 28.8/33
In: 0.004+/-0.012 χ²/NDF:16.8/28
Out: -0.039+/-0.013 χ²/NDF:28.1/31
All: -0.017+/-0.009 χ²/NDF: 50.7/60

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: 47.252+/-0.011 χ^2/NDF:129781.7/13

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

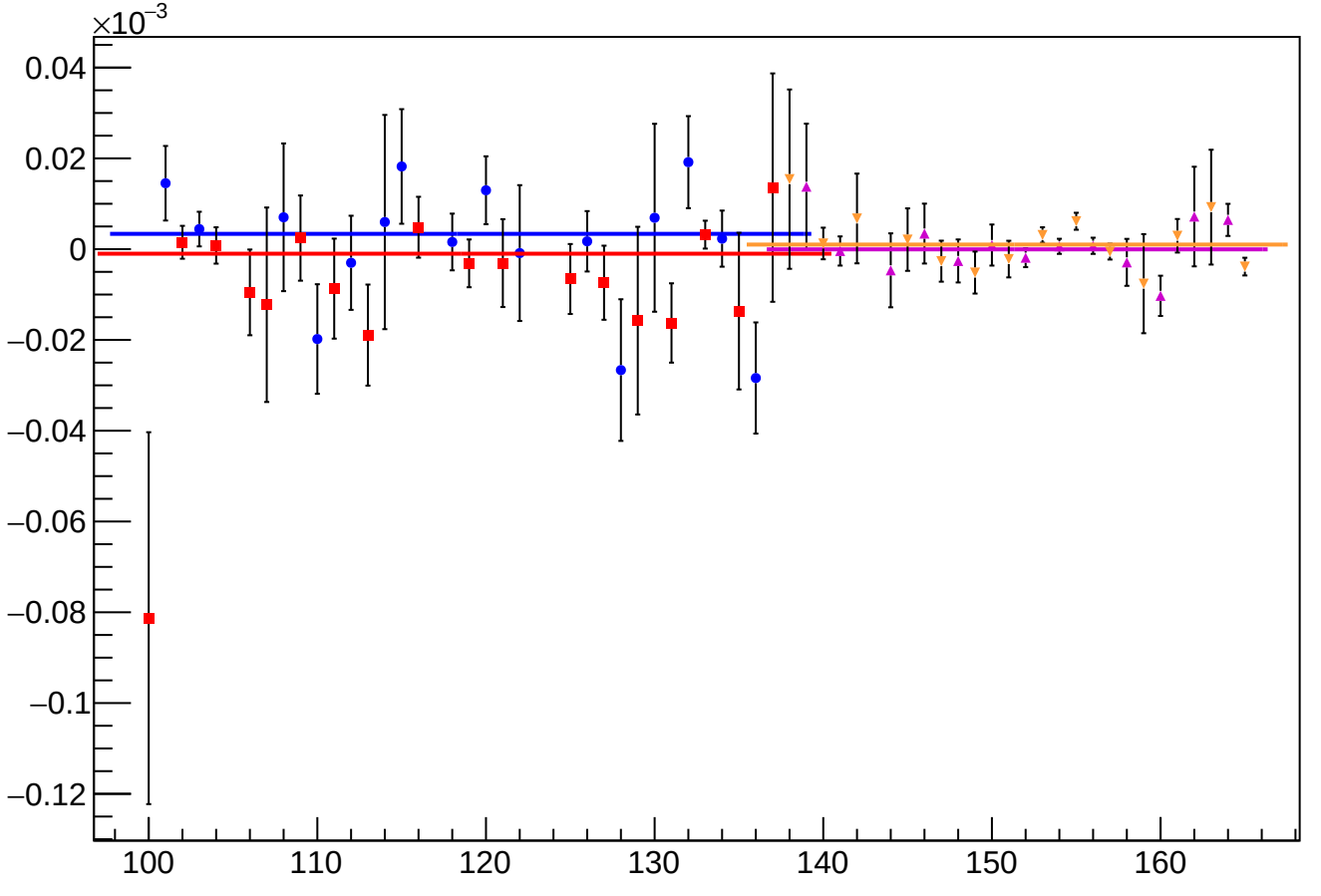
Left: 46.551+/-0.008 χ^2/NDF: 536580.1/26

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.421+/-0.009 χ^2/NDF:2729421.9/28

Out: 48.929+/-0.009 χ^2/NDF:2417475.2/31

All: 48.149+/-0.006 χ^2/NDF: 5161127.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/12

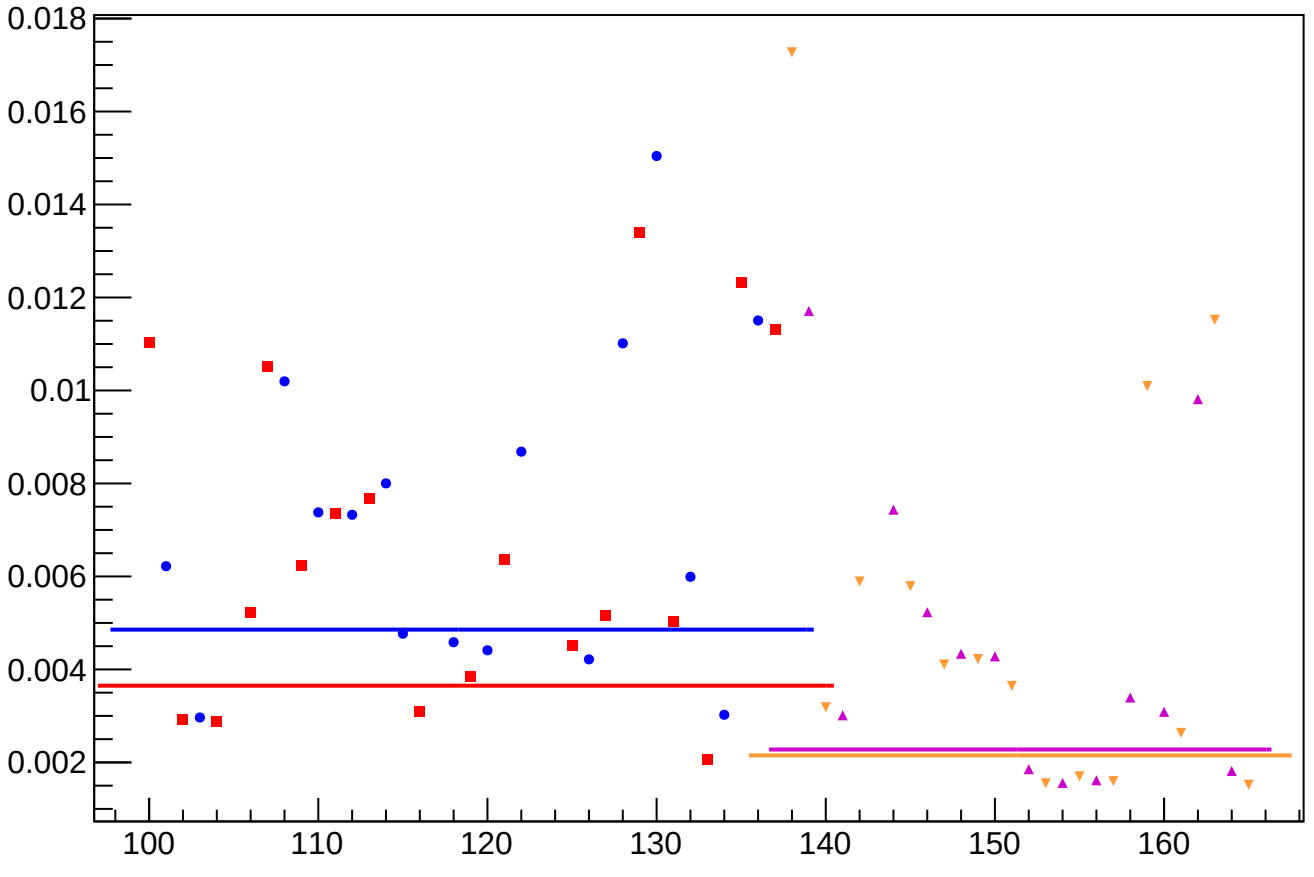
Left: 0.000+/-0.000 χ^2/NDF: 34.6/26

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:37.0/28

Out: 0.000+/-0.000 χ^2/NDF:39.9/31

All: 0.000+/-0.000 χ^2/NDF: 76.9/60



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6210300.0/13

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:4870594.5/12

Left: 0.002+/-0.000 χ^2/NDF: 11103625.4/26

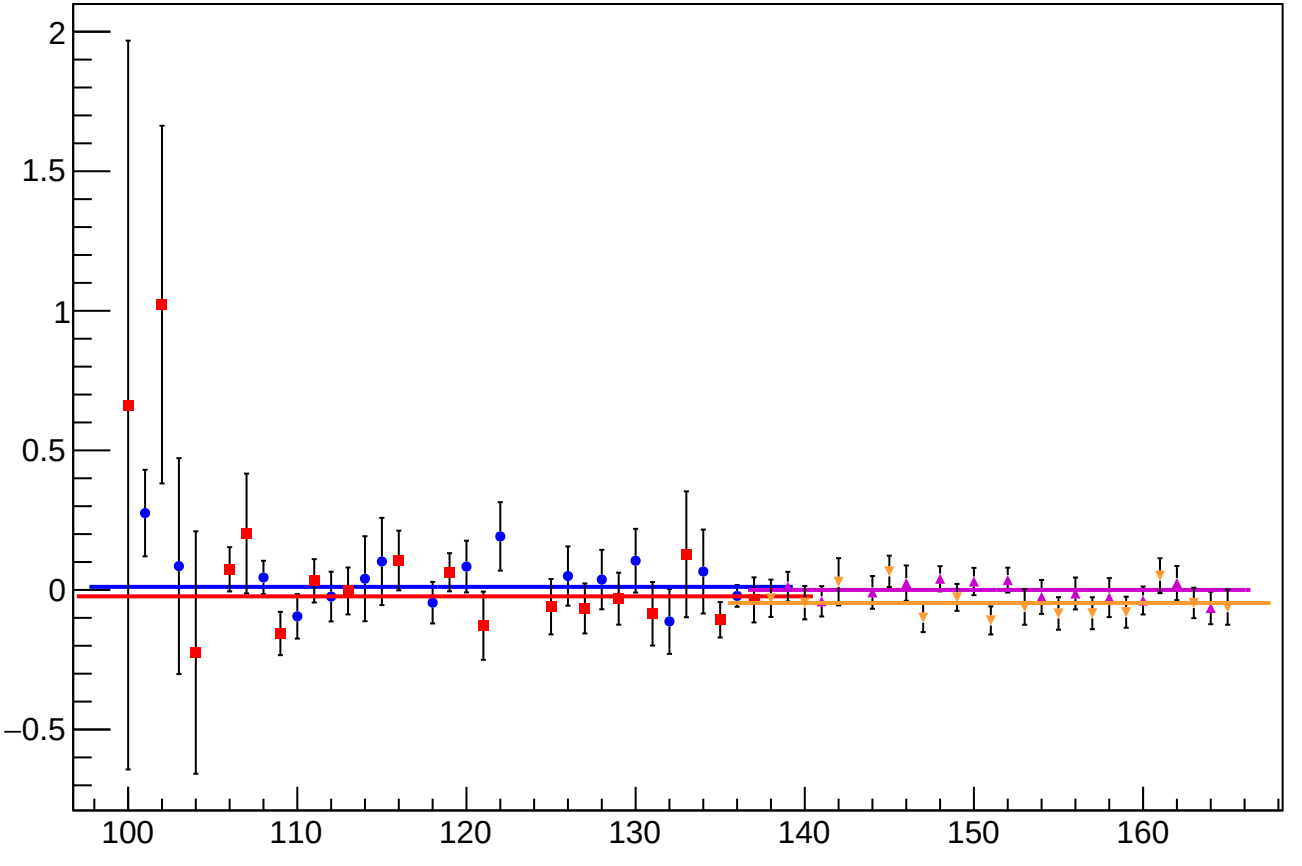
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10230635.7/28

Out: 0.002+/-0.000 χ^2/NDF:10774231.5/31

All: 0.003+/-0.000 χ^2/NDF: 21077509.8/60

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:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.015 χ^2/NDF:4.9/12

Left: -0.023+/-0.011 χ^2/NDF: 21.0/26

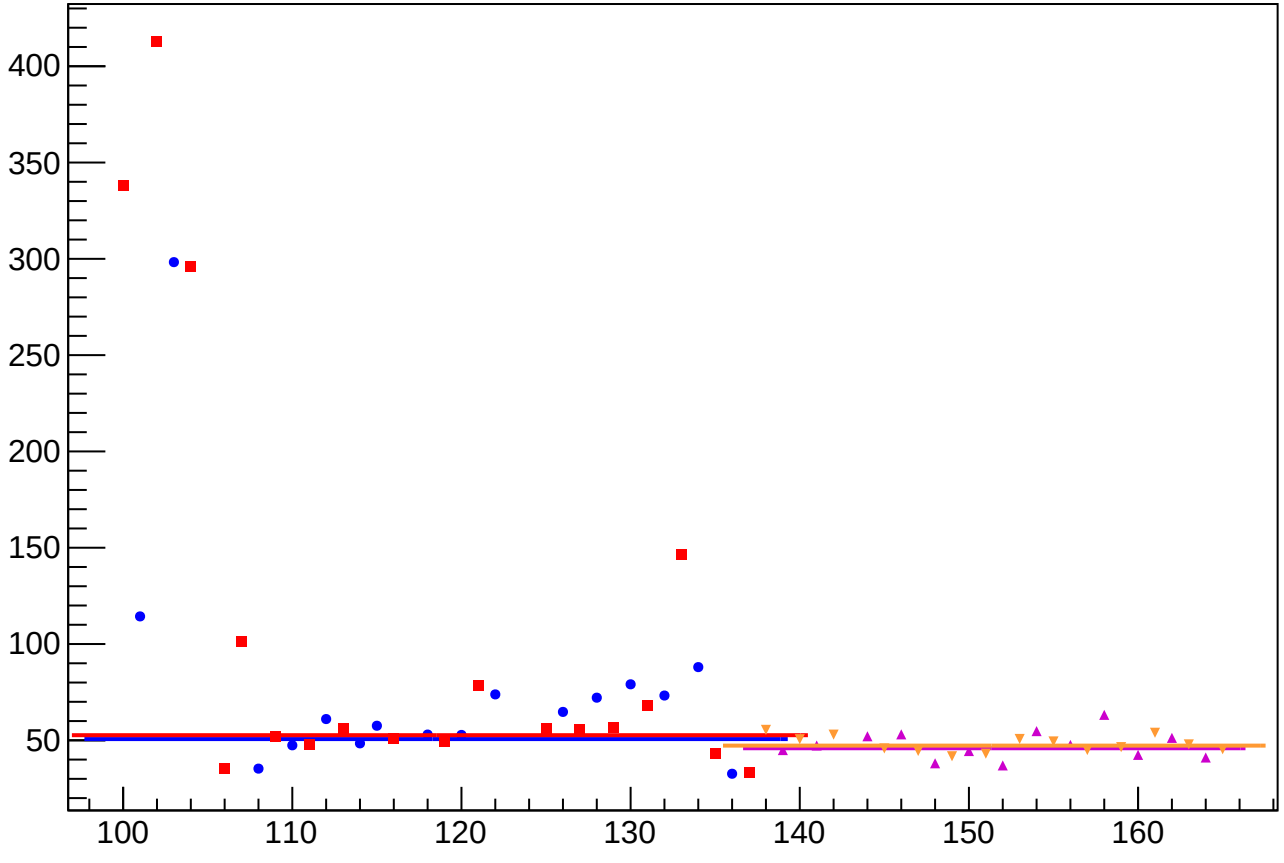
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.012 χ^2/NDF:16.8/28

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.017+/-0.009 χ^2/NDF: 50.7/60

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: 47.252+/-0.011 χ^2/NDF:129772.8/13

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

Left: 46.551+/-0.008 χ^2/NDF: 536521.6/26

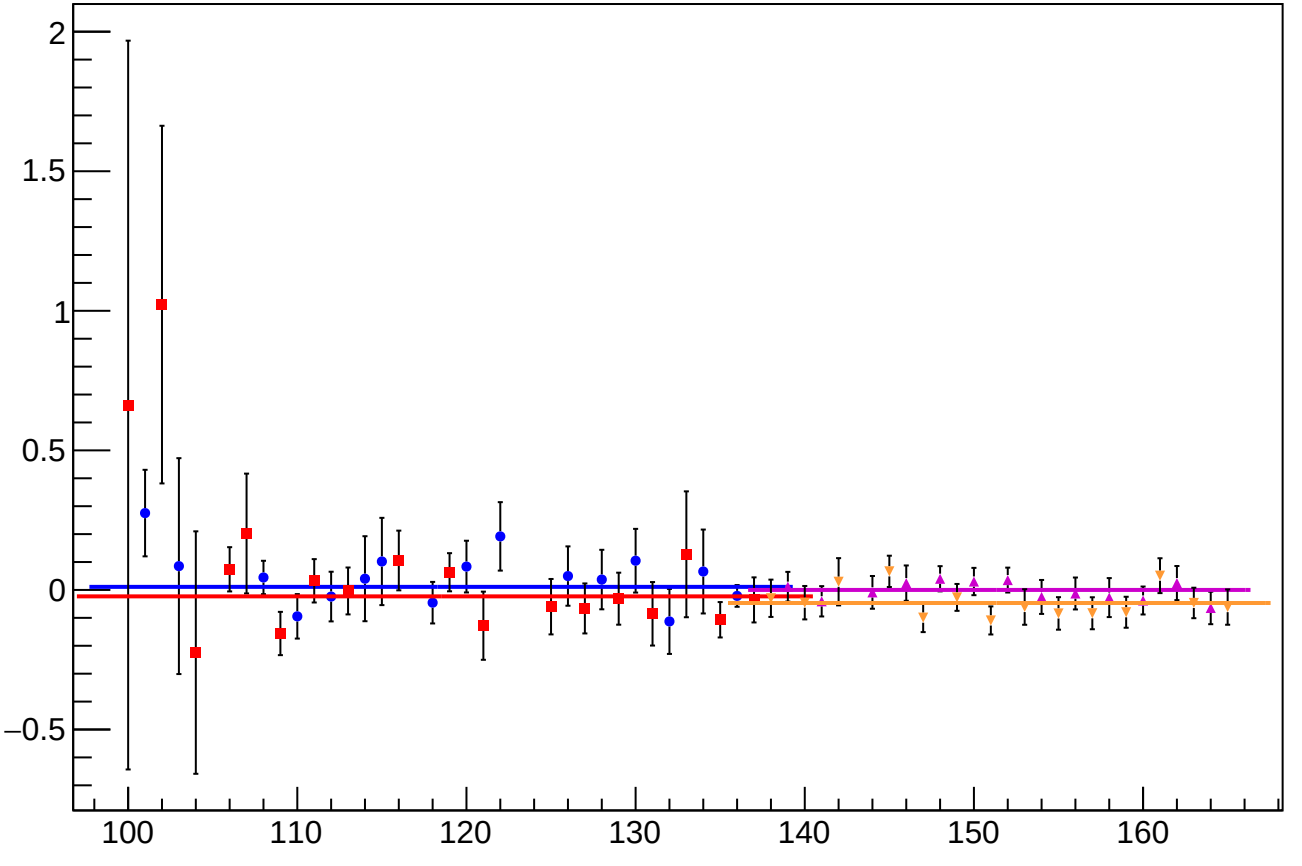
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.421+/-0.009 χ^2/NDF:2729292.5/28

Out: 48.929+/-0.009 χ^2/NDF:2417386.9/31

All: 48.149+/-0.006 χ^2/NDF: 5160903.2/60

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_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:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.015 χ^2/NDF:4.9/12

Left: -0.023+/-0.011 χ^2/NDF: 21.0/26

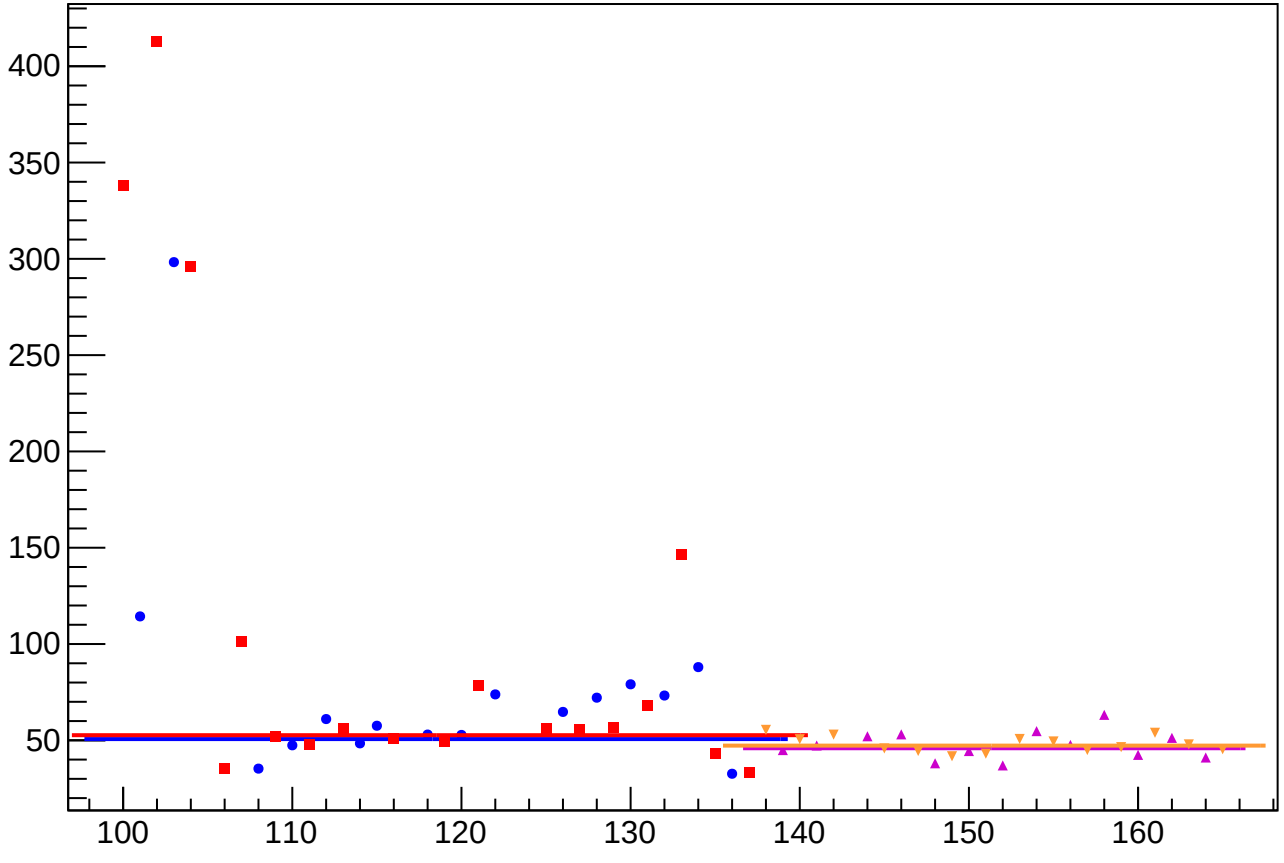
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.012 χ^2/NDF:16.8/28

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.017+/-0.009 χ^2/NDF: 50.7/60

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: 47.252+/-0.011 χ^2/NDF:129772.8/13

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

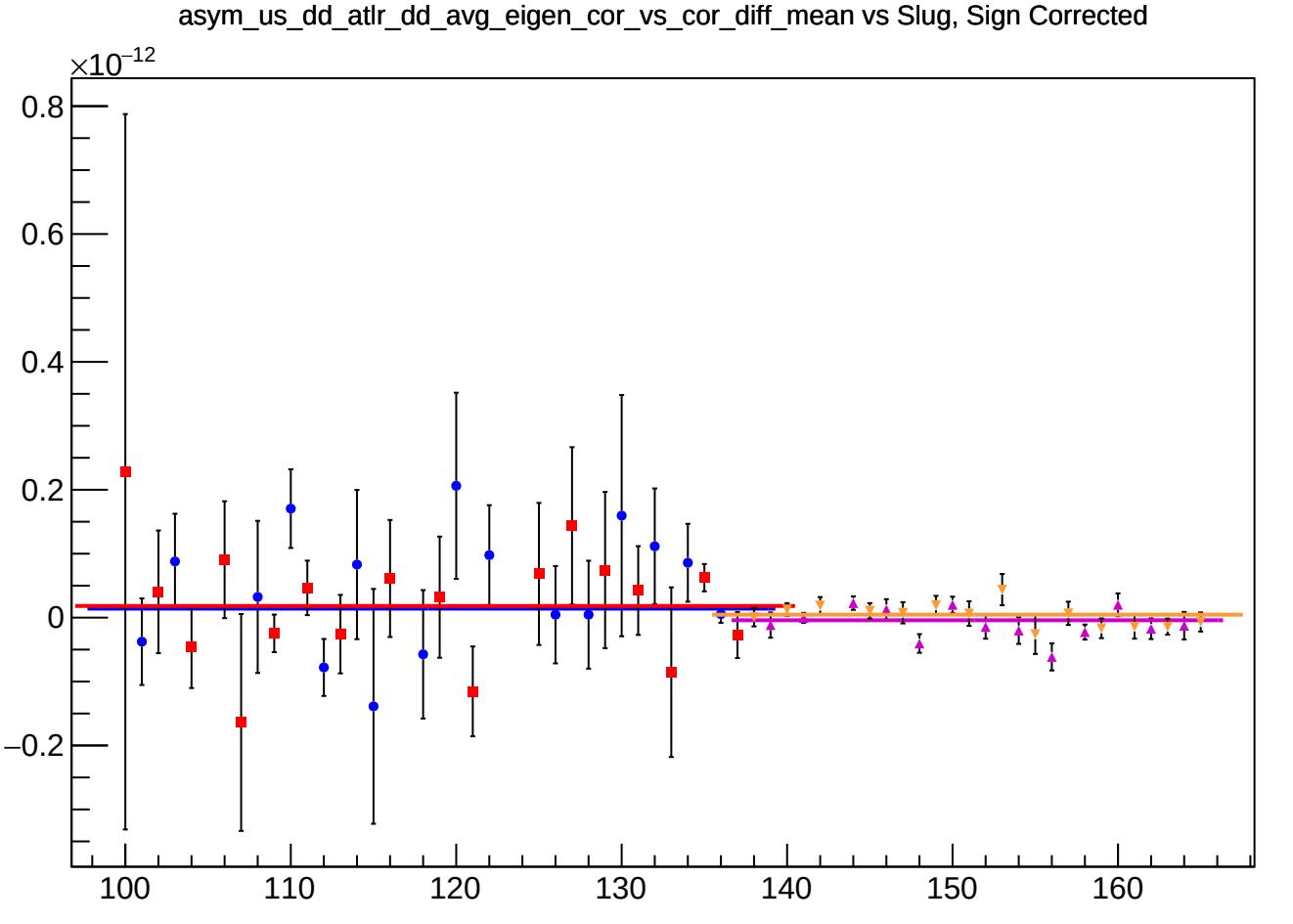
Left: 46.551+/-0.008 χ^2/NDF: 536521.6/26

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.421+/-0.009 χ^2/NDF:2729292.5/28

Out: 48.929+/-0.009 χ^2/NDF:2417386.9/31

All: 48.149+/-0.006 χ^2/NDF: 5160903.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:31.1/12

Left: 0.000+/-0.000 χ^2/NDF: 45.9/26

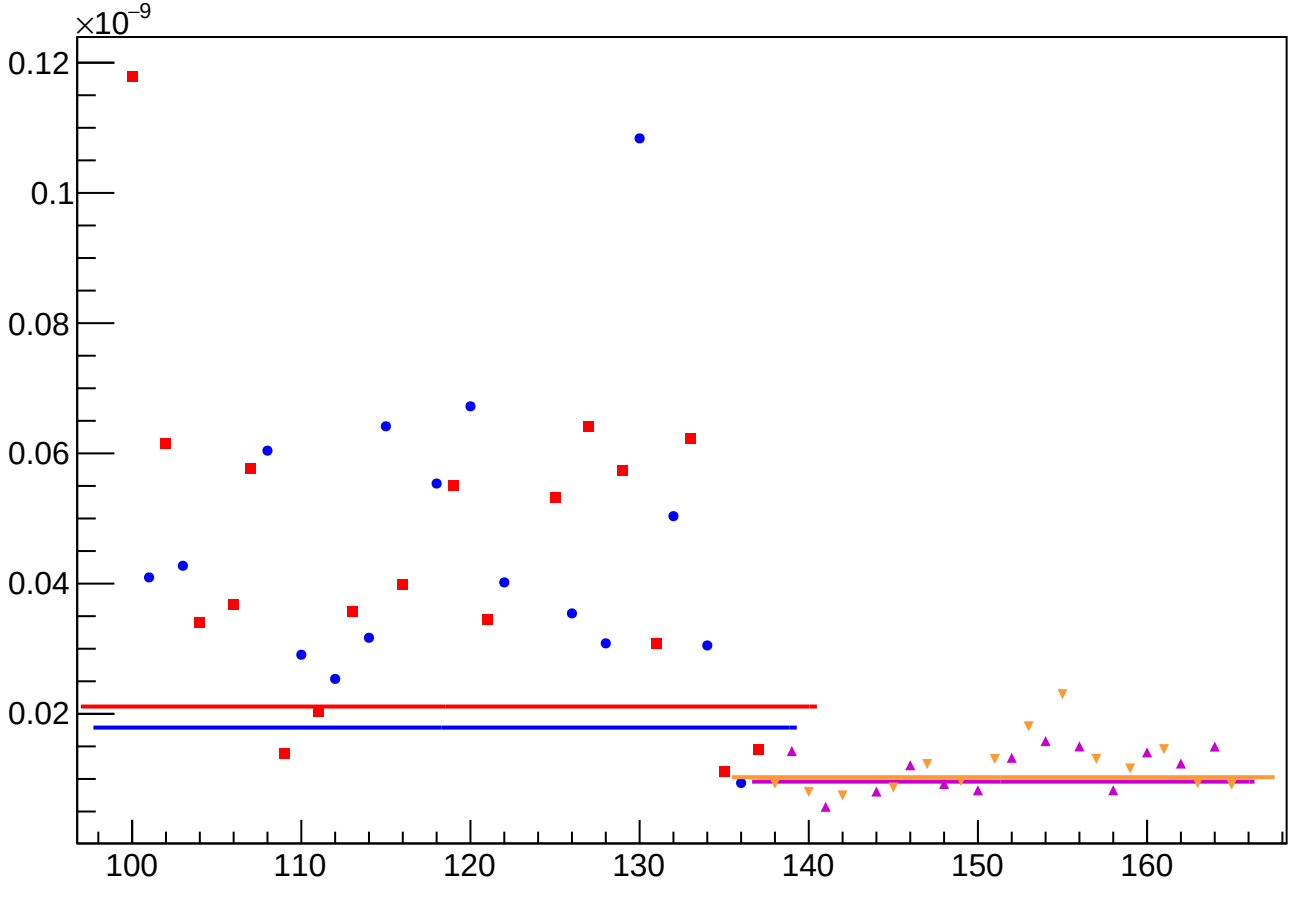
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:53.7/28

Out: 0.000+/-0.000 χ^2/NDF:31.5/31

All: 0.000+/-0.000 χ^2/NDF: 87.5/60

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1042519.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1434584.0/12

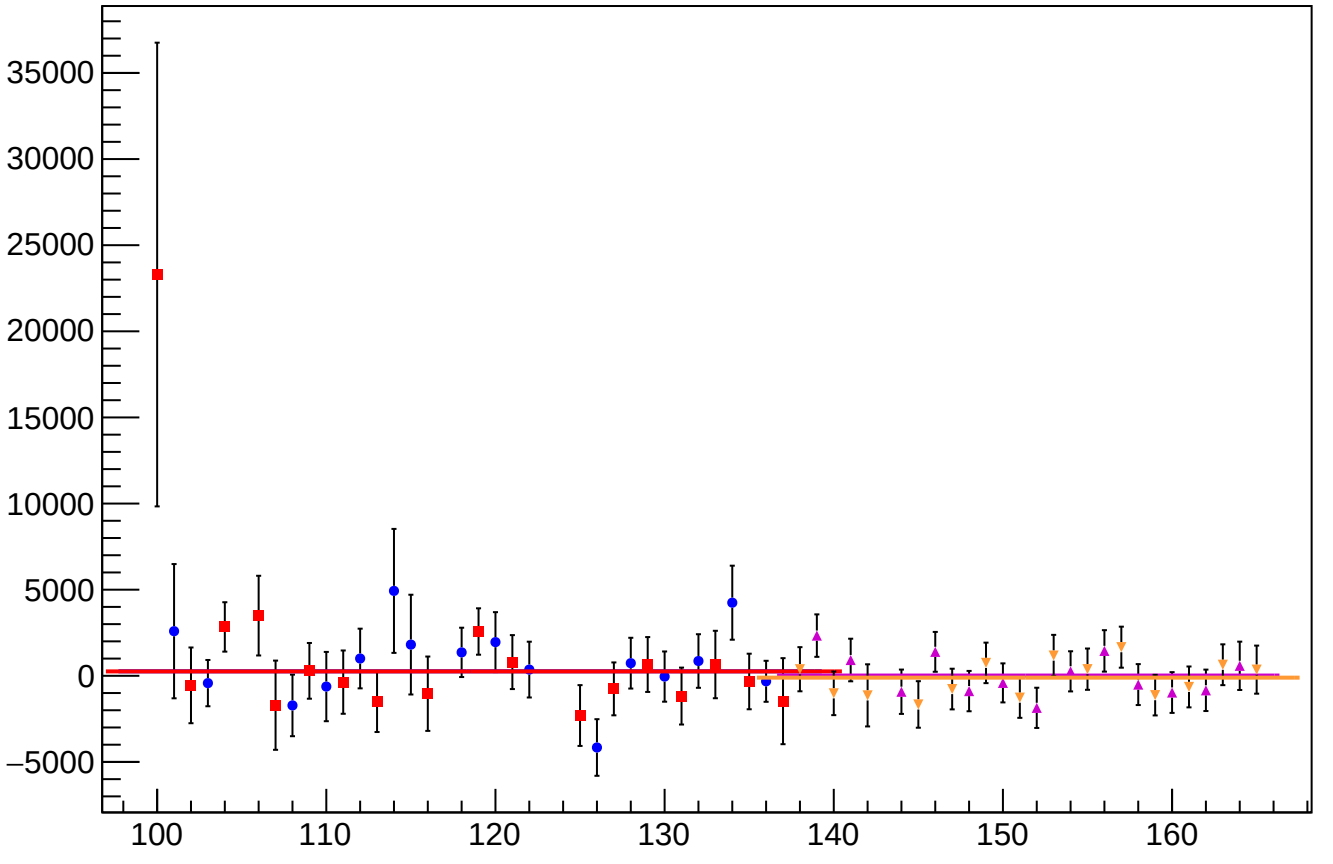
Left: 0.000+/-0.000 χ^2/NDF: 2507198.8/26

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5796022.9/28

Out: 0.000+/-0.000 χ^2/NDF:5022735.8/31

All: 0.000+/-0.000 χ^2/NDF: 10866885.1/60



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.956+/-333.225 χ^2/NDF:9.1/13

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 14.917+/-334.191 χ^2/NDF:12.4/12

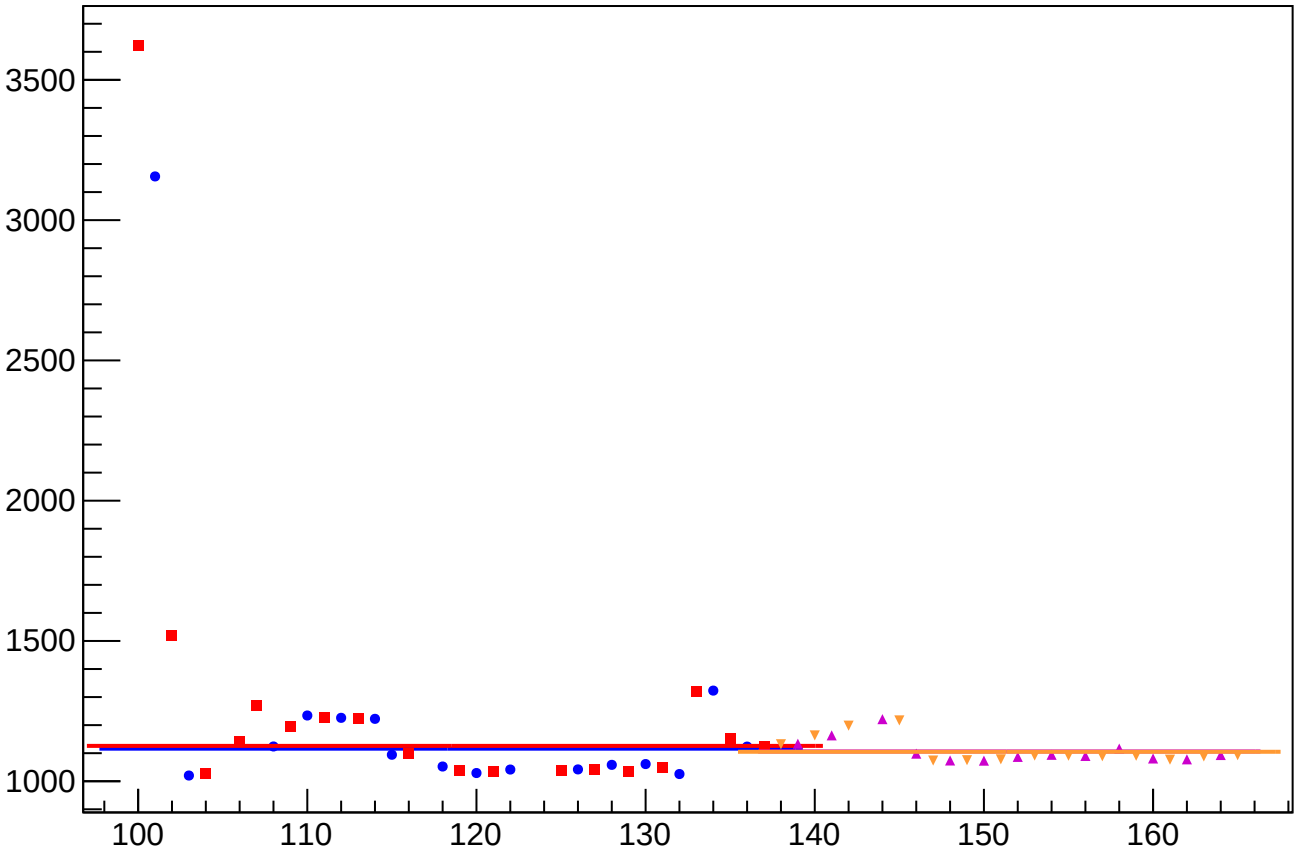
Left: -46.196+/-235.966 χ^2/NDF: 21.5/26

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 108.955+/-262.621 χ^2/NDF:29.5/28

Out: 30.884+/-262.416 χ^2/NDF:26.9/31

All: 69.889+/-185.628 χ^2/NDF: 56.5/60



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

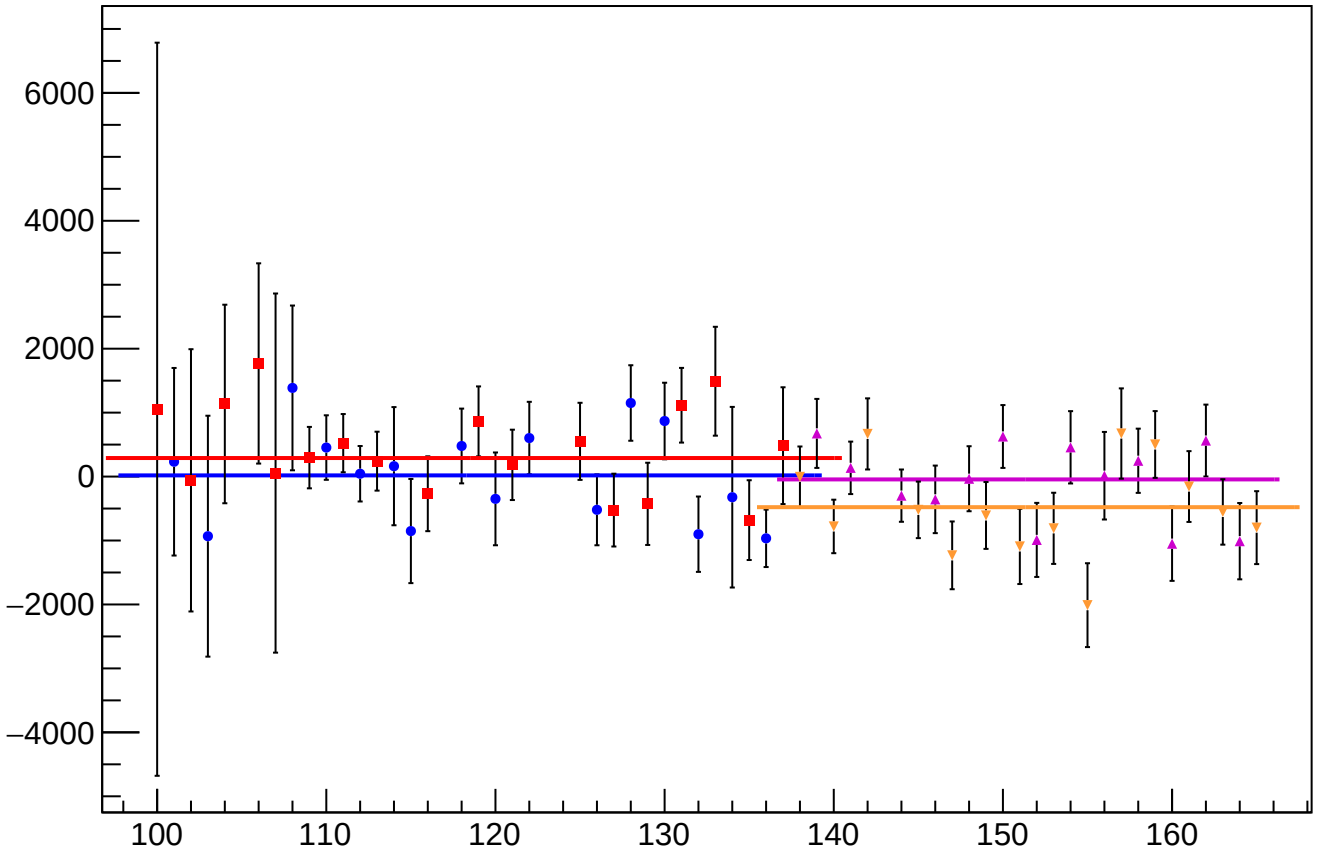
Left: 1105.584+/-0.167 χ^2/NDF: 58737.5/26

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1109.968+/-0.186 χ^2/NDF:652042.7/28

Out: 1112.980+/-0.186 χ^2/NDF:255875.0/31

All: 1111.475+/-0.131 χ^2/NDF: 908049.4/60



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -478.612+/-141.415 χ^2/NDF:21.6/13

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -44.437+/-144.202 χ^2/NDF:15.2/12

Left: -265.760+/-100.967 χ^2/NDF: 41.4/26

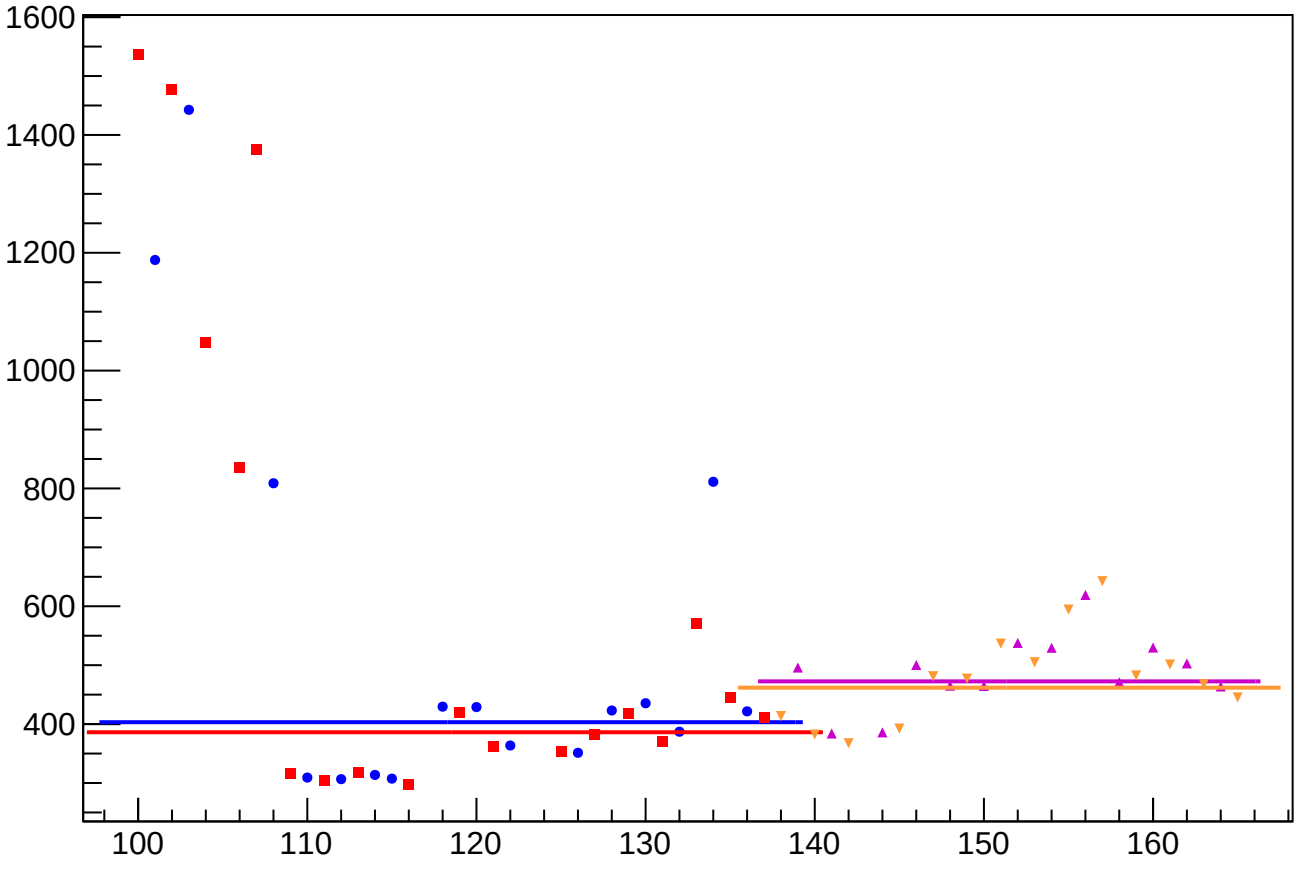
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -16.482+/-107.486 χ^2/NDF:34.4/28

Out: -132.391+/-104.831 χ^2/NDF:48.4/31

All: -75.886+/-75.048 χ^2/NDF: 83.4/60

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 461.813+/-0.100 χ^2/NDF:476393.4/13

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 472.524+/-0.102 χ^2/NDF:356230.3/12

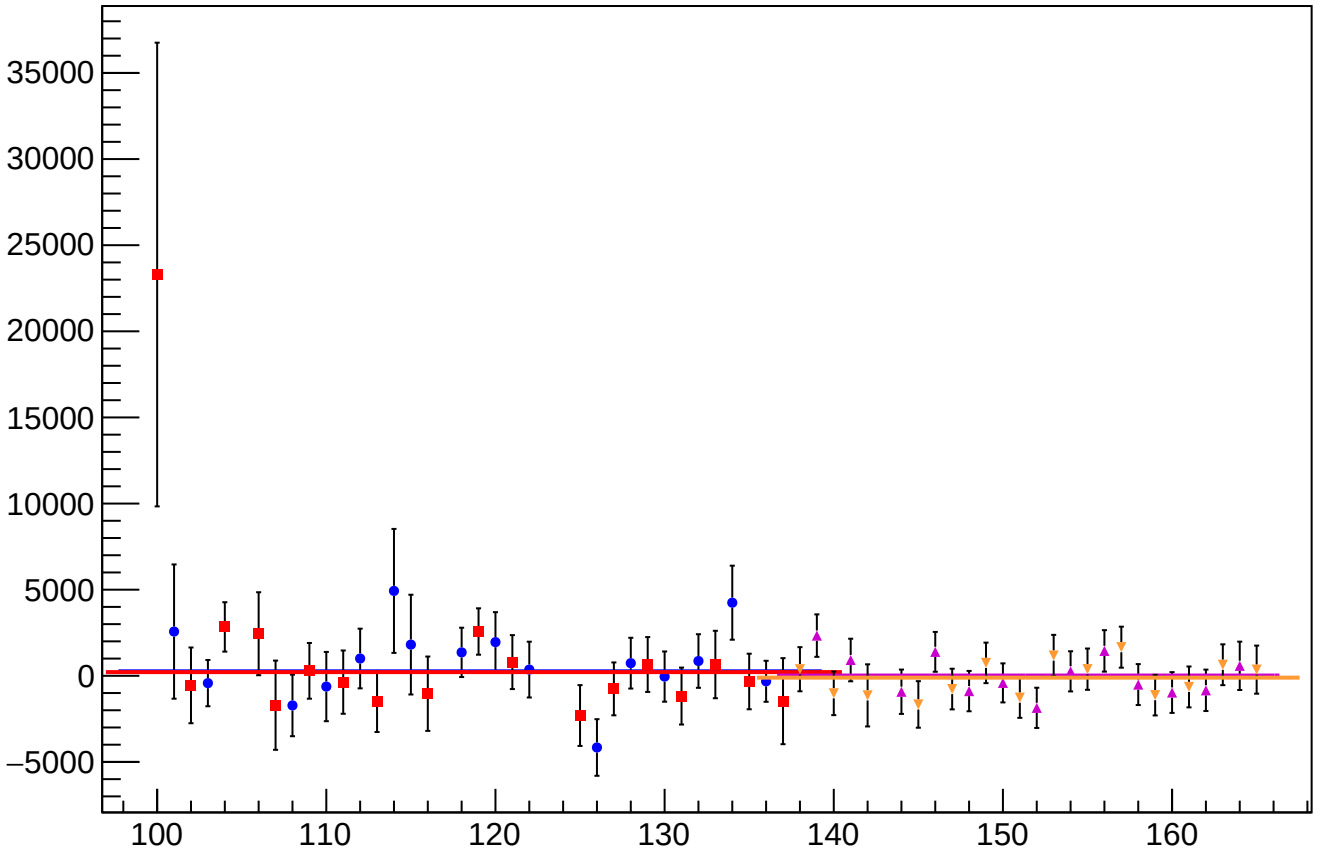
Left: 467.064+/-0.071 χ^2/NDF: 838248.5/26

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 441.714+/-0.076 χ^2/NDF:2370110.1/28

Out: 427.726+/-0.074 χ^2/NDF:2493449.7/31

All: 434.545+/-0.053 χ^2/NDF: 4880917.2/60



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.979+/-333.225 χ^2/NDF:9.1/13

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 14.907+/-334.191 χ^2/NDF:12.4/12

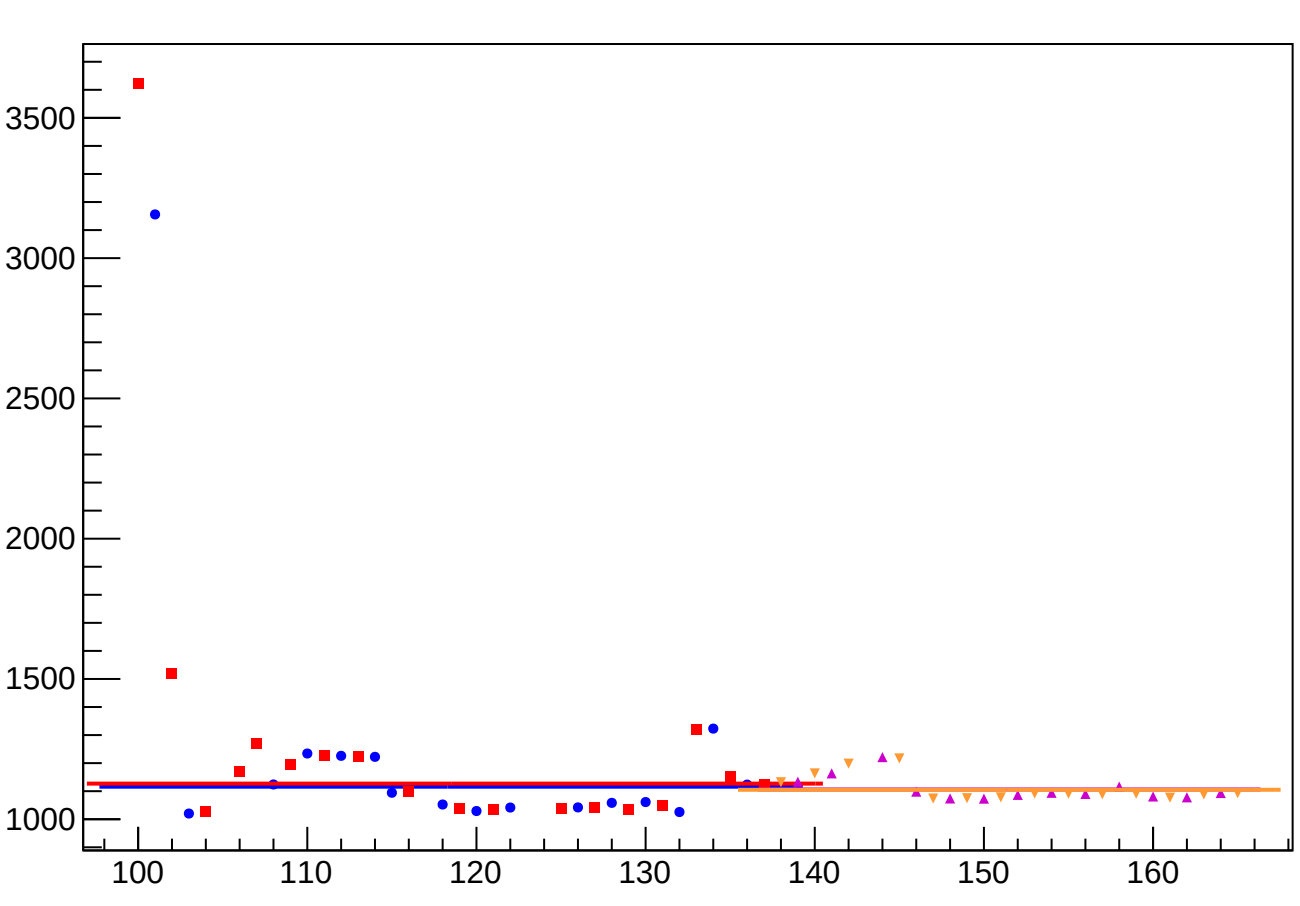
Left: -46.212+/-235.966 χ^2/NDF: 21.5/26

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 108.803+/-262.621 χ^2/NDF:29.5/28

Out: 14.933+/-262.546 χ^2/NDF:25.7/31

All: 61.855+/-185.674 χ^2/NDF: 55.3/60



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

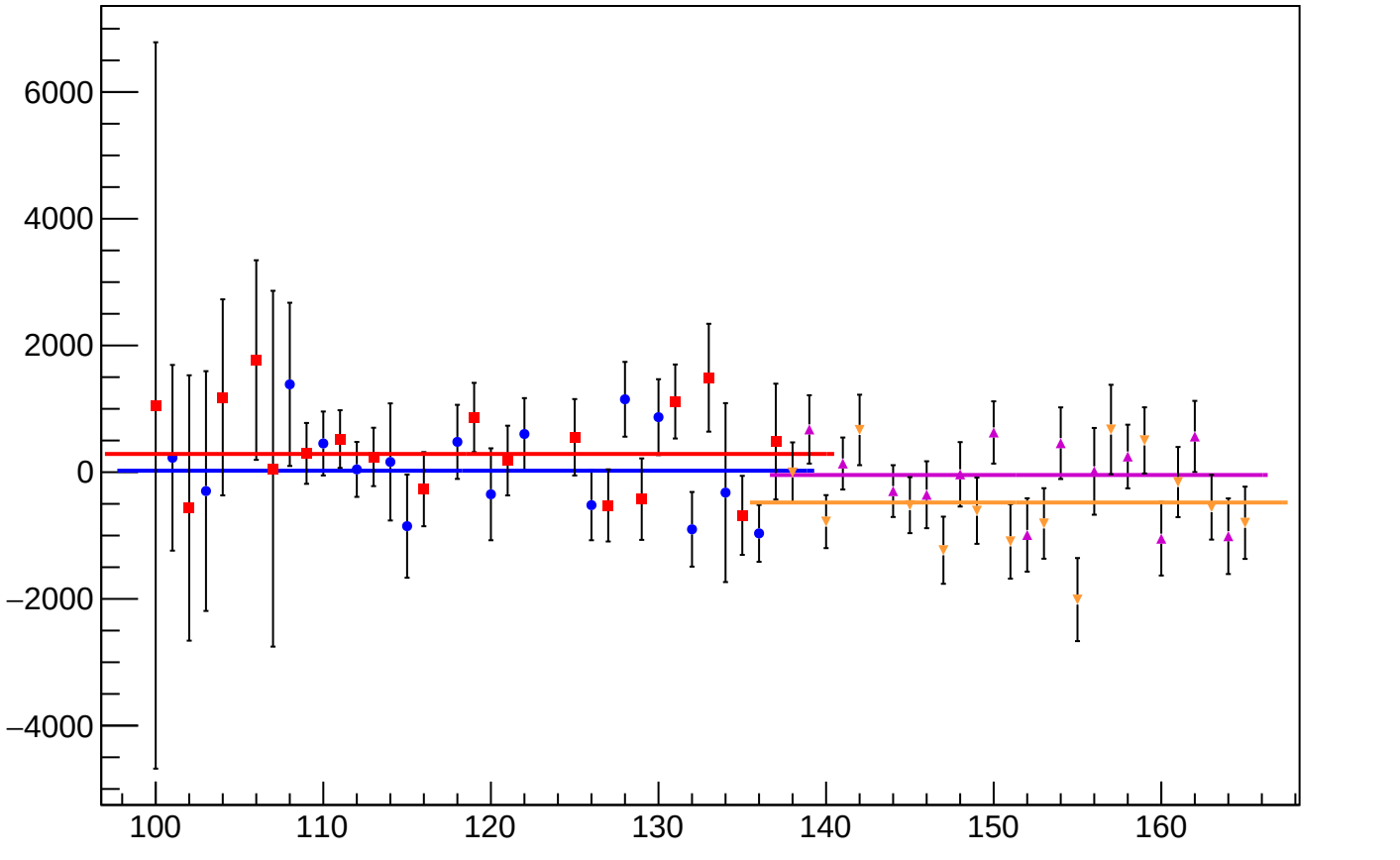
Left: 1105.584+/-0.167 χ^2/NDF: 58737.5/26

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.967+/-0.186 χ^2/NDF:652043.7/28

Out: 1113.325+/-0.186 χ^2/NDF:256781.7/31

All: 1111.647+/-0.131 χ^2/NDF: 908988.9/60


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
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−4000
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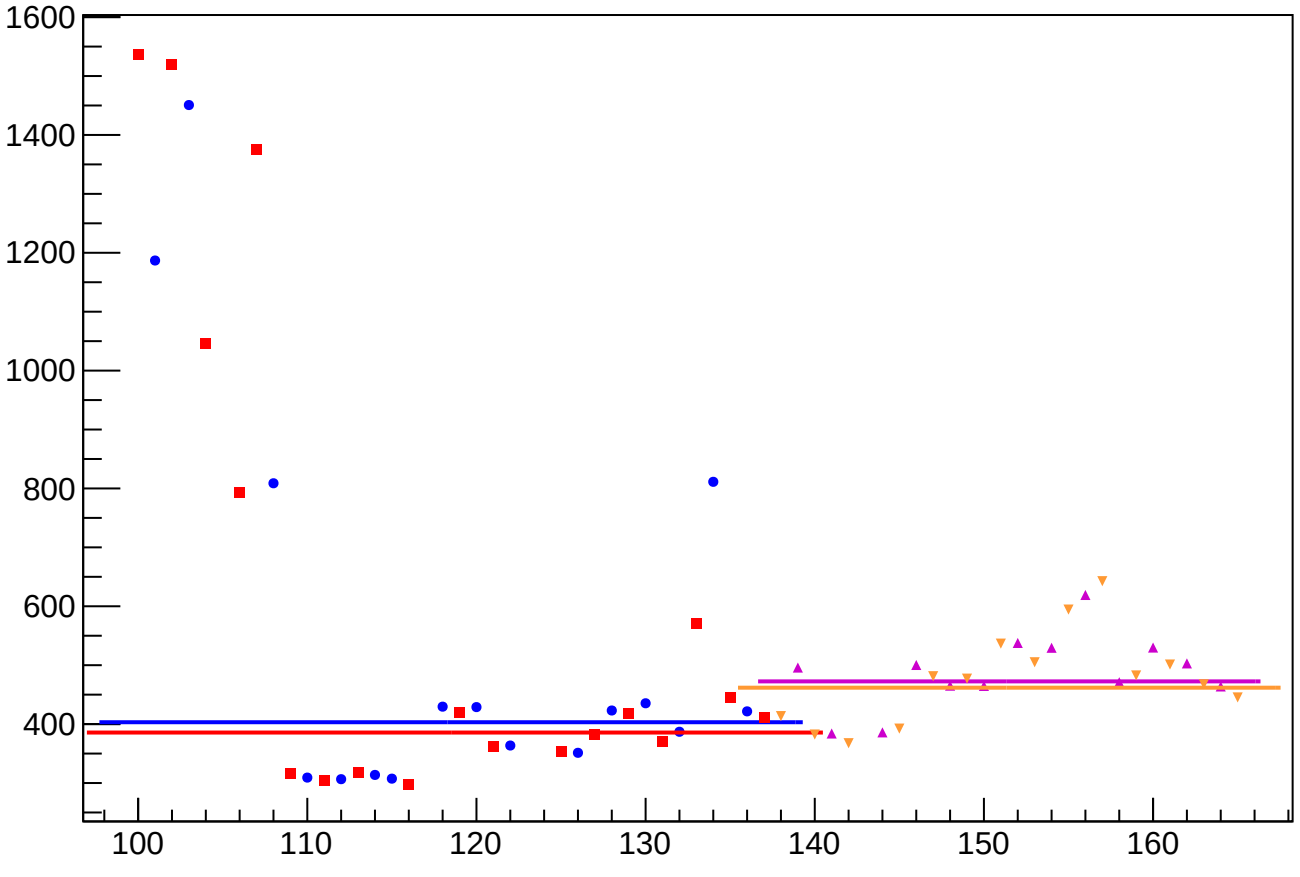
130
140
150
160
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -478.662+/-141.415 χ²/NDF:21.6/13
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -44.416+/-144.201 χ²/NDF:15.2/12
Left: -265.775+/-100.966 χ²/NDF: 41.4/26
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -14.491+/-107.486 χ²/NDF:34.2/28
Out: -133.527+/-104.837 χ²/NDF:48.5/31
All: -75.494+/-75.050 χ²/NDF: 83.3/60

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 461.810+/-0.100 χ^2/NDF:476414.5/13

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

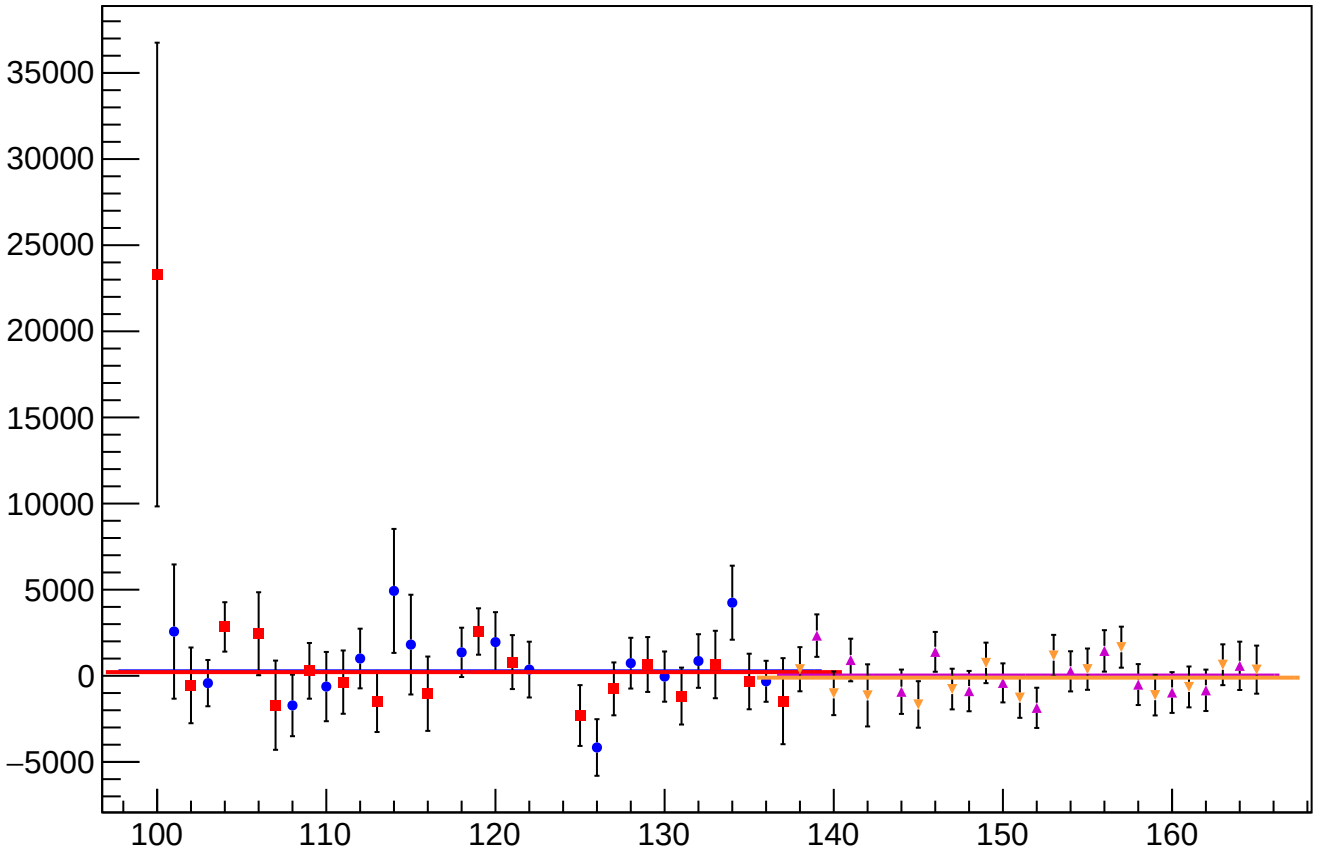
Left: 467.061+/-0.071 χ^2/NDF: 838249.2/26

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 441.707+/-0.076 χ^2/NDF:2373817.7/28

Out: 427.521+/-0.074 χ^2/NDF:2484625.5/31

All: 434.437+/-0.053 χ^2/NDF: 4876294.7/60



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.979+/-333.225 χ^2/NDF:9.1/13

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 14.907+/-334.191 χ^2/NDF:12.4/12

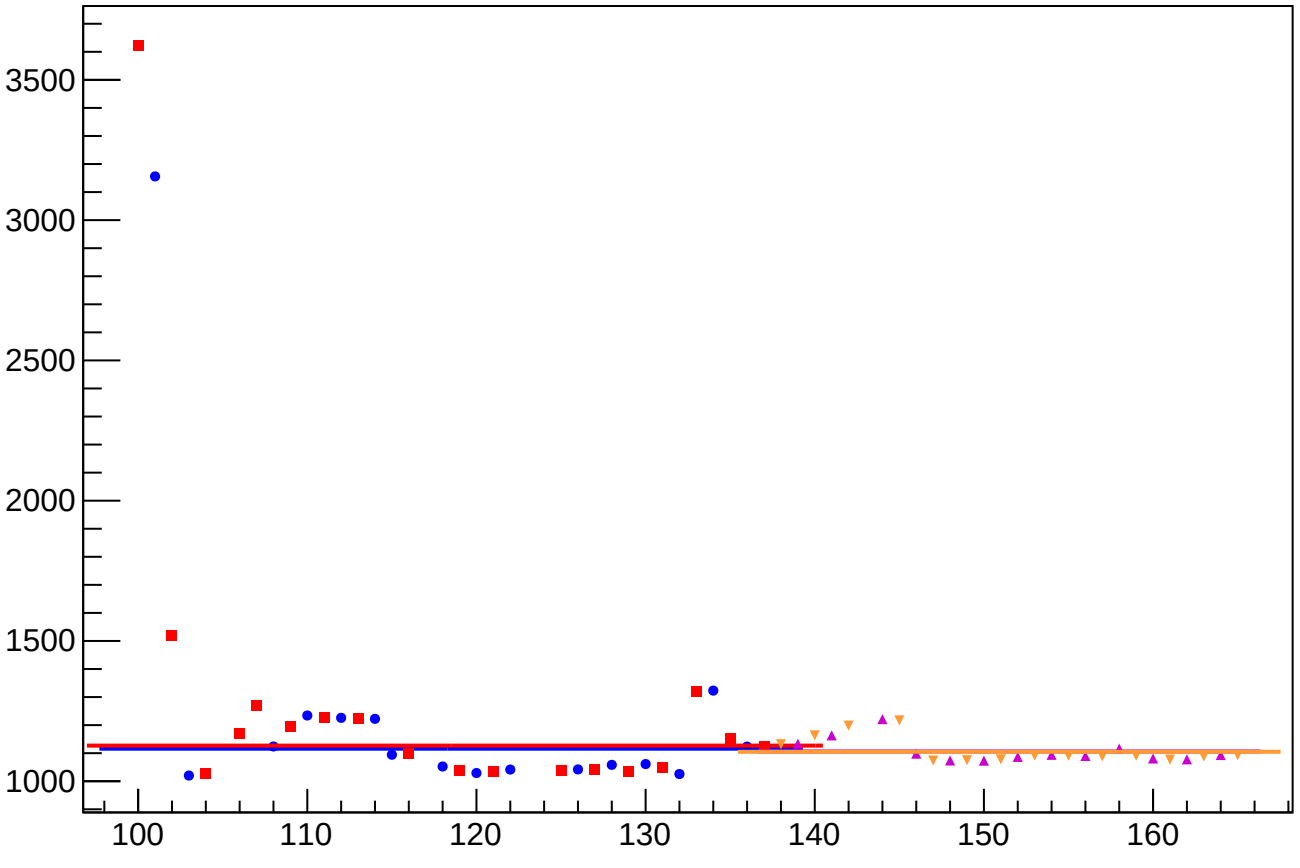
Left: -46.212+/-235.966 χ^2/NDF: 21.5/26

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 108.803+/-262.621 χ^2/NDF:29.5/28

Out: 14.933+/-262.546 χ^2/NDF:25.7/31

All: 61.855+/-185.674 χ^2/NDF: 55.3/60



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

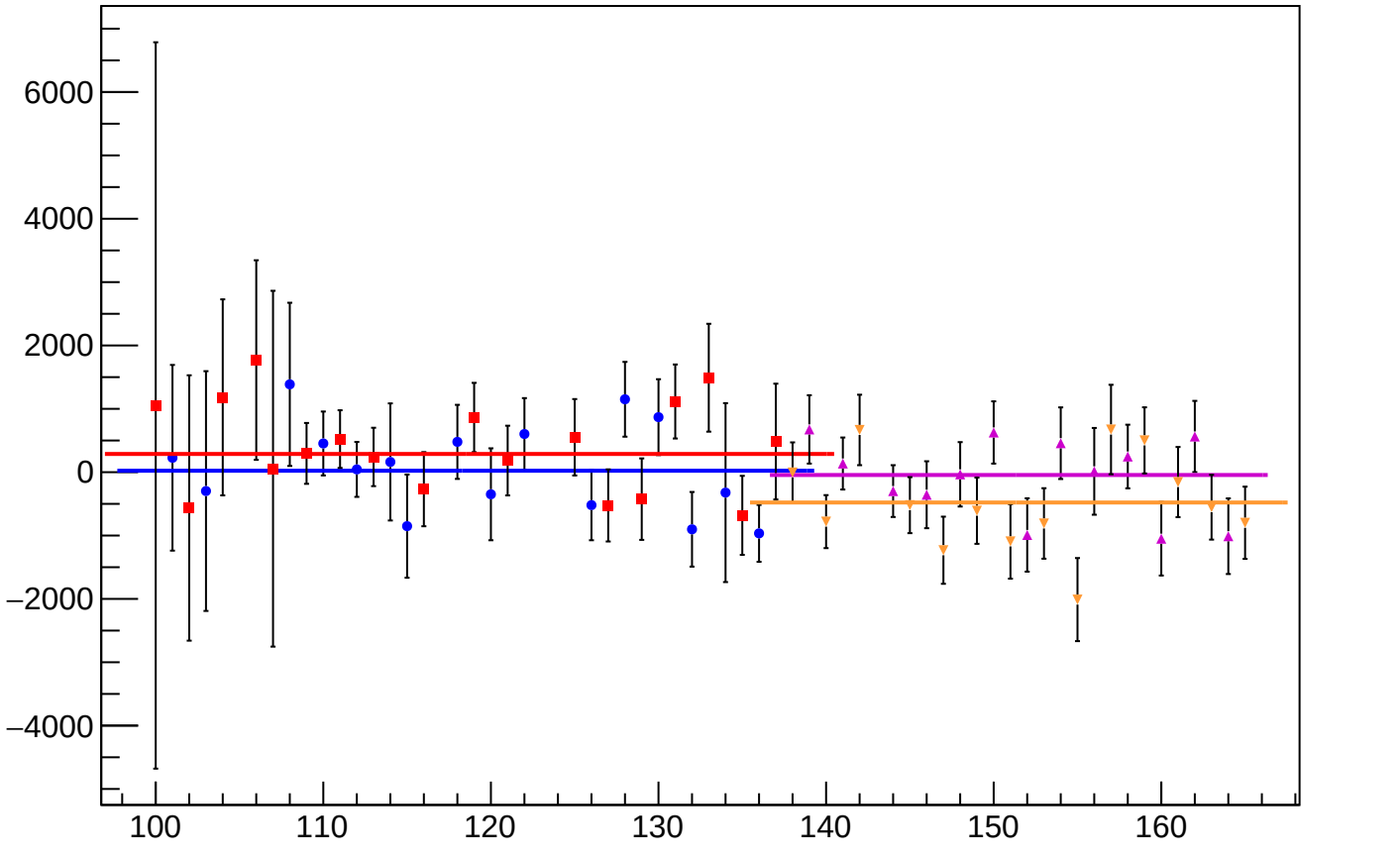
Left: 1105.584+/-0.167 χ^2/NDF: 58737.5/26

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.967+/-0.186 χ^2/NDF:652043.7/28

Out: 1113.325+/-0.186 χ^2/NDF:256781.7/31

All: 1111.647+/-0.131 χ^2/NDF: 908988.9/60


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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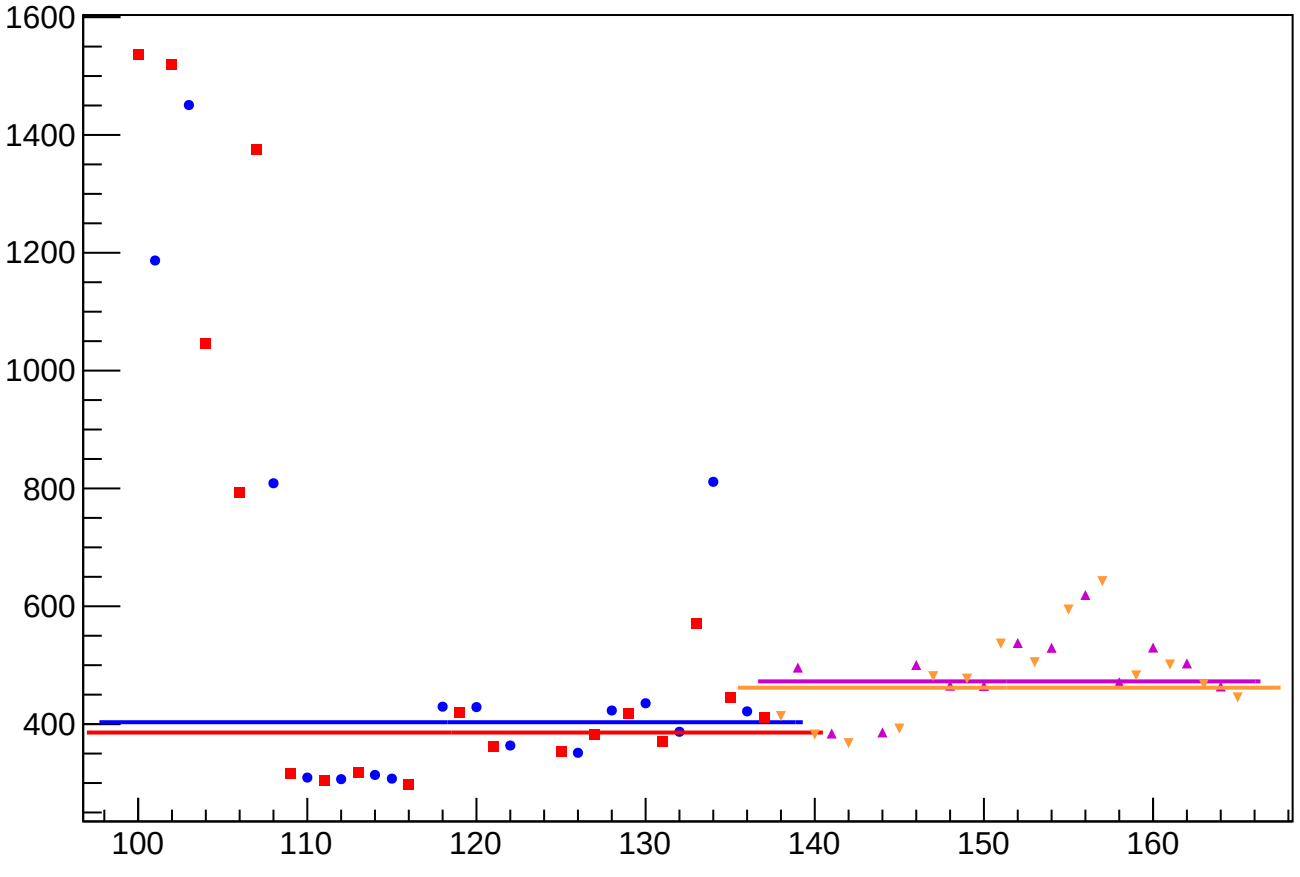
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -478.662+/-141.415 χ²/NDF:21.6/13
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -44.416+/-144.201 χ²/NDF:15.2/12
Left: -265.775+/-100.966 χ²/NDF: 41.4/26
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -14.491+/-107.486 χ²/NDF:34.2/28
Out: -133.527+/-104.837 χ²/NDF:48.5/31
All: -75.494+/-75.050 χ²/NDF: 83.3/60

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: 461.810+/-0.100 χ^2/NDF:476414.5/13

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

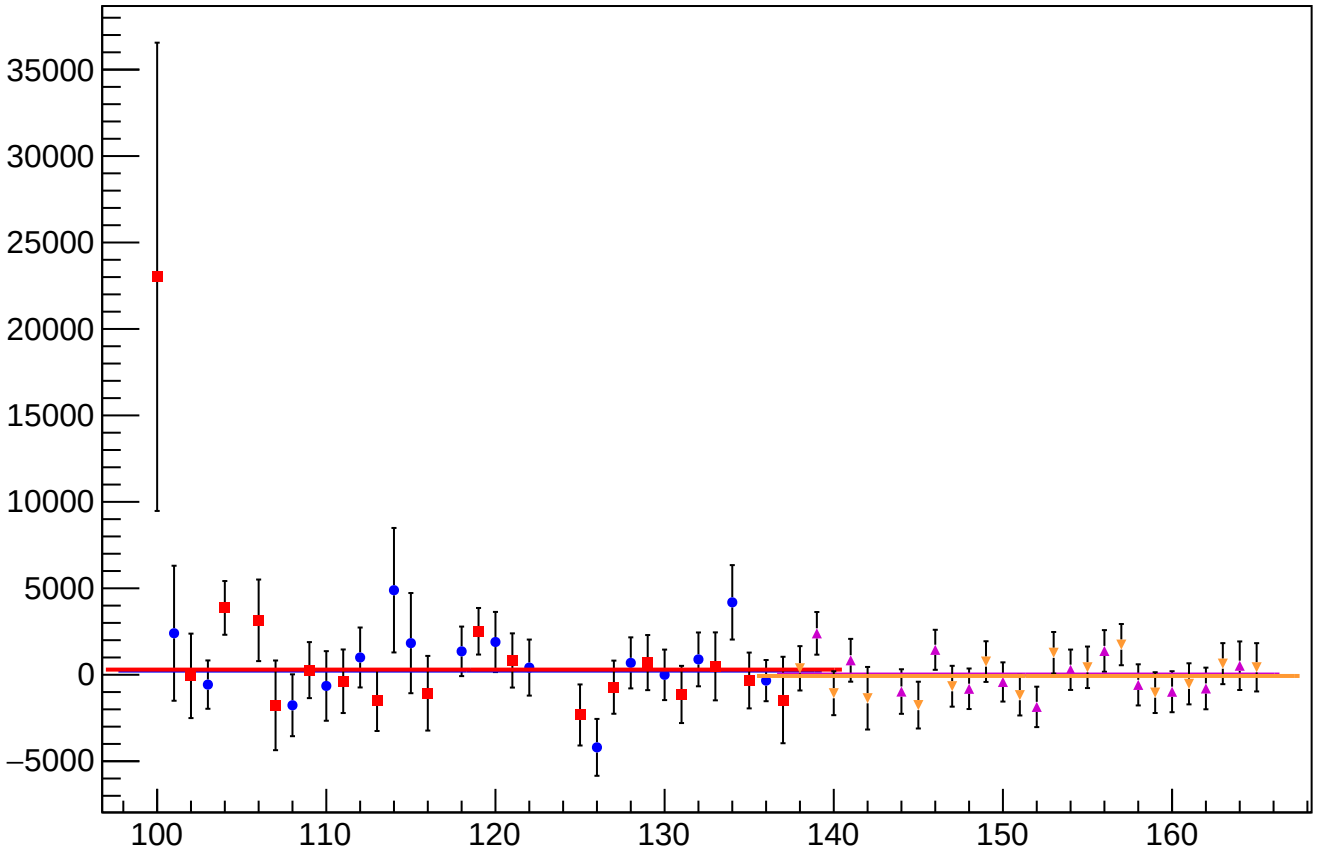
Left: 467.061+/-0.071 χ^2/NDF: 838249.2/26

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 441.707+/-0.076 χ^2/NDF:2373817.7/28

Out: 427.521+/-0.074 χ^2/NDF:2484625.5/31

All: 434.437+/-0.053 χ^2/NDF: 4876294.7/60



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -69.220+/-333.613 χ^2/NDF:9.5/13

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 12.516+/-334.569 χ^2/NDF:12.4/12

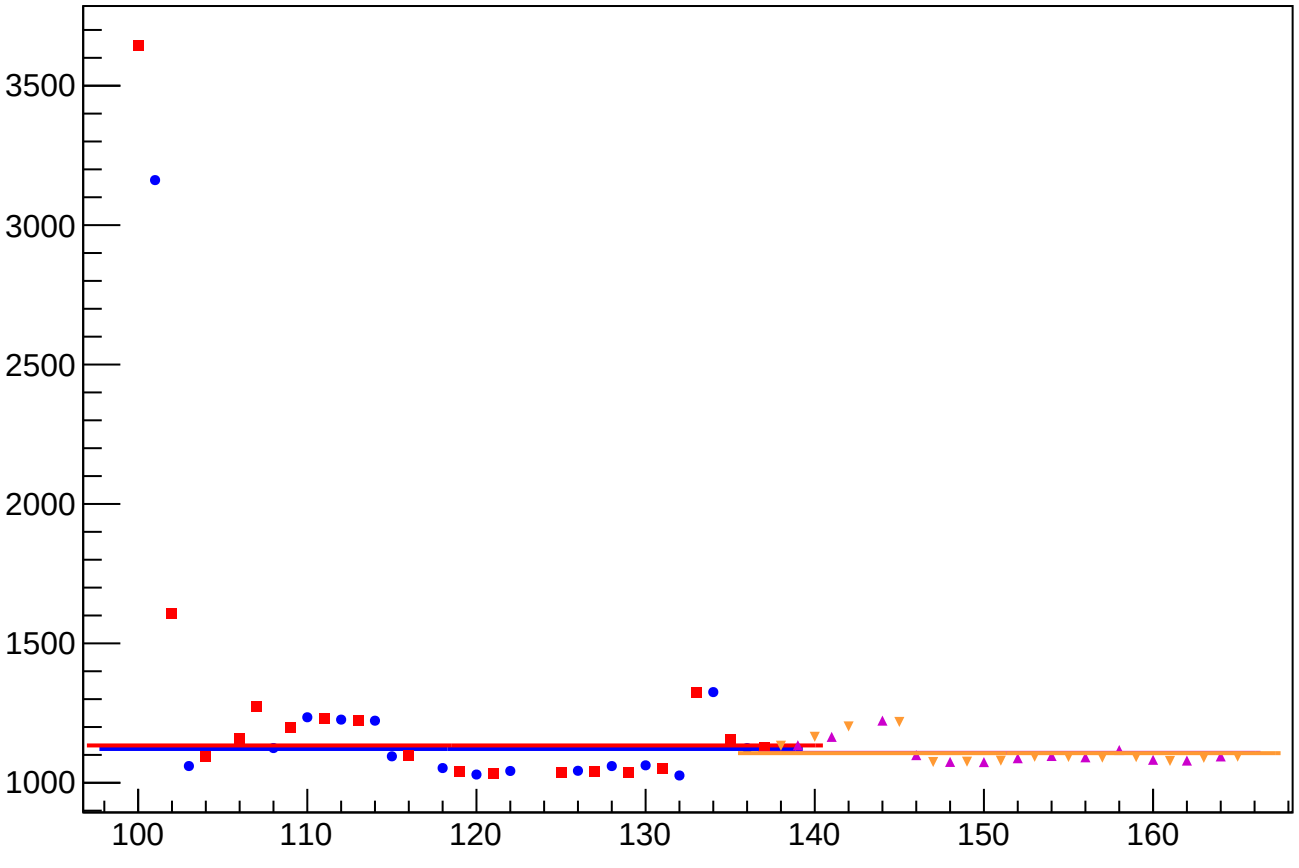
Left: -28.469+/-236.237 χ^2/NDF: 21.9/26

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 99.466+/-263.261 χ^2/NDF:29.5/28

Out: 68.803+/-263.761 χ^2/NDF:28.6/31

All: 84.164+/-186.330 χ^2/NDF: 58.1/60



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1106.266+/-0.236 χ^2/NDF:31118.6/13

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

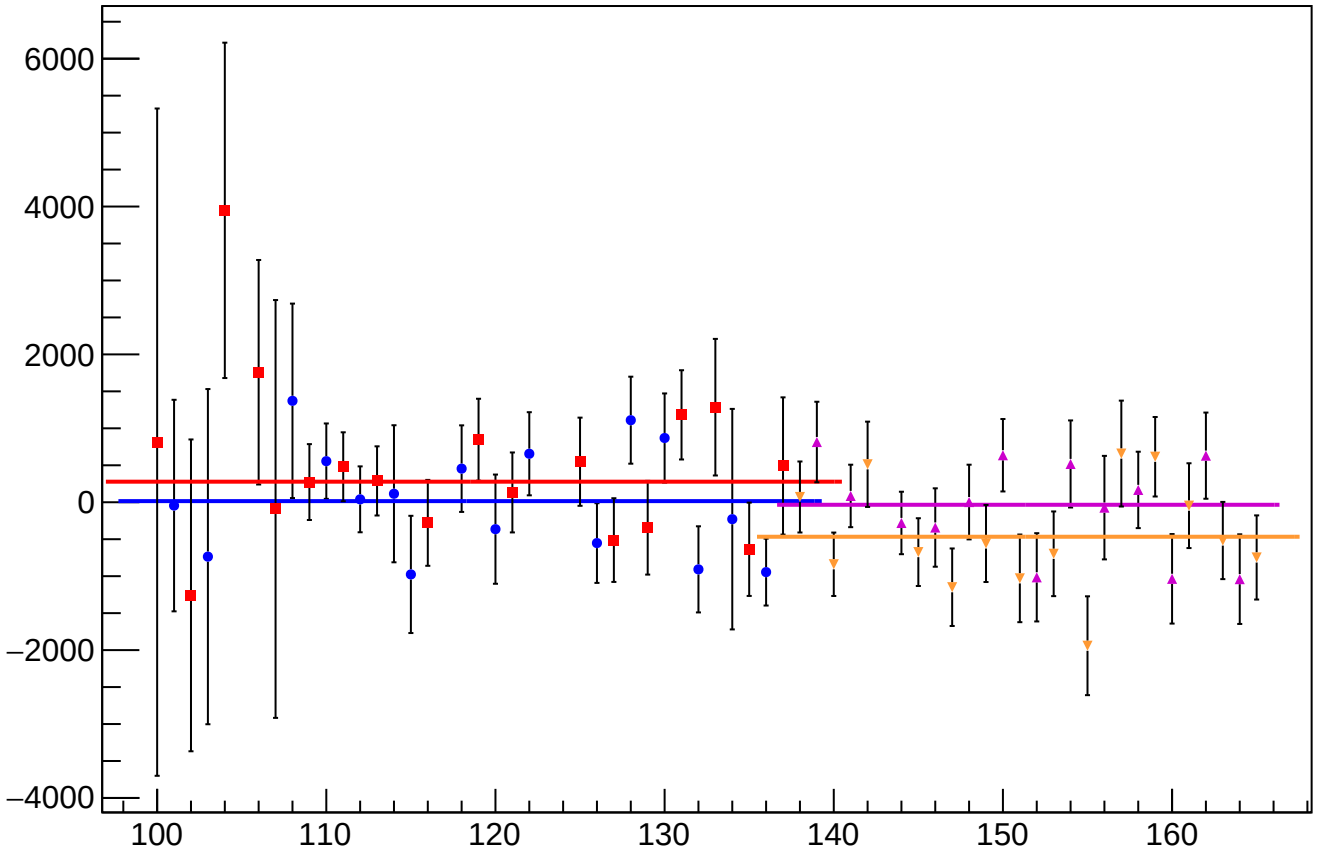
Left: 1106.842+/-0.167 χ^2/NDF: 59151.3/26

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1112.705+/-0.186 χ^2/NDF:646358.6/28

Out: 1116.638+/-0.187 χ^2/NDF:263731.3/31

All: 1114.667+/-0.132 χ^2/NDF: 910312.6/60


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
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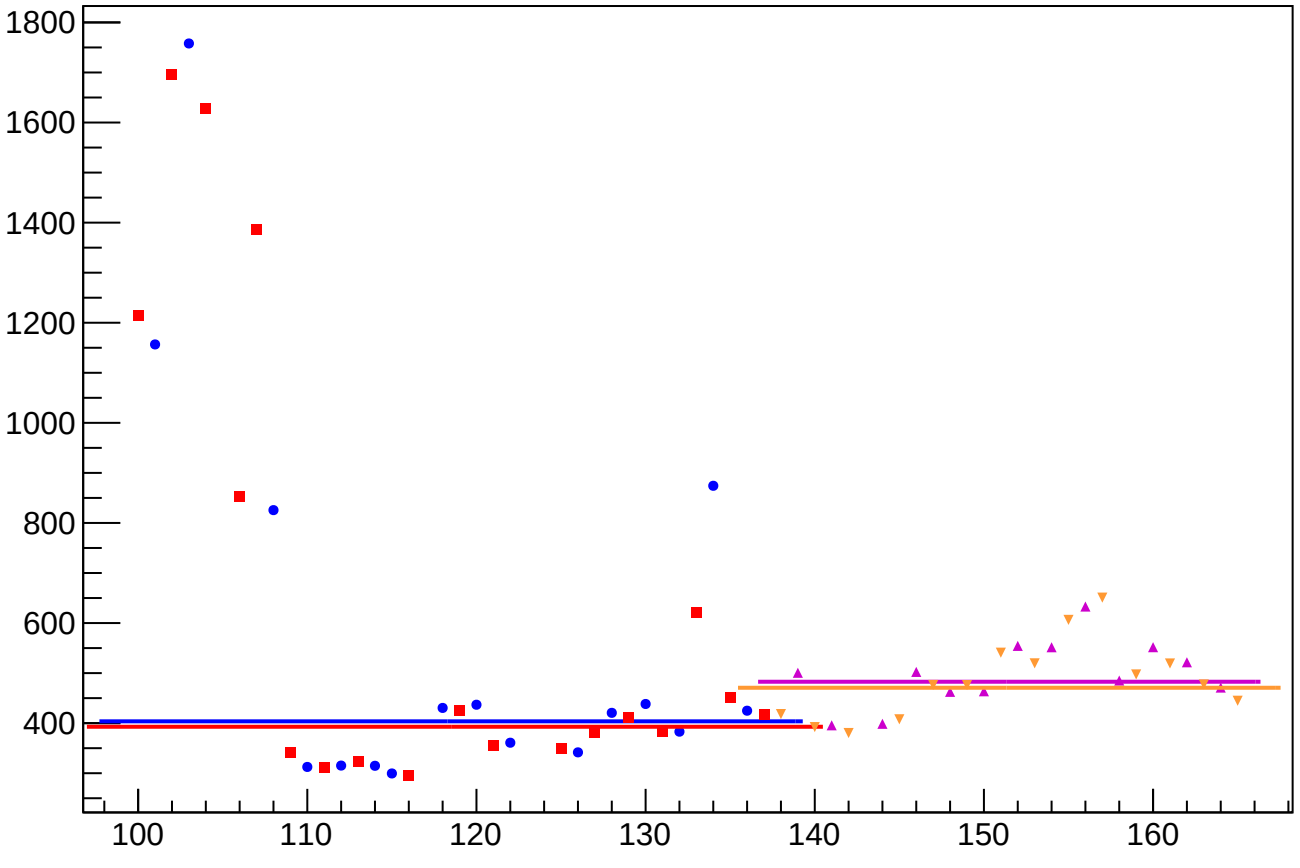
150
160
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -466.608+/-144.054 χ²/NDF:20.1/13
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: -34.278+/-147.306 χ²/NDF:15.6/12
Left: -255.269+/-102.992 χ²/NDF: 40.0/26
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: -11.819+/-108.940 χ²/NDF:35.3/28
Out: -130.425+/-106.703 χ²/NDF:47.2/31
All: -72.352+/-76.229 χ²/NDF: 83.1/60



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 470.734+/-0.102 χ^2/NDF:453311.6/13

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 482.757+/-0.104 χ^2/NDF:359101.0/12

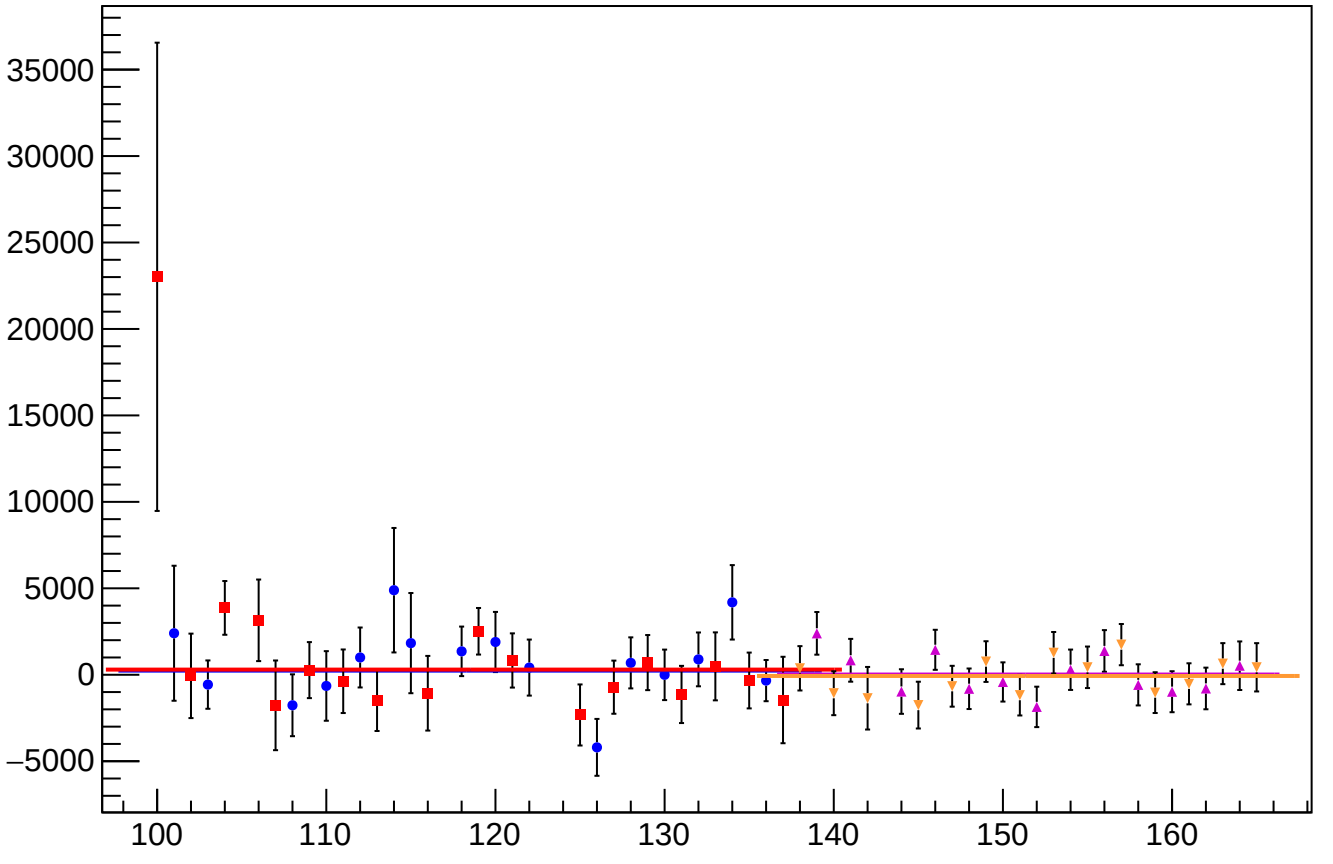
Left: 476.612+/-0.073 χ^2/NDF: 819223.0/26

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.918+/-0.077 χ^2/NDF:2549990.5/28

Out: 435.569+/-0.075 χ^2/NDF:2920833.2/31

All: 441.126+/-0.054 χ^2/NDF: 5481902.7/60



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -69.224+/-333.613 χ^2/NDF:9.5/13

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 12.516+/-334.569 χ^2/NDF:12.4/12

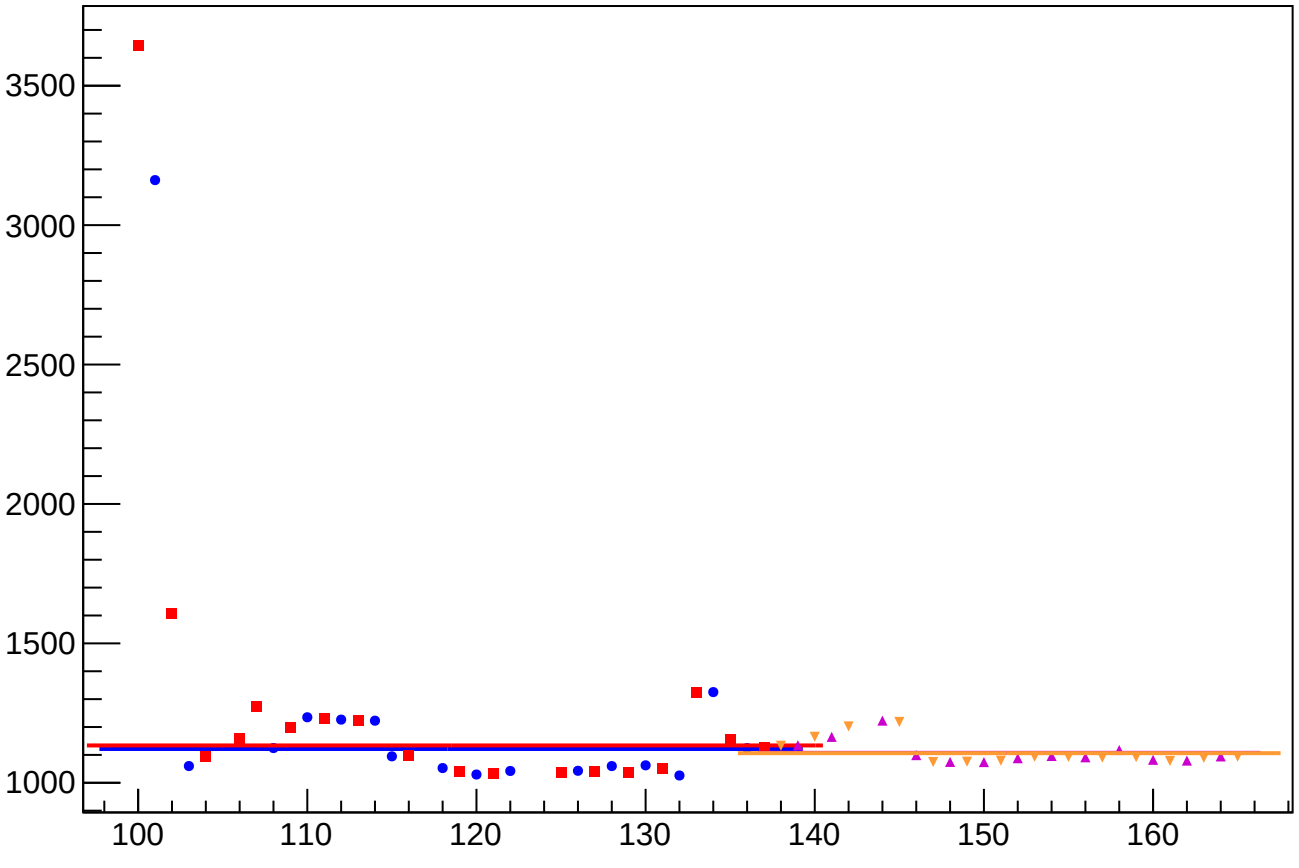
Left: -28.471+/-236.237 χ^2/NDF: 21.9/26

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 99.468+/-263.261 χ^2/NDF:29.5/28

Out: 68.801+/-263.761 χ^2/NDF:28.6/31

All: 84.163+/-186.330 χ^2/NDF: 58.1/60



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1106.266+/-0.236 χ^2/NDF:31118.6/13

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

Left: 1106.842+/-0.167 χ^2/NDF: 59151.4/26

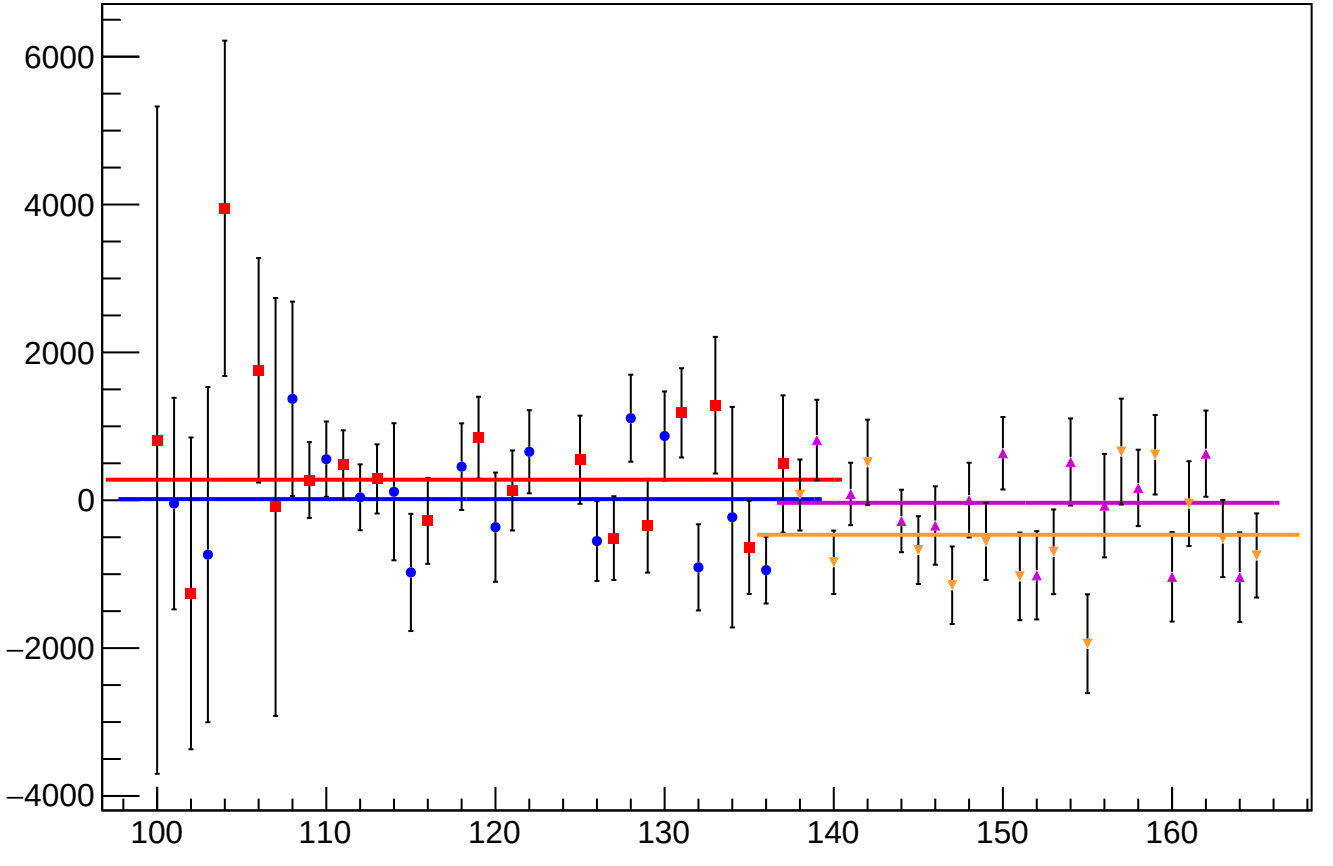
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1112.705+/-0.186 χ^2/NDF:646358.7/28

Out: 1116.638+/-0.187 χ^2/NDF:263731.4/31

All: 1114.668+/-0.132 χ^2/NDF: 910312.8/60

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: -466.611+/-144.054 χ^2/NDF:20.1/13

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -34.278+/-147.307 χ^2/NDF:15.6/12

Left: -255.271+/-102.992 χ^2/NDF: 40.0/26

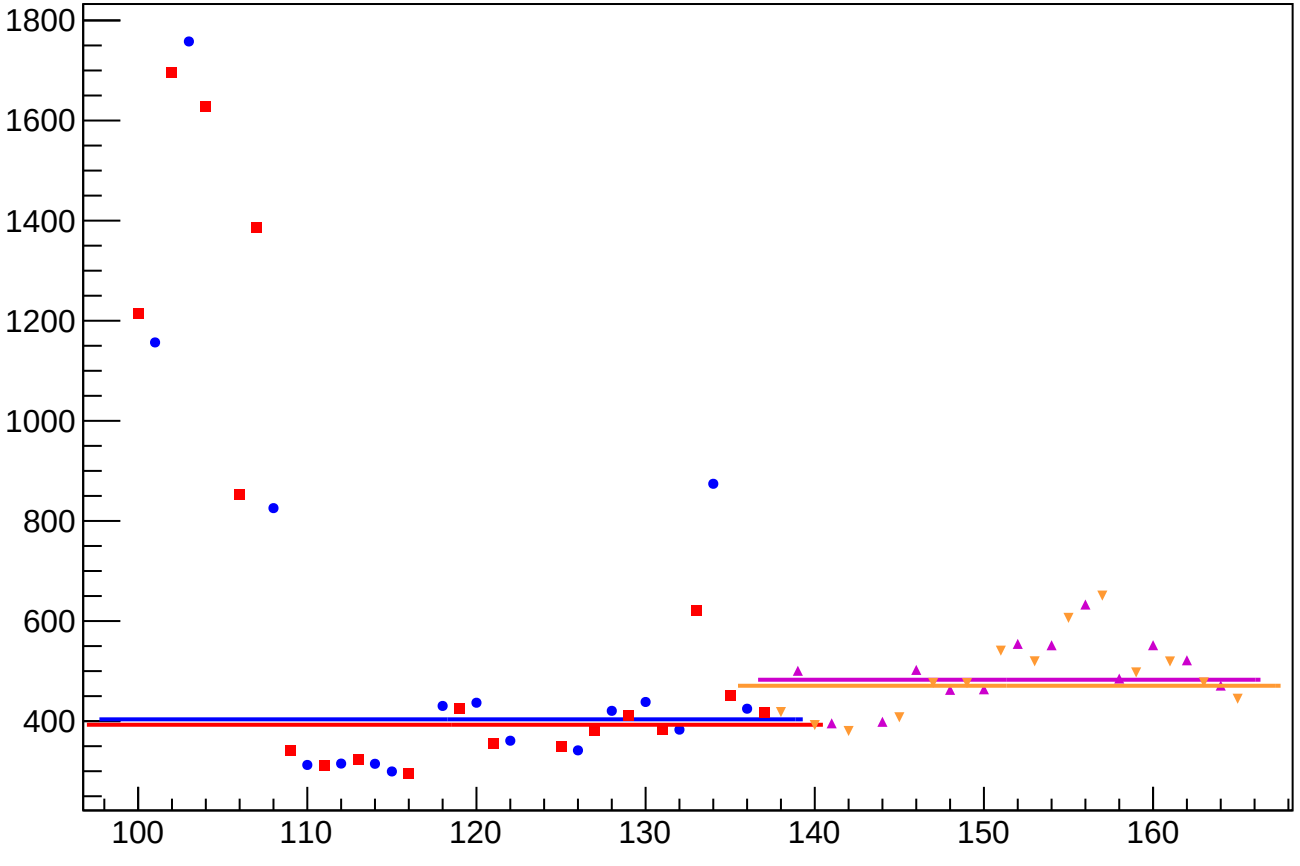
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: -11.821+/-108.939 χ^2/NDF:35.3/28

Out: -130.424+/-106.703 χ^2/NDF:47.2/31

All: -72.352+/-76.229 χ^2/NDF: 83.1/60

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: 470.734+/-0.102 χ^2/NDF:453333.9/13

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 482.758+/-0.104 χ^2/NDF:359109.6/12

Left: 476.612+/-0.073 χ^2/NDF: 819255.1/26

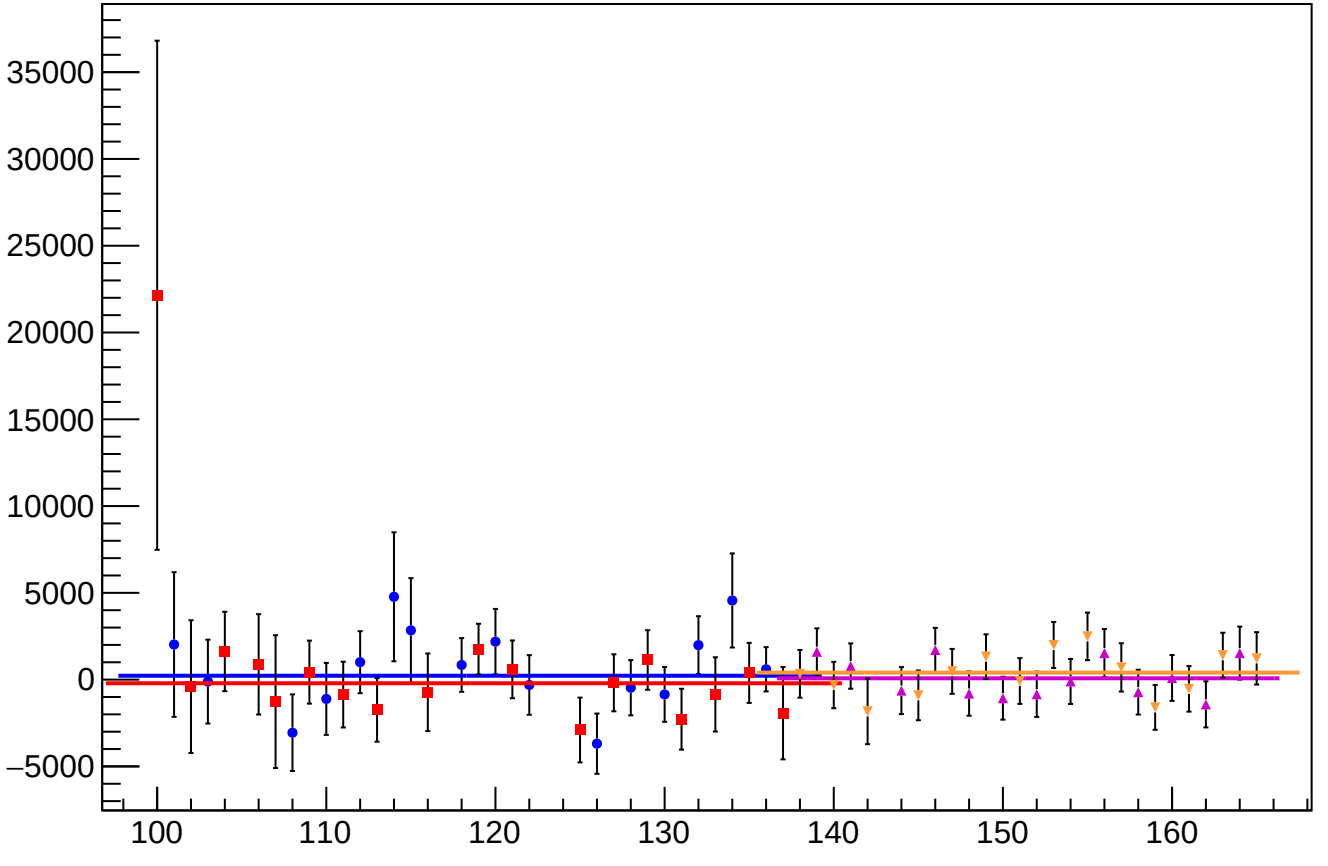
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.917+/-0.077 χ^2/NDF:2550025.5/28

Out: 435.567+/-0.075 χ^2/NDF:2920886.7/31

All: 441.124+/-0.054 χ^2/NDF: 5481992.5/60

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 404.668+/-365.972 χ^2/NDF:10.8/13

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 77.231+/-366.689 χ^2/NDF:9.0/12

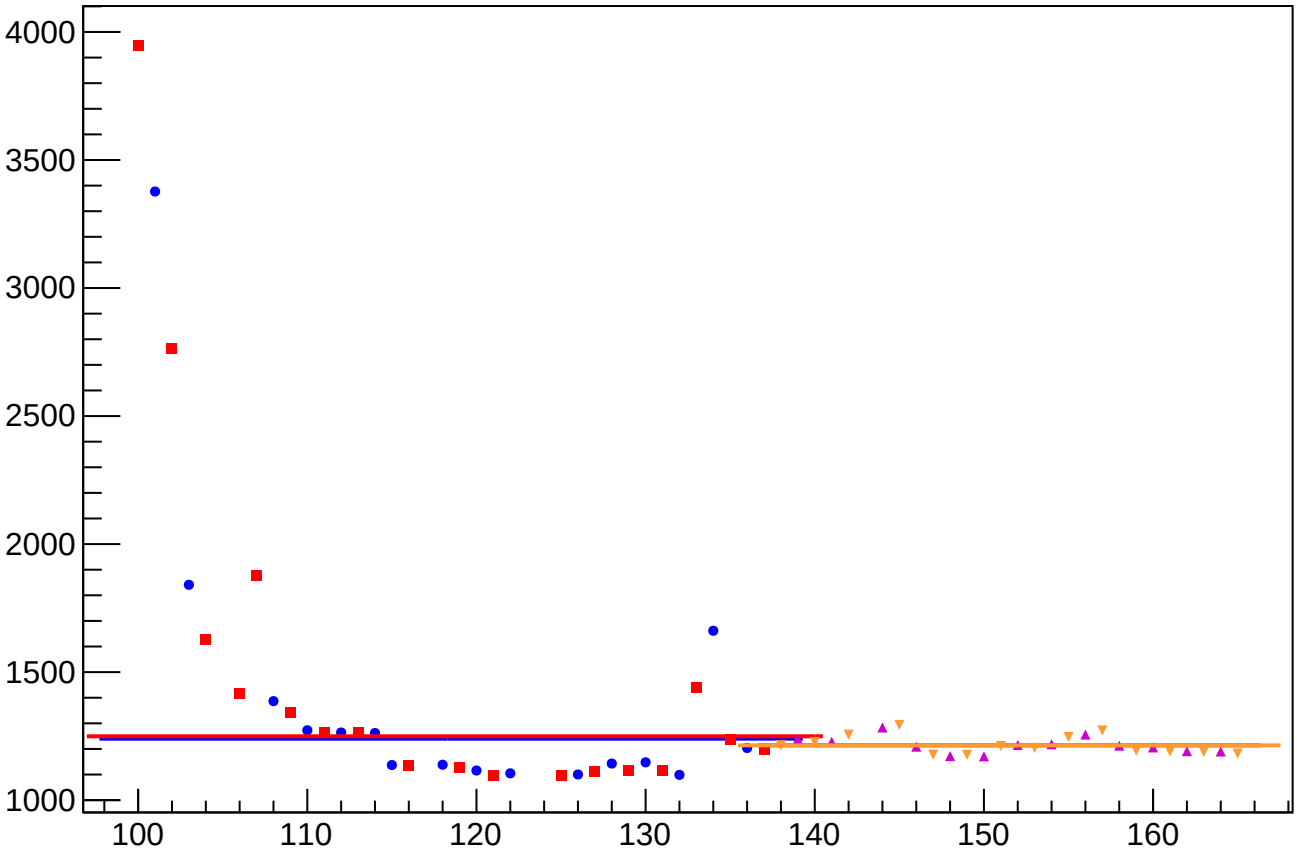
Left: 241.270+/-259.034 χ^2/NDF: 20.2/26

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 132.406+/-290.160 χ^2/NDF:25.2/28

Out: 177.496+/-290.542 χ^2/NDF:22.8/31

All: 154.921+/-205.309 χ^2/NDF: 48.0/60



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1213.930+/-0.259 χ^2/NDF:18110.6/13

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1214.079+/-0.259 χ^2/NDF:13864.7/12

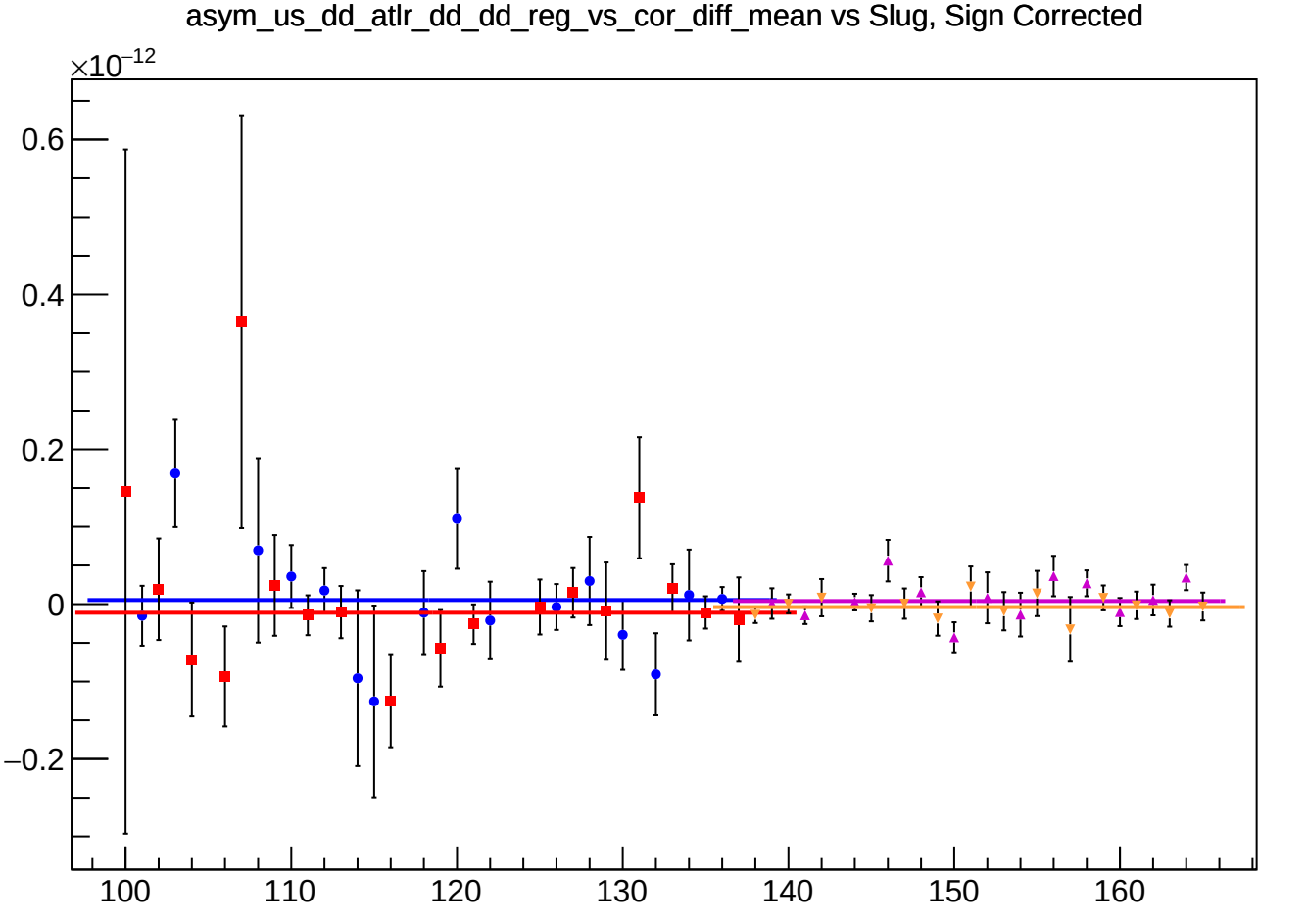
Left: 1214.004+/-0.183 χ^2/NDF: 31975.5/26

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1223.822+/-0.205 χ^2/NDF:800321.1/28

Out: 1227.048+/-0.205 χ^2/NDF:631160.3/31

All: 1225.433+/-0.145 χ^2/NDF: 1431604.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/13

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

Left In: 0.000+/-0.000 χ^2/NDF:20.5/12

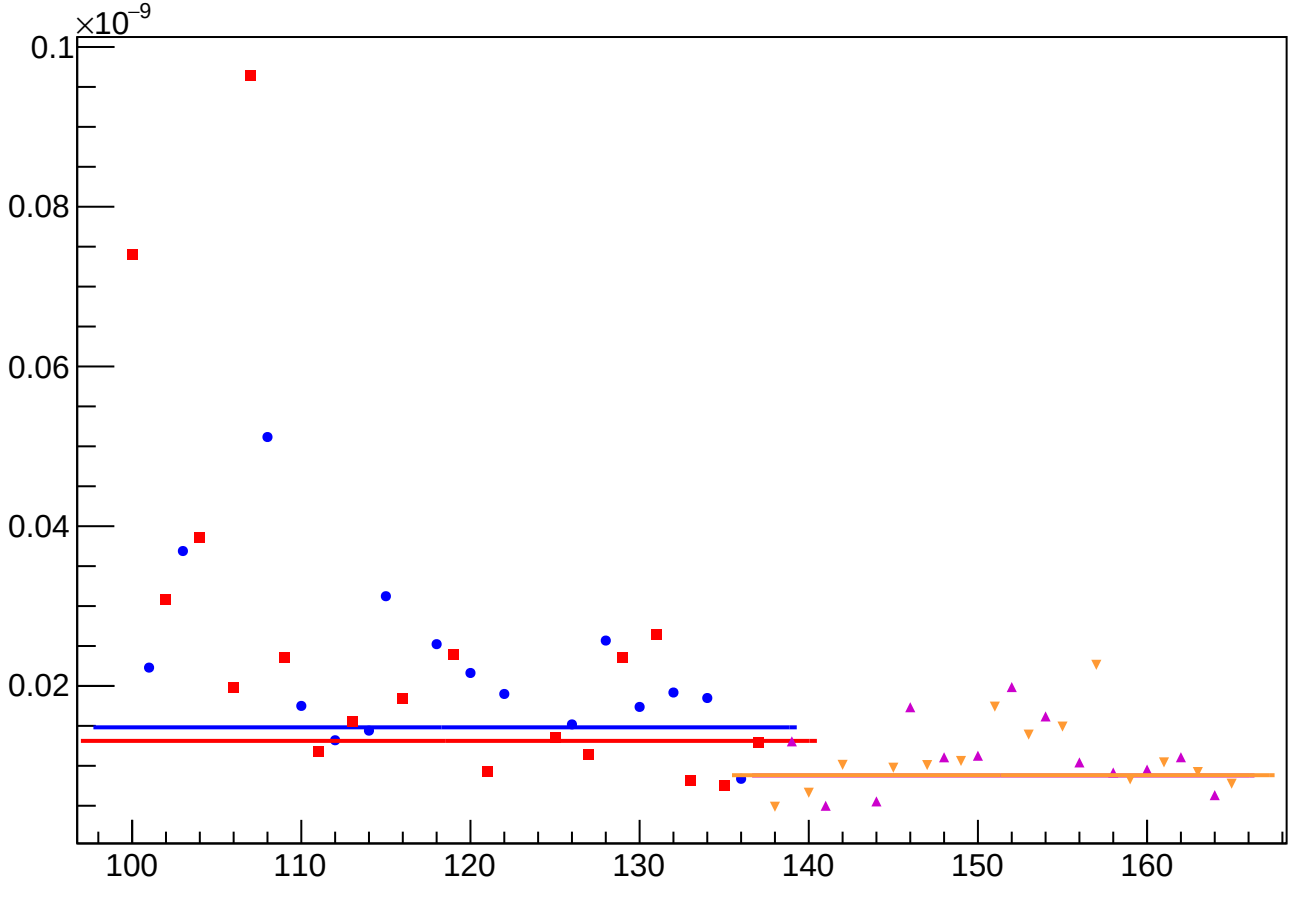
Left: 0.000+/-0.000 χ^2/NDF: 26.3/26

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:36.9/28

Out: -0.000+/-0.000 χ^2/NDF:20.0/31

All: -0.000+/-0.000 χ^2/NDF: 59.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1009893.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1211181.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2221131.9/26

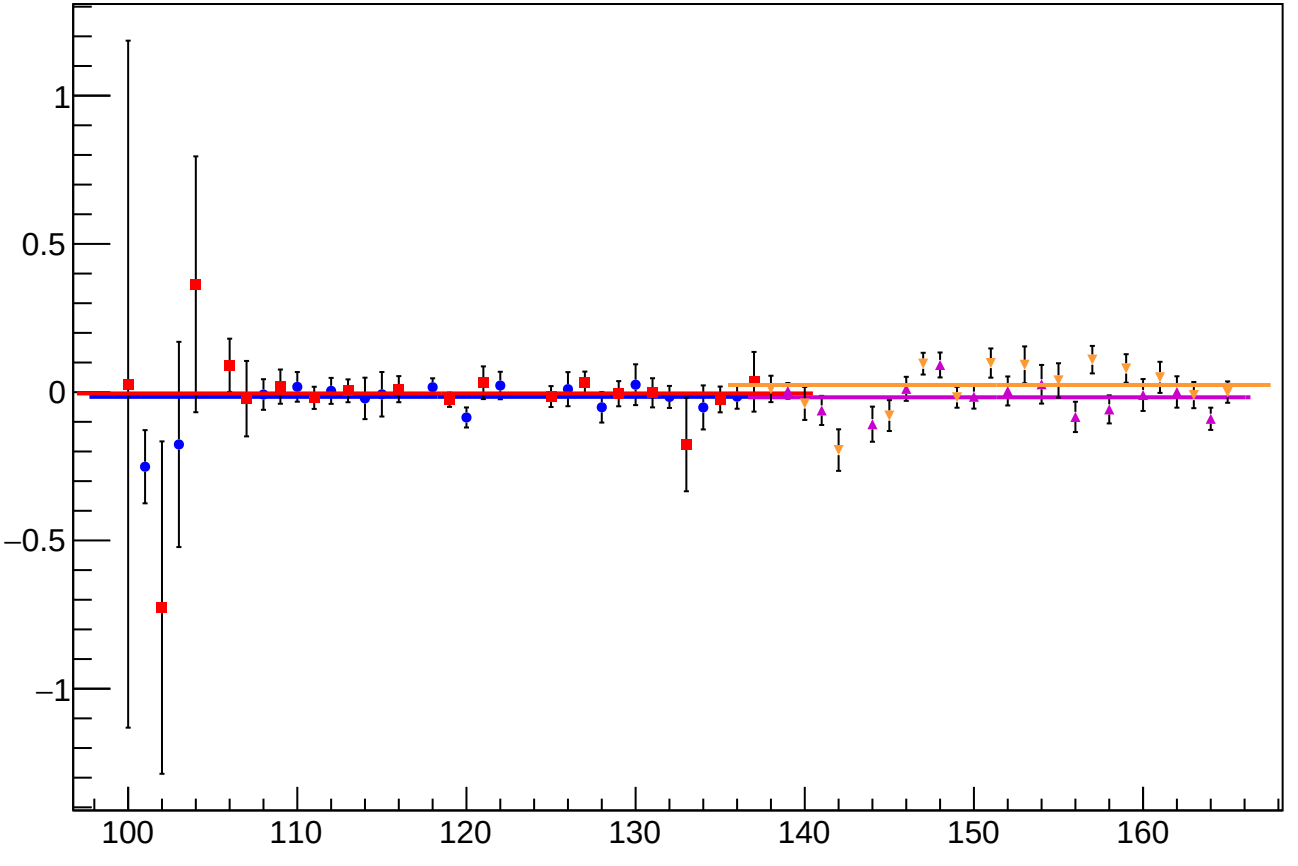
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2915214.1/28

Out: 0.000+/-0.000 χ^2/NDF:2525591.7/31

All: 0.000+/-0.000 χ^2/NDF: 5445693.8/60

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

Left: 0.003+/-0.009 χ^2/NDF: 53.6/26

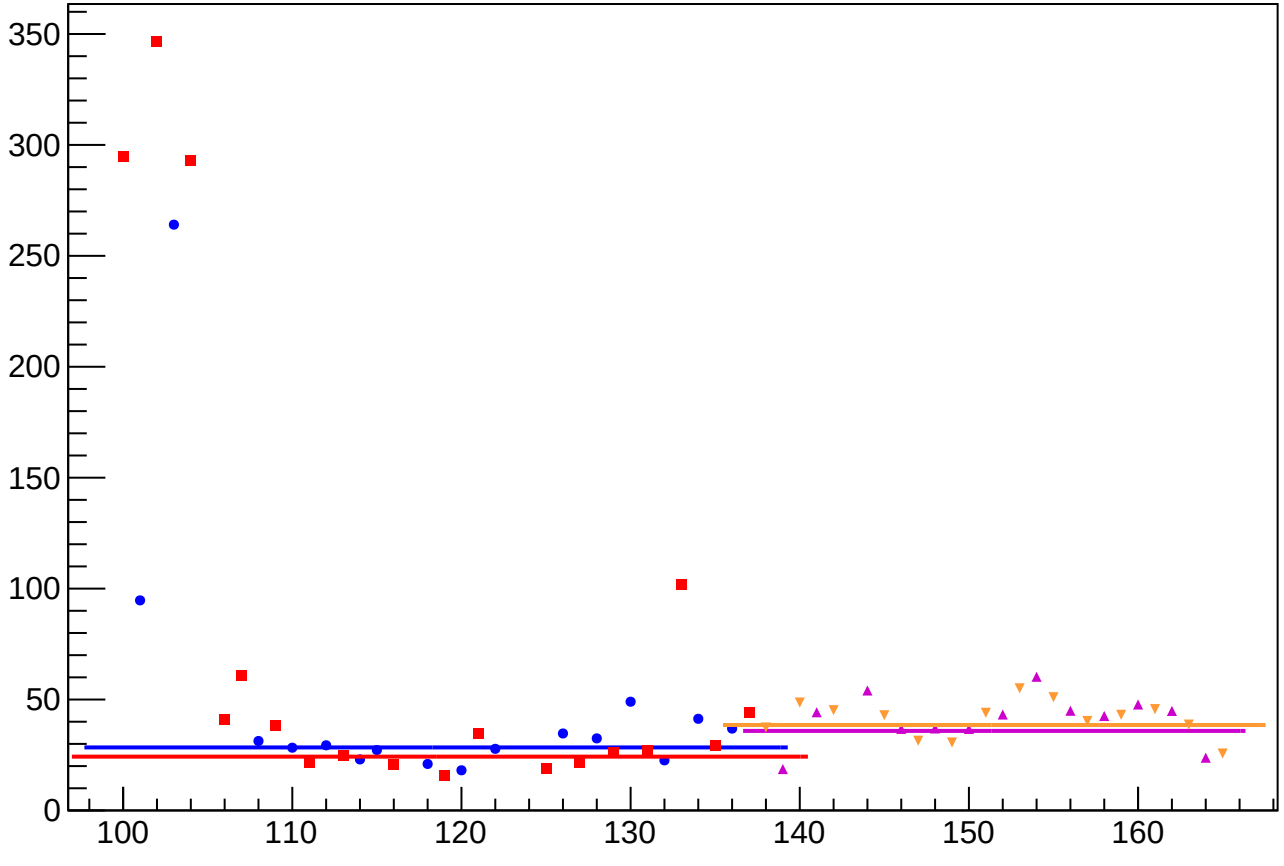
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.008 χ^2/NDF:40.6/31

All: -0.004+/-0.006 χ^2/NDF: 74.9/60

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: 38.515+/-0.009 χ^2/NDF:848965.1/13

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.856+/-0.009 χ^2/NDF:1885824.2/12

Left: 37.151+/-0.006 χ^2/NDF: 2781724.4/26

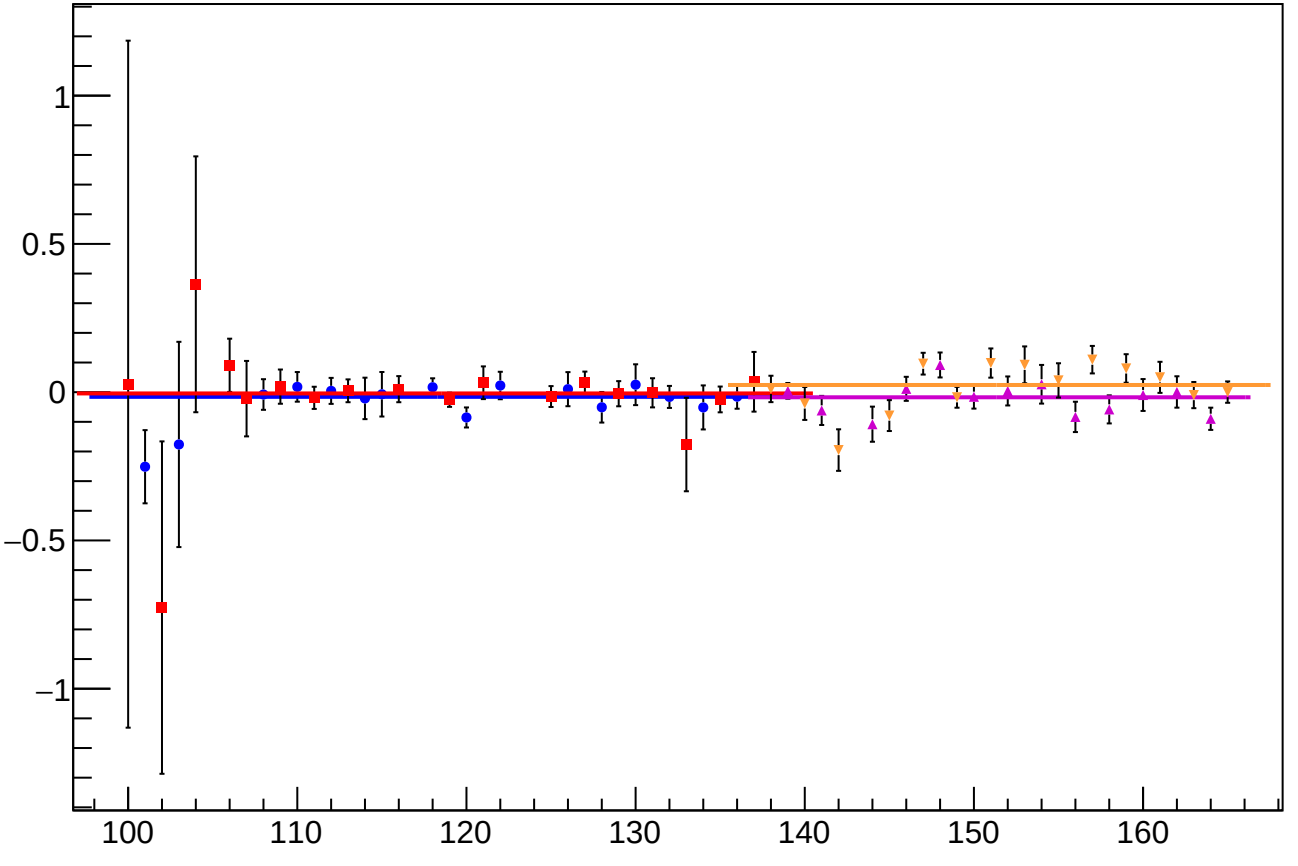
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.194+/-0.006 χ^2/NDF:4503331.9/28

Out: 30.792+/-0.006 χ^2/NDF:5187402.6/31

All: 31.475+/-0.004 χ^2/NDF: 9717761.0/60

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: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

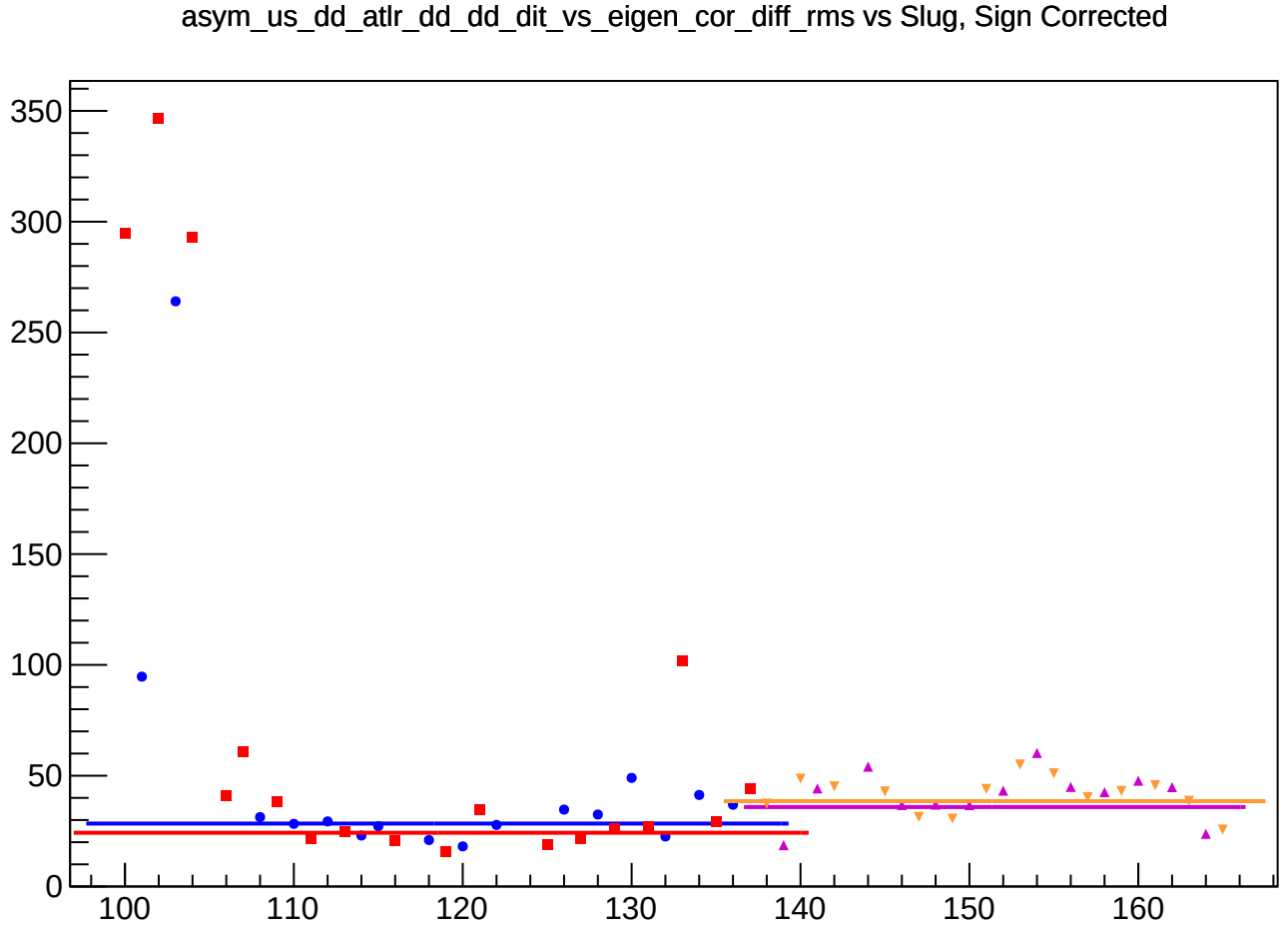
Left: 0.003+/-0.009 χ^2/NDF: 53.6/26

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.008 χ^2/NDF:40.6/31

All: -0.004+/-0.006 χ^2/NDF: 74.9/60



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.515+/-0.009 χ^2/NDF:848965.1/13

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.856+/-0.009 χ^2/NDF:1885824.2/12

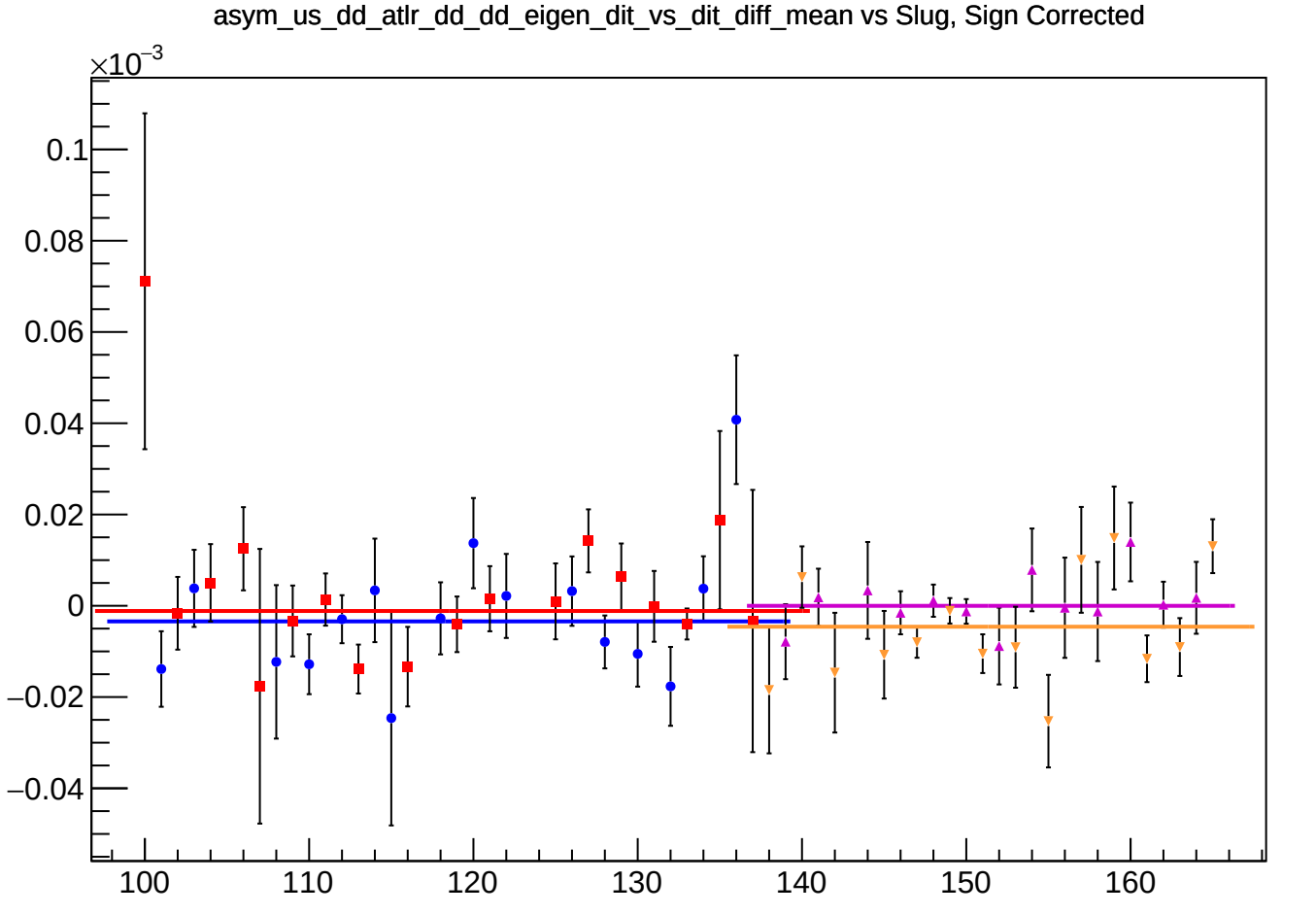
Left: 37.151+/-0.006 χ^2/NDF: 2781724.4/26

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

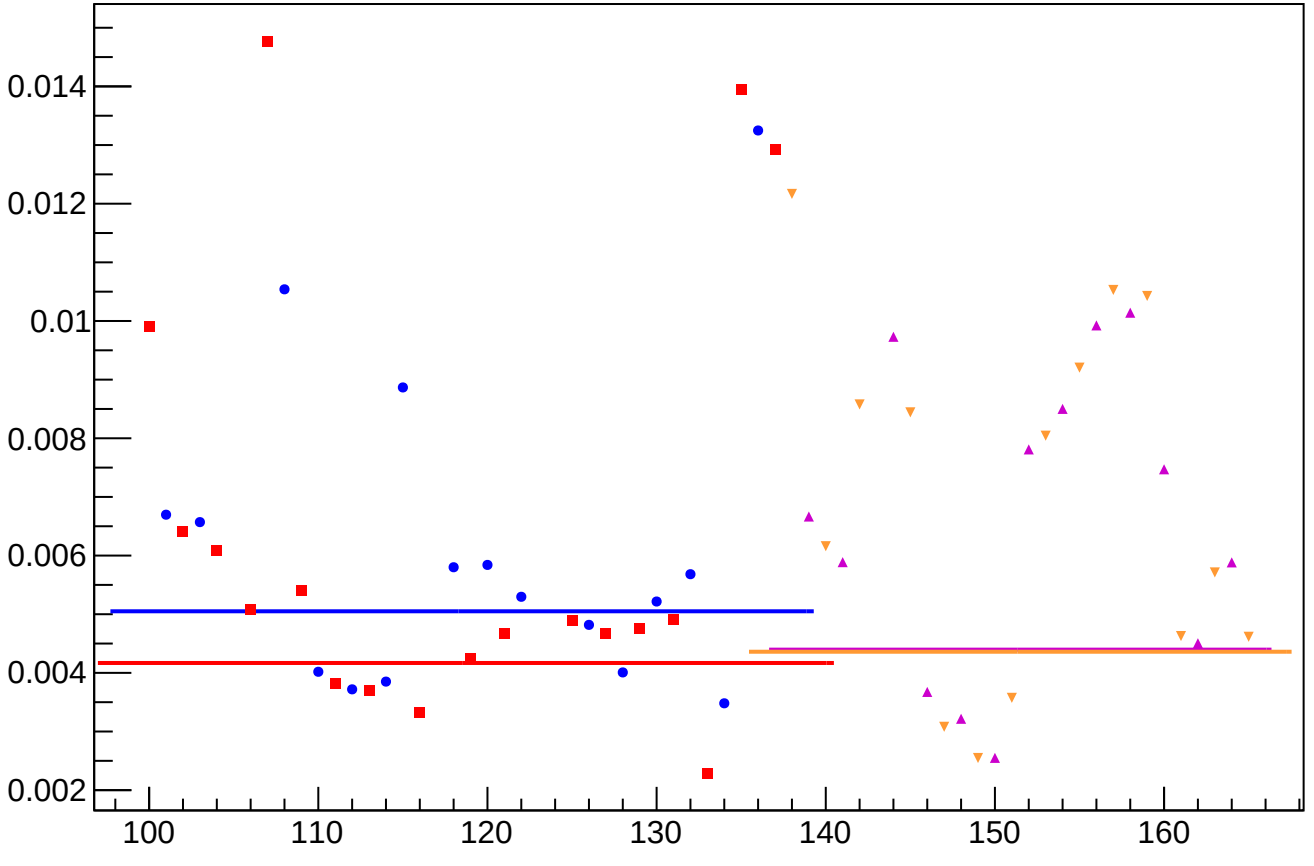
In: 32.194+/-0.006 χ^2/NDF:4503331.9/28

Out: 30.792+/-0.006 χ^2/NDF:5187402.6/31

All: 31.475+/-0.004 χ^2/NDF: 9717761.0/60


asym_us_dd_atlr_dd_dd_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:29.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.1/12
Left: -0.000+/-0.000 χ²/NDF: 40.0/26
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:33.0/28
Out: -0.000+/-0.000 χ²/NDF:54.7/31
All: -0.000+/-0.000 χ²/NDF: 88.9/60

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4587517.9/13

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4110791.2/12

Left: 0.004+/-0.000 χ^2/NDF: 8698856.0/26

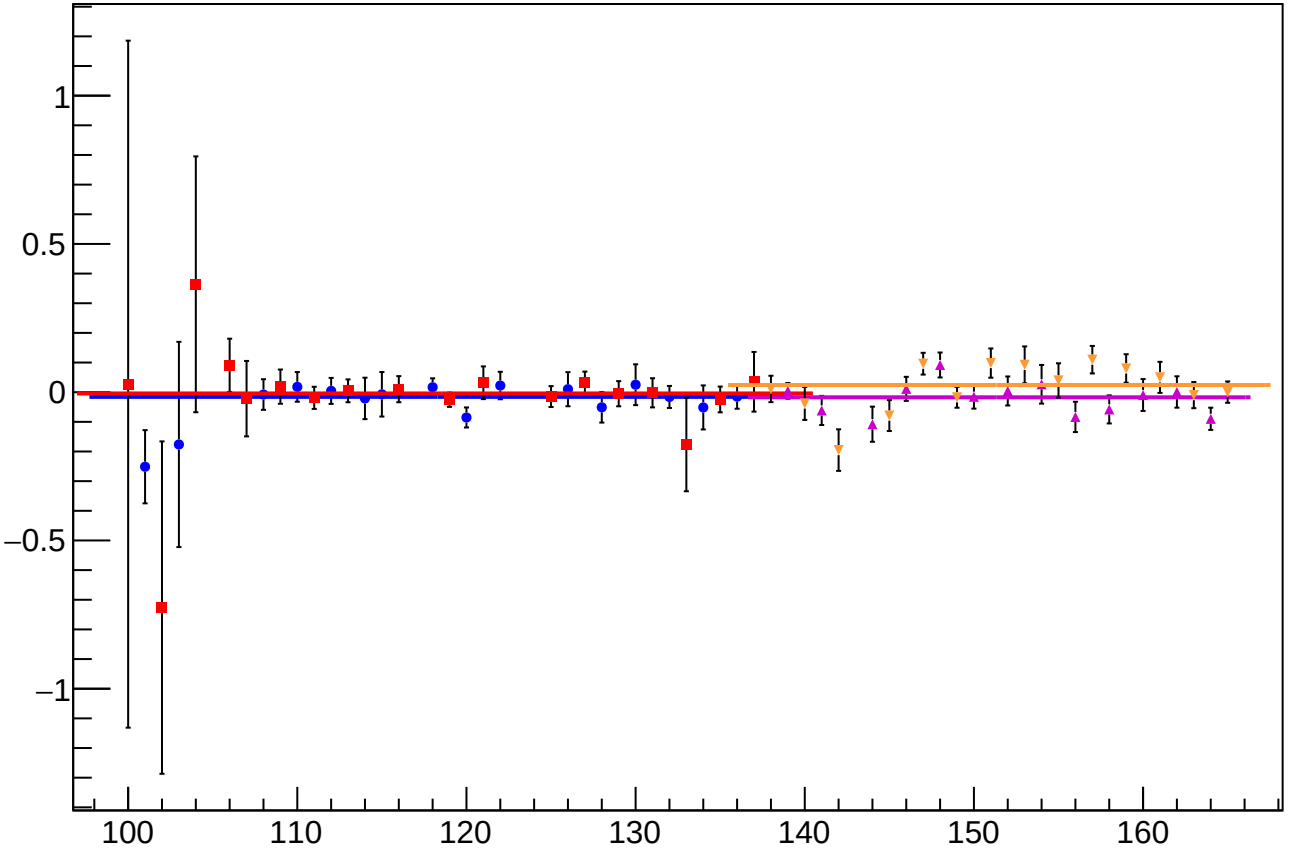
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5737531.1/28

Out: 0.004+/-0.000 χ^2/NDF:6643829.2/31

All: 0.004+/-0.000 χ^2/NDF: 12474401.9/60

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

Left: 0.003+/-0.009 χ^2/NDF: 53.6/26

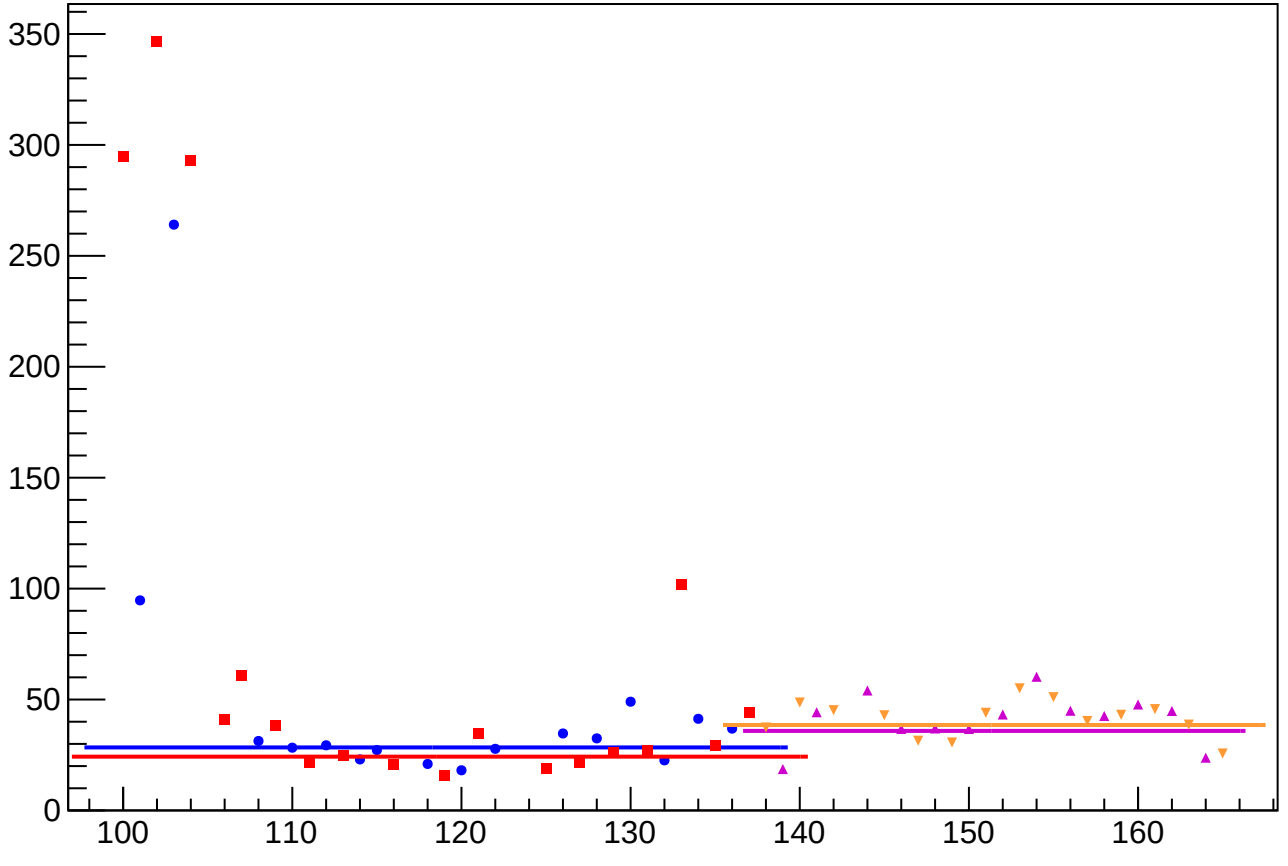
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.008 χ^2/NDF:40.5/31

All: -0.003+/-0.006 χ^2/NDF: 74.8/60

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.515+/-0.009 χ^2/NDF:849136.2/13

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

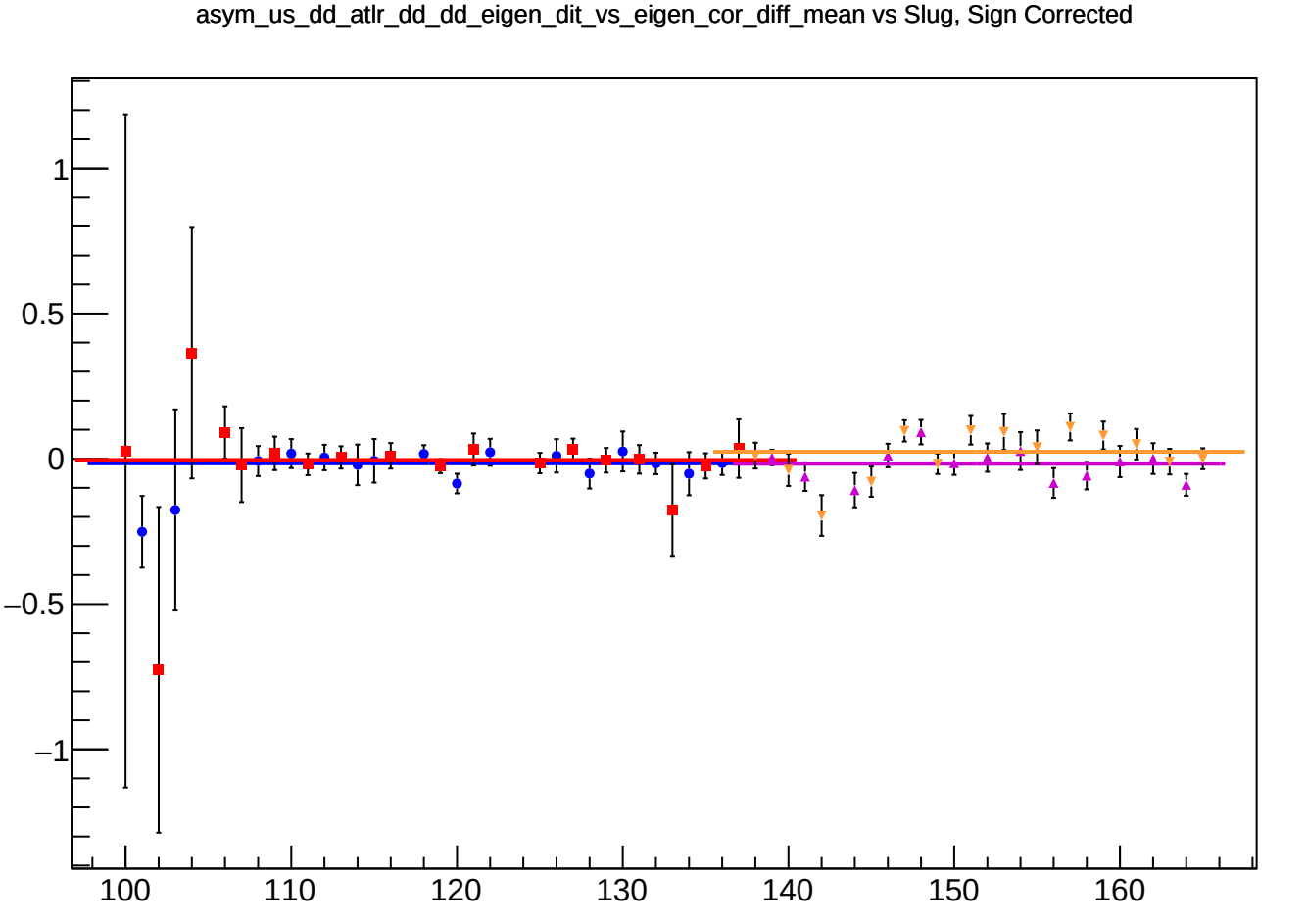
Left: 37.151+/-0.006 χ^2/NDF: 2782336.5/26

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.193+/-0.006 χ^2/NDF:4503755.7/28

Out: 30.791+/-0.006 χ^2/NDF:5188115.9/31

All: 31.474+/-0.004 χ^2/NDF: 9718941.9/60



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

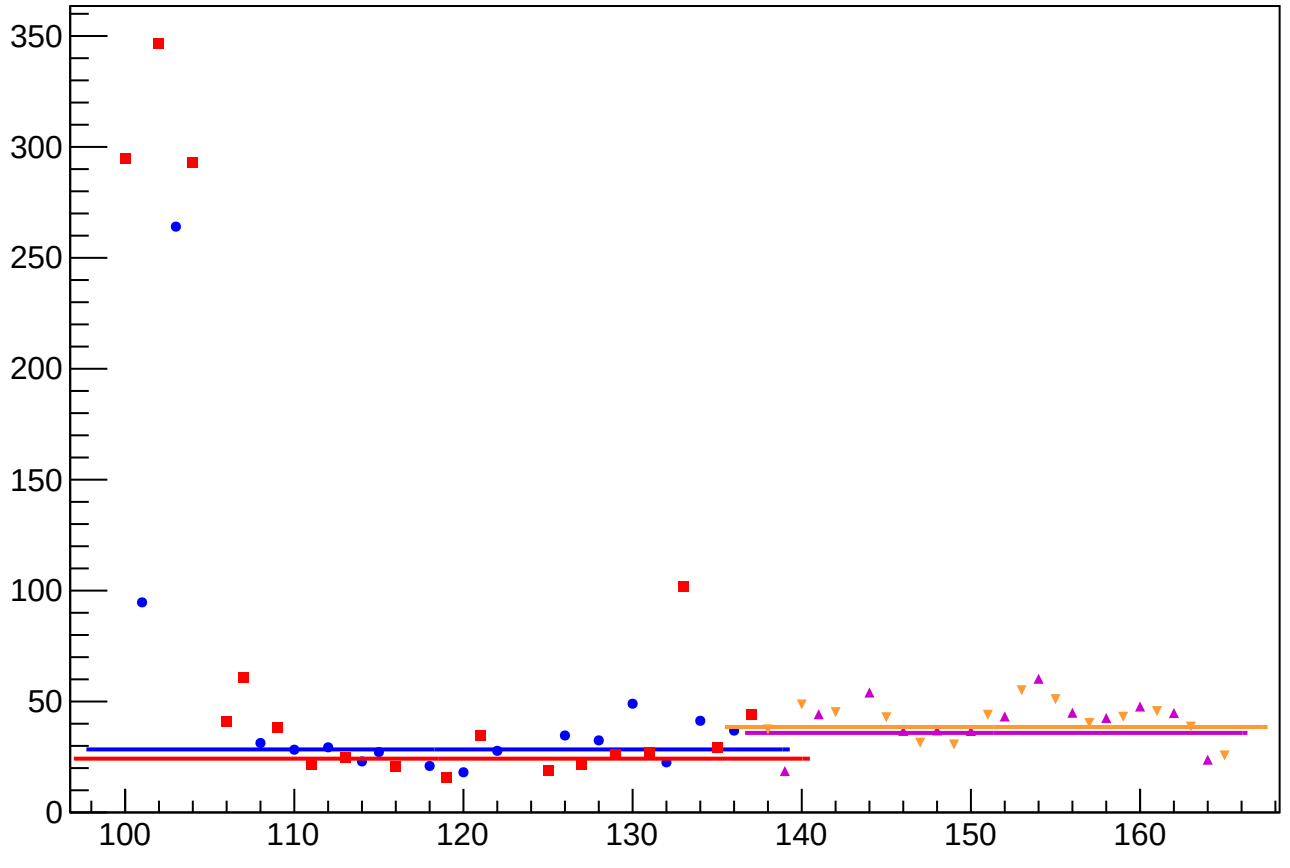
Left: 0.003+/-0.009 χ^2/NDF: 53.6/26

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.008 χ^2/NDF:40.5/31

All: -0.003+/-0.006 χ^2/NDF: 74.8/60



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.515+/-0.009 χ^2/NDF:849136.2/13

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

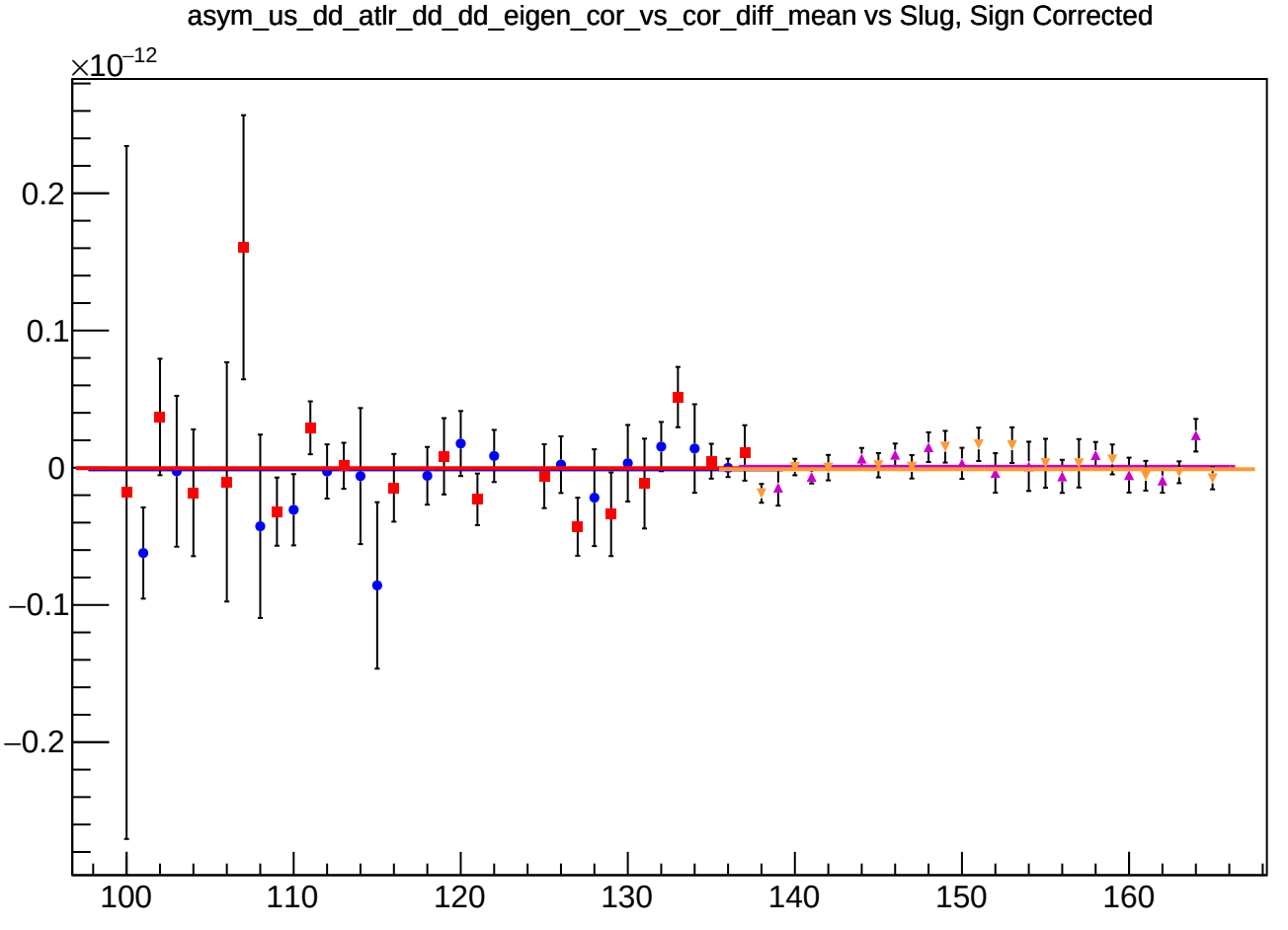
Left: 37.151+/-0.006 χ^2/NDF: 2782336.5/26

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.193+/-0.006 χ^2/NDF:4503755.7/28

Out: 30.791+/-0.006 χ^2/NDF:5188115.9/31

All: 31.474+/-0.004 χ^2/NDF: 9718941.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

Left: -0.000+/-0.000 χ^2/NDF: 28.2/26

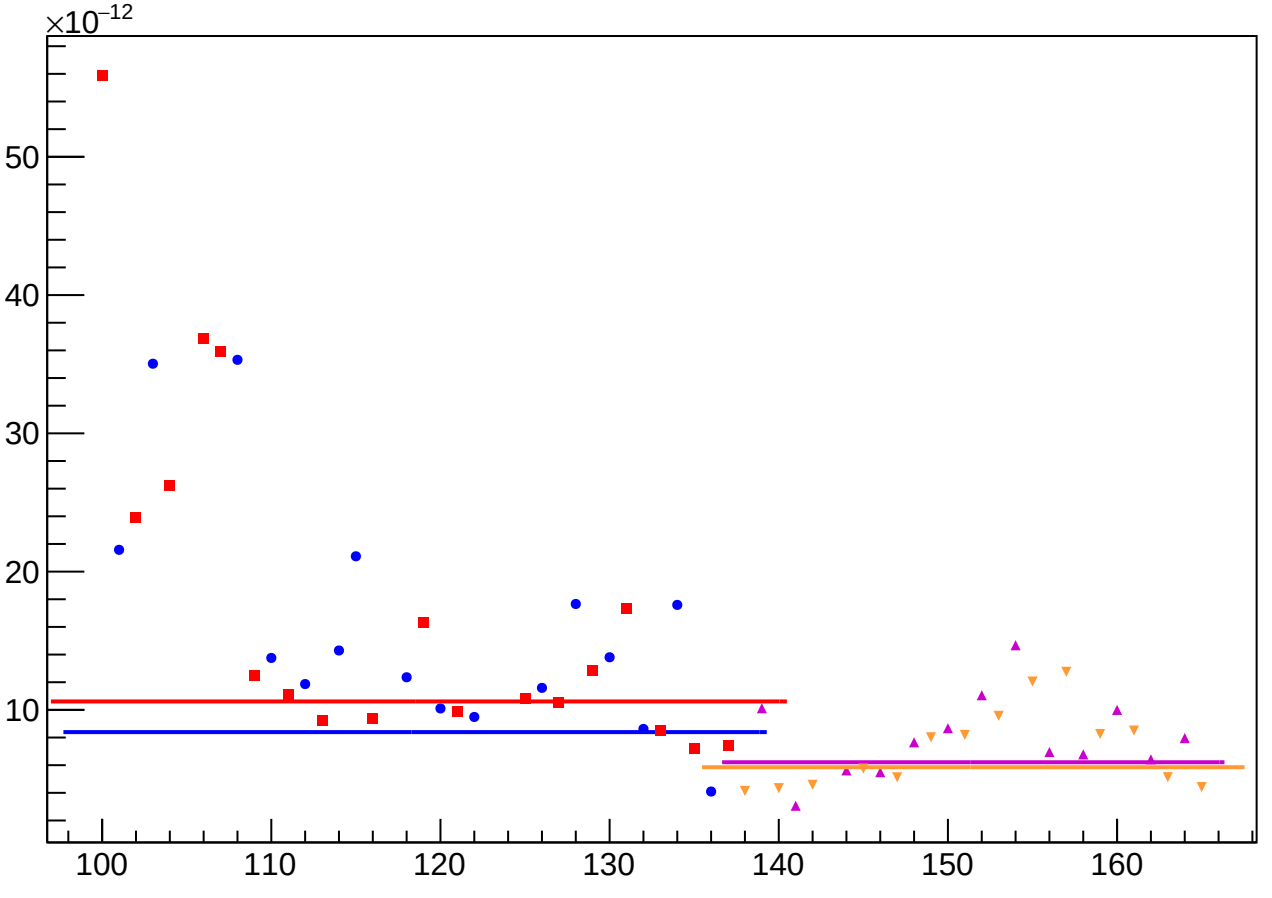
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: 0.000+/-0.000 χ^2/NDF:23.2/28

Out: -0.000+/-0.000 χ^2/NDF:35.5/31

All: -0.000+/-0.000 χ^2/NDF: 58.8/60

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:1456664.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2077276.8/12

Left: 0.000+/-0.000 χ^2/NDF: 3554013.7/26

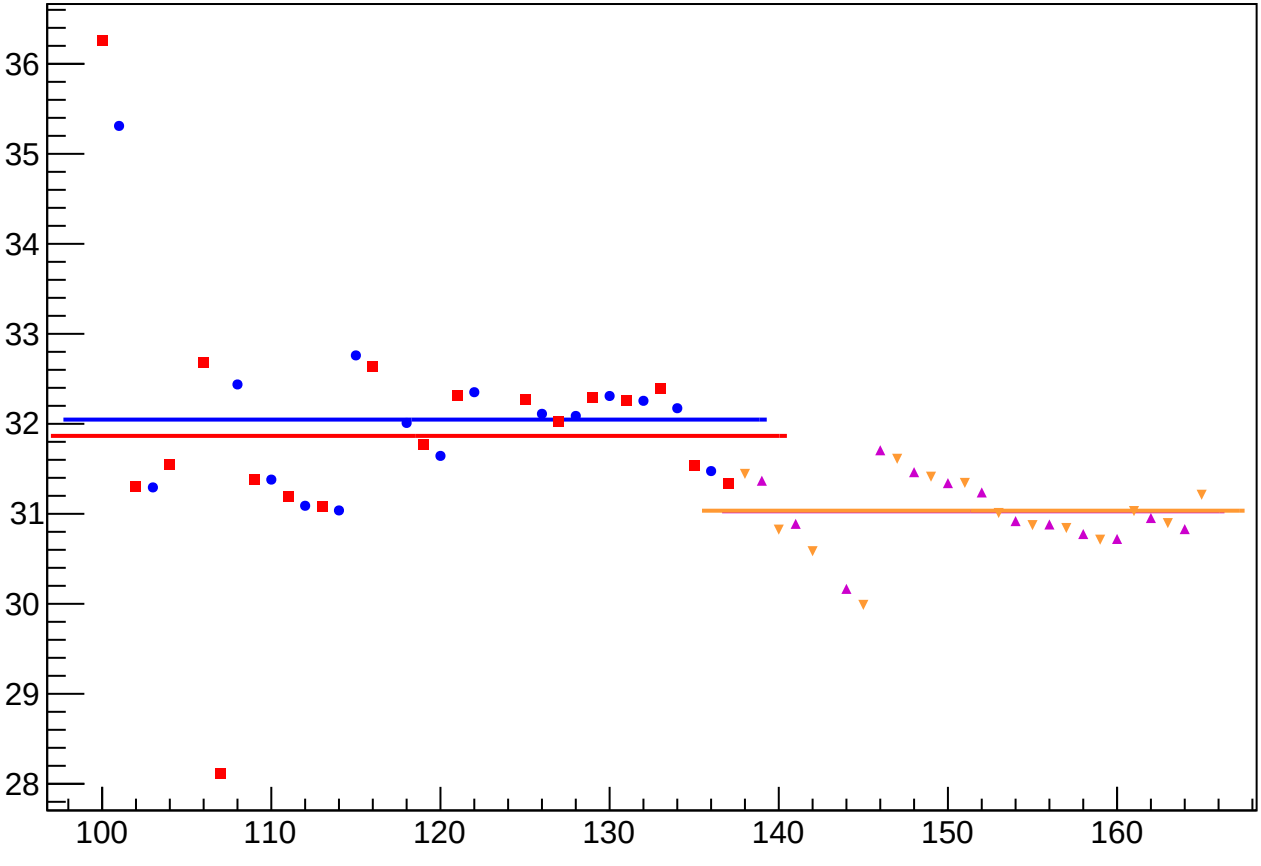
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5108577.6/28

Out: 0.000+/-0.000 χ^2/NDF:3891491.1/31

All: 0.000+/-0.000 χ^2/NDF: 9001323.3/60

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.035+/-0.000 χ^2/NDF:219814198.2/13

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.028+/-0.000 χ^2/NDF:224050206.6/12

Left: 31.031+/-0.000 χ^2/NDF: 443899215.9/26

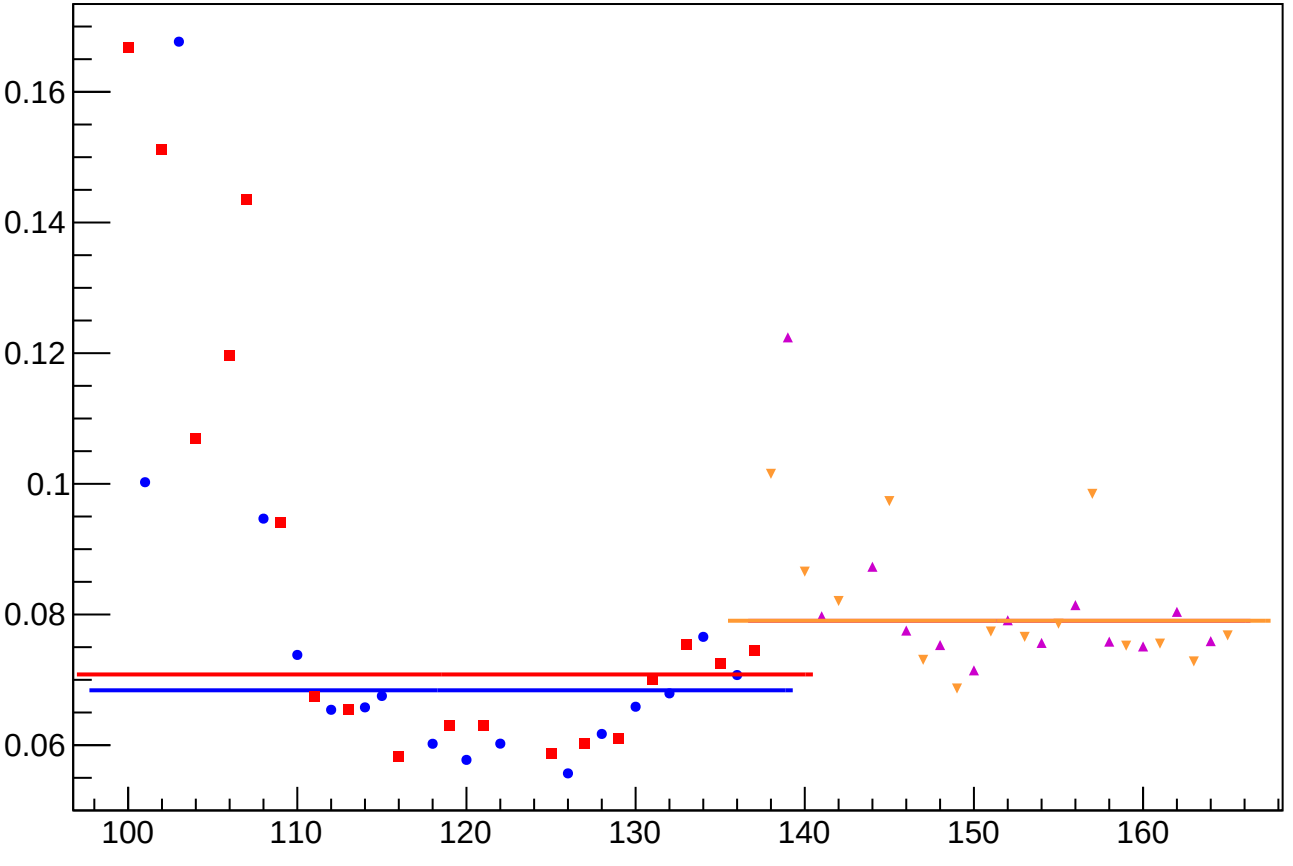
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.498+/-0.000 χ^2/NDF:1871616200.1/28

Out: 31.402+/-0.000 χ^2/NDF:1184432159.2/31

All: 31.450+/-0.000 χ^2/NDF: 3069097227.9/6

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:255605.0/13

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:249014.4/12

Left: 0.079+/-0.000 χ^2/NDF: 504620.1/26

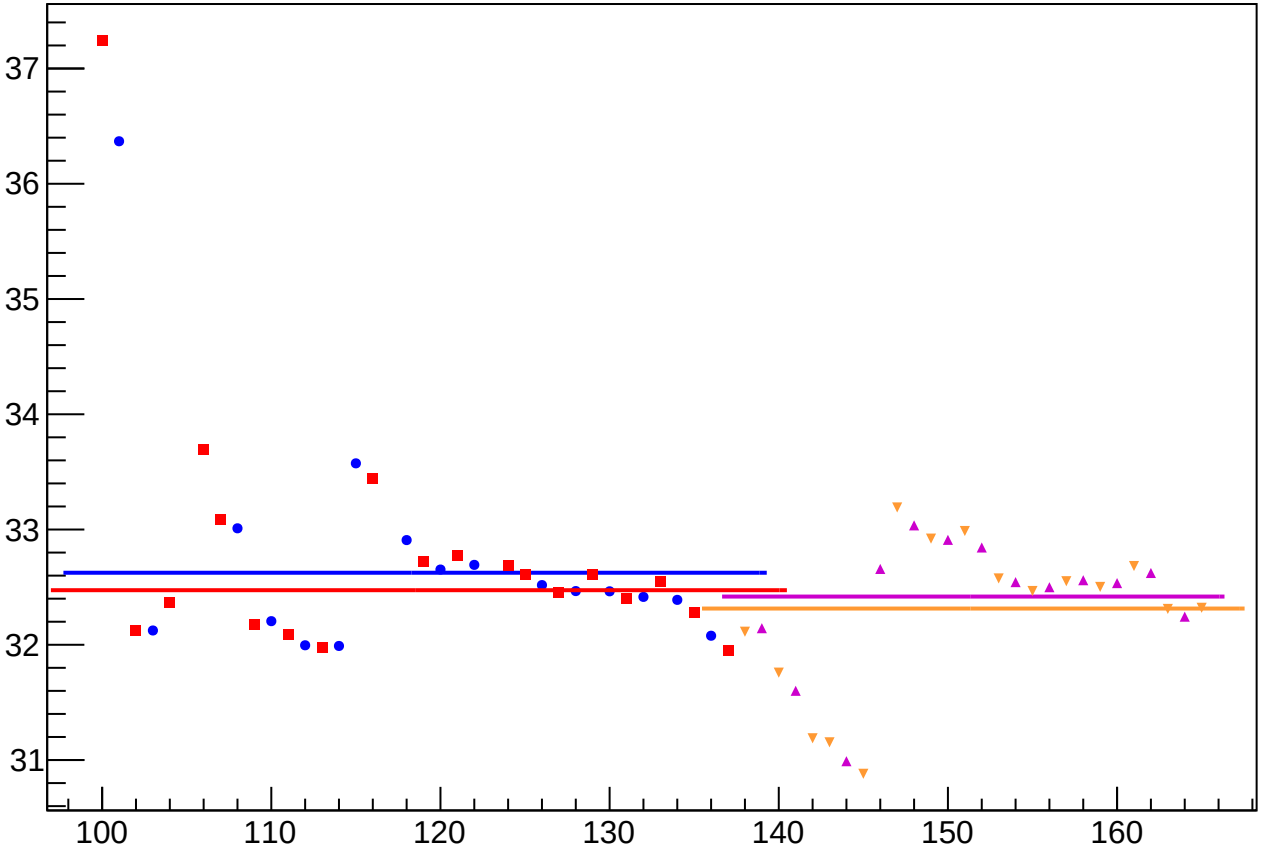
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1115122.0/28

Out: 0.075+/-0.000 χ^2/NDF:1217496.6/31

All: 0.075+/-0.000 χ^2/NDF: 2337334.8/60

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773276305.5/14

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.418+/-0.000 χ^2/NDF:527571428.5/12

Left: 32.365+/-0.000 χ^2/NDF: 1309855110.6/27

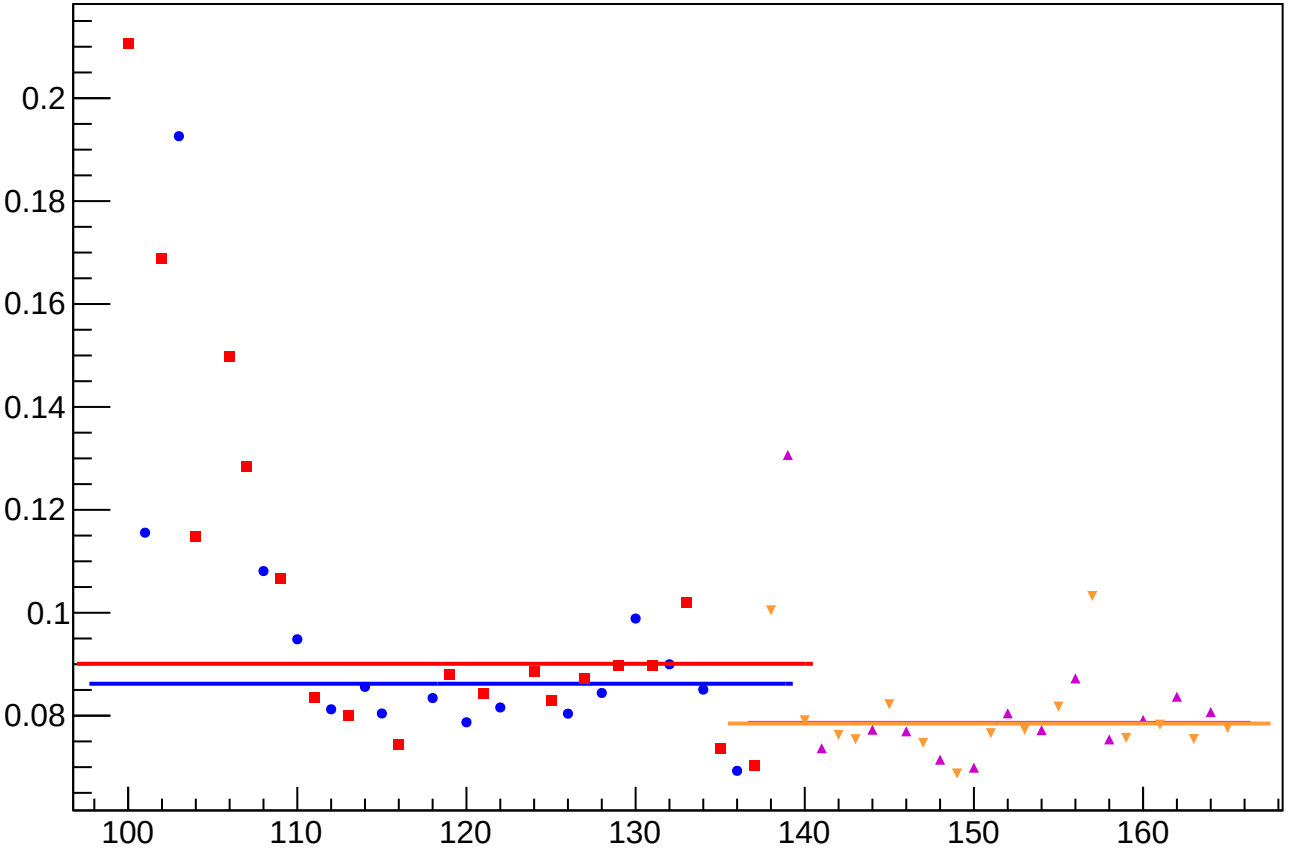
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.489+/-0.000 χ^2/NDF:1290386494.0/28

Out: 32.365+/-0.000 χ^2/NDF:943845549.1/33

All: 32.426+/-0.000 χ^2/NDF: 2253596753.9/6

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:197717.3/14

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.079+/-0.000 χ^2/NDF:334112.9/12

Left: 0.079+/-0.000 χ^2/NDF: 531854.6/27

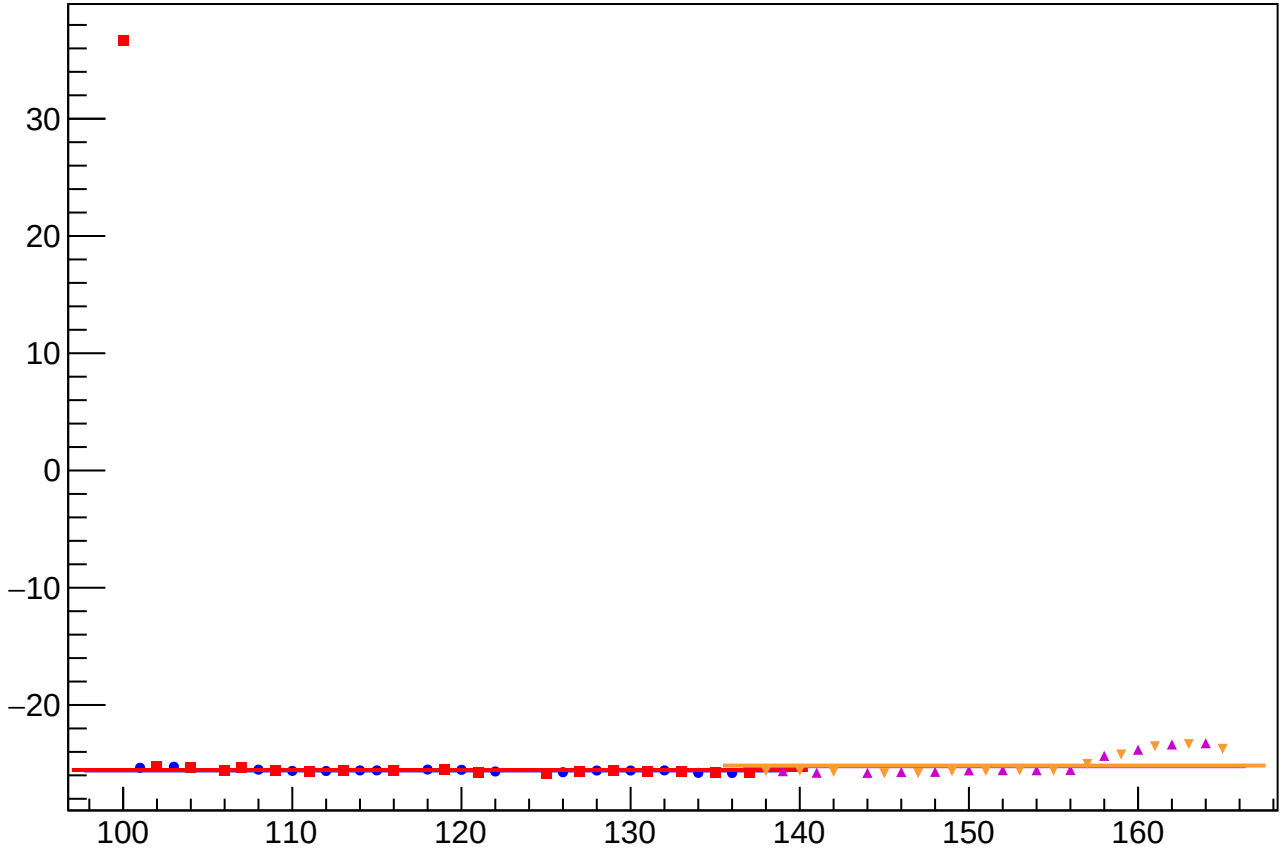
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:997006.7/28

Out: 0.082+/-0.000 χ^2/NDF:966037.2/33

All: 0.082+/-0.000 χ^2/NDF: 1965174.1/62

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.167+/-0.000 χ^2/NDF:3821861946.9/13

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.218+/-0.000 χ^2/NDF:3897508943.9/12

Left: -25.193+/-0.000 χ^2/NDF: 7726361167.6/26

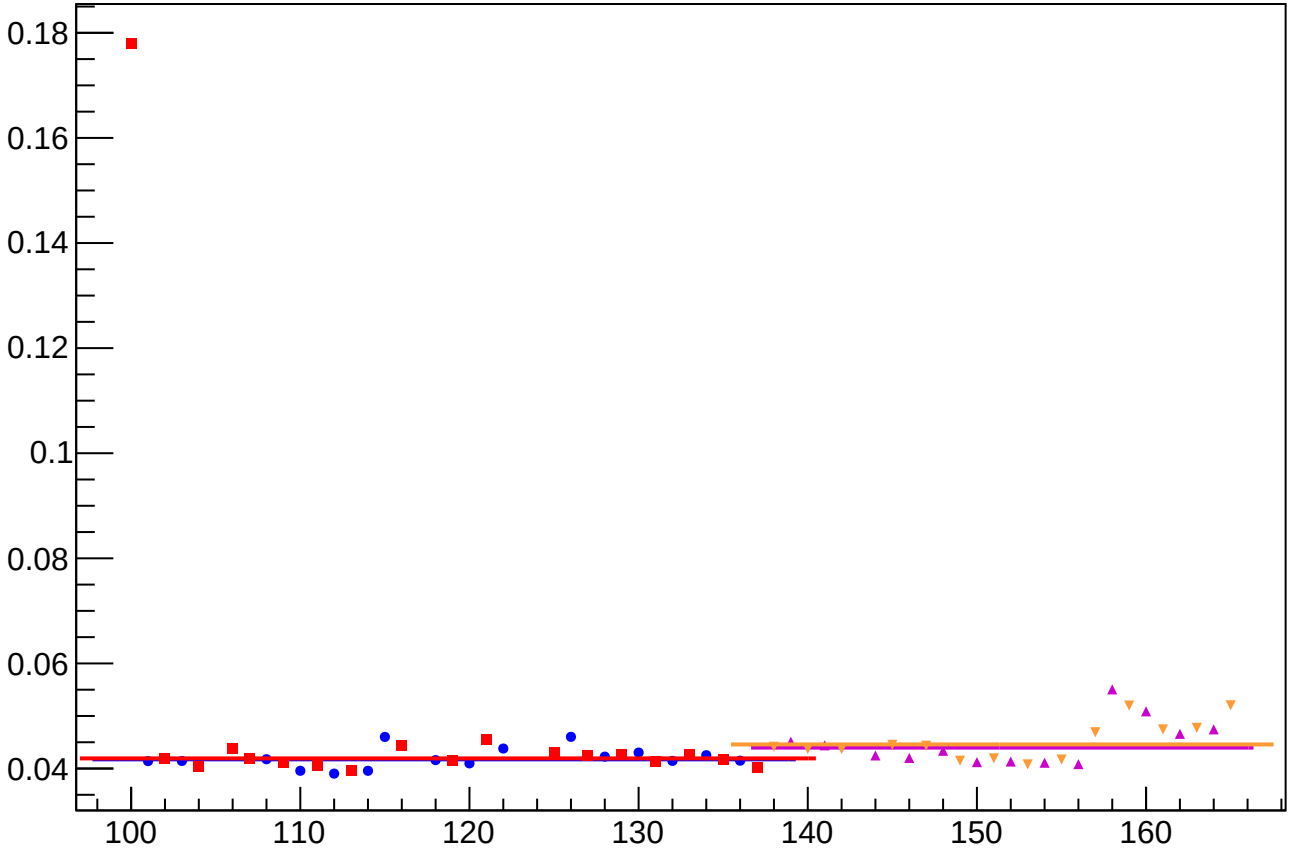
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.372+/-0.000 χ^2/NDF:4303272433.0/28

Out: -25.330+/-0.000 χ^2/NDF:13060212262.7/31

All: -25.351+/-0.000 χ^2/NDF: 17371739672.0

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:113134.6/13

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.044+/-0.000 χ^2/NDF:150518.7/12

Left: 0.044+/-0.000 χ^2/NDF: 265665.1/26

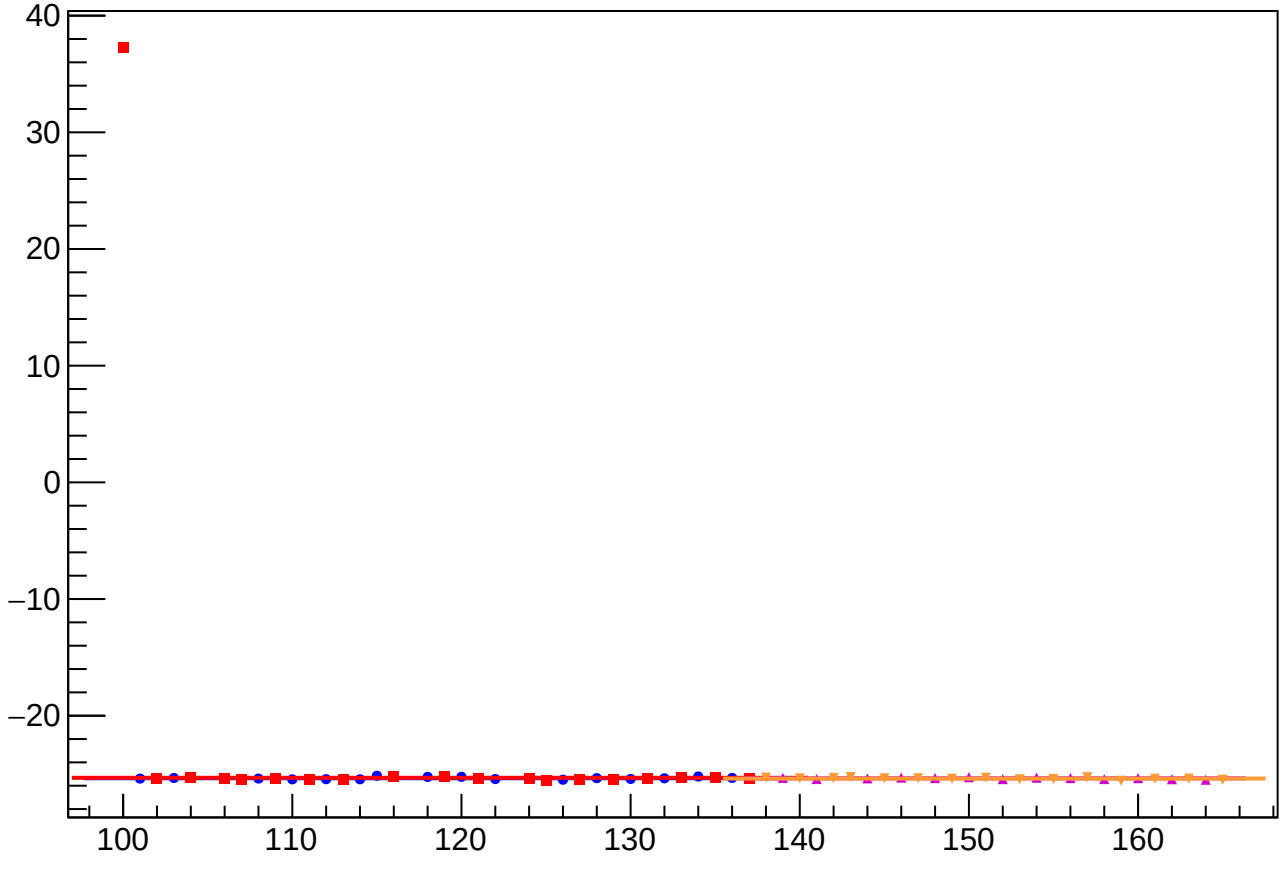
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:194707.3/28

Out: 0.043+/-0.000 χ^2/NDF:246242.1/31

All: 0.043+/-0.000 χ^2/NDF: 442536.8/60

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.388+/-0.000 χ^2/NDF:24595498.8/14

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.368+/-0.000 χ^2/NDF:12532538.4/12

Left: -25.378+/-0.000 χ^2/NDF: 37834598.6/27

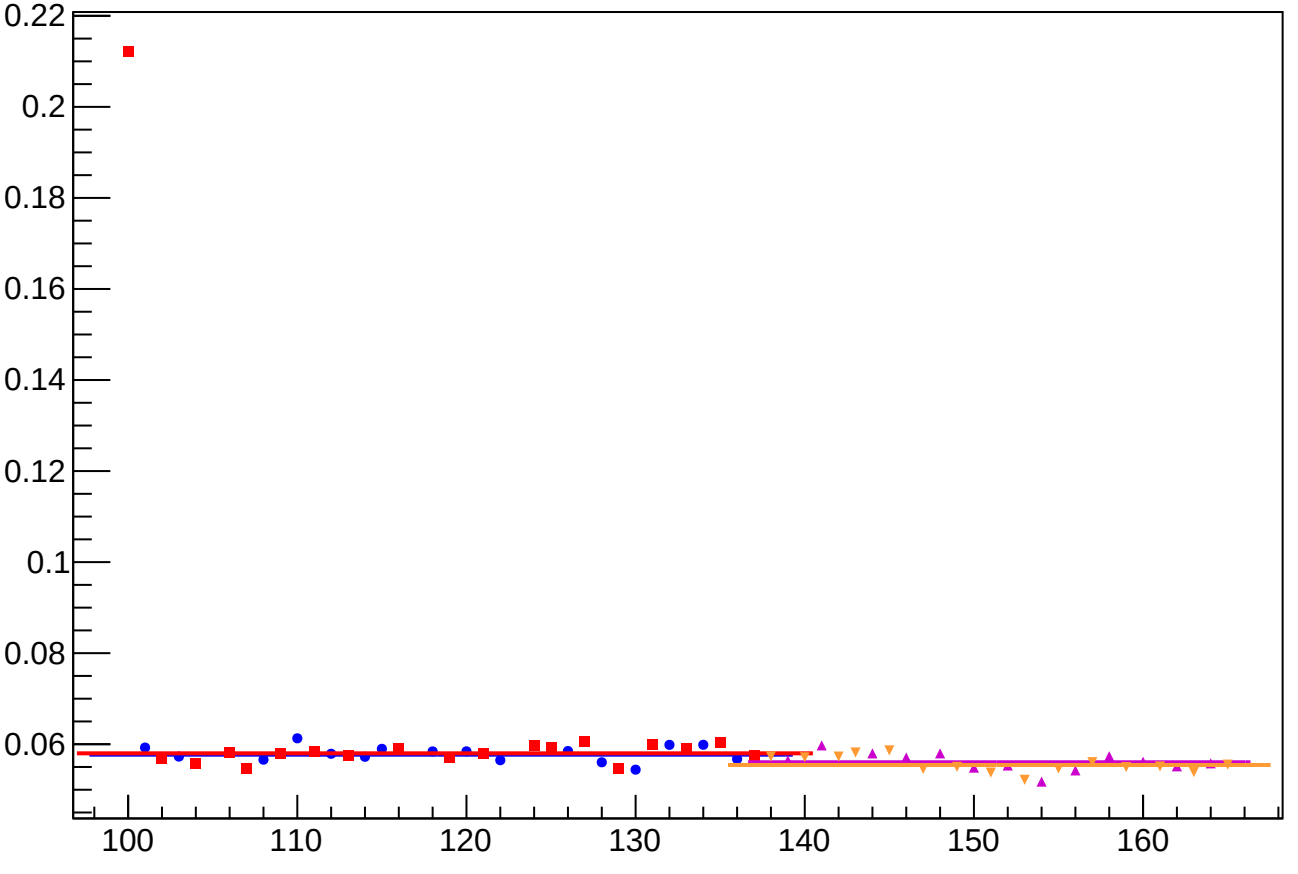
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.365+/-0.000 χ^2/NDF:25887563.6/28

Out: -25.364+/-0.000 χ^2/NDF:6345350331.5/33

All: -25.364+/-0.000 χ^2/NDF: 6371242110.5/

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:22437.2/14

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26667.1/12

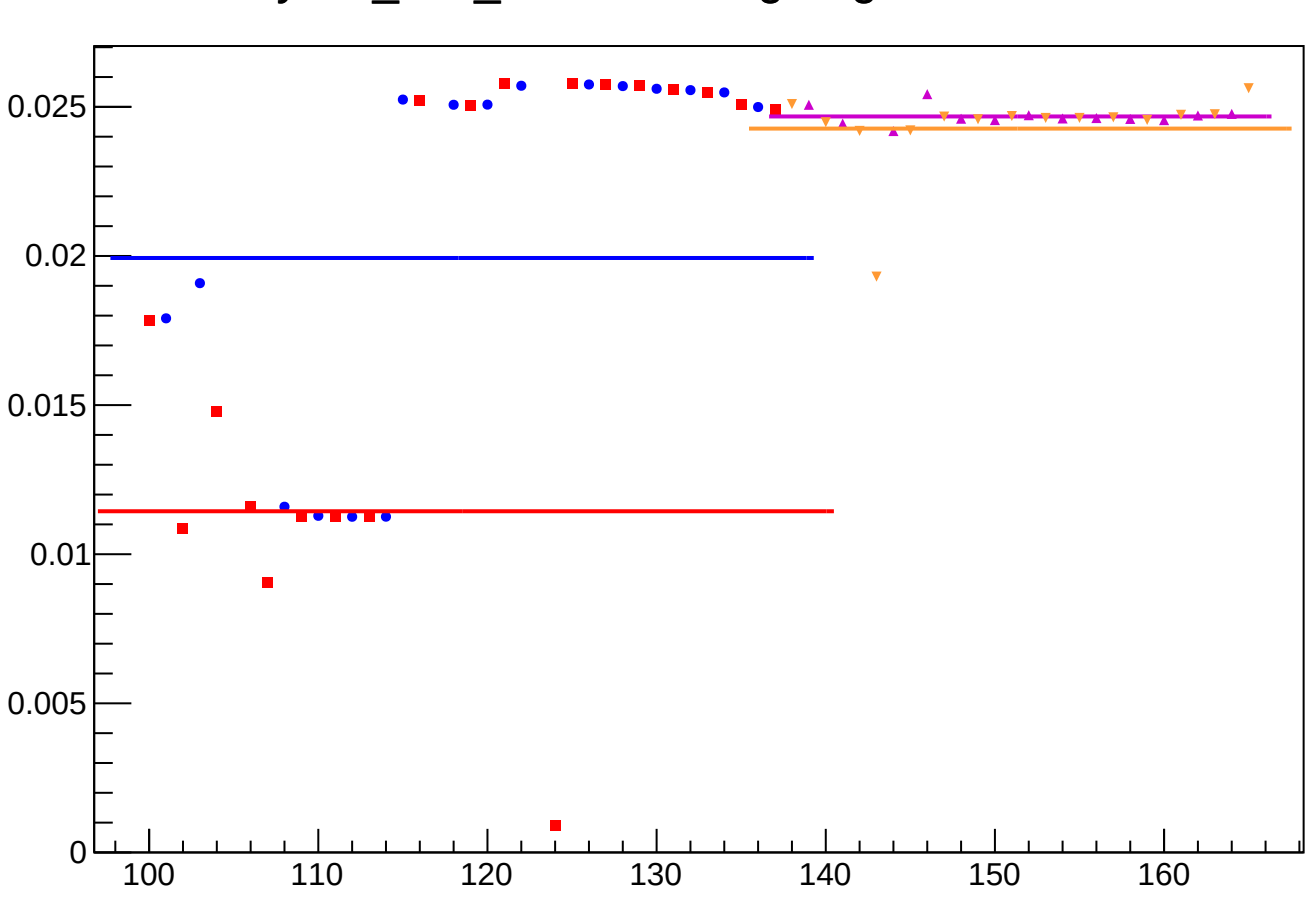
Left: 0.056+/-0.000 χ^2/NDF: 50350.5/27

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

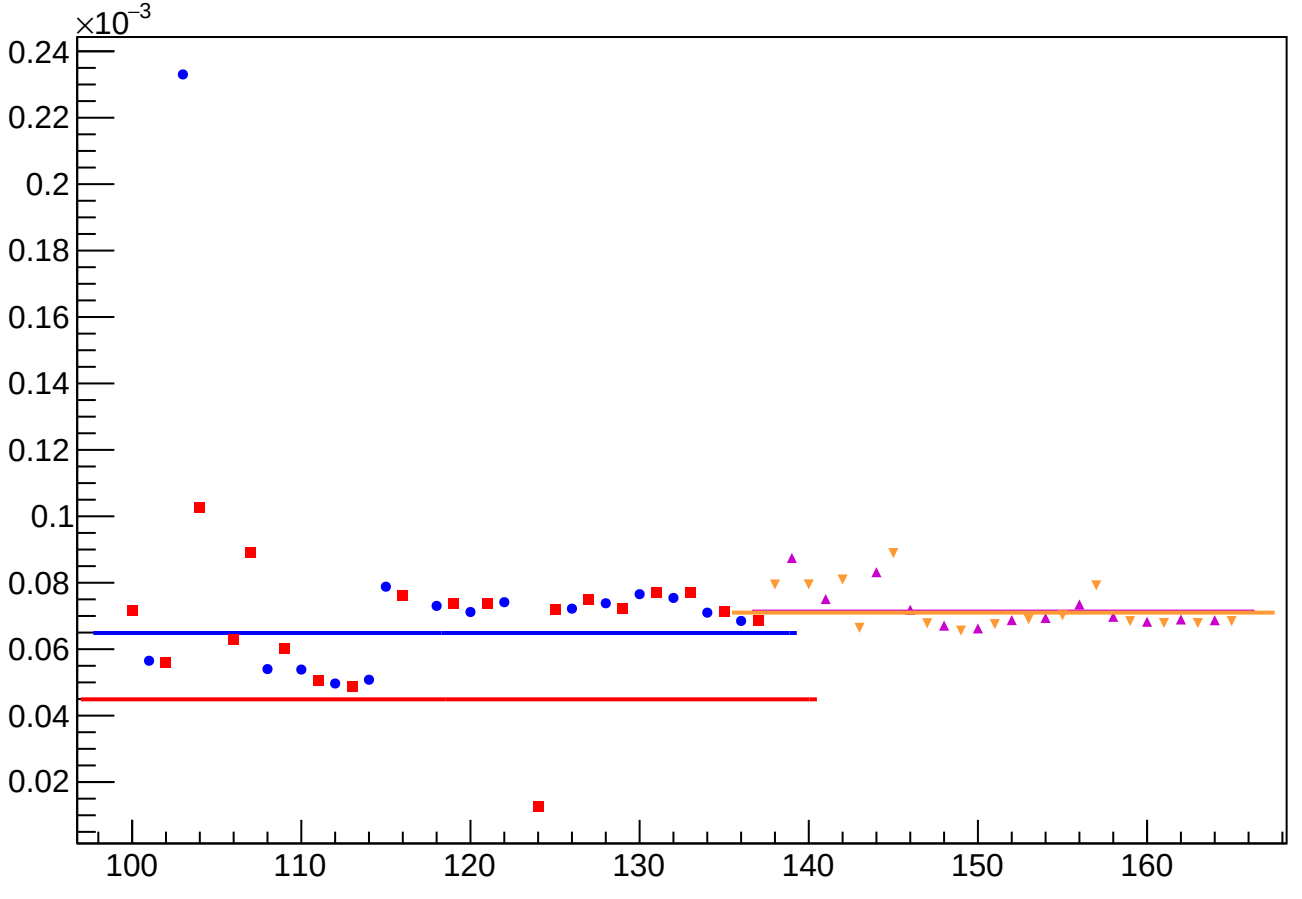
In: 0.057+/-0.000 χ^2/NDF:45610.7/28

Out: 0.056+/-0.000 χ^2/NDF:128900.6/33

All: 0.057+/-0.000 χ^2/NDF: 175004.5/62


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
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.024+/-0.000 χ²/NDF:4975471196.5/14
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:159928467.3/12
Left: 0.024+/-0.000 χ²/NDF: 5316022279.8/27
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:82756565375.5/28
Out: 0.018+/-0.000 χ²/NDF:455607847404.8/33
All: 0.020+/-0.000 χ²/NDF: 593050725705.0

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:167311.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:124454.8/12

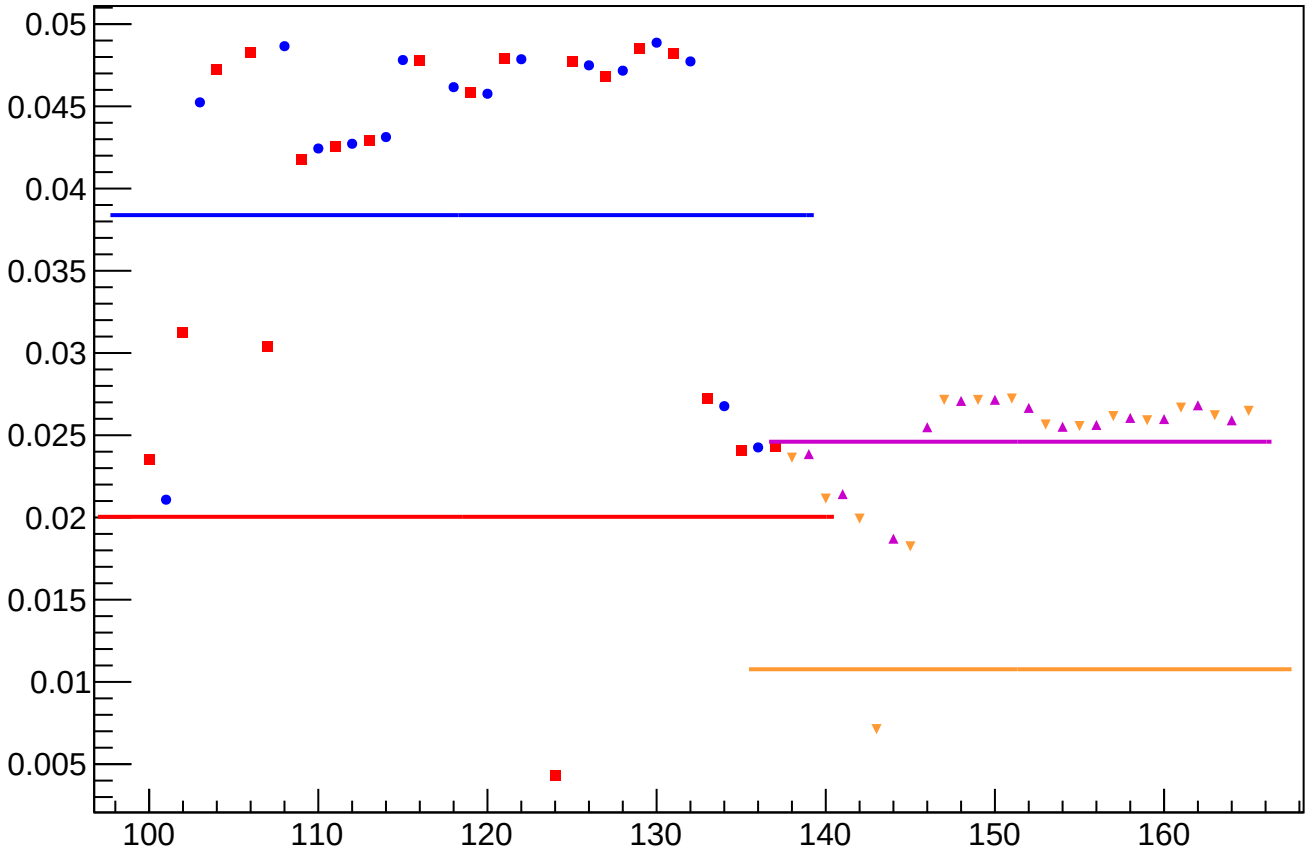
Left: 0.000+/-0.000 χ^2/NDF: 291982.1/27

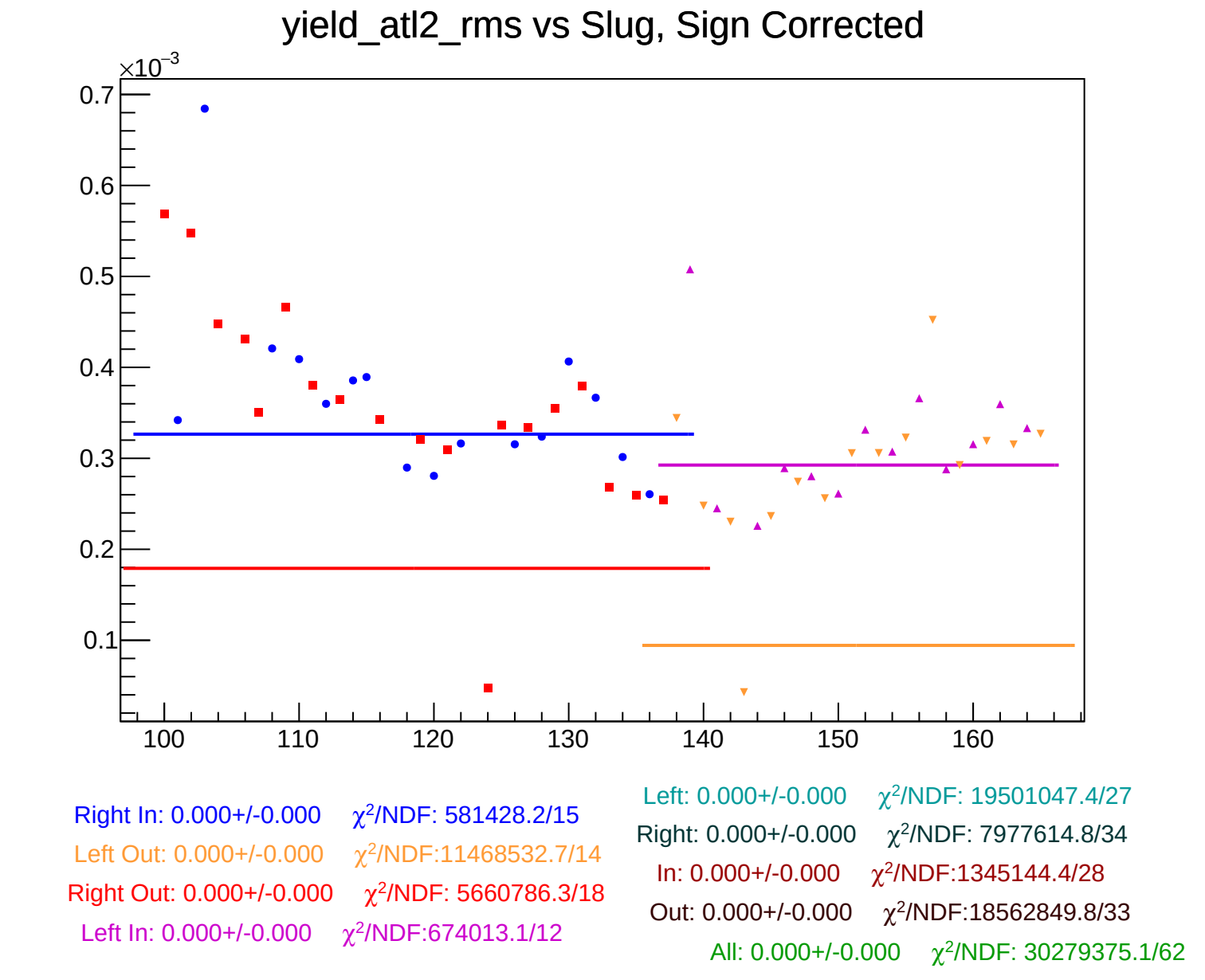
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015708.2/28

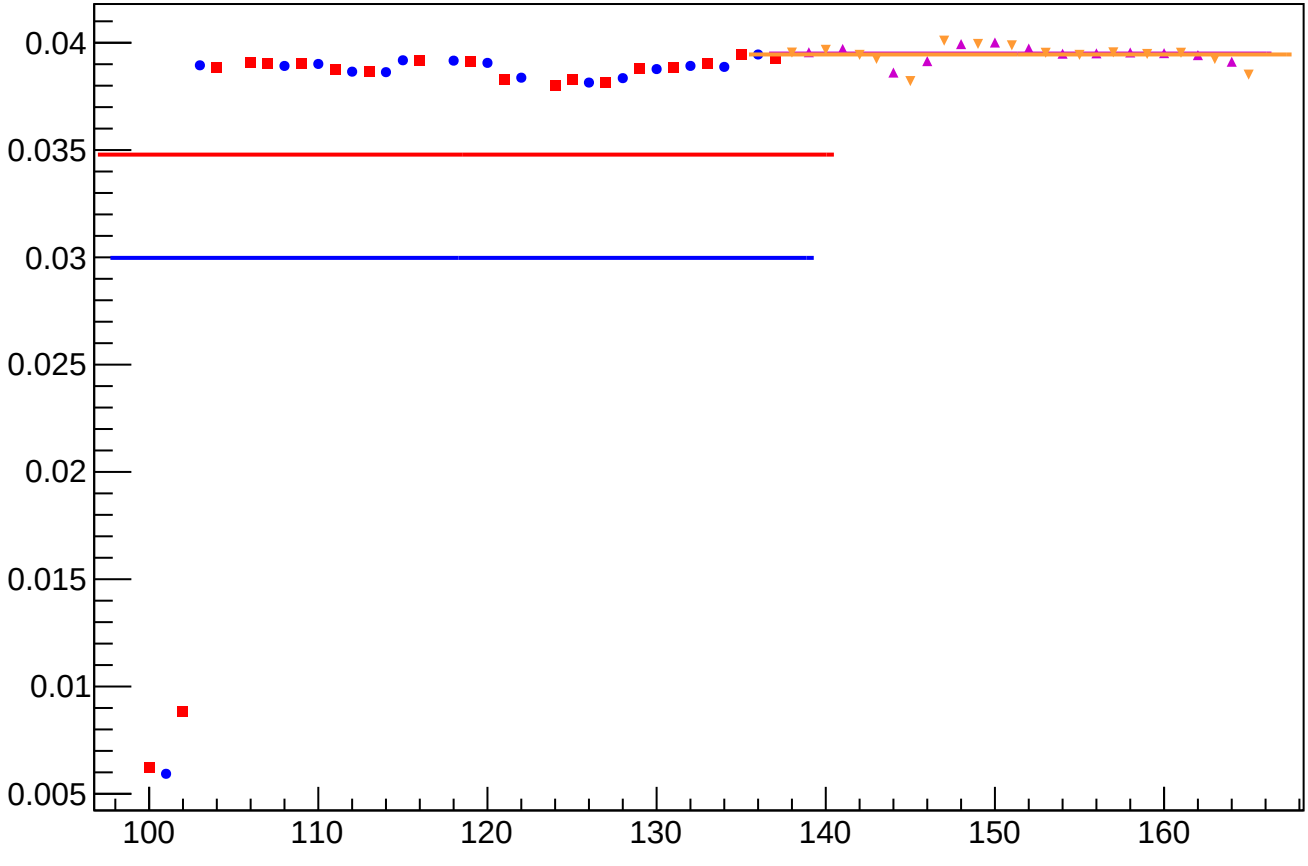
Out: 0.000+/-0.000 χ^2/NDF:5566092.1/33

All: 0.000+/-0.000 χ^2/NDF: 7111179.6/62


yield_atl2_mean vs Slug, Sign Corrected
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.038+/-0.000 χ²/NDF: 7078619233.3/15
Left Out: 0.011+/-0.000 χ²/NDF:28712651067.7/14
Right Out: 0.020+/-0.000 χ²/NDF: 42185025429.6/18
Left In: 0.025+/-0.000 χ²/NDF:944901021.6/12
Left: 0.013+/-0.000 χ²/NDF: 47579062764.4/27
Right: 0.026+/-0.000 χ²/NDF: 62680347103.1/34
In: 0.029+/-0.000 χ²/NDF:15395007157.6/28
Out: 0.012+/-0.000 χ²/NDF:79482652720.9/33
All: 0.016+/-0.000 χ²/NDF: 133983426332.4


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
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:11468532.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:674013.1/12
Left: 0.000+/-0.000 χ²/NDF: 19501047.4/27
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:1345144.4/28
Out: 0.000+/-0.000 χ²/NDF:18562849.8/33
All: 0.000+/-0.000 χ²/NDF: 30279375.1/62

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:133771699.8/14

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:72237429.1/12

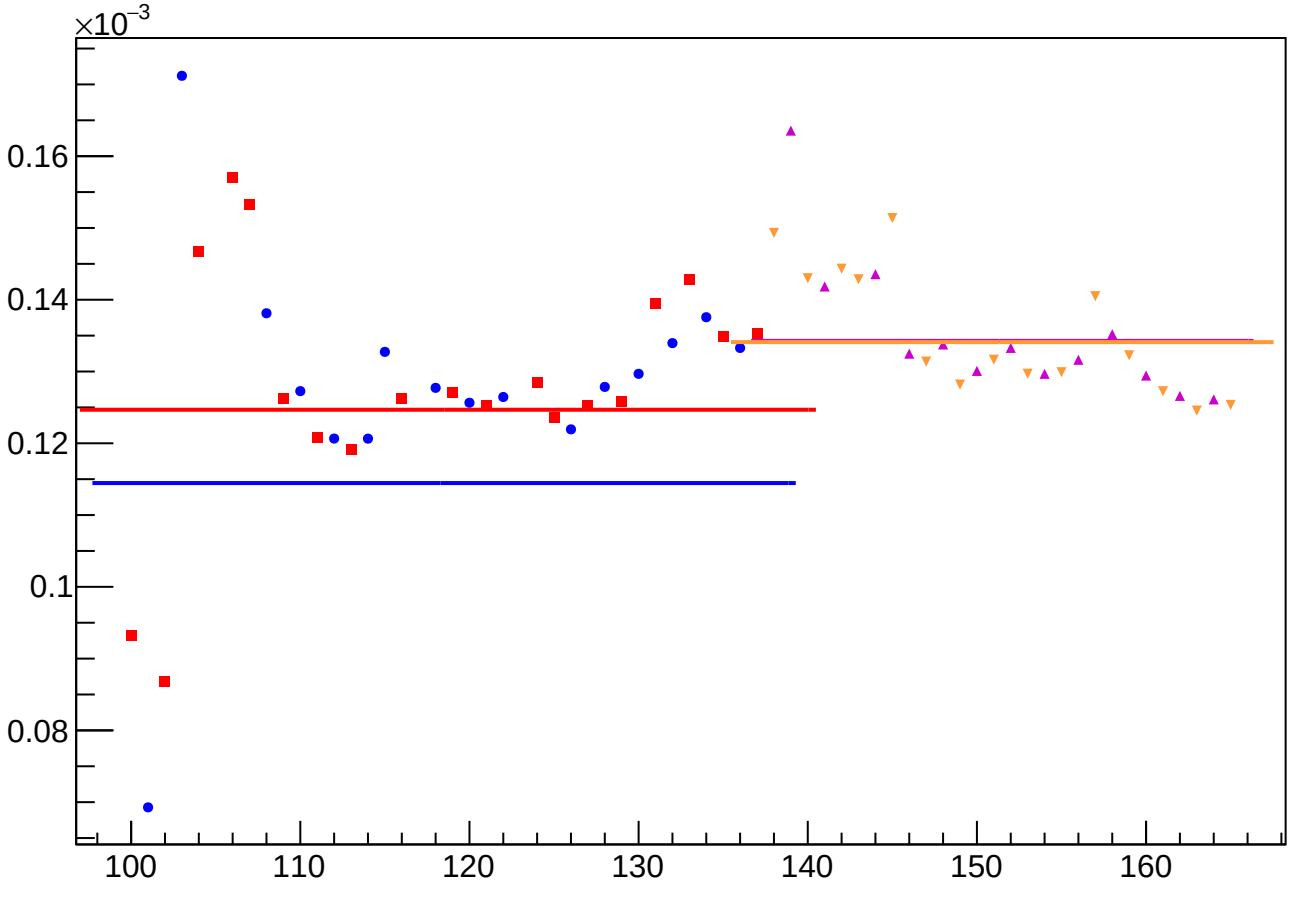
Left: 0.039+/-0.000 χ^2/NDF: 206576927.8/27

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:133092034604.6/28

Out: 0.038+/-0.000 χ^2/NDF:53110128460.4/33

All: 0.036+/-0.000 χ^2/NDF: 189434772547.8



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:84526.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:83230.9/12

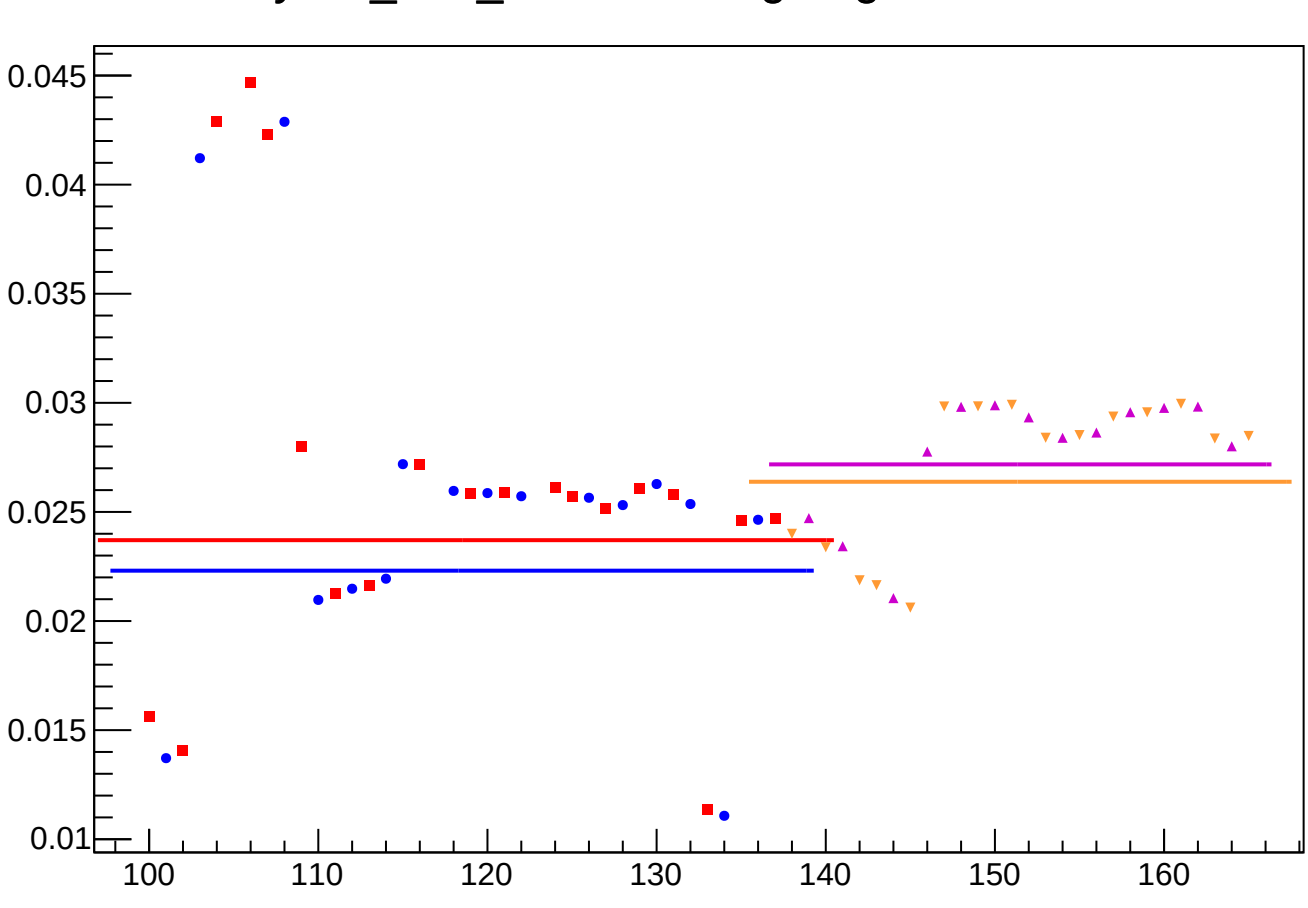
Left: 0.000+/-0.000 χ^2/NDF: 167774.1/27

Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1150475.7/28

Out: 0.000+/-0.000 χ^2/NDF:391525.1/33

All: 0.000+/-0.000 χ^2/NDF: 1570391.1/62



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1799177455.5/14

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1241563777.5/12

Left: 0.027+/-0.000 χ^2/NDF: 3080759374.2/27

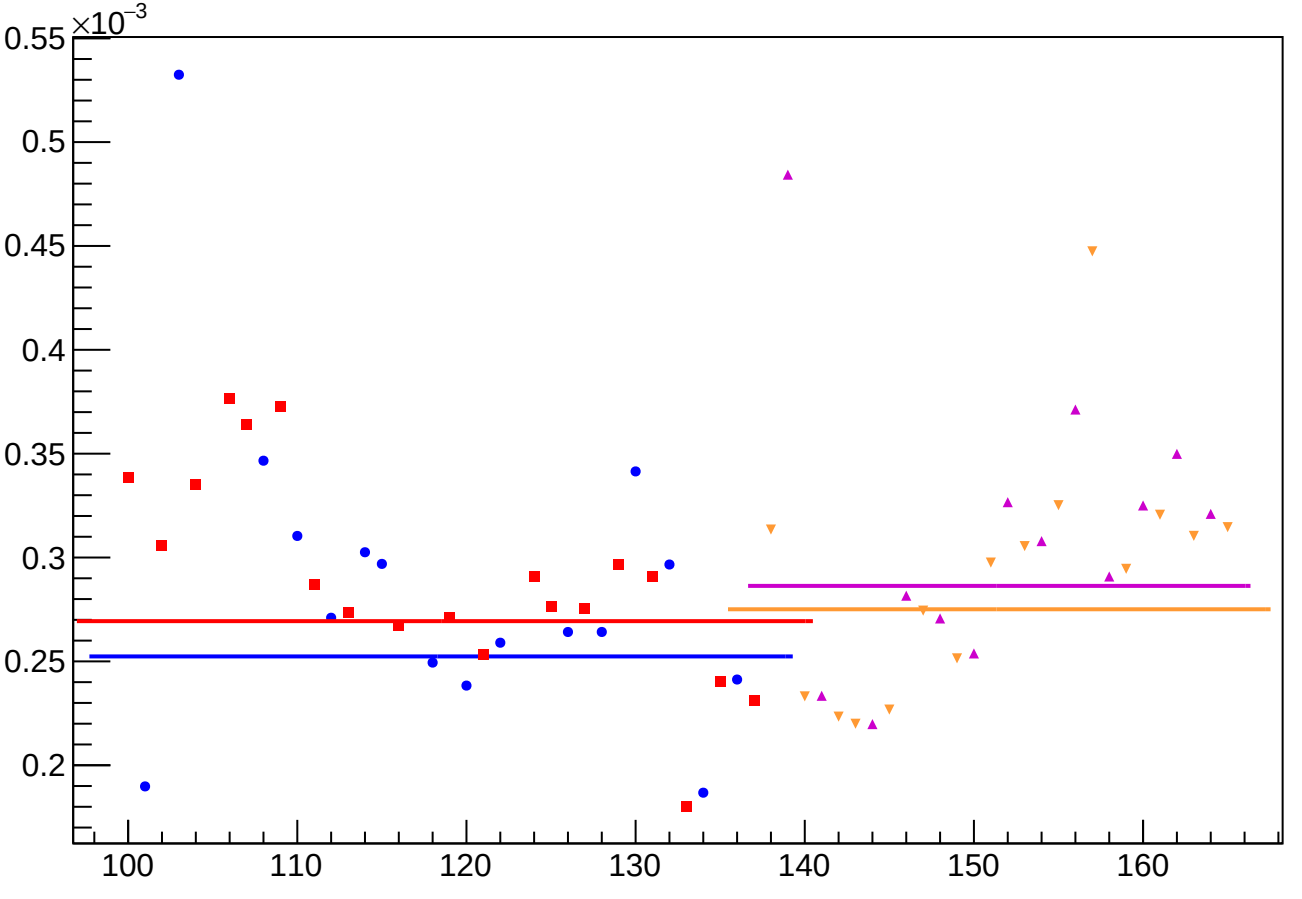
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7527546830.7/28

Out: 0.025+/-0.000 χ^2/NDF:7766313138.4/33

All: 0.025+/-0.000 χ^2/NDF: 15307202772.0/6

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:598560.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:726822.0/12

Left: 0.000+/-0.000 χ^2/NDF: 1341397.7/27

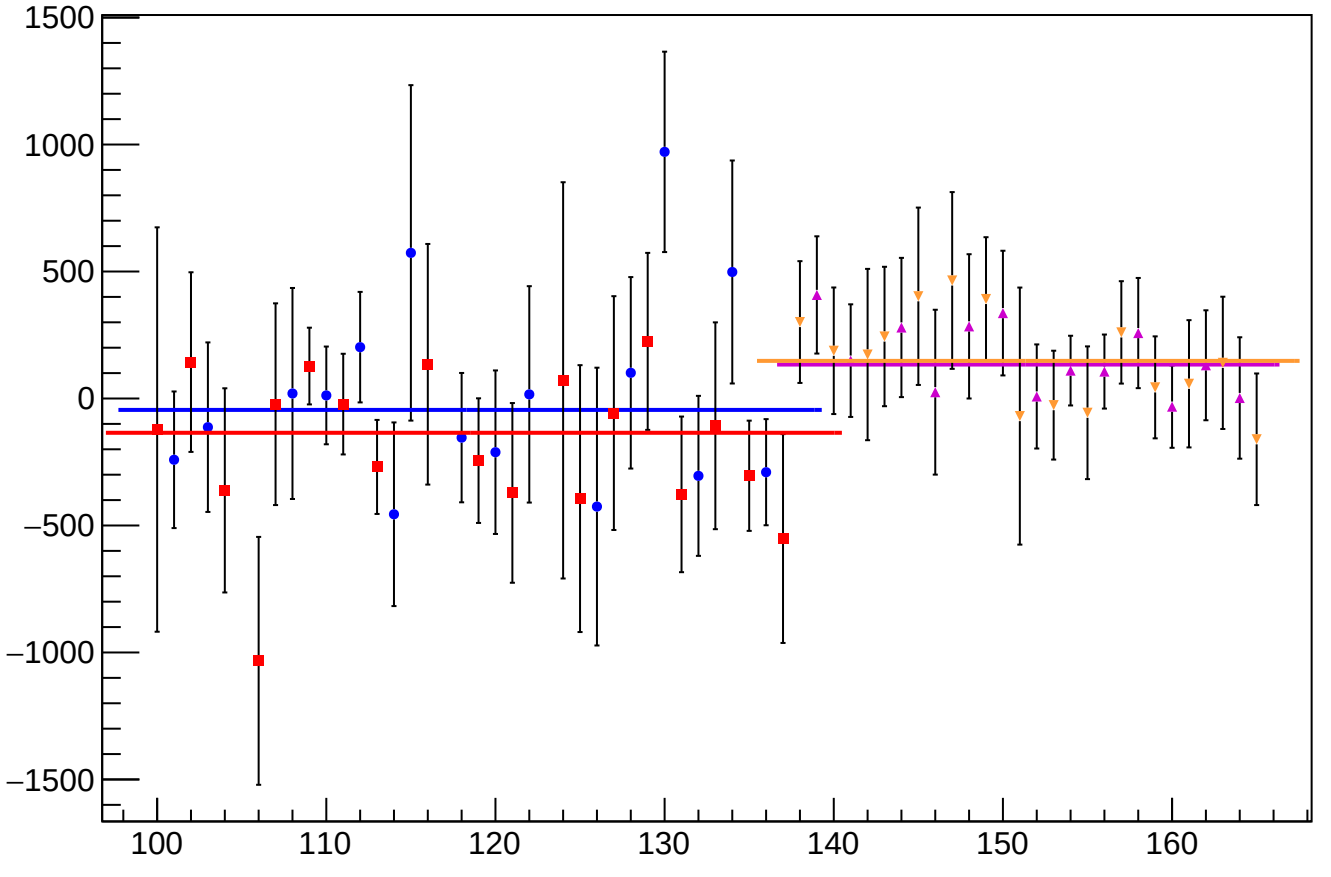
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1558476.6/28

Out: 0.000+/-0.000 χ^2/NDF:1048428.9/33

All: 0.000+/-0.000 χ^2/NDF: 2607668.4/62

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: 148.147+/-66.780 χ^2/NDF:6.5/14

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 133.698+/-56.524 χ^2/NDF:4.9/12

Left: 139.729+/-43.144 χ^2/NDF: 11.4/27

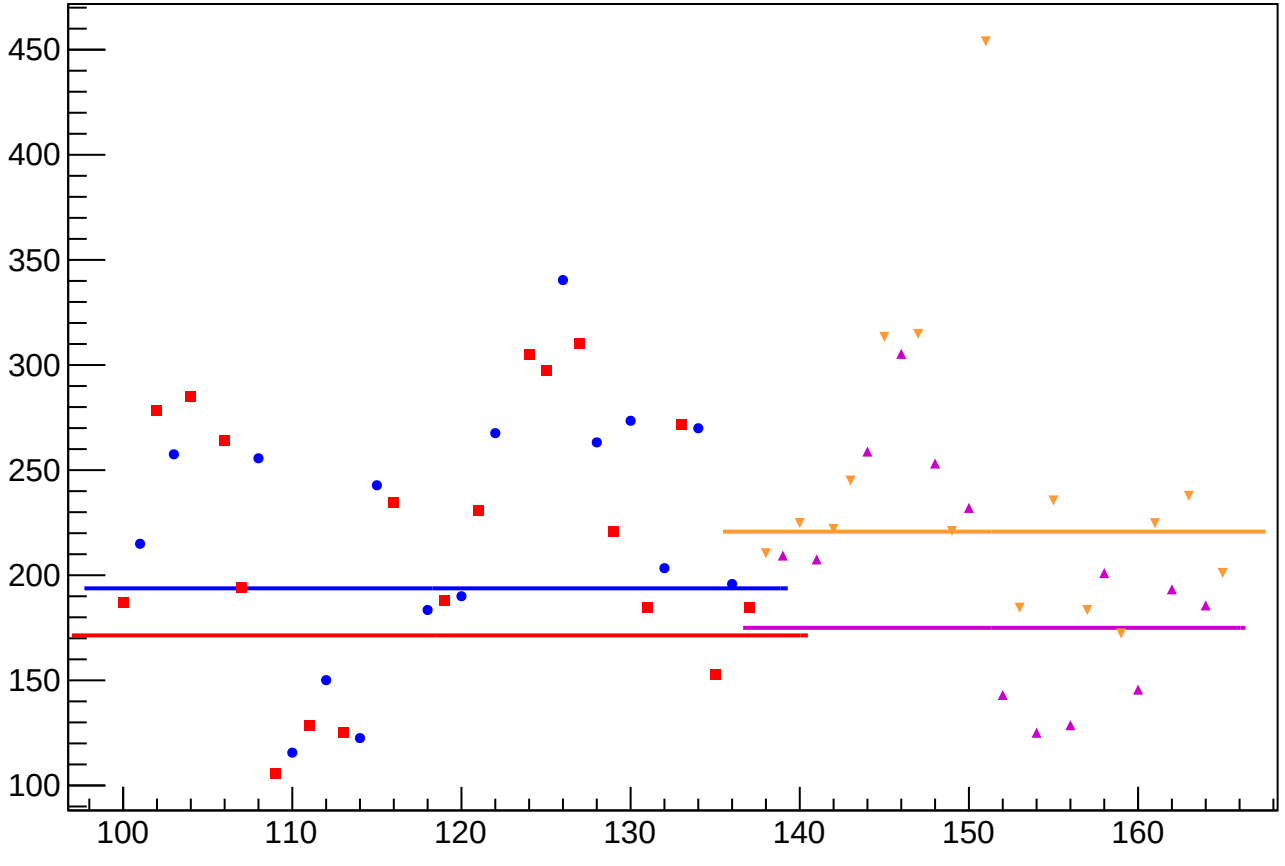
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 70.299+/-45.397 χ^2/NDF:23.9/28

Out: 9.267+/-47.667 χ^2/NDF:28.3/33

All: 41.271+/-32.874 χ^2/NDF: 53.0/62

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: 220.749+/-0.047 χ^2/NDF:1000383.6/14

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

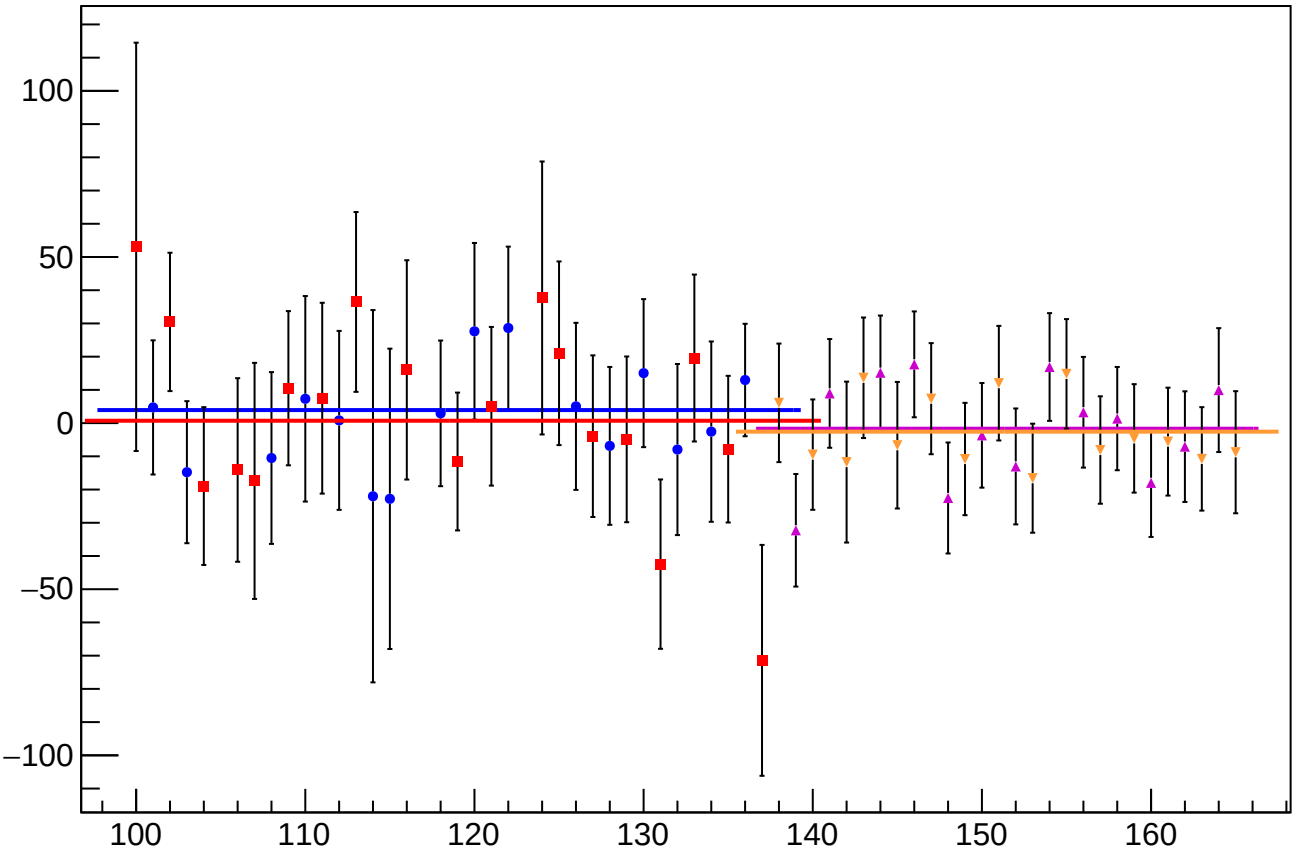
Left: 194.090+/-0.031 χ^2/NDF: 3031847.4/27

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 181.656+/-0.032 χ^2/NDF:2610829.2/28

Out: 196.535+/-0.034 χ^2/NDF:3194564.8/33

All: 188.733+/-0.023 χ^2/NDF: 5907573.0/62



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.574+/-4.448 χ^2/NDF:5.1/14

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -1.686+/-4.602 χ^2/NDF:11.0/12

Left: -2.145+/-3.198 χ^2/NDF: 16.2/27

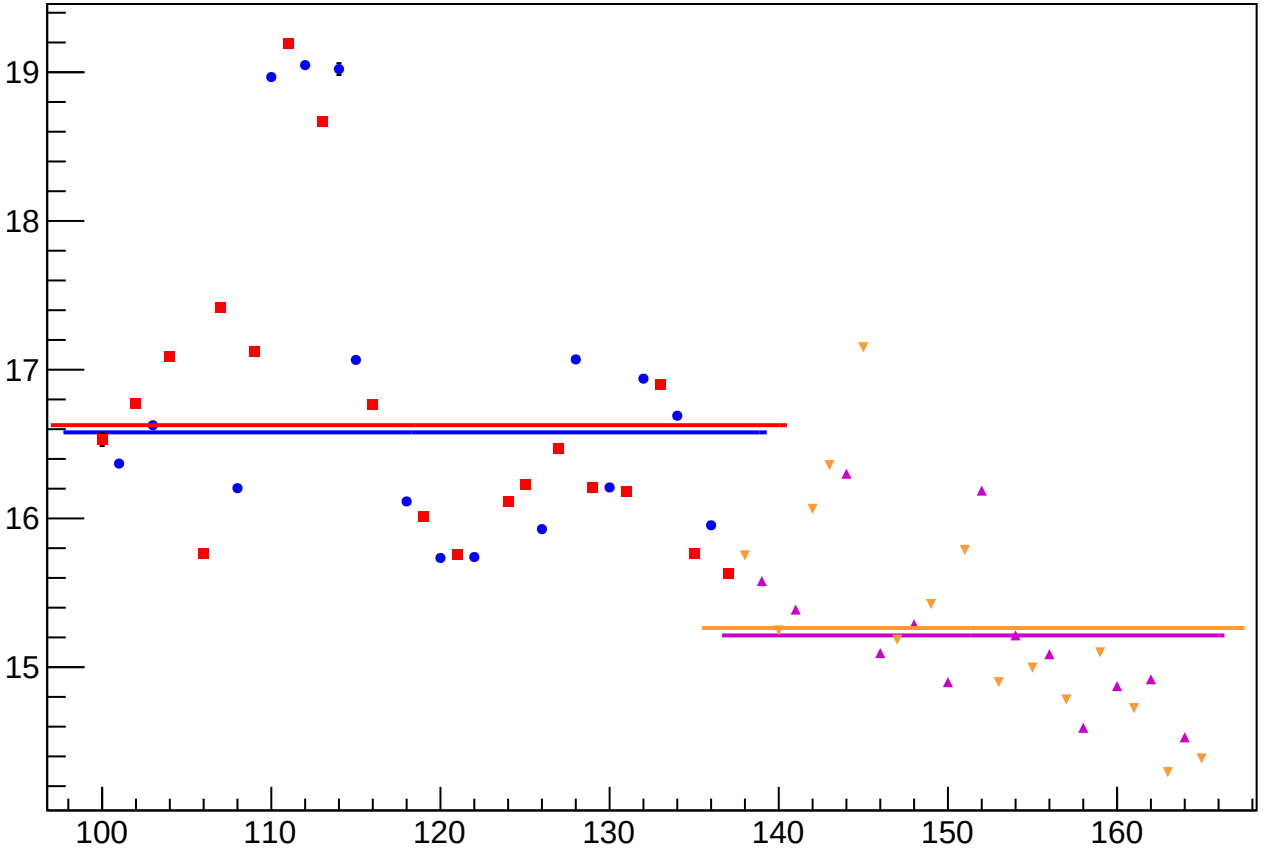
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.318+/-3.689 χ^2/NDF:16.1/28

Out: -1.427+/-3.589 χ^2/NDF:21.2/33

All: -0.579+/-2.572 χ^2/NDF: 37.4/62

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: 15.263+/-0.003 χ^2/NDF:50664.8/14

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.213+/-0.003 χ^2/NDF:23827.4/12

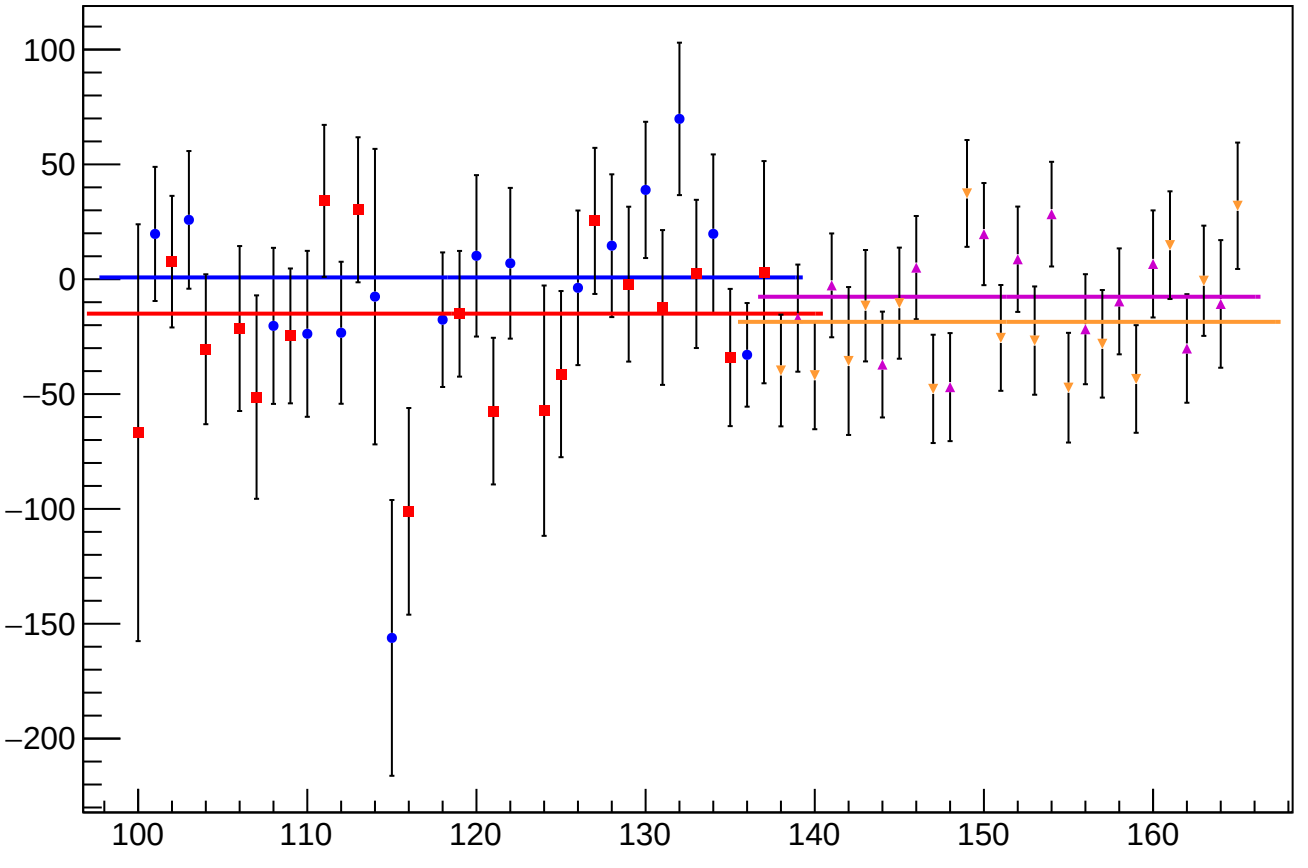
Left: 15.239+/-0.002 χ^2/NDF: 74613.6/27

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.701+/-0.003 χ^2/NDF:131311.8/28

Out: 15.739+/-0.003 χ^2/NDF:159716.1/33

All: 15.721+/-0.002 χ^2/NDF: 291135.6/62



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -18.555+/-6.265 χ^2/NDF:18.4/14

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -7.627+/-6.473 χ^2/NDF:11.1/12

Left: -13.270+/-4.502 χ^2/NDF: 31.0/27

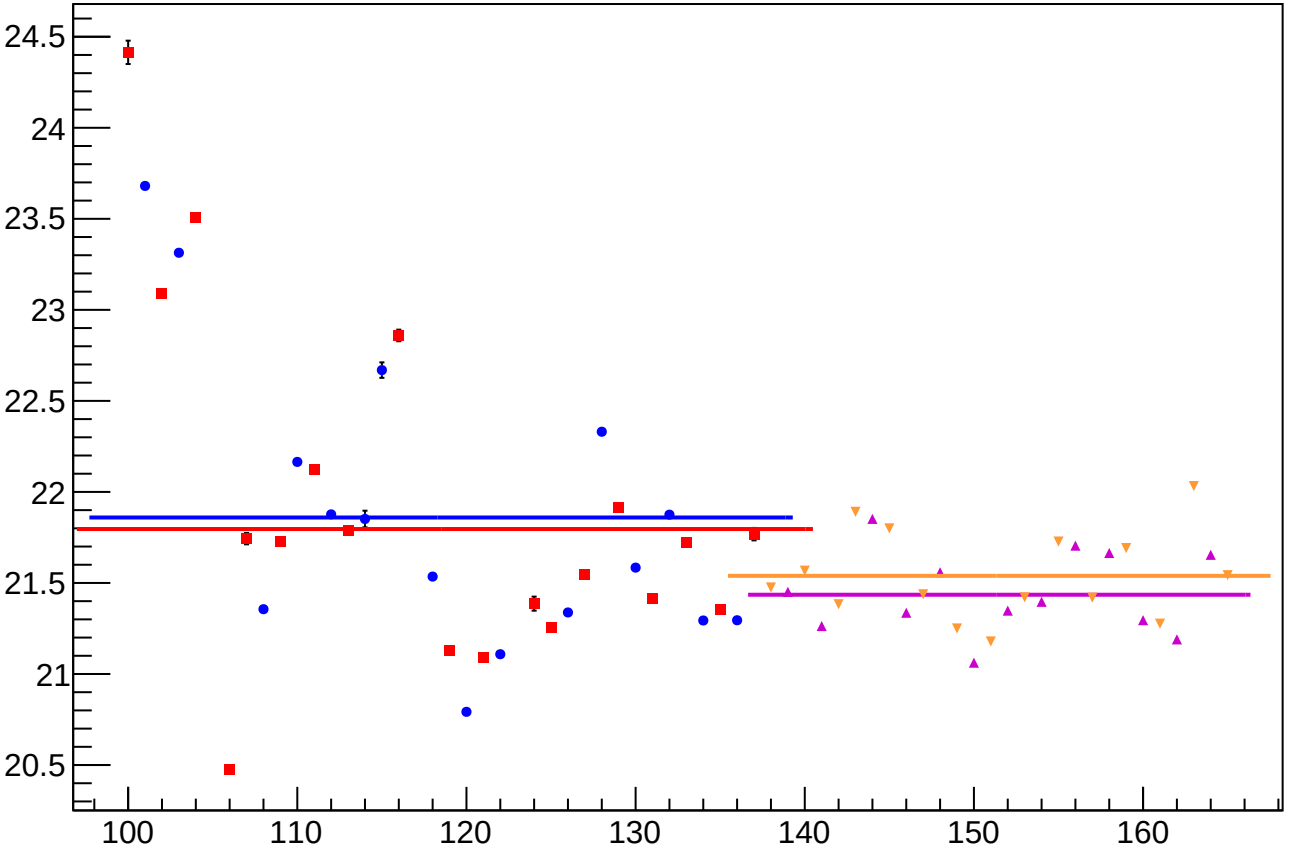
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -4.359+/-5.063 χ^2/NDF:30.4/28

Out: -17.187+/-4.921 χ^2/NDF:34.0/33

All: -10.955+/-3.529 χ^2/NDF: 67.7/62

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: 21.539+/-0.004 χ^2/NDF:2957.9/14

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.435+/-0.005 χ^2/NDF:2325.4/12

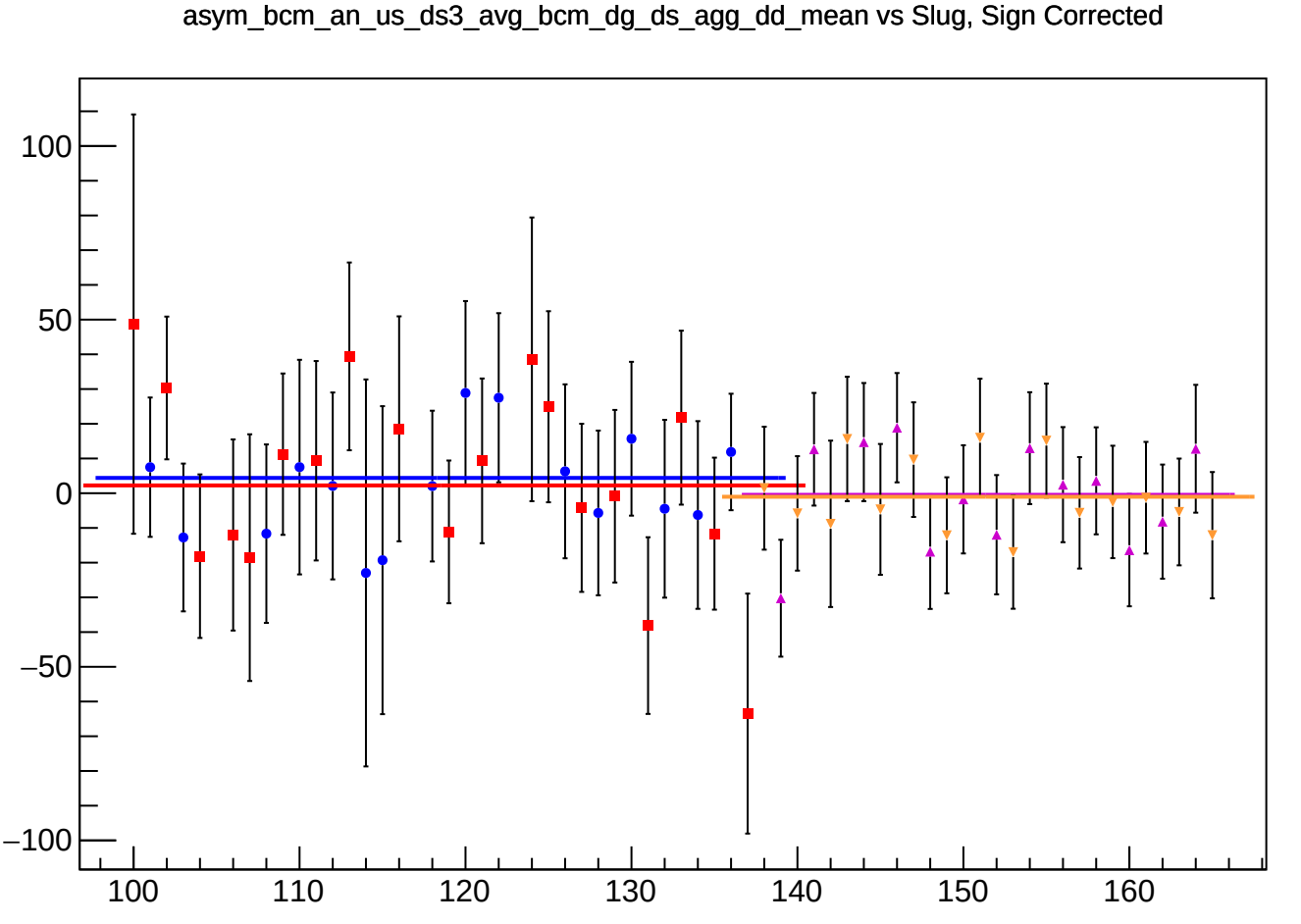
Left: 21.489+/-0.003 χ^2/NDF: 5548.9/27

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.600+/-0.004 χ^2/NDF:25129.5/28

Out: 21.638+/-0.003 χ^2/NDF:23109.2/33

All: 21.619+/-0.002 χ^2/NDF: 48295.1/62



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.025+/-4.404 χ^2/NDF:5.4/14

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.469+/-4.557 χ^2/NDF:10.0/12

Left: -0.756+/-3.167 χ^2/NDF: 15.5/27

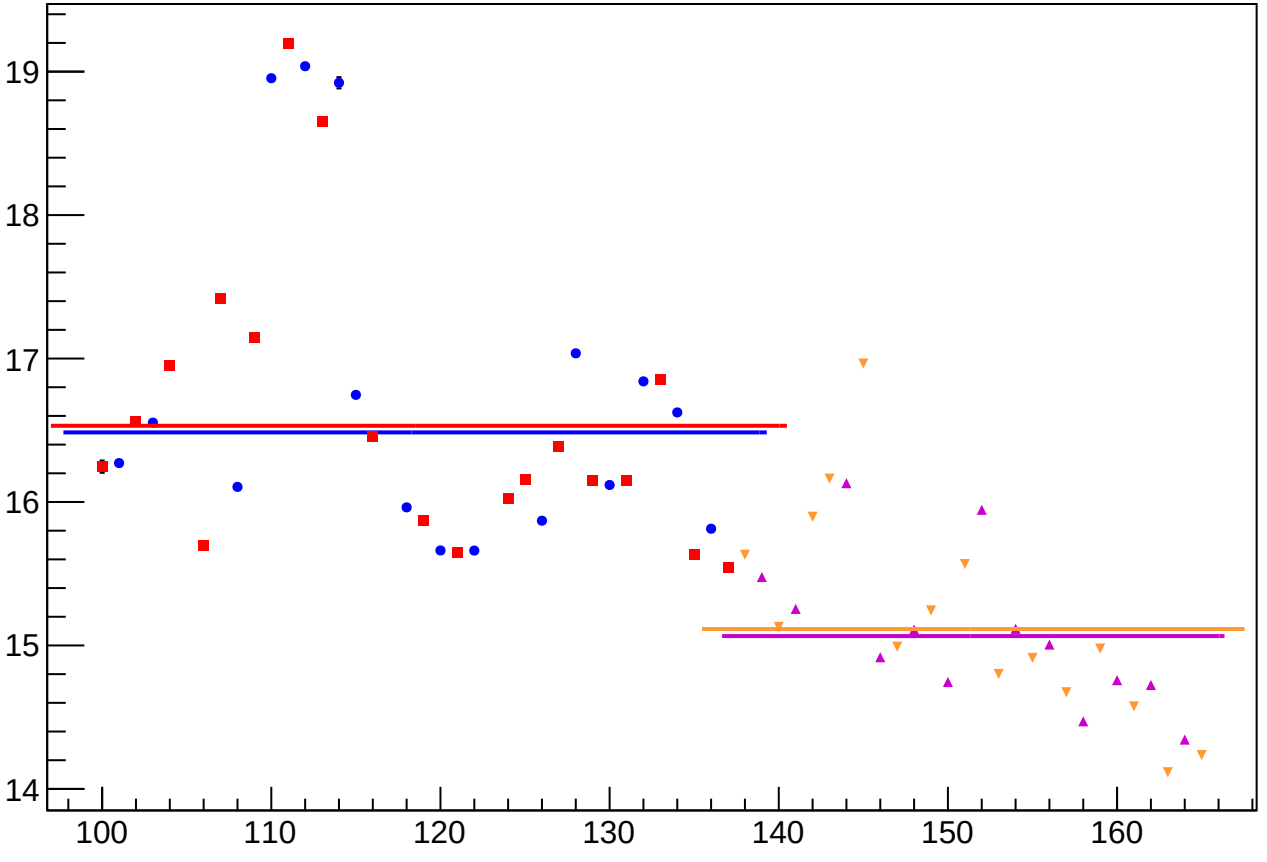
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.263+/-3.658 χ^2/NDF:14.7/28

Out: 0.109+/-3.559 χ^2/NDF:21.0/33

All: 0.670+/-2.551 χ^2/NDF: 35.8/62

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: 15.115+/-0.003 χ^2/NDF:49666.8/14

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.065+/-0.003 χ^2/NDF:23262.2/12

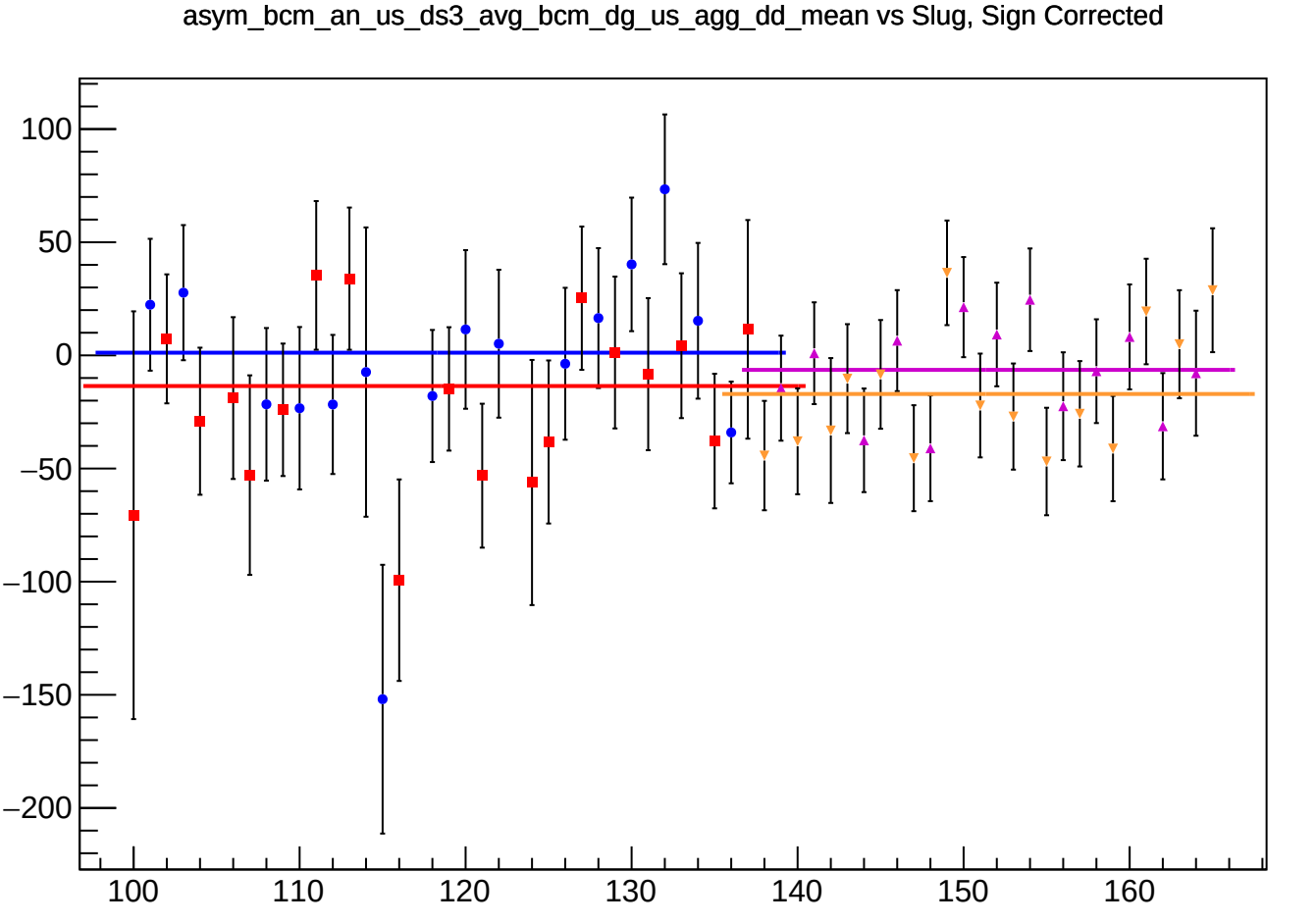
Left: 15.091+/-0.002 χ^2/NDF: 73049.6/27

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

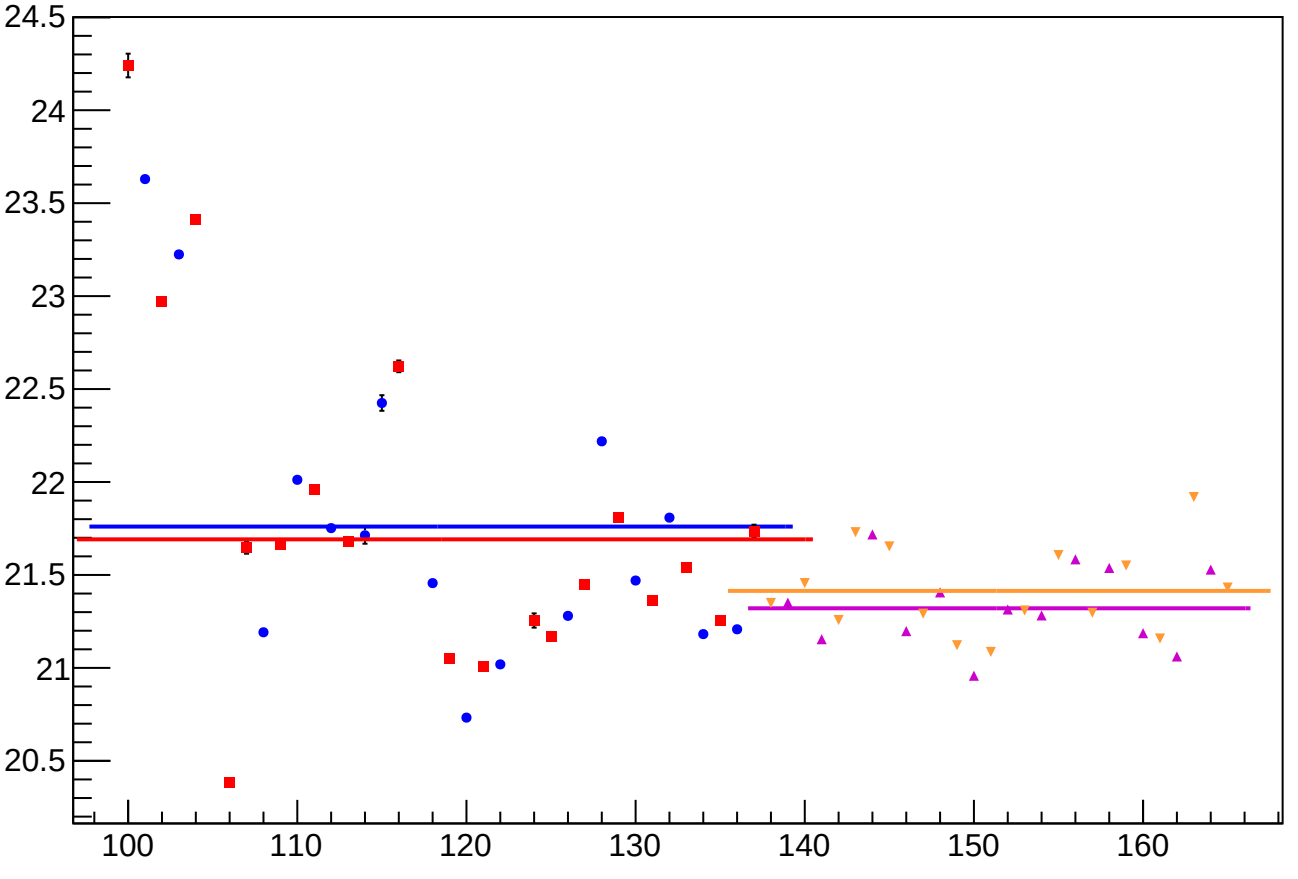
In: 15.570+/-0.003 χ^2/NDF:139449.5/28

Out: 15.606+/-0.003 χ^2/NDF:167945.0/33

All: 15.588+/-0.002 χ^2/NDF: 307495.2/62


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
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -17.064+/-6.228 χ²/NDF:18.5/14
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -6.410+/-6.438 χ²/NDF:10.5/12
Left: -11.914+/-4.476 χ²/NDF: 30.4/27
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -3.464+/-5.037 χ²/NDF:30.4/28
Out: -15.720+/-4.895 χ²/NDF:34.5/33
All: -9.768+/-3.510 χ²/NDF: 68.0/62

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: 21.414+/-0.004 χ^2/NDF:2823.5/14

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.321+/-0.005 χ^2/NDF:2193.6/12

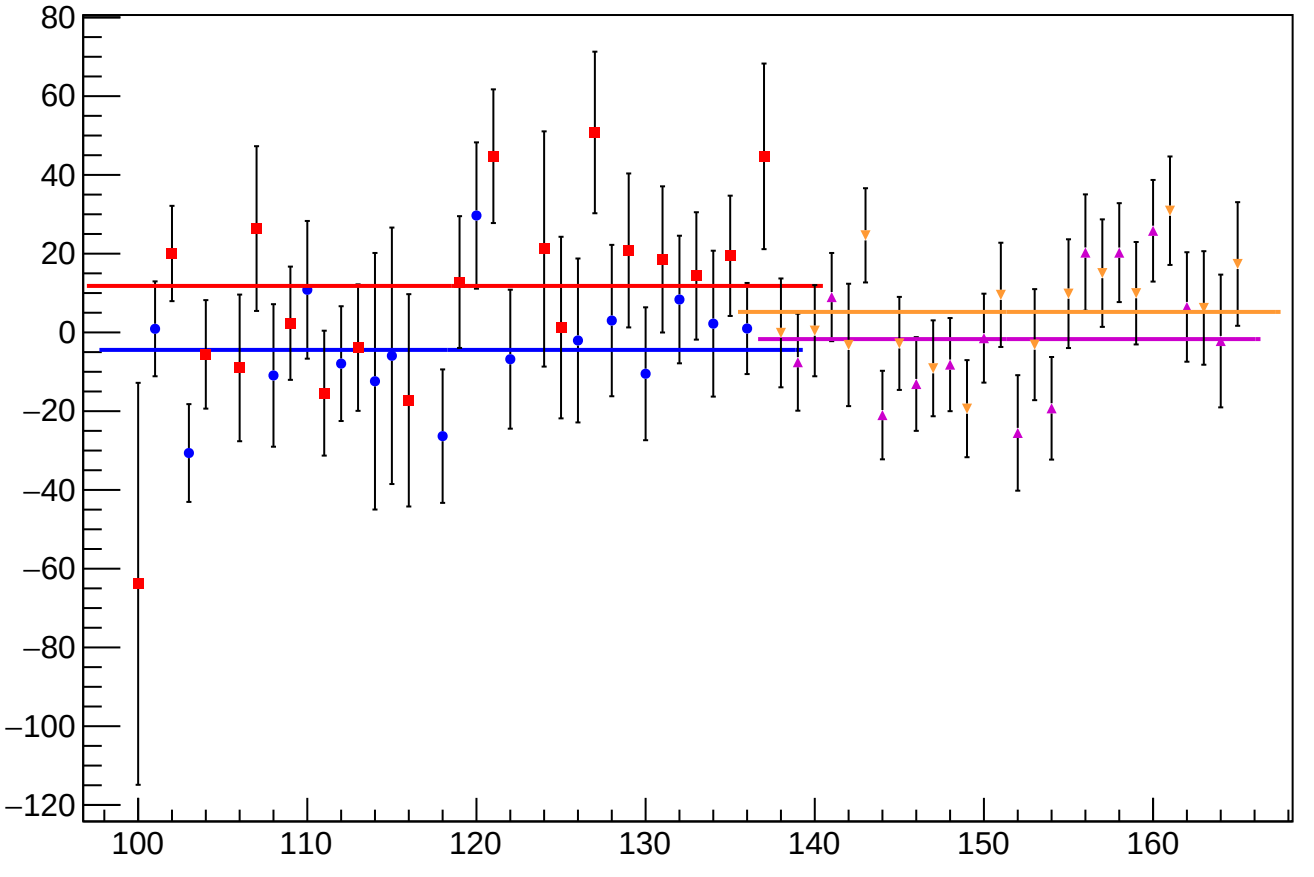
Left: 21.369+/-0.003 χ^2/NDF: 5236.0/27

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.491+/-0.004 χ^2/NDF:25556.8/28

Out: 21.520+/-0.003 χ^2/NDF:22669.7/33

All: 21.506+/-0.002 χ^2/NDF: 48261.0/62



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 5.208+/-3.416 χ^2/NDF:14.4/14

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.694+/-3.521 χ^2/NDF:19.9/12

Left: 1.861+/-2.452 χ^2/NDF: 36.3/27

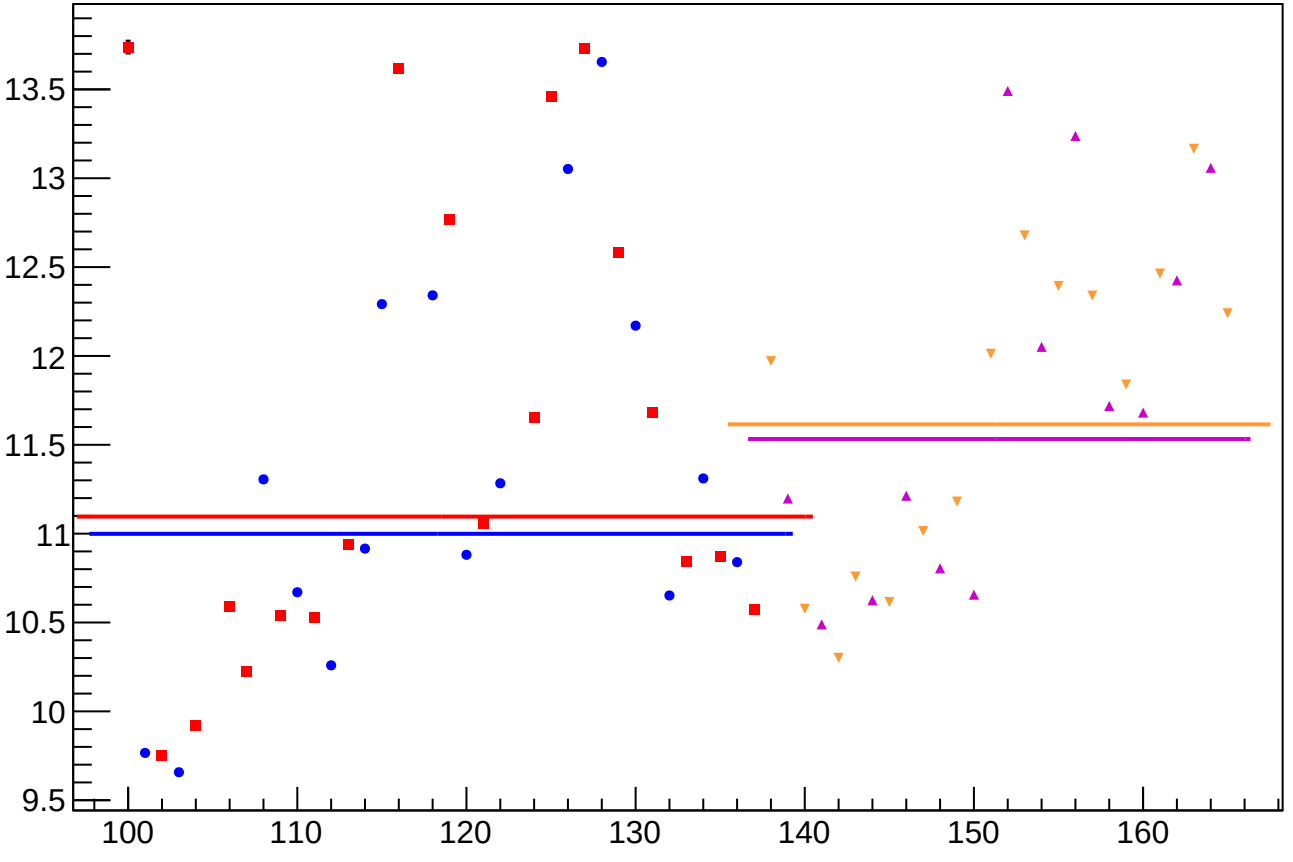
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.849+/-2.679 χ^2/NDF:32.2/28

Out: 7.914+/-2.624 χ^2/NDF:37.6/33

All: 2.645+/-1.875 χ^2/NDF: 78.0/62

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: 11.615+/-0.002 χ^2/NDF:123274.0/14

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

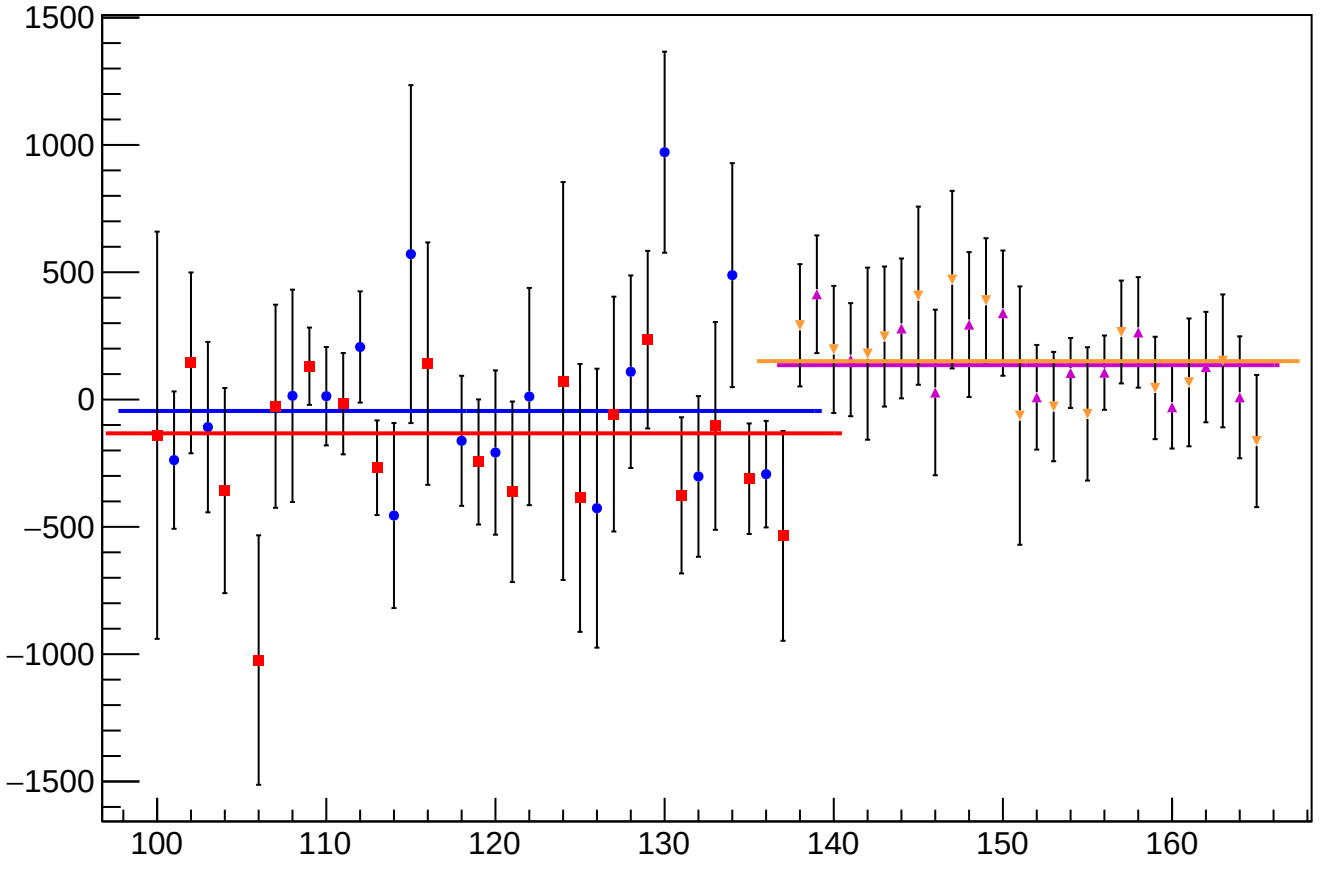
Left: 11.575+/-0.002 χ^2/NDF: 267557.4/27

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.308+/-0.002 χ^2/NDF:299217.9/28

Out: 11.402+/-0.002 χ^2/NDF:305123.4/33

All: 11.356+/-0.001 χ^2/NDF: 605599.1/62



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 150.815+/-66.900 χ^2/NDF:6.5/14

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 135.082+/-56.613 χ^2/NDF:5.0/12

Left: 141.647+/-43.216 χ^2/NDF: 11.5/27

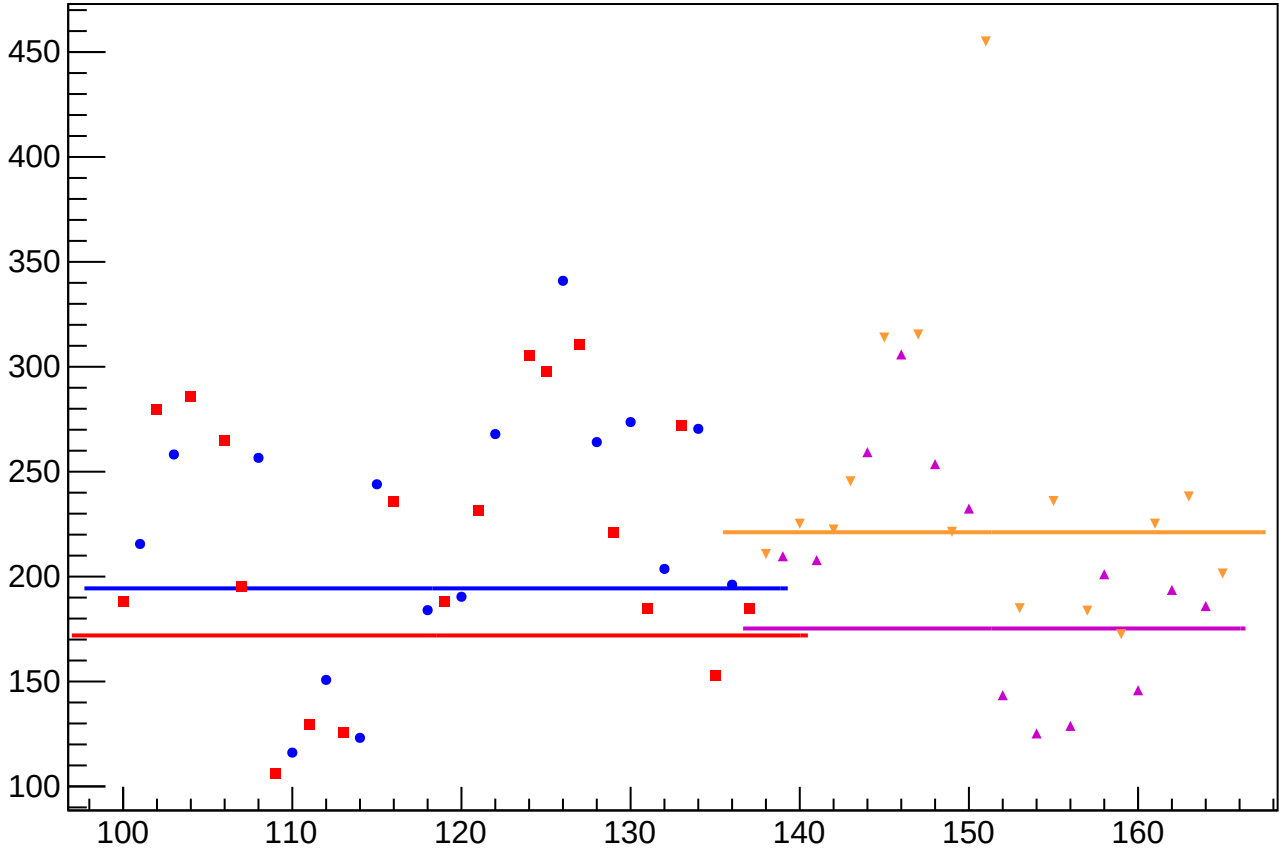
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.346+/-45.491 χ^2/NDF:24.0/28

Out: 11.914+/-47.782 χ^2/NDF:28.2/33

All: 43.089+/-32.947 χ^2/NDF: 53.0/62

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: 221.143+/-0.047 χ^2/NDF:1001102.8/14

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

Left: 194.411+/-0.031 χ^2/NDF: 3033600.7/27

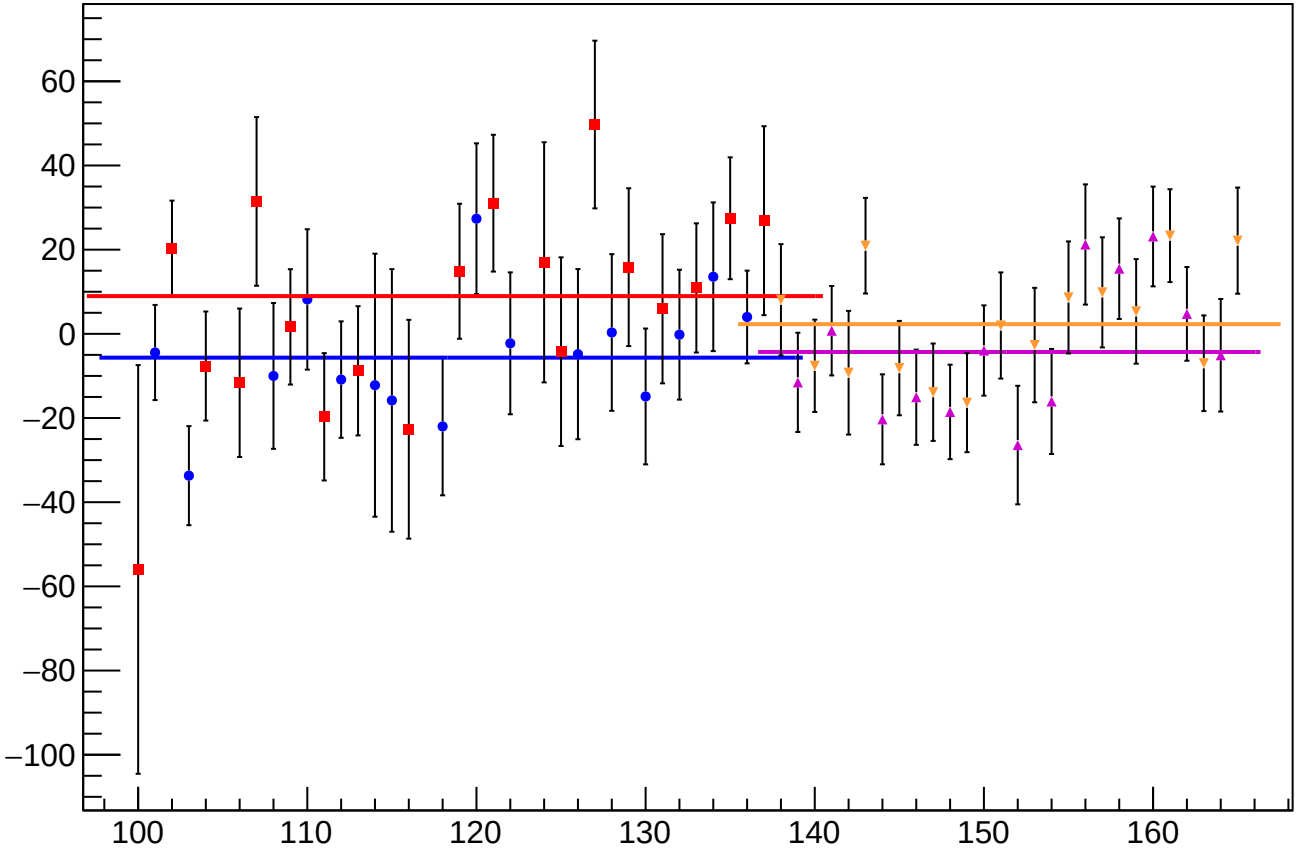
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.041+/-0.032 χ^2/NDF:2607330.6/28

Out: 197.044+/-0.034 χ^2/NDF:3182198.8/33

All: 189.174+/-0.023 χ^2/NDF: 5892953.0/62

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.295+/-3.147 χ^2/NDF:17.2/14

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.312+/-3.272 χ^2/NDF:20.7/12

Left: -0.879+/-2.268 χ^2/NDF: 40.0/27

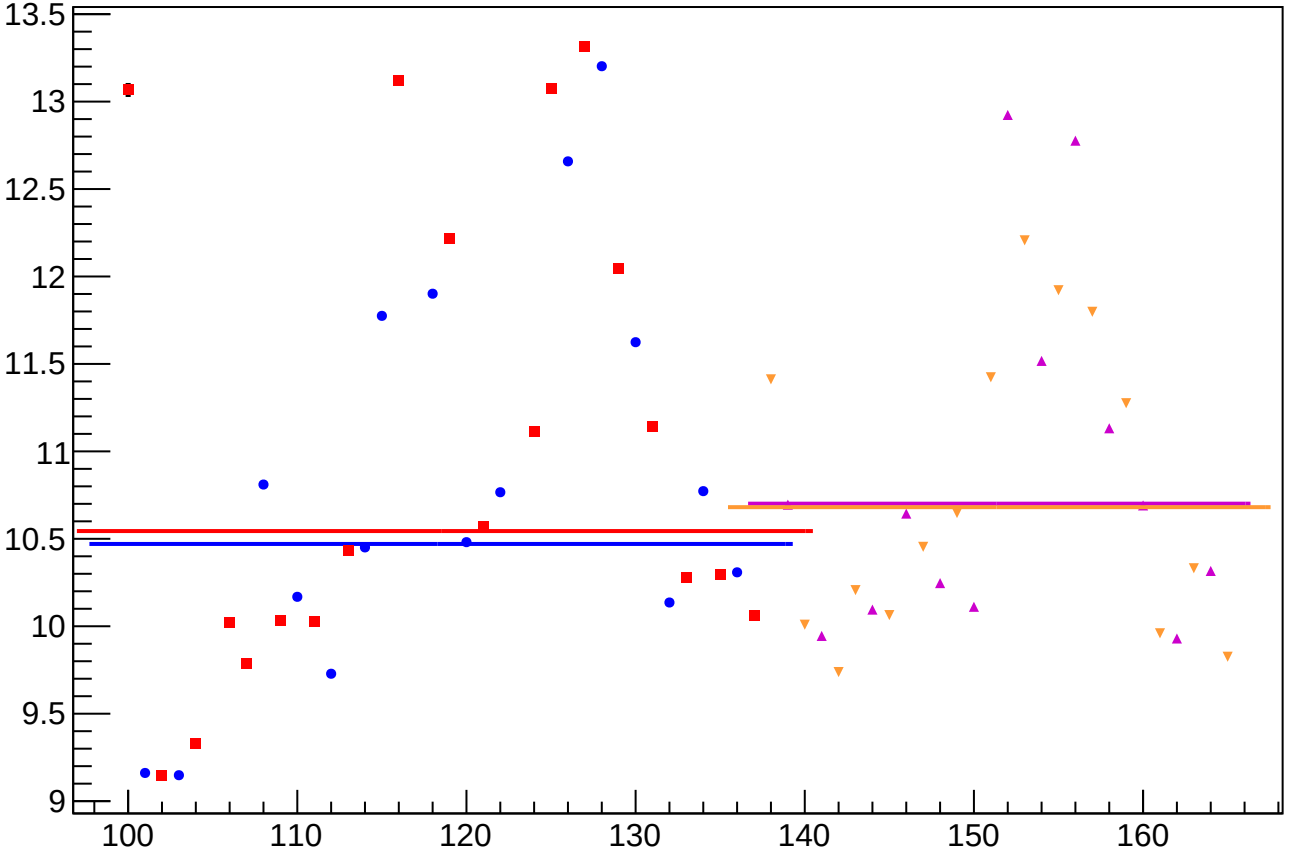
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.861+/-2.517 χ^2/NDF:34.4/28

Out: 4.922+/-2.449 χ^2/NDF:41.7/33

All: 0.164+/-1.755 χ^2/NDF: 83.9/62

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: 10.681+/-0.002 χ^2/NDF:120492.5/14

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

Left: 10.691+/-0.002 χ^2/NDF: 260944.8/27

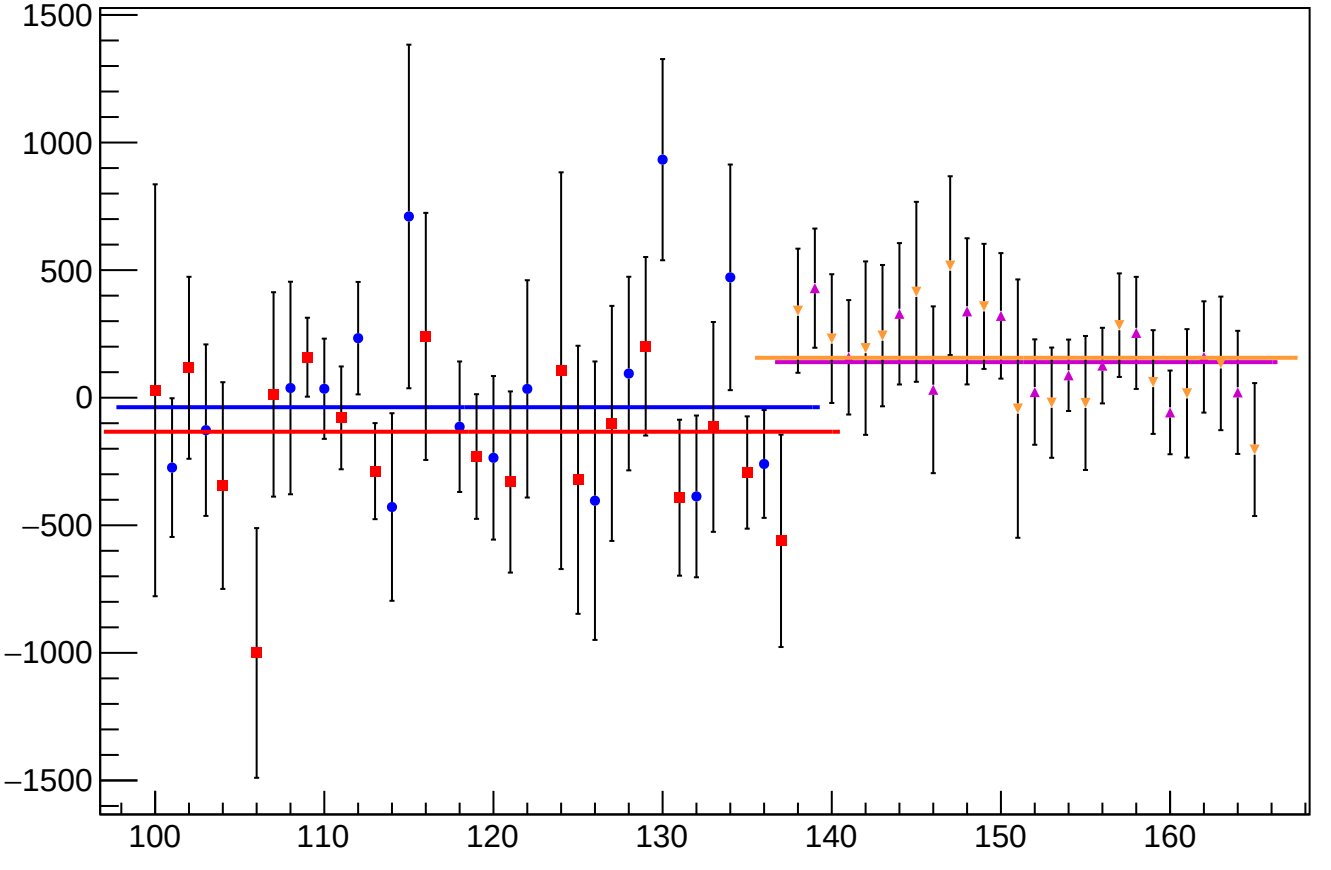
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.607+/-0.002 χ^2/NDF:301826.1/28

Out: 10.627+/-0.002 χ^2/NDF:308758.6/33

All: 10.617+/-0.001 χ^2/NDF: 610651.0/62

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: 156.463+/-67.332 χ^2/NDF:7.2/14

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 139.435+/-57.212 χ^2/NDF:5.6/12

Left: 146.575+/-43.599 χ^2/NDF: 12.8/27

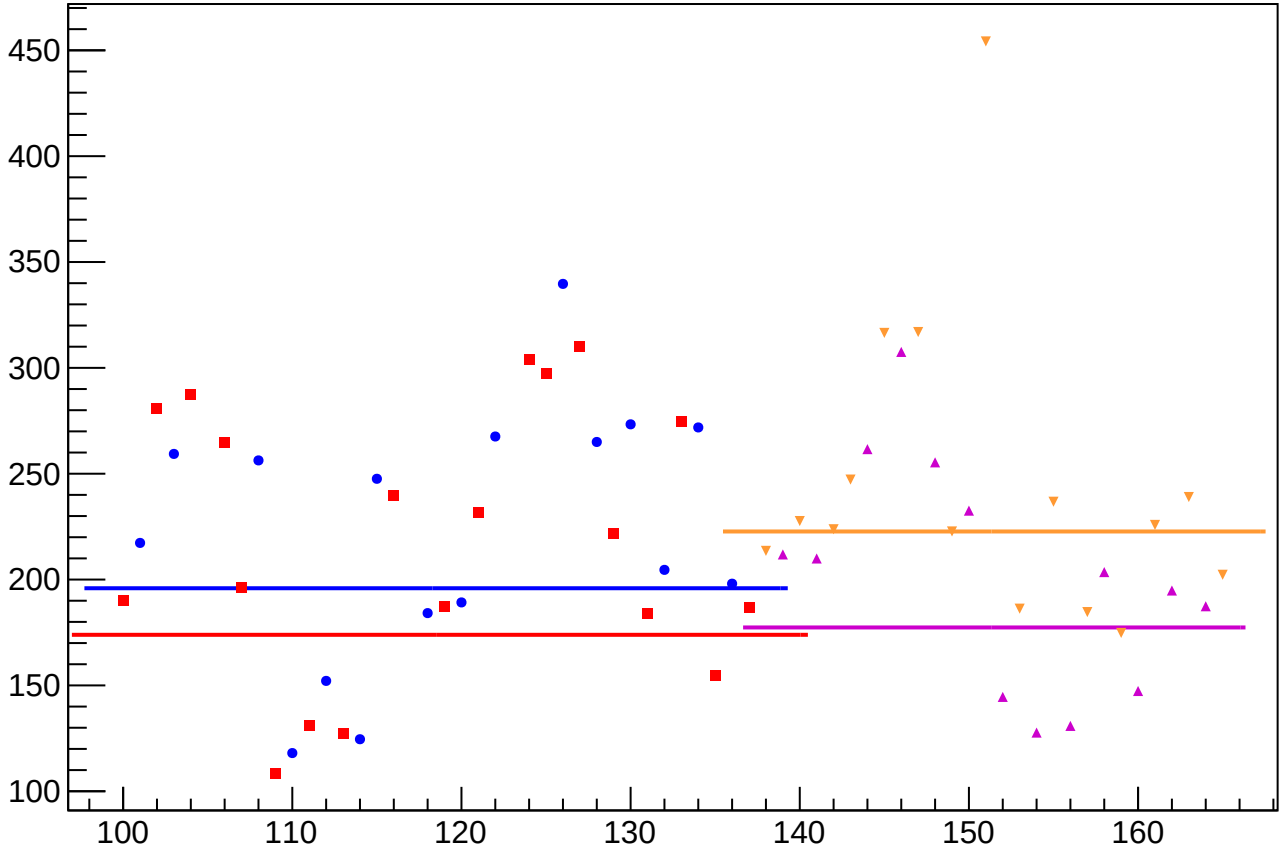
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 76.502+/-45.905 χ^2/NDF:24.6/28

Out: 14.843+/-48.151 χ^2/NDF:29.1/33

All: 47.144+/-33.225 χ^2/NDF: 54.6/62

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: 222.713+/-0.048 χ^2/NDF:988245.3/14

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

Left: 196.384+/-0.031 χ^2/NDF: 2962747.0/27

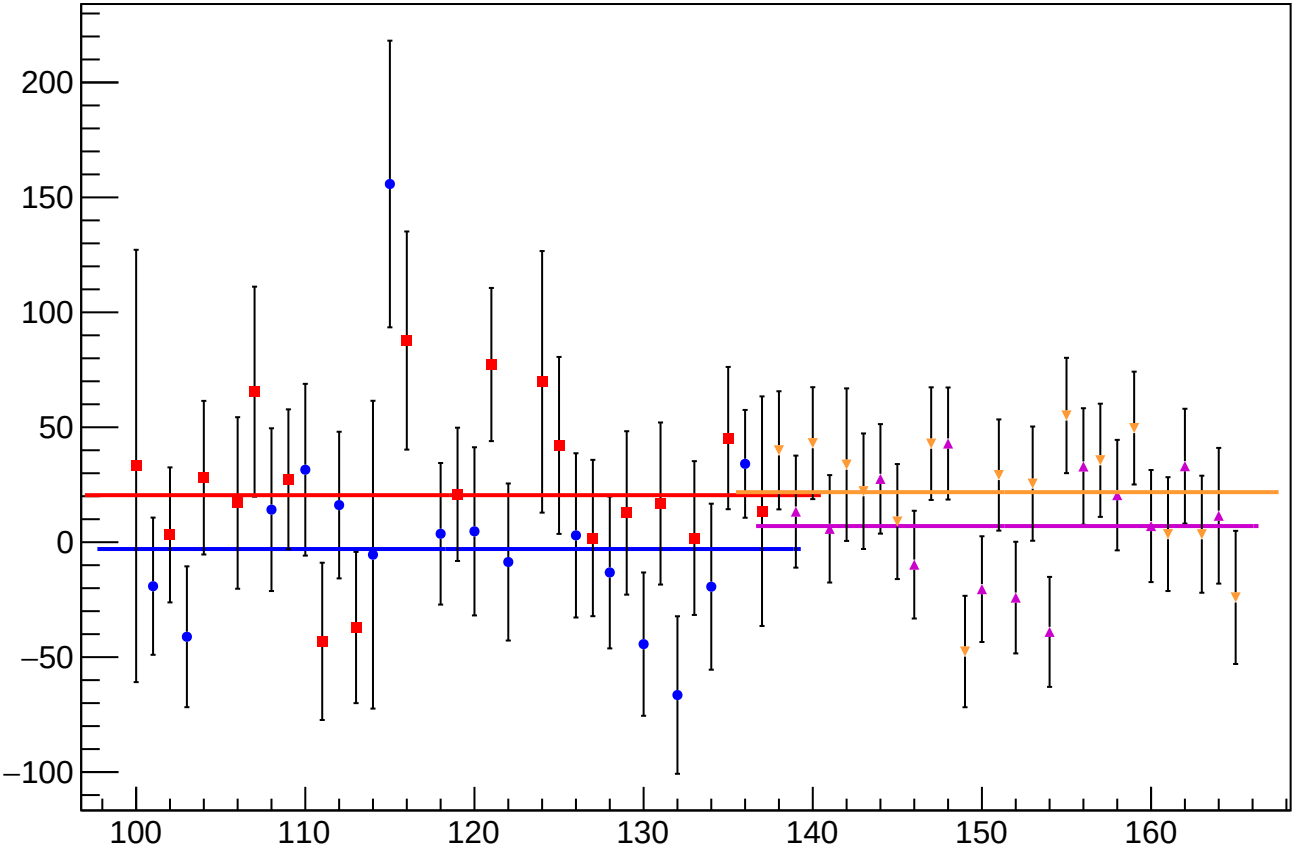
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 183.974+/-0.032 χ^2/NDF:2533621.2/28

Out: 198.863+/-0.034 χ^2/NDF:3101392.0/33

All: 191.063+/-0.023 χ^2/NDF: 5735199.9/62

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: 21.773+/-6.558 χ^2/NDF:17.6/14

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 7.022+/-6.767 χ^2/NDF:12.7/12

Left: 14.629+/-4.709 χ^2/NDF: 32.8/27

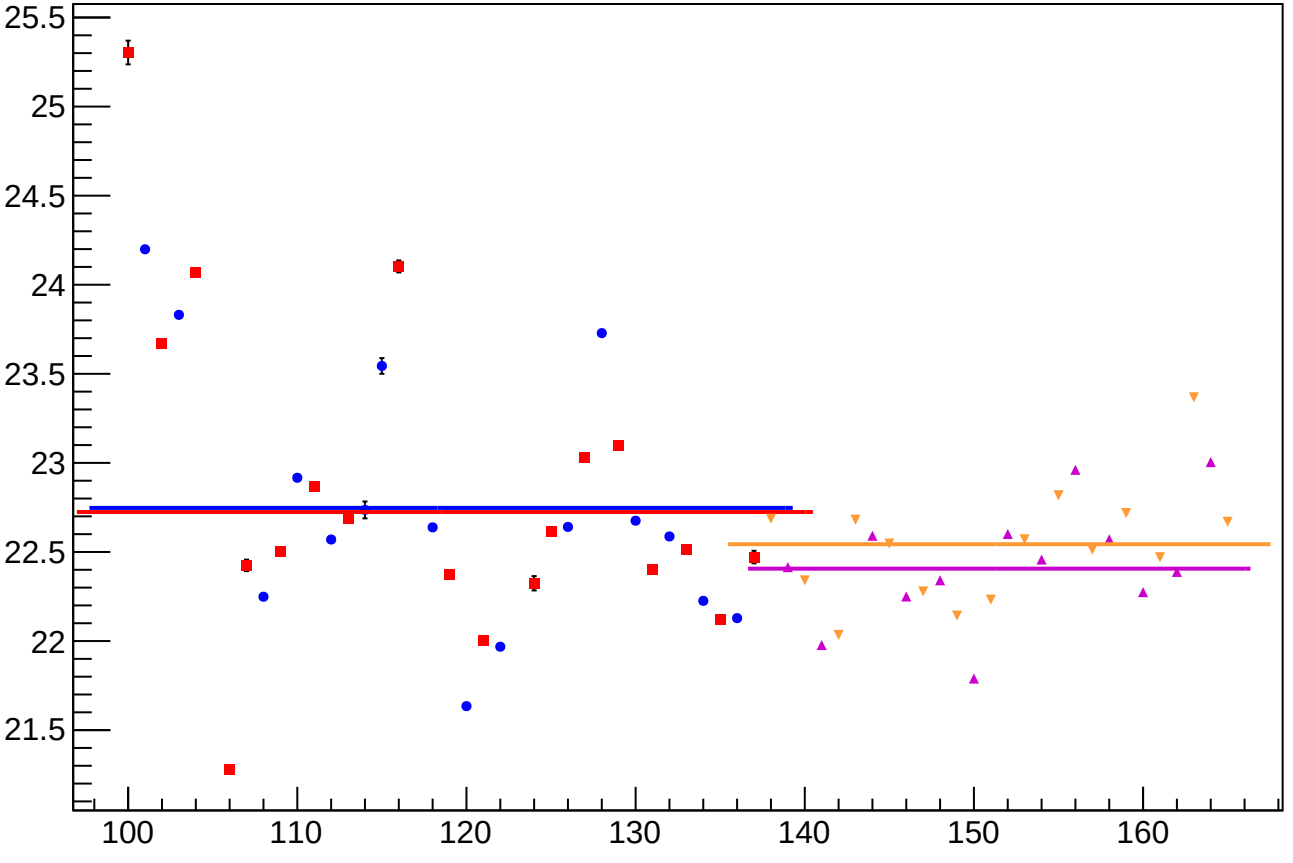
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 3.121+/-5.283 χ^2/NDF:31.5/28

Out: 21.266+/-5.144 χ^2/NDF:32.9/33

All: 12.436+/-3.685 χ^2/NDF: 70.5/62

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: 22.544+/-0.005 χ^2/NDF:4342.5/14

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

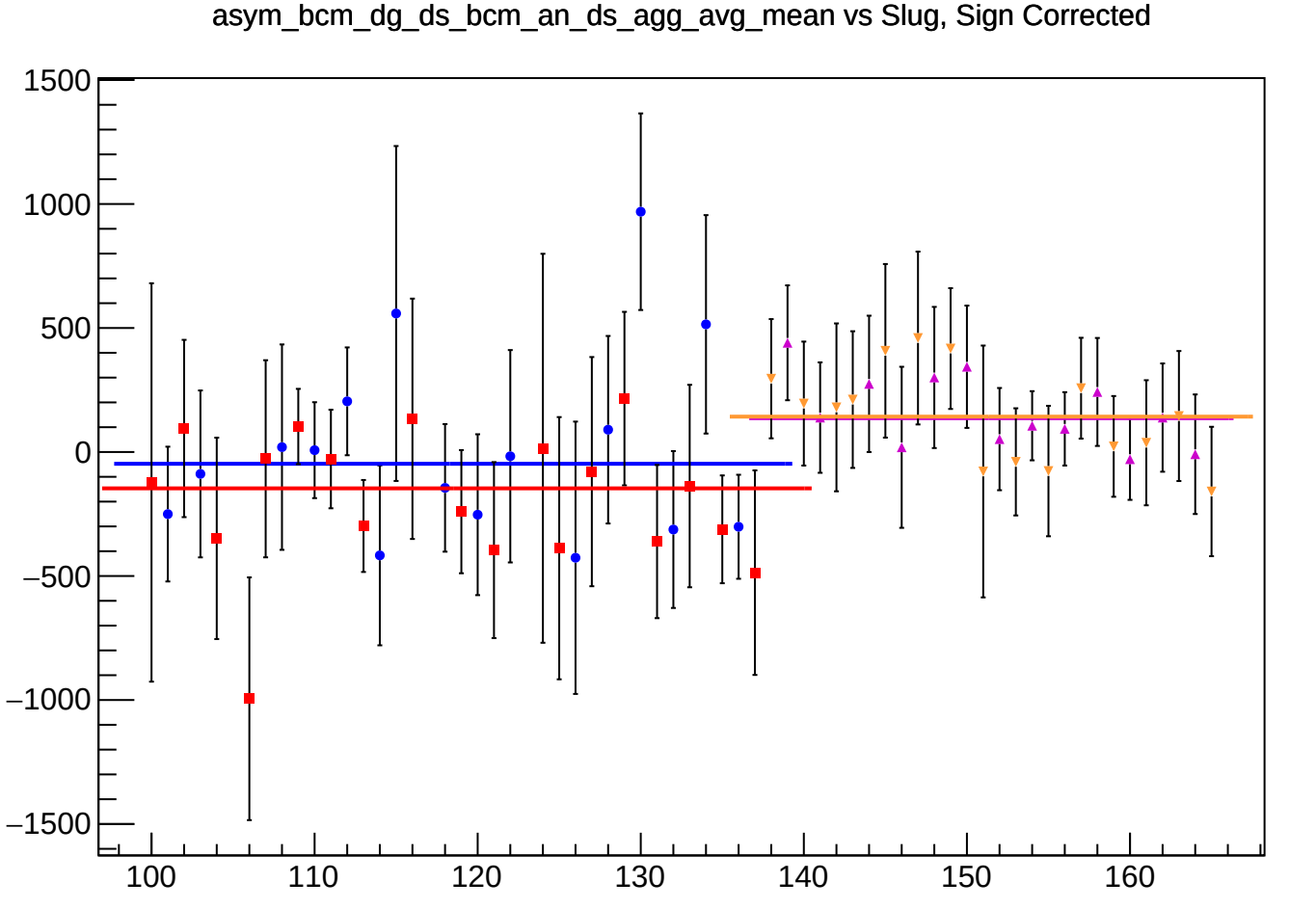
Left: 22.477+/-0.003 χ^2/NDF: 9173.0/27

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

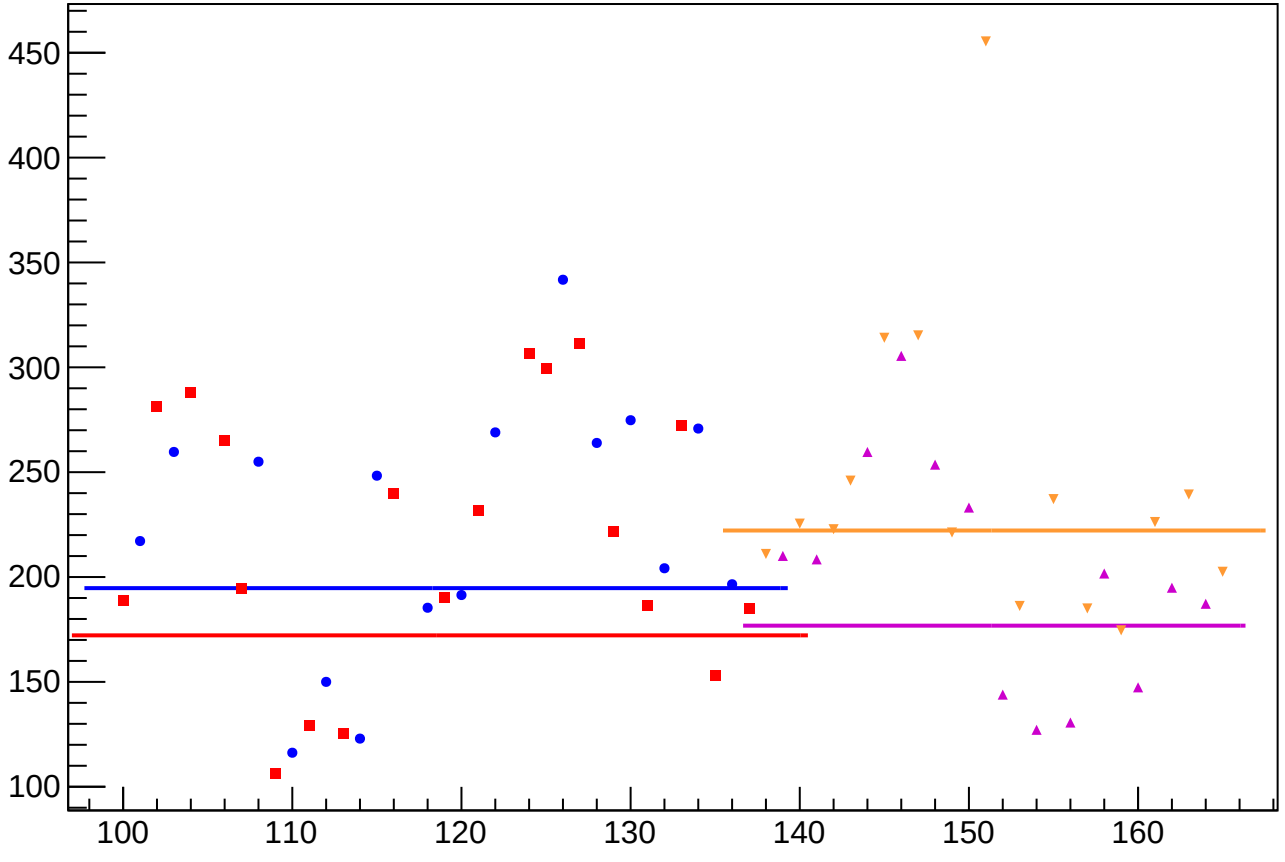
In: 22.540+/-0.004 χ^2/NDF:21014.0/28

Out: 22.613+/-0.004 χ^2/NDF:19417.6/33

All: 22.577+/-0.003 χ^2/NDF: 40630.3/62


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 142.596+/-67.171 χ²/NDF:7.0/14
Right Out: -146.573+/-68.398 χ²/NDF: 11.6/18
Left In: 136.323+/-57.027 χ²/NDF:5.1/12
Left: 138.951+/-43.473 χ²/NDF: 12.0/27
Right: -102.614+/-51.010 χ²/NDF: 27.9/34
In: 70.731+/-45.737 χ²/NDF:24.2/28
Out: 0.629+/-47.925 χ²/NDF:27.6/33
All: 37.317+/-33.087 χ²/NDF: 52.9/62

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: 222.186+/-0.047 χ^2/NDF:981179.0/14

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

Left: 195.818+/-0.031 χ^2/NDF: 2946106.0/27

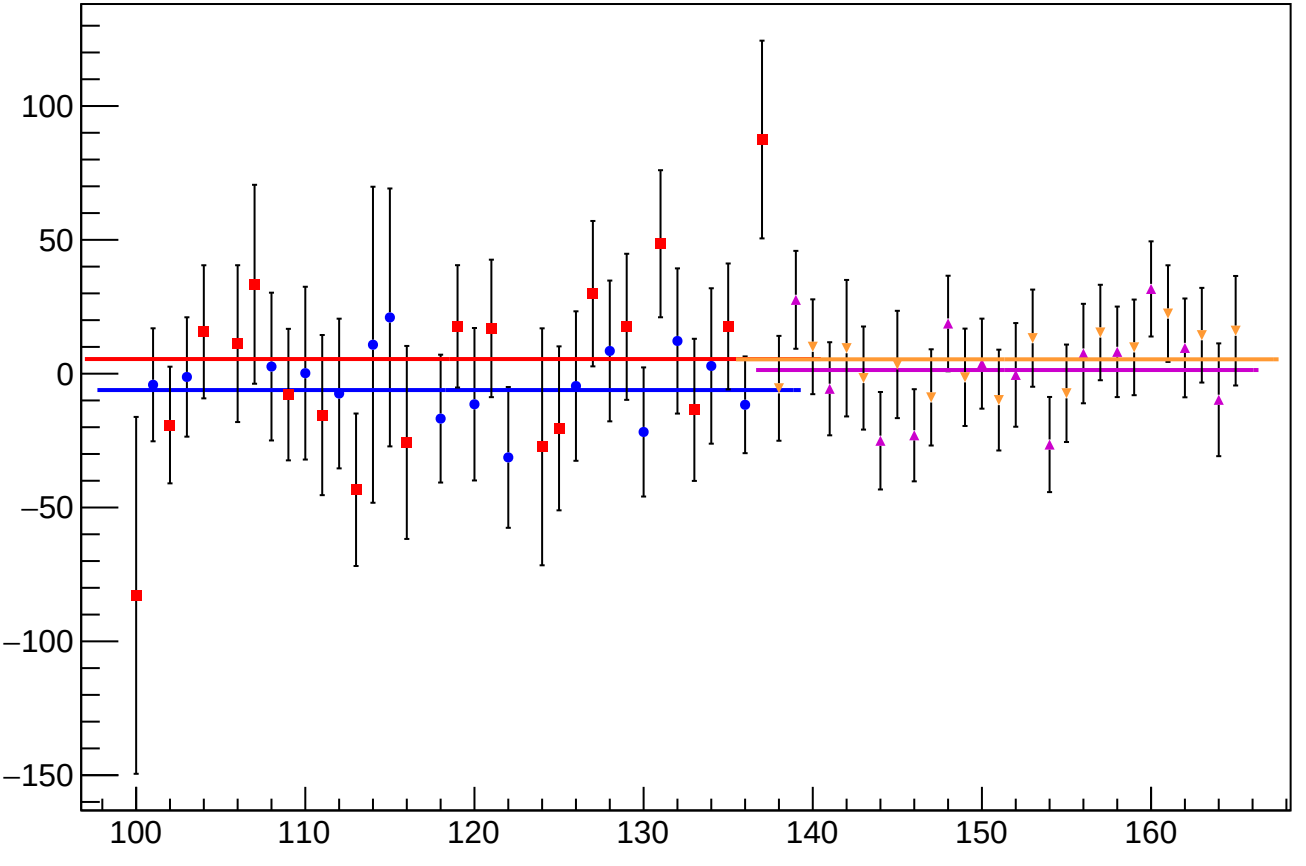
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.197+/-0.032 χ^2/NDF:2557139.8/28

Out: 197.639+/-0.034 χ^2/NDF:3196303.9/33

All: 190.080+/-0.023 χ^2/NDF: 5848492.5/62

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.368+/-4.854 χ^2/NDF:4.4/14

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.366+/-5.004 χ^2/NDF:13.4/12

Left: 3.428+/-3.484 χ^2/NDF: 18.2/27

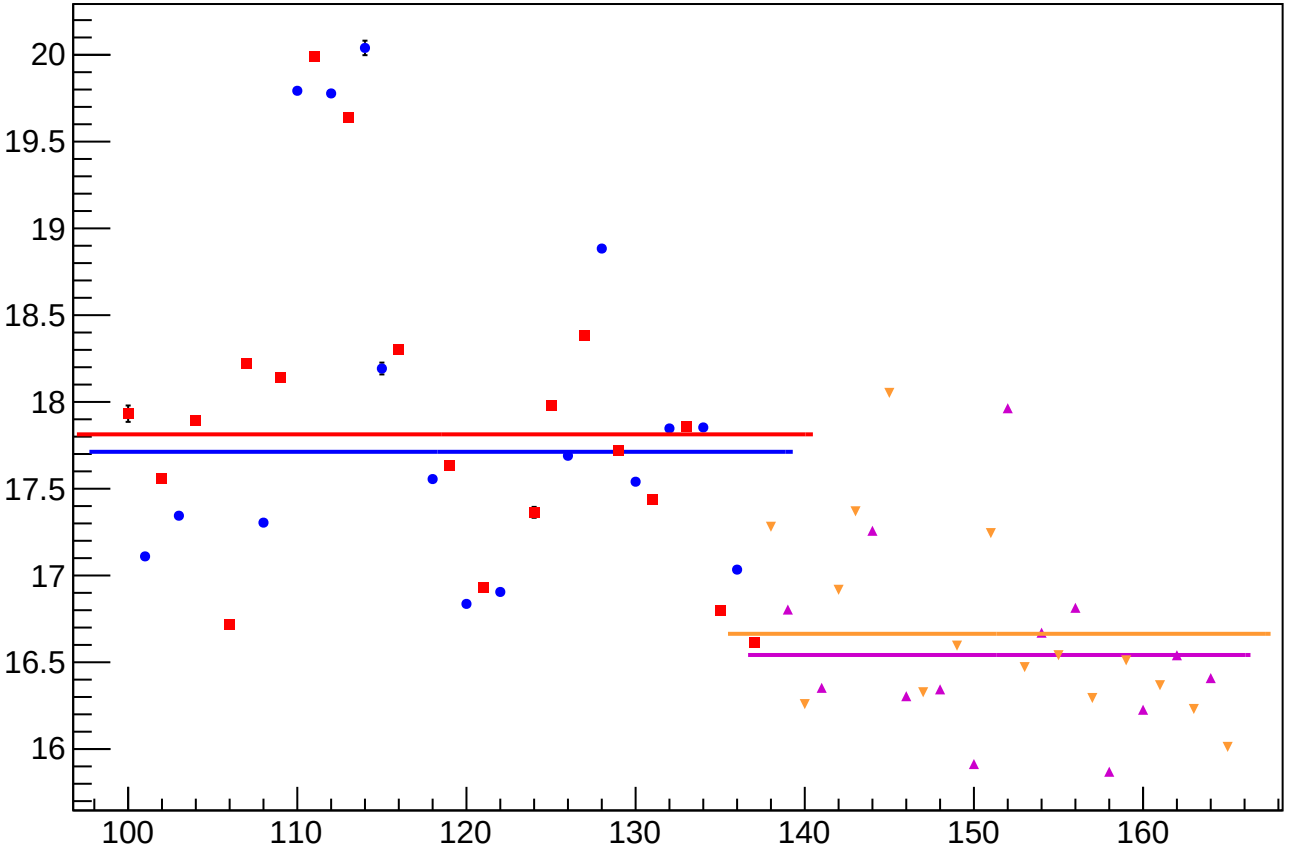
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -1.370+/-3.986 χ^2/NDF:17.4/28

Out: 5.405+/-3.891 χ^2/NDF:23.6/33

All: 2.098+/-2.784 χ^2/NDF: 42.5/62

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: 16.664+/-0.003 χ^2/NDF:23218.0/14

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

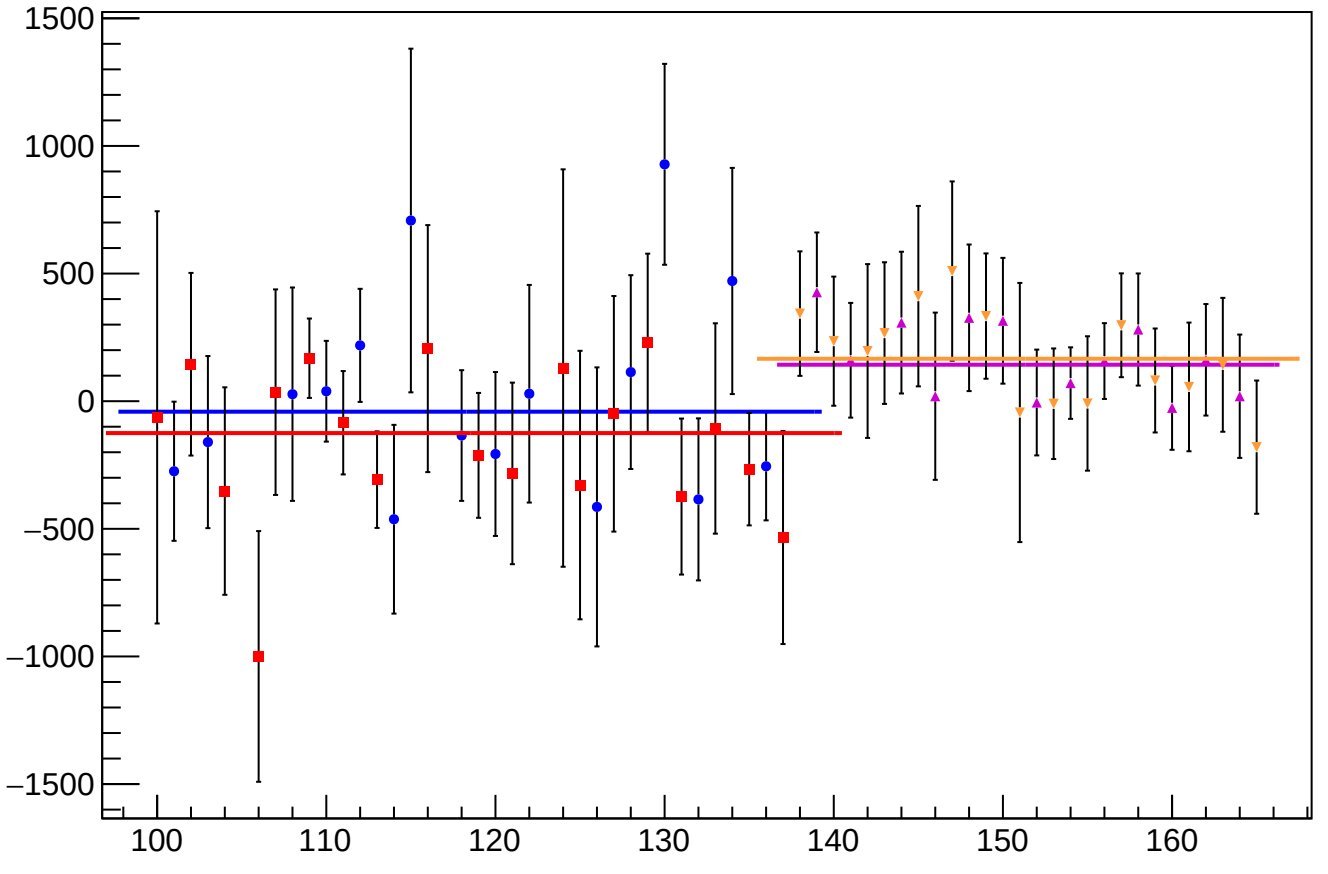
Left: 16.605+/-0.002 χ^2/NDF: 46170.5/27

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.970+/-0.003 χ^2/NDF:98335.1/28

Out: 17.075+/-0.003 χ^2/NDF:95997.8/33

All: 17.024+/-0.002 χ^2/NDF: 195041.1/62



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 166.229+/-67.480 χ^2/NDF:6.5/14

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 142.956+/-57.322 χ^2/NDF:5.4/12

Left: 152.711+/-43.687 χ^2/NDF: 11.9/27

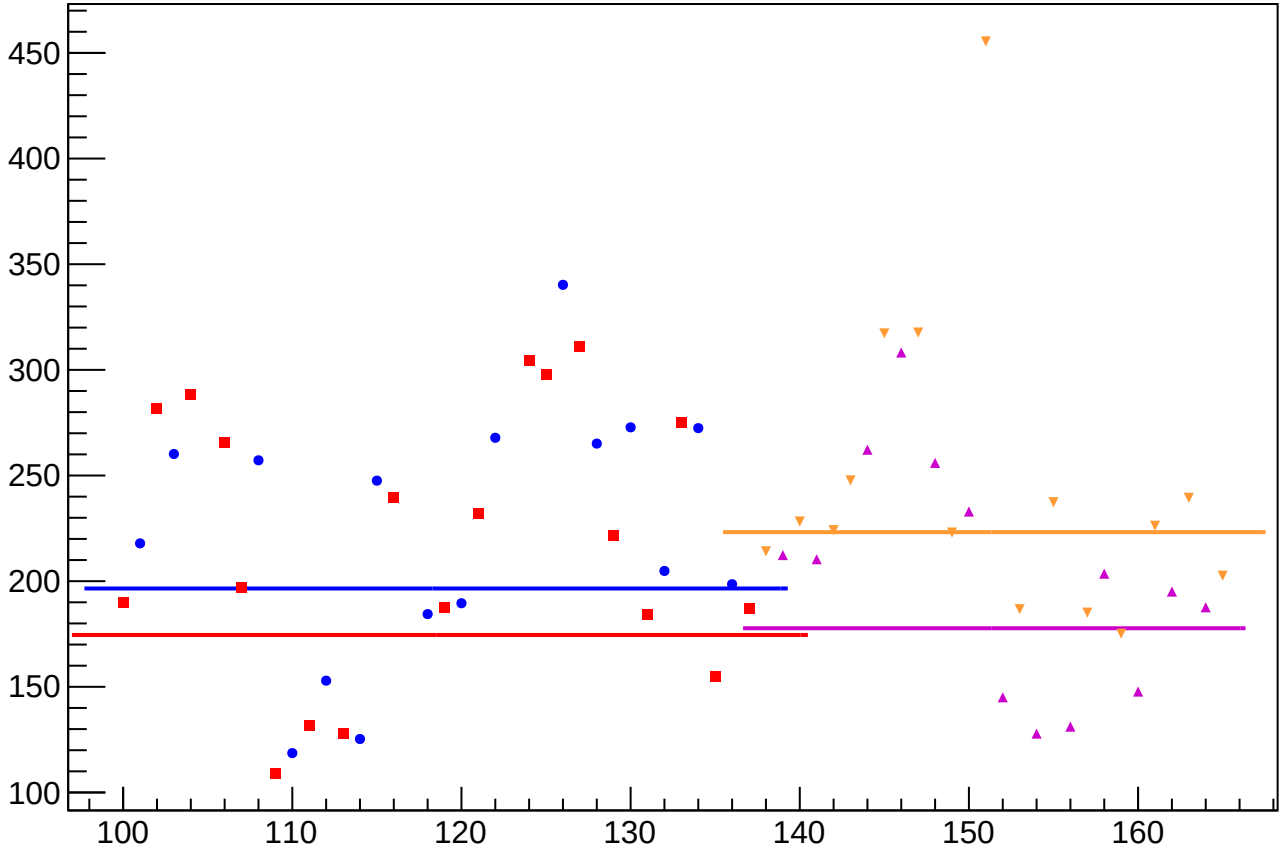
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 77.472+/-46.010 χ^2/NDF:24.7/28

Out: 24.150+/-48.281 χ^2/NDF:28.4/33

All: 52.094+/-33.308 χ^2/NDF: 53.7/62

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: 223.197+/-0.048 χ^2/NDF:988439.9/14

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

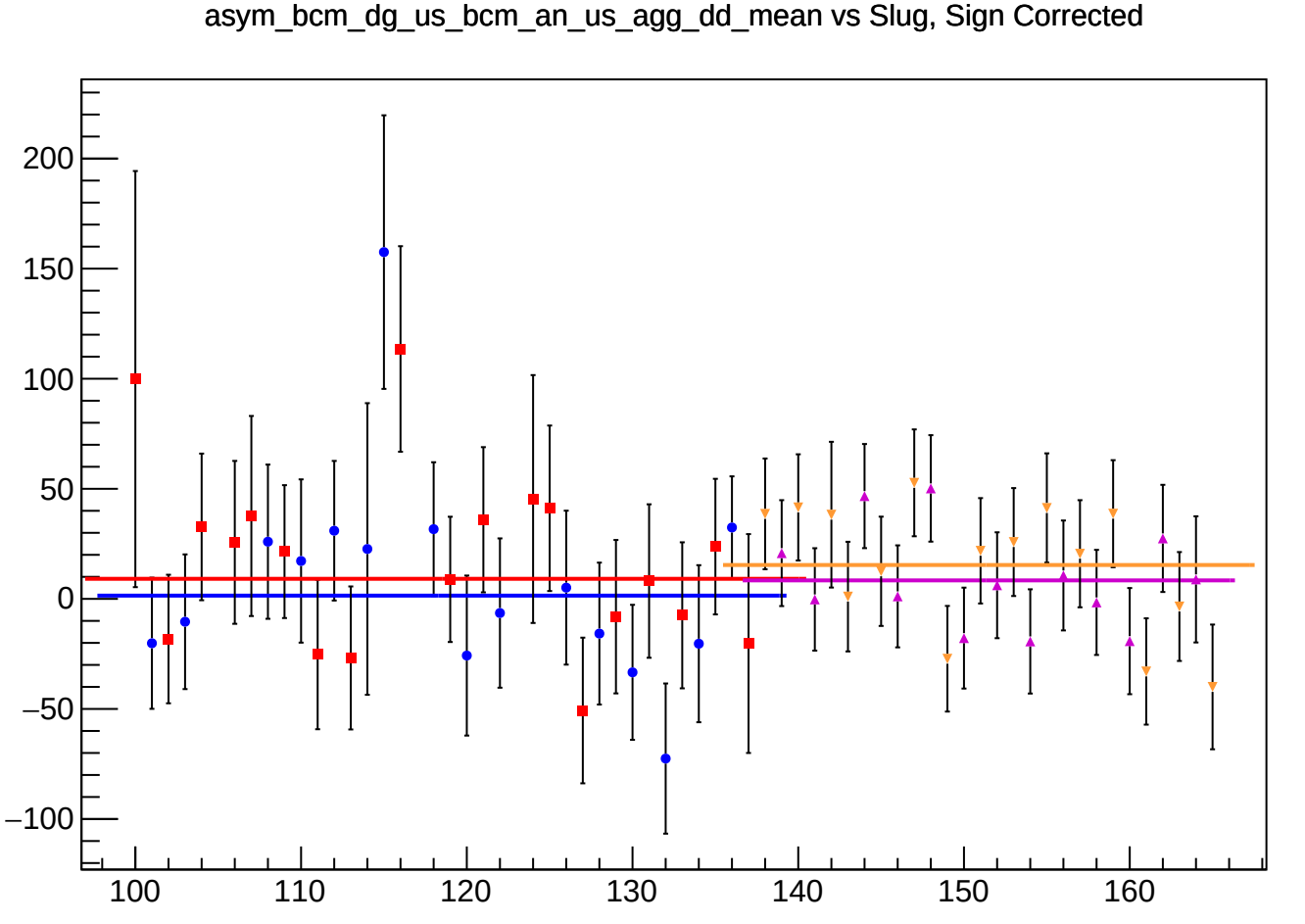
Left: 196.780+/-0.031 χ^2/NDF: 2963536.8/27

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

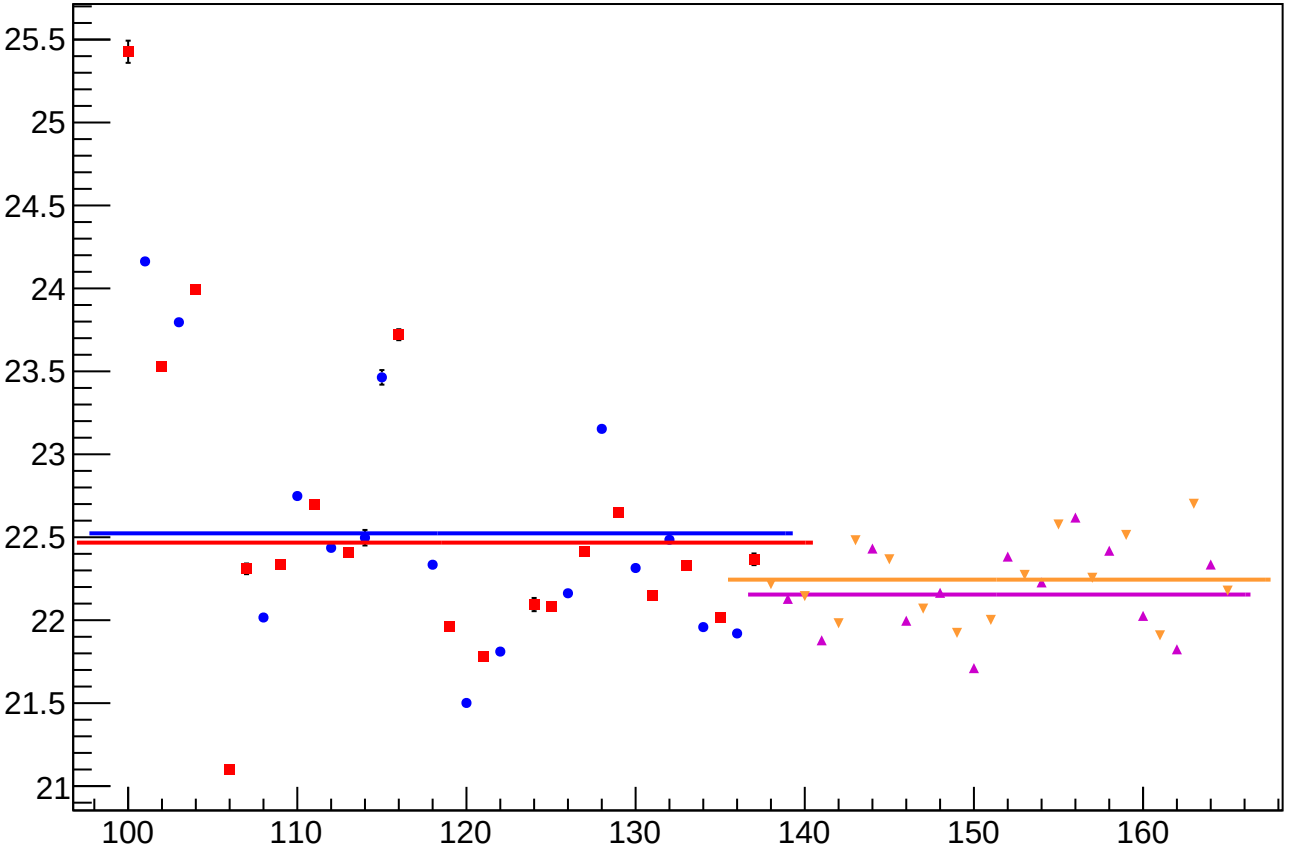
In: 184.414+/-0.033 χ^2/NDF:2524903.1/28

Out: 199.448+/-0.034 χ^2/NDF:3084692.4/33

All: 191.569+/-0.024 χ^2/NDF: 5711232.6/62


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: 1.475+/-8.370 χ²/NDF: 18.7/15
Left Out: 15.381+/-6.470 χ²/NDF:19.1/14
Right Out: 9.113+/-8.198 χ²/NDF: 16.5/18
Left In: 8.392+/-6.690 χ²/NDF:10.9/12
Left: 12.004+/-4.651 χ²/NDF: 30.6/27
Right: 5.374+/-5.857 χ²/NDF: 35.6/34
In: 5.696+/-5.226 χ²/NDF:30.0/28
Out: 12.976+/-5.079 χ²/NDF:35.9/33
All: 9.440+/-3.642 χ²/NDF: 66.9/62

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: 22.244+/-0.005 χ^2/NDF:2749.1/14

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

Left: 22.201+/-0.003 χ^2/NDF: 5977.1/27

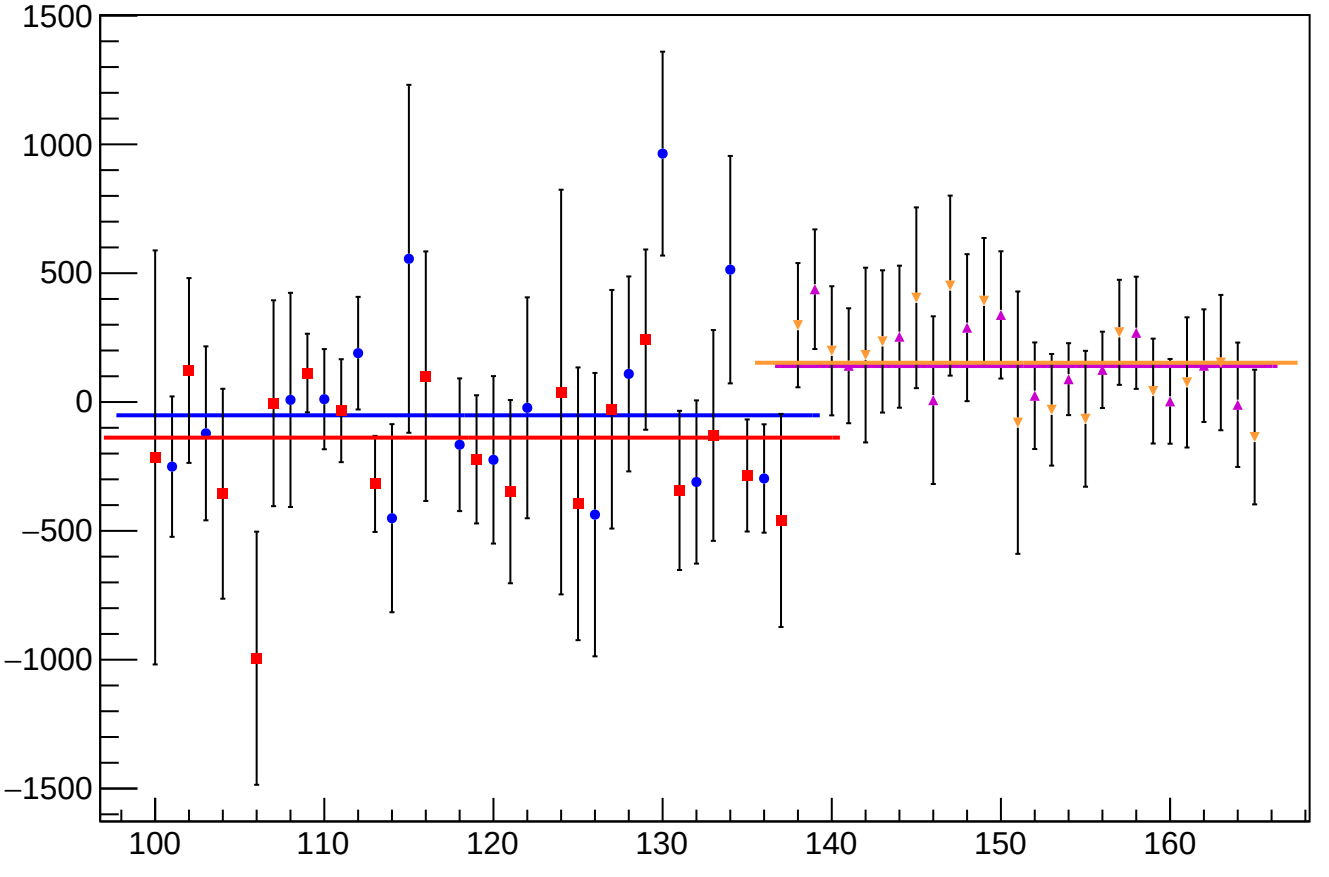
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.298+/-0.004 χ^2/NDF:21360.8/28

Out: 22.330+/-0.004 χ^2/NDF:19288.6/33

All: 22.315+/-0.003 χ^2/NDF: 40687.2/62

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: 152.449+/-67.318 χ^2/NDF:6.3/14

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 139.744+/-57.137 χ^2/NDF:4.8/12

Left: 145.064+/-43.562 χ^2/NDF: 11.1/27

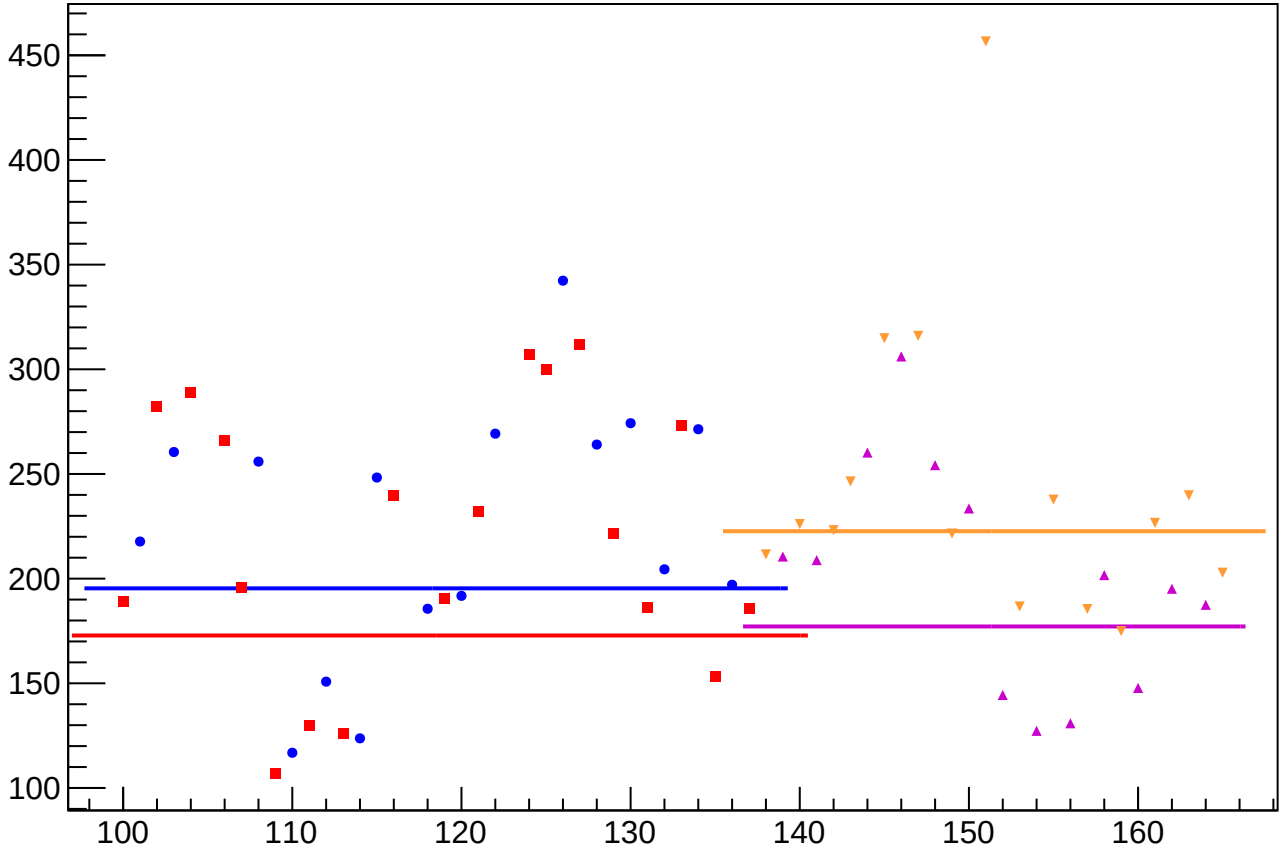
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 71.606+/-45.842 χ^2/NDF:24.1/28

Out: 9.926+/-48.056 χ^2/NDF:27.0/33

All: 42.220+/-33.170 χ^2/NDF: 52.0/62

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: 222.669+/-0.048 χ^2/NDF:981375.8/14

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

Left: 196.211+/-0.031 χ^2/NDF: 2947035.7/27

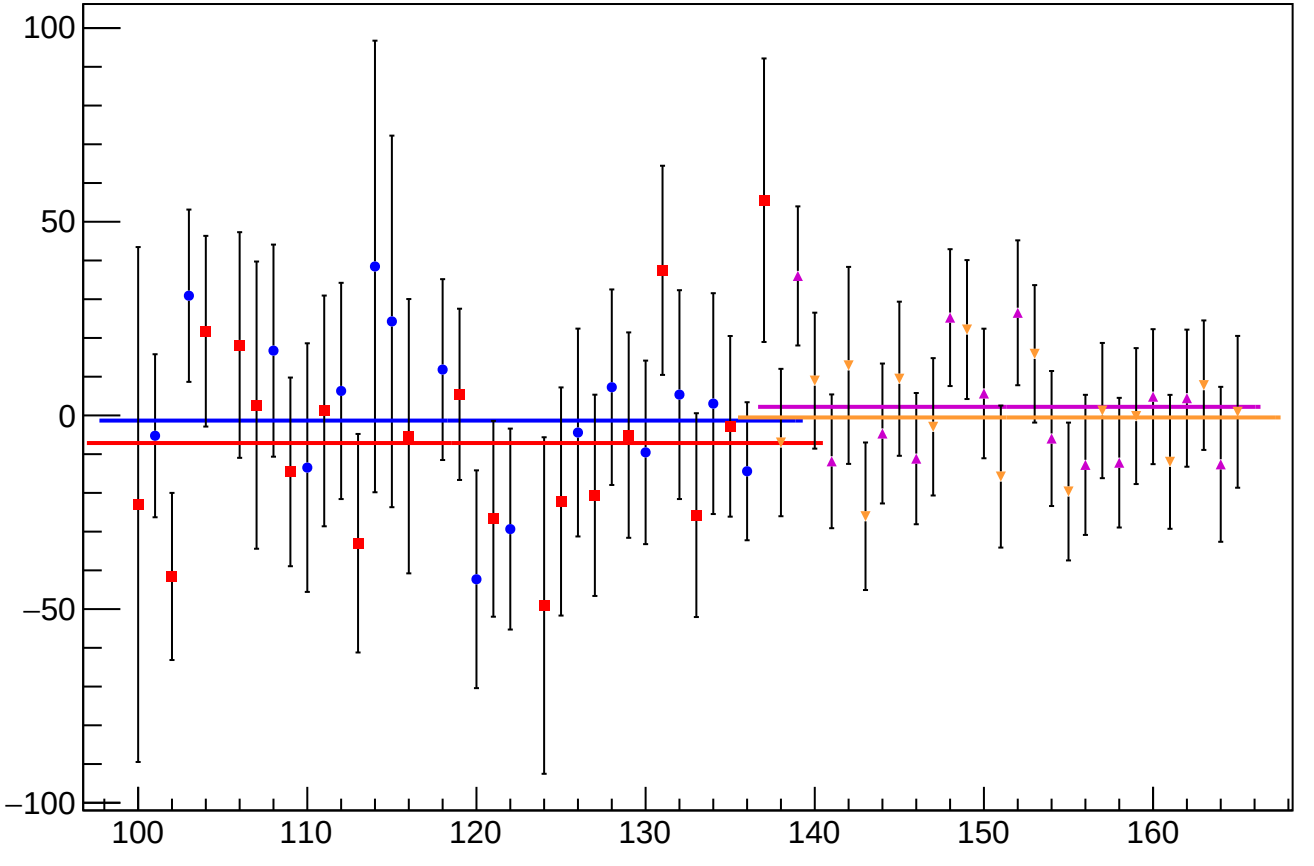
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 183.639+/-0.032 χ^2/NDF:2547971.5/28

Out: 198.232+/-0.034 χ^2/NDF:3178243.6/33

All: 190.592+/-0.023 χ^2/NDF: 5822771.1/62

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.521+/-4.741 χ^2/NDF:7.8/14

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 2.216+/-4.906 χ^2/NDF:10.6/12

Left: 0.800+/-3.409 χ^2/NDF: 18.6/27

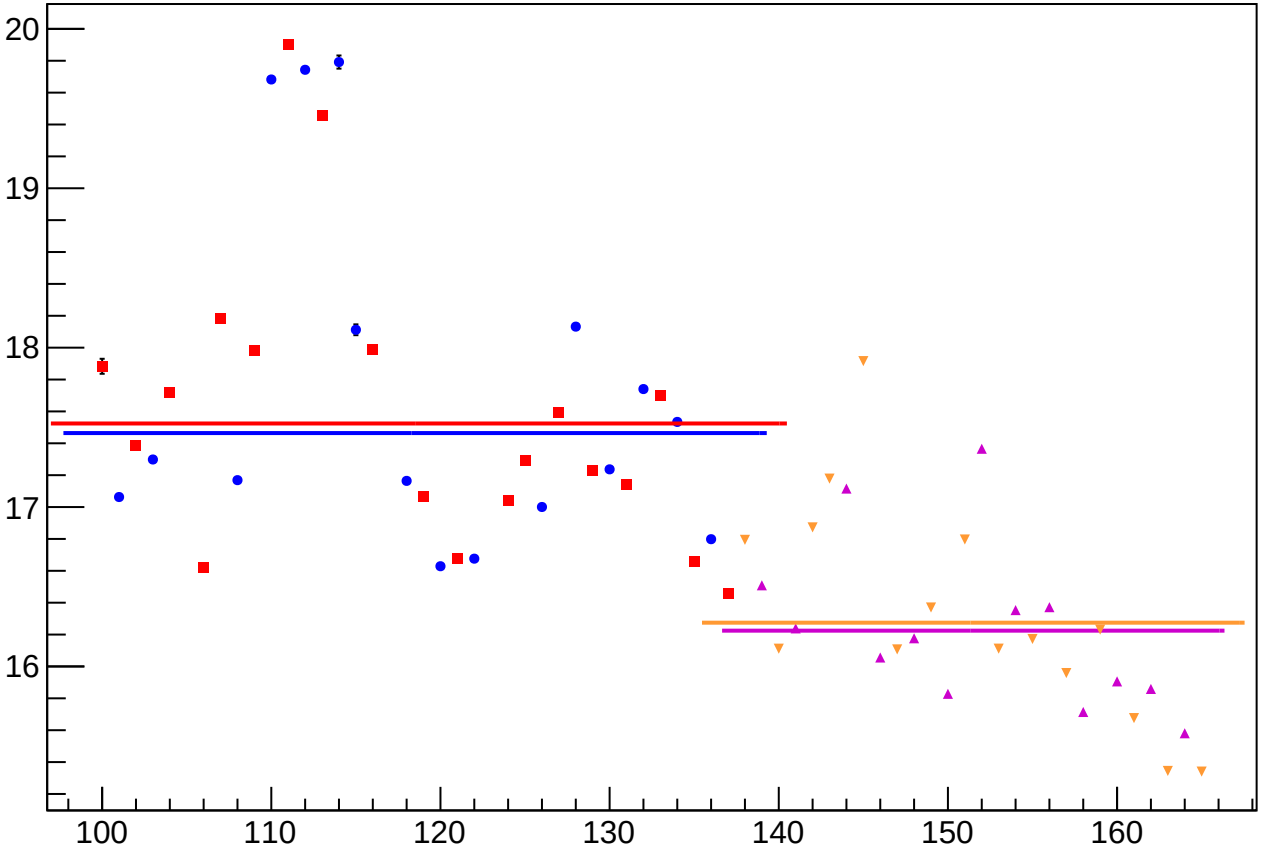
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 0.928+/-3.916 χ^2/NDF:18.8/28

Out: -2.861+/-3.810 χ^2/NDF:22.9/33

All: -1.018+/-2.731 χ^2/NDF: 42.2/62

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: 16.275+/-0.003 χ^2/NDF:36772.9/14

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

Left: 16.250+/-0.002 χ^2/NDF: 56729.8/27

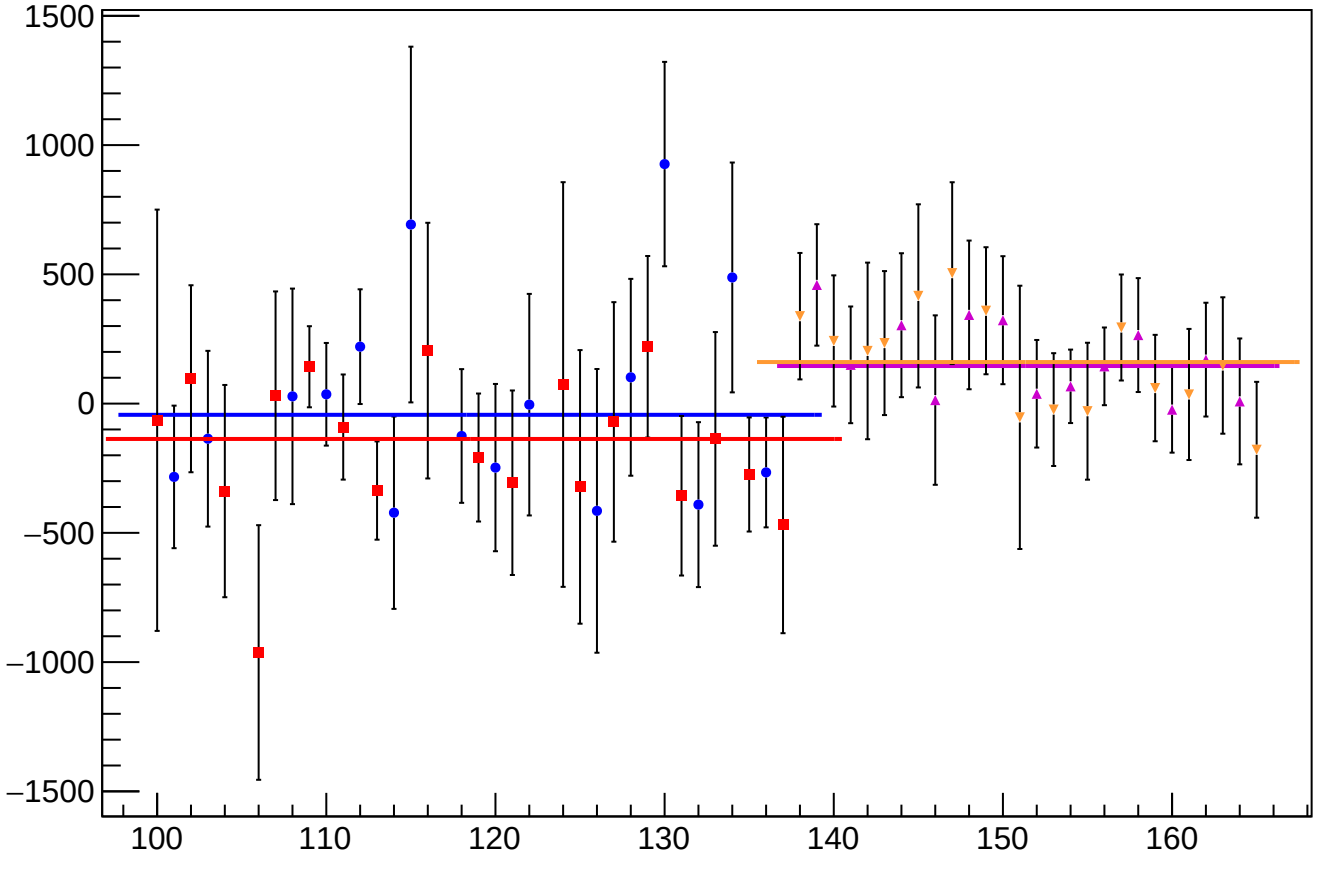
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.675+/-0.003 χ^2/NDF:102853.7/28

Out: 16.717+/-0.003 χ^2/NDF:120719.2/33

All: 16.696+/-0.002 χ^2/NDF: 223694.7/62

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 160.769+/-67.847 χ^2/NDF:6.8/14

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 145.392+/-57.781 χ^2/NDF:5.5/12

Left: 151.856+/-43.990 χ^2/NDF: 12.3/27

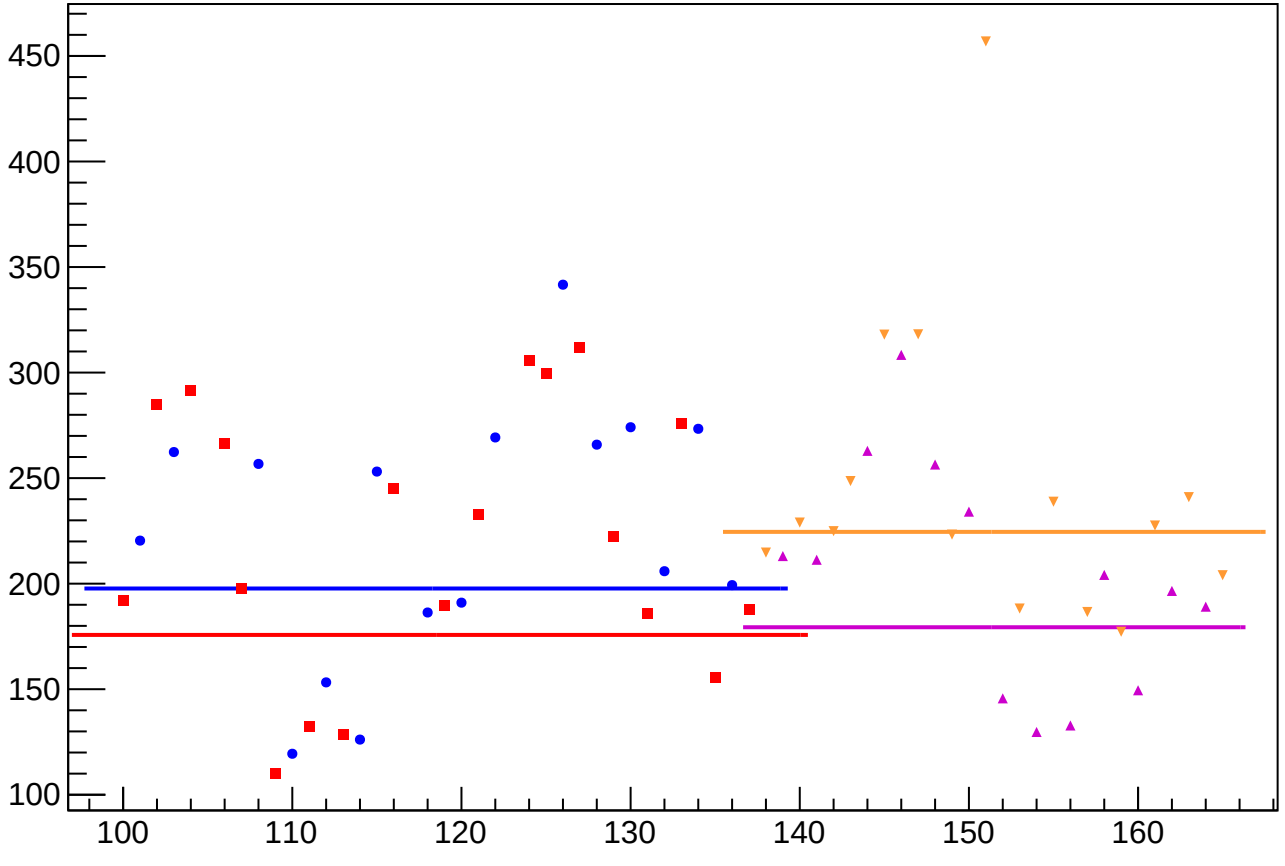
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 78.043+/-46.341 χ^2/NDF:24.7/28

Out: 15.696+/-48.568 χ^2/NDF:27.7/33

All: 48.332+/-33.528 χ^2/NDF: 53.3/62

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: 224.537+/-0.048 χ^2/NDF:971696.0/14

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

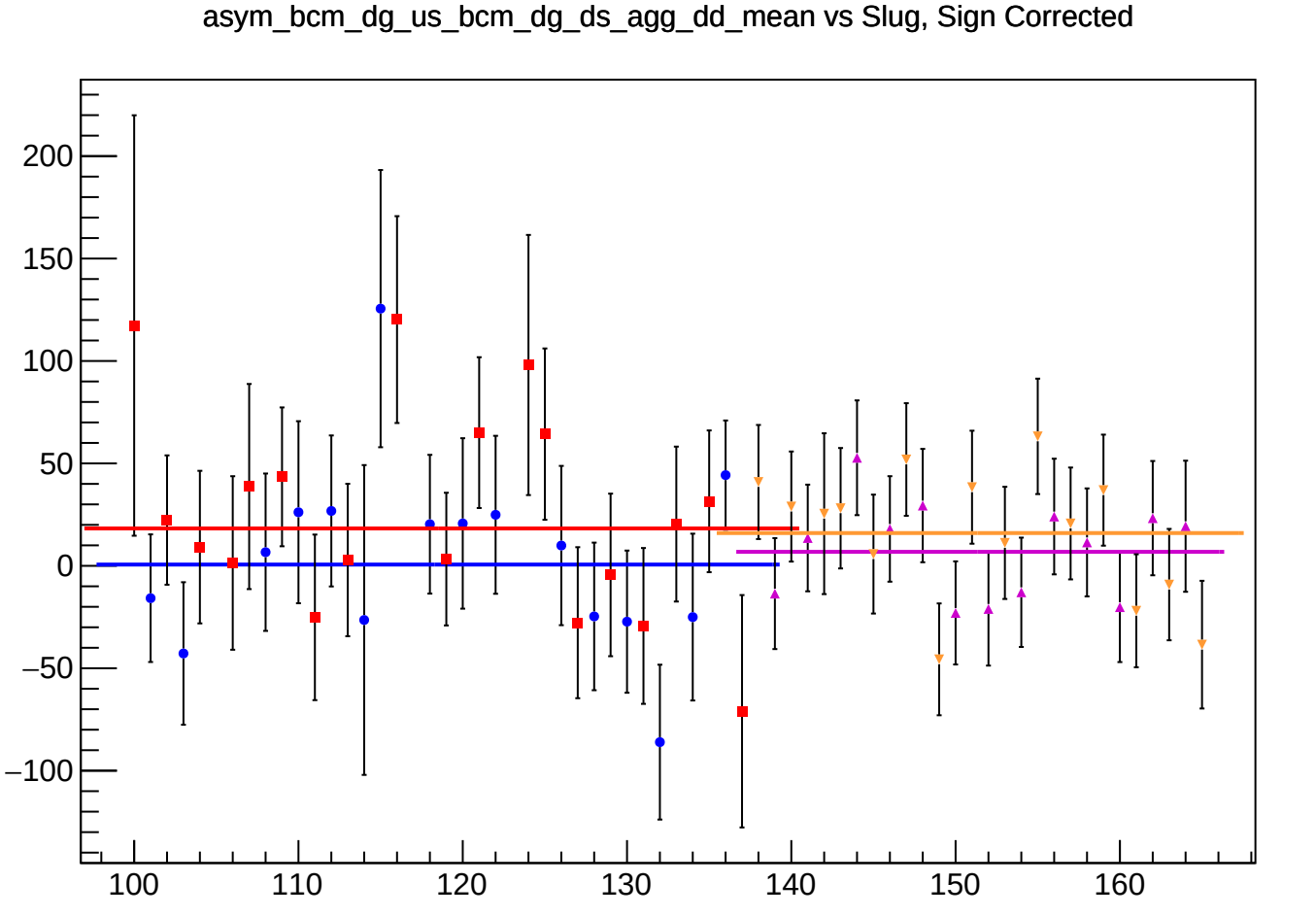
Left: 198.347+/-0.031 χ^2/NDF: 2892190.3/27

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

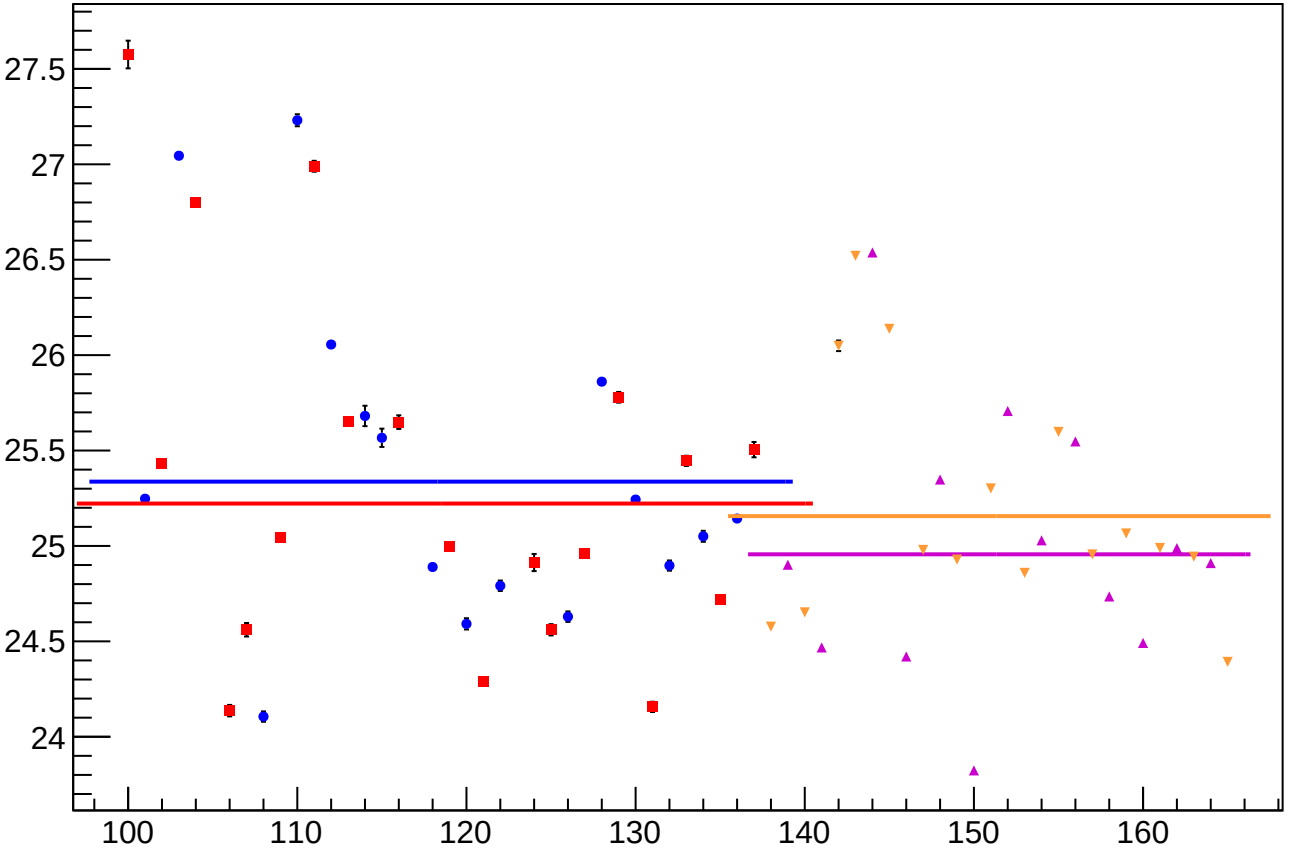
In: 185.900+/-0.033 χ^2/NDF:2478653.6/28

Out: 200.734+/-0.034 χ^2/NDF:3067175.9/33

All: 192.969+/-0.024 χ^2/NDF: 5643482.0/62


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
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 16.007+/-7.323 χ²/NDF:18.1/14
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 6.830+/-7.545 χ²/NDF:9.1/12
Left: 11.556+/-5.255 χ²/NDF: 27.9/27
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 4.403+/-5.889 χ²/NDF:26.1/28
Out: 16.875+/-5.732 χ²/NDF:36.1/33
All: 10.808+/-4.108 χ²/NDF: 64.5/62

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: 25.156+/-0.005 χ^2/NDF:11731.0/14

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

Left: 25.059+/-0.004 χ^2/NDF: 27978.7/27

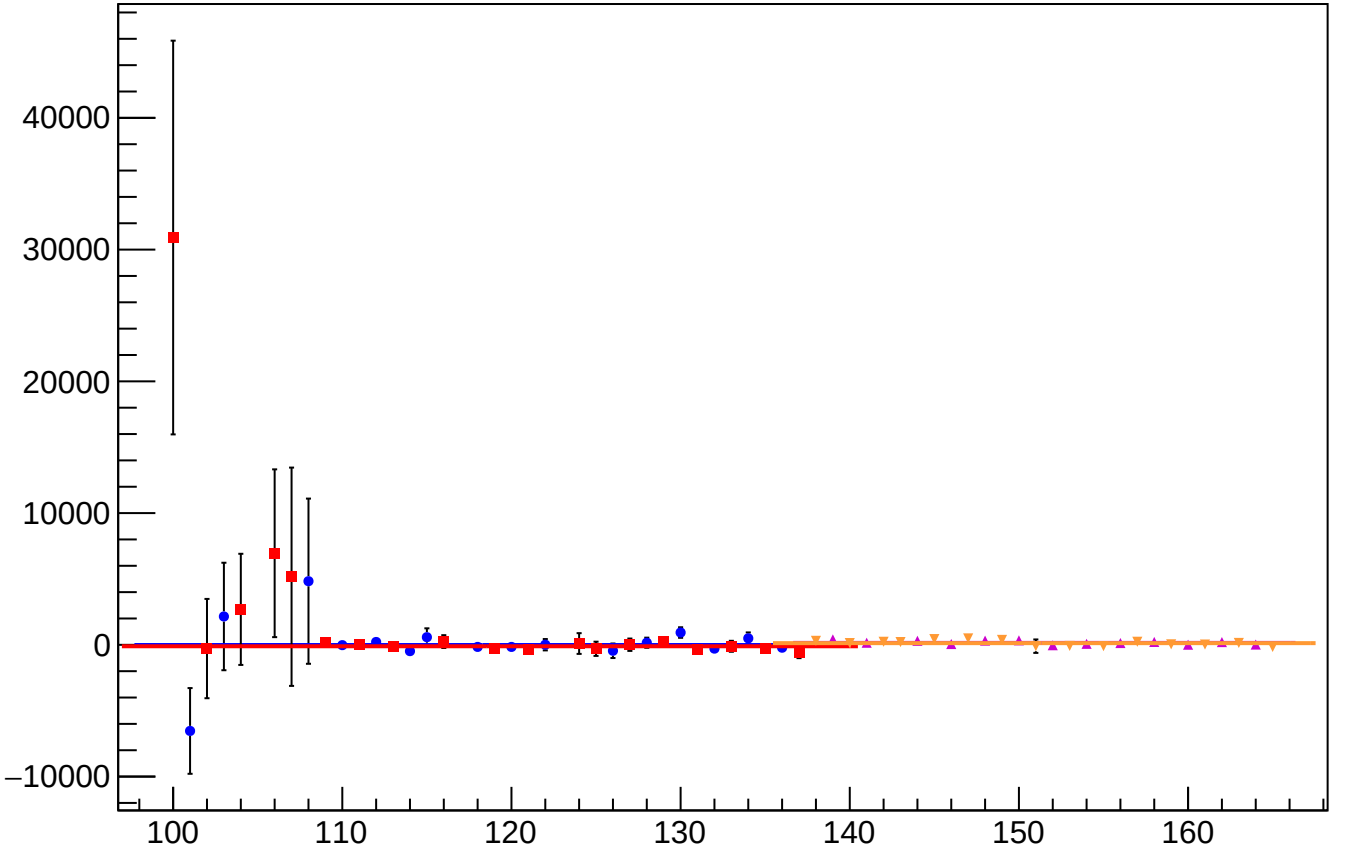
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.105+/-0.004 χ^2/NDF:31829.2/28

Out: 25.182+/-0.004 χ^2/NDF:27018.1/33

All: 25.144+/-0.003 χ^2/NDF: 59022.3/62

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: 128.440+/-68.723 χ^2/NDF:7.0/14

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 146.993+/-58.710 χ^2/NDF:4.6/12

Left: 139.166+/-44.639 χ^2/NDF: 11.7/27

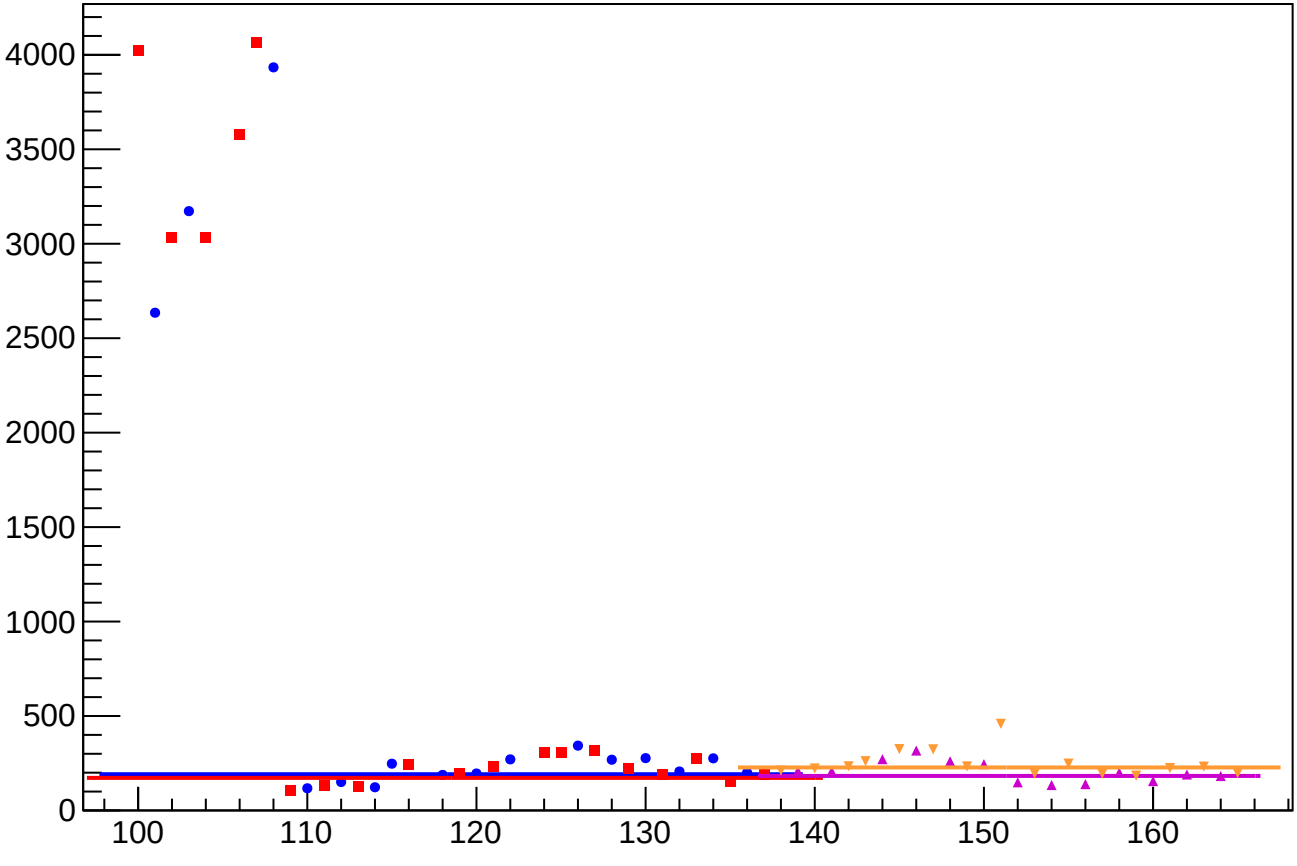
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 94.275+/-48.252 χ^2/NDF:25.4/28

Out: 24.897+/-51.593 χ^2/NDF:26.3/33

All: 61.905+/-35.241 χ^2/NDF: 52.7/62

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: 227.681+/-0.049 χ^2/NDF:950598.3/14

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.806+/-0.042 χ^2/NDF:1298297.4/12

Left: 201.739+/-0.032 χ^2/NDF: 2741888.3/27

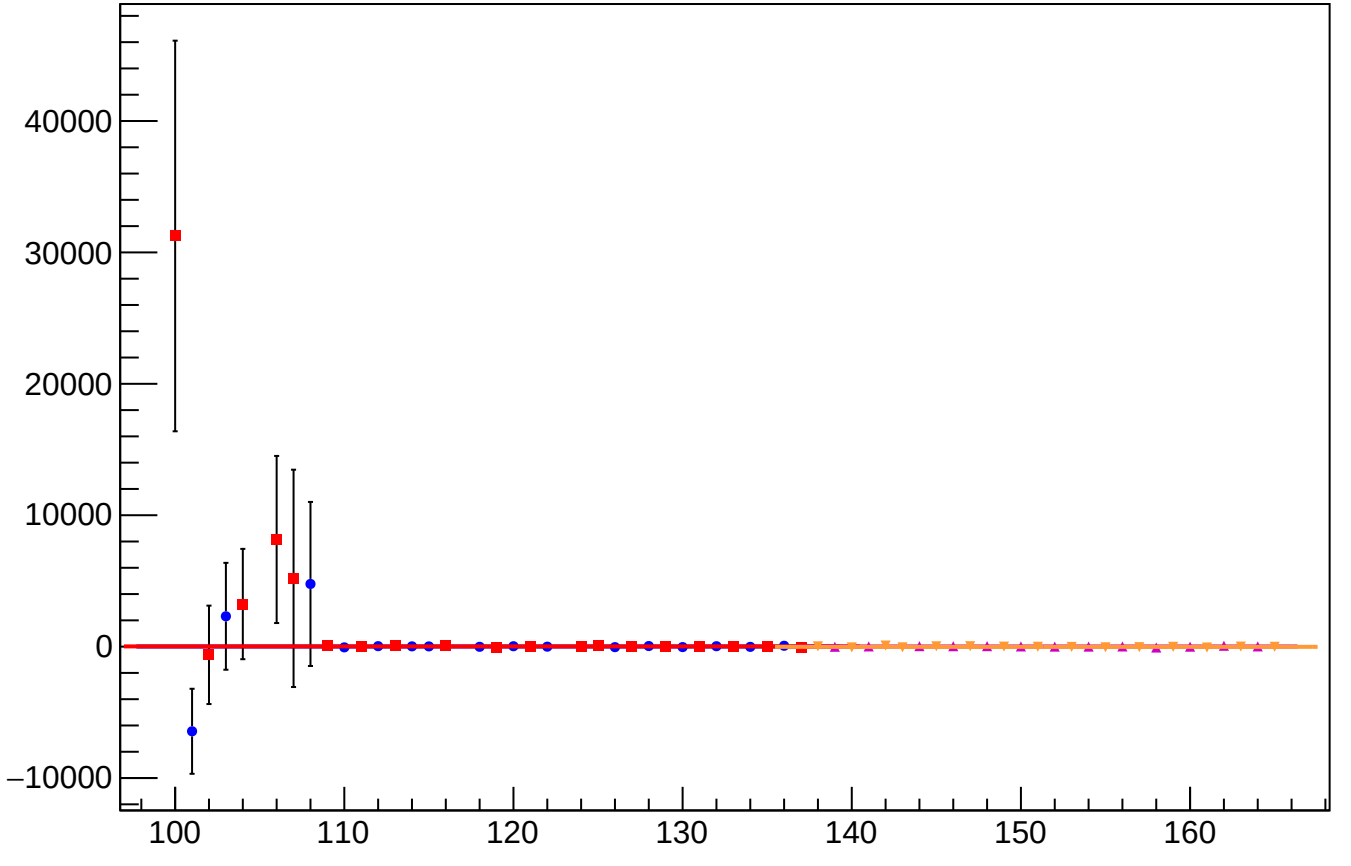
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 185.704+/-0.034 χ^2/NDF:5135117.8/28

Out: 203.584+/-0.036 χ^2/NDF:5817219.0/33

All: 194.046+/-0.025 χ^2/NDF: 11080466.9/62

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.705+/-8.474 χ^2/NDF:17.6/14

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 12.323+/-8.792 χ^2/NDF:13.9/12

Left: -2.207+/-6.102 χ^2/NDF: 36.7/27

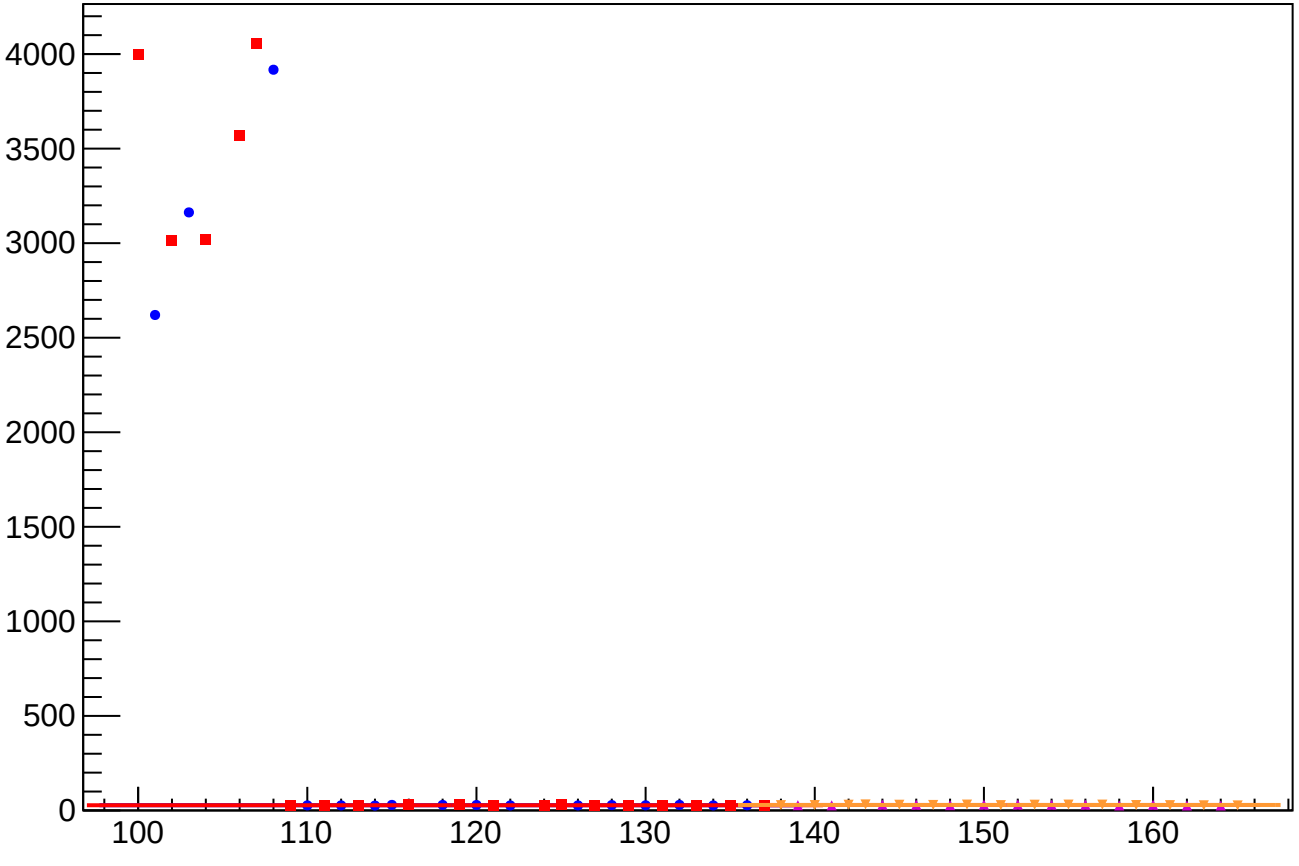
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 11.330+/-7.026 χ^2/NDF:29.9/28

Out: -4.207+/-6.884 χ^2/NDF:47.8/33

All: 3.404+/-4.917 χ^2/NDF: 80.2/62

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: 29.046+/-0.006 χ^2/NDF:63136.4/14

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.994+/-0.006 χ^2/NDF:96848.9/12

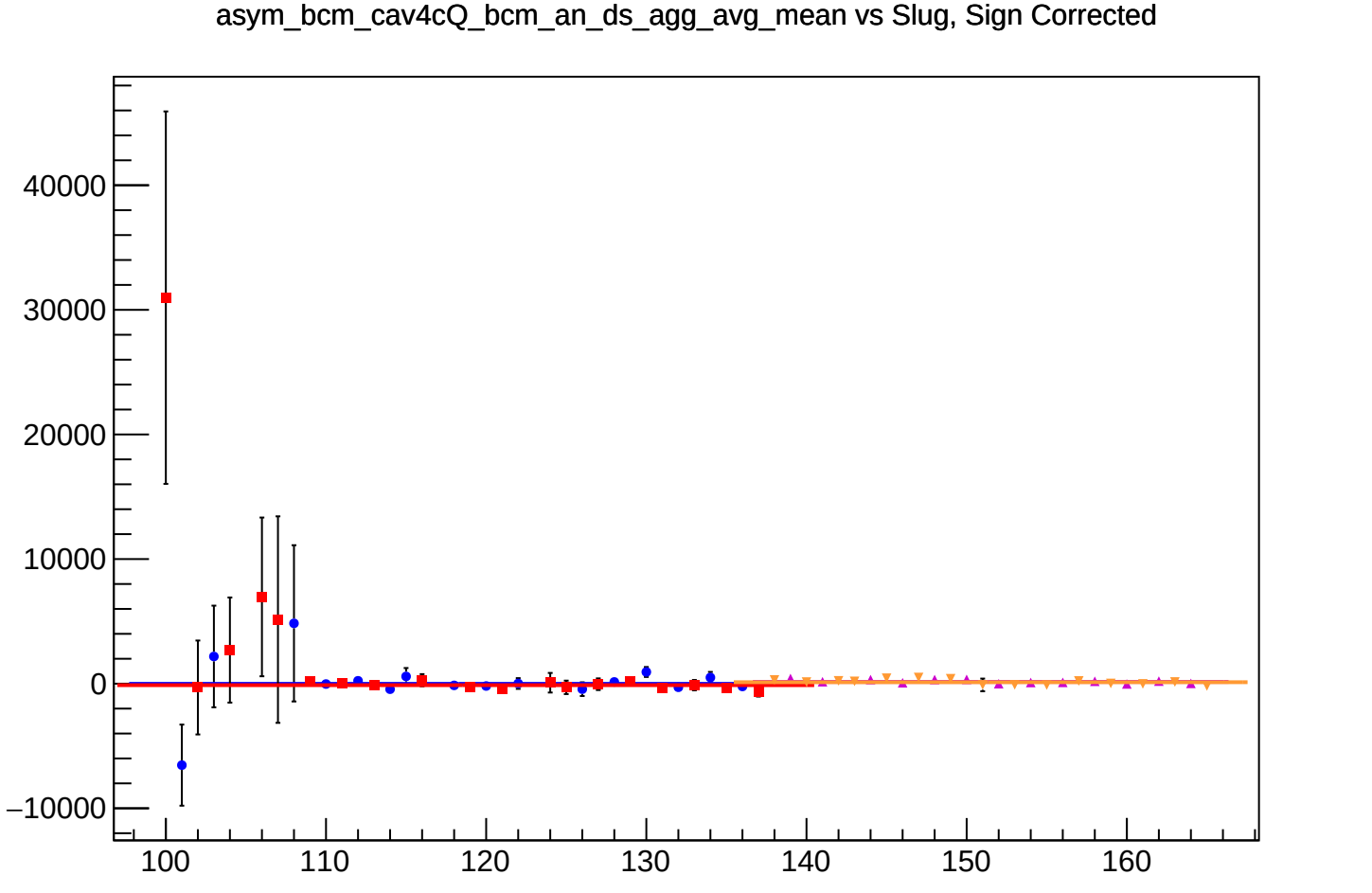
Left: 29.021+/-0.004 χ^2/NDF: 160022.0/27

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.505+/-0.005 χ^2/NDF:3379449.0/28

Out: 28.532+/-0.005 χ^2/NDF:3640004.8/33

All: 28.519+/-0.003 χ^2/NDF: 7019469.0/62



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 118.199+/-68.577 χ^2/NDF:7.8/14

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 143.882+/-58.602 χ^2/NDF:4.8/12

Left: 133.043+/-44.551 χ^2/NDF: 12.7/27

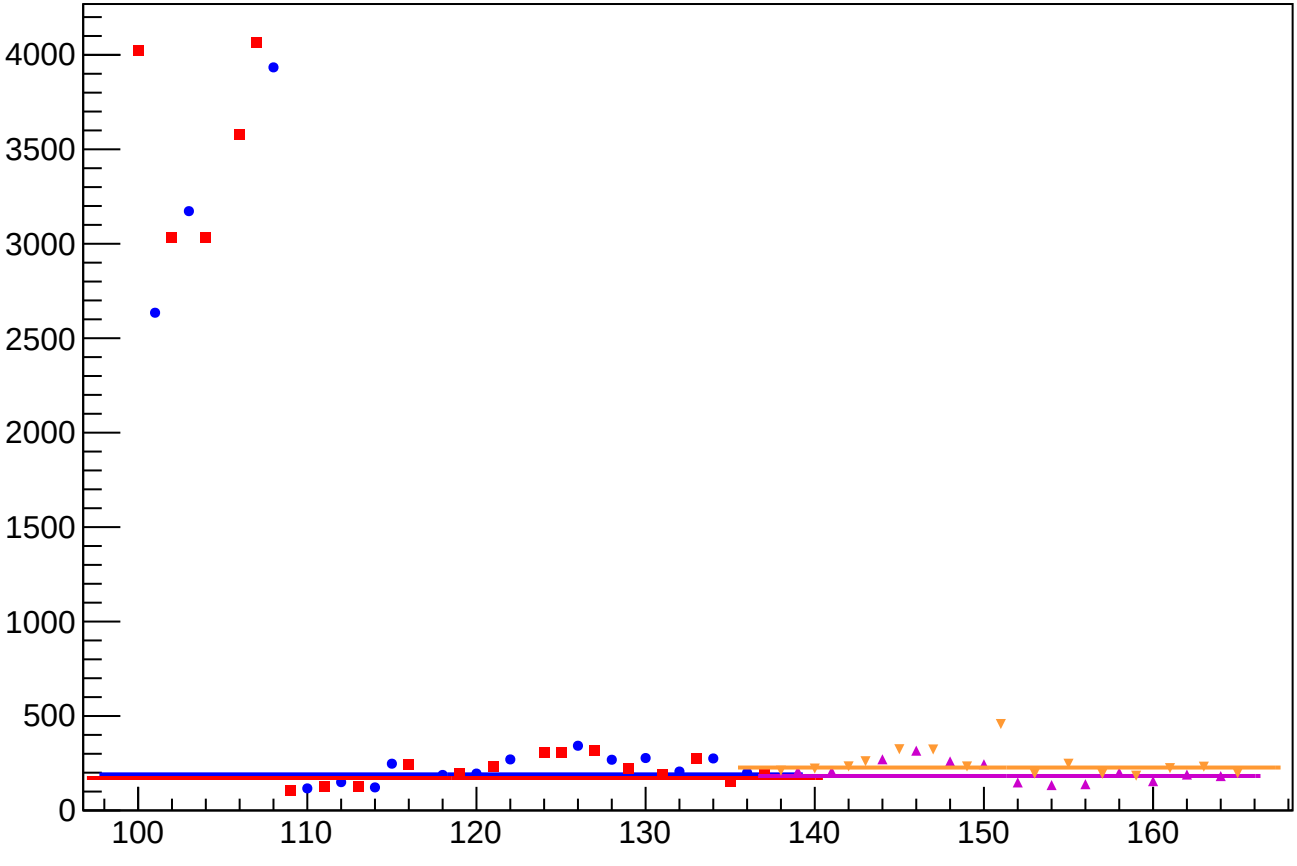
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 92.843+/-48.146 χ^2/NDF:25.5/28

Out: 14.988+/-51.463 χ^2/NDF:27.4/33

All: 56.505+/-35.159 χ^2/NDF: 54.1/62

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: 227.203+/-0.048 χ^2/NDF:950283.3/14

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

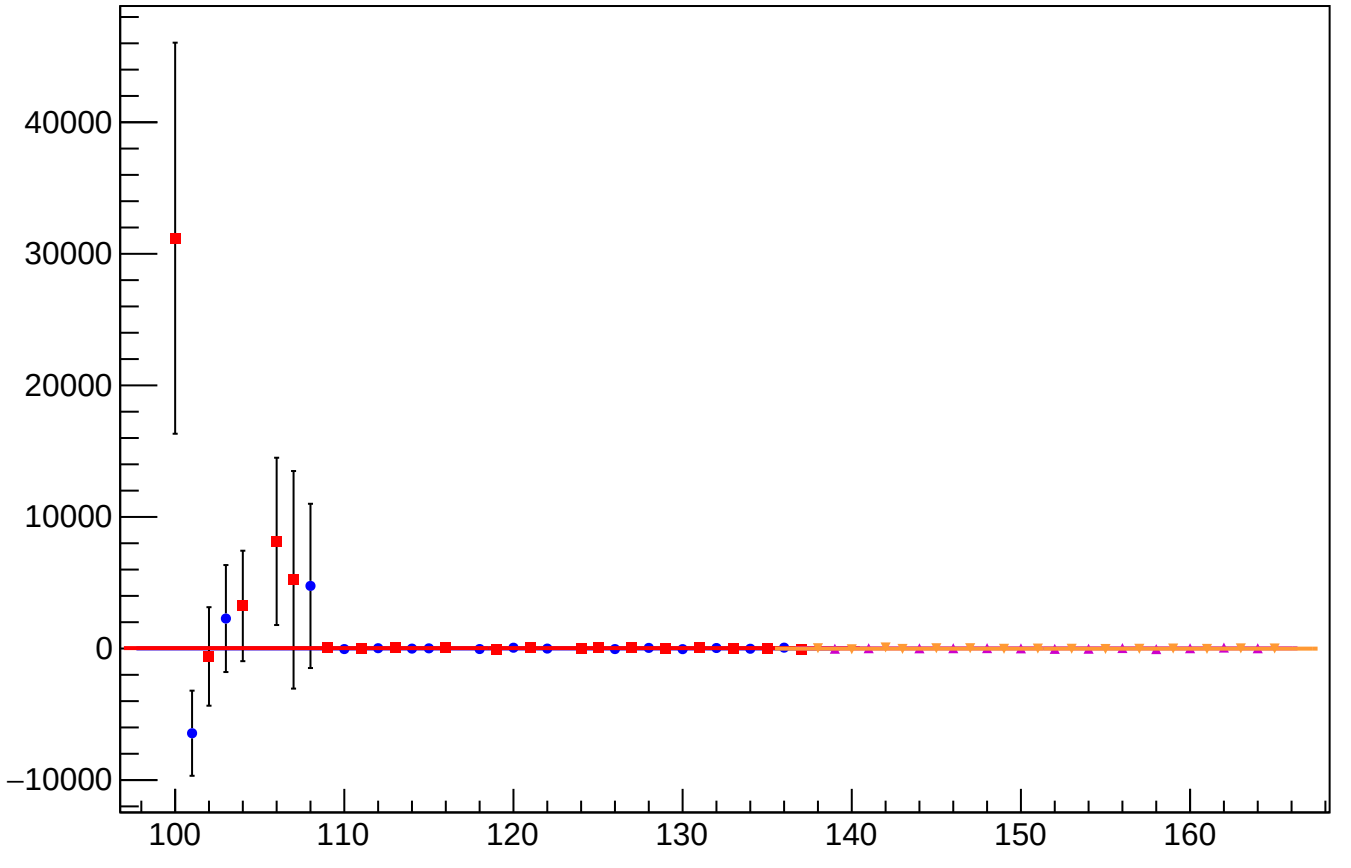
Left: 201.351+/-0.032 χ^2/NDF: 2740397.3/27

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.266+/-0.034 χ^2/NDF:5146264.3/28

Out: 203.016+/-0.036 χ^2/NDF:5834542.2/33

All: 193.551+/-0.025 χ^2/NDF: 11107671.2/62



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.685+/-8.546 χ^2/NDF:11.2/14

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 12.349+/-8.854 χ^2/NDF:12.2/12

Left: 1.460+/-6.149 χ^2/NDF: 26.3/27

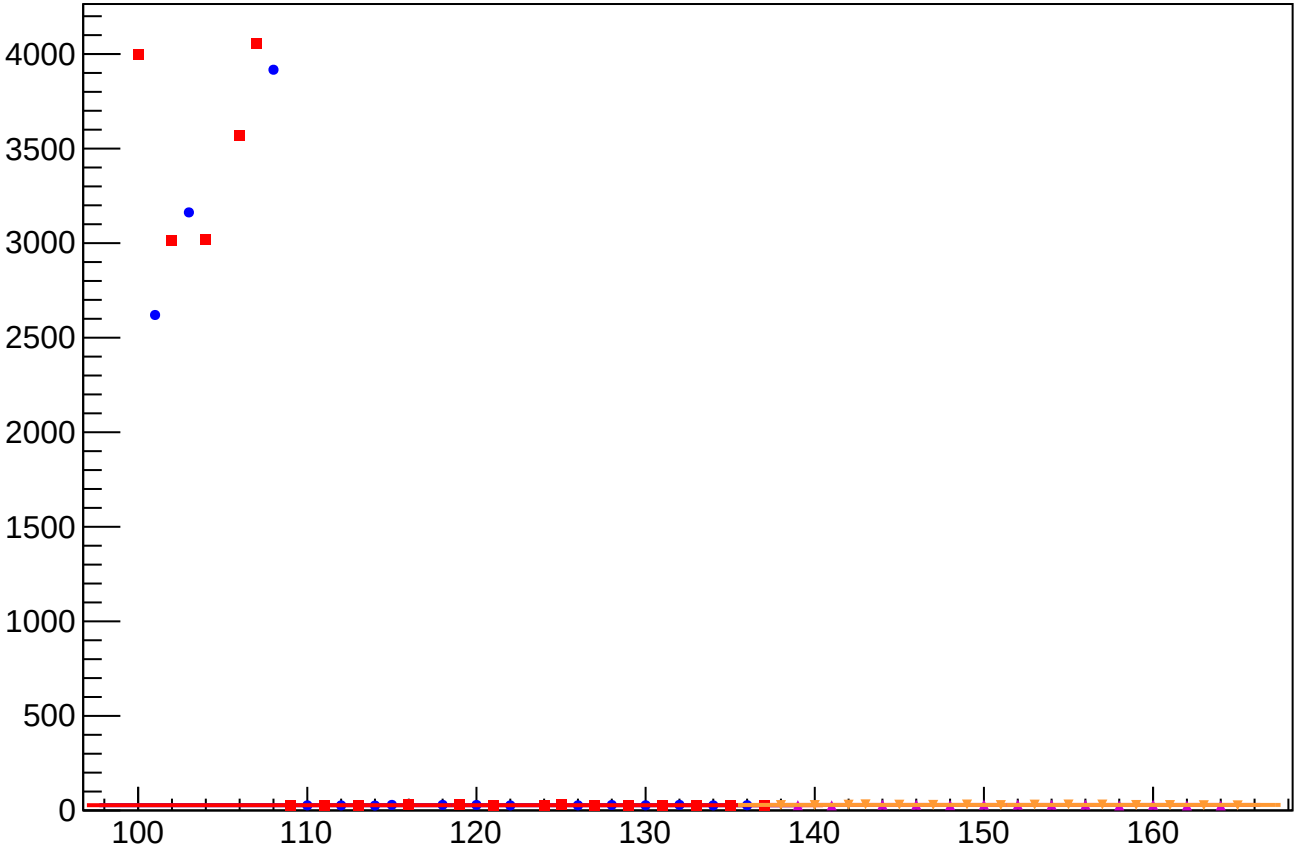
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.230+/-7.074 χ^2/NDF:30.6/28

Out: 4.803+/-6.942 χ^2/NDF:38.4/33

All: 7.465+/-4.955 χ^2/NDF: 69.3/62

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: 29.289+/-0.006 χ^2/NDF:64346.8/14

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

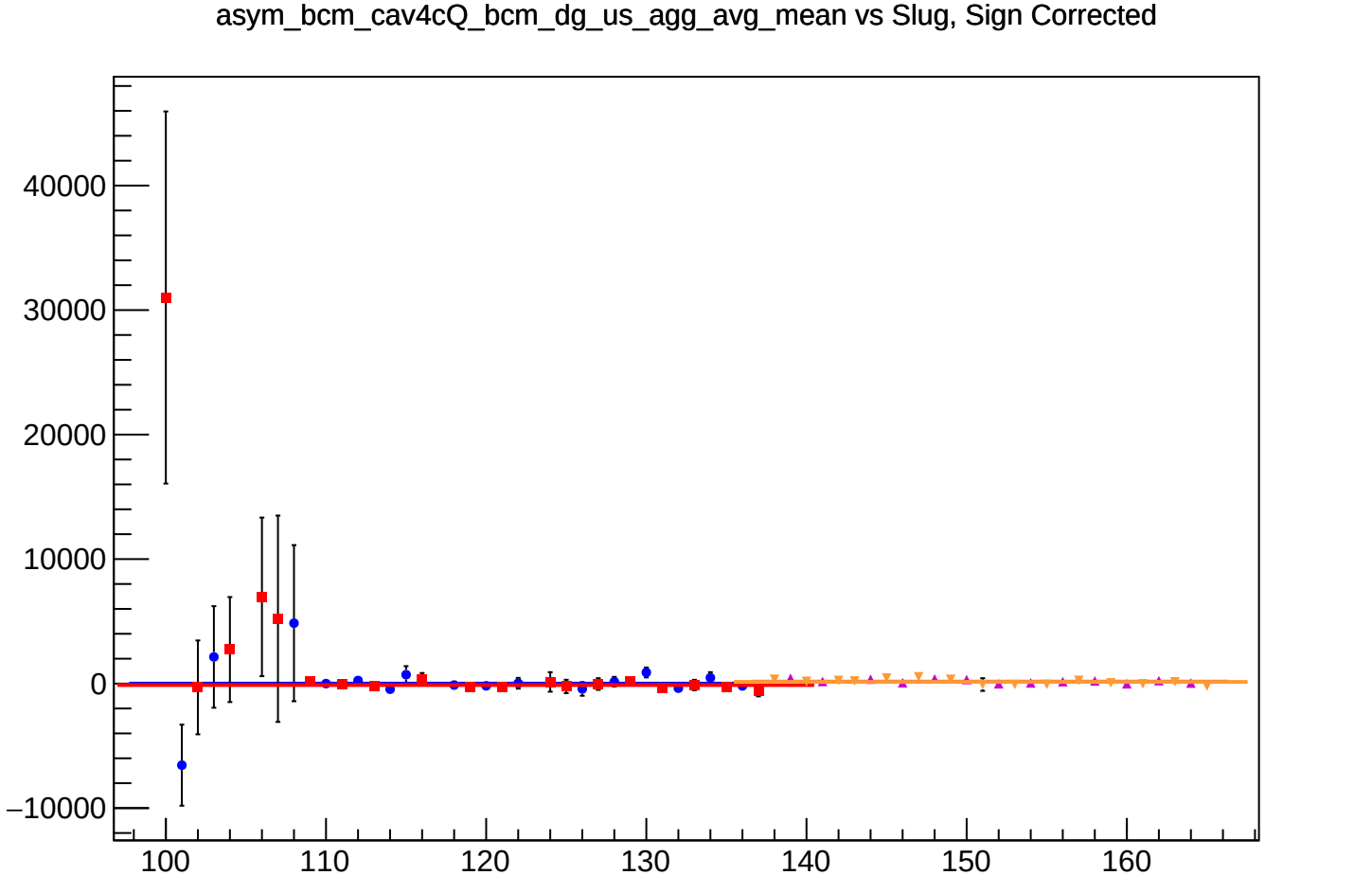
Left: 29.247+/-0.004 χ^2/NDF: 160000.9/27

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.704+/-0.005 χ^2/NDF:3378939.7/28

Out: 28.767+/-0.005 χ^2/NDF:3644987.9/33

All: 28.736+/-0.004 χ^2/NDF: 7024007.9/62



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 136.225+/-69.253 χ^2/NDF:7.7/14

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 153.416+/-59.351 χ^2/NDF:5.4/12

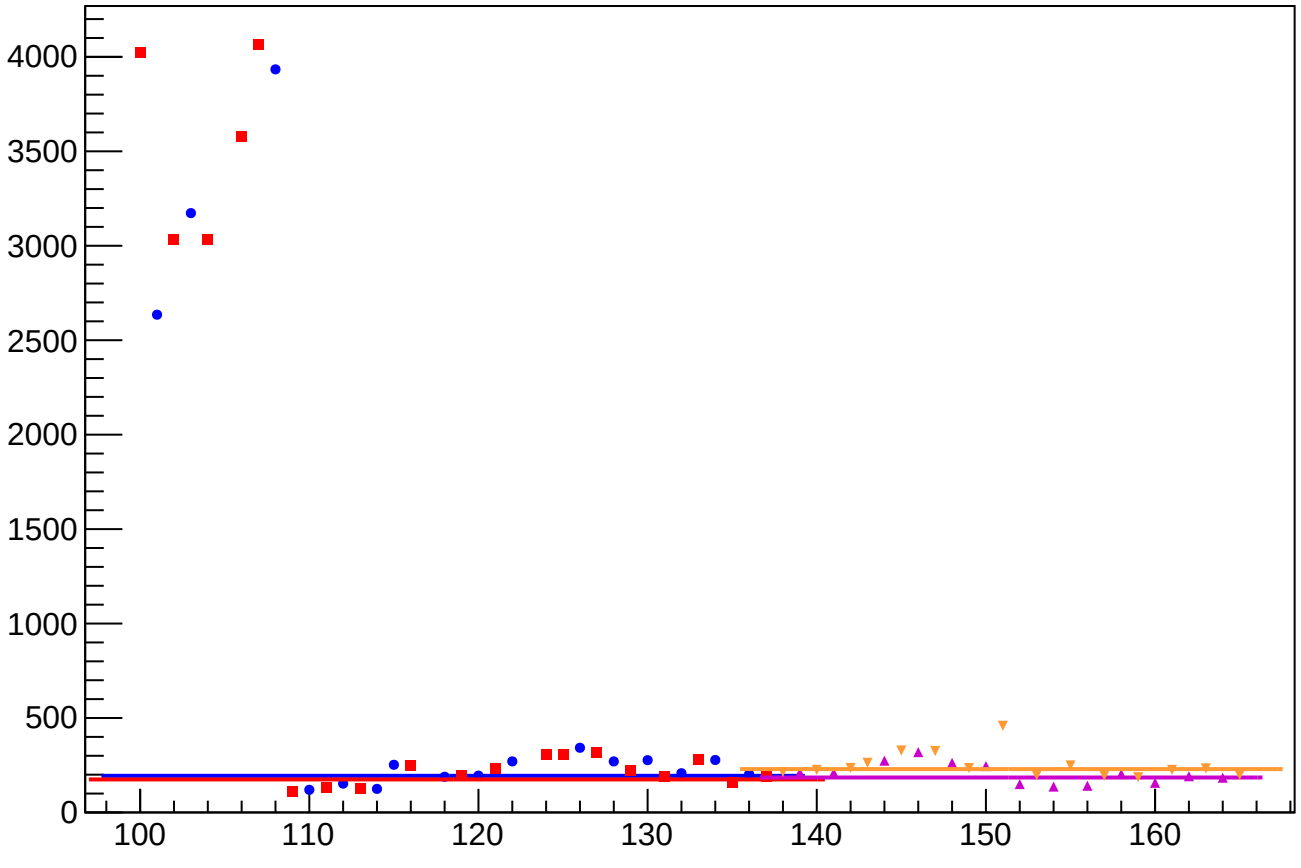
Left: 146.136+/-45.066 χ^2/NDF: 13.2/27

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 102.626+/-48.757 χ^2/NDF:25.9/28

Out: 26.656+/-52.063 χ^2/NDF:27.3/33

All: 67.129+/-35.588 χ^2/NDF: 54.3/62



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 229.550+/-0.049 χ^2/NDF:941458.3/14

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 184.993+/-0.042 χ^2/NDF:1274064.1/12

Left: 203.861+/-0.032 χ^2/NDF: 2692842.5/27

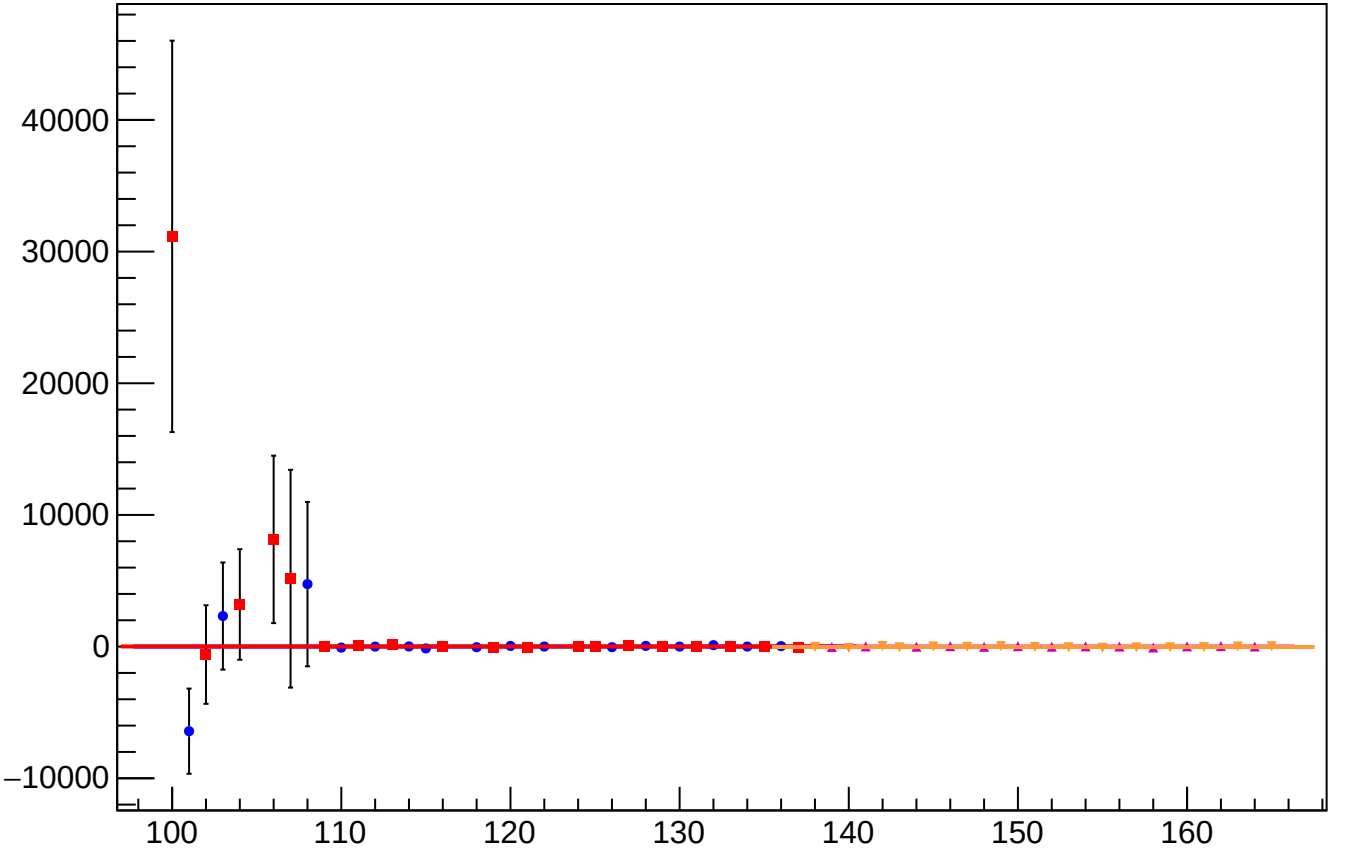
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 187.904+/-0.034 χ^2/NDF:5073328.0/28

Out: 205.734+/-0.037 χ^2/NDF:5744749.0/33

All: 196.235+/-0.025 χ^2/NDF: 10943041.0/62

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: -31.582+/-10.085 χ^2/NDF:16.4/14

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 3.214+/-10.476 χ^2/NDF:7.8/12

Left: -14.845+/-7.266 χ^2/NDF: 29.9/27

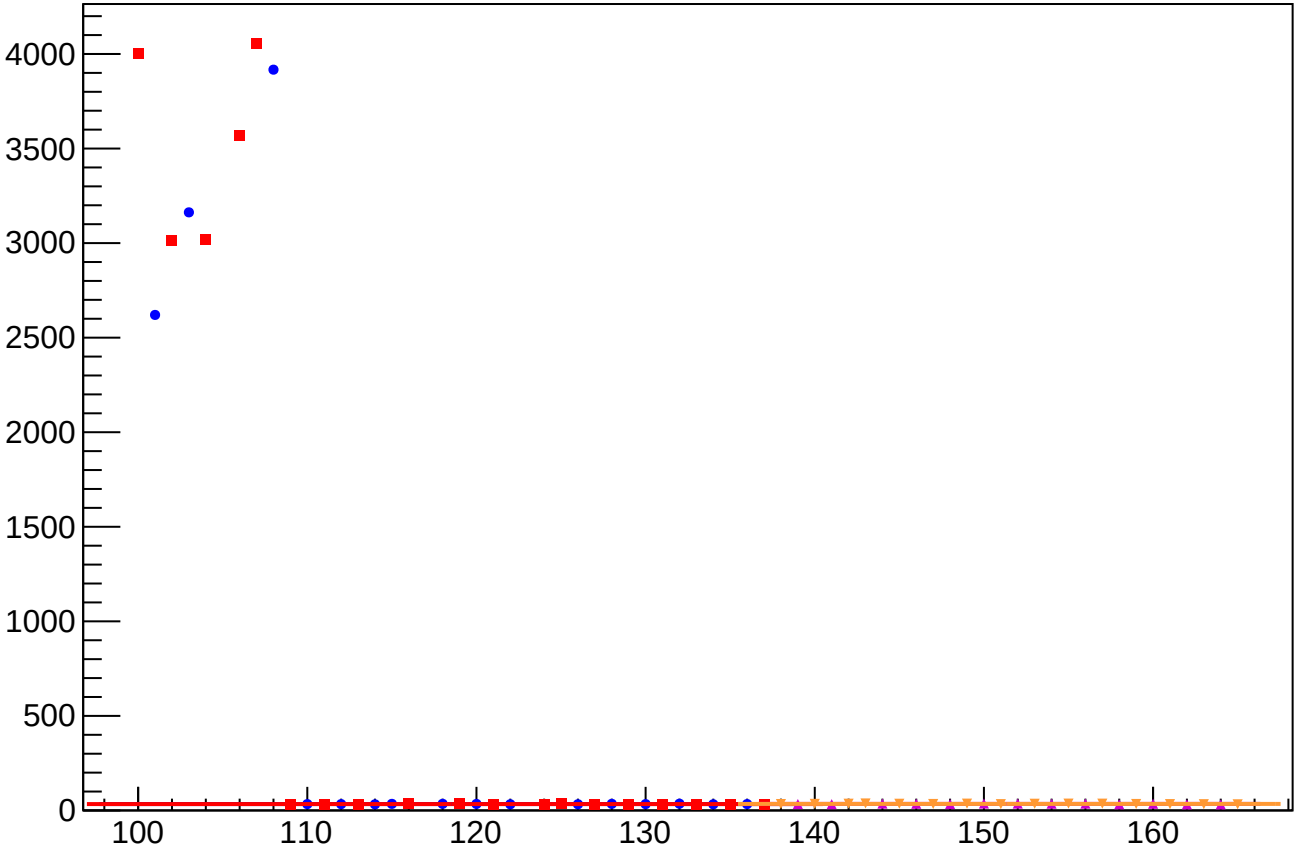
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 4.068+/-8.452 χ^2/NDF:25.3/28

Out: -17.938+/-8.267 χ^2/NDF:45.4/33

All: -7.179+/-5.910 χ^2/NDF: 74.1/62

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: 34.620+/-0.007 χ^2/NDF:30685.2/14

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.623+/-0.007 χ^2/NDF:41952.7/12

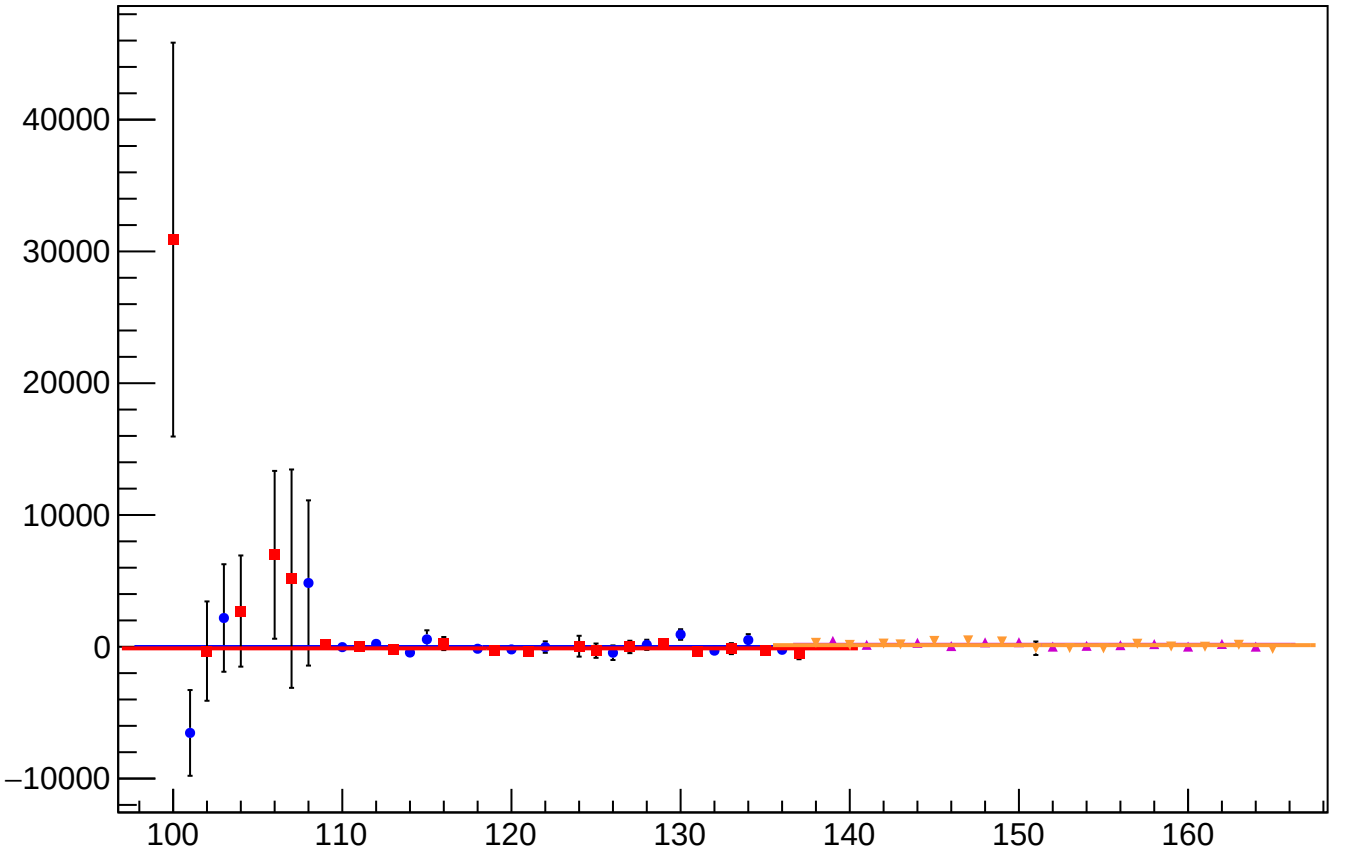
Left: 34.621+/-0.005 χ^2/NDF: 72637.9/27

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.370+/-0.006 χ^2/NDF:3289661.4/28

Out: 34.327+/-0.006 χ^2/NDF:3562308.2/33

All: 34.348+/-0.004 χ^2/NDF: 6851996.3/62



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 123.170+/-69.090 χ^2/NDF:7.5/14

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 149.850+/-59.170 χ^2/NDF:4.8/12

Left: 138.561+/-44.941 χ^2/NDF: 12.3/27

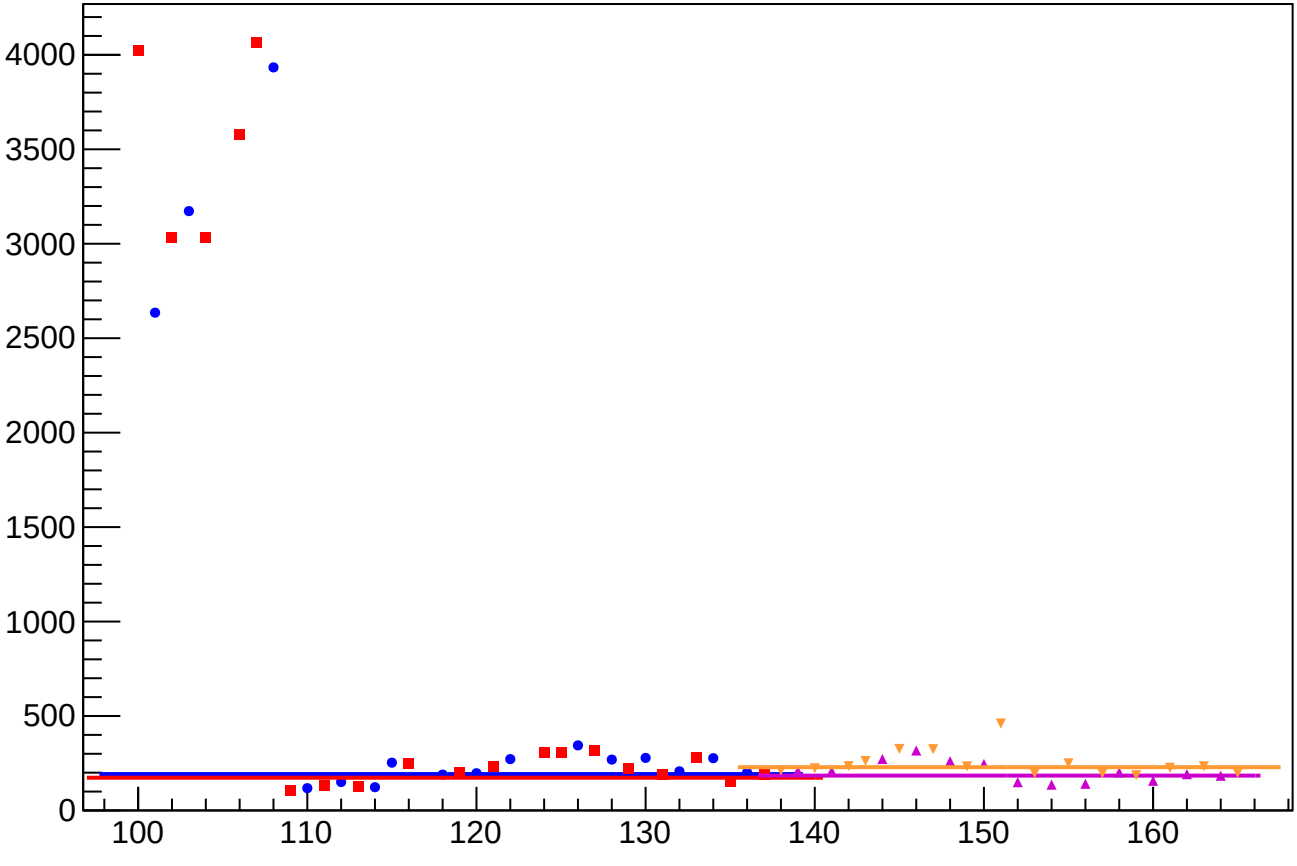
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 94.620+/-48.574 χ^2/NDF:25.6/28

Out: 16.992+/-51.850 χ^2/NDF:26.2/33

All: 58.336+/-35.449 χ^2/NDF: 53.0/62

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: 229.014+/-0.049 χ^2/NDF:935425.0/14

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

Left: 203.304+/-0.032 χ^2/NDF: 2675095.6/27

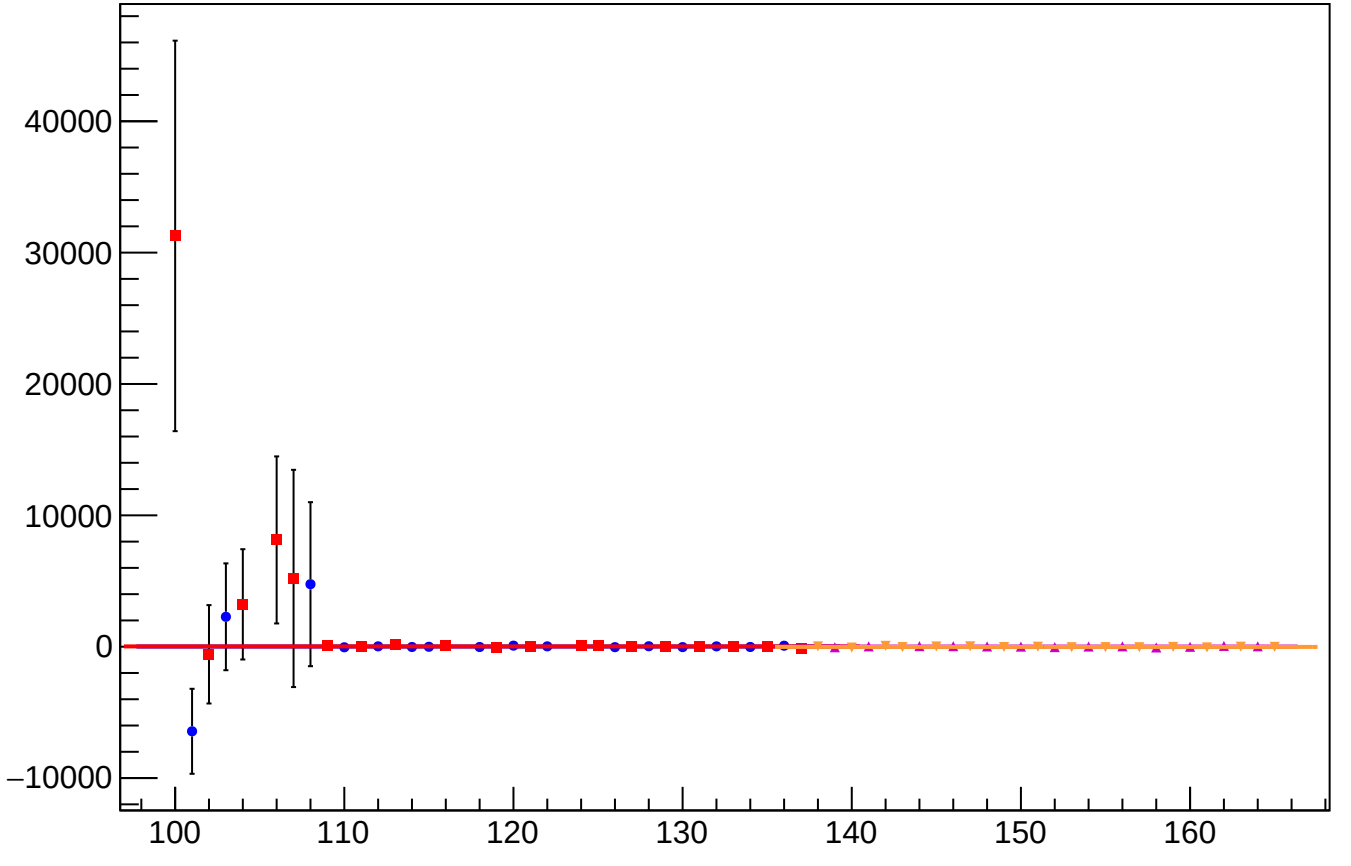
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.093+/-0.034 χ^2/NDF:5094653.1/28

Out: 204.657+/-0.037 χ^2/NDF:5811940.2/33

All: 195.302+/-0.025 χ^2/NDF: 11028818.1/62

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.759+/-9.143 χ^2/NDF:11.6/14

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 10.555+/-9.487 χ^2/NDF:14.0/12

Left: -3.088+/-6.583 χ^2/NDF: 29.6/27

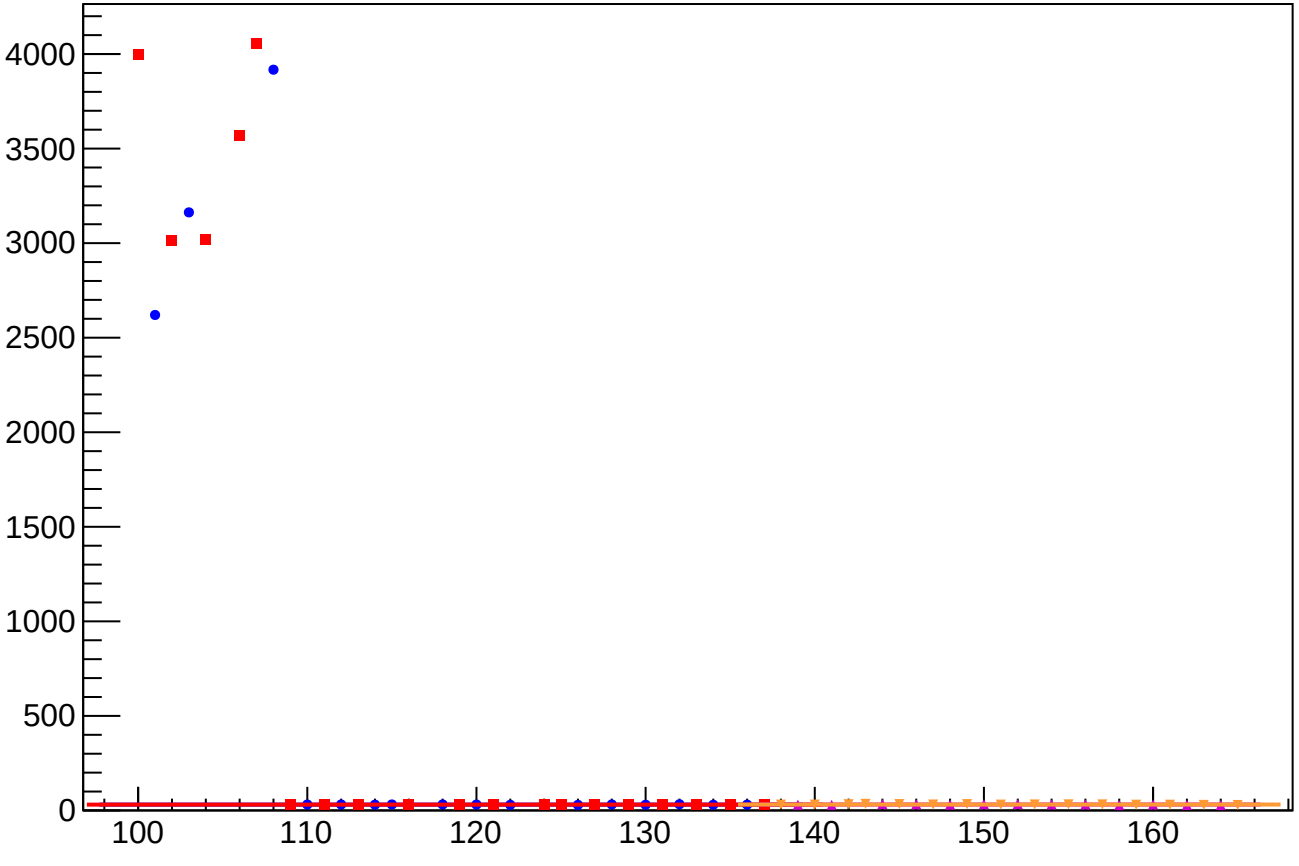
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 11.645+/-7.676 χ^2/NDF:29.5/28

Out: -3.094+/-7.512 χ^2/NDF:46.2/33

All: 4.117+/-5.369 χ^2/NDF: 77.6/62

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: 31.349+/-0.006 χ^2/NDF:56847.3/14

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

Left: 31.327+/-0.005 χ^2/NDF: 131782.7/27

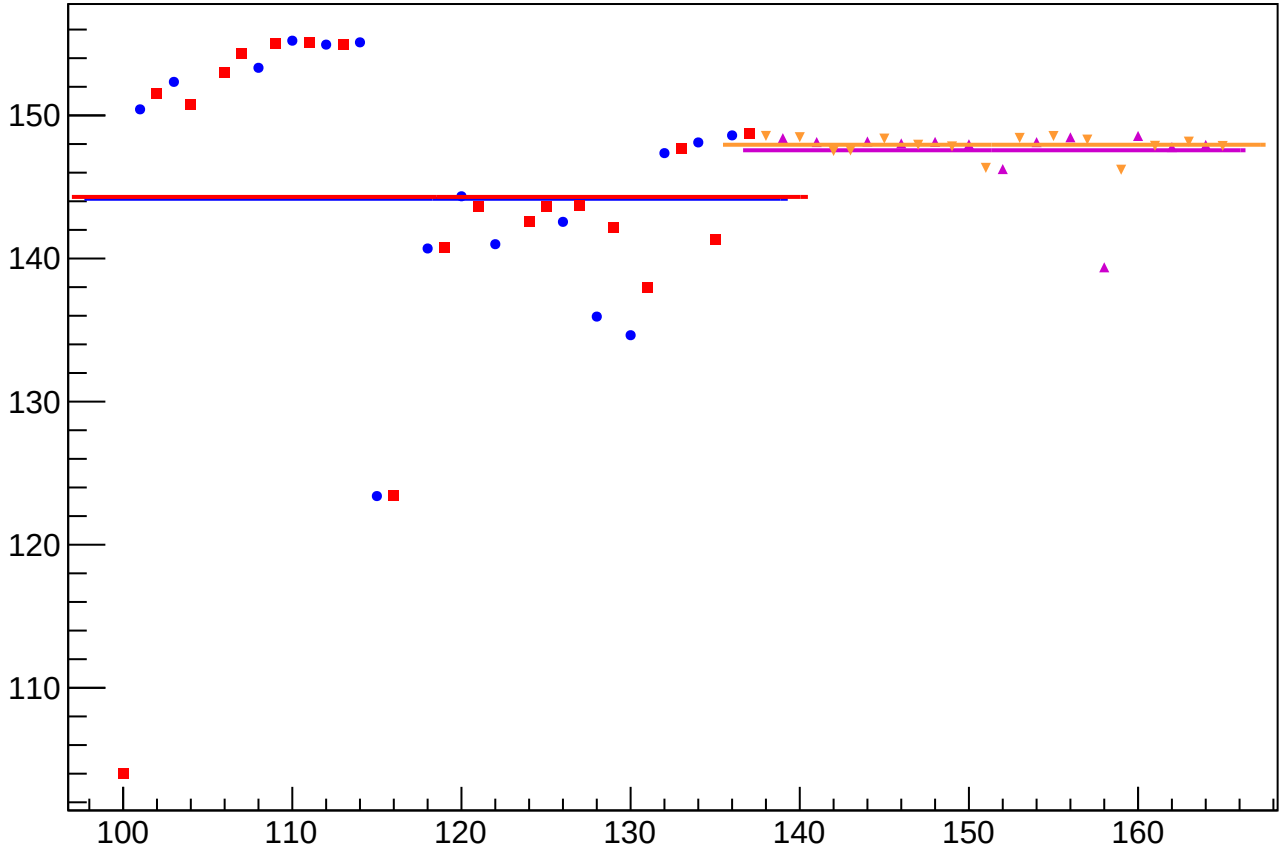
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.174+/-0.005 χ^2/NDF:3328600.2/28

Out: 31.163+/-0.005 χ^2/NDF:3595626.9/33

All: 31.169+/-0.004 χ^2/NDF: 6924229.1/62

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.951+/-0.000 χ^2/NDF:32724865.1/14

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

Left: 147.768+/-0.000 χ^2/NDF: 322548073.5/27

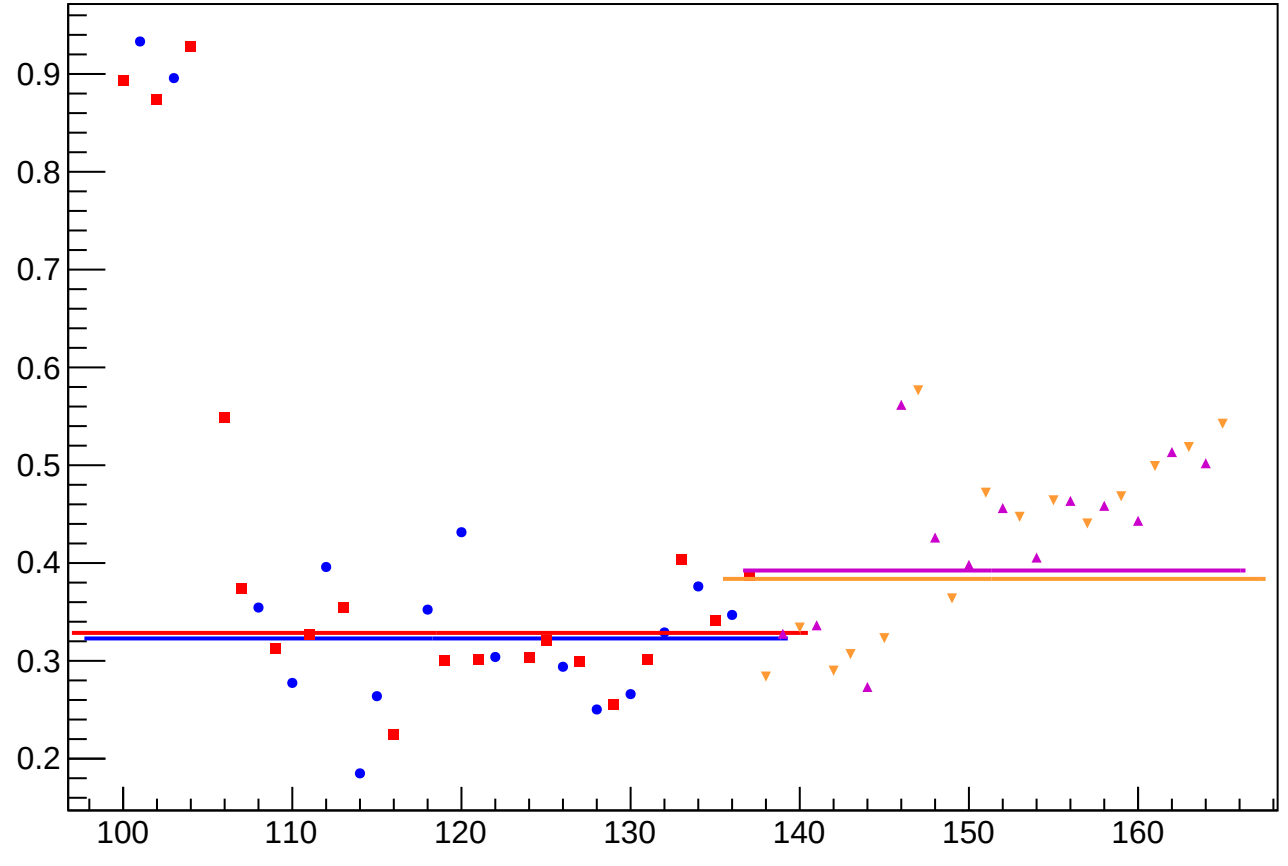
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.983+/-0.000 χ^2/NDF:4358768143.6/28

Out: 146.358+/-0.000 χ^2/NDF:4720068475.8/33

All: 146.176+/-0.000 χ^2/NDF: 9087684151.6

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.384+/-0.000 χ^2/NDF:1149862.2/14

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

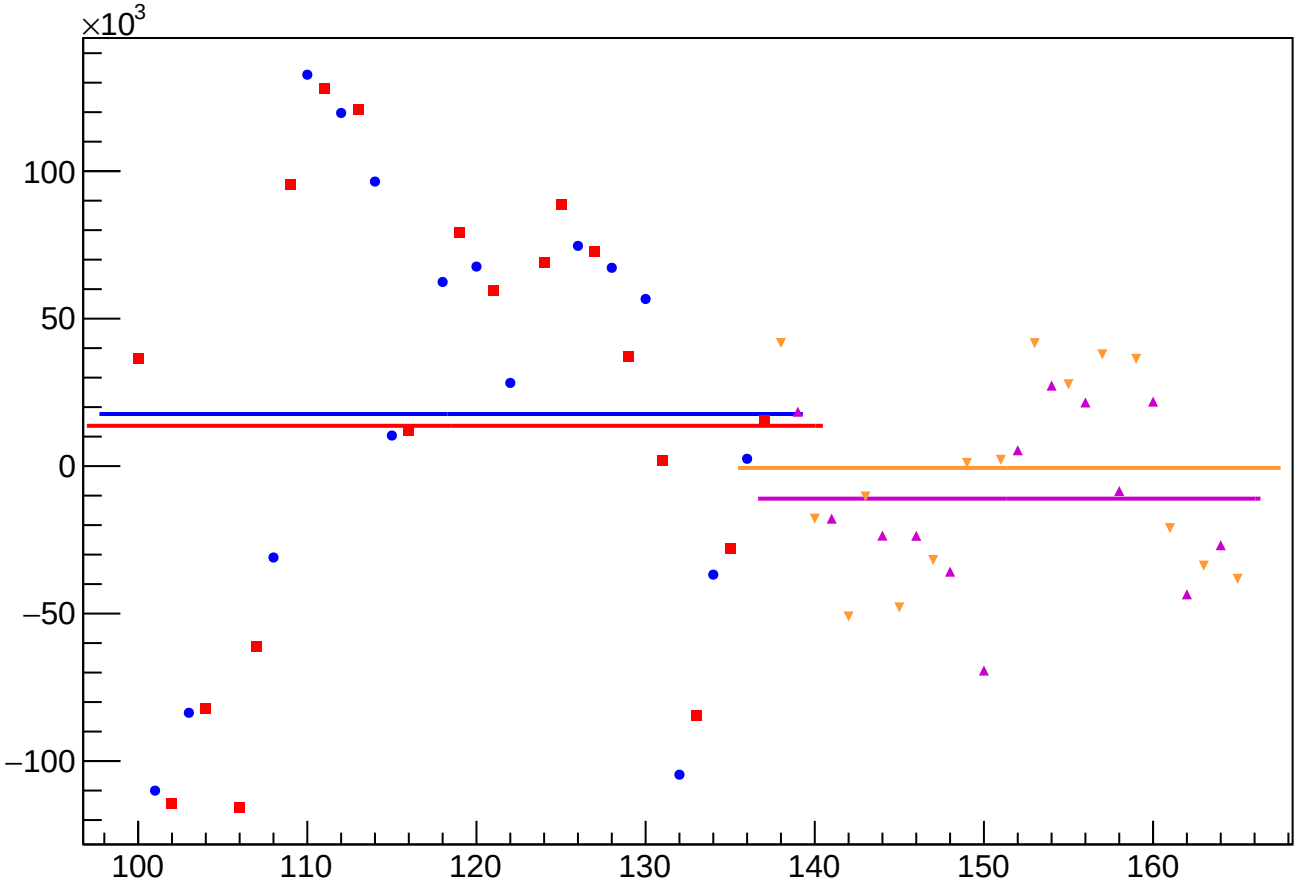
Left: 0.388+/-0.000 χ^2/NDF: 2027939.5/27

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.360+/-0.000 χ^2/NDF:2562944.7/28

Out: 0.360+/-0.000 χ^2/NDF:2648004.3/33

All: 0.360+/-0.000 χ^2/NDF: 5210958.5/62



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -617.701+/-1.432 χ^2/NDF:510240184.6/14

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -11032.865+/-1.497 χ^2/NDF:384706925.5/12

Left: -5594.926+/-1.035 χ^2/NDF: 920233642.8/27

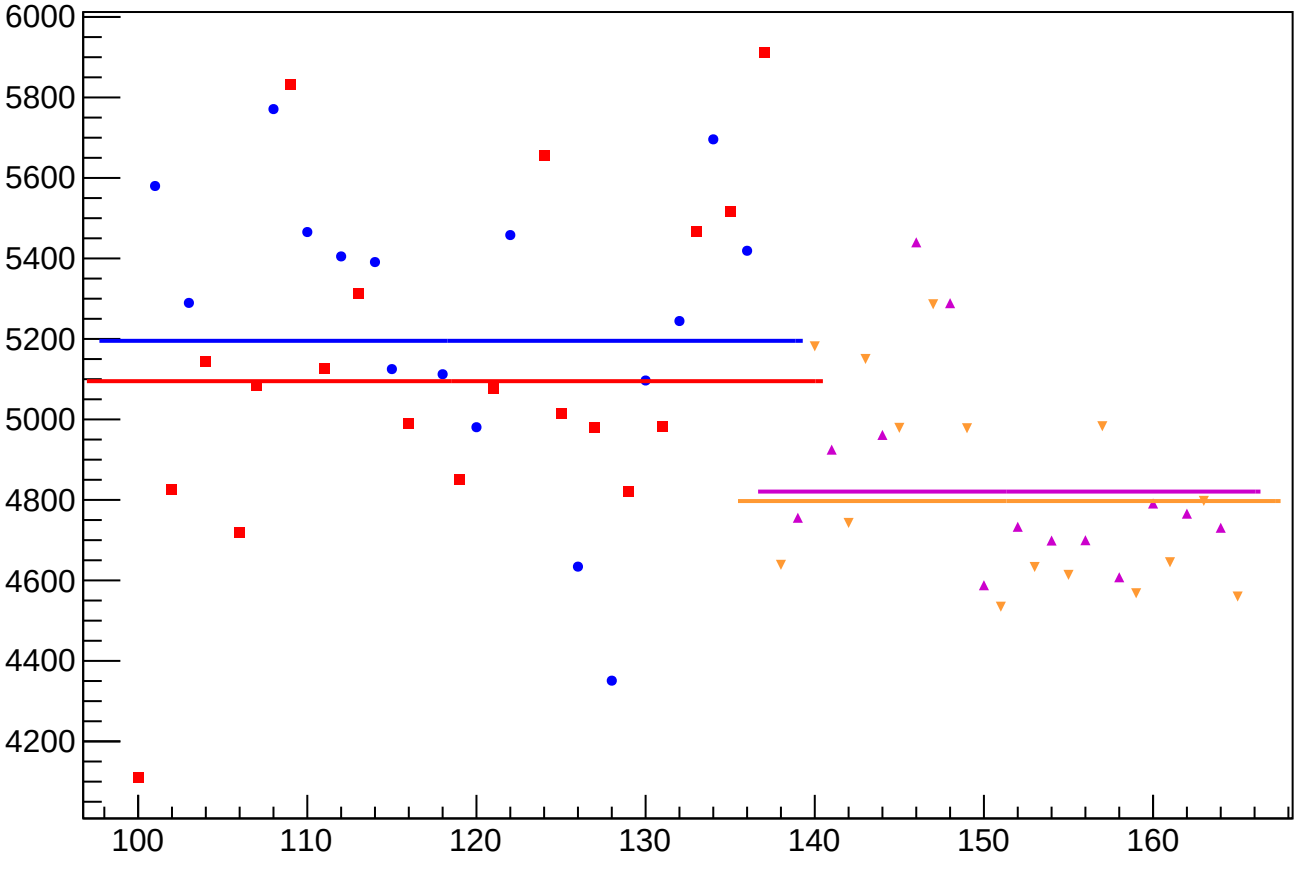
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -768.468+/-1.199 χ^2/NDF:1914954036.6/28

Out: 4470.244+/-1.149 χ^2/NDF:2402654062.6/33

All: 1963.731+/-0.830 χ^2/NDF: 4327557075.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4797.154+/-1.012 χ^2/NDF:55864.8/14

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4820.704+/-1.058 χ^2/NDF:46799.2/12

Left: 4808.408+/-0.732 χ^2/NDF: 102922.5/27

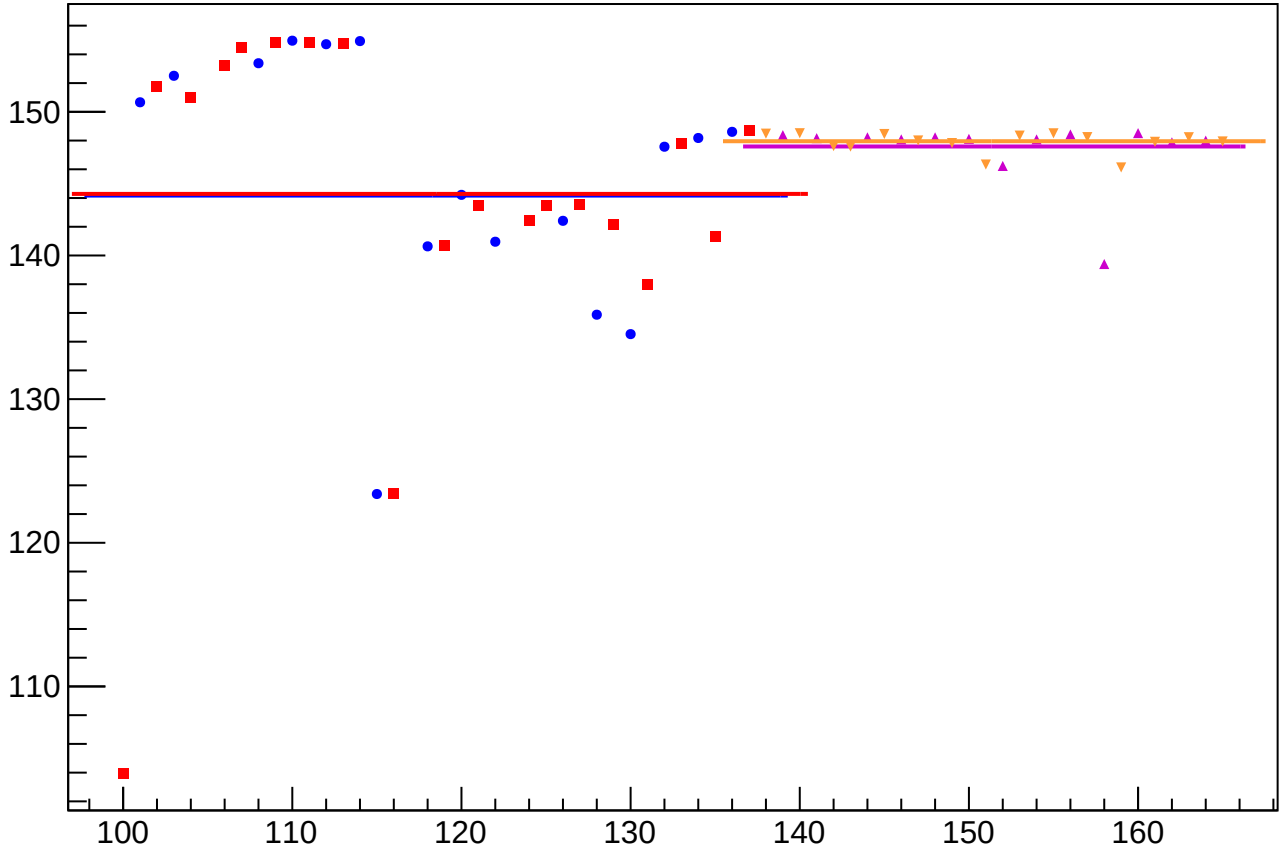
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4954.692+/-0.848 χ^2/NDF:168782.1/28

Out: 4903.263+/-0.812 χ^2/NDF:145814.3/33

All: 4927.870+/-0.587 χ^2/NDF: 316514.1/62

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.954+/-0.000 χ^2/NDF:32790303.4/14

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.588+/-0.000 χ^2/NDF:285822610.8/12

Left: 147.781+/-0.000 χ^2/NDF: 323263556.1/27

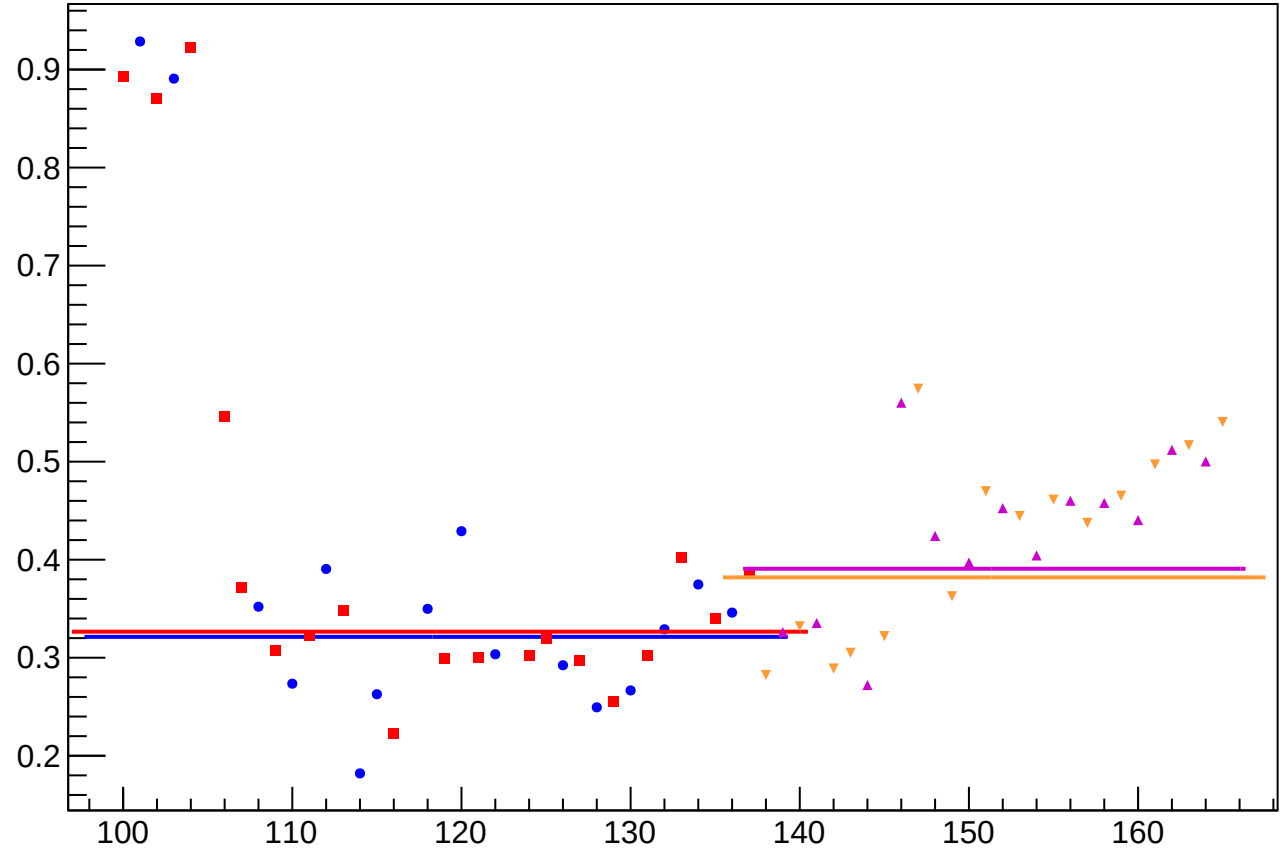
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.992+/-0.000 χ^2/NDF:4409184856.2/28

Out: 146.350+/-0.000 χ^2/NDF:4755529111.6/33

All: 146.176+/-0.000 χ^2/NDF: 9172846791.5

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.382+/-0.000 χ^2/NDF:1150123.0/14

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.391+/-0.000 χ^2/NDF:871956.6/12

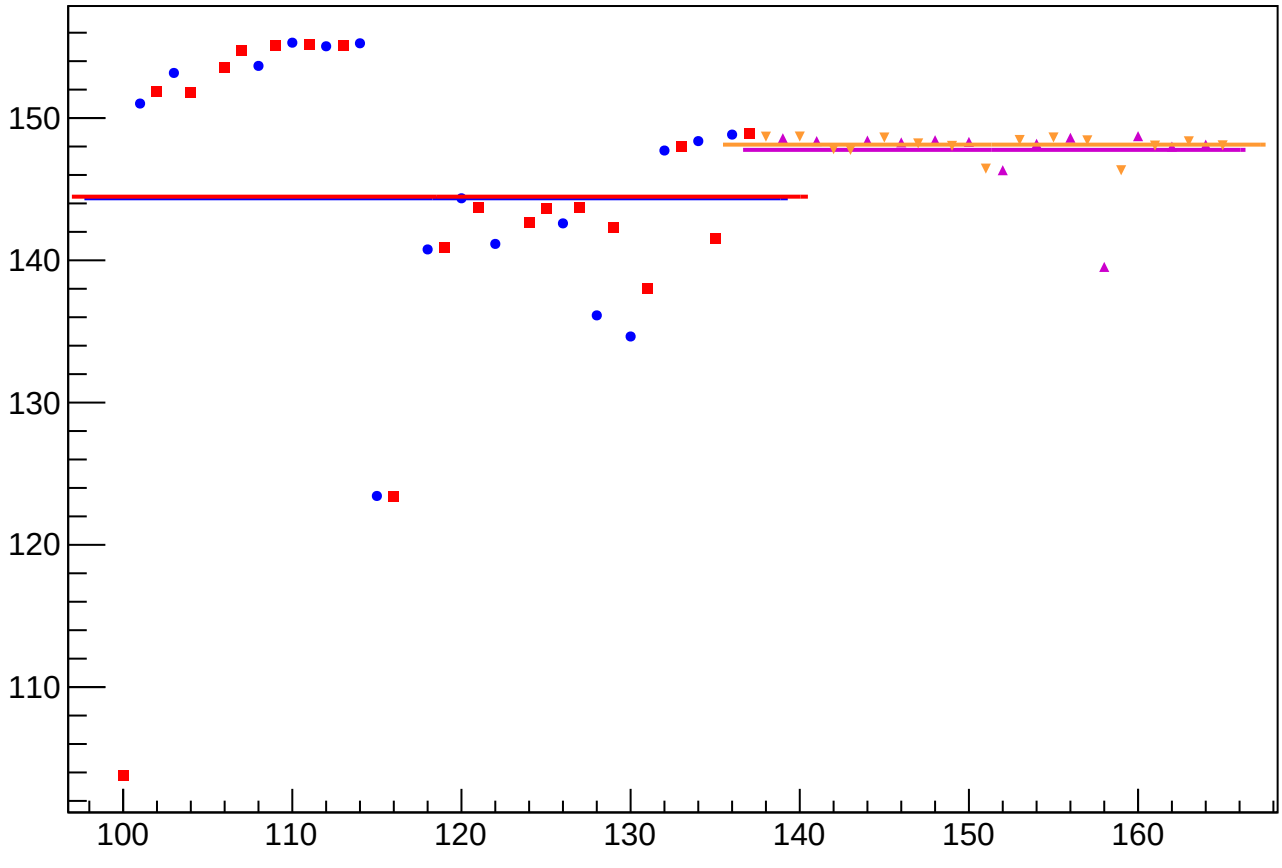
Left: 0.386+/-0.000 χ^2/NDF: 2027499.5/27

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.358+/-0.000 χ^2/NDF:2564808.1/28

Out: 0.358+/-0.000 χ^2/NDF:2650074.5/33

All: 0.358+/-0.000 χ^2/NDF: 5214927.9/62



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.132+/-0.000 χ^2/NDF:32772346.8/14

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.764+/-0.000 χ^2/NDF:290041088.2/12

Left: 147.958+/-0.000 χ^2/NDF: 327465818.7/27

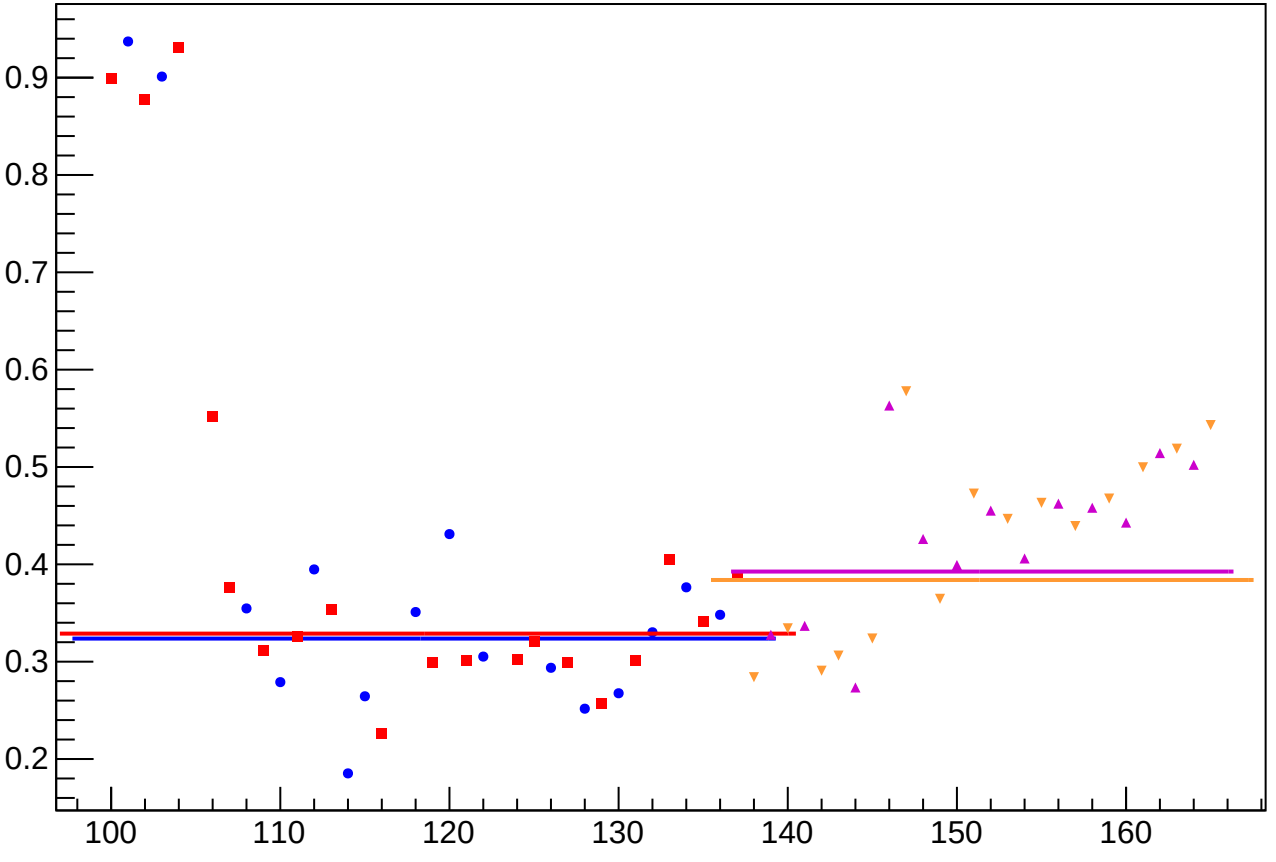
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.179+/-0.000 χ^2/NDF:4400294363.3/28

Out: 146.536+/-0.000 χ^2/NDF:4739738949.3/33

All: 146.363+/-0.000 χ^2/NDF: 9148018942.1

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.384+/-0.000 χ^2/NDF:1147926.2/14

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.393+/-0.000 χ^2/NDF:870613.9/12

Left: 0.388+/-0.000 χ^2/NDF: 2023692.7/27

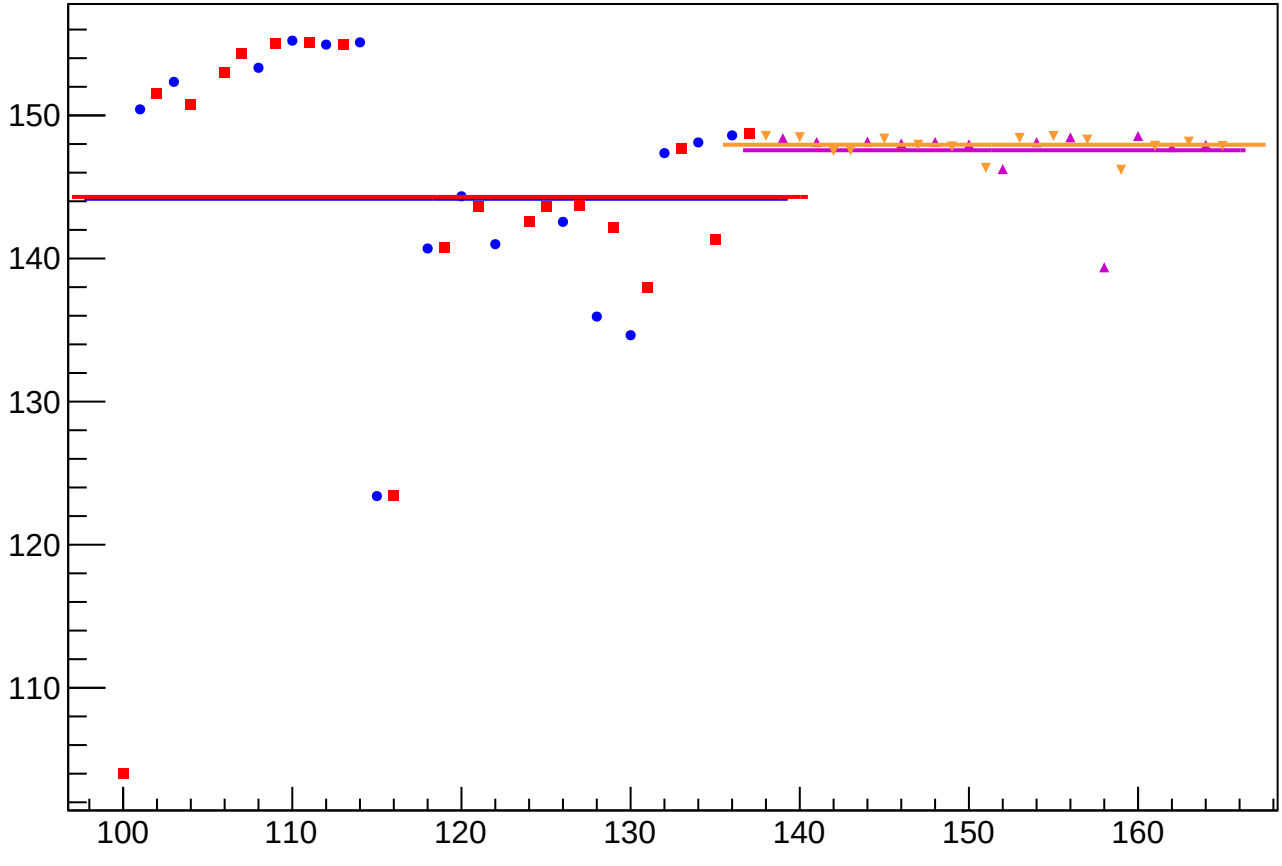
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.361+/-0.000 χ^2/NDF:2550877.6/28

Out: 0.360+/-0.000 χ^2/NDF:2644054.3/33

All: 0.360+/-0.000 χ^2/NDF: 5194981.8/62

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.951+/-0.000 χ^2/NDF:32724865.1/14

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

Left: 147.768+/-0.000 χ^2/NDF: 322548073.5/27

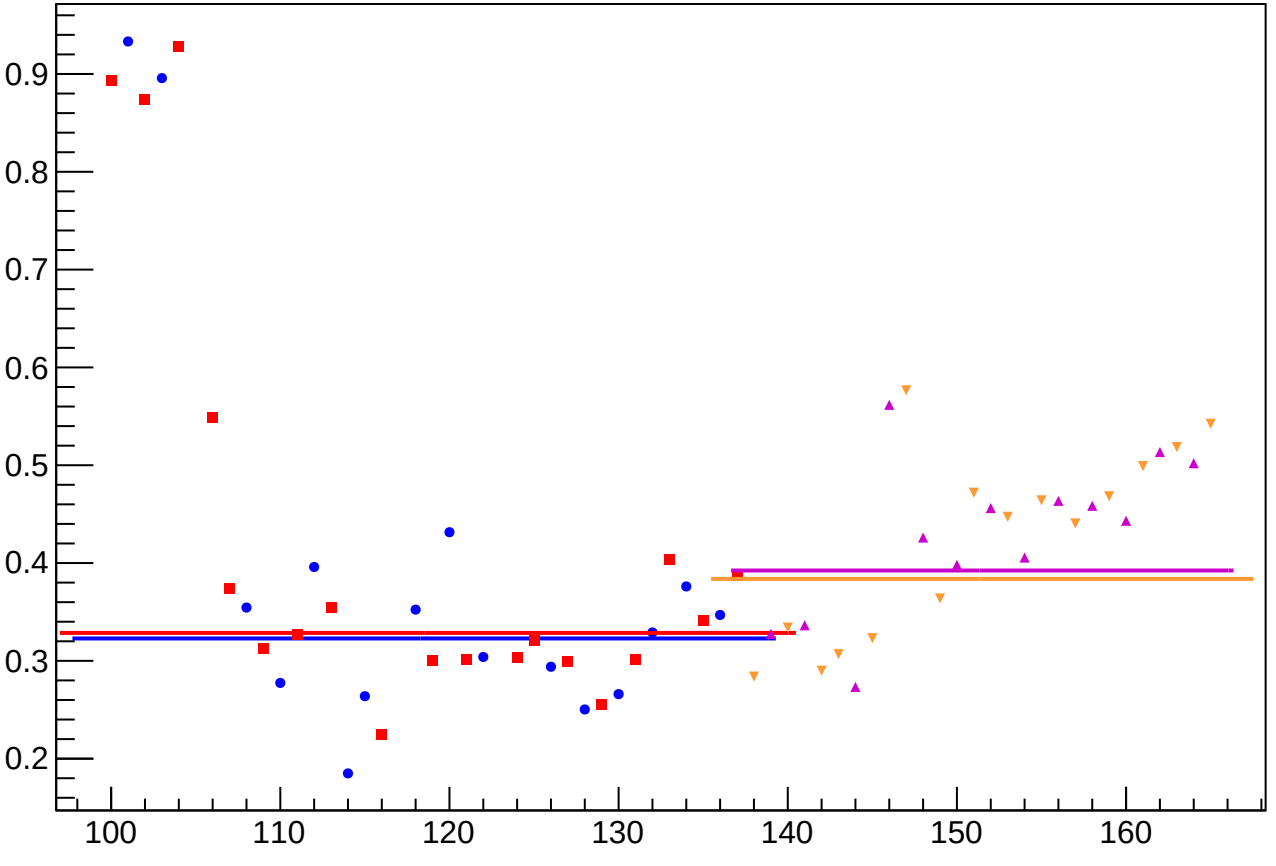
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.983+/-0.000 χ^2/NDF:4358768143.6/28

Out: 146.358+/-0.000 χ^2/NDF:4720068475.8/33

All: 146.176+/-0.000 χ^2/NDF: 9087684151.6

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.384+/-0.000 χ^2/NDF:1149862.2/14

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

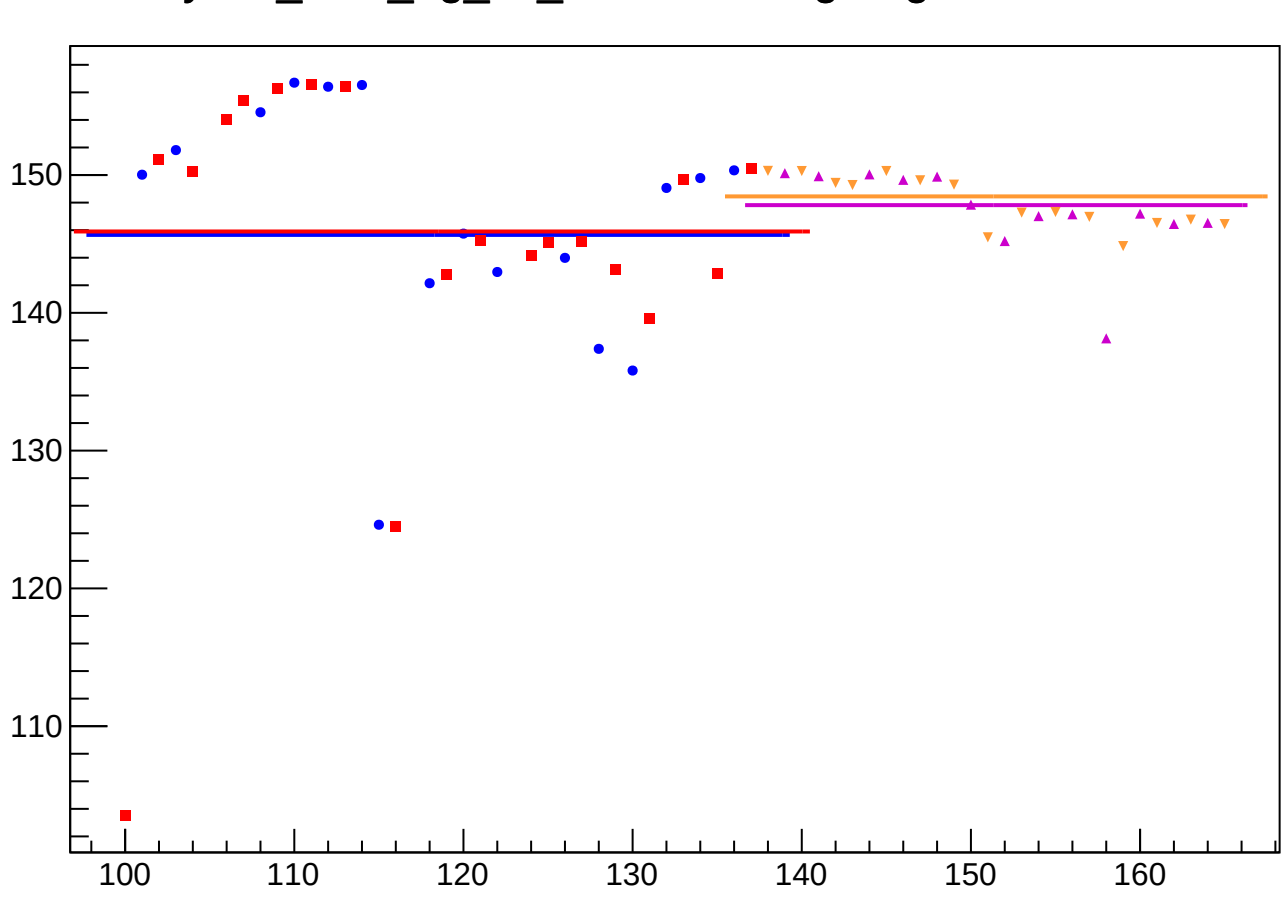
Left: 0.388+/-0.000 χ^2/NDF: 2027939.5/27

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.360+/-0.000 χ^2/NDF:2562944.7/28

Out: 0.360+/-0.000 χ^2/NDF:2648004.3/33

All: 0.360+/-0.000 χ^2/NDF: 5210958.5/62



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.450+/-0.000 χ^2/NDF:213414116.6/14

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.816+/-0.000 χ^2/NDF:528490335.0/12

Left: 148.149+/-0.000 χ^2/NDF: 754680814.0/27

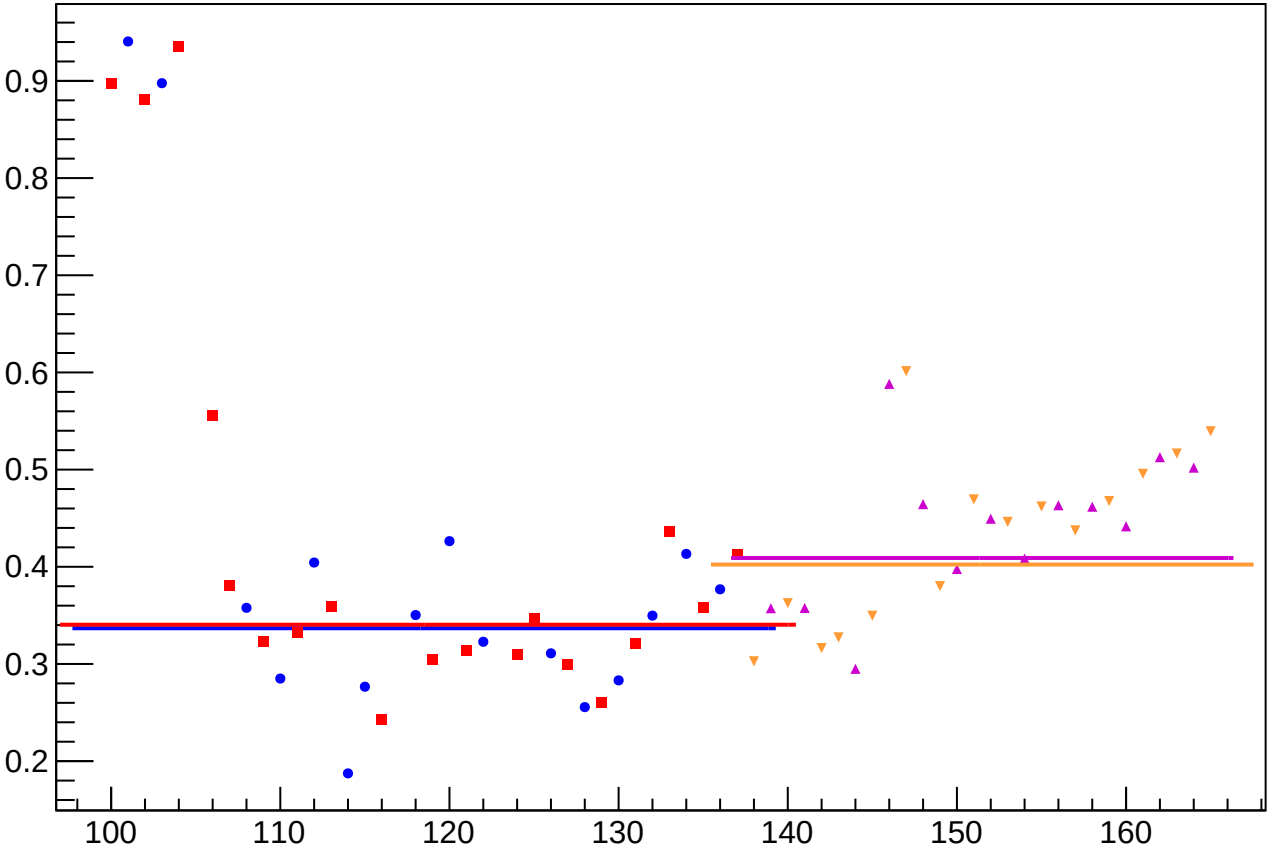
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.814+/-0.000 χ^2/NDF:4141103493.2/28

Out: 147.330+/-0.000 χ^2/NDF:4267260155.7/33

All: 147.079+/-0.000 χ^2/NDF: 8423808819.2

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.402+/-0.000 χ^2/NDF:859294.8/14

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.409+/-0.000 χ^2/NDF:675645.4/12

Left: 0.406+/-0.000 χ^2/NDF: 1537867.6/27

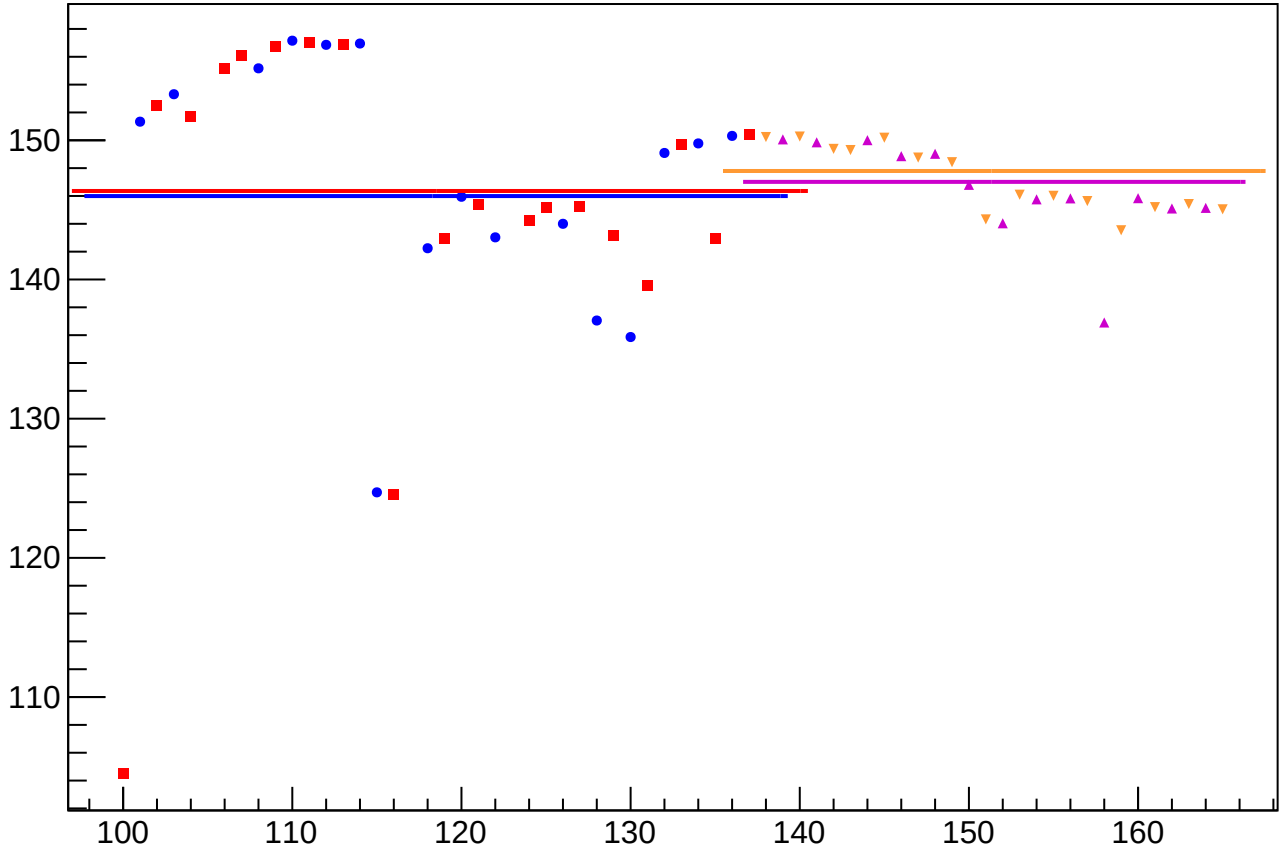
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.376+/-0.000 χ^2/NDF:2340369.3/28

Out: 0.375+/-0.000 χ^2/NDF:2359756.8/33

All: 0.375+/-0.000 χ^2/NDF: 4700151.4/62

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.795+/-0.000 χ^2/NDF:359639533.3/14

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 147.013+/-0.000 χ^2/NDF:692231254.0/12

Left: 147.424+/-0.000 χ^2/NDF: 1071247051.8/27

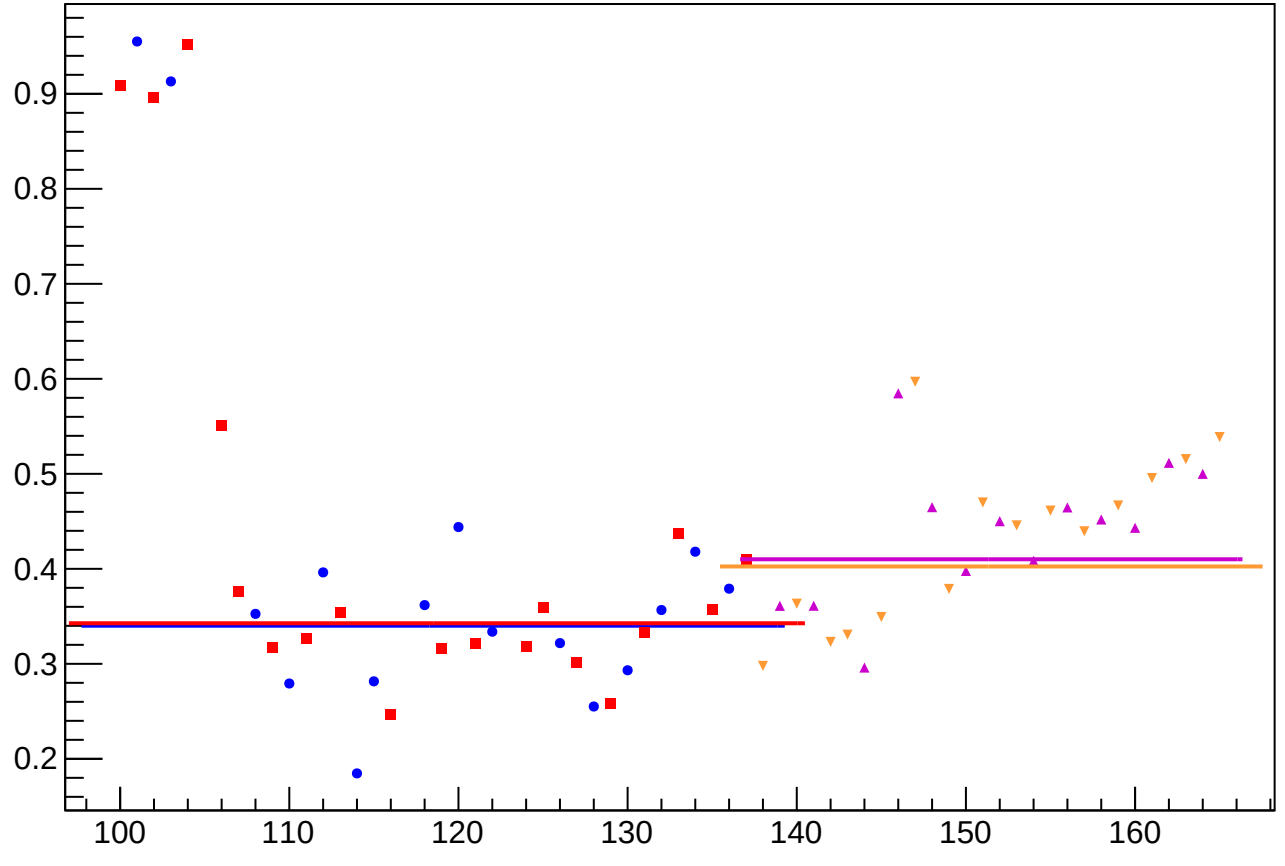
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.544+/-0.000 χ^2/NDF:4342686205.3/28

Out: 147.168+/-0.000 χ^2/NDF:4382900459.6/33

All: 146.865+/-0.000 χ^2/NDF: 8747919120.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.402+/-0.000 χ^2/NDF:852568.3/14

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.410+/-0.000 χ^2/NDF:645329.1/12

Left: 0.406+/-0.000 χ^2/NDF: 1501545.1/27

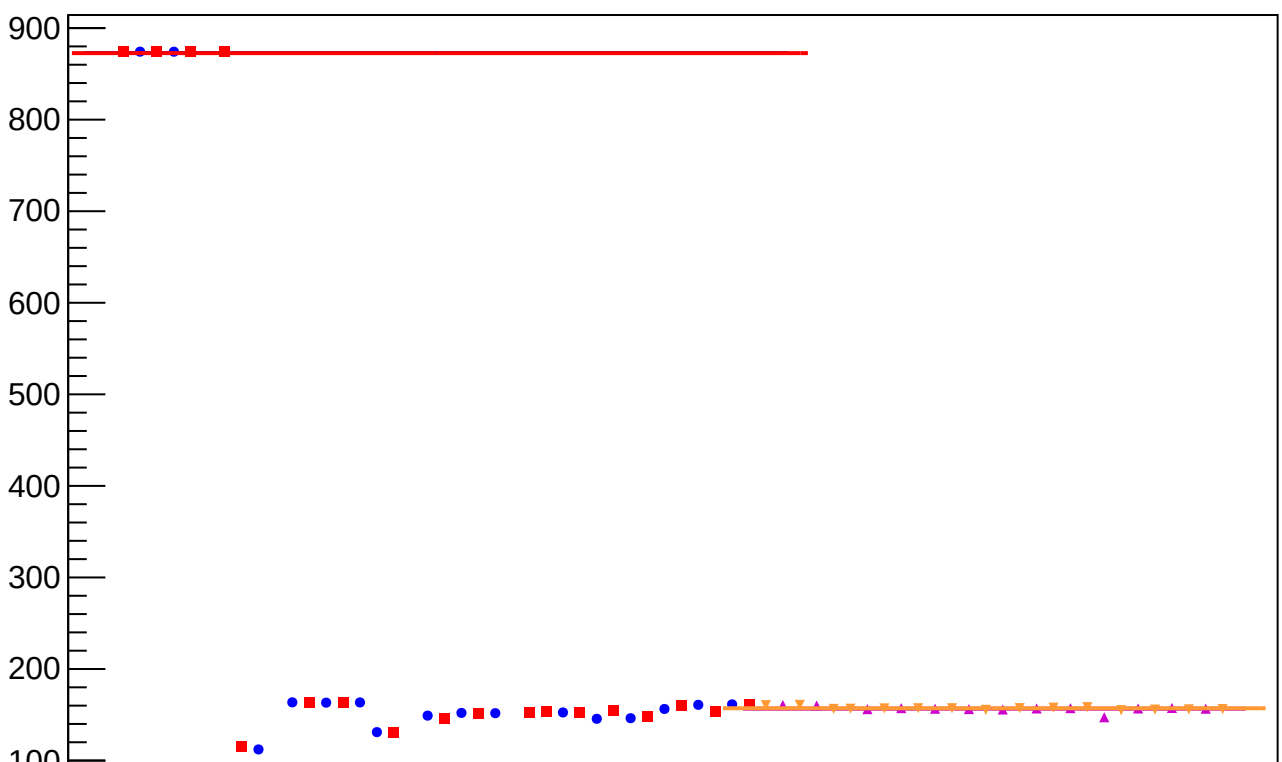
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.378+/-0.000 χ^2/NDF:2309368.2/28

Out: 0.376+/-0.000 χ^2/NDF:2331579.5/33

All: 0.377+/-0.000 χ^2/NDF: 4641229.8/62

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.123+/-0.000 χ^2/NDF:62824777.6/14

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.650+/-0.000 χ^2/NDF:165669810.0/12

Left: 156.896+/-0.000 χ^2/NDF: 230712458.0/27

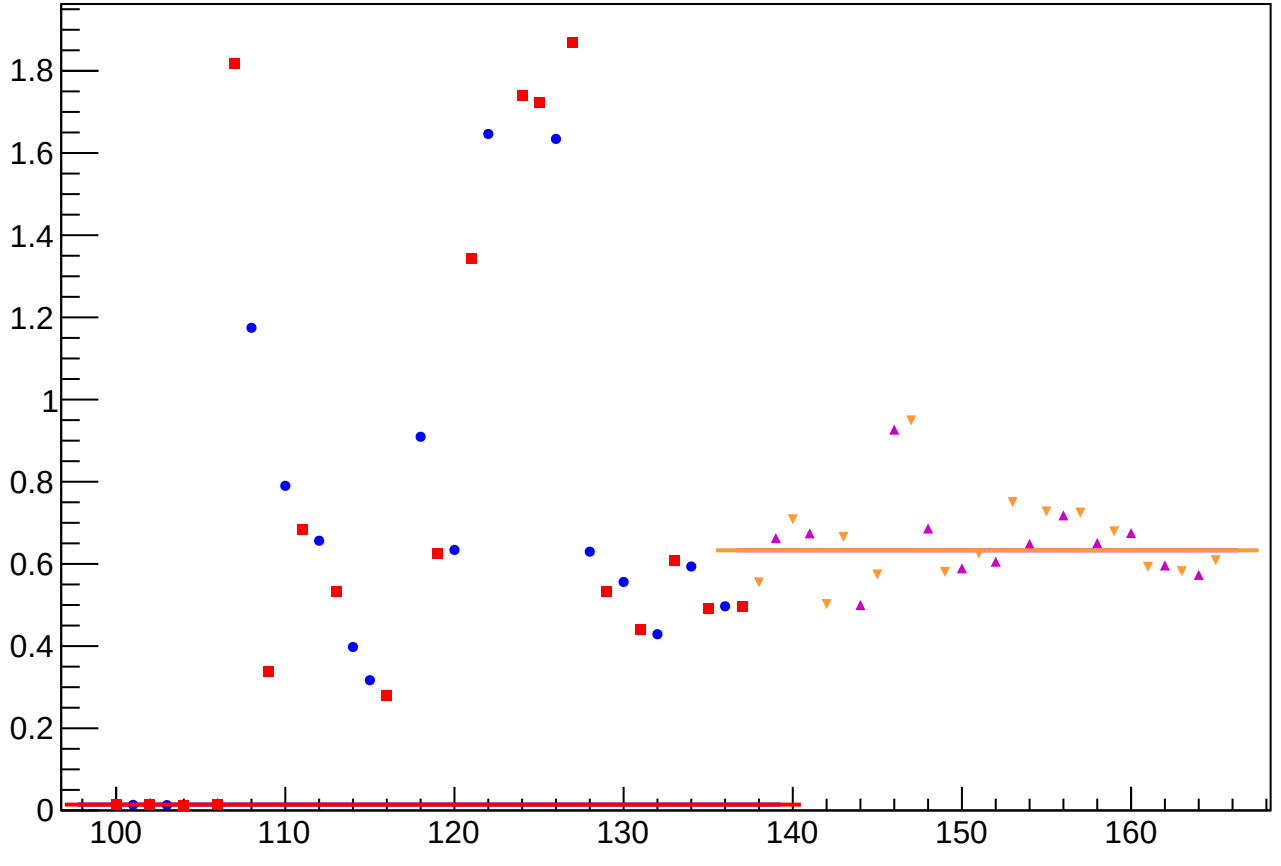
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.911+/-0.000 χ^2/NDF:16942745015472.4/2

Out: 870.879+/-0.000 χ^2/NDF:19723570312935.5

All: 870.894+/-0.000 χ^2/NDF: 36666319297

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.633+/-0.000 χ^2/NDF:301498.6/14

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.633+/-0.000 χ^2/NDF:243397.9/12

Left: 0.633+/-0.000 χ^2/NDF: 544896.5/27

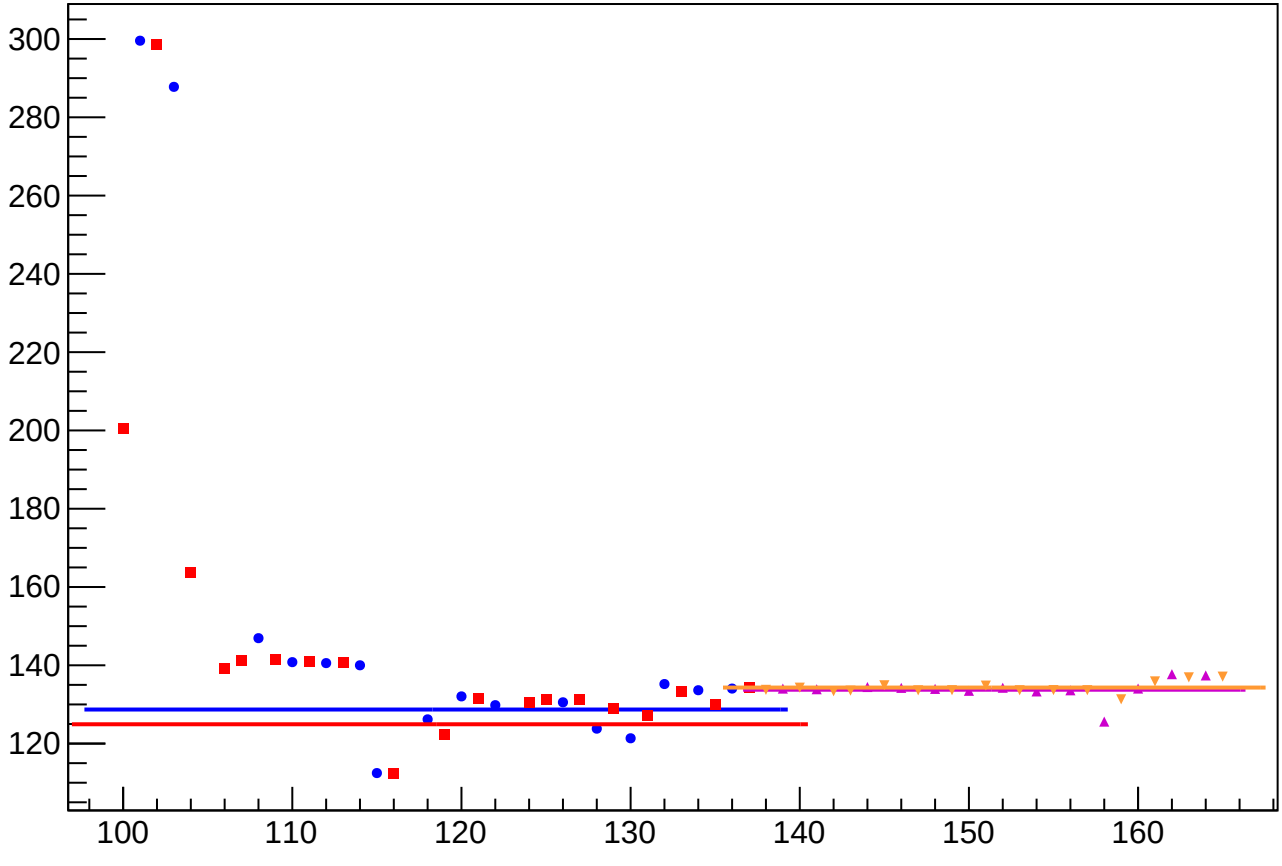
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:24422760.3/28

Out: 0.016+/-0.000 χ^2/NDF:25506798.4/33

All: 0.016+/-0.000 χ^2/NDF: 49929990.5/62

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.312+/-0.000 χ^2/NDF:101076898.2/14

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.760+/-0.000 χ^2/NDF:358584209.9/12

Left: 134.052+/-0.000 χ^2/NDF: 466550252.3/27

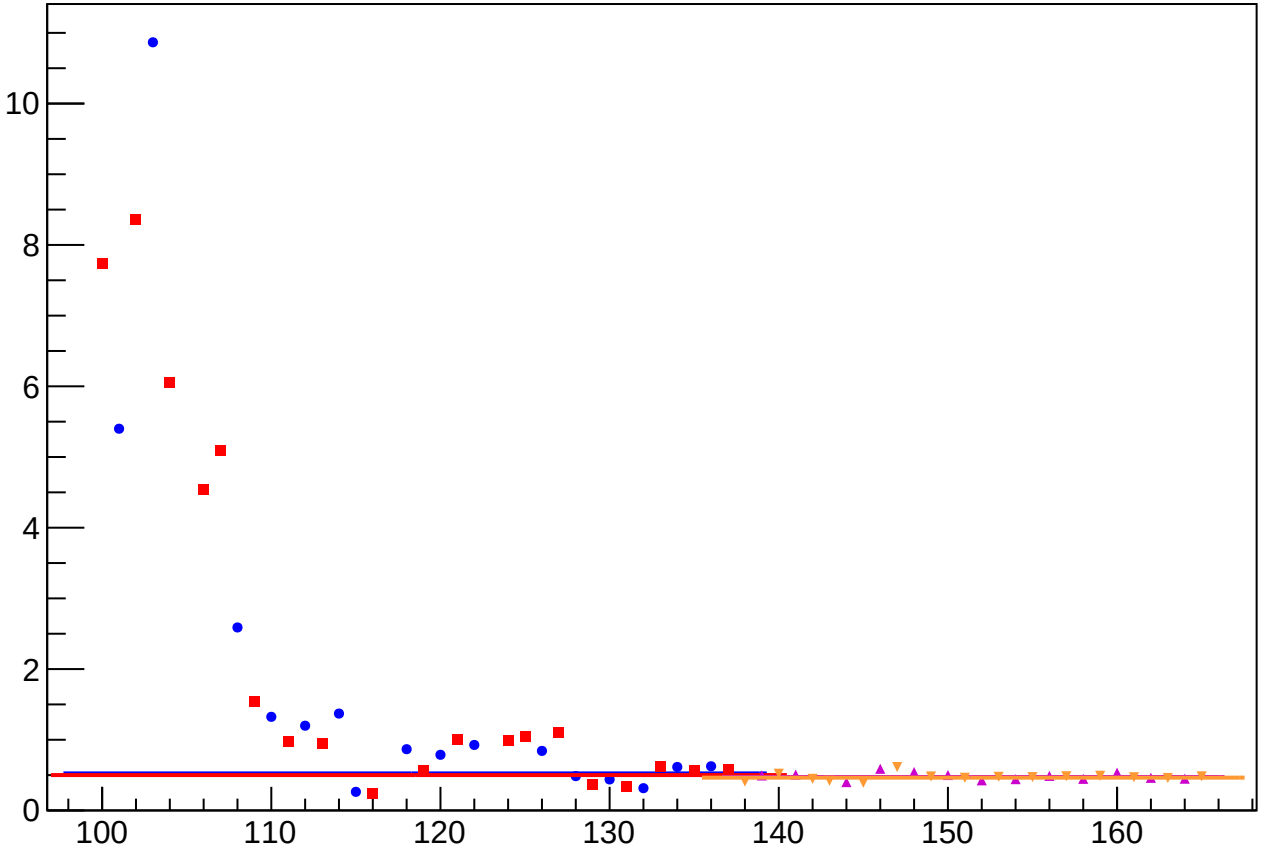
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.556+/-0.000 χ^2/NDF:2275504754.3/28

Out: 132.193+/-0.000 χ^2/NDF:2453835844.2/33

All: 132.366+/-0.000 χ^2/NDF: 4733226456.8

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.464+/-0.000 χ^2/NDF:197000.1/14

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.473+/-0.000 χ^2/NDF:214127.8/12

Left: 0.468+/-0.000 χ^2/NDF: 414651.3/27

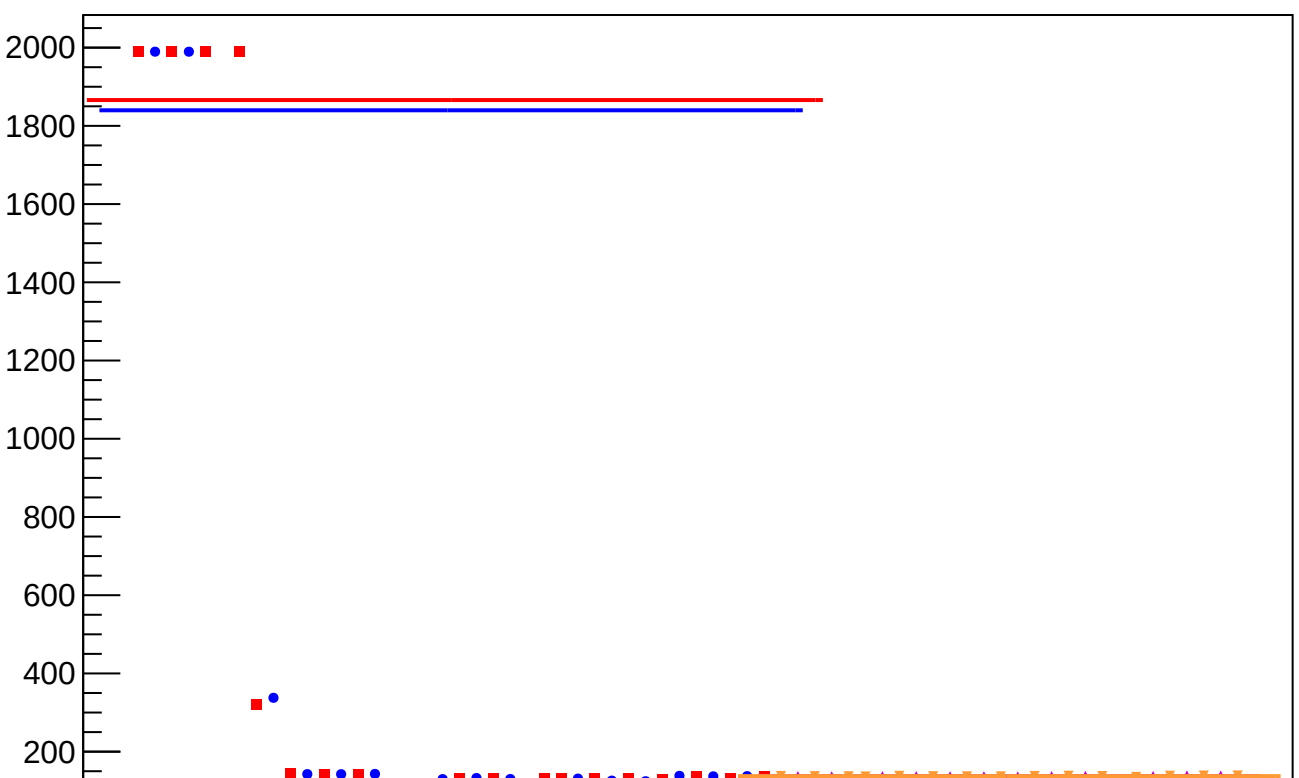
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.485+/-0.000 χ^2/NDF:4405339.8/28

Out: 0.472+/-0.000 χ^2/NDF:5109621.2/33

All: 0.479+/-0.000 χ^2/NDF: 9524553.1/62

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.427+/-0.000 χ^2/NDF:55466981.3/14

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.166+/-0.000 χ^2/NDF:225536109.9/12

Left: 137.304+/-0.000 χ^2/NDF: 283224395.4/27

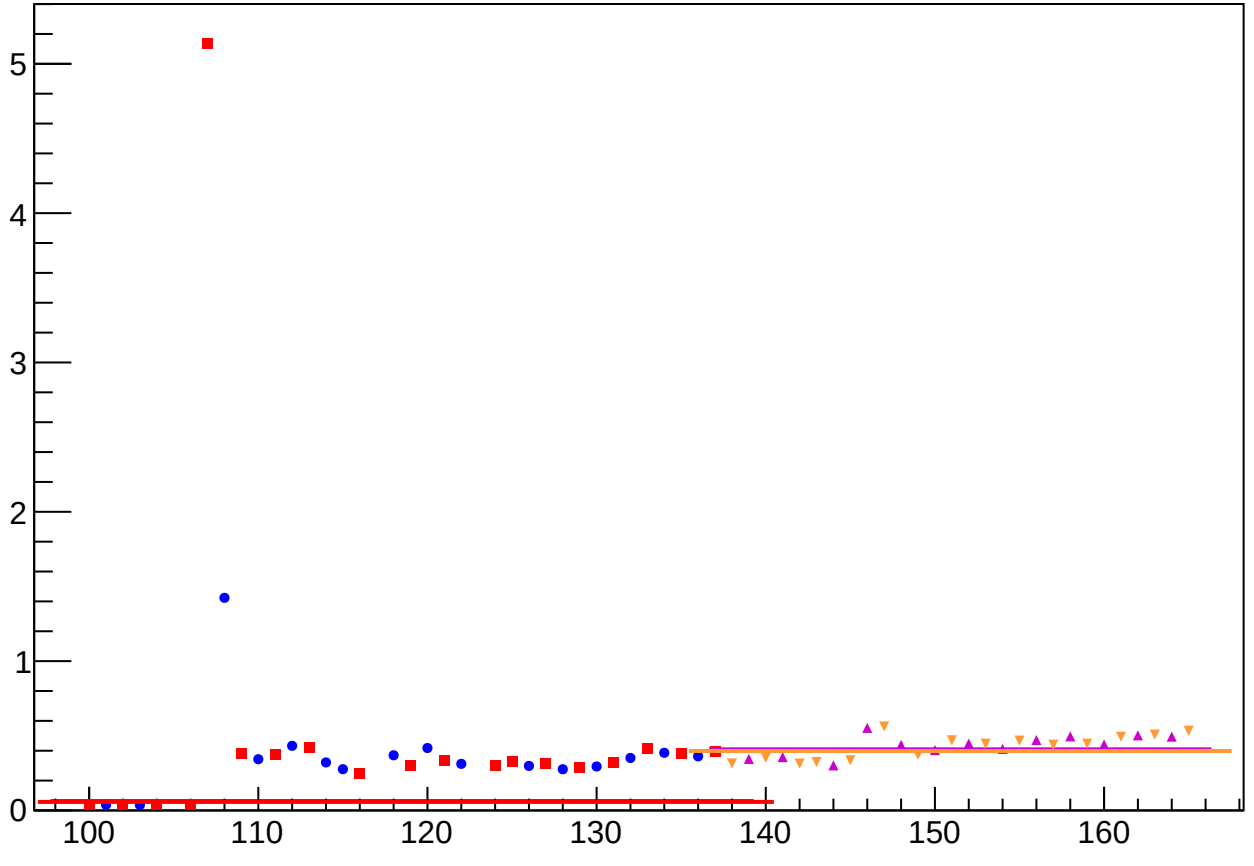
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1675.197+/-0.000 χ^2/NDF:305736197275837.

Out: 1703.652+/-0.000 χ^2/NDF:32960886859960

All: 1690.503+/-0.000 χ^2/NDF: 6356200461

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.398+/-0.000 χ^2/NDF:804995.4/14

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.409+/-0.000 χ^2/NDF:622743.3/12

Left: 0.403+/-0.000 χ^2/NDF: 1435343.2/27

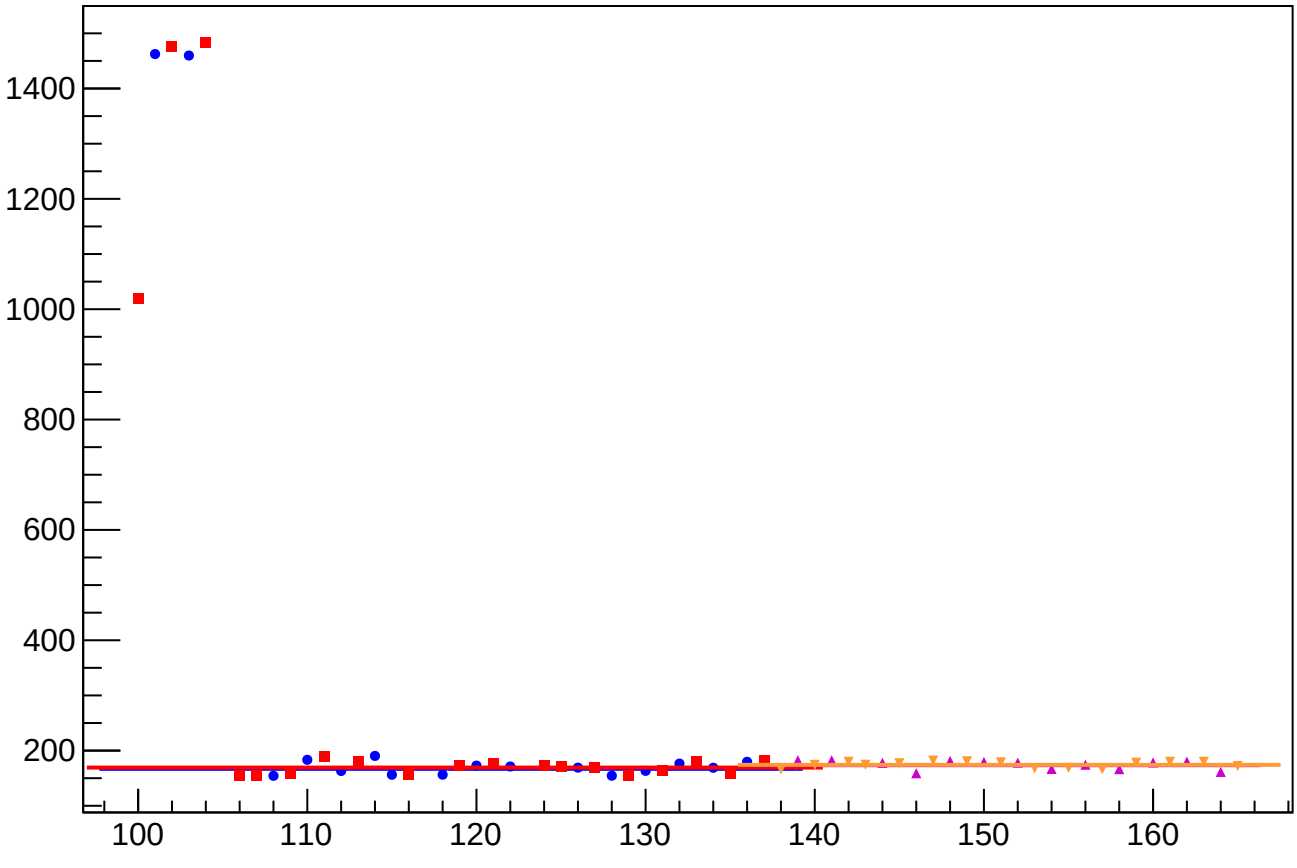
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.095+/-0.000 χ^2/NDF:22106191.2/28

Out: 0.089+/-0.000 χ^2/NDF:23096987.7/33

All: 0.092+/-0.000 χ^2/NDF: 45227967.3/62

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.163+/-0.000 χ^2/NDF:308665350.0/14

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 173.590+/-0.000 χ^2/NDF:643840116.0/12

Left: 173.889+/-0.000 χ^2/NDF: 954160947.5/27

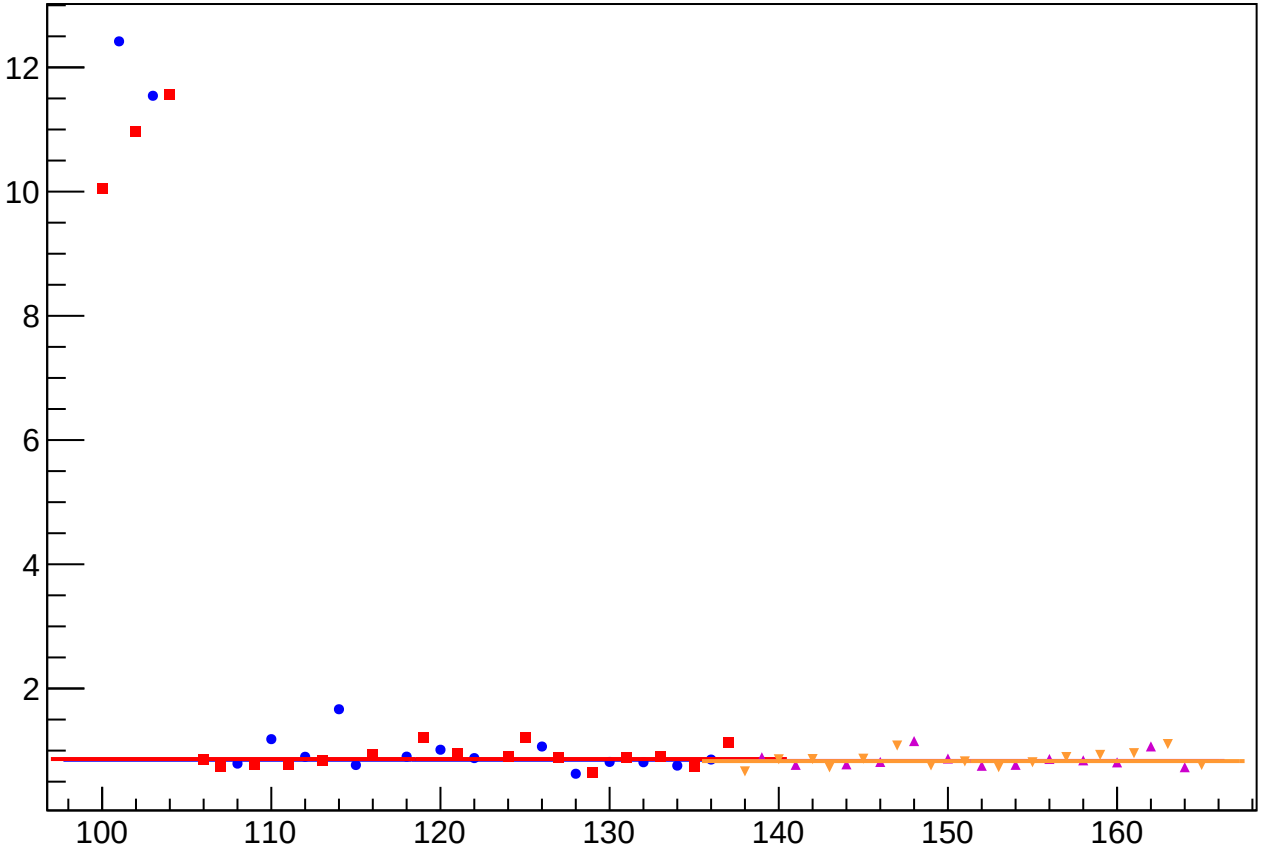
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.263+/-0.000 χ^2/NDF:15406604188.1/28

Out: 172.489+/-0.000 χ^2/NDF:16712604293.8/33

All: 171.896+/-0.000 χ^2/NDF: 32130828634.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.831+/-0.000 χ^2/NDF:269731.4/14

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:195985.7/12

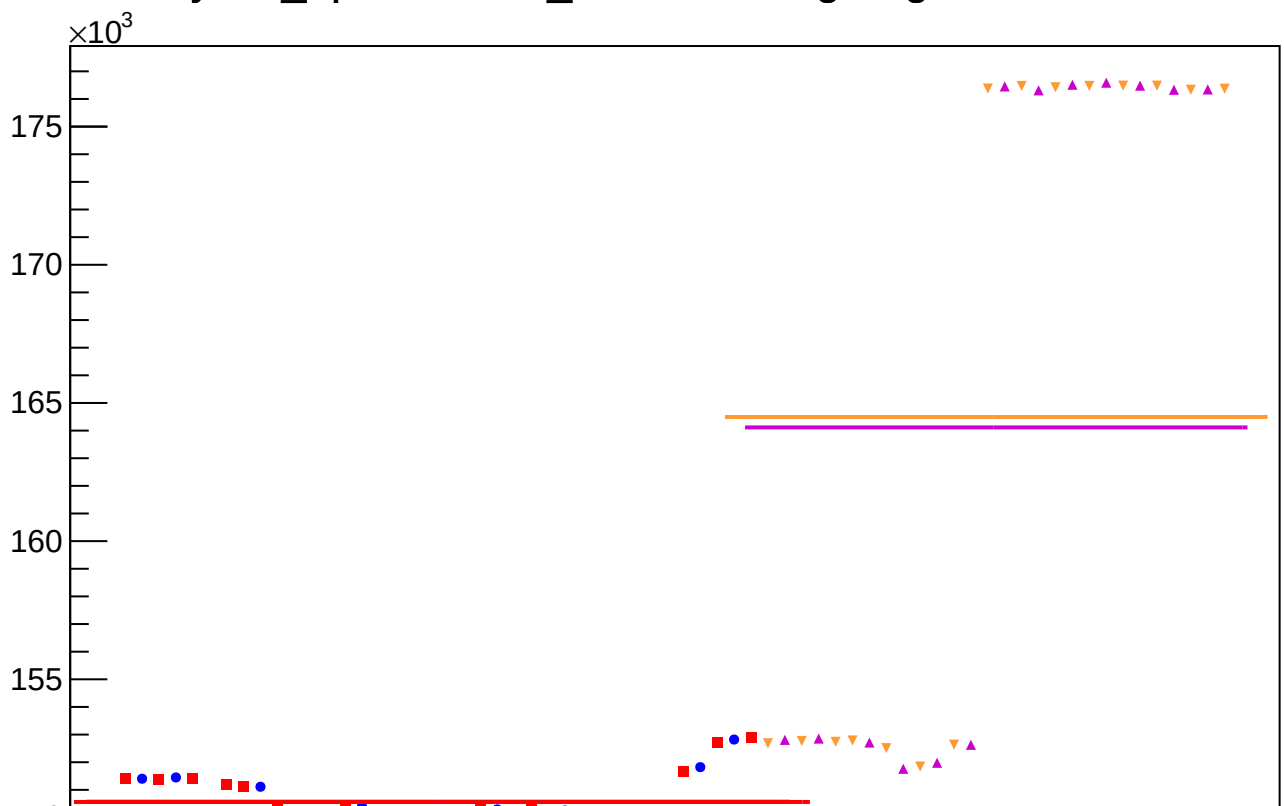
Left: 0.832+/-0.000 χ^2/NDF: 465786.9/27

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.841+/-0.000 χ^2/NDF:2500808.2/28

Out: 0.842+/-0.000 χ^2/NDF:2486865.4/33

All: 0.842+/-0.000 χ^2/NDF: 4987728.4/62



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164491.500+/-0.054 χ^2/NDF:48452443763.7/14

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

Left: 164312.984+/-0.039 χ^2/NDF: 92393324314.4

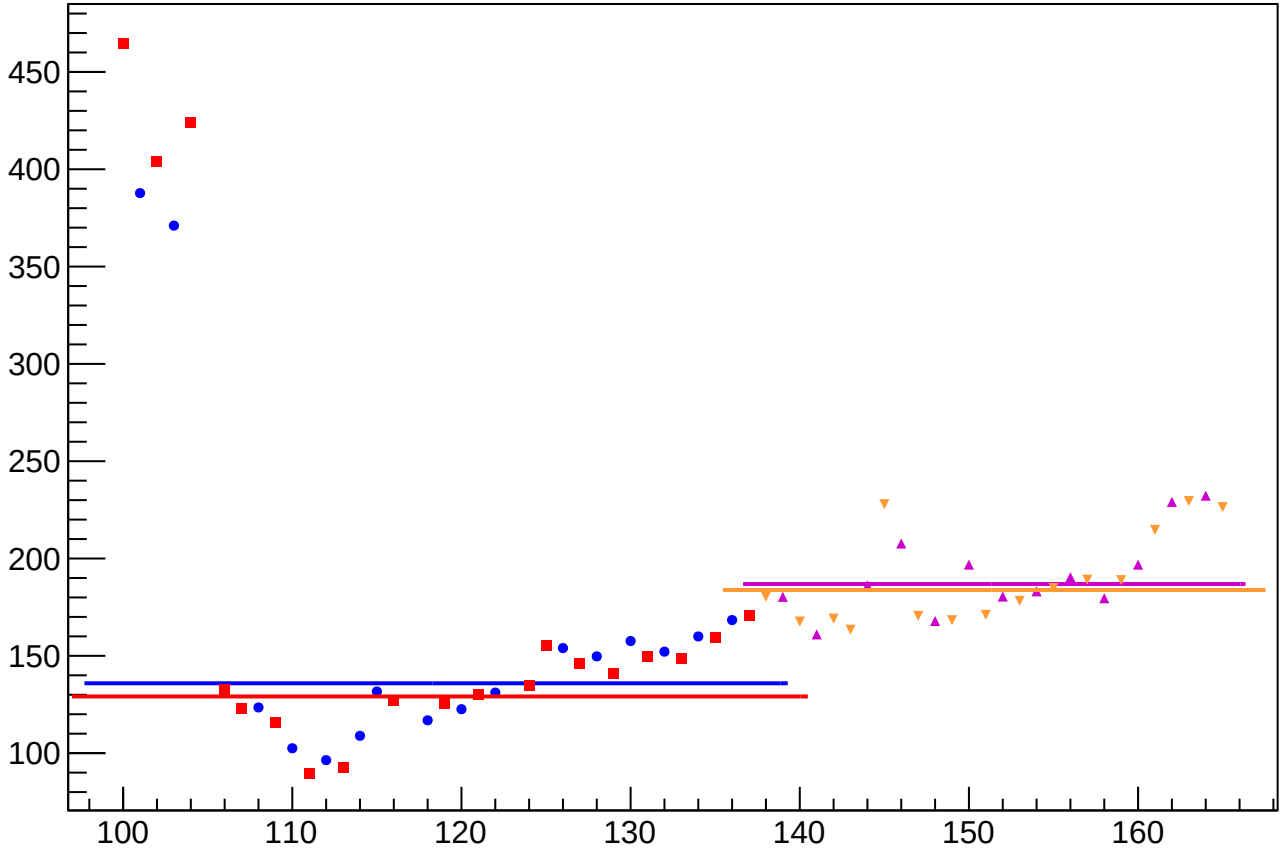
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 157033.423+/-0.039 χ^2/NDF:73519209307.9/2

Out: 157095.417+/-0.037 χ^2/NDF:83666983166.2

All: 157066.308+/-0.027 χ^2/NDF: 15718750

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 183.848+/-0.038 χ^2/NDF:287994.3/14

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

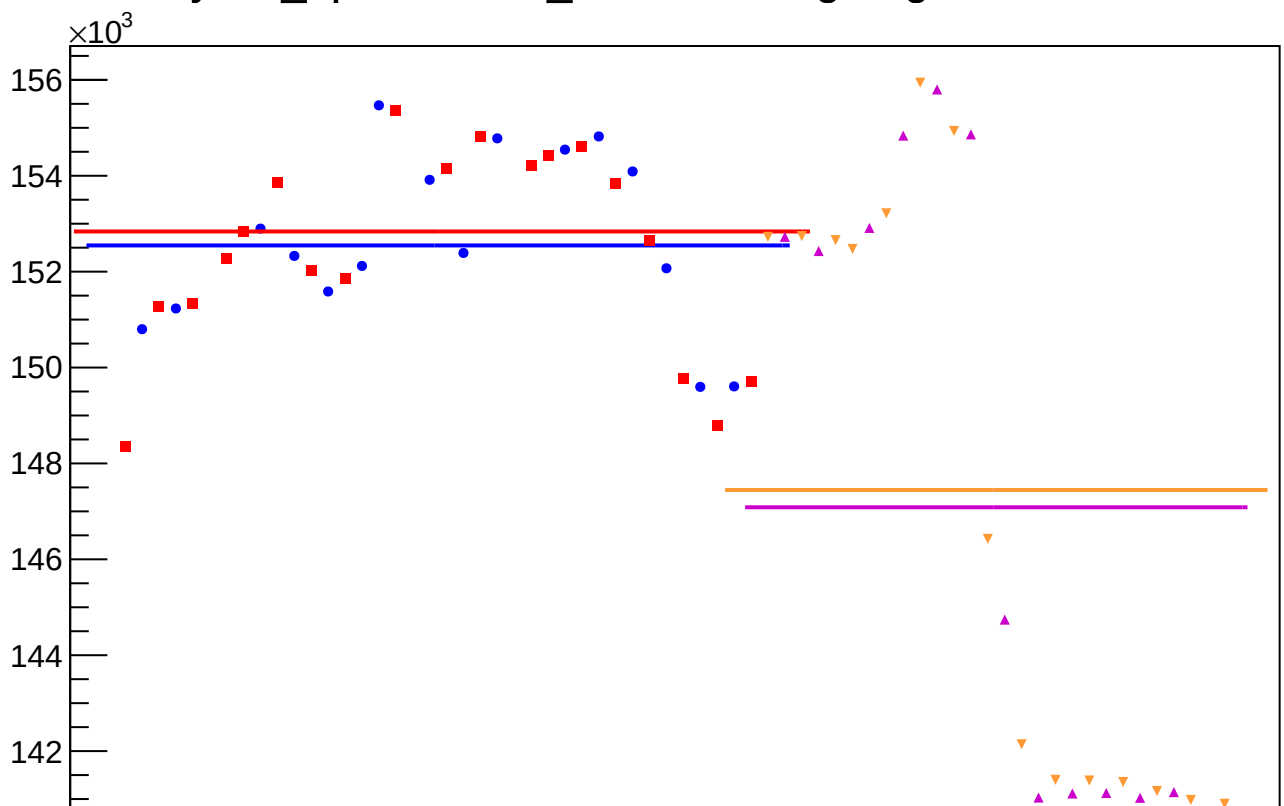
Left: 185.296+/-0.028 χ^2/NDF: 491650.6/27

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 160.239+/-0.028 χ^2/NDF:2449682.3/28

Out: 154.795+/-0.026 χ^2/NDF:2982901.7/33

All: 157.352+/-0.019 χ^2/NDF: 5452750.2/62



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147446.699+/-0.060 χ^2/NDF:9435898810.4/14

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

Left: 147273.915+/-0.043 χ^2/NDF: 19010577724.1

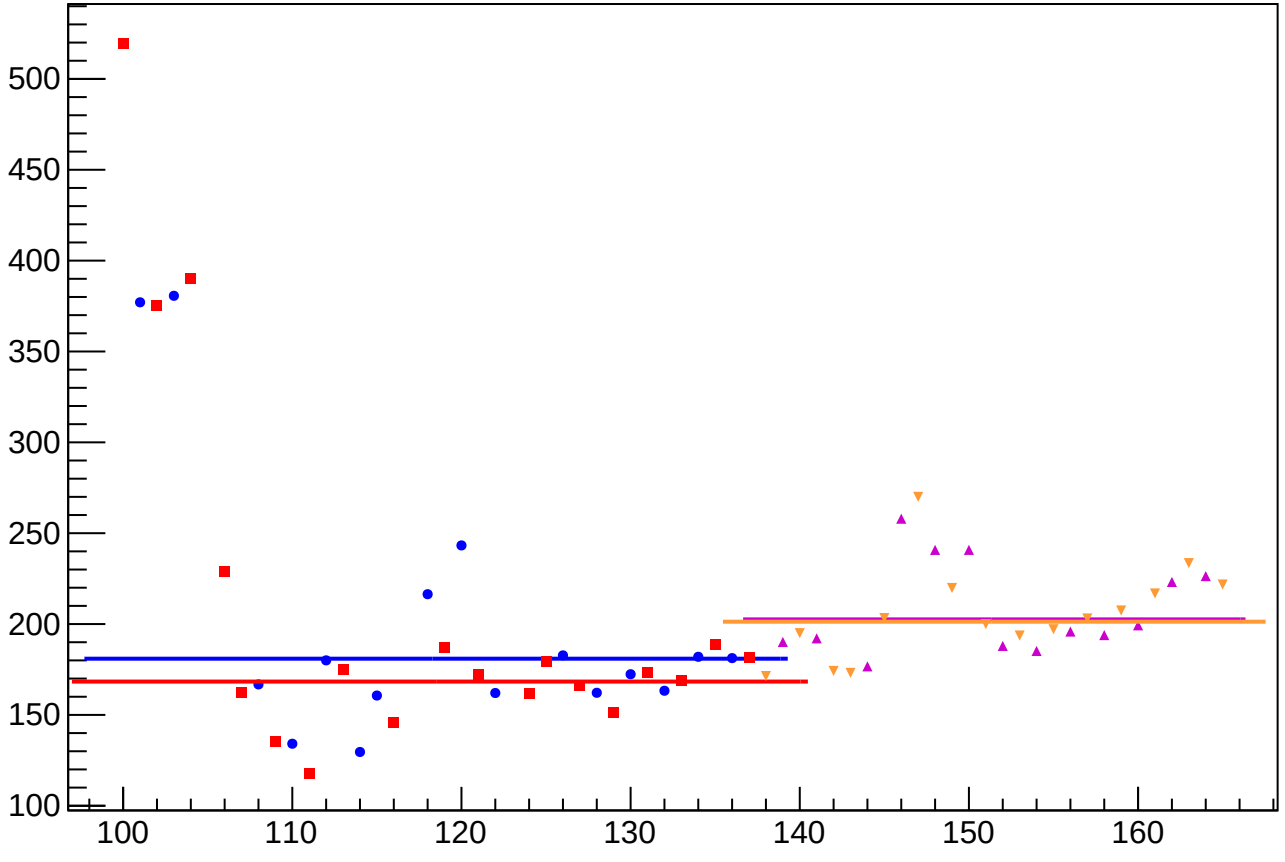
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149397.874+/-0.047 χ^2/NDF:13473209087.6/2

Out: 149841.048+/-0.044 χ^2/NDF:13808753365.6

All: 149633.112+/-0.032 χ^2/NDF: 27328657

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 201.303+/-0.042 χ^2/NDF:283412.0/14

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

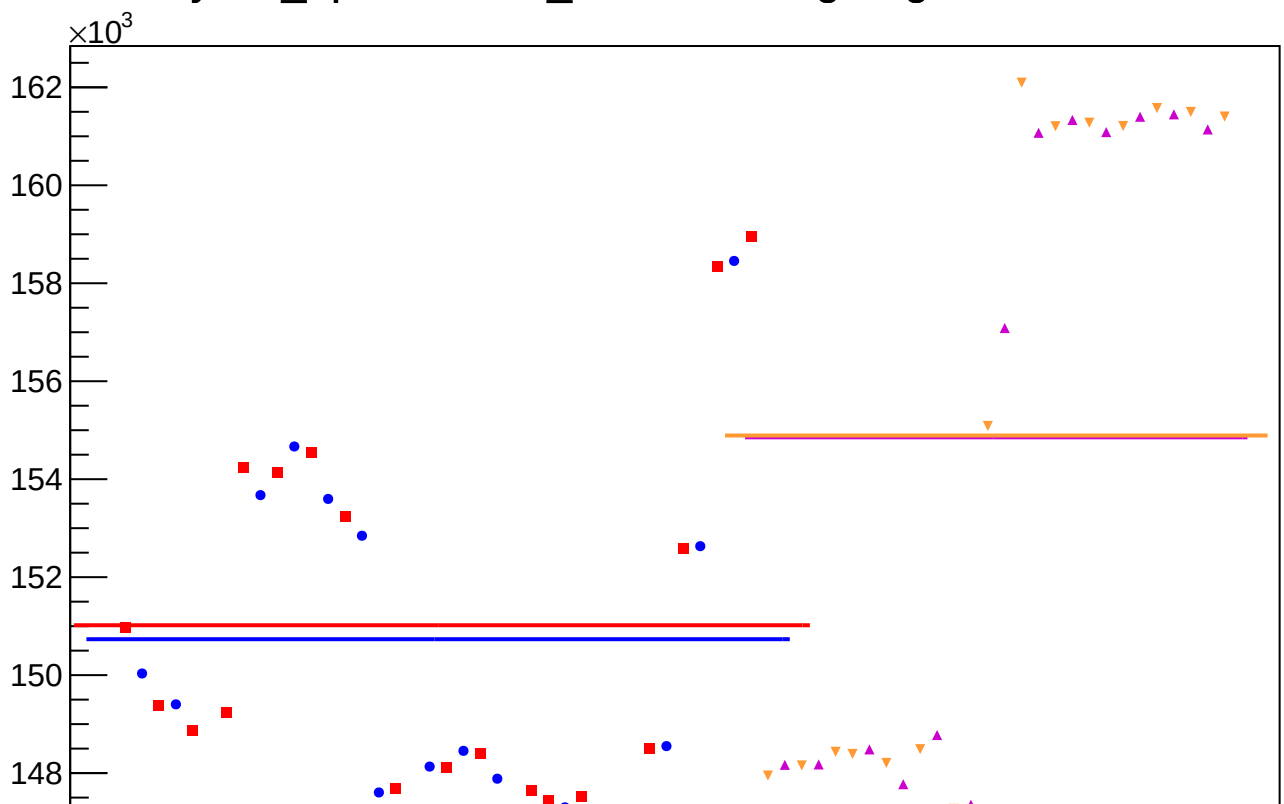
Left: 201.911+/-0.030 χ^2/NDF: 557934.3/27

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 193.414+/-0.033 χ^2/NDF:1284220.4/28

Out: 186.668+/-0.031 χ^2/NDF:1644209.5/33

All: 189.833+/-0.023 χ^2/NDF: 2950068.7/62



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154892.011+/-0.057 χ^2/NDF:12557498759.0/14

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 154854.741+/-0.061 χ^2/NDF:10786712318.8/12

Left: 154874.405+/-0.042 χ^2/NDF: 23344410996.0

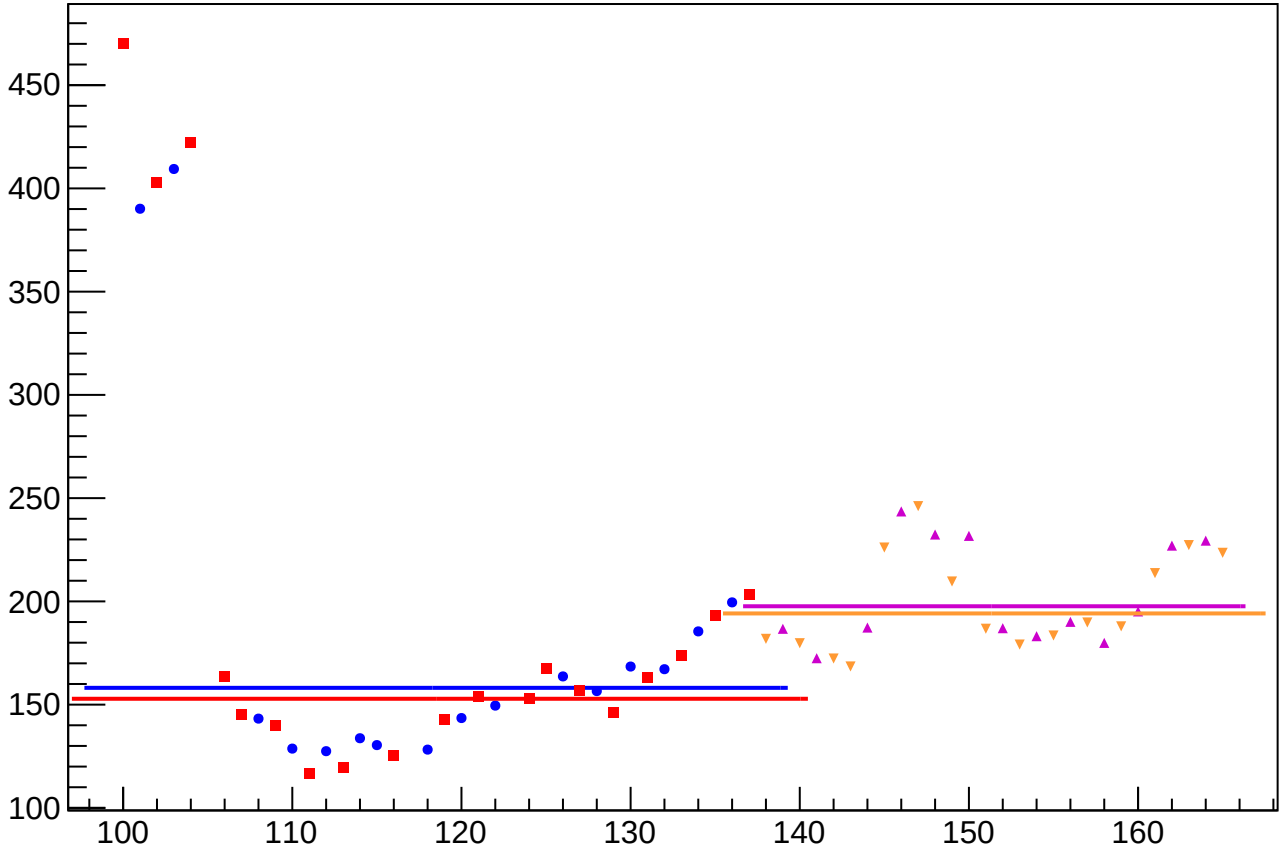
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152872.531+/-0.044 χ^2/NDF:16299116218.9/2

Out: 153046.488+/-0.041 χ^2/NDF:18021651621.6/

All: 152963.938+/-0.030 χ^2/NDF: 34329124

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 194.163+/-0.041 χ^2/NDF:274581.7/14

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.643+/-0.043 χ^2/NDF:271707.5/12

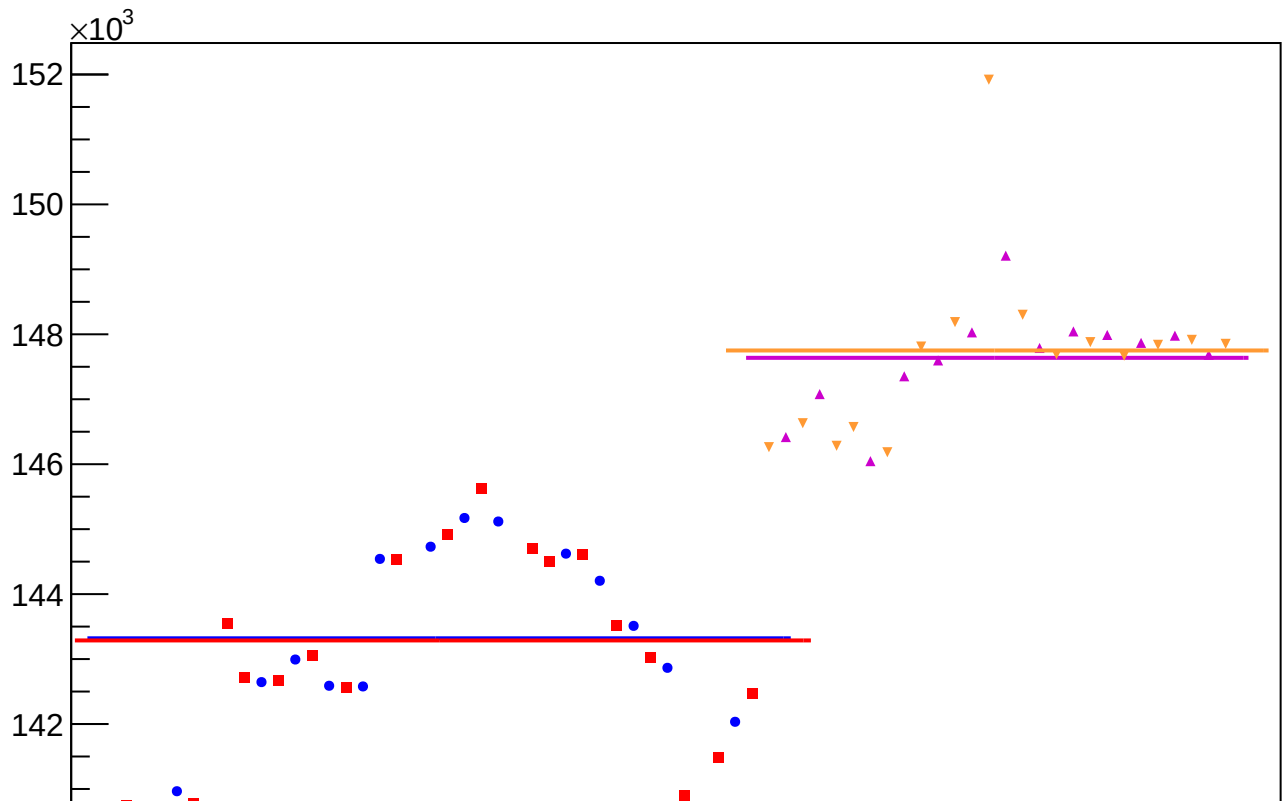
Left: 195.807+/-0.029 χ^2/NDF: 549775.7/27

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 178.643+/-0.031 χ^2/NDF:1876915.2/28

Out: 174.475+/-0.029 χ^2/NDF:2034536.9/33

All: 176.453+/-0.021 χ^2/NDF: 3921046.0/62



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147750.993+/-0.054 χ^2/NDF:670429385.0/14

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147637.746+/-0.057 χ^2/NDF:199198233.9/12

Left: 147697.397+/-0.039 χ^2/NDF: 871714111.2/27

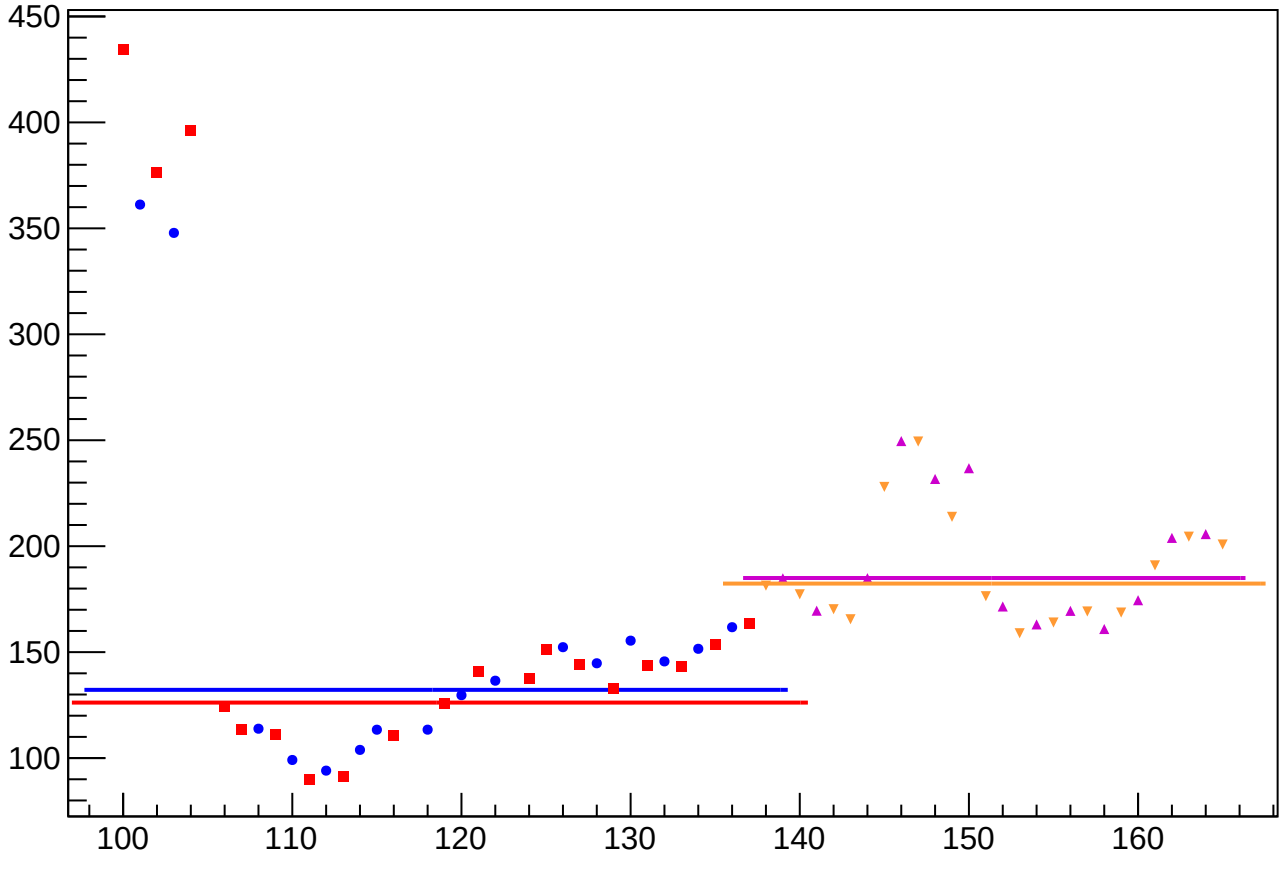
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145330.676+/-0.039 χ^2/NDF:3835469622.6/28

Out: 145337.152+/-0.037 χ^2/NDF:4995109989.6/3

All: 145334.109+/-0.027 χ^2/NDF: 88305943

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 182.355+/-0.038 χ^2/NDF:351770.0/14

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.983+/-0.040 χ^2/NDF:408916.8/12

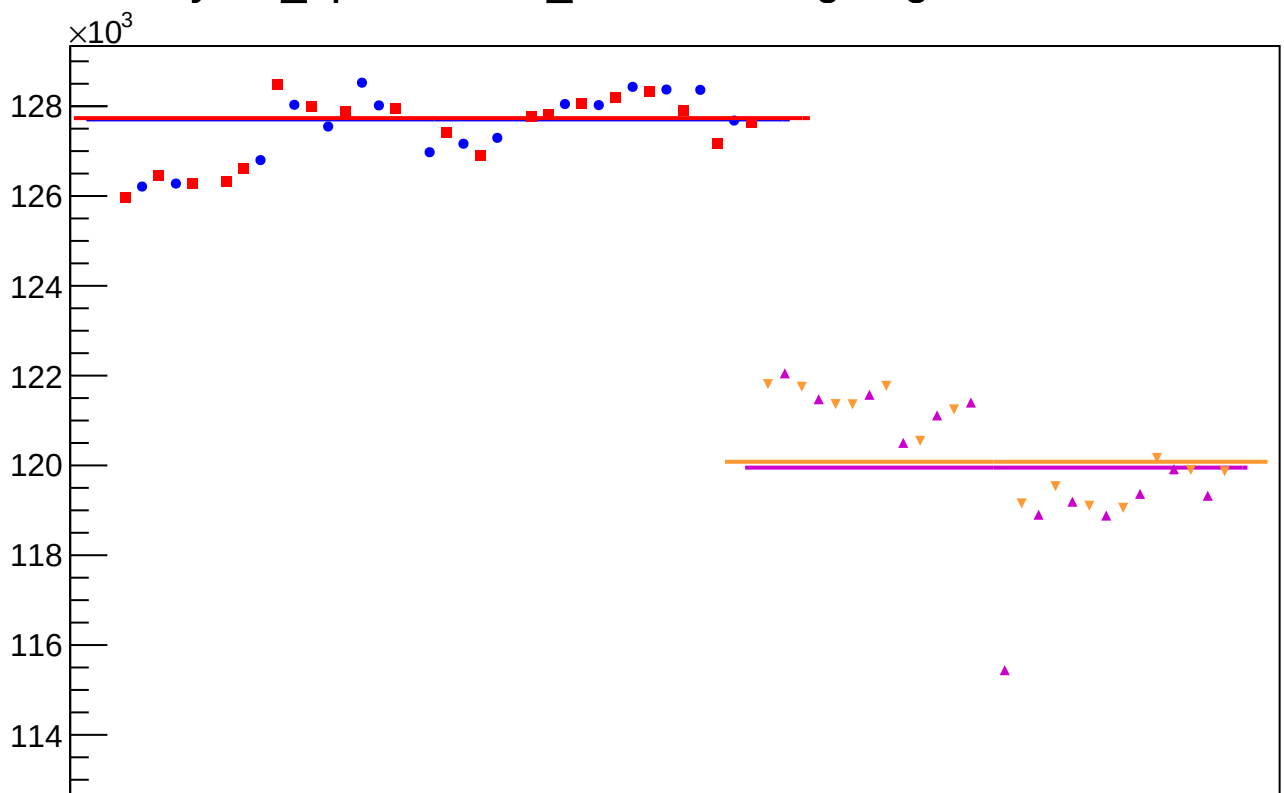
Left: 183.598+/-0.028 χ^2/NDF: 762934.5/27

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 156.784+/-0.027 χ^2/NDF:2707444.7/28

Out: 151.985+/-0.026 χ^2/NDF:3069463.0/33

All: 154.240+/-0.019 χ^2/NDF: 5793104.4/62



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120081.125+/-0.053 χ^2/NDF:1752484445.3/14

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119951.337+/-0.053 χ^2/NDF:1149216675.7/12

Left: 120016.762+/-0.038 χ^2/NDF: 2904676996.6/2

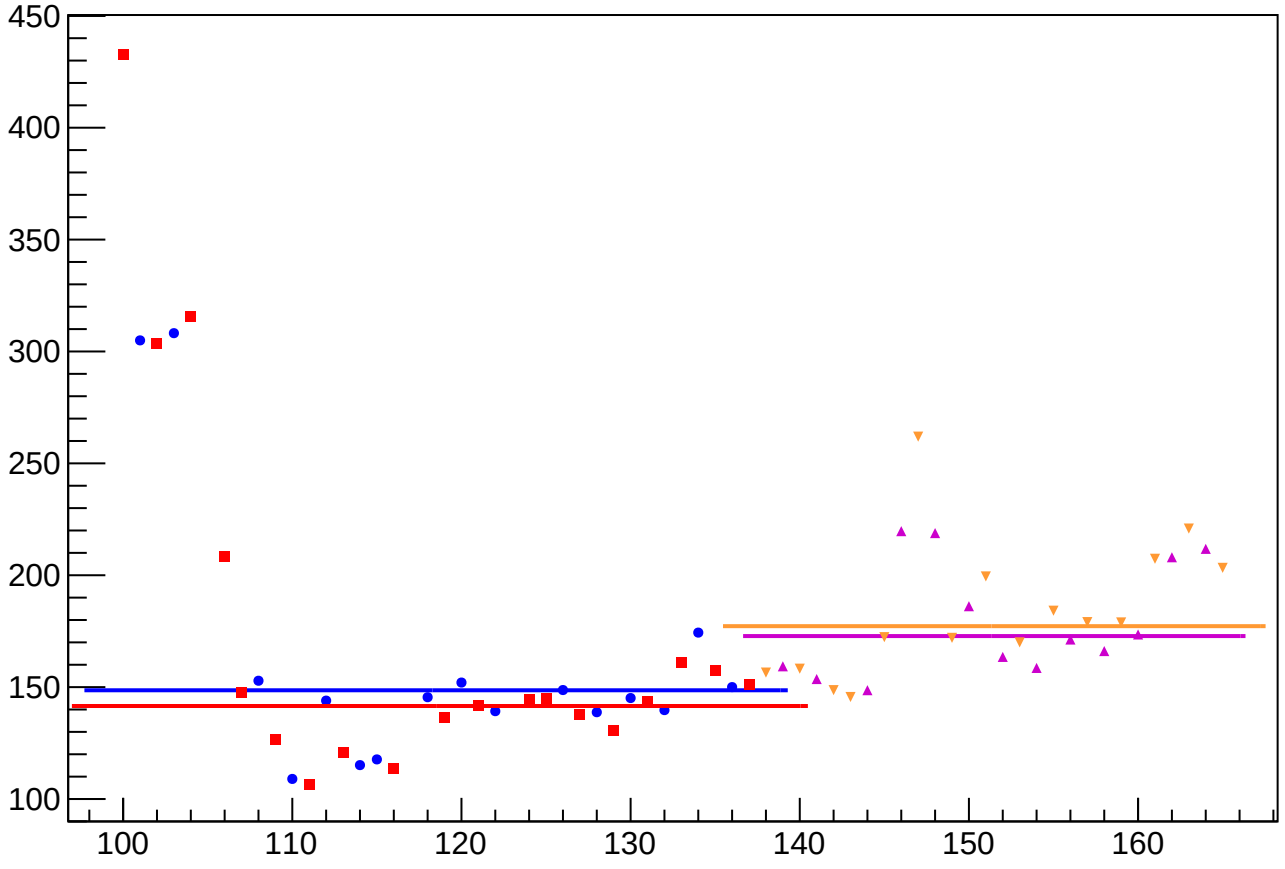
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123482.370+/-0.039 χ^2/NDF:10848987048.1/2

Out: 123770.870+/-0.038 χ^2/NDF:11921991884.9

All: 123631.427+/-0.027 χ^2/NDF: 22798651

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 177.244+/-0.037 χ^2/NDF:470703.5/14

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 172.819+/-0.038 χ^2/NDF:351252.2/12

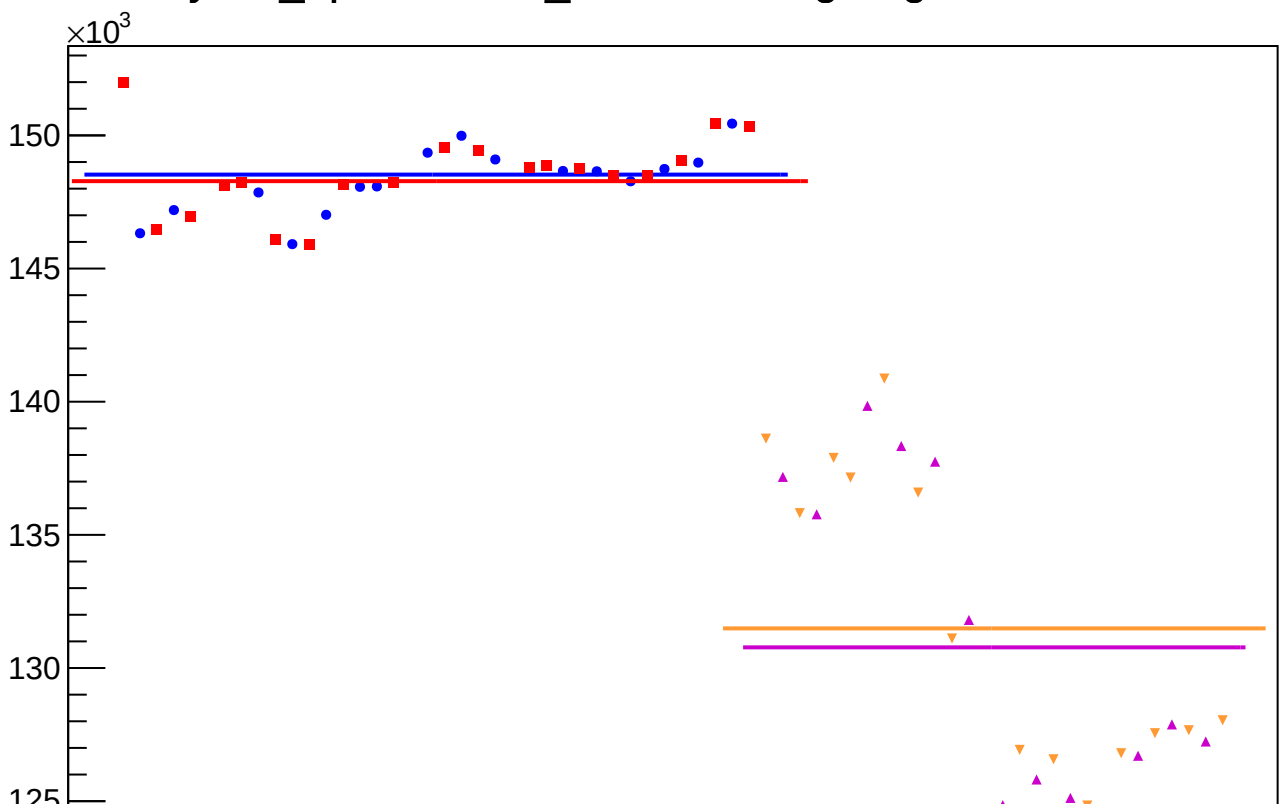
Left: 175.049+/-0.027 χ^2/NDF: 828873.5/27

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 161.787+/-0.028 χ^2/NDF:1366284.1/28

Out: 160.042+/-0.027 χ^2/NDF:1909233.9/33

All: 160.885+/-0.019 χ^2/NDF: 3277542.3/62



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131488.265+/-0.076 χ^2/NDF:5098087271.5/14

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130775.614+/-0.078 χ^2/NDF:5408247542.4/12

Left: 131137.659+/-0.054 χ^2/NDF: 10549197582.0

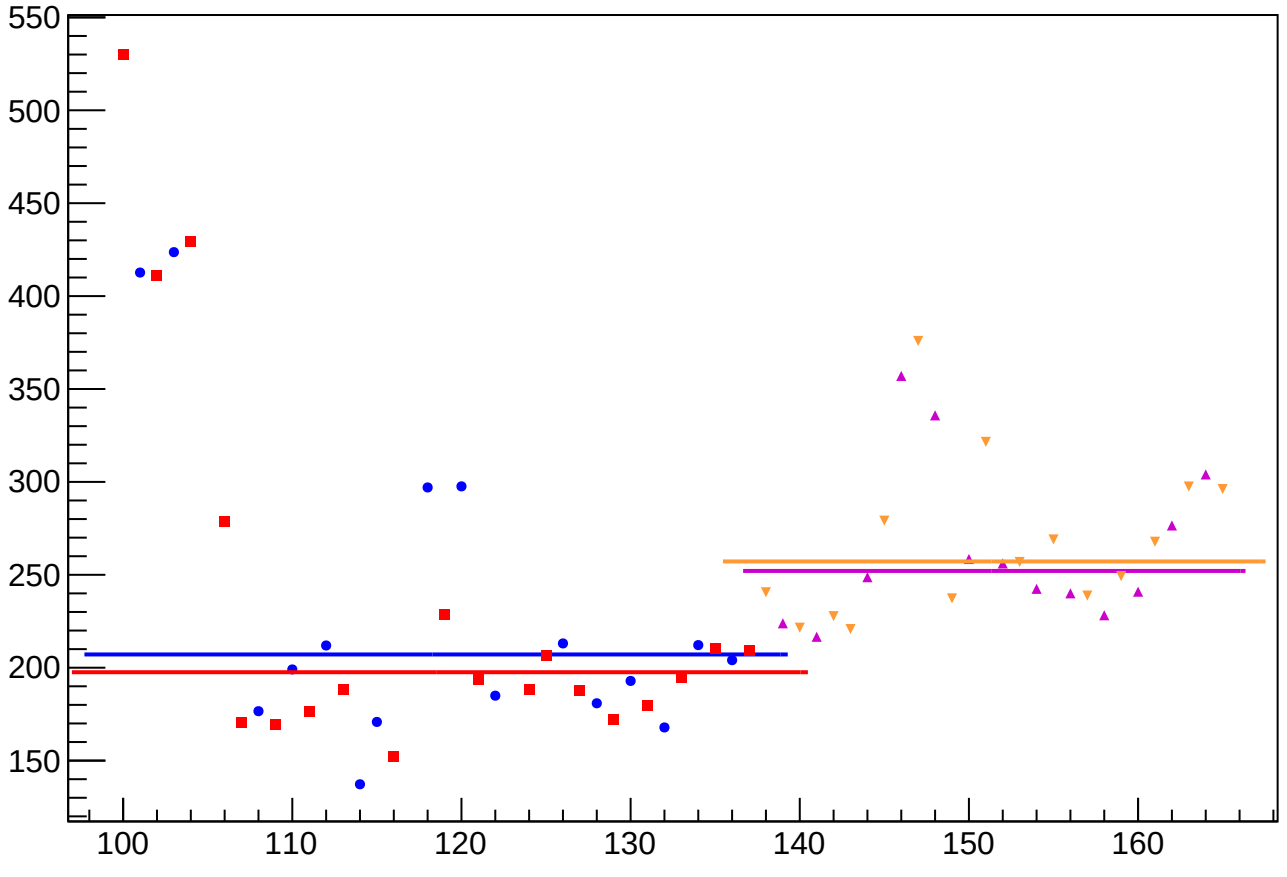
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 139167.399+/-0.056 χ^2/NDF:30365658116.8/2

Out: 139857.098+/-0.054 χ^2/NDF:29502638855.8

All: 139526.361+/-0.039 χ^2/NDF: 599462993

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 257.192+/-0.054 χ^2/NDF:424043.9/14

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 252.081+/-0.055 χ^2/NDF:402813.6/12

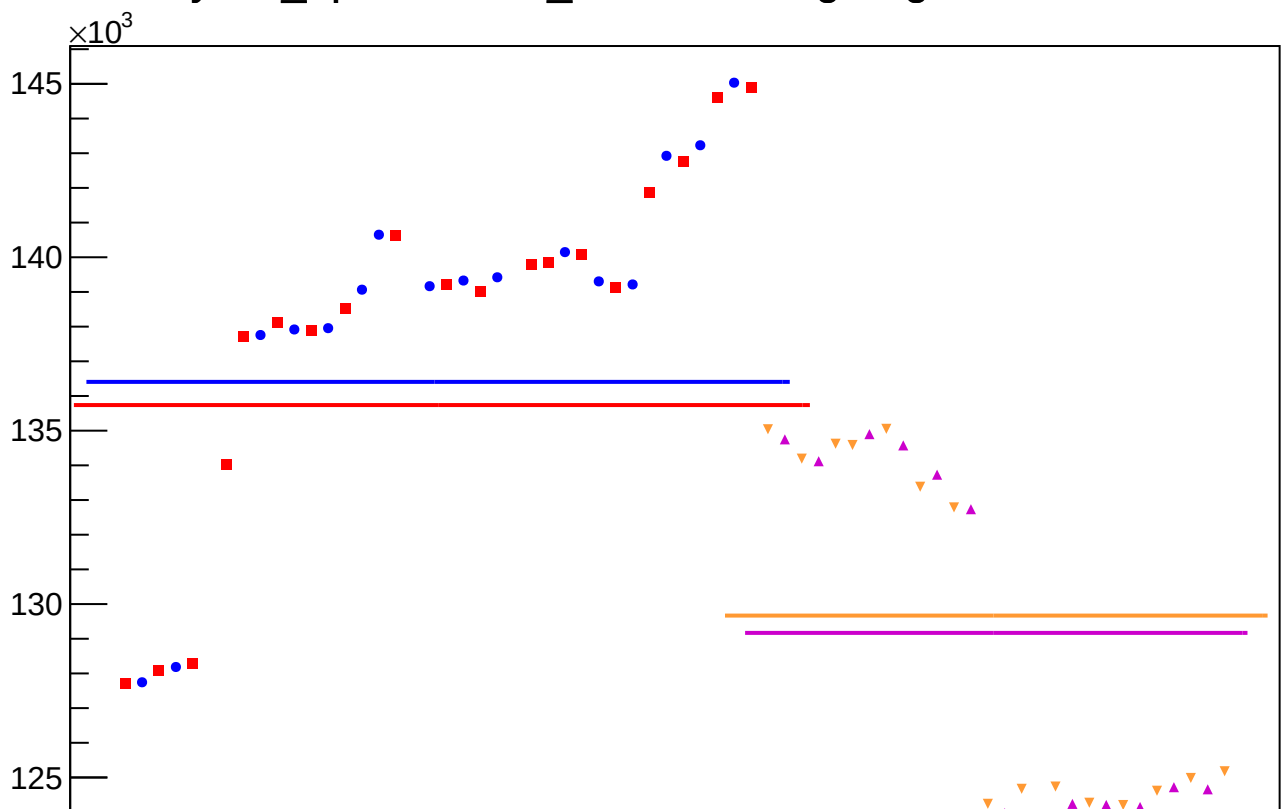
Left: 254.678+/-0.038 χ^2/NDF: 831268.2/27

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 230.834+/-0.040 χ^2/NDF:1692316.4/28

Out: 227.481+/-0.038 χ^2/NDF:1935806.4/33

All: 229.089+/-0.028 χ^2/NDF: 3631808.9/62



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129668.254+/-0.176 χ^2/NDF:792093693.8/14

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129169.046+/-0.186 χ^2/NDF:728402984.5/12

Left: 129432.126+/-0.128 χ^2/NDF: 1524310298.7/2

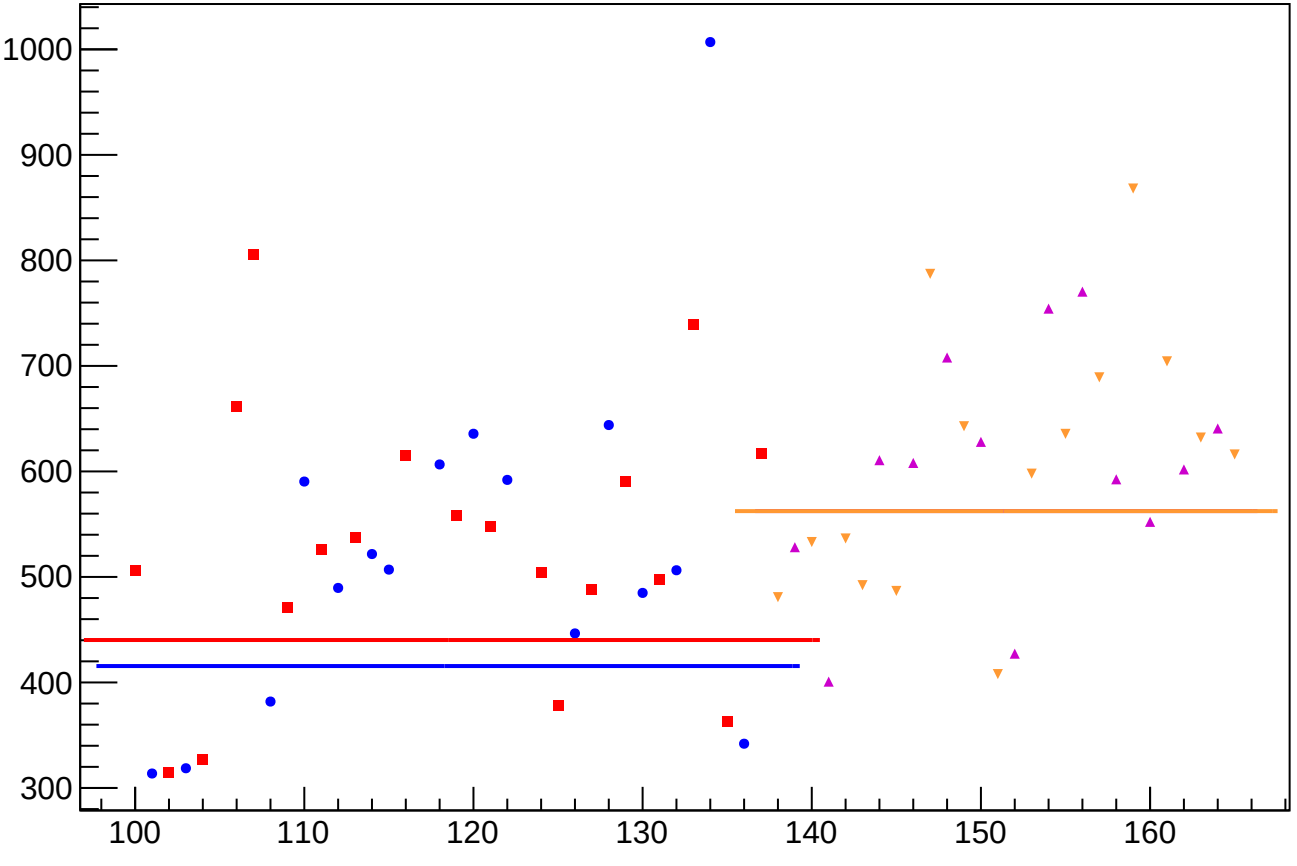
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 133134.571+/-0.125 χ^2/NDF:3138925091.2/28

Out: 132688.512+/-0.125 χ^2/NDF:2559349899.8/3

All: 132911.258+/-0.088 χ^2/NDF: 57046726

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 562.381+/-0.124 χ^2/NDF:804524.8/14

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 562.435+/-0.131 χ^2/NDF:701705.0/12

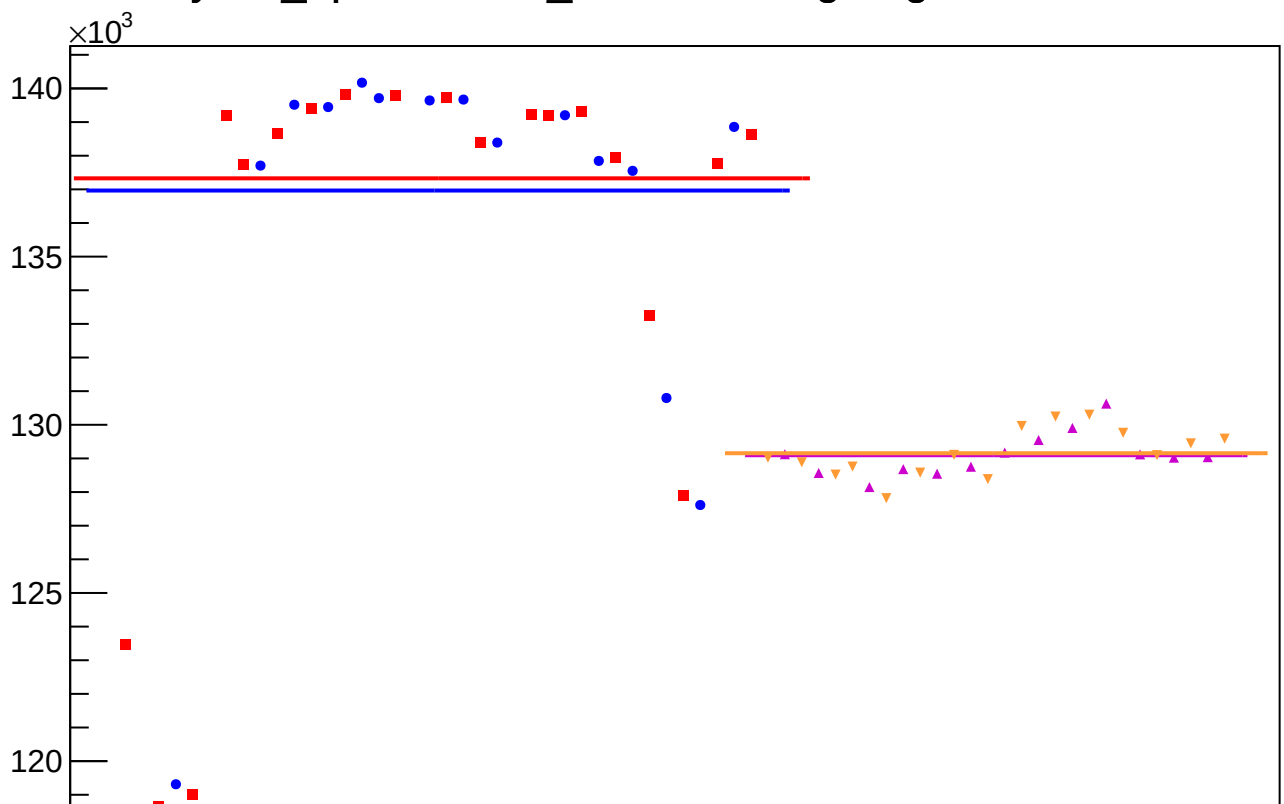
Left: 562.407+/-0.090 χ^2/NDF: 1506229.9/27

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 481.957+/-0.088 χ^2/NDF:2419833.2/28

Out: 501.598+/-0.088 χ^2/NDF:2195782.2/33

All: 491.790+/-0.062 χ^2/NDF: 4640421.5/62



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129154.909+/-0.056 χ^2/NDF:149831588.7/14

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129094.862+/-0.058 χ^2/NDF:125179948.0/12

Left: 129125.871+/-0.041 χ^2/NDF: 275559580.9/27

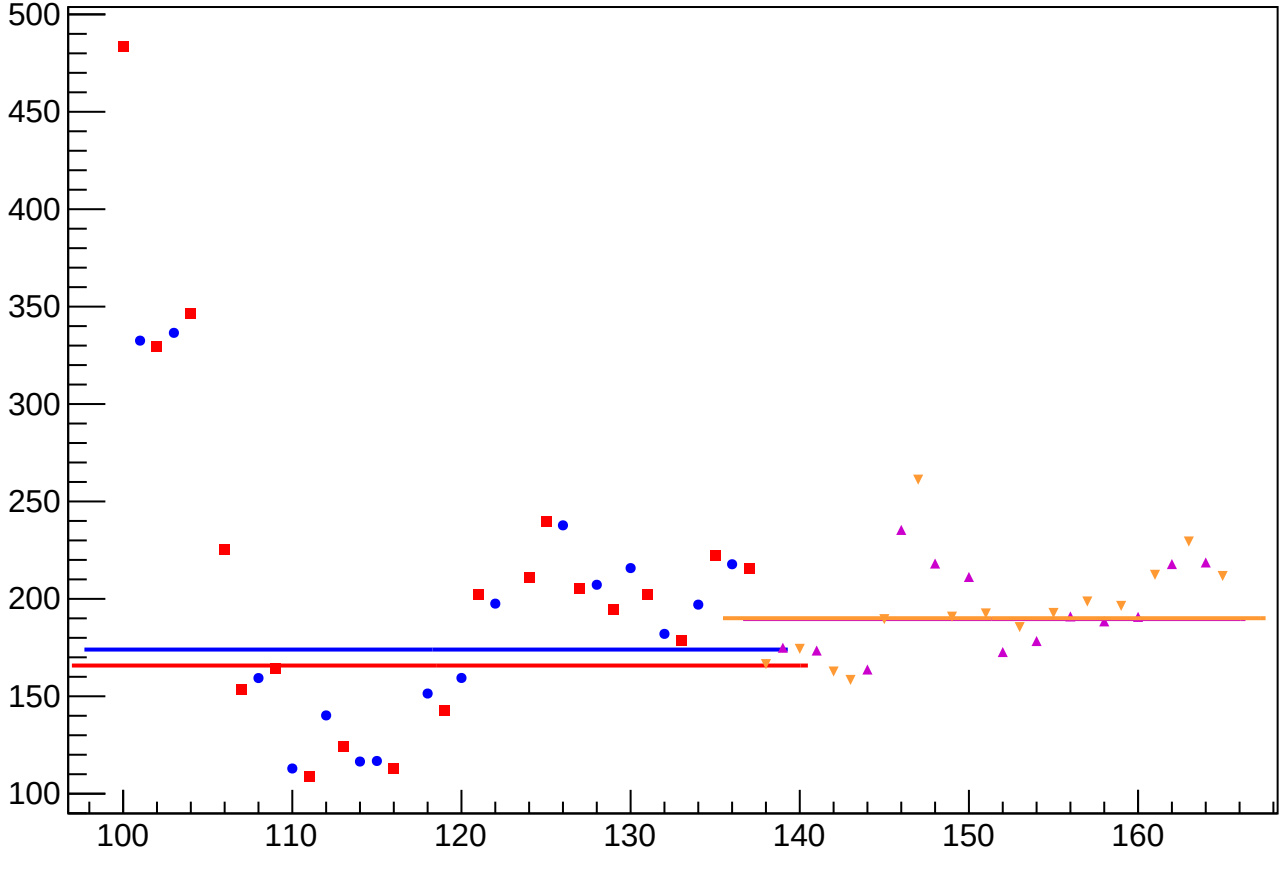
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132332.226+/-0.045 χ^2/NDF:13432085344.7/2

Out: 132627.077+/-0.043 χ^2/NDF:14806445462.1

All: 132486.197+/-0.031 χ^2/NDF: 282612308

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 190.073+/-0.040 χ^2/NDF:337835.9/14

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 189.635+/-0.041 χ^2/NDF:254073.2/12

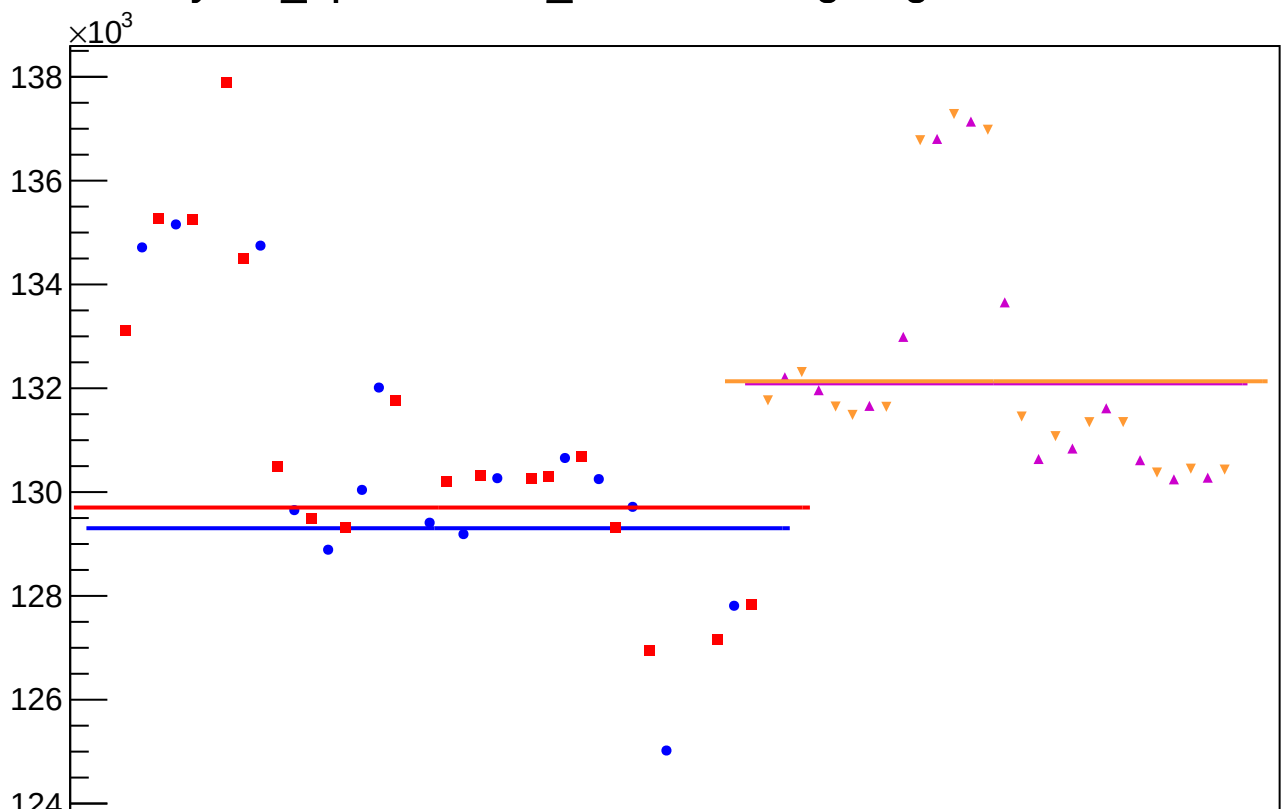
Left: 189.861+/-0.029 χ^2/NDF: 591967.5/27

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 183.196+/-0.032 χ^2/NDF:1501895.0/28

Out: 179.752+/-0.030 χ^2/NDF:1928602.4/33

All: 181.397+/-0.022 χ^2/NDF: 3436690.5/62



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132134.783+/-0.057 χ^2/NDF:1257292201.0/14

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132094.457+/-0.059 χ^2/NDF:987767192.5/12

Left: 132115.245+/-0.041 χ^2/NDF: 2245302770.5/2

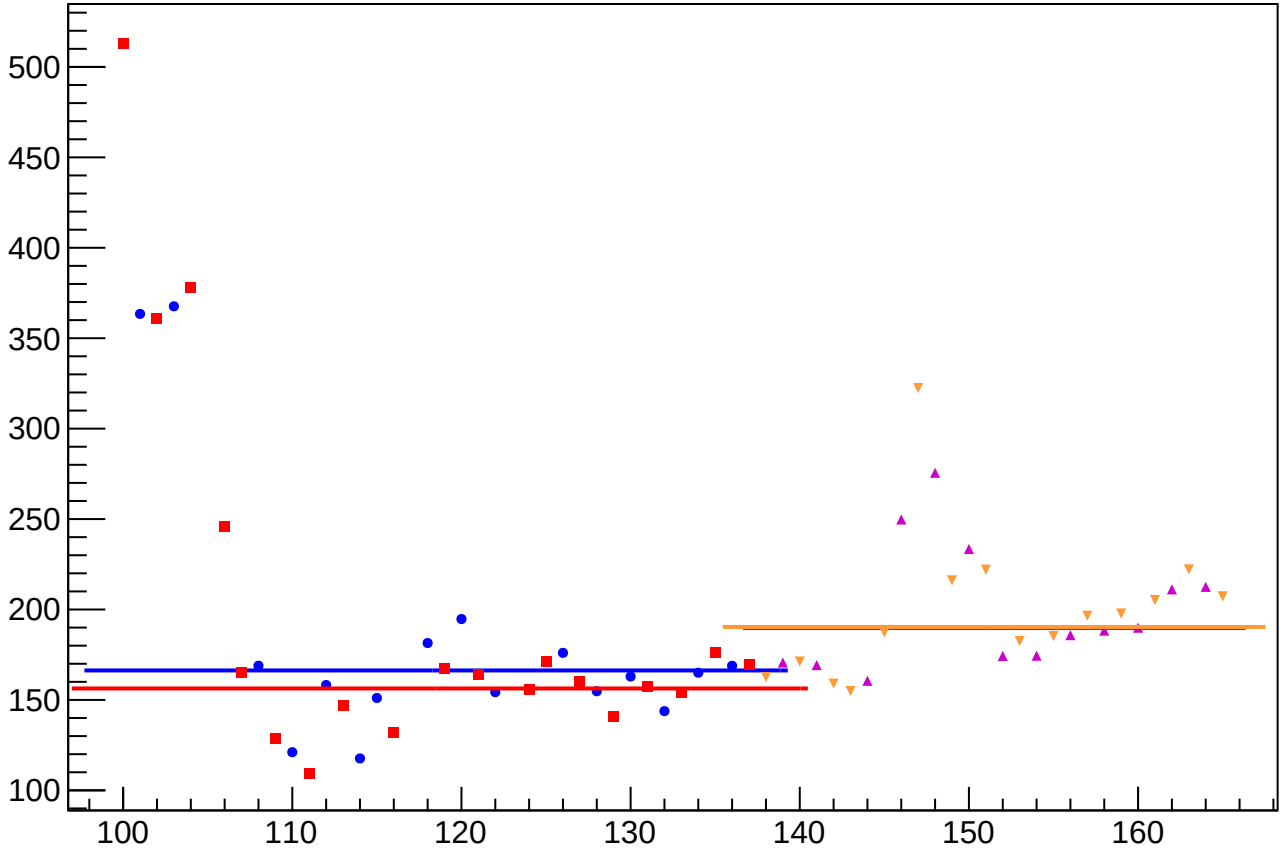
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130866.444+/-0.044 χ^2/NDF:3632941963.3/28

Out: 131013.950+/-0.042 χ^2/NDF:3877146129.6/3

All: 130943.874+/-0.030 χ^2/NDF: 75160102

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 190.354+/-0.040 χ^2/NDF:568242.9/14

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 189.751+/-0.041 χ^2/NDF:480612.1/12

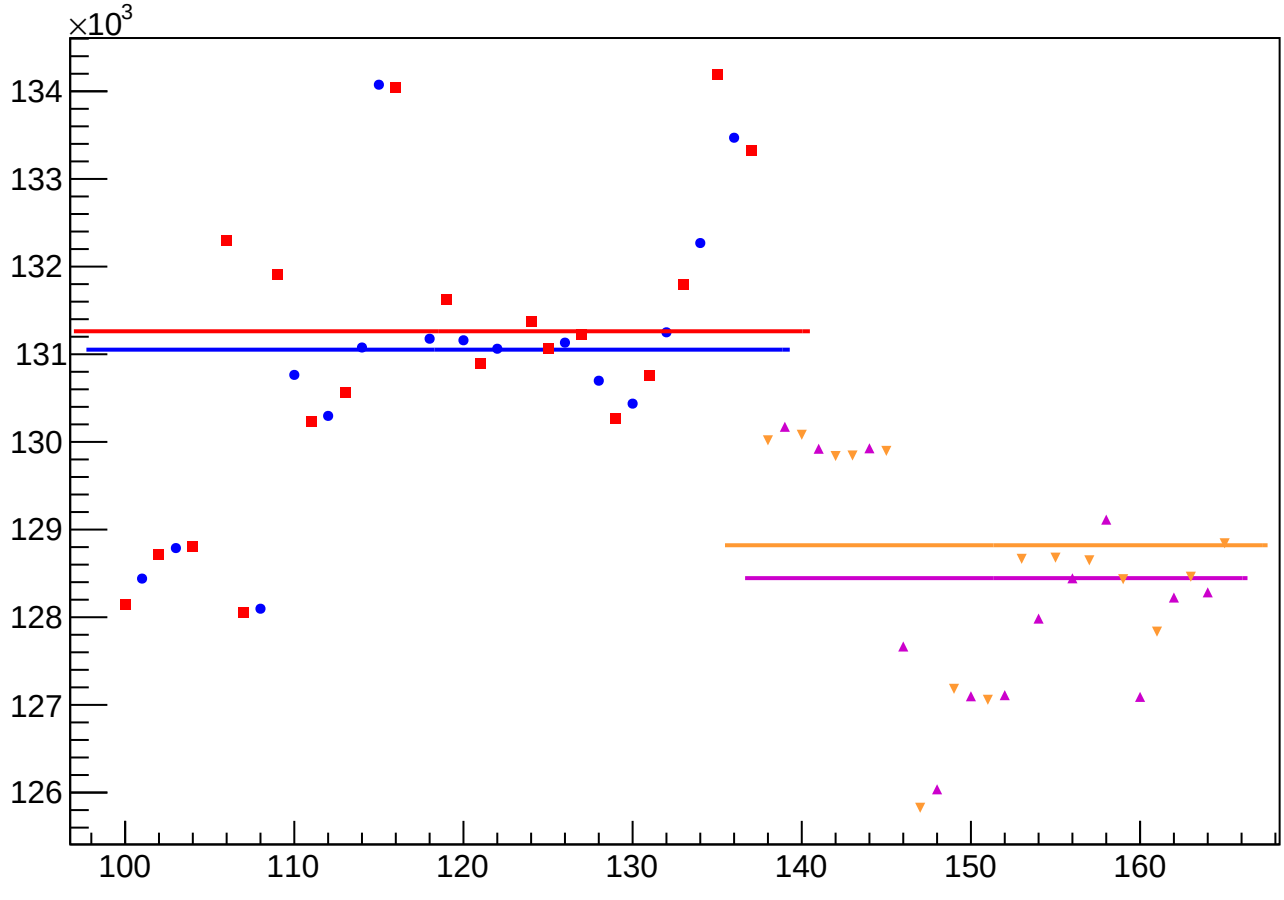
Left: 190.062+/-0.029 χ^2/NDF: 1048963.9/27

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 179.432+/-0.031 χ^2/NDF:1559054.4/28

Out: 174.677+/-0.030 χ^2/NDF:2070587.3/33

All: 176.936+/-0.021 χ^2/NDF: 3641951.8/62



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128821.195+/-0.054 χ^2/NDF:434556982.3/14

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128446.098+/-0.056 χ^2/NDF:501778334.2/12

Left: 128640.126+/-0.039 χ^2/NDF: 959281812.0/27

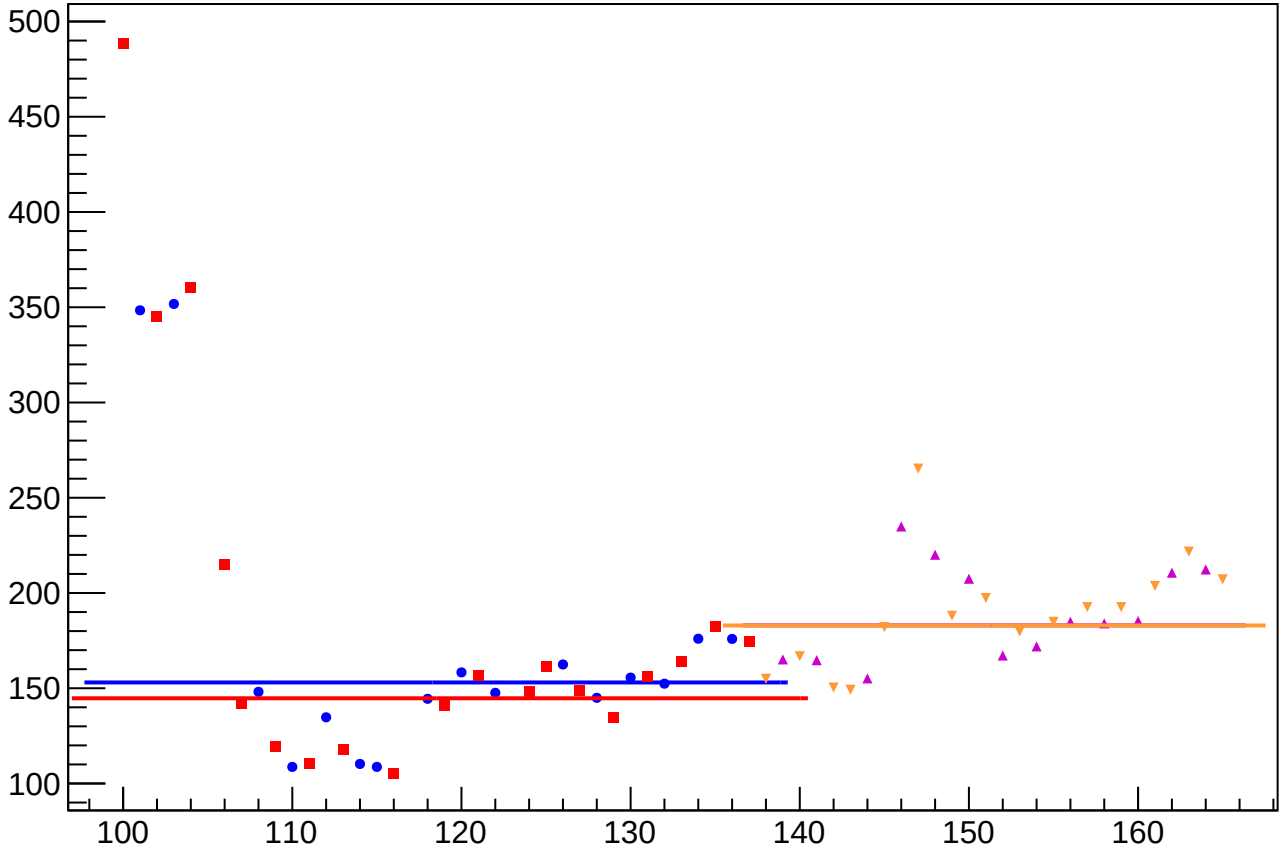
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129653.064+/-0.041 χ^2/NDF:2017312852.3/28

Out: 129992.075+/-0.039 χ^2/NDF:2004474813.2/3

All: 129831.078+/-0.028 χ^2/NDF: 40572263

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 182.942+/-0.038 χ^2/NDF:446565.9/14

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 182.995+/-0.040 χ^2/NDF:326464.8/12

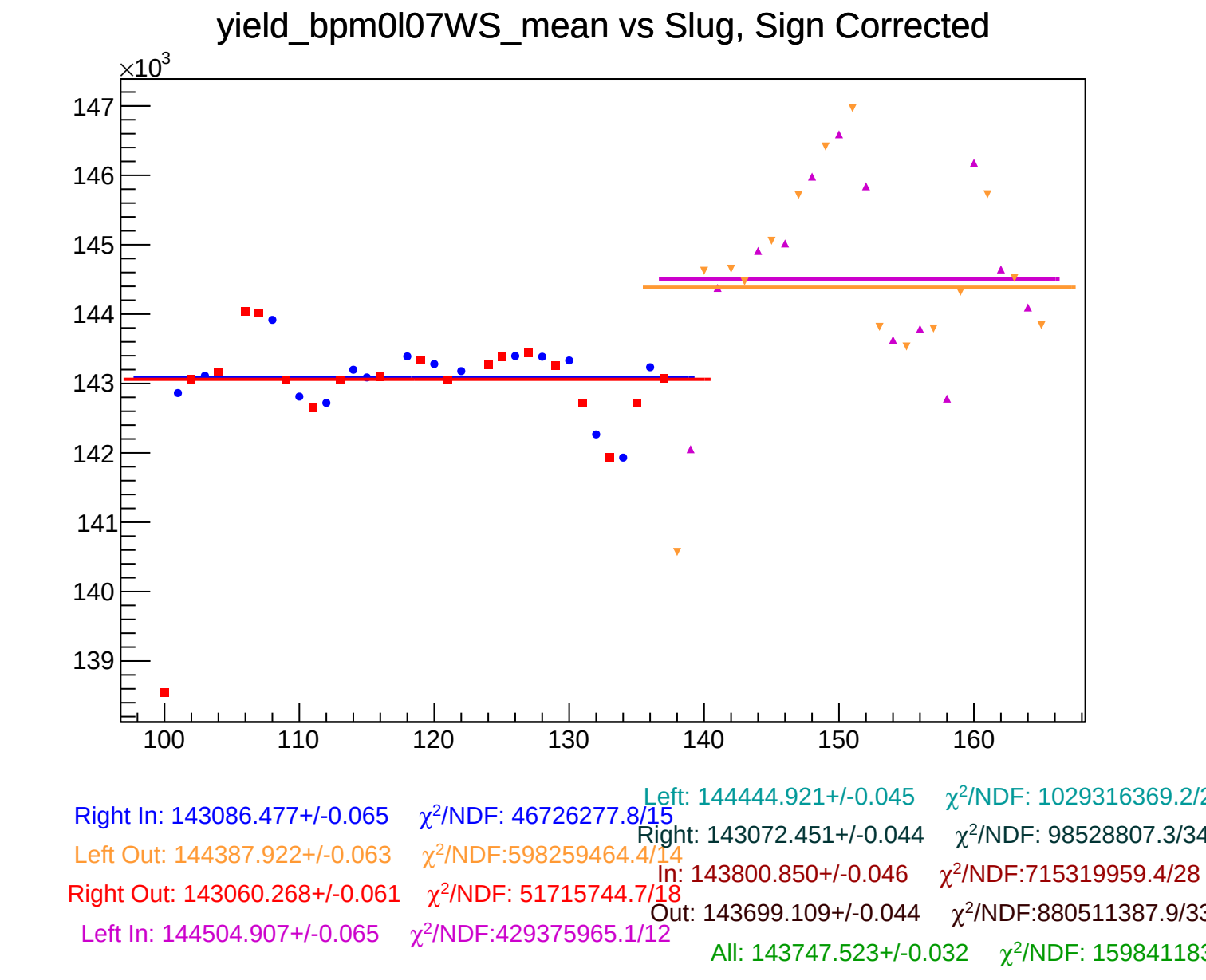
Left: 182.968+/-0.028 χ^2/NDF: 773031.6/27

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

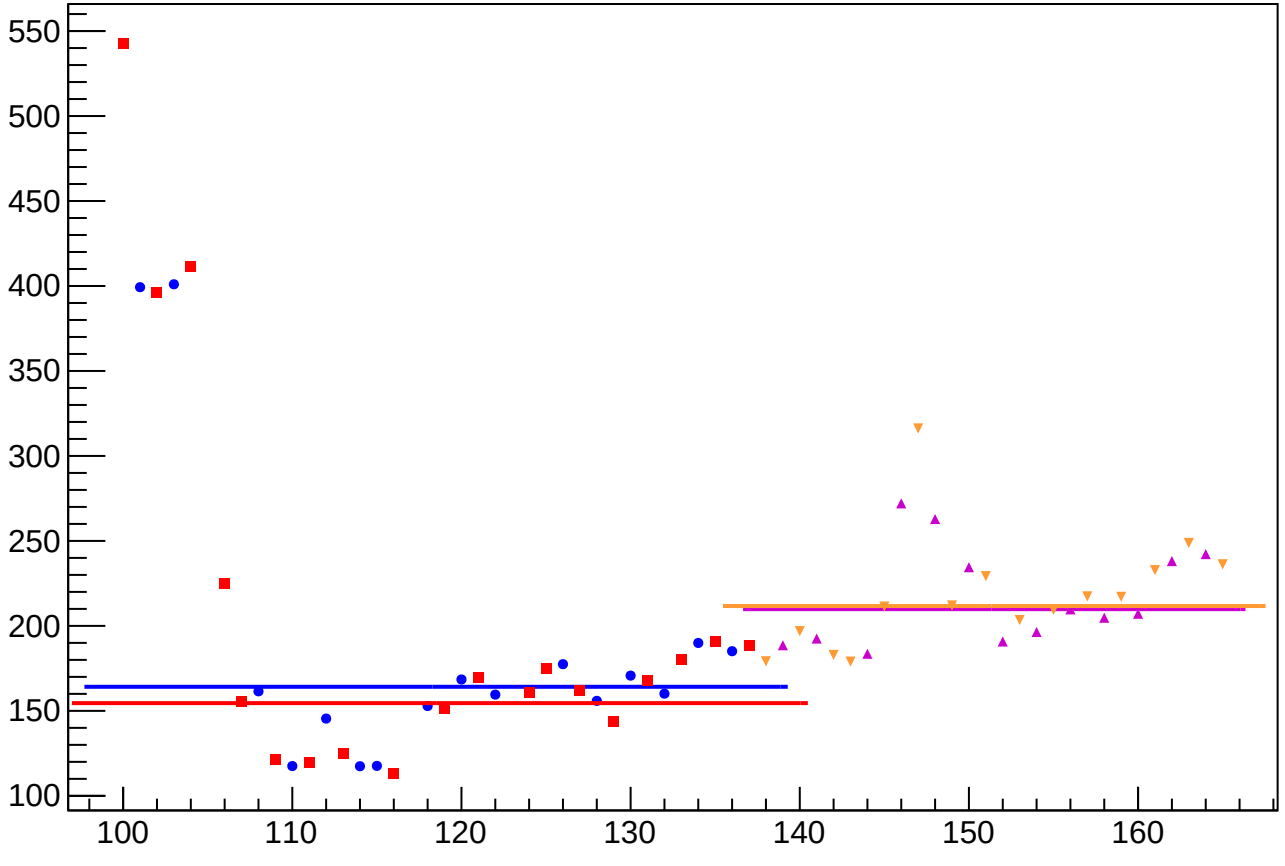
In: 169.125+/-0.029 χ^2/NDF:1647924.5/28

Out: 164.613+/-0.028 χ^2/NDF:2183236.1/33

All: 166.756+/-0.020 χ^2/NDF: 3843710.4/62


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
160
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144387.922+/-0.063 χ²/NDF:598259464.4/14
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144504.907+/-0.065 χ²/NDF:429375965.1/12
Left: 144444.921+/-0.045 χ²/NDF: 1029316369.2/2
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 143800.850+/-0.046 χ²/NDF:715319959.4/28
Out: 143699.109+/-0.044 χ²/NDF:880511387.9/33
All: 143747.523+/-0.032 χ²/NDF: 15984118

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 211.685+/-0.045 χ^2/NDF:388525.7/14

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 209.853+/-0.046 χ^2/NDF:317353.1/12

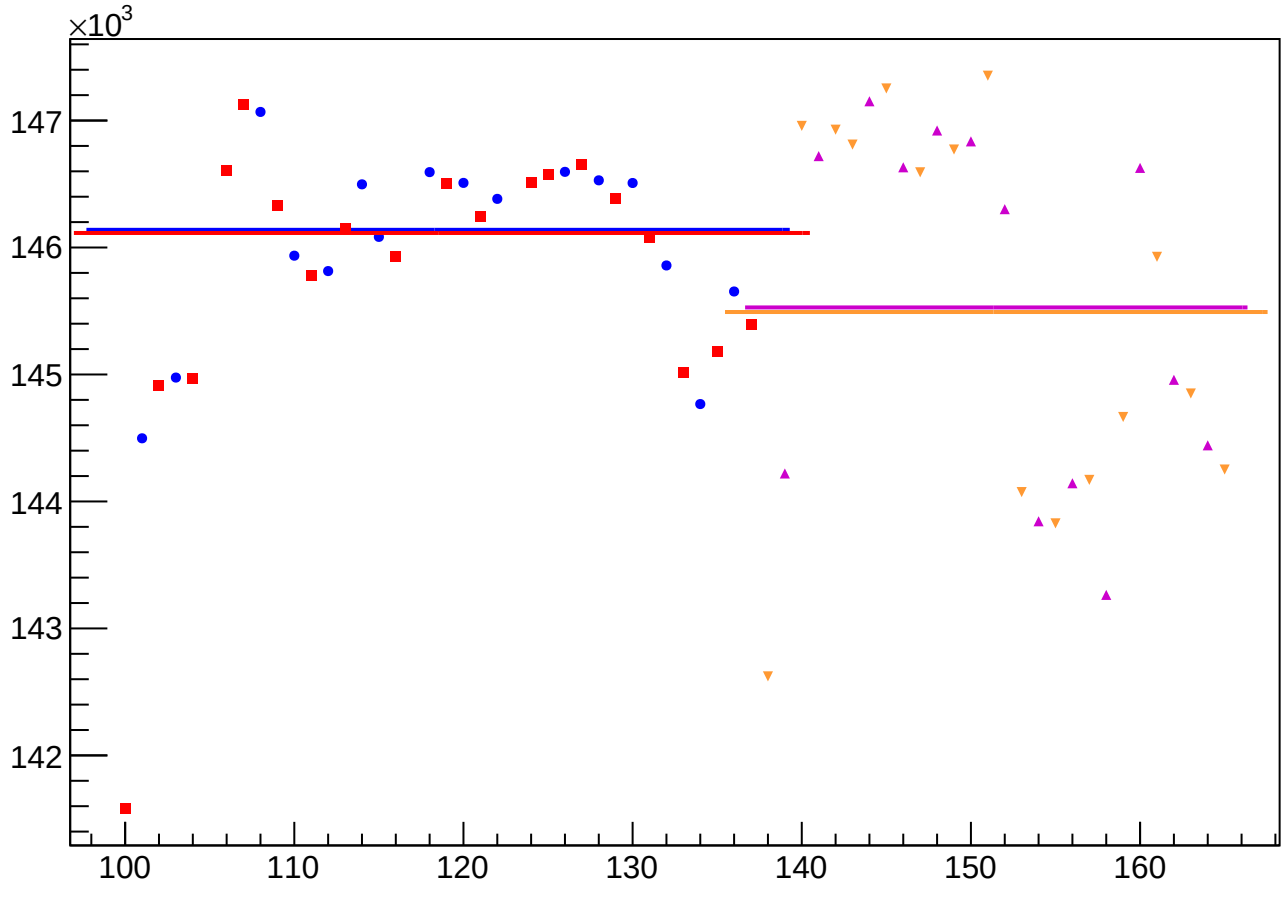
Left: 210.792+/-0.032 χ^2/NDF: 706703.0/27

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 187.176+/-0.032 χ^2/NDF:1943463.0/28

Out: 182.046+/-0.031 χ^2/NDF:2609009.5/33

All: 184.487+/-0.022 χ^2/NDF: 4565592.6/62



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145492.016+/-0.062 χ^2/NDF:619084329.8/14

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145528.020+/-0.064 χ^2/NDF:469991836.2/12

Left: 145509.439+/-0.045 χ^2/NDF: 1089237761.9/2

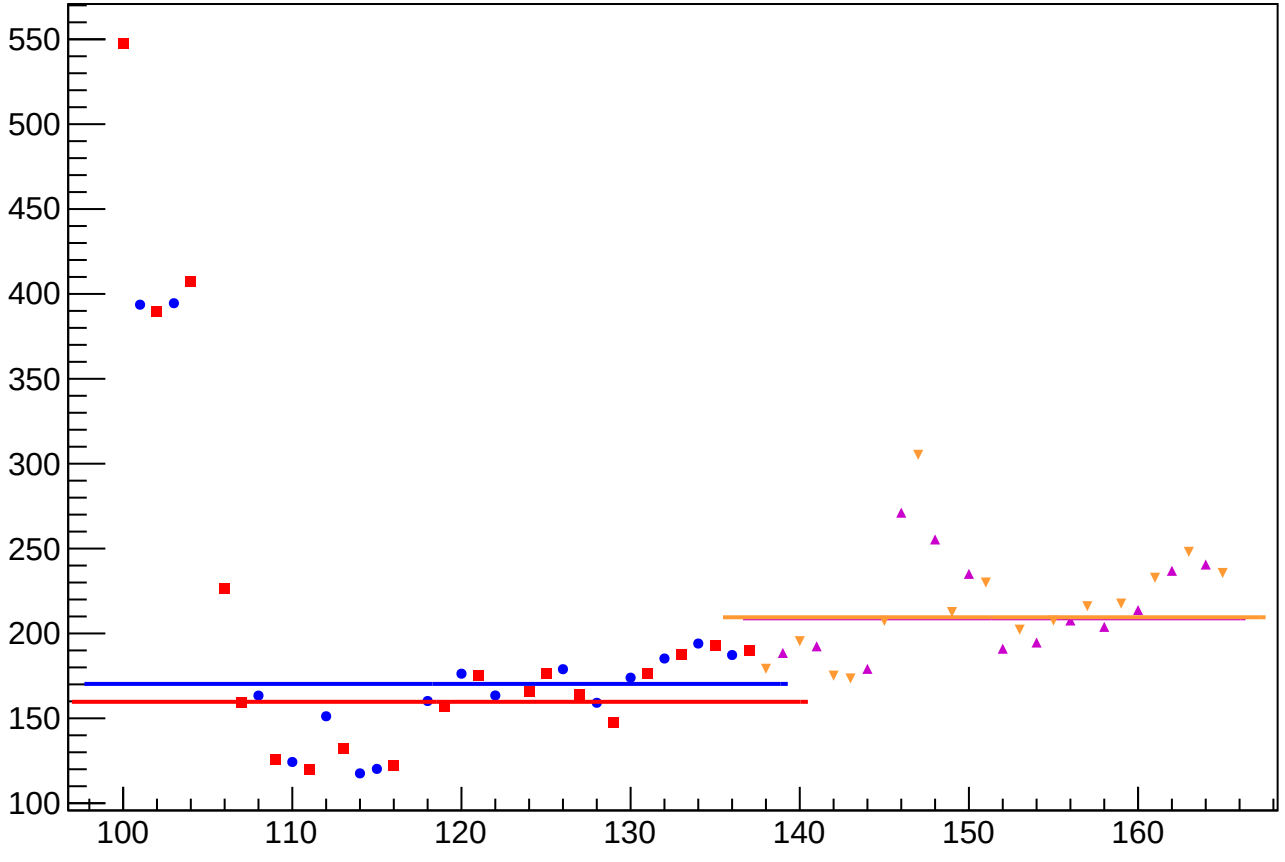
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145819.487+/-0.047 χ^2/NDF:584745890.4/28

Out: 145802.367+/-0.044 χ^2/NDF:741948857.9/33

All: 145810.471+/-0.032 χ^2/NDF: 13267660

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 209.520+/-0.044 χ^2/NDF:403788.2/14

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 208.911+/-0.045 χ^2/NDF:316199.7/12

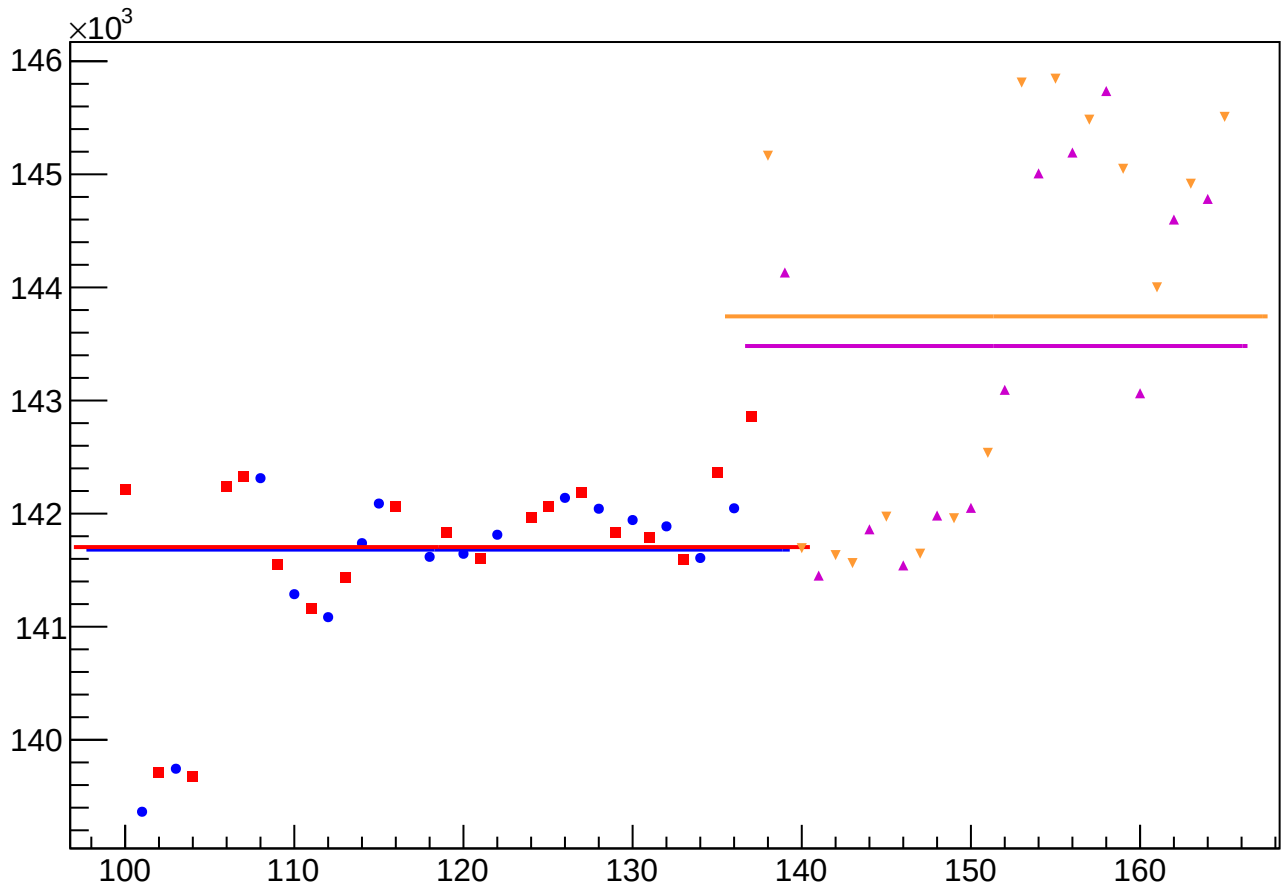
Left: 209.225+/-0.032 χ^2/NDF: 720080.1/27

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 190.489+/-0.033 χ^2/NDF:1717659.7/28

Out: 184.692+/-0.031 χ^2/NDF:2332050.4/33

All: 187.436+/-0.023 χ^2/NDF: 4066056.8/62



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143744.014+/-0.066 χ^2/NDF:691952787.4/14

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143481.961+/-0.067 χ^2/NDF:486291014.2/12

Left: 143615.733+/-0.047 χ^2/NDF: 1186003854.3/2

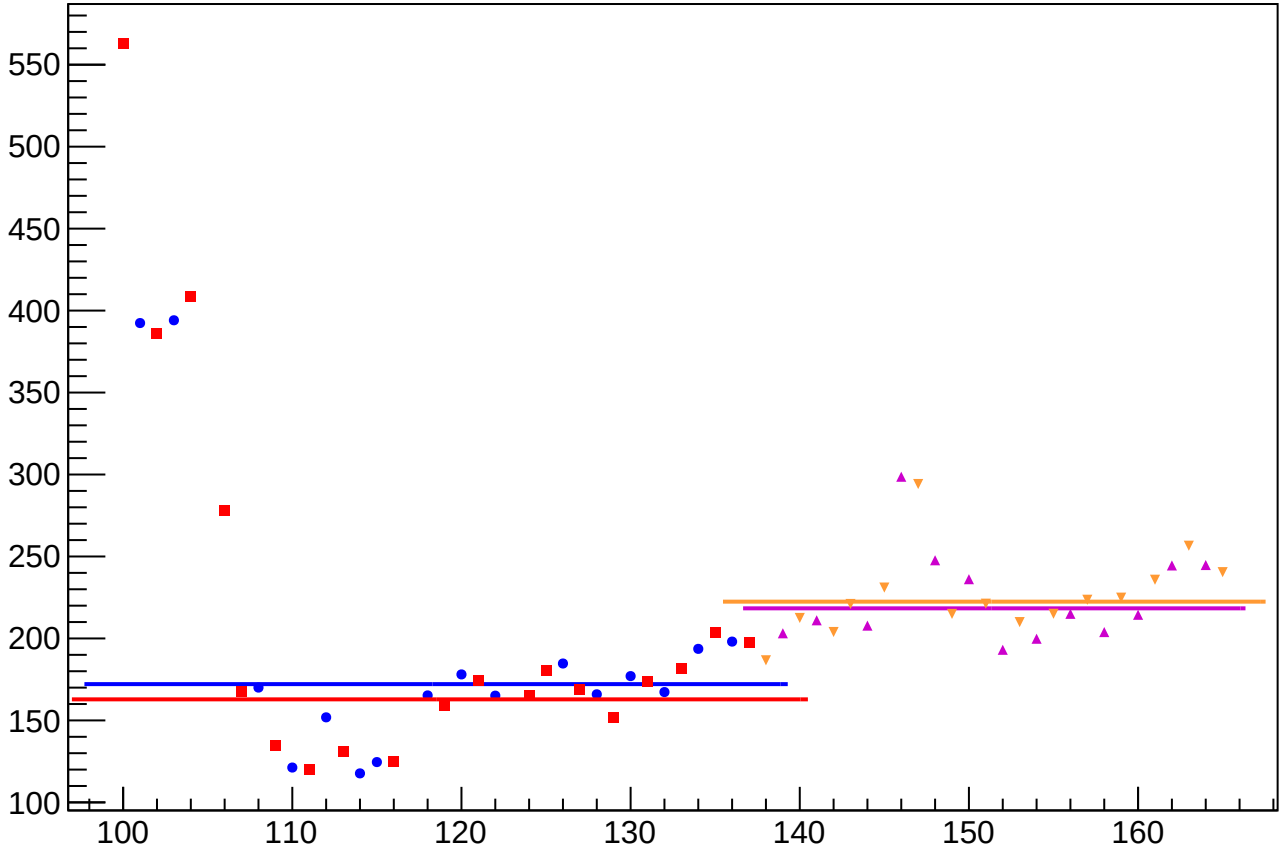
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142595.959+/-0.048 χ^2/NDF:903639076.0/28

Out: 142692.252+/-0.046 χ^2/NDF:1252731245.4/3

All: 142646.250+/-0.033 χ^2/NDF: 21584813

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 222.449+/-0.047 χ^2/NDF:217687.2/14

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 218.362+/-0.048 χ^2/NDF:259021.6/12

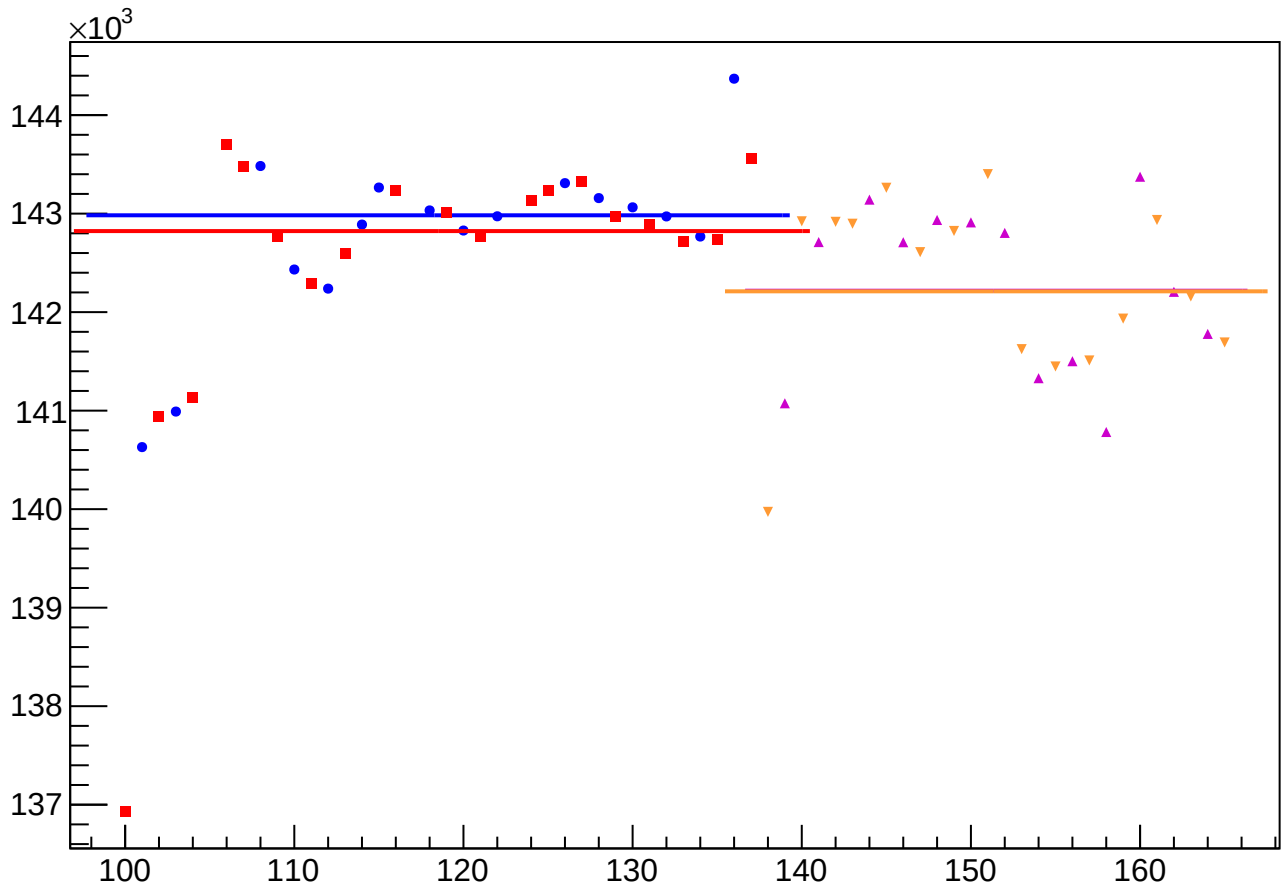
Left: 220.449+/-0.033 χ^2/NDF: 480484.0/27

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 195.612+/-0.034 χ^2/NDF:1793193.5/28

Out: 191.716+/-0.032 χ^2/NDF:2369271.2/33

All: 193.577+/-0.023 χ^2/NDF: 4169373.0/62



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142211.212+/-0.061 χ^2/NDF:250401404.8/14

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142217.362+/-0.063 χ^2/NDF:190446806.9/12

Left: 142214.191+/-0.044 χ^2/NDF: 440853141.9/27

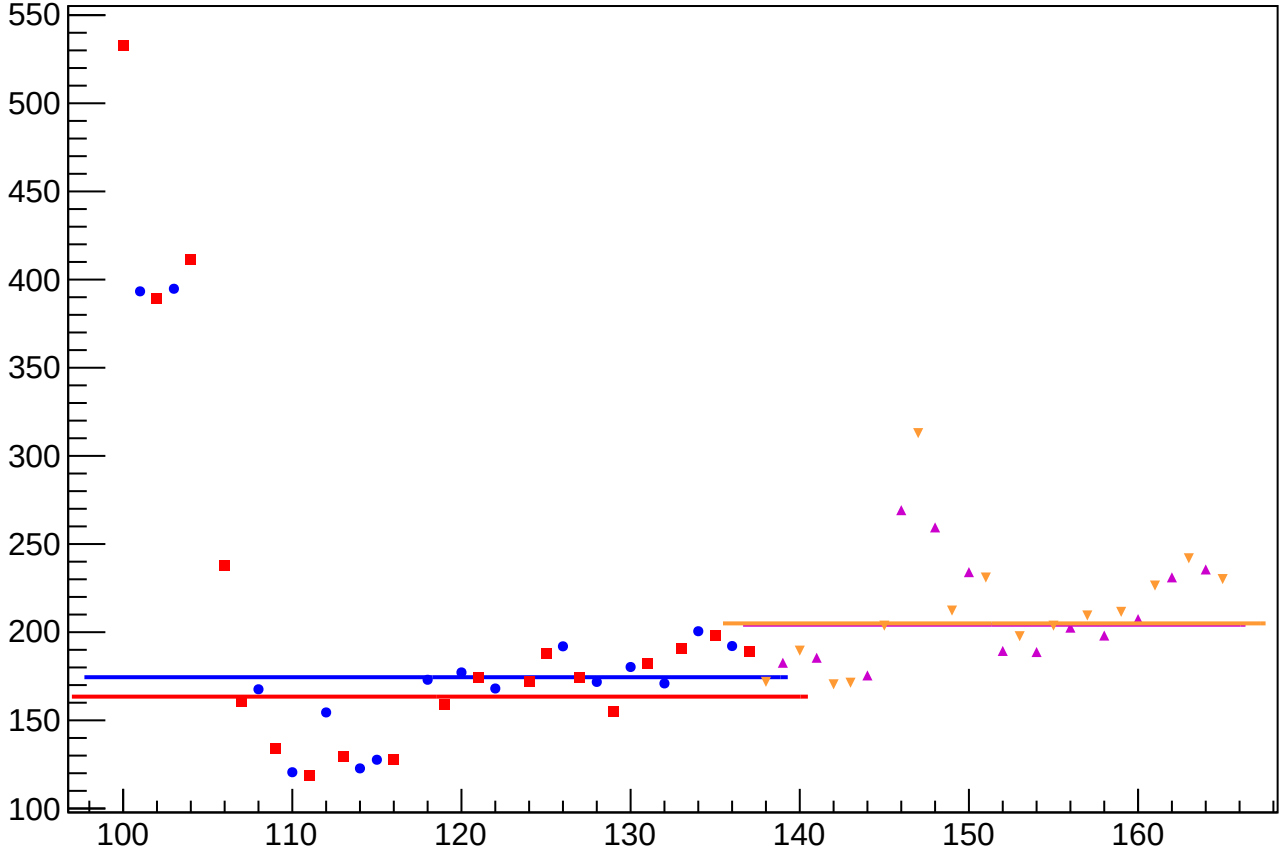
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142564.252+/-0.047 χ^2/NDF:365270107.6/28

Out: 142501.959+/-0.044 χ^2/NDF:361823845.8/33

All: 142531.481+/-0.032 χ^2/NDF: 728037322

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 204.993+/-0.043 χ^2/NDF:452944.3/14

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 204.231+/-0.044 χ^2/NDF:358159.3/12

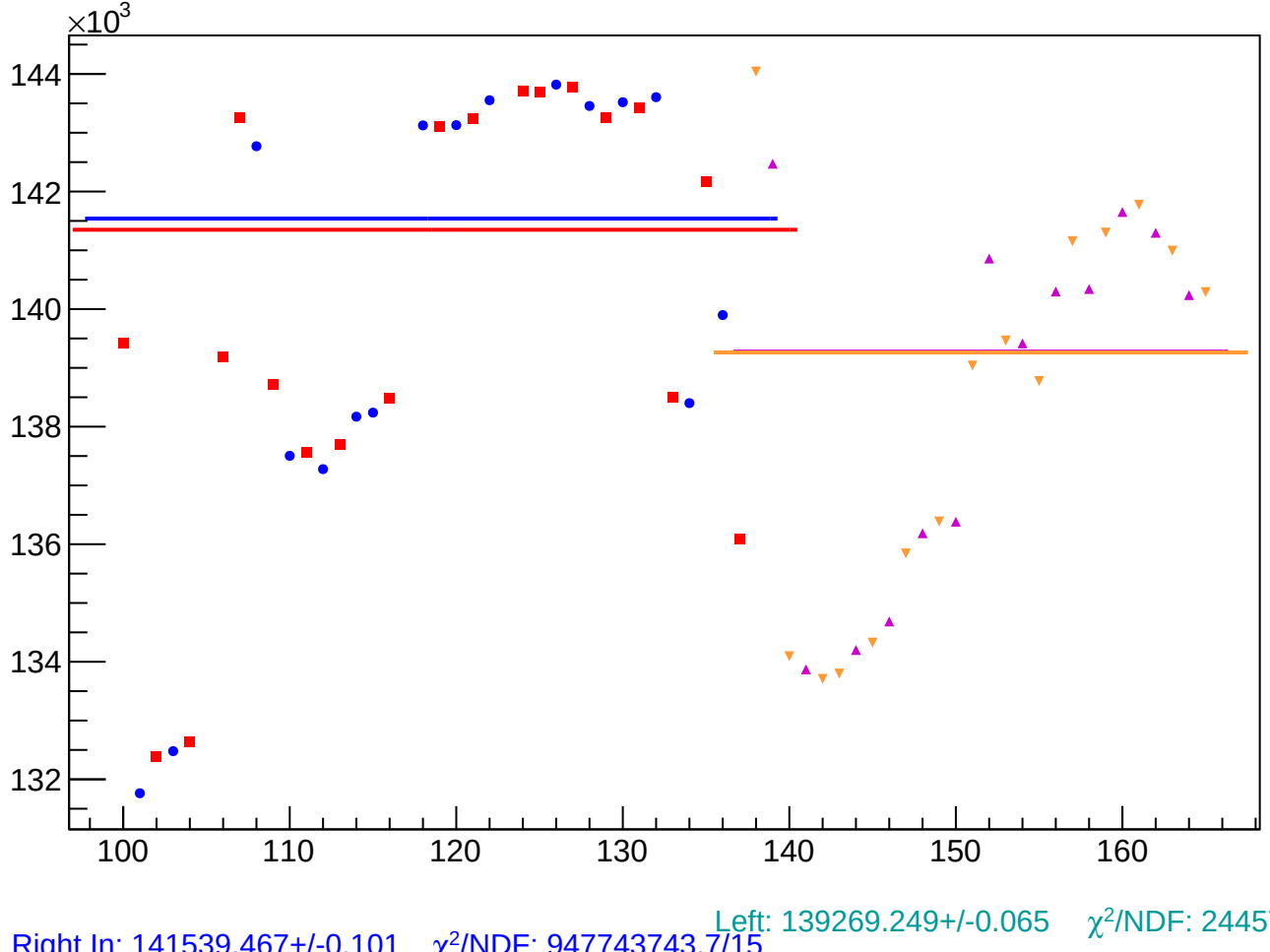
Left: 204.624+/-0.031 χ^2/NDF: 811254.6/27

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

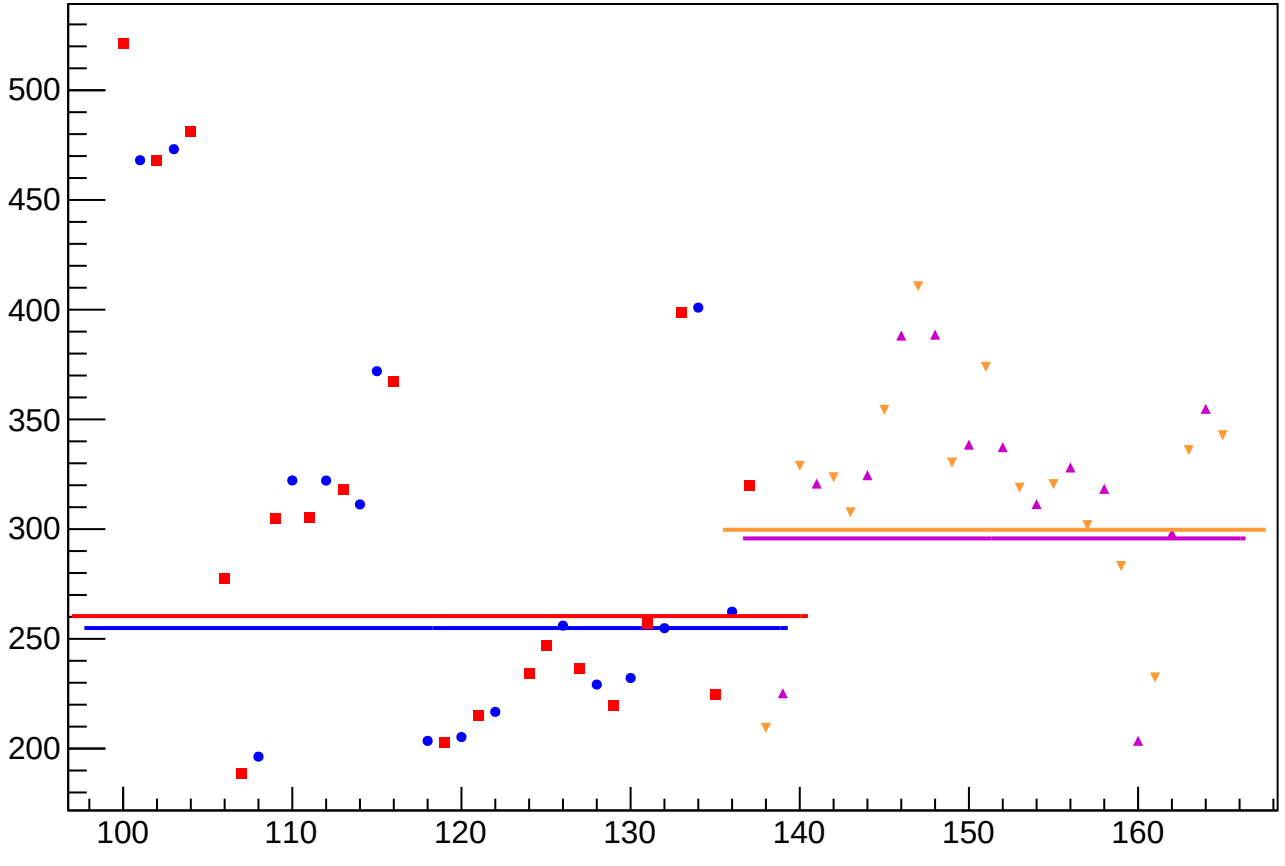
In: 190.746+/-0.033 χ^2/NDF:1610180.4/28

Out: 185.240+/-0.031 χ^2/NDF:2177054.9/33

All: 187.850+/-0.023 χ^2/NDF: 3801974.4/62


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
150
160
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 139261.602+/-0.090 χ²/NDF:1413044572.1/14
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 139277.336+/-0.093 χ²/NDF:1032713038.4/12
Left: 139269.249+/-0.065 χ²/NDF: 2445772426.0/2
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 140313.367+/-0.068 χ²/NDF:2253374219.1/28
Out: 140186.522+/-0.067 χ²/NDF:2577481367.8/3
All: 140249.042+/-0.048 χ²/NDF: 48326085

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 299.721+/-0.064 χ^2/NDF:725034.2/14

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 295.764+/-0.066 χ^2/NDF:820468.7/12

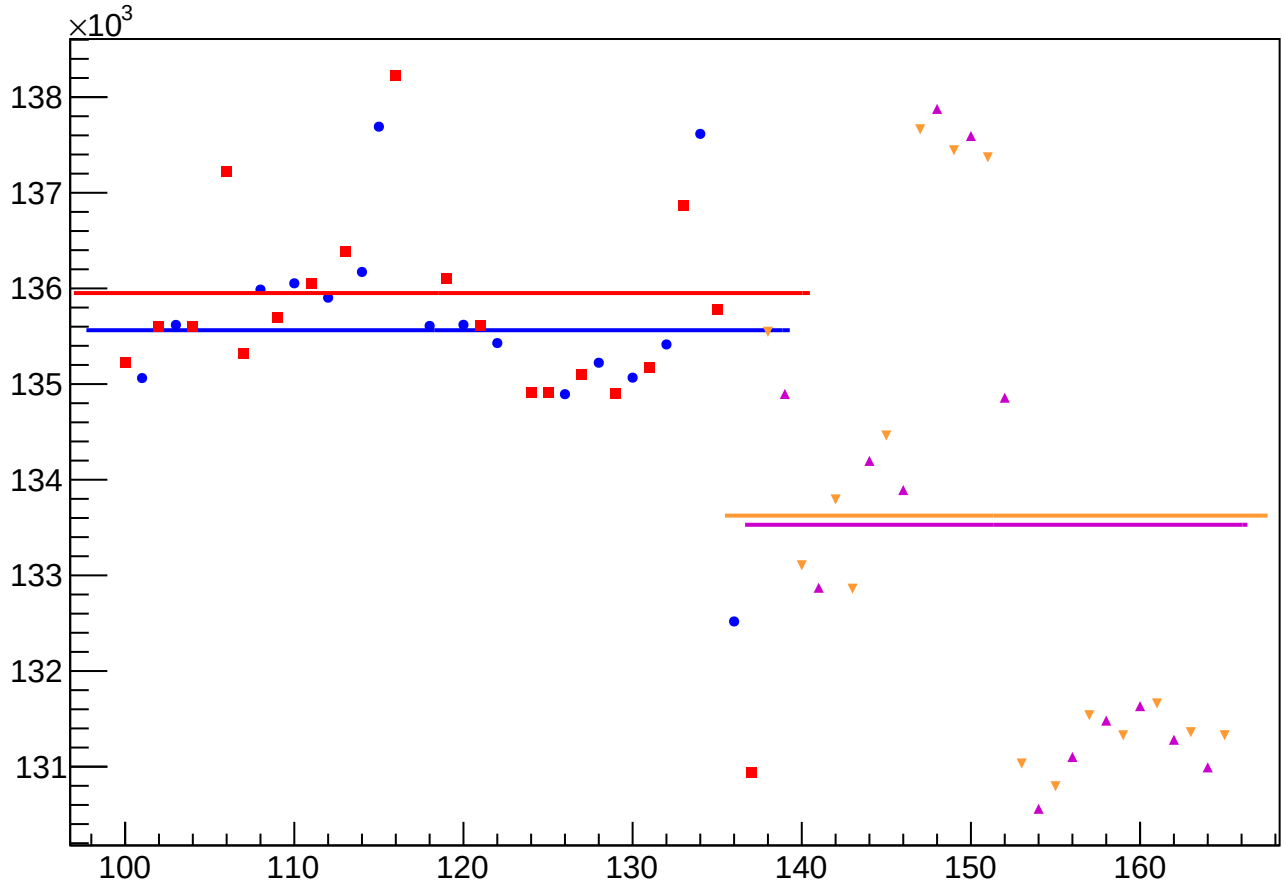
Left: 297.798+/-0.046 χ^2/NDF: 1547377.1/27

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 277.058+/-0.048 χ^2/NDF:1948372.9/28

Out: 282.288+/-0.048 χ^2/NDF:1887271.9/33

All: 279.710+/-0.034 χ^2/NDF: 3841606.8/62



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133625.037+/-0.079 χ^2/NDF:670765825.6/14

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133529.084+/-0.084 χ^2/NDF:530328160.5/12

Left: 133580.231+/-0.058 χ^2/NDF: 1201786958.0/2

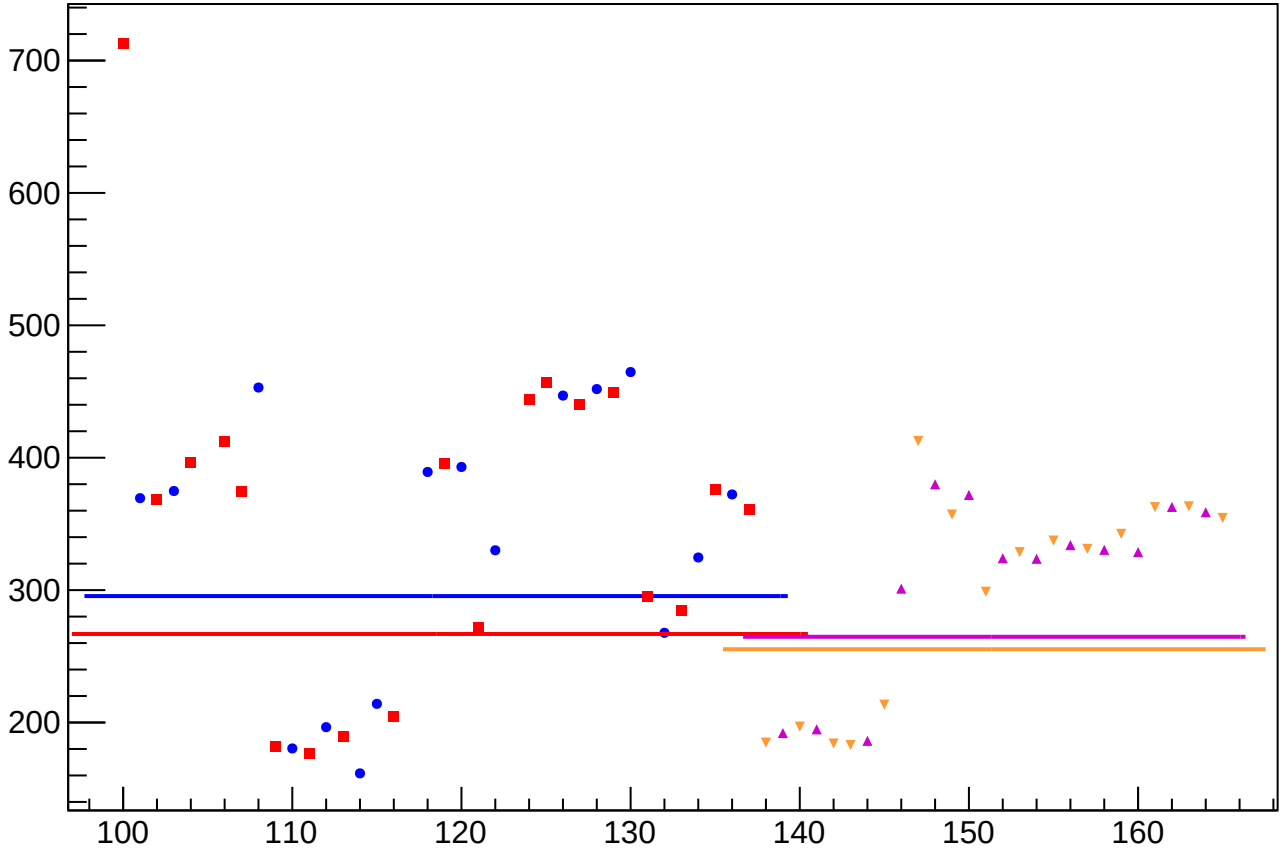
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134212.111+/-0.069 χ^2/NDF:820662105.1/28

Out: 134449.084+/-0.063 χ^2/NDF:1071353773.5/3

All: 134340.084+/-0.047 χ^2/NDF: 18984628

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 255.341+/-0.056 χ^2/NDF:1947446.0/14

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.741+/-0.060 χ^2/NDF:1606743.7/12

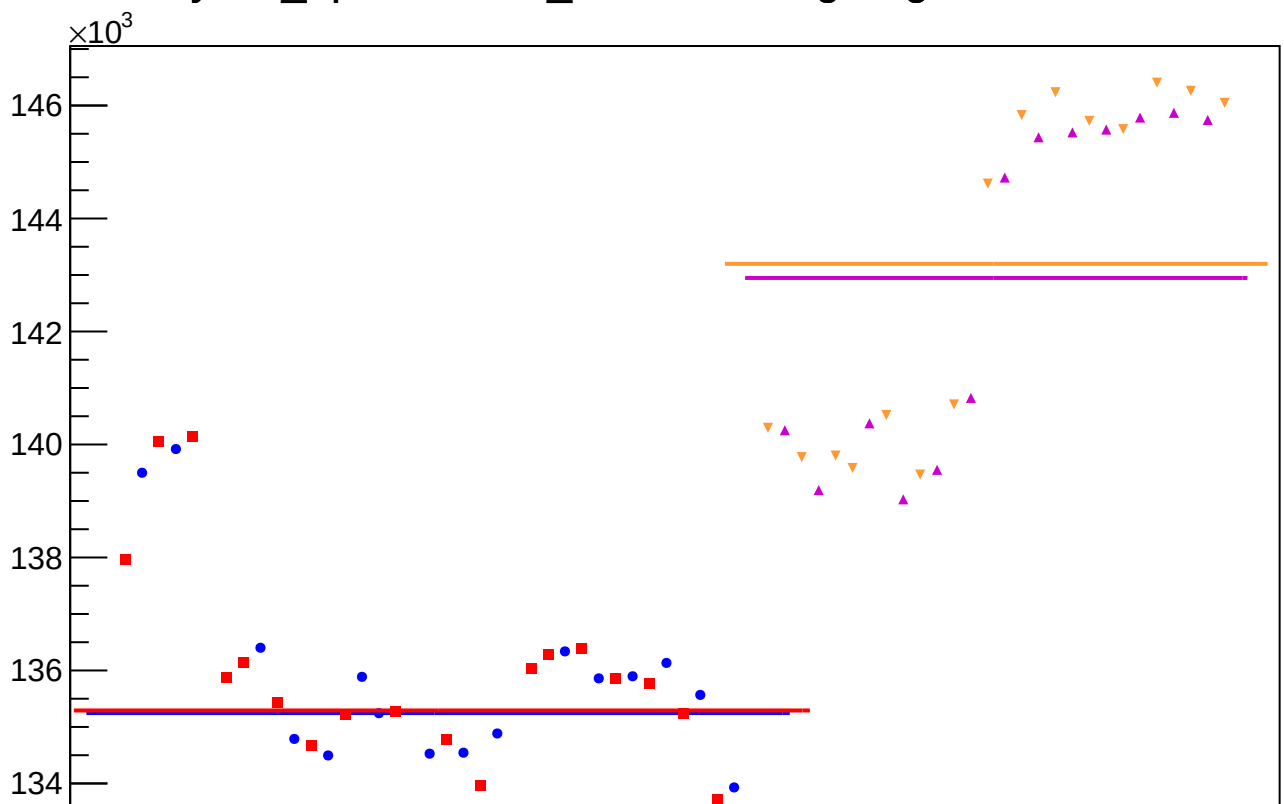
Left: 259.730+/-0.041 χ^2/NDF: 3567490.5/27

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 275.064+/-0.048 χ^2/NDF:3138891.0/28

Out: 259.422+/-0.045 χ^2/NDF:3640681.3/33

All: 266.617+/-0.033 χ^2/NDF: 6835746.7/62



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143197.698+/-0.057 χ^2/NDF:2597691664.9/14

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 142947.904+/-0.061 χ^2/NDF:2149261174.9/12

Left: 143080.767+/-0.042 χ^2/NDF: 4755919058.0/2

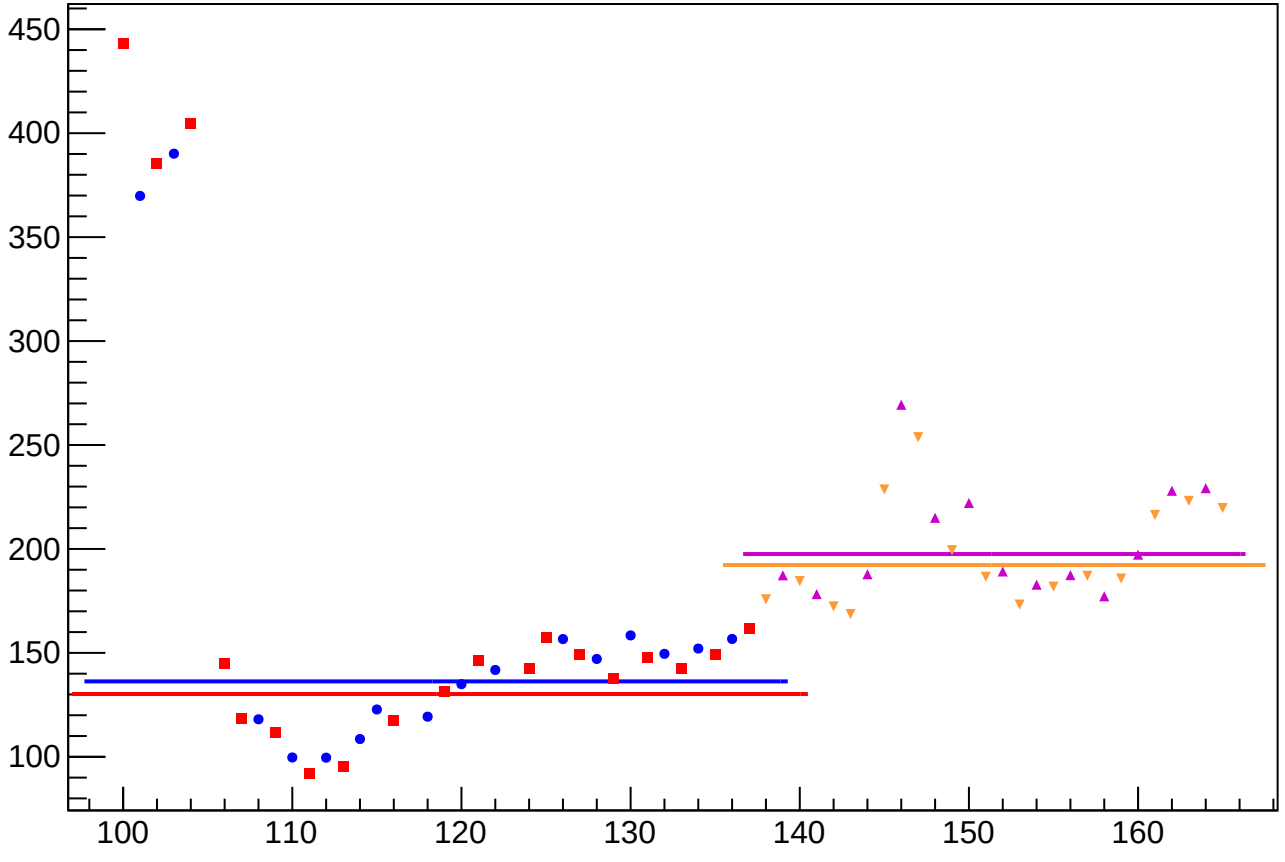
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138690.495+/-0.041 χ^2/NDF:11396014713.1/2

Out: 138858.806+/-0.038 χ^2/NDF:13509429974.9

All: 138779.647+/-0.028 χ^2/NDF: 24914509

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 192.256+/-0.040 χ^2/NDF:292263.9/14

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 197.548+/-0.043 χ^2/NDF:274305.8/12

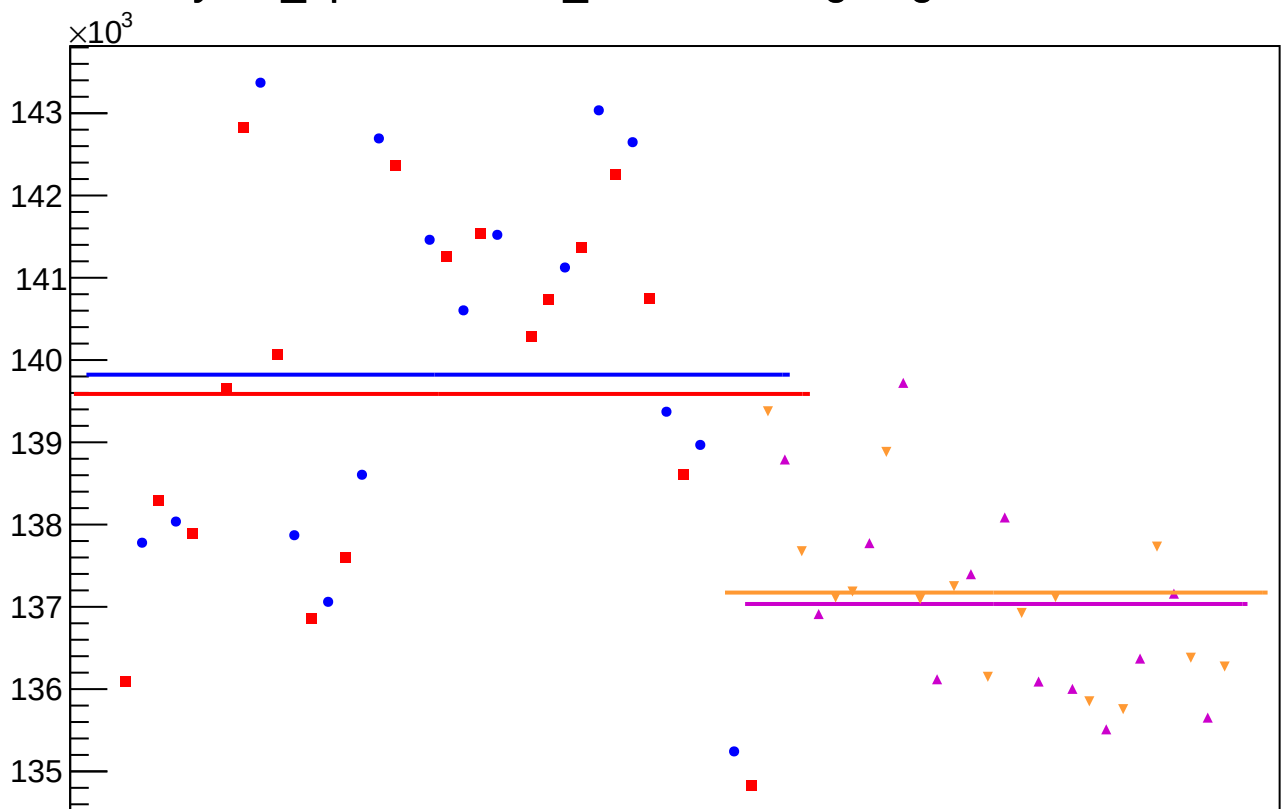
Left: 194.733+/-0.029 χ^2/NDF: 574619.7/27

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 163.682+/-0.029 χ^2/NDF:2779397.2/28

Out: 158.202+/-0.027 χ^2/NDF:3110413.6/33

All: 160.779+/-0.020 χ^2/NDF: 5909035.8/62



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137173.451+/-0.059 χ^2/NDF:304380982.9/14

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137034.790+/-0.062 χ^2/NDF:349782944.4/12

Left: 137107.332+/-0.043 χ^2/NDF: 656793440.7/27

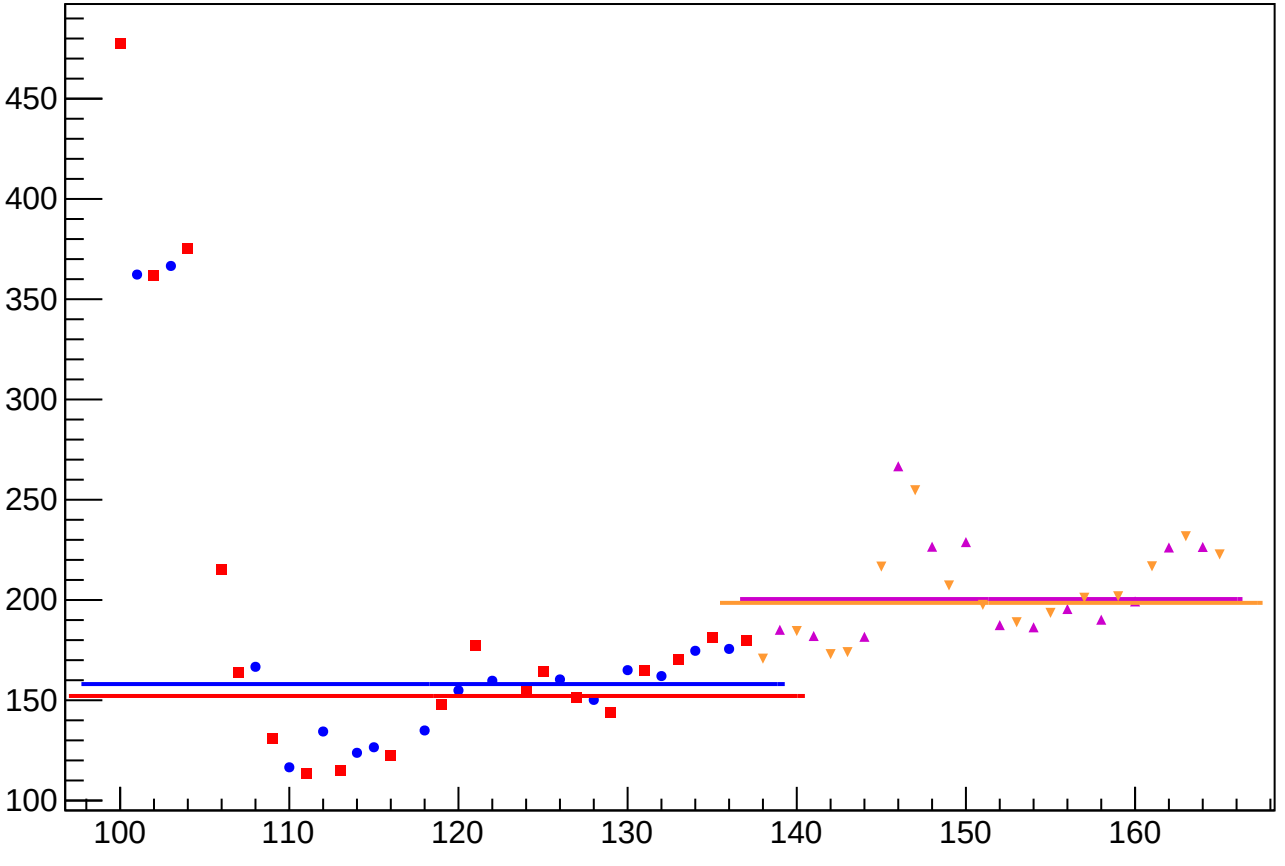
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138411.821+/-0.044 χ^2/NDF:3016546796.5/28

Out: 138366.865+/-0.042 χ^2/NDF:2613735934.2/3

All: 138388.296+/-0.030 χ^2/NDF: 563082913

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 198.577+/-0.042 χ^2/NDF:256719.7/14

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.476+/-0.044 χ^2/NDF:262353.8/12

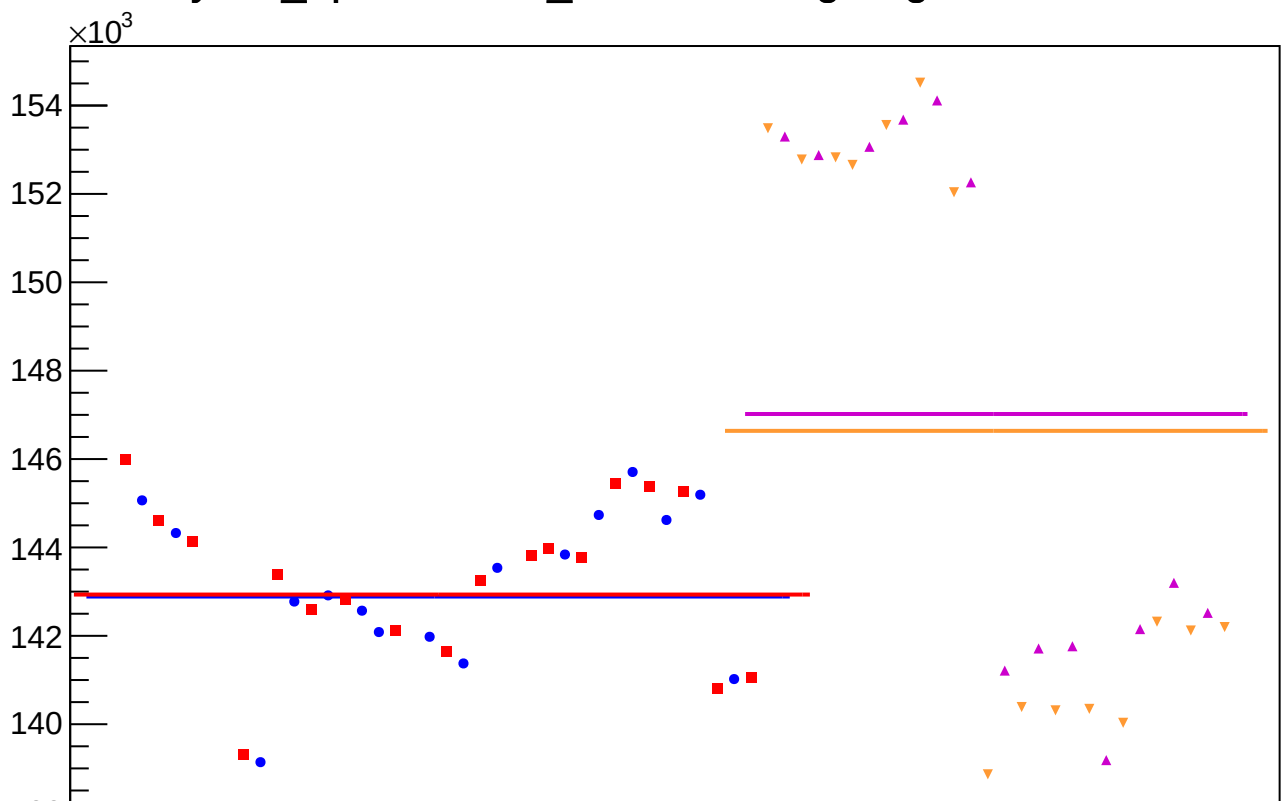
Left: 199.482+/-0.030 χ^2/NDF: 520059.4/27

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 179.530+/-0.031 χ^2/NDF:1744555.9/28

Out: 175.623+/-0.030 χ^2/NDF:2097212.6/33

All: 177.486+/-0.021 χ^2/NDF: 3850022.8/62



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146638.261+/-0.060 χ^2/NDF:10928371666.6/14

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 147019.727+/-0.063 χ^2/NDF:8848888088.0/12

Left: 146820.402+/-0.043 χ^2/NDF: 19796584112.5

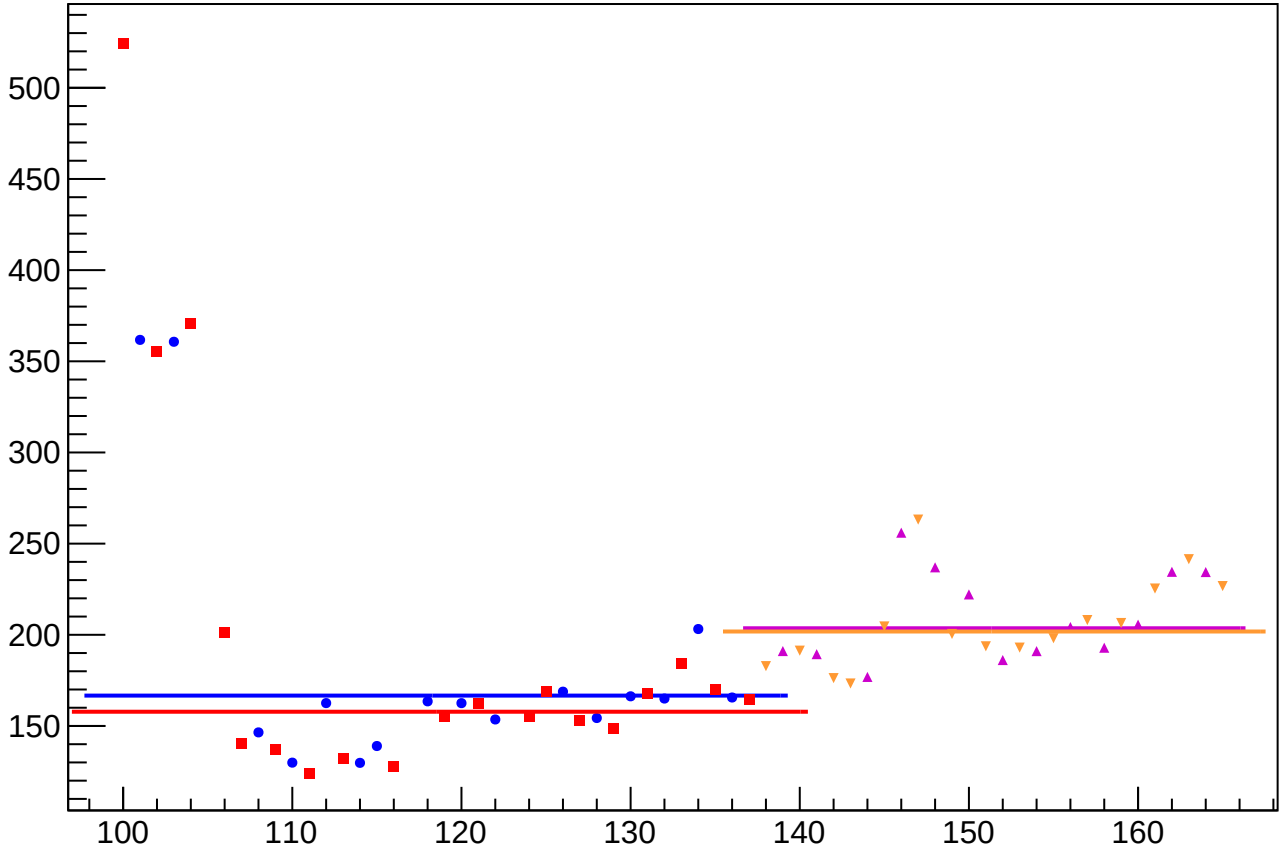
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145049.630+/-0.045 χ^2/NDF:11680234370.4/2

Out: 144834.068+/-0.043 χ^2/NDF:13574587514.1

All: 144935.949+/-0.031 χ^2/NDF: 252667296

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 201.807+/-0.042 χ^2/NDF:256015.9/14

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 203.583+/-0.044 χ^2/NDF:249491.3/12

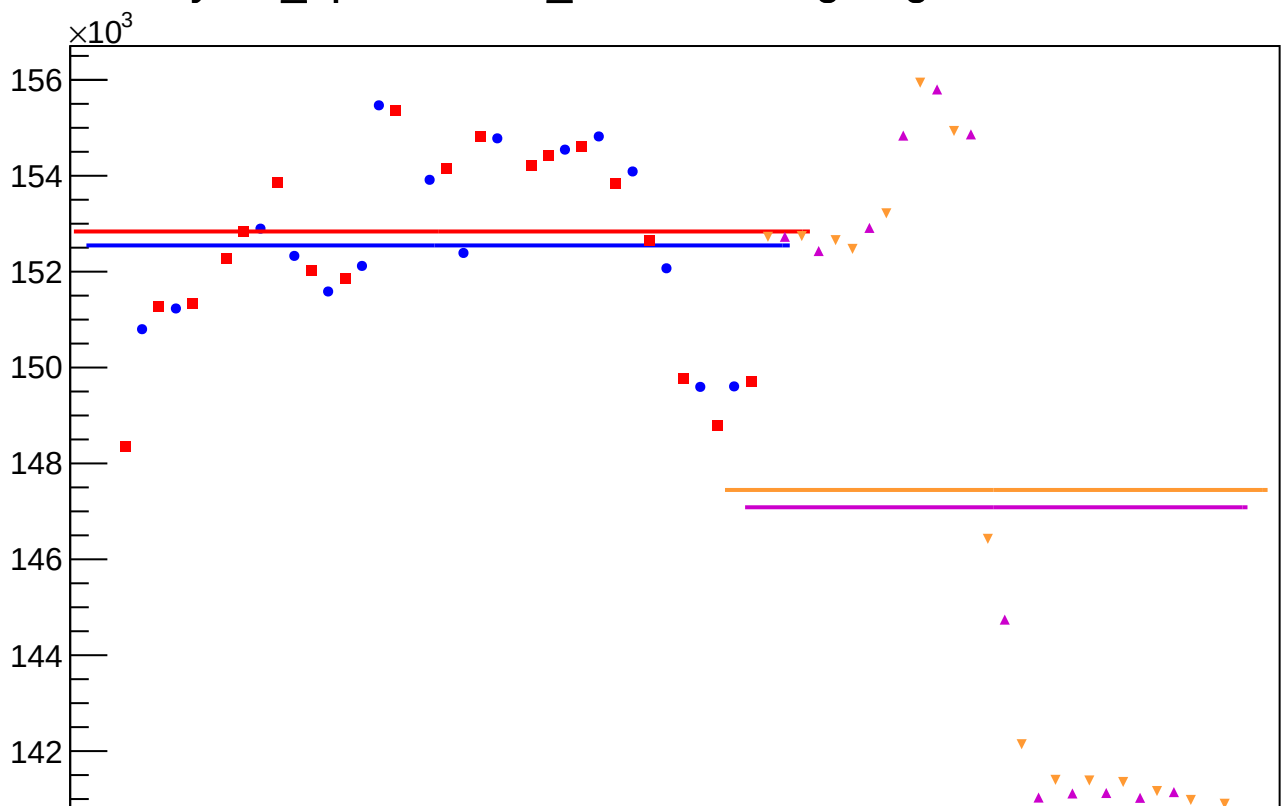
Left: 202.655+/-0.031 χ^2/NDF: 506345.4/27

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 185.970+/-0.032 χ^2/NDF:1443660.3/28

Out: 180.378+/-0.030 χ^2/NDF:1802790.5/33

All: 183.021+/-0.022 χ^2/NDF: 3262477.1/62



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147446.699+/-0.060 χ^2/NDF:9435898810.4/14

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

Left: 147273.915+/-0.043 χ^2/NDF: 19010577724.1

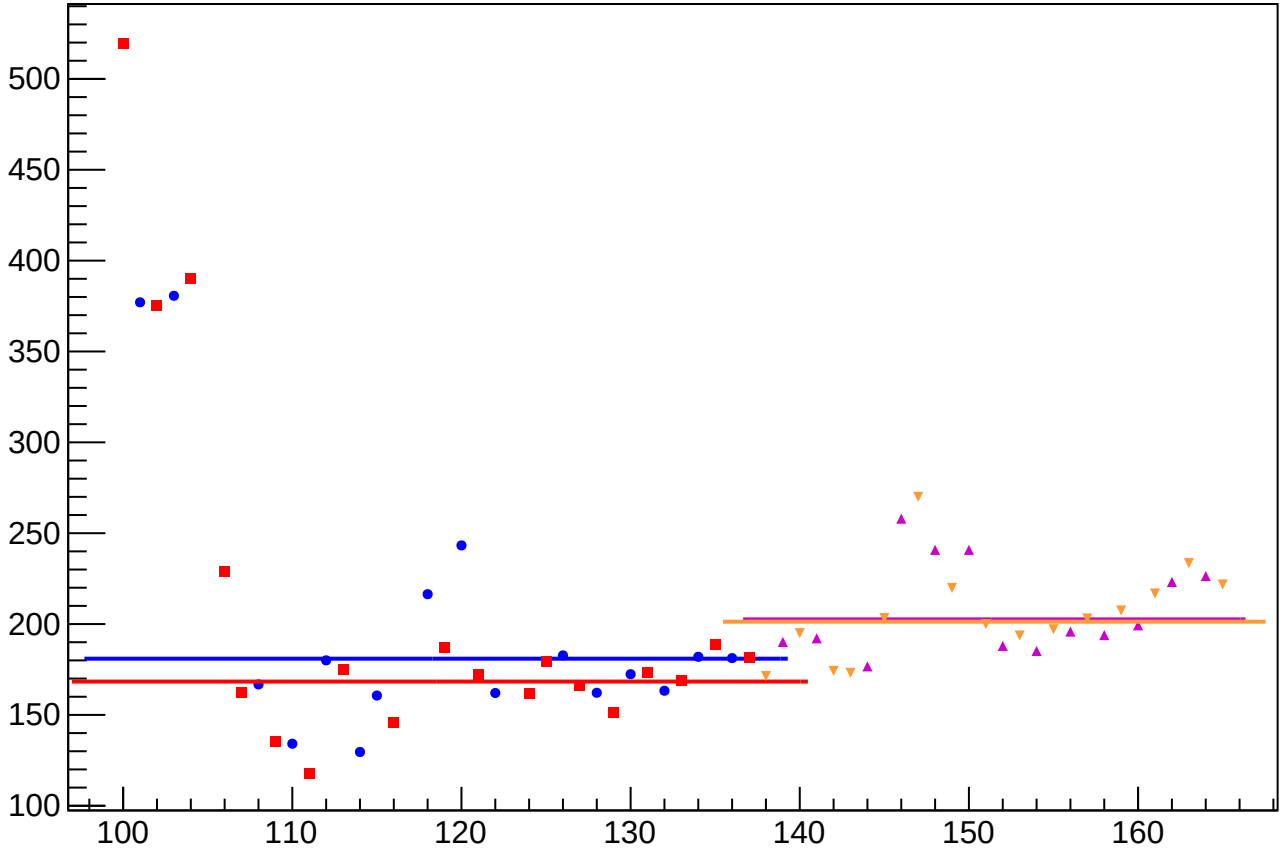
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149397.874+/-0.047 χ^2/NDF:13473209087.6/2

Out: 149841.048+/-0.044 χ^2/NDF:13808753365.6

All: 149633.112+/-0.032 χ^2/NDF: 27328657

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 201.303+/-0.042 χ^2/NDF:283412.0/14

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

Left: 201.911+/-0.030 χ^2/NDF: 557934.3/27

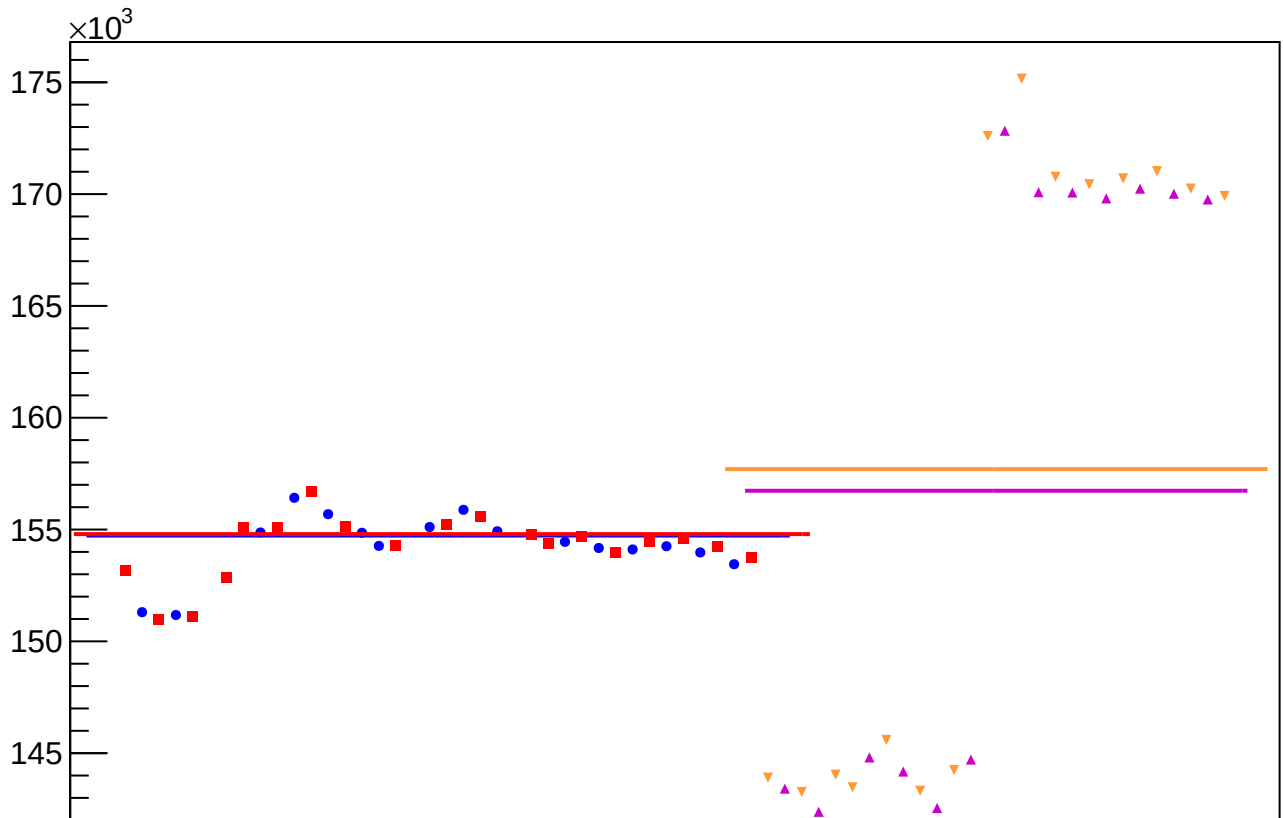
Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 193.414+/-0.033 χ^2/NDF:1284220.4/28

Out: 186.668+/-0.031 χ^2/NDF:1644209.5/33

All: 189.833+/-0.023 χ^2/NDF: 2950068.7/62

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157702.220+/-0.055 χ^2/NDF:63201356441.1/14

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 156734.824+/-0.058 χ^2/NDF:54072926523.1/12

Left: 157241.228+/-0.040 χ^2/NDF: 117419873417.

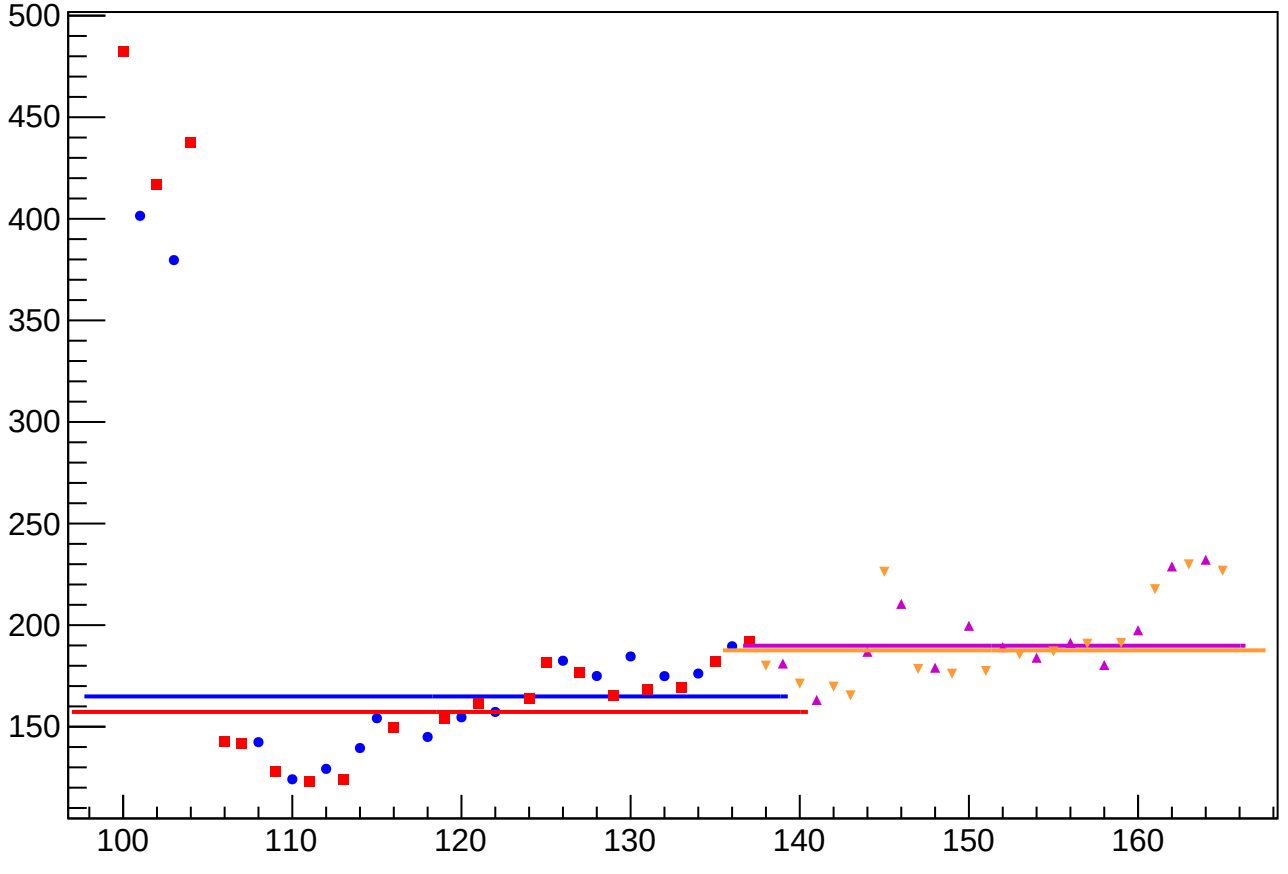
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 155850.371+/-0.043 χ^2/NDF:54873525439.8/2

Out: 156391.506+/-0.041 χ^2/NDF:64749102245.2/

All: 156135.865+/-0.030 χ^2/NDF: 11970488

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 187.589+/-0.039 χ^2/NDF:244509.3/14

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 189.877+/-0.041 χ^2/NDF:173241.5/12

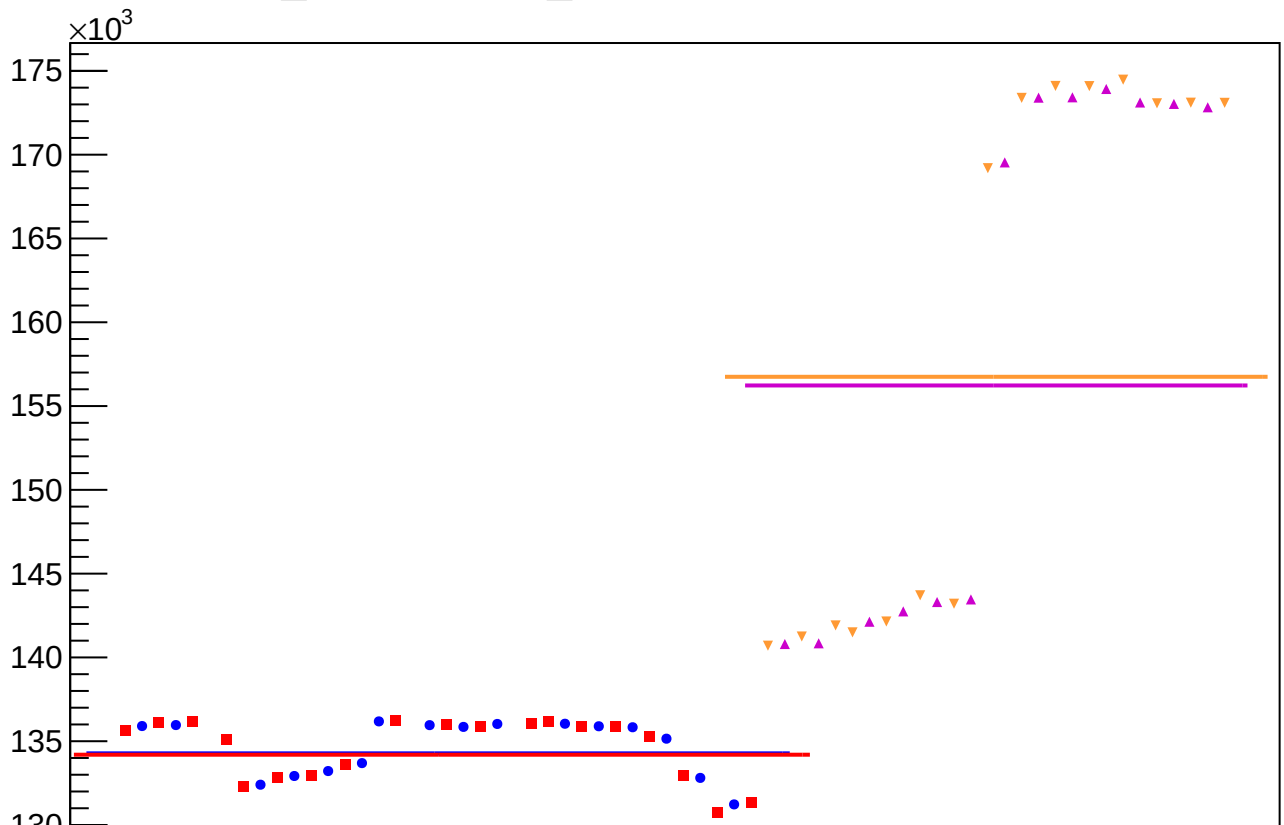
Left: 188.679+/-0.028 χ^2/NDF: 419379.8/27

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 178.844+/-0.031 χ^2/NDF:1409732.4/28

Out: 173.921+/-0.029 χ^2/NDF:1769792.1/33

All: 176.247+/-0.021 χ^2/NDF: 3193136.5/62



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 156746.264+/-0.056 χ^2/NDF:77070653142.2/14

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 156228.549+/-0.059 χ^2/NDF:67898931825.0/12

Left: 156500.637+/-0.040 χ^2/NDF: 145010503409.

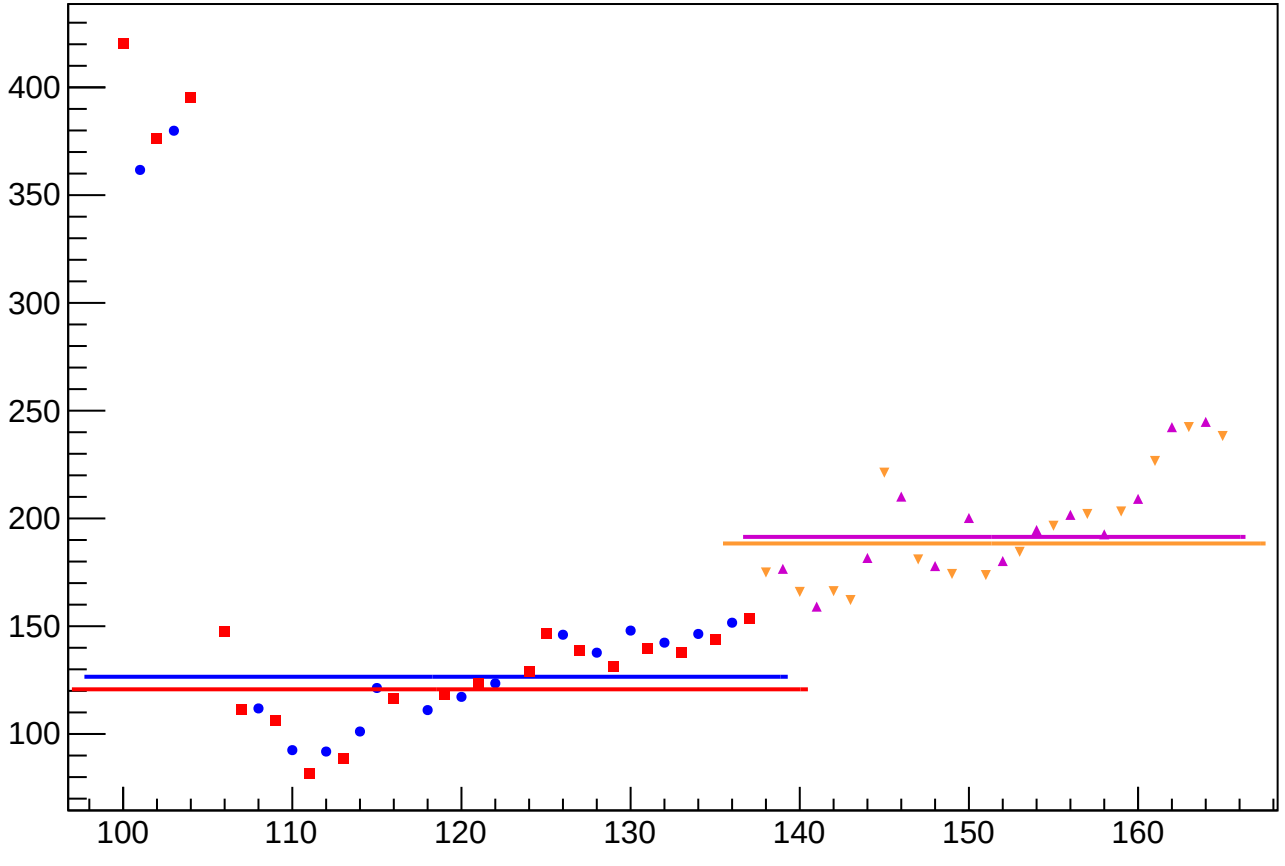
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 143686.984+/-0.038 χ^2/NDF:149016624289.5

Out: 143790.177+/-0.036 χ^2/NDF:172289854513.

All: 143741.411+/-0.026 χ^2/NDF: 32131028

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 188.387+/-0.039 χ^2/NDF:359014.1/14

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 191.441+/-0.041 χ^2/NDF:265521.3/12

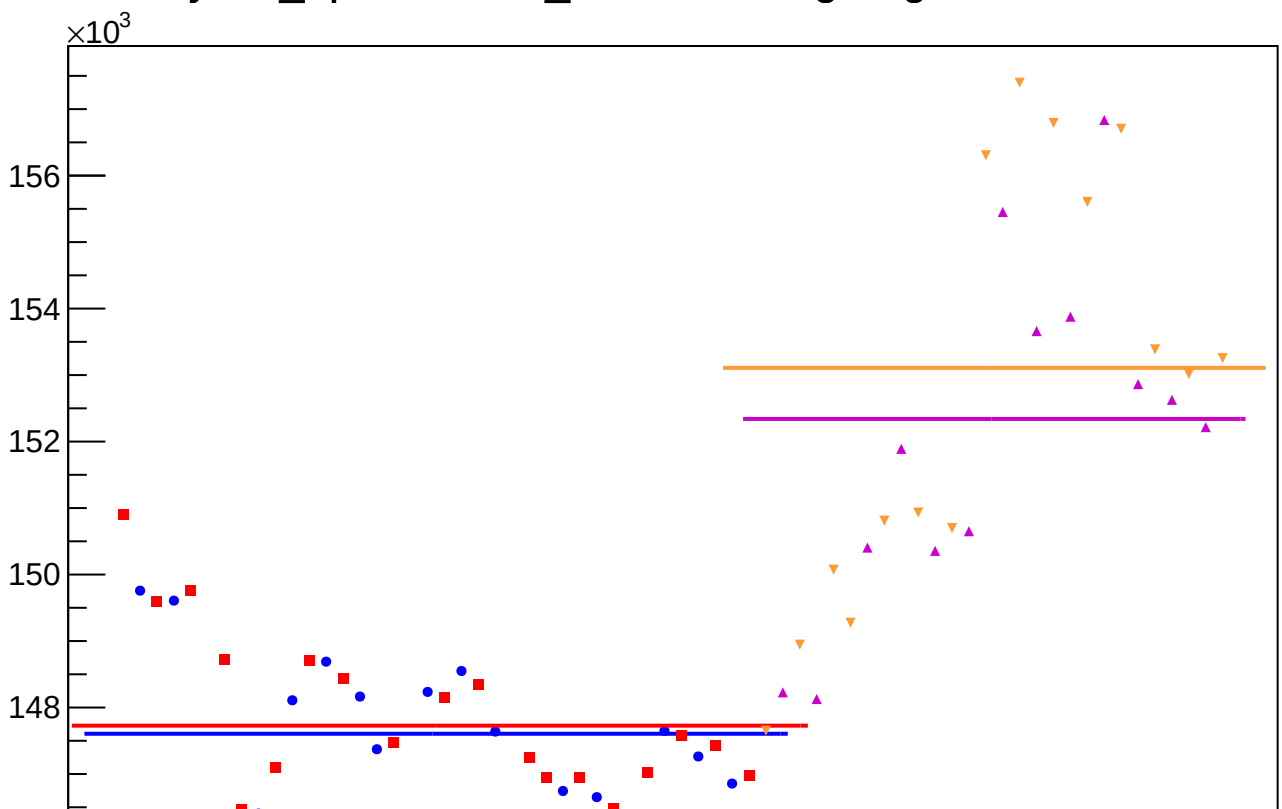
Left: 189.836+/-0.029 χ^2/NDF: 627383.0/27

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 154.369+/-0.027 χ^2/NDF:3140522.5/28

Out: 149.513+/-0.026 χ^2/NDF:3684533.7/33

All: 151.807+/-0.019 χ^2/NDF: 6841913.8/62



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153108.365+/-0.061 χ^2/NDF:2908454391.0/14

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152340.519+/-0.064 χ^2/NDF:1709991750.2/12

Left: 152741.815+/-0.044 χ^2/NDF: 4694219948.7/2

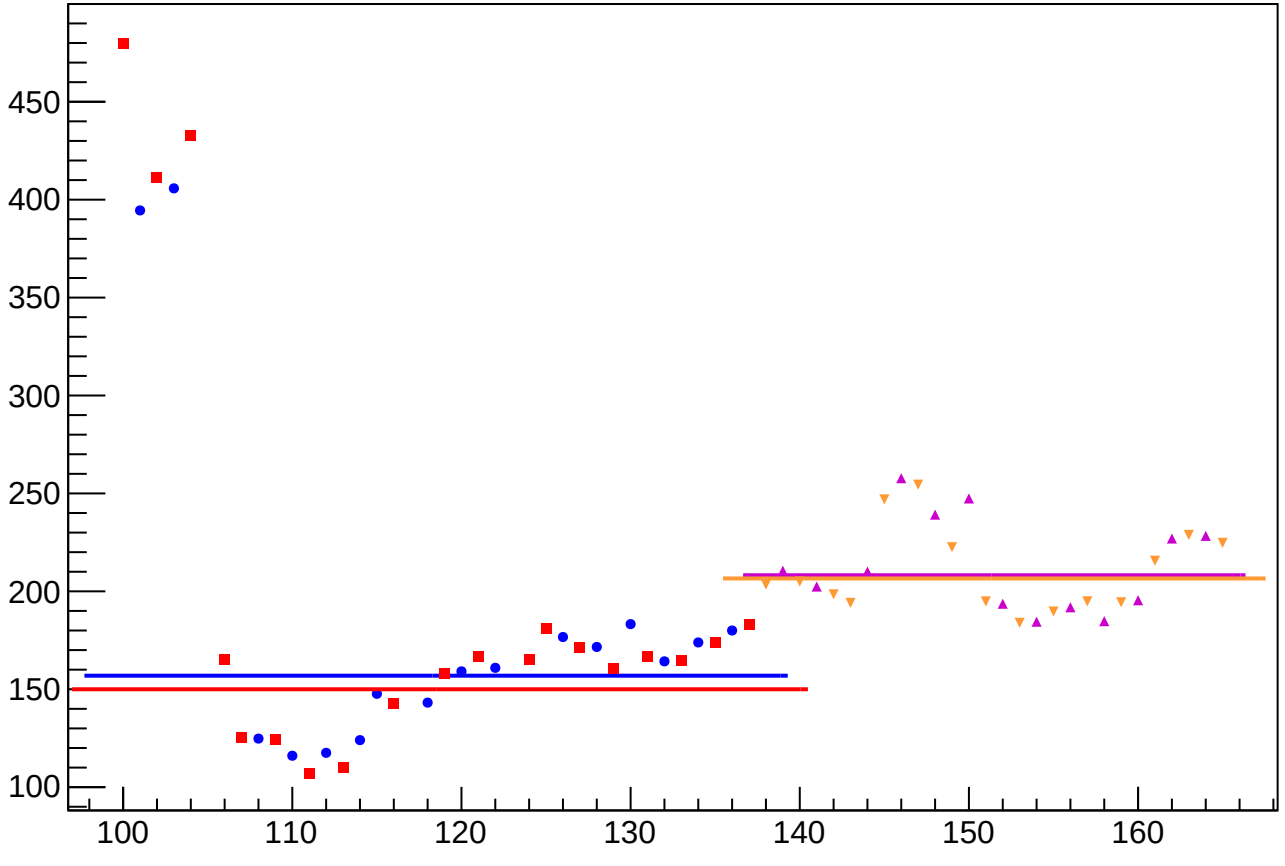
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149924.499+/-0.045 χ^2/NDF:4723657030.1/28

Out: 150327.634+/-0.042 χ^2/NDF:7131500820.5/3

All: 150136.538+/-0.031 χ^2/NDF: 11898079

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 206.572+/-0.043 χ^2/NDF:200274.7/14

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 208.216+/-0.045 χ^2/NDF:243942.3/12

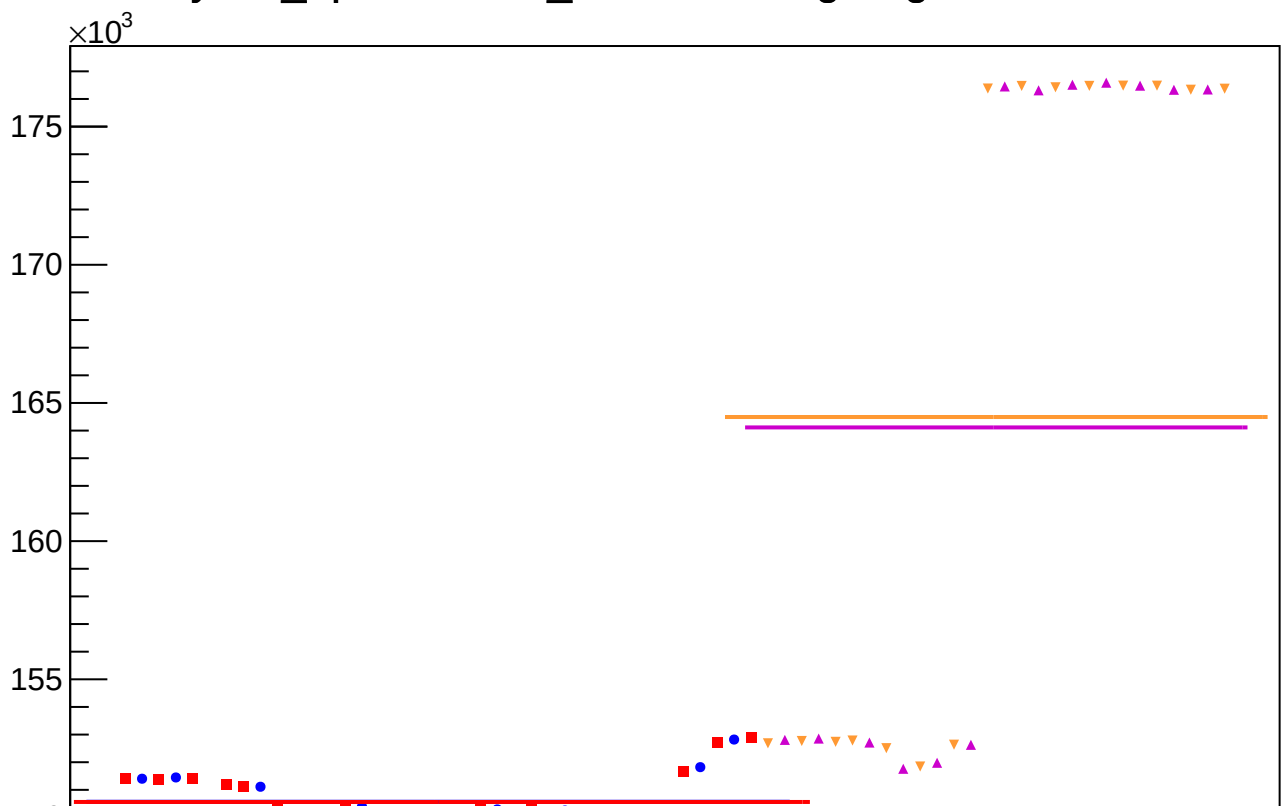
Left: 207.357+/-0.031 χ^2/NDF: 444911.6/27

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 182.046+/-0.032 χ^2/NDF:2169869.4/28

Out: 177.333+/-0.030 χ^2/NDF:2544954.0/33

All: 179.567+/-0.022 χ^2/NDF: 4726553.4/62



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164491.500+/-0.054 χ^2/NDF:48452443763.7/14

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

Left: 164312.984+/-0.039 χ^2/NDF: 92393324314.4

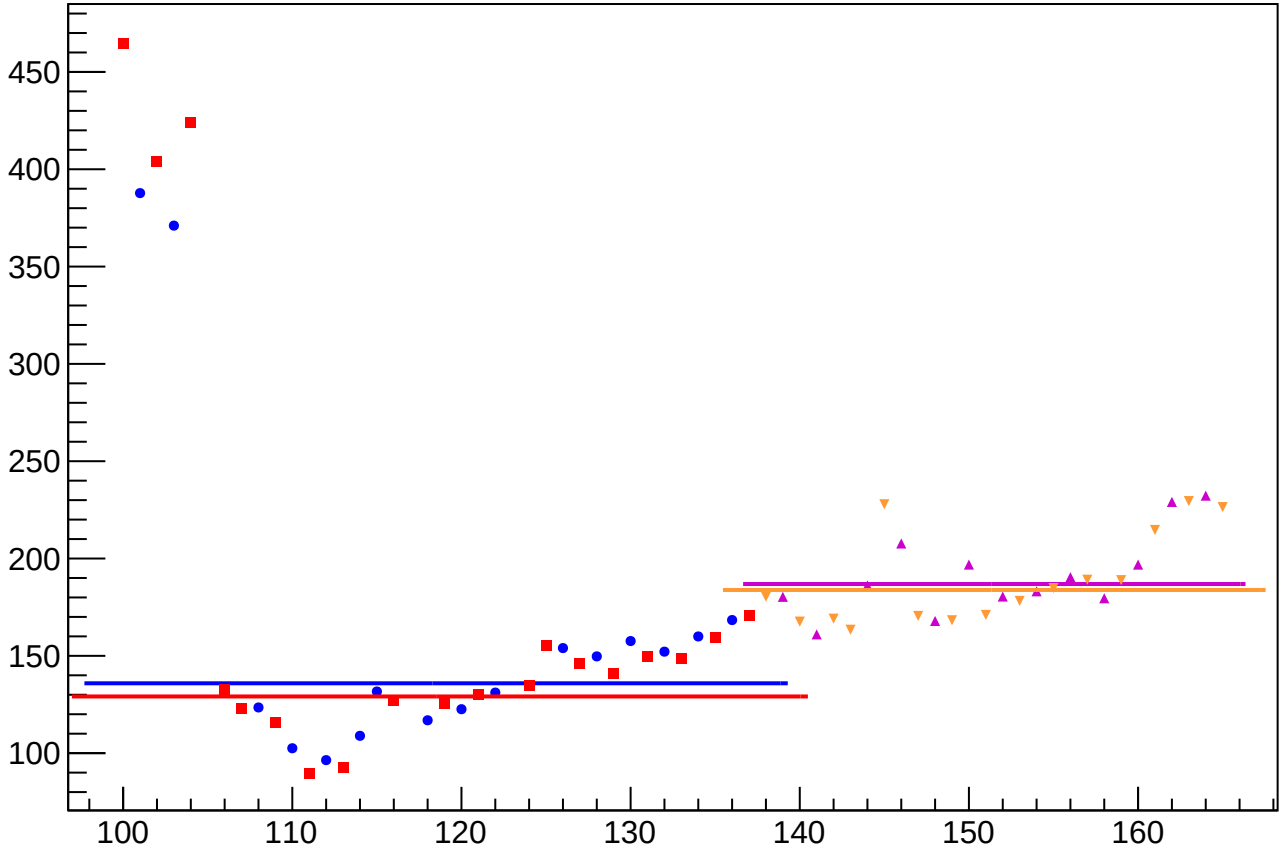
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 157033.423+/-0.039 χ^2/NDF:73519209307.9/2

Out: 157095.417+/-0.037 χ^2/NDF:83666983166.2

All: 157066.308+/-0.027 χ^2/NDF: 15718750

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 183.848+/-0.038 χ^2/NDF:287994.3/14

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

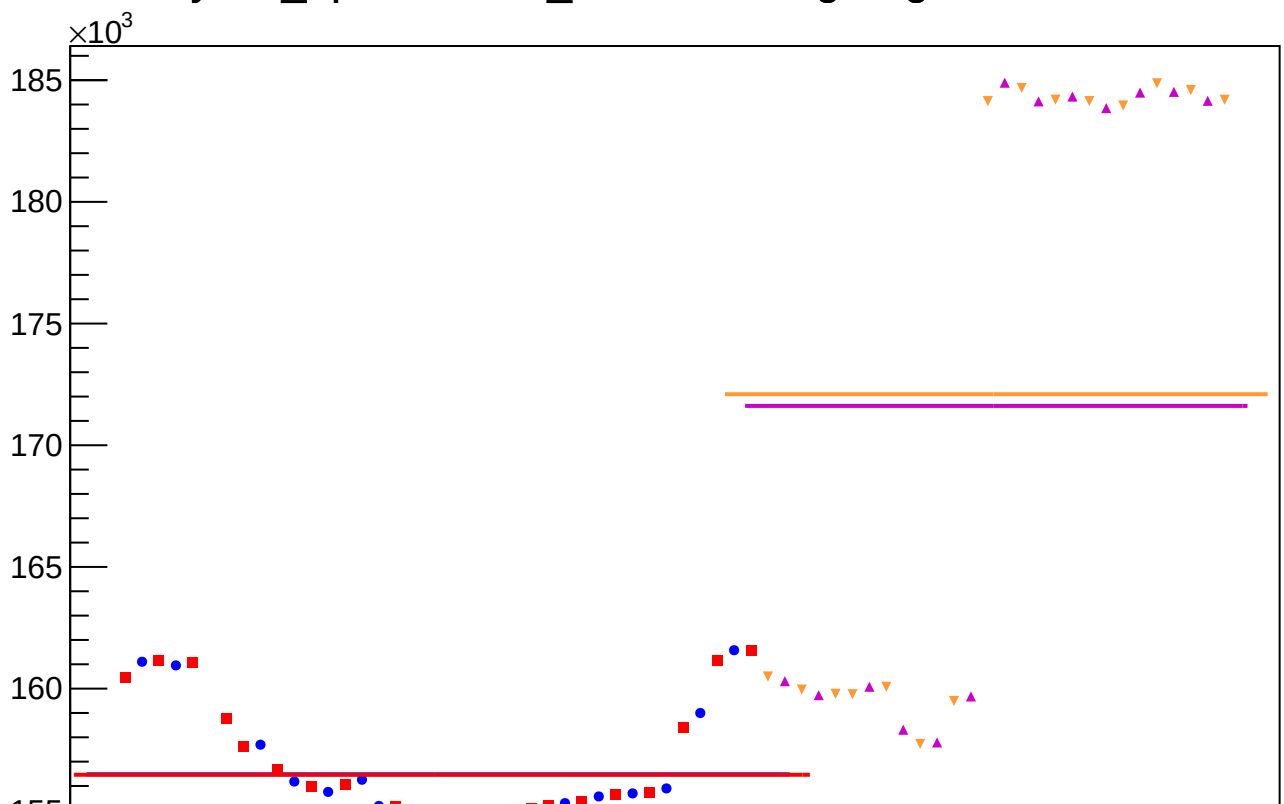
Left: 185.296+/-0.028 χ^2/NDF: 491650.6/27

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 160.239+/-0.028 χ^2/NDF:2449682.3/28

Out: 154.795+/-0.026 χ^2/NDF:2982901.7/33

All: 157.352+/-0.019 χ^2/NDF: 5452750.2/62



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 172096.233+/-0.056 χ^2/NDF:48864782517.8/14

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 171616.103+/-0.059 χ^2/NDF:45053835712.5/12

Left: 171868.126+/-0.041 χ^2/NDF: 93953409247.7/

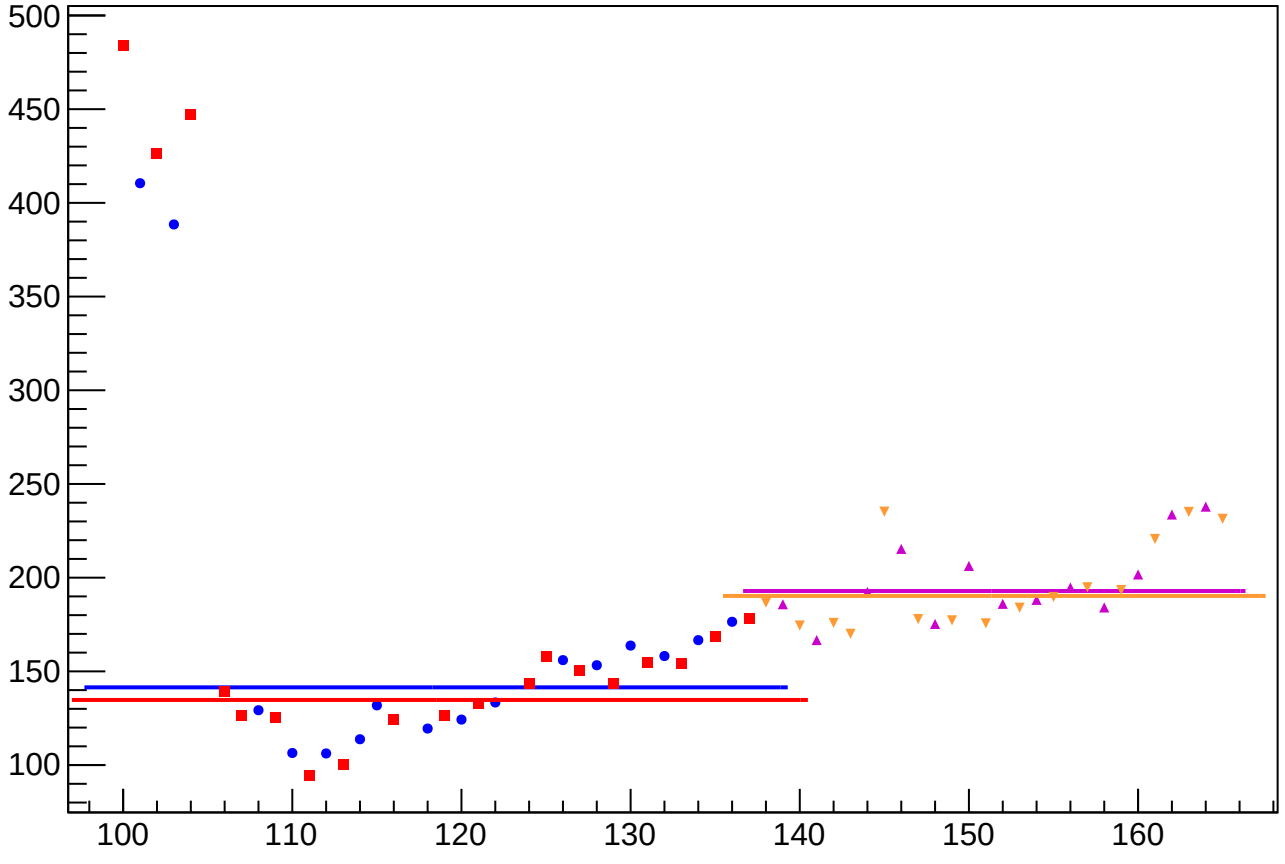
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 163764.825+/-0.041 χ^2/NDF:80515273630.1/2

Out: 163852.096+/-0.039 χ^2/NDF:90913312420.2

All: 163811.027+/-0.028 χ^2/NDF: 17143099

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 190.258+/-0.040 χ^2/NDF:262922.4/14

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 192.891+/-0.042 χ^2/NDF:190385.9/12

Left: 191.509+/-0.029 χ^2/NDF: 455400.7/27

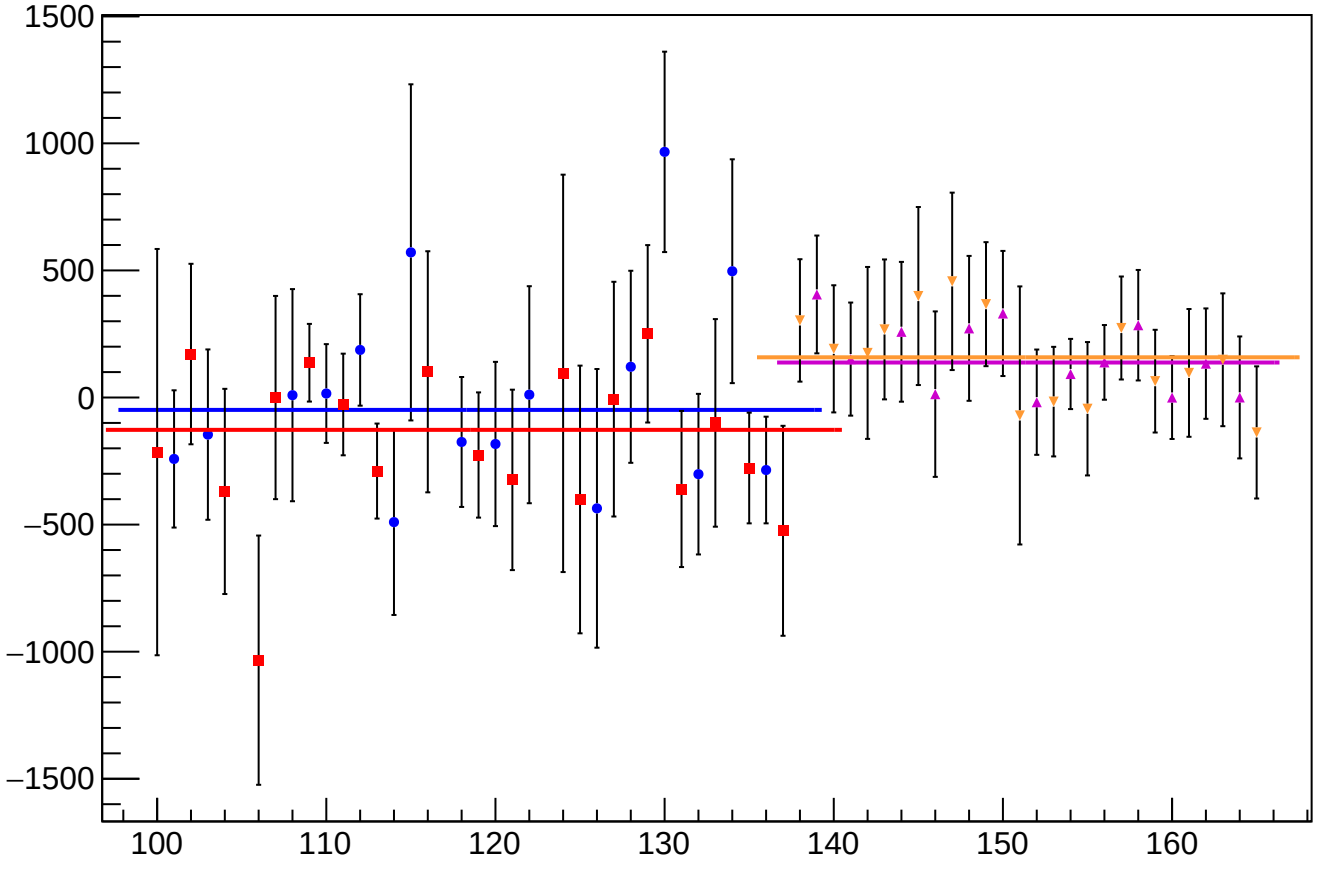
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 166.221+/-0.029 χ^2/NDF:2370908.1/28

Out: 160.988+/-0.027 χ^2/NDF:2874252.7/33

All: 163.451+/-0.020 χ^2/NDF: 5262479.7/62

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 158.207+/-67.057 χ^2/NDF:5.8/14

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 137.662+/-56.826 χ^2/NDF:4.7/12

Left: 146.249+/-43.353 χ^2/NDF: 10.6/27

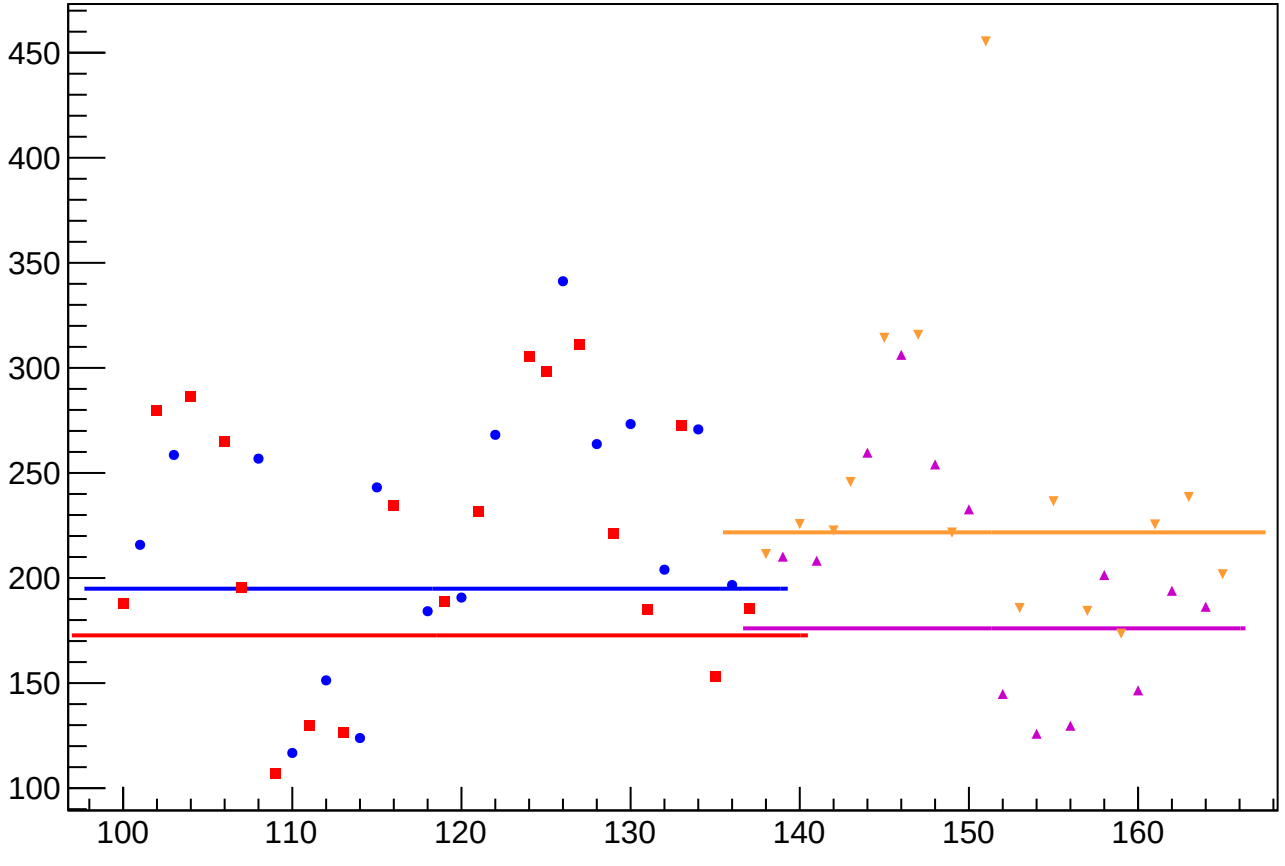
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.480+/-45.637 χ^2/NDF:23.9/28

Out: 18.529+/-47.921 χ^2/NDF:27.6/33

All: 46.296+/-33.048 χ^2/NDF: 52.1/62

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.734+/-0.047 χ^2/NDF:992331.8/14

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

Left: 195.145+/-0.031 χ^2/NDF: 2996363.3/27

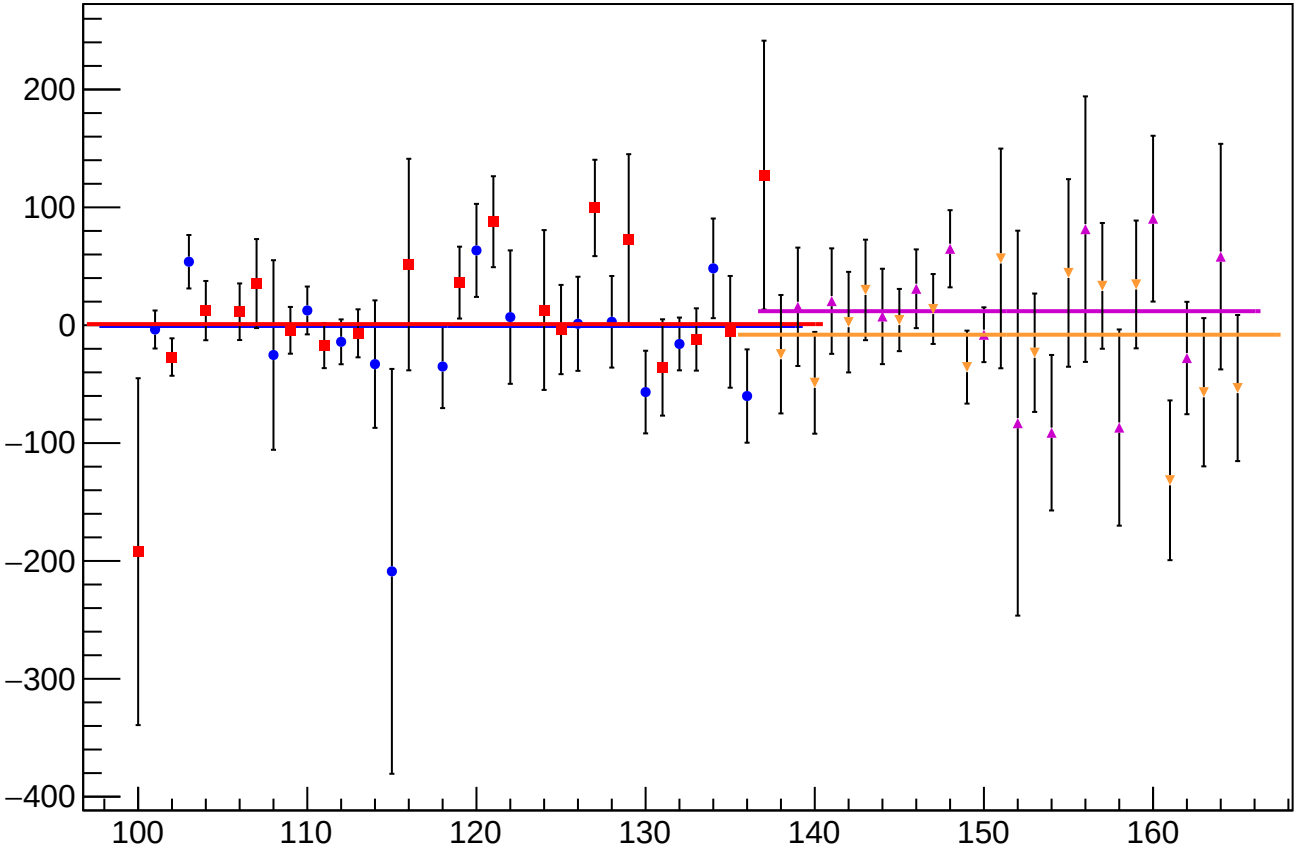
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.750+/-0.032 χ^2/NDF:2570970.8/28

Out: 197.743+/-0.034 χ^2/NDF:3146868.8/33

All: 189.881+/-0.023 χ^2/NDF: 5820502.1/62

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.047+/-11.368 χ^2/NDF:10.1/14

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 11.903+/-12.474 χ^2/NDF:10.5/12

Left: 1.005+/-8.402 χ^2/NDF: 22.0/27

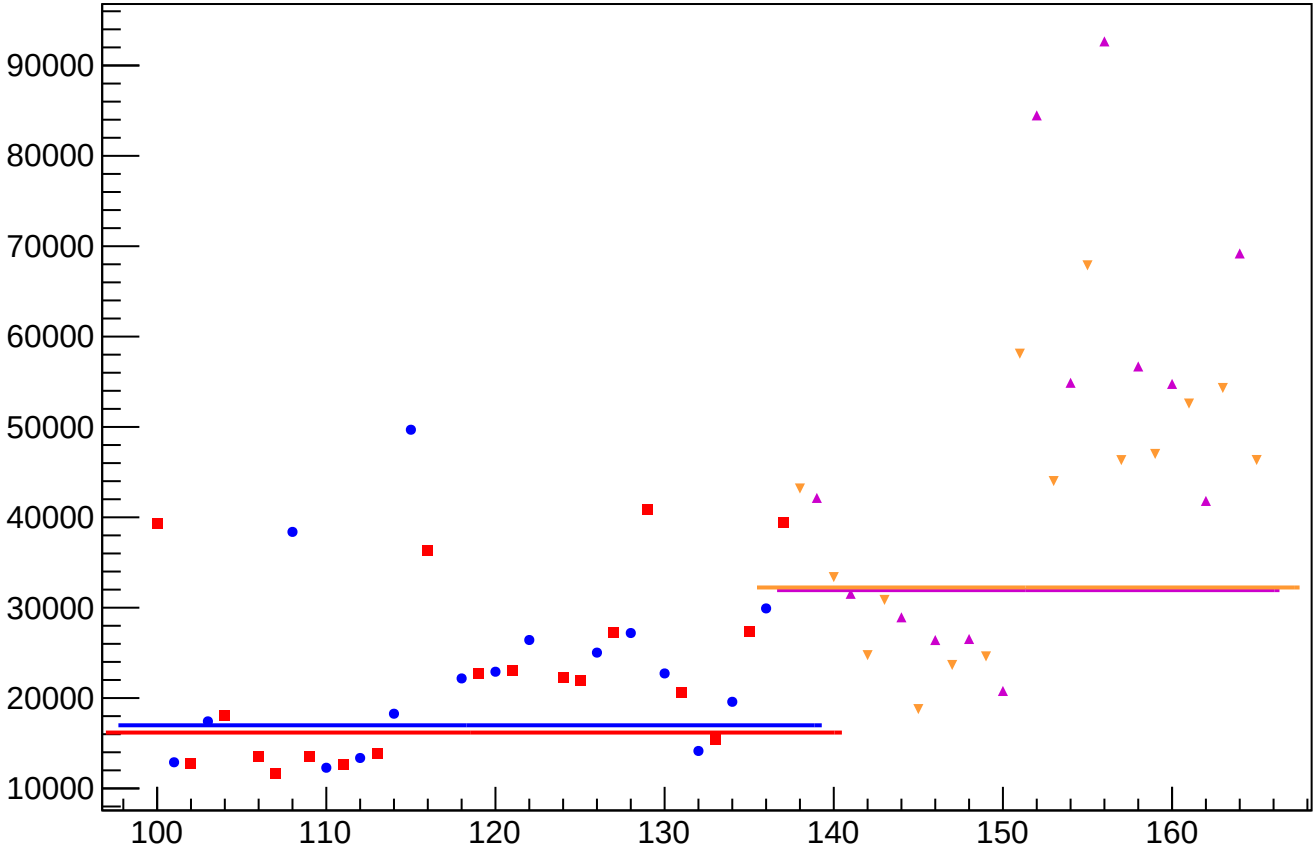
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.598+/-6.326 χ^2/NDF:30.1/28

Out: -1.413+/-5.815 χ^2/NDF:33.6/33

All: 0.424+/-4.281 χ^2/NDF: 63.9/62

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32236.319+/-8.038 χ^2/NDF:2451989.7/14

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 31943.476+/-8.820 χ^2/NDF:2469754.4/12

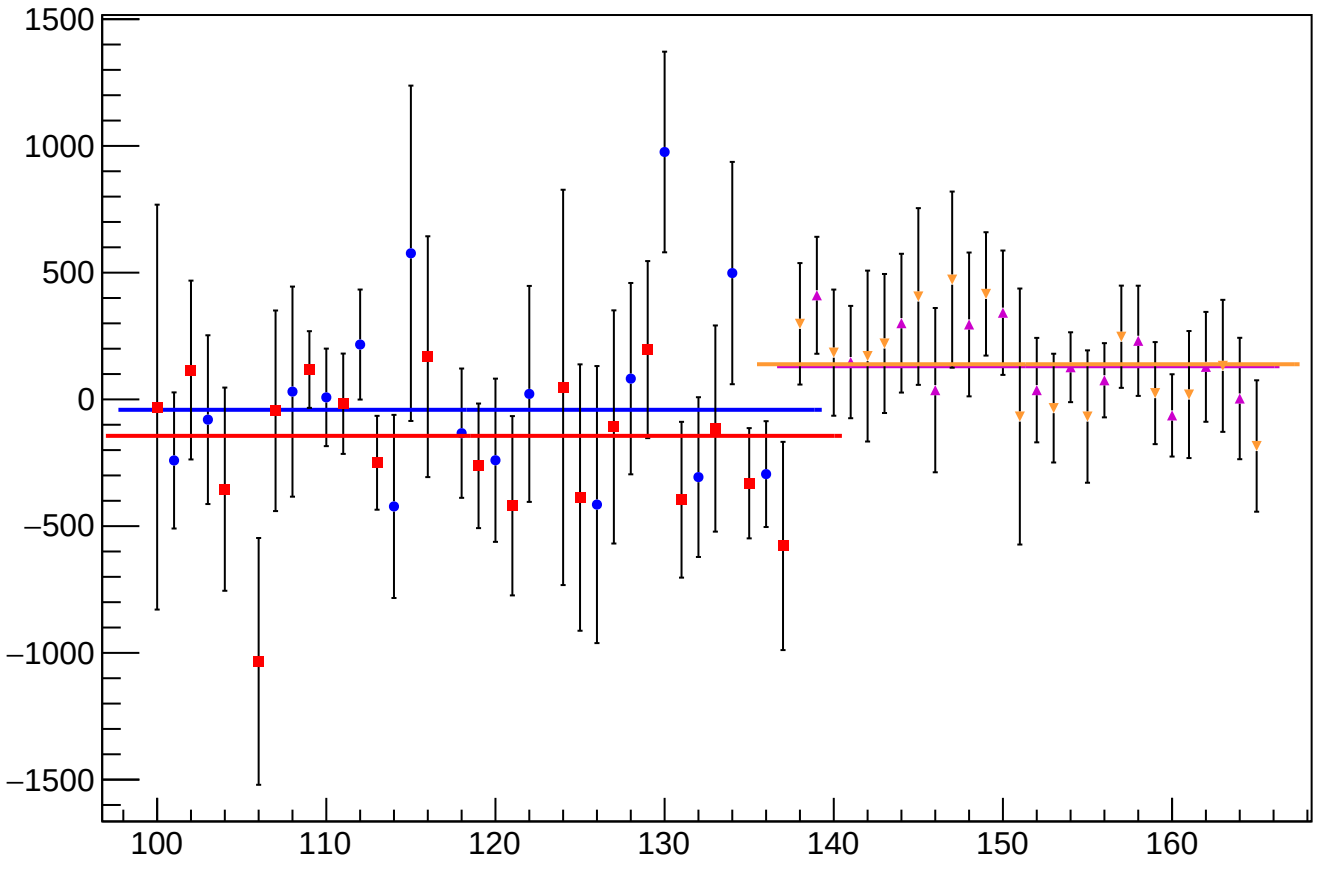
Left: 32103.453+/-5.941 χ^2/NDF: 4922346.2/27

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 20833.554+/-4.473 χ^2/NDF:5799798.4/28

Out: 20382.429+/-4.112 χ^2/NDF:6648785.8/33

All: 20589.020+/-3.027 χ^2/NDF: 12454097.1



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.709+/-66.785 χ^2/NDF:7.2/14

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 130.853+/-56.635 χ^2/NDF:5.3/12

Left: 134.139+/-43.195 χ^2/NDF: 12.5/27

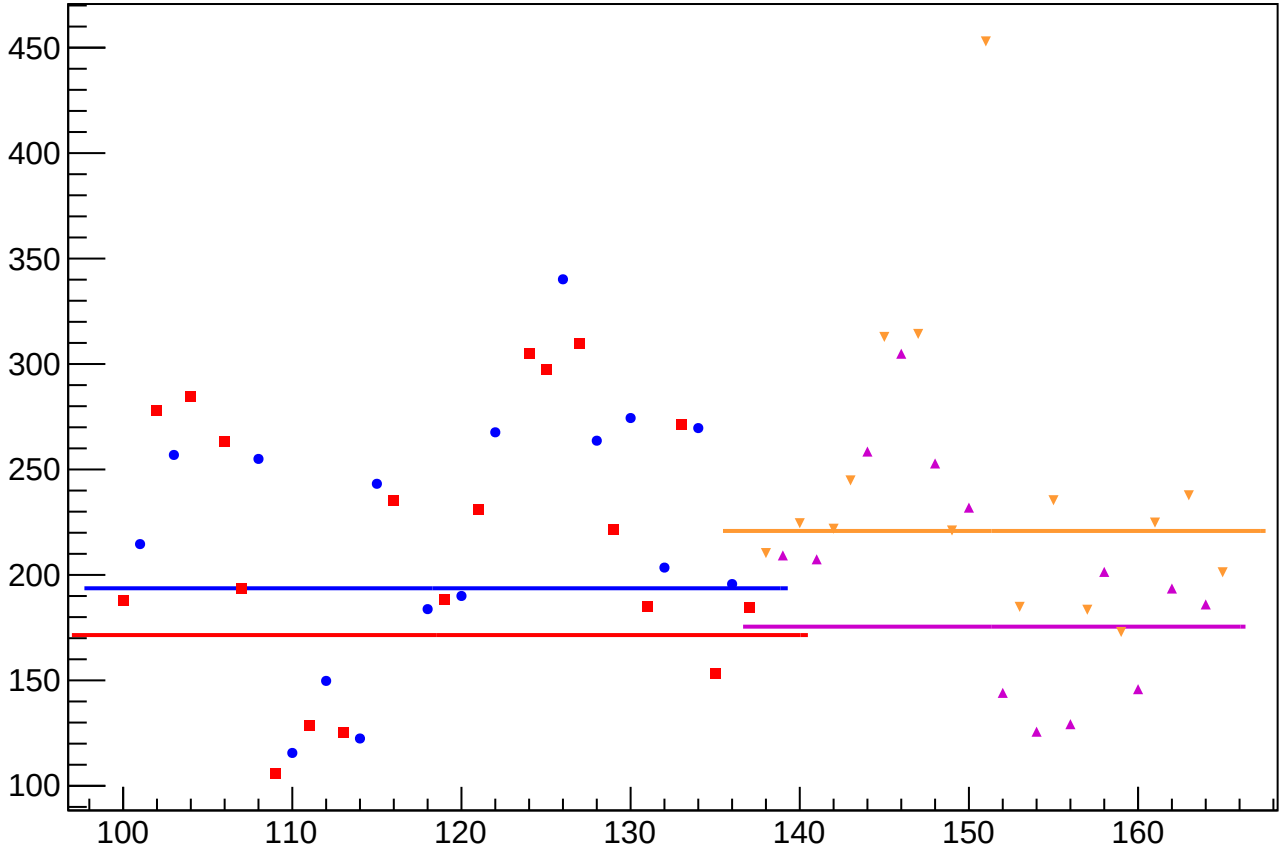
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 69.639+/-45.446 χ^2/NDF:24.0/28

Out: 0.156+/-47.676 χ^2/NDF:29.0/33

All: 36.561+/-32.895 χ^2/NDF: 54.2/62

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 220.851+/-0.047 χ^2/NDF:990768.0/14

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 175.473+/-0.040 χ^2/NDF:1461979.3/12

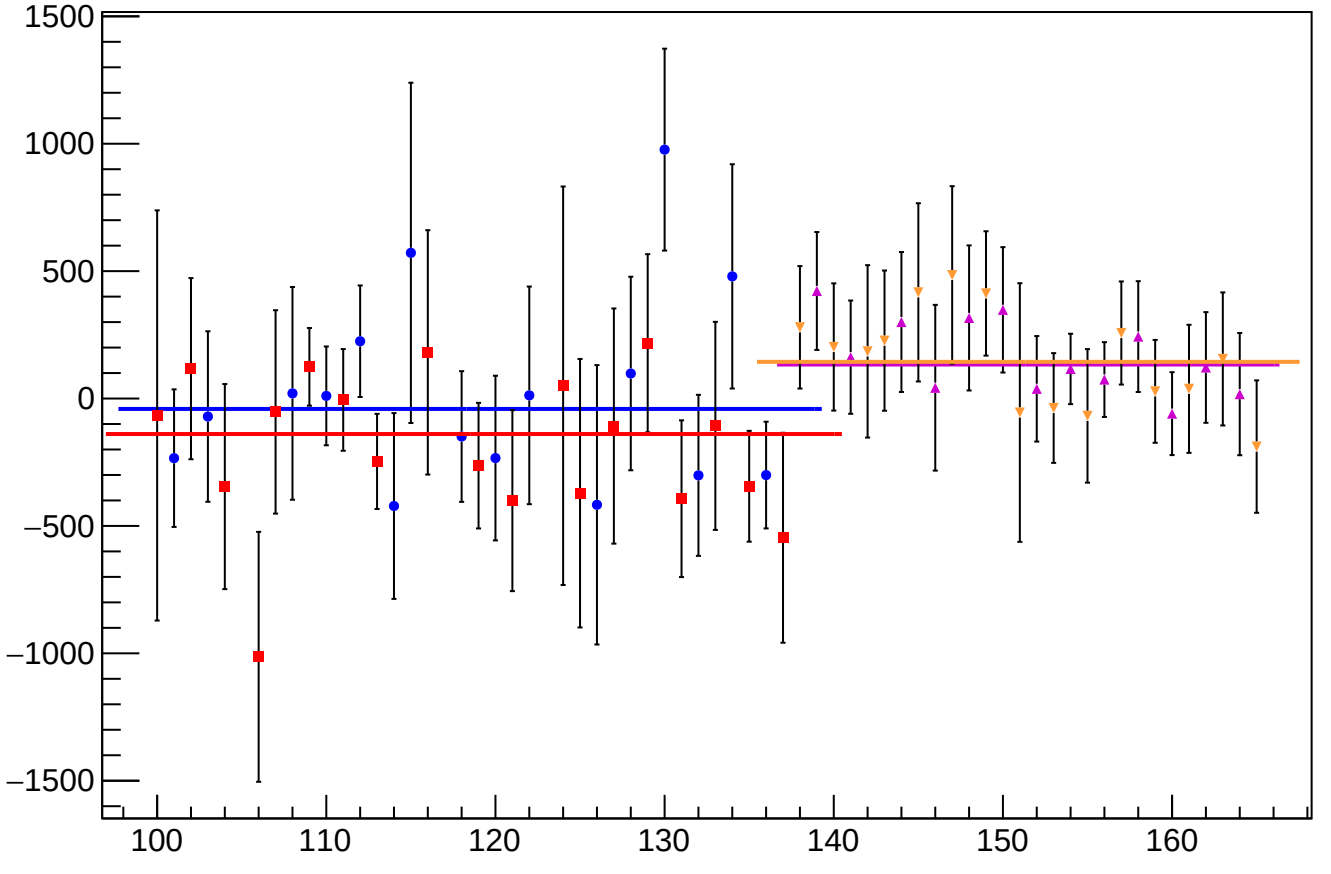
Left: 194.455+/-0.031 χ^2/NDF: 2989858.5/27

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 181.953+/-0.032 χ^2/NDF:2585280.7/28

Out: 196.641+/-0.034 χ^2/NDF:3179683.0/33

All: 188.946+/-0.023 χ^2/NDF: 5864429.4/62



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 143.993+/-66.995 χ^2/NDF:7.2/14

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 133.546+/-56.775 χ^2/NDF:5.5/12

Left: 137.913+/-43.314 χ^2/NDF: 12.7/27

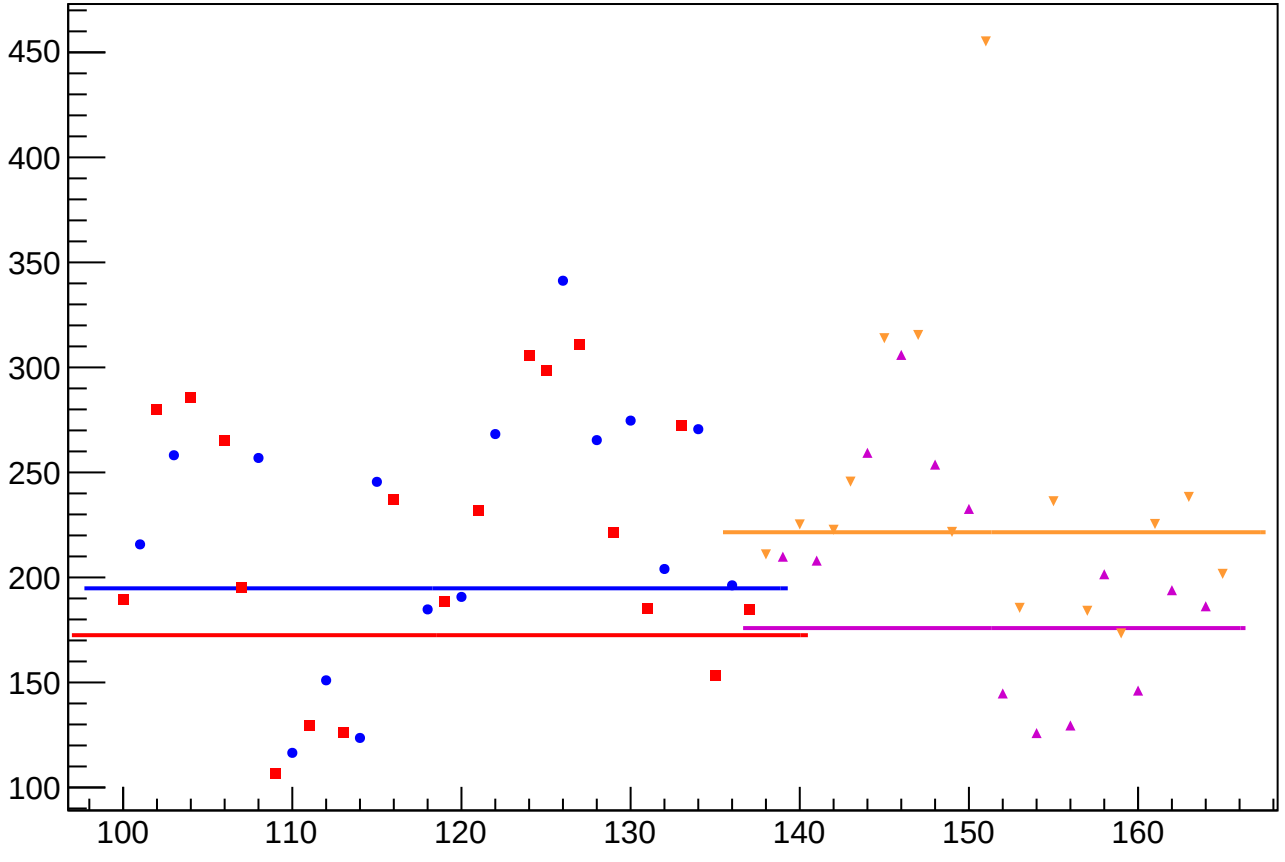
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 71.706+/-45.608 χ^2/NDF:24.2/28

Out: 5.414+/-47.882 χ^2/NDF:28.9/33

All: 40.171+/-33.024 χ^2/NDF: 54.1/62

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 221.522+/-0.047 χ^2/NDF:993229.0/14

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 175.887+/-0.040 χ^2/NDF:1464555.2/12

Left: 194.962+/-0.031 χ^2/NDF: 2997883.5/27

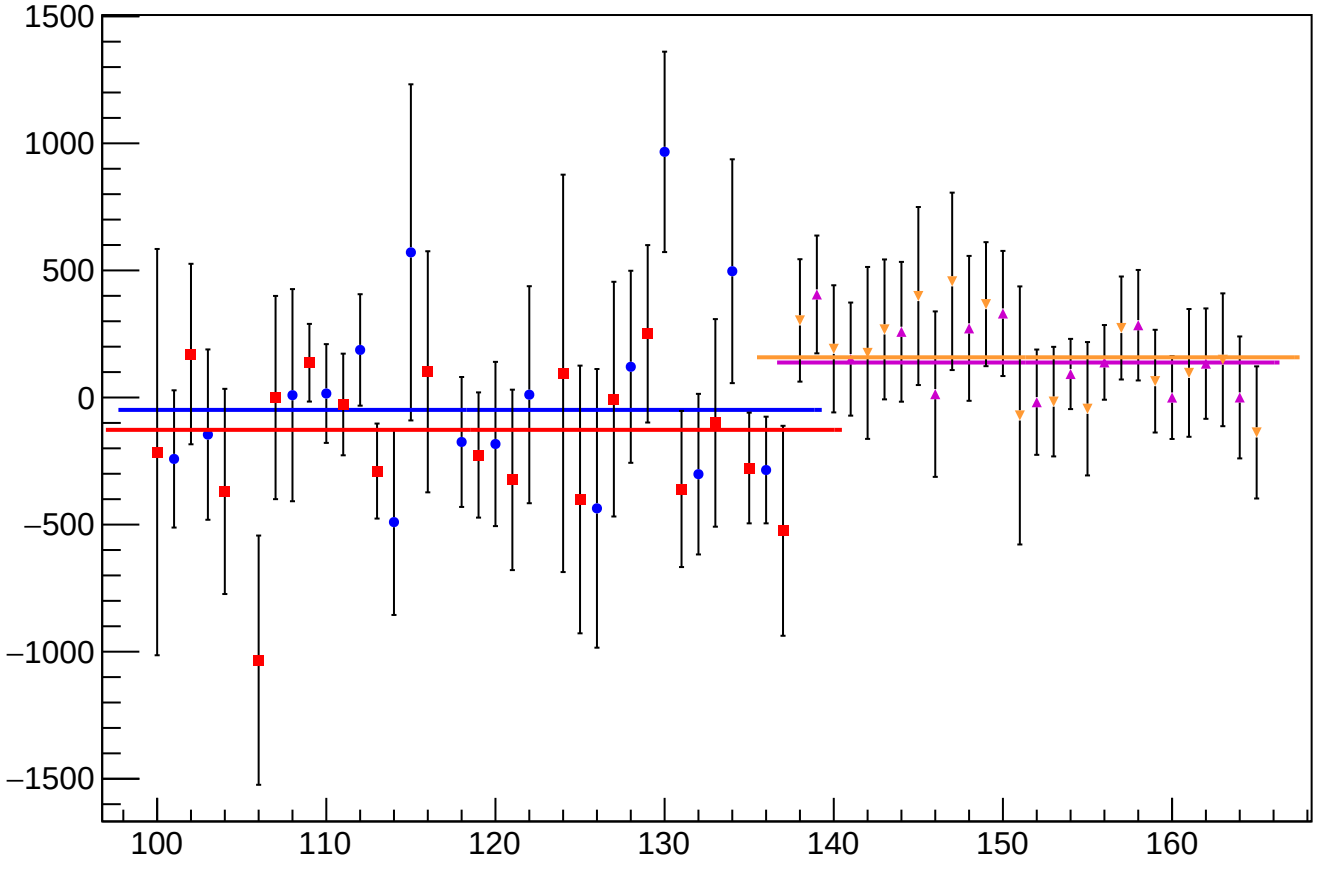
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.603+/-0.032 χ^2/NDF:2582531.8/28

Out: 197.545+/-0.034 χ^2/NDF:3159003.3/33

All: 189.710+/-0.023 χ^2/NDF: 5843649.1/62

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 158.207+/-67.057 χ^2/NDF:5.8/14

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 137.662+/-56.826 χ^2/NDF:4.7/12

Left: 146.249+/-43.353 χ^2/NDF: 10.6/27

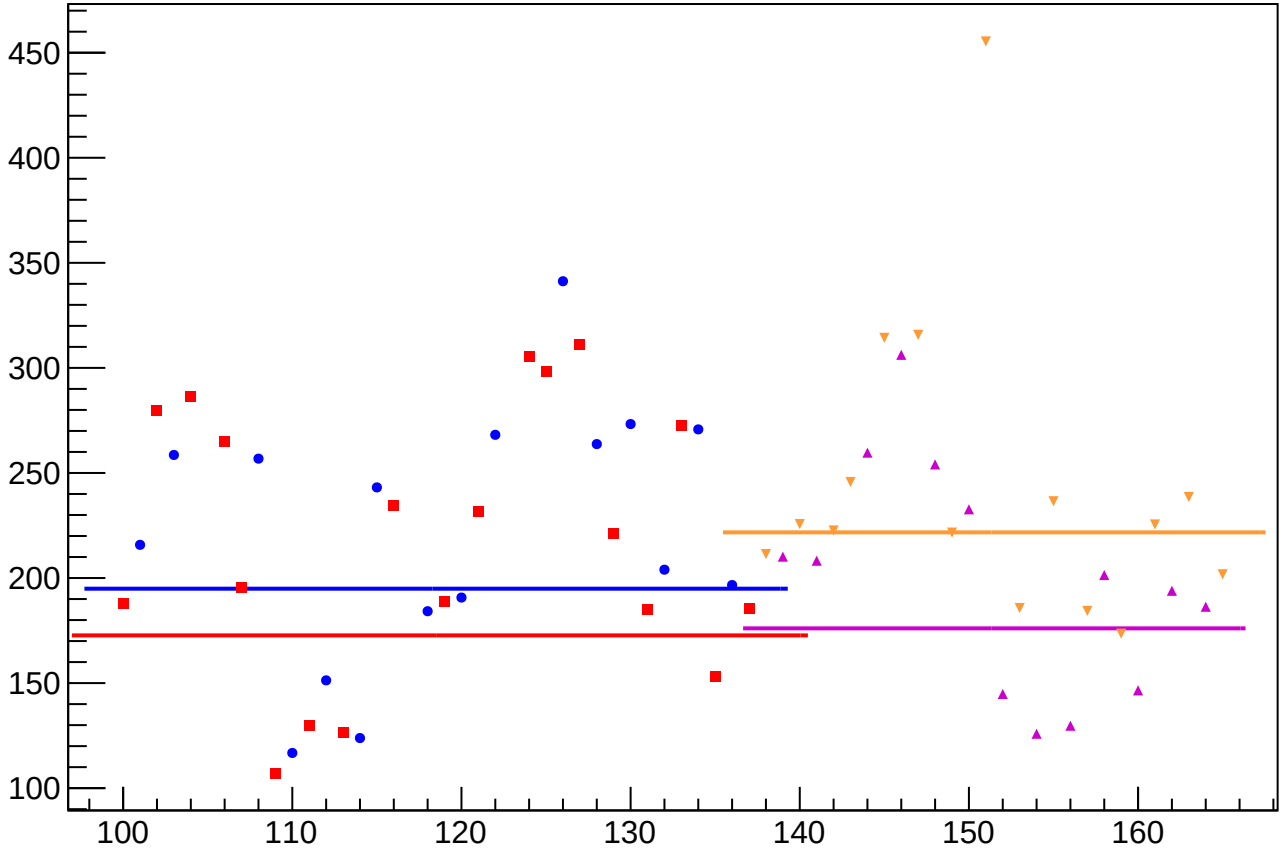
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.480+/-45.637 χ^2/NDF:23.9/28

Out: 18.529+/-47.921 χ^2/NDF:27.6/33

All: 46.296+/-33.048 χ^2/NDF: 52.1/62

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.734+/-0.047 χ^2/NDF:992331.8/14

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

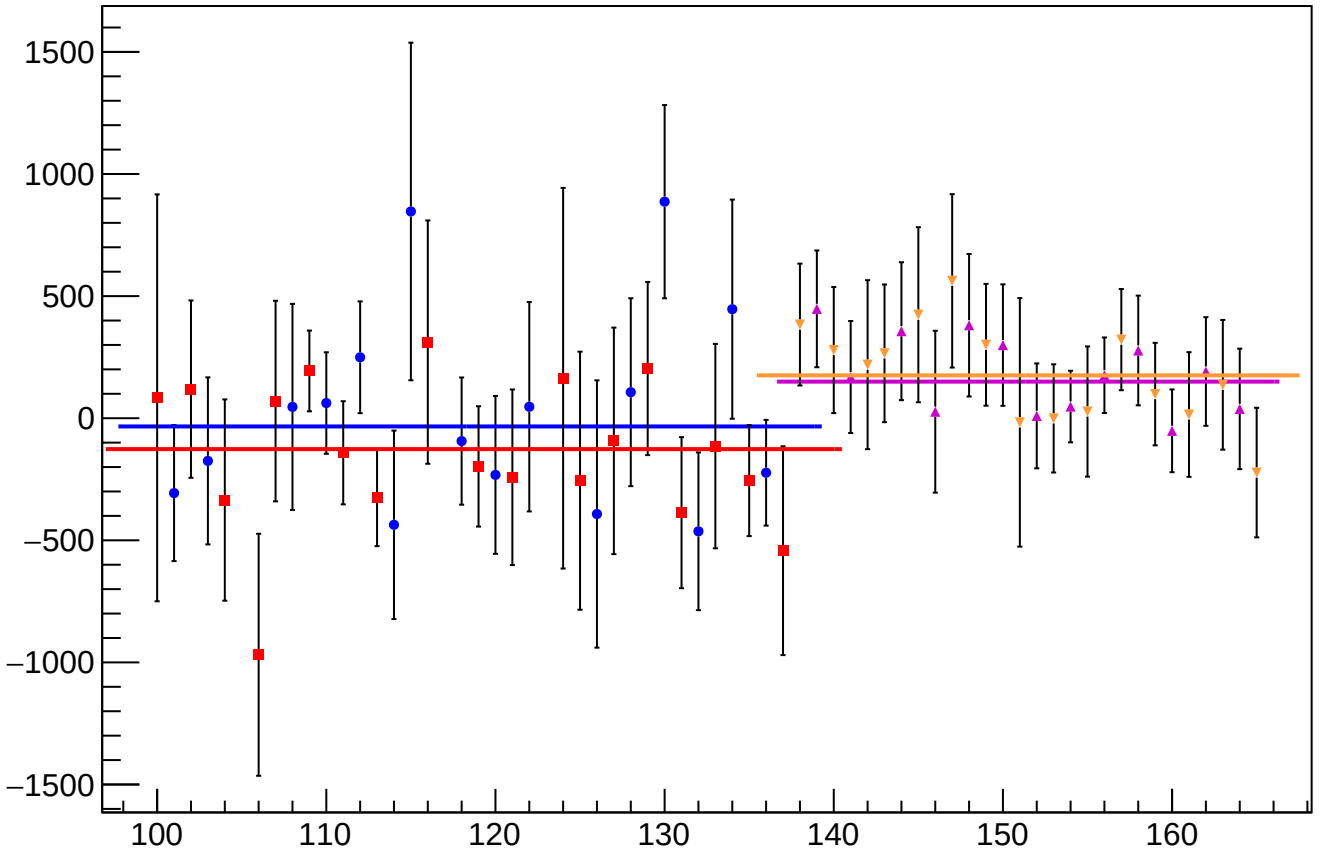
Left: 195.145+/-0.031 χ^2/NDF: 2996363.3/27

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.750+/-0.032 χ^2/NDF:2570970.8/28

Out: 197.743+/-0.034 χ^2/NDF:3146868.8/33

All: 189.881+/-0.023 χ^2/NDF: 5820502.1/62



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 175.472+/-68.714 χ^2/NDF:7.3/14

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 149.825+/-58.990 χ^2/NDF:6.1/12

Left: 160.707+/-44.759 χ^2/NDF: 13.5/27

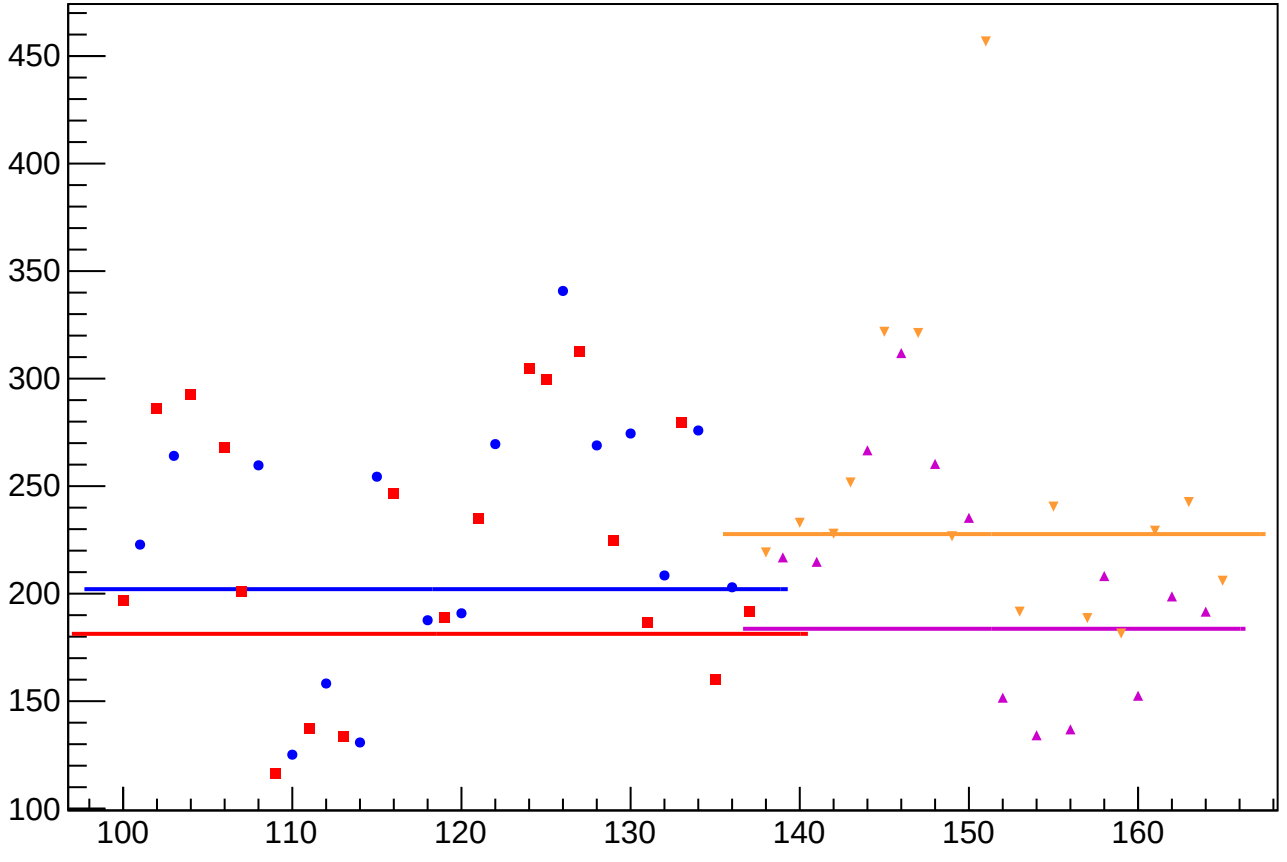
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 84.112+/-47.266 χ^2/NDF:25.3/28

Out: 30.051+/-49.480 χ^2/NDF:29.3/33

All: 58.318+/-34.178 χ^2/NDF: 55.2/62

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 227.702+/-0.049 χ^2/NDF:944916.9/14

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 183.668+/-0.042 χ^2/NDF:1330184.6/12

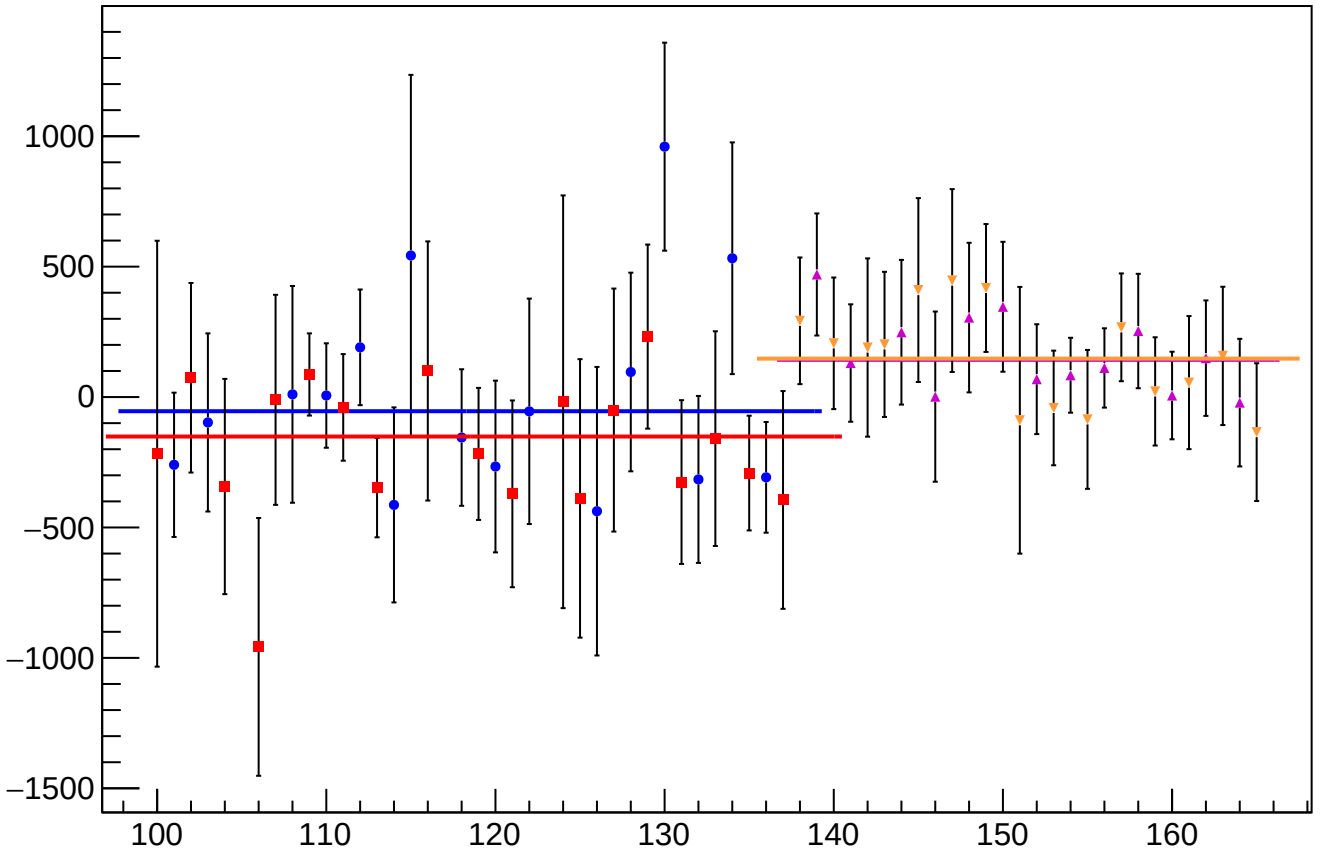
Left: 202.351+/-0.032 χ^2/NDF: 2747949.7/27

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.263+/-0.033 χ^2/NDF:2310275.3/28

Out: 205.367+/-0.035 χ^2/NDF:2824795.4/33

All: 197.469+/-0.024 χ^2/NDF: 5232510.3/62



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 147.343+/-68.016 χ^2/NDF:6.7/14

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 142.662+/-58.087 χ^2/NDF:5.0/12

Left: 144.636+/-44.171 χ^2/NDF: 11.6/27

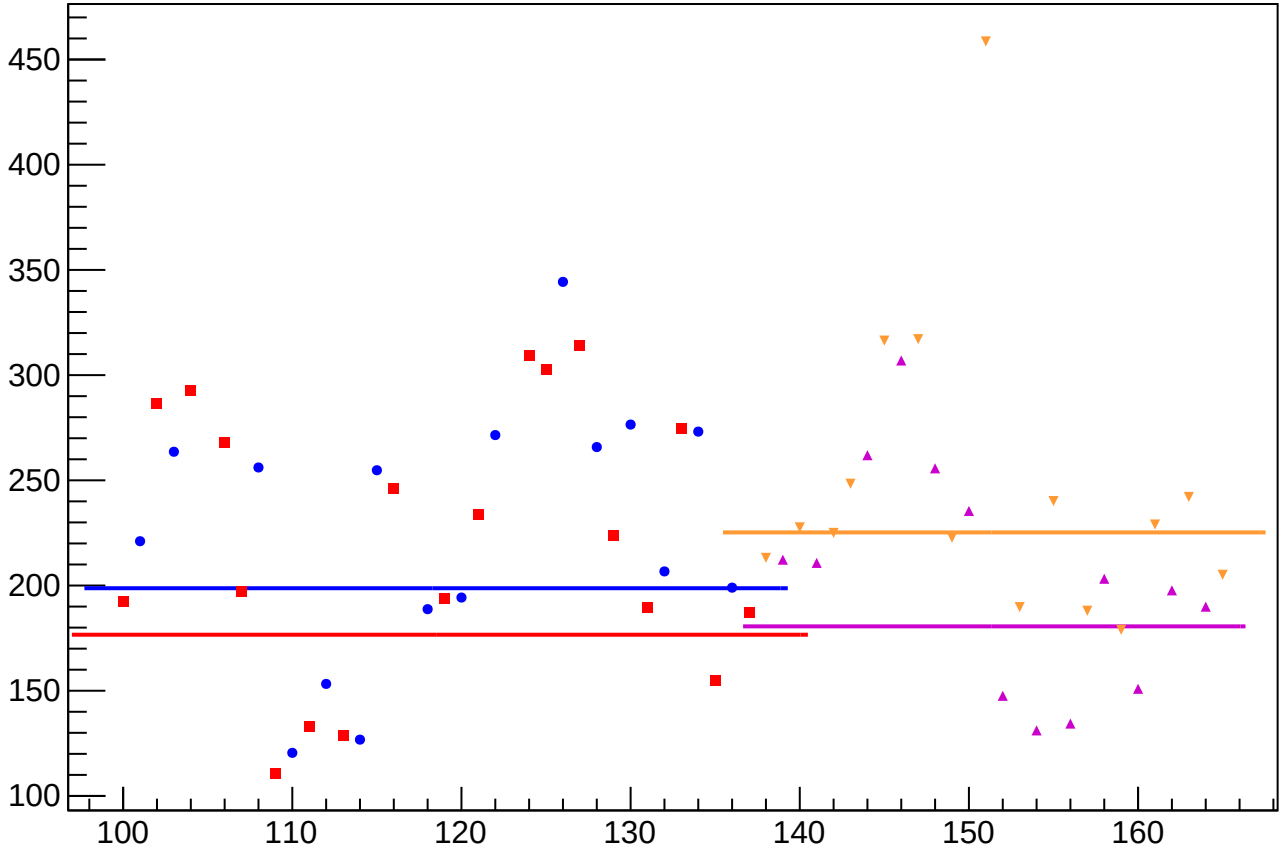
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 72.351+/-46.576 χ^2/NDF:24.2/28

Out: 2.076+/-48.748 χ^2/NDF:26.3/33

All: 38.814+/-33.676 χ^2/NDF: 51.5/62

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 225.244+/-0.048 χ^2/NDF:949770.8/14

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 180.595+/-0.041 χ^2/NDF:1348399.0/12

Left: 199.426+/-0.031 χ^2/NDF: 2796554.8/27

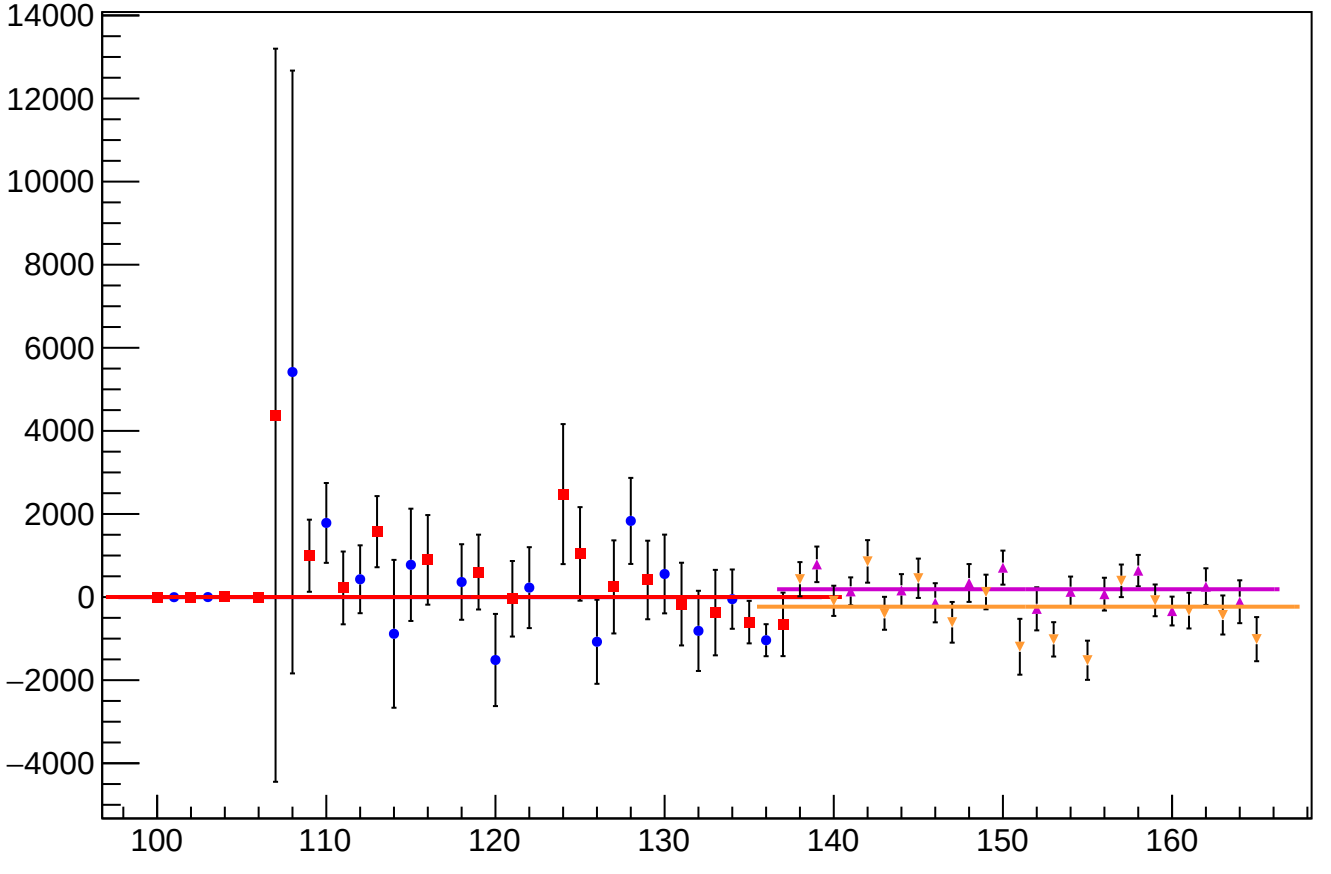
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.066+/-0.033 χ^2/NDF:2411988.7/28

Out: 201.598+/-0.034 χ^2/NDF:3042555.6/33

All: 194.001+/-0.024 χ^2/NDF: 5547455.0/62

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -231.400+/-113.663 χ^2/NDF:29.0/14

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 188.464+/-113.302 χ^2/NDF:9.2/12

Left: -20.802+/-80.244 χ^2/NDF: 45.1/27

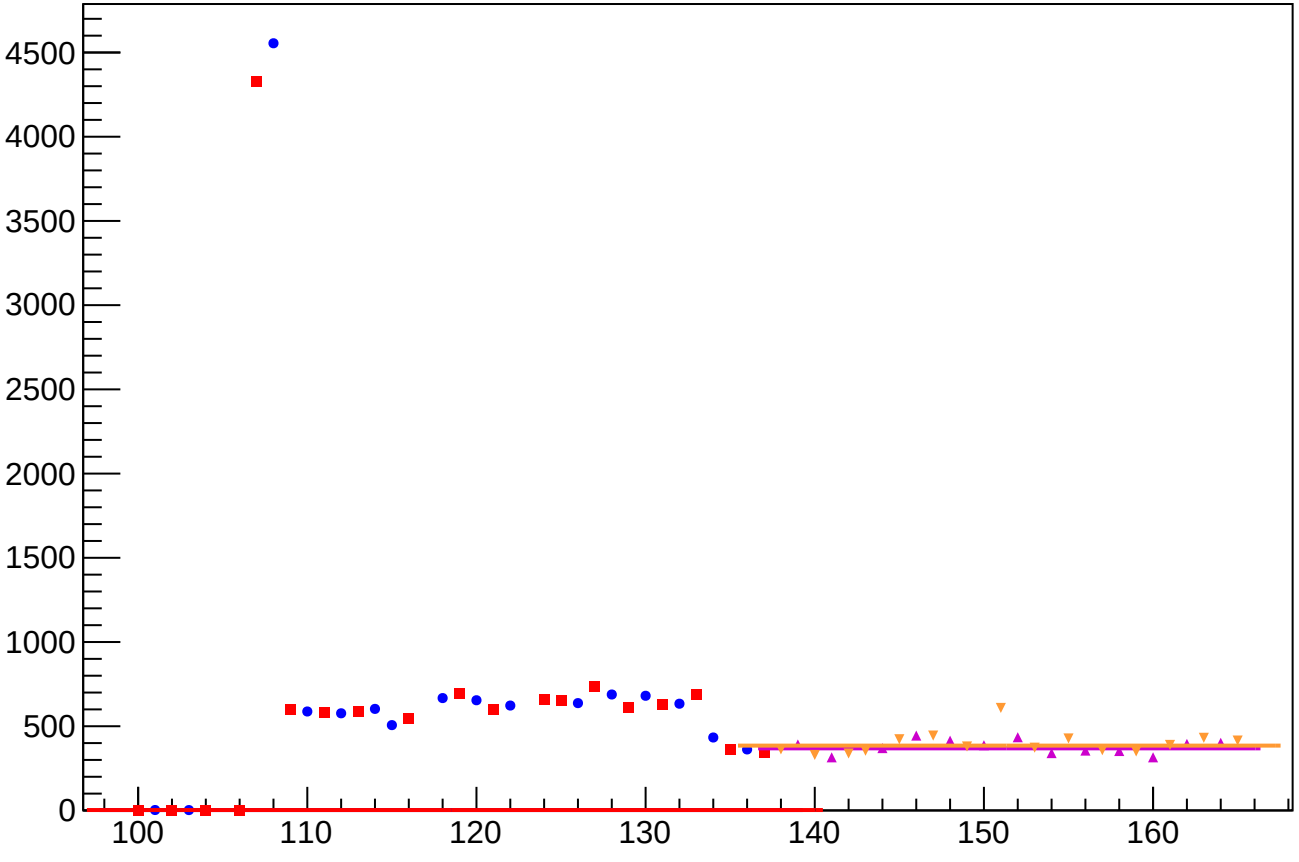
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.169+/-2.170 χ^2/NDF:31.9/28

Out: 1.304+/-2.022 χ^2/NDF:50.1/33

All: 0.155+/-1.479 χ^2/NDF: 82.7/62

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 384.983+/-0.080 χ^2/NDF:415133.2/14

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 368.688+/-0.080 χ^2/NDF:244297.9/12

Left: 376.810+/-0.057 χ^2/NDF: 680048.6/27

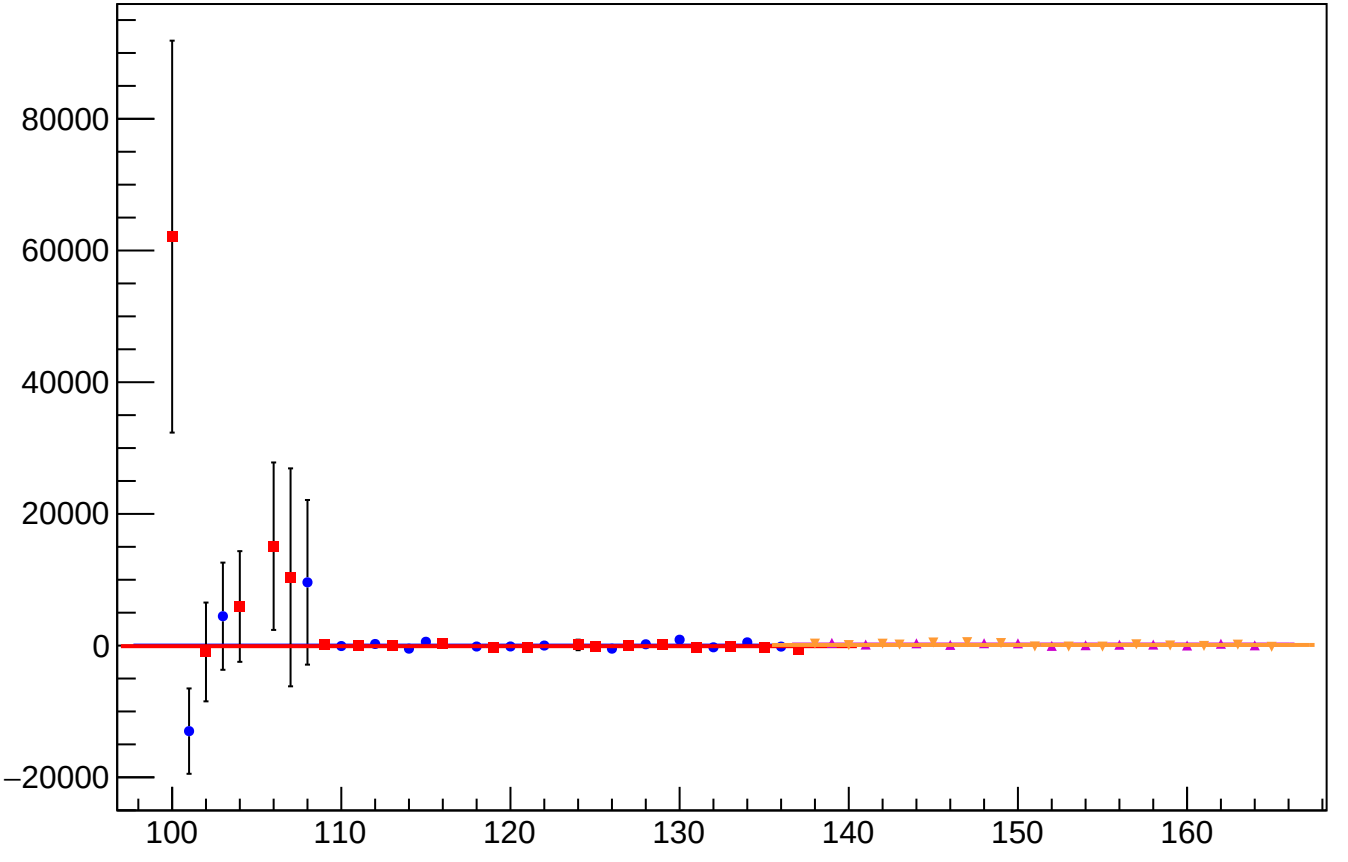
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.611+/-0.002 χ^2/NDF:32756513.3/28

Out: 2.583+/-0.001 χ^2/NDF:34605189.5/33

All: 2.596+/-0.001 χ^2/NDF: 67361879.1/62

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 99.184+/-71.305 χ^2/NDF:8.3/14

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 159.832+/-62.036 χ^2/NDF:4.9/12

Left: 133.704+/-46.802 χ^2/NDF: 13.5/27

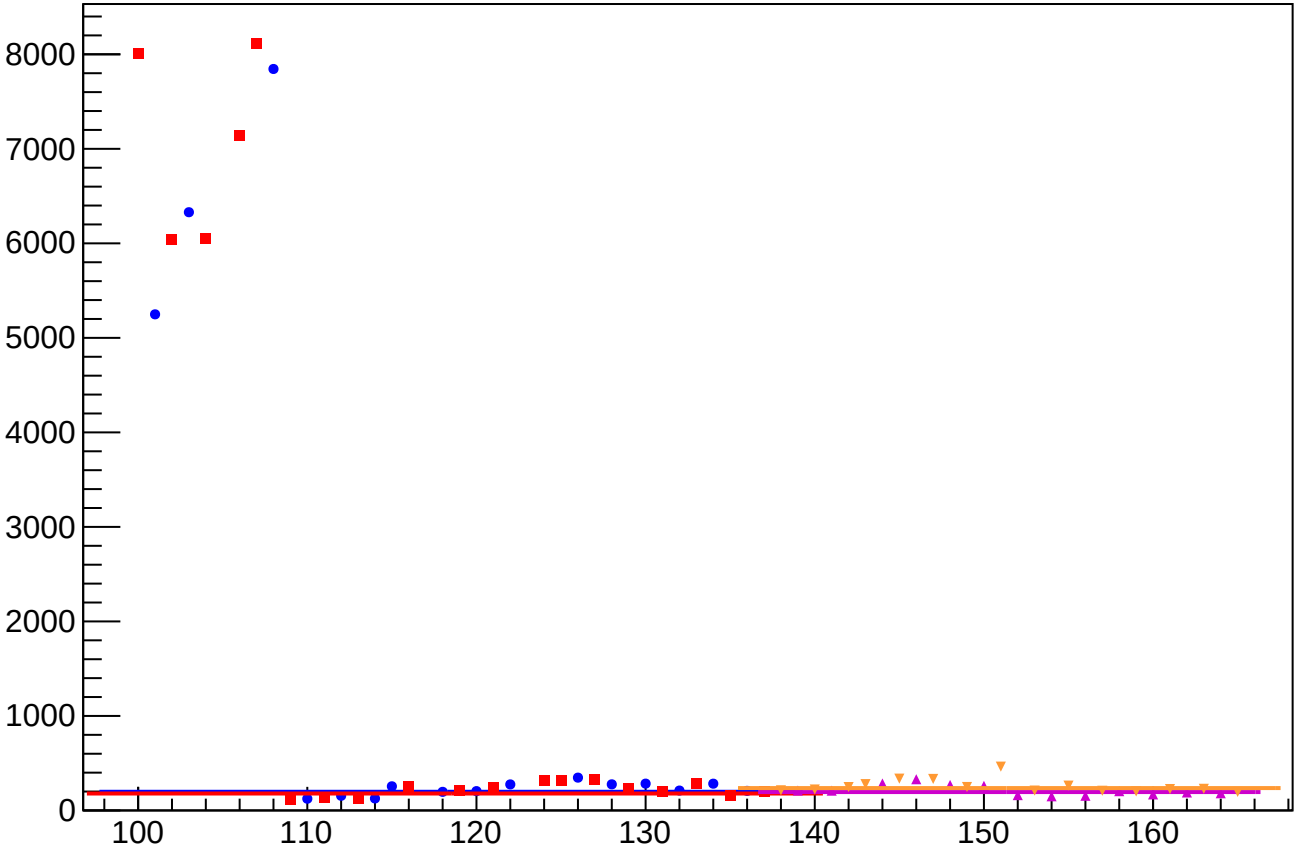
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 106.819+/-50.670 χ^2/NDF:23.9/28

Out: 18.105+/-53.695 χ^2/NDF:26.1/33

All: 65.032+/-36.852 χ^2/NDF: 51.4/62

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 236.781+/-0.050 χ^2/NDF:911754.3/14

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 194.624+/-0.044 χ^2/NDF:1070483.1/12

Left: 212.786+/-0.033 χ^2/NDF: 2380137.8/27

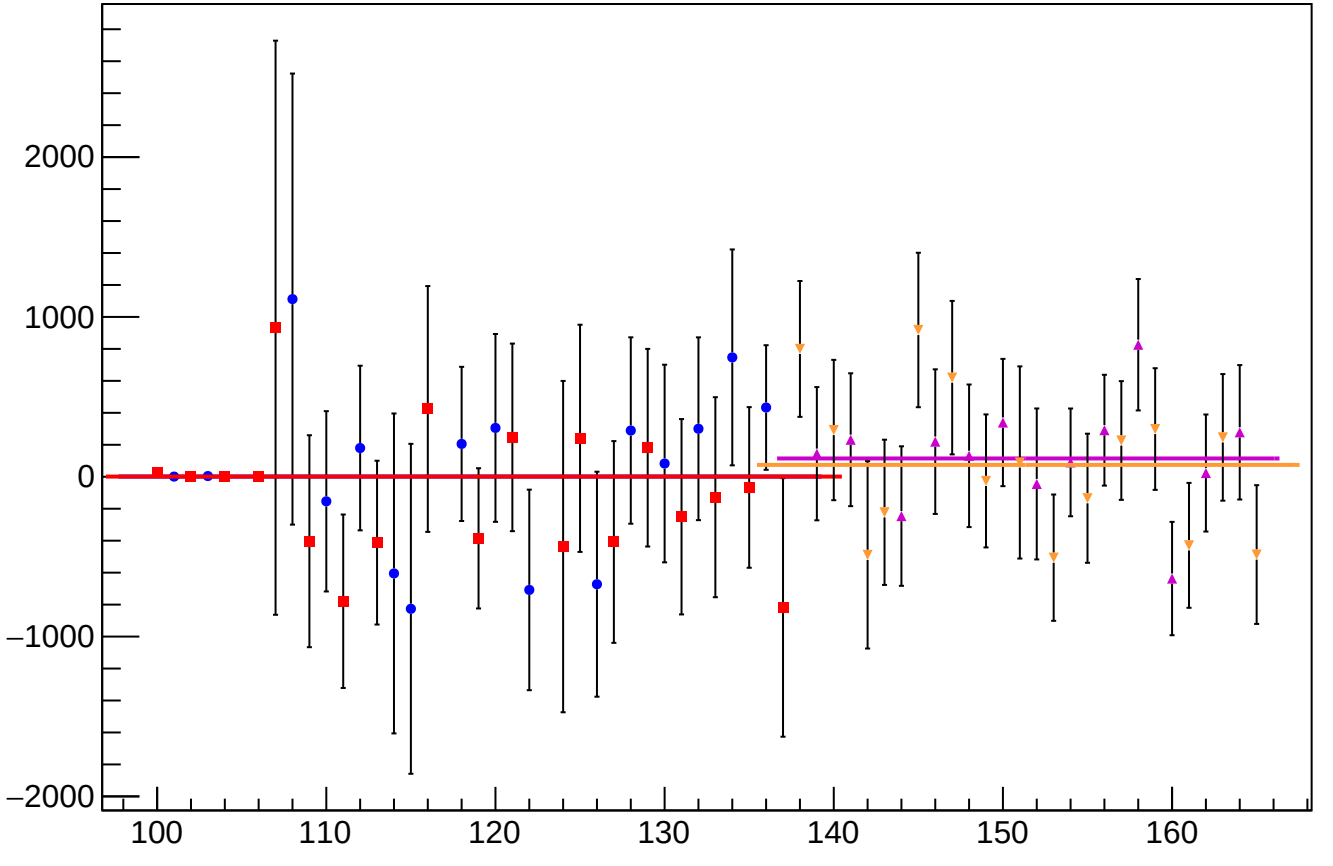
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.621+/-0.036 χ^2/NDF:5029228.0/28

Out: 211.873+/-0.038 χ^2/NDF:5893850.9/33

All: 203.276+/-0.026 χ^2/NDF: 11019994.3/62

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 74.187+/-111.421 χ^2/NDF:15.4/14

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 114.448+/-110.709 χ^2/NDF:9.2/12

Left: 94.446+/-78.533 χ^2/NDF: 24.7/27

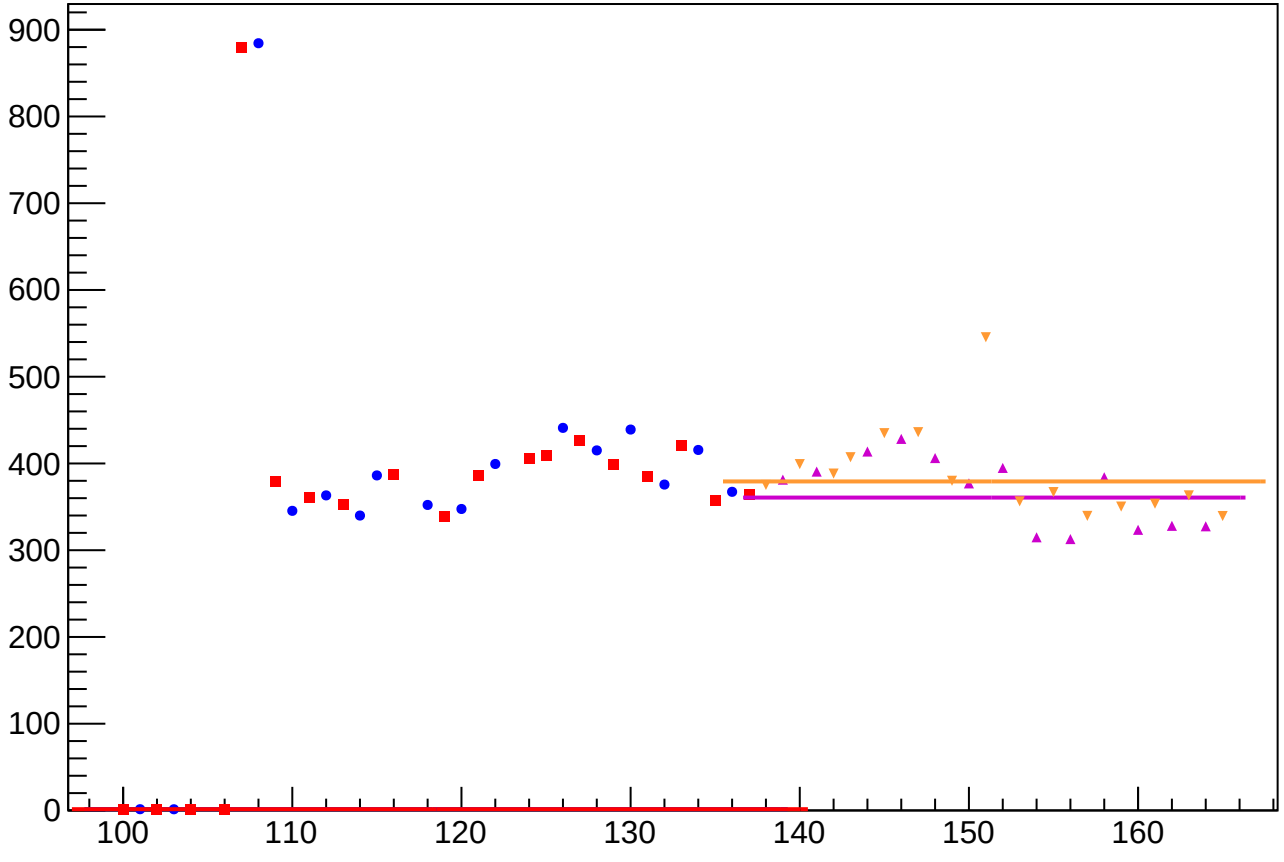
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.481+/-1.660 χ^2/NDF:18.1/28

Out: 1.107+/-1.528 χ^2/NDF:25.0/33

All: 1.279+/-1.124 χ^2/NDF: 43.1/62

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 379.282+/-0.079 χ^2/NDF:291506.9/14

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 360.680+/-0.078 χ^2/NDF:255934.8/12

Left: 369.921+/-0.056 χ^2/NDF: 575495.0/27

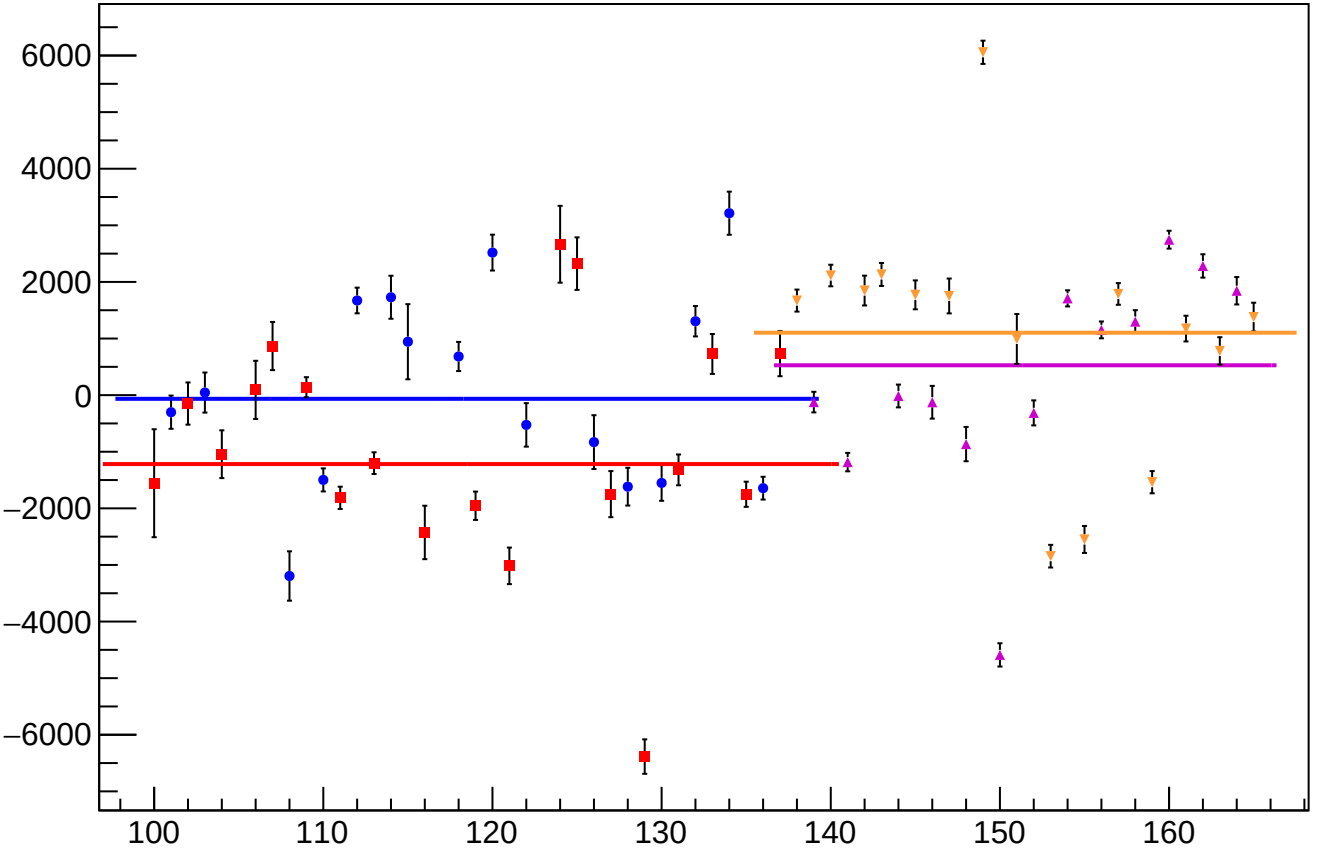
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.551+/-0.001 χ^2/NDF:33041915.3/28

Out: 1.538+/-0.001 χ^2/NDF:34553739.9/33

All: 1.544+/-0.001 χ^2/NDF: 67595719.3/62

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1103.059+/-58.194 χ^2/NDF:1486.4/14

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 527.502+/-52.760 χ^2/NDF:1188.8/12

Left: 787.157+/-39.087 χ^2/NDF: 2728.9/27

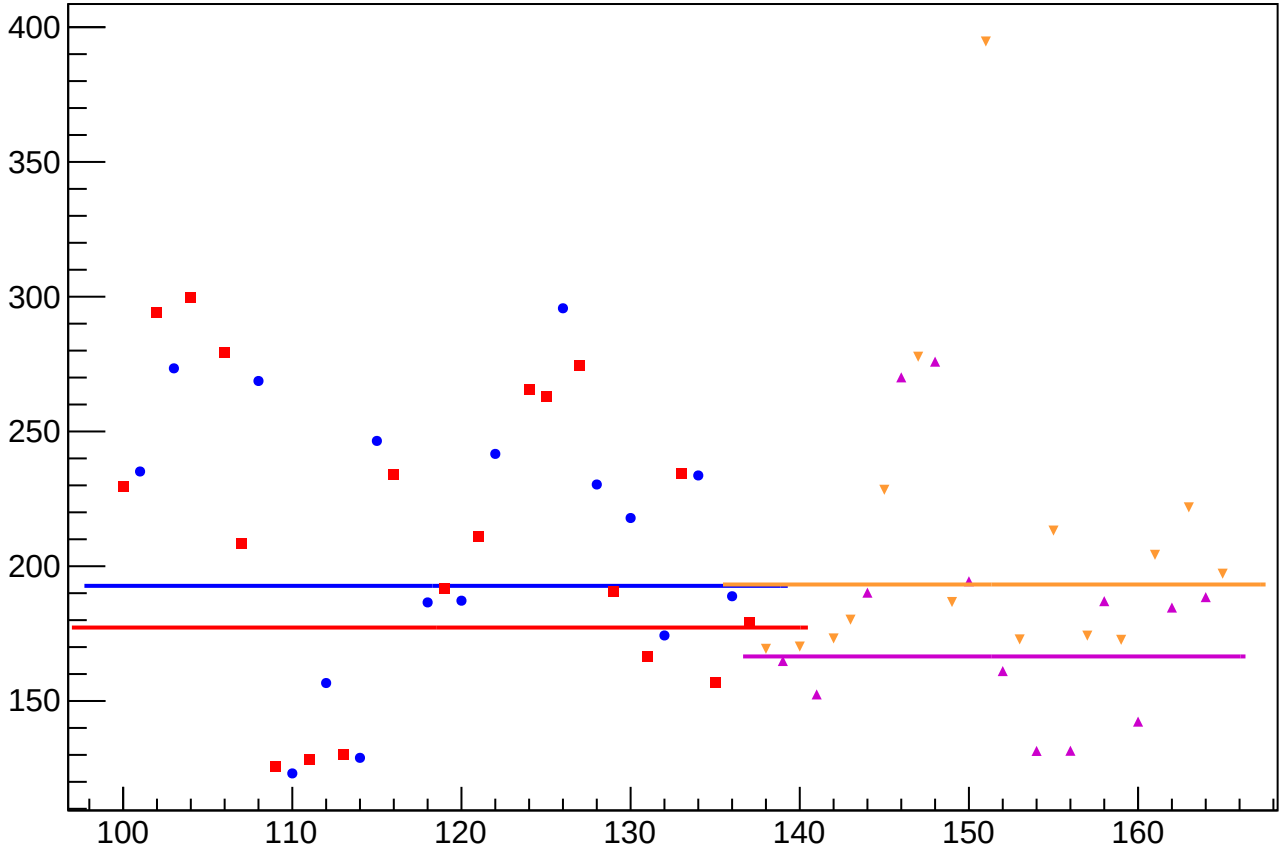
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 330.994+/-43.132 χ^2/NDF:1700.1/28

Out: 138.726+/-44.491 χ^2/NDF:2741.9/33

All: 237.841+/-30.968 χ^2/NDF: 4451.7/62

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.224+/-0.041 χ^2/NDF:797756.0/14

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 166.529+/-0.037 χ^2/NDF:929003.4/12

Left: 178.572+/-0.028 χ^2/NDF: 1957754.5/27

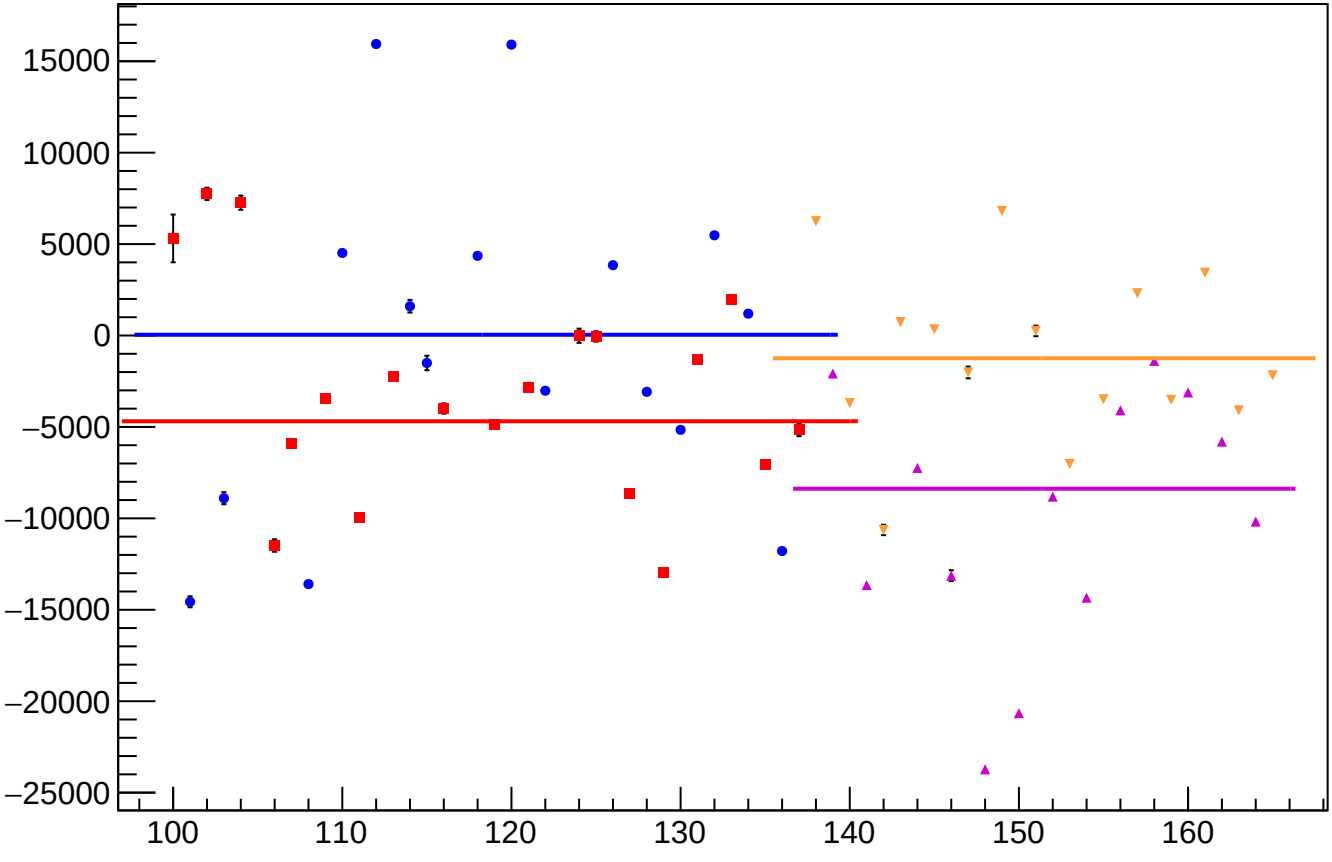
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 175.215+/-0.030 χ^2/NDF:1851605.9/28

Out: 186.587+/-0.031 χ^2/NDF:2086540.5/33

All: 180.725+/-0.022 χ^2/NDF: 4005507.9/62

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1244.360+/-50.455 χ^2/NDF:7689.2/14

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8378.659+/-53.222 χ^2/NDF:14443.2/12

Left: -4621.231+/-36.616 χ^2/NDF: 31595.9/27

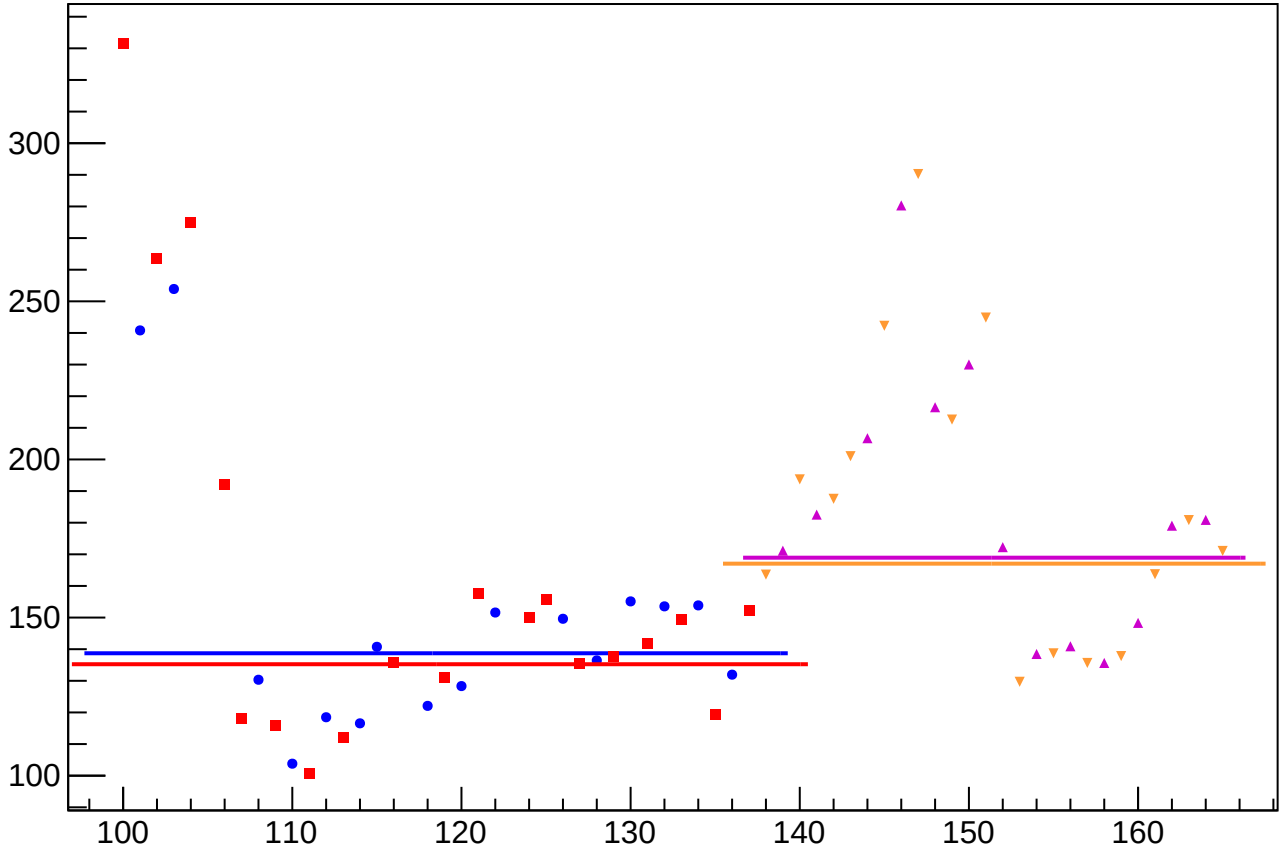
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4245.381+/-37.974 χ^2/NDF:57515.1/28

Out: -2911.959+/-36.243 χ^2/NDF:17741.8/33

All: -3547.582+/-26.218 χ^2/NDF: 75902.1/62

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.045+/-0.036 χ^2/NDF:1137674.7/14

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

Left: 167.939+/-0.026 χ^2/NDF: 1984762.7/27

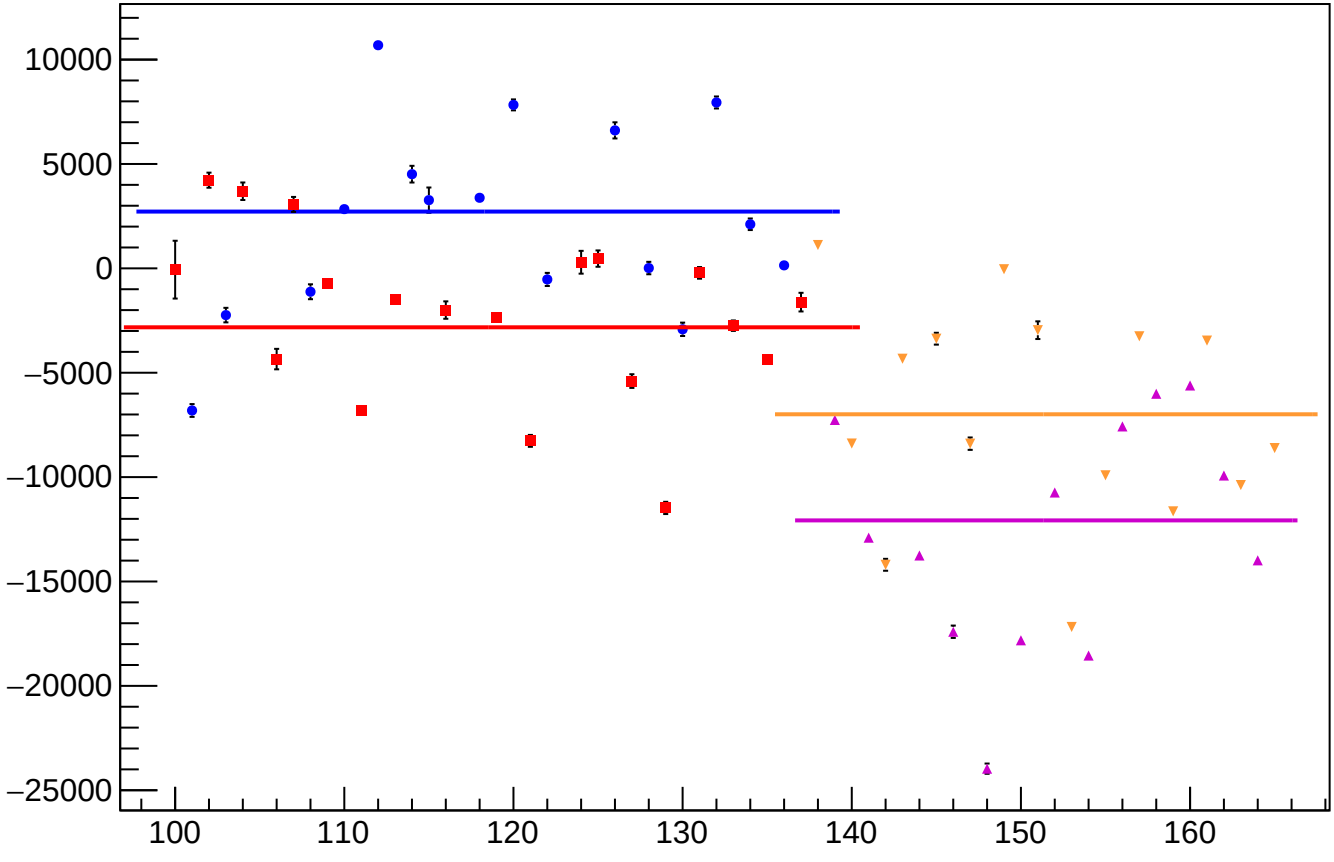
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.097+/-0.027 χ^2/NDF:1820119.5/28

Out: 151.654+/-0.026 χ^2/NDF:2412231.0/33

All: 152.818+/-0.019 χ^2/NDF: 4236684.1/62

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6990.230+/-59.569 χ^2/NDF:7910.6/14

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12073.705+/-55.284 χ^2/NDF:9199.7/12

Left: -9721.345+/-40.522 χ^2/NDF: 21022.9/27

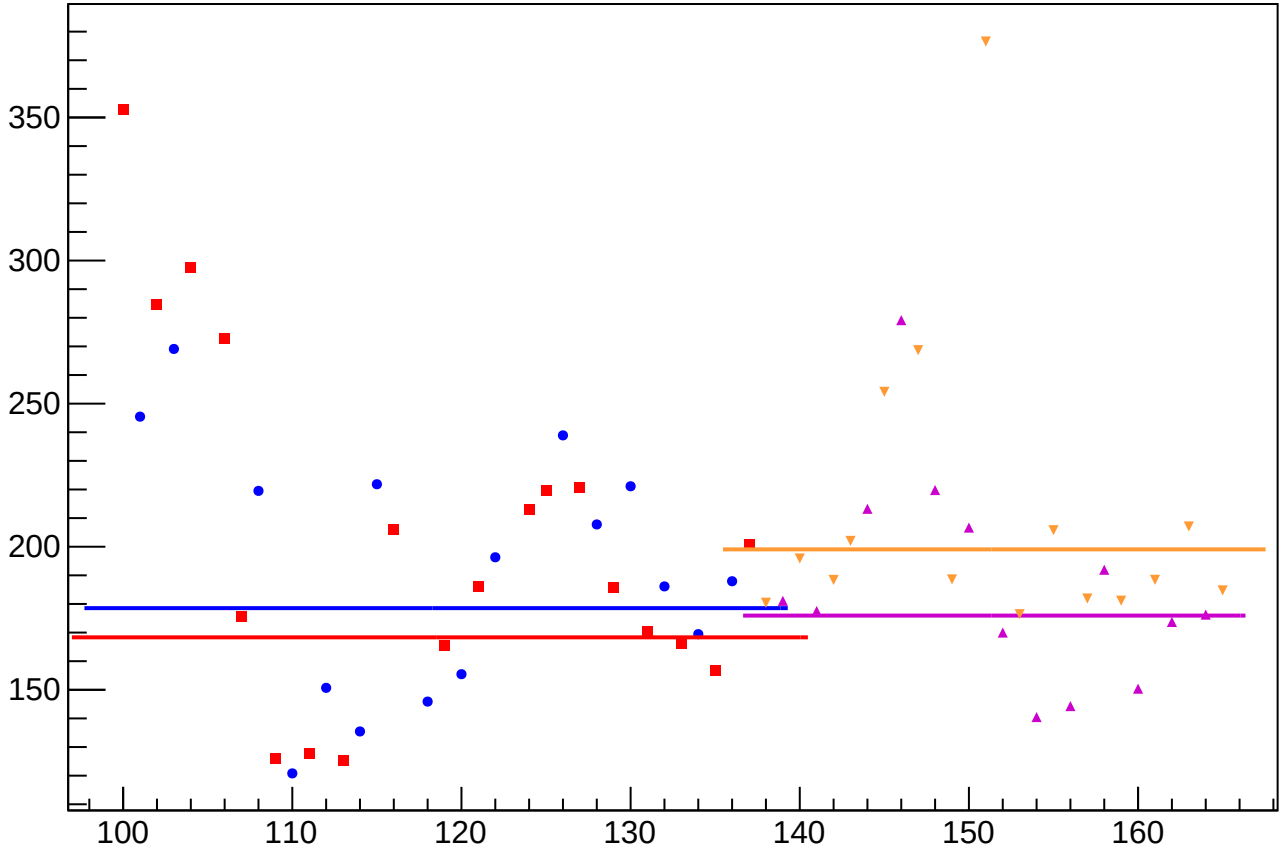
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6315.016+/-43.204 χ^2/NDF:41202.8/28

Out: -5083.500+/-43.870 χ^2/NDF:13212.3/33

All: -5708.674+/-30.783 χ^2/NDF: 54815.1/62

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.072+/-0.042 χ^2/NDF:633068.0/14

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

Left: 186.641+/-0.029 χ^2/NDF: 1442898.1/27

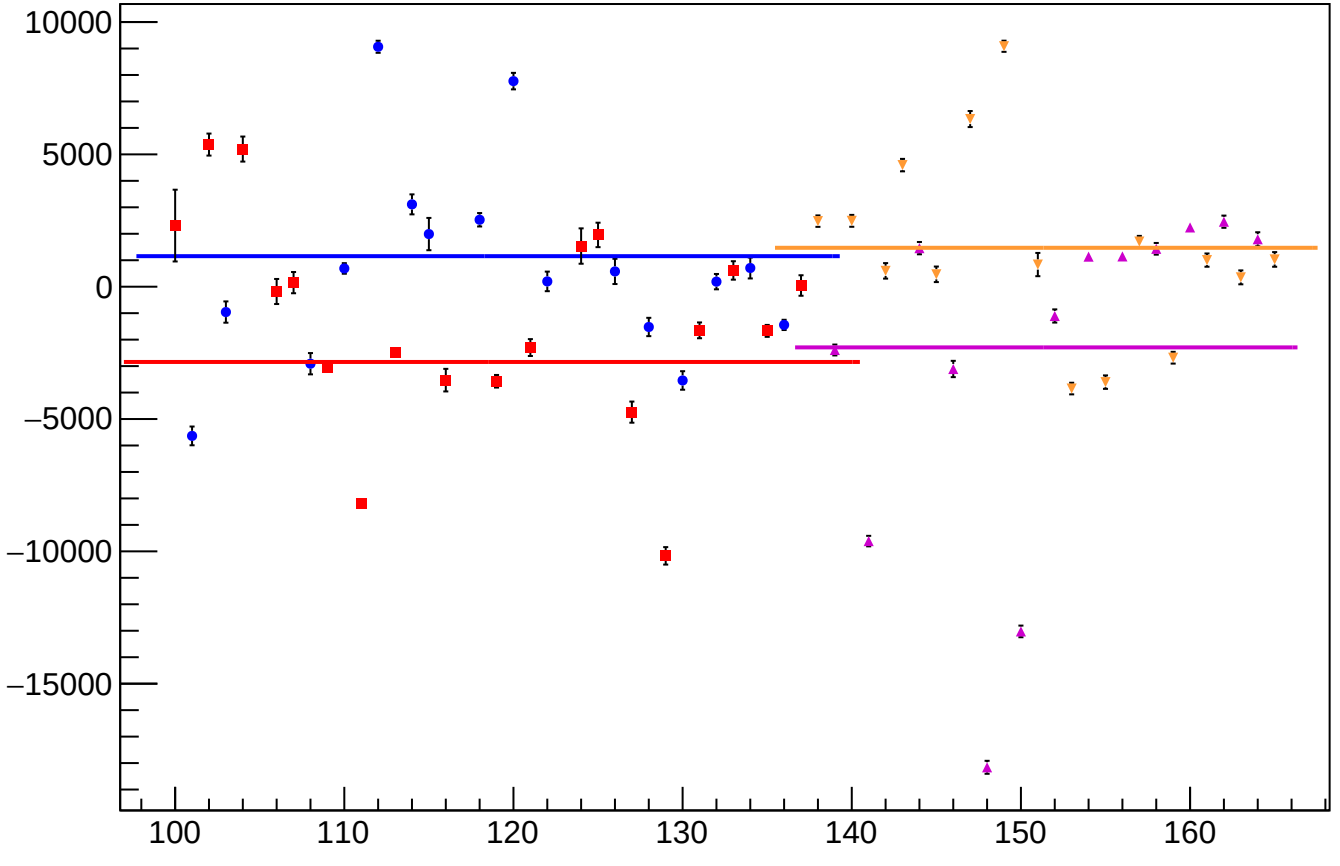
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 176.949+/-0.031 χ^2/NDF:1324009.4/28

Out: 185.006+/-0.031 χ^2/NDF:1856249.3/33

All: 180.916+/-0.022 χ^2/NDF: 3214504.1/62

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1470.143+/-64.219 χ^2/NDF:3159.3/14

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2293.328+/-59.458 χ^2/NDF:10555.0/12

Left: -556.273+/-43.629 χ^2/NDF: 15563.5/27

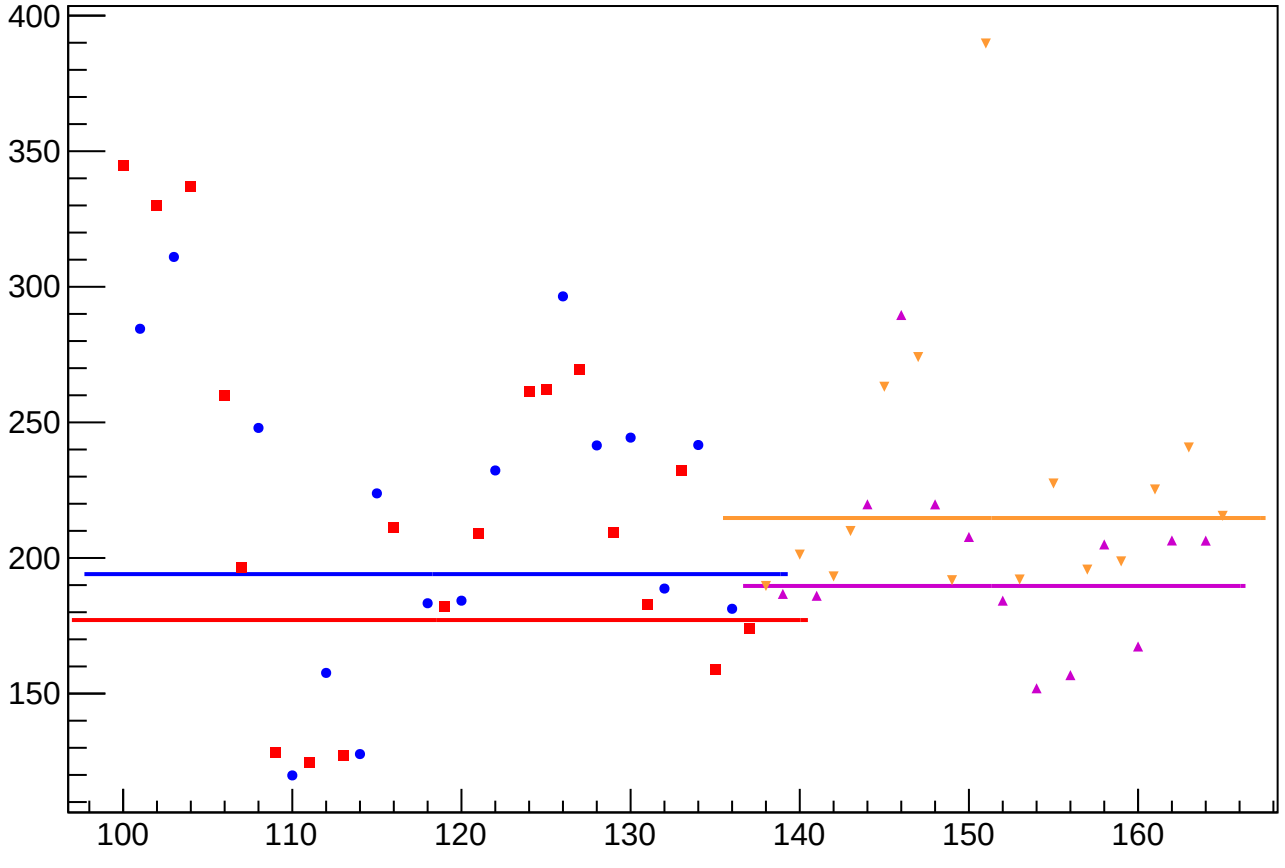
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -983.616+/-46.819 χ^2/NDF:14487.4/28

Out: -527.942+/-47.053 χ^2/NDF:7702.5/33

All: -756.914+/-33.189 χ^2/NDF: 22237.0/62

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.740+/-0.045 χ^2/NDF:592616.1/14

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

Left: 201.250+/-0.031 χ^2/NDF: 1277447.8/27

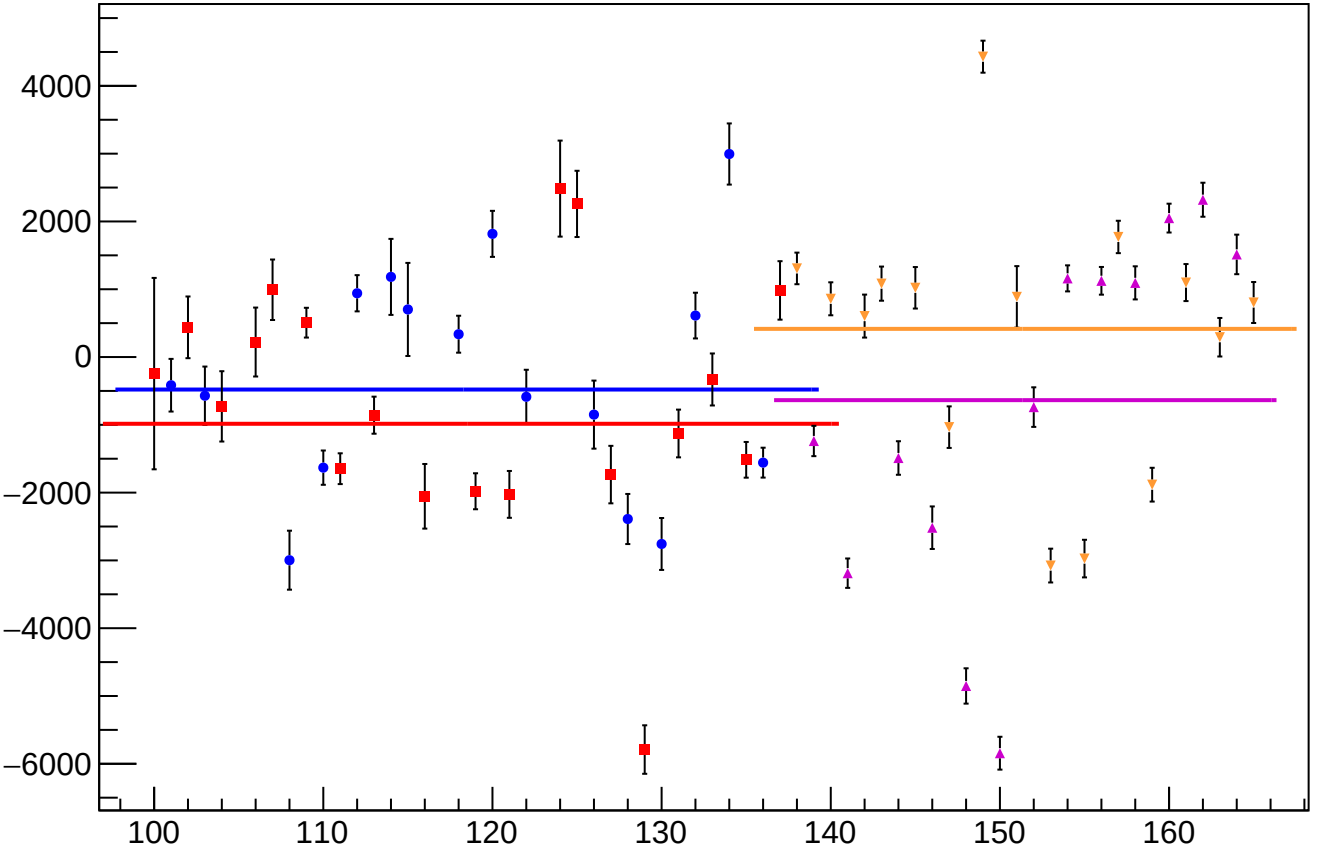
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.346+/-0.033 χ^2/NDF:1490823.1/28

Out: 197.314+/-0.033 χ^2/NDF:2269928.0/33

All: 194.315+/-0.023 χ^2/NDF: 3776917.6/62

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 415.651+/-69.912 χ^2/NDF:812.7/14

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -635.935+/-66.118 χ^2/NDF:1481.9/12

Left: -139.450+/-48.038 χ^2/NDF: 2414.0/27

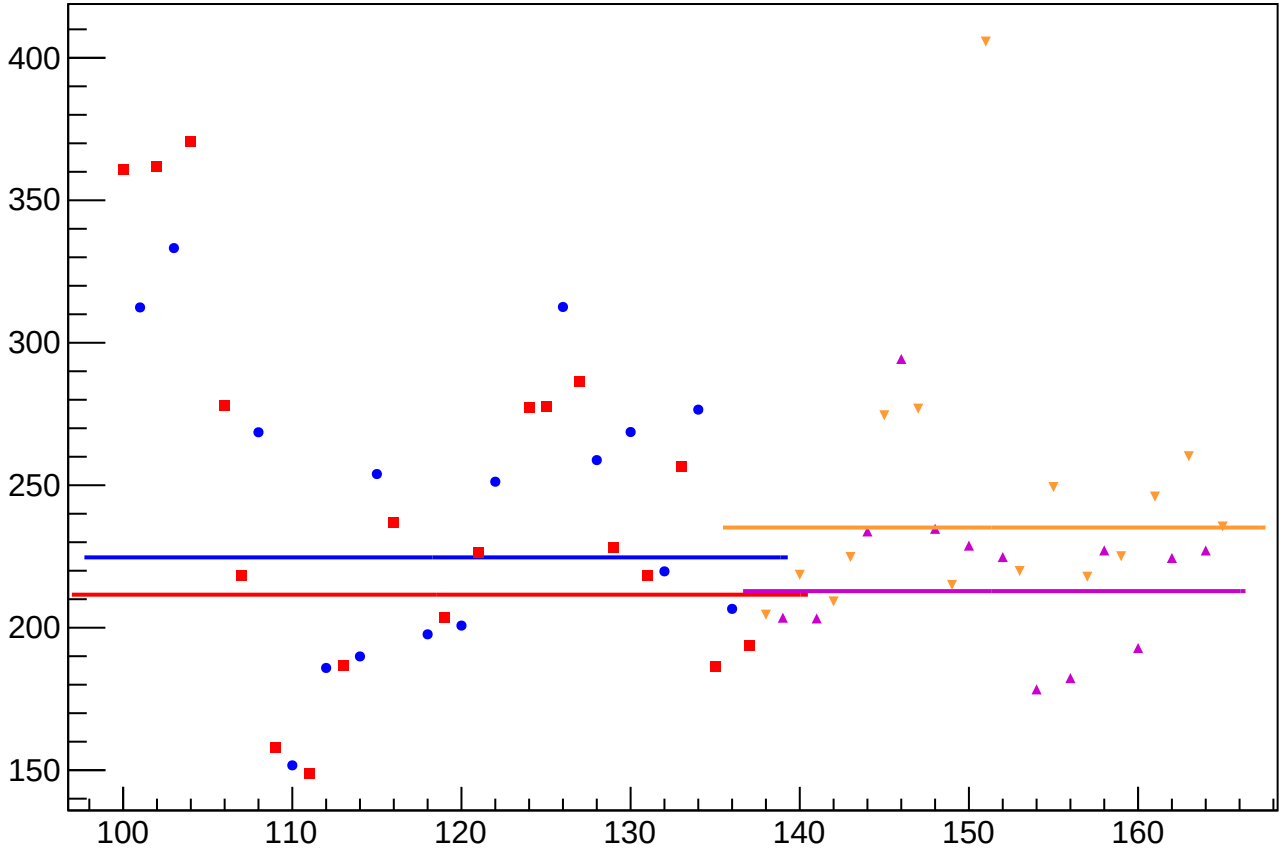
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -578.326+/-52.571 χ^2/NDF:1789.4/28

Out: -182.563+/-52.909 χ^2/NDF:1382.2/33

All: -381.714+/-37.292 χ^2/NDF: 3199.8/62

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.154+/-0.049 χ^2/NDF:472816.7/14

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

Left: 223.379+/-0.034 χ^2/NDF: 905497.3/27

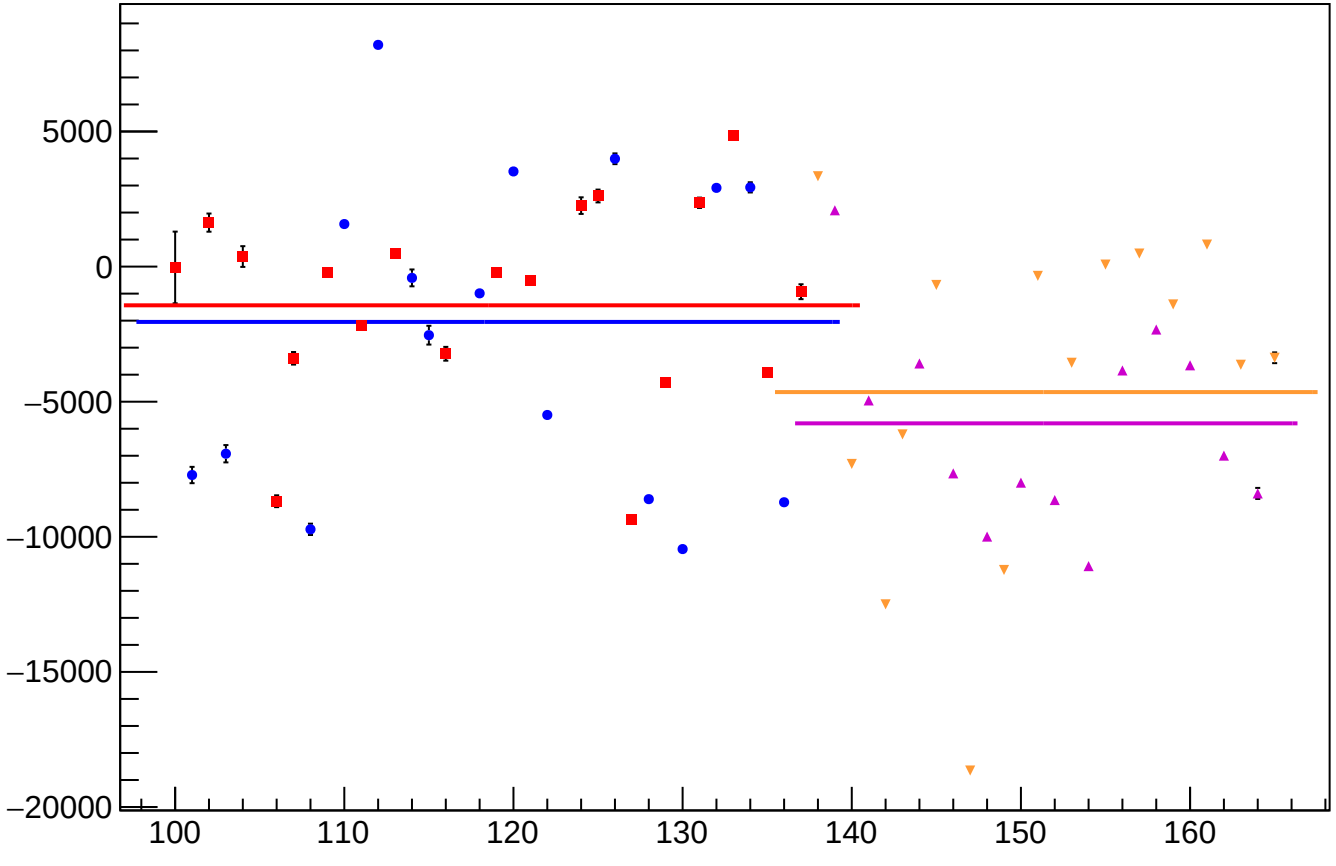
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 217.200+/-0.037 χ^2/NDF:1001953.1/28

Out: 225.089+/-0.037 χ^2/NDF:1502757.9/33

All: 221.119+/-0.026 χ^2/NDF: 2527086.3/62

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4643.867+/-35.414 χ^2/NDF:29736.6/14

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5801.144+/-36.961 χ^2/NDF:9436.1/12

Left: -5197.785+/-25.571 χ^2/NDF: 39683.8/27

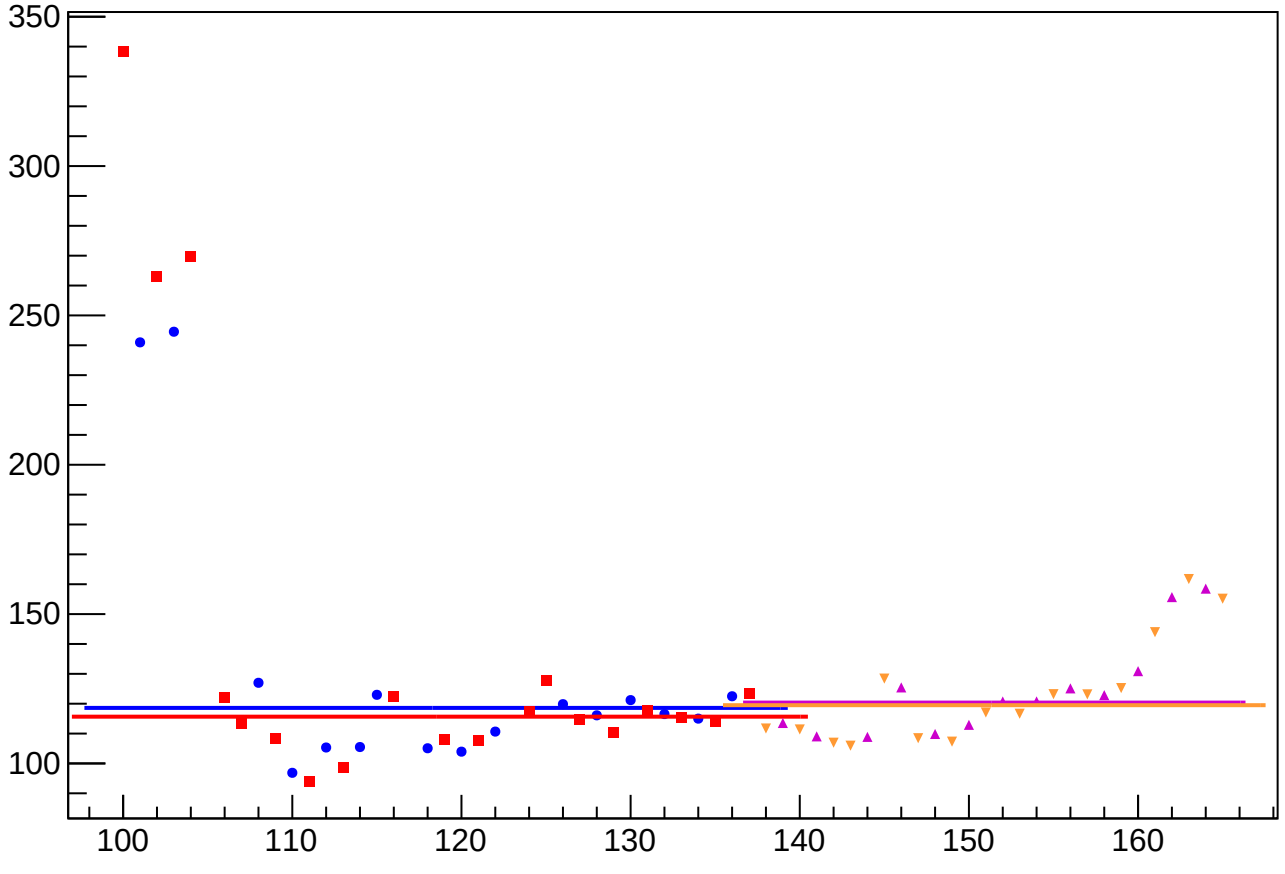
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4356.185+/-28.987 χ^2/NDF:30115.8/28

Out: -3406.611+/-27.765 χ^2/NDF:39292.0/33

All: -3860.960+/-20.051 χ^2/NDF: 69967.4/62

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 119.502+/-0.025 χ^2/NDF:331883.8/14

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

Left: 119.919+/-0.018 χ^2/NDF: 567436.9/27

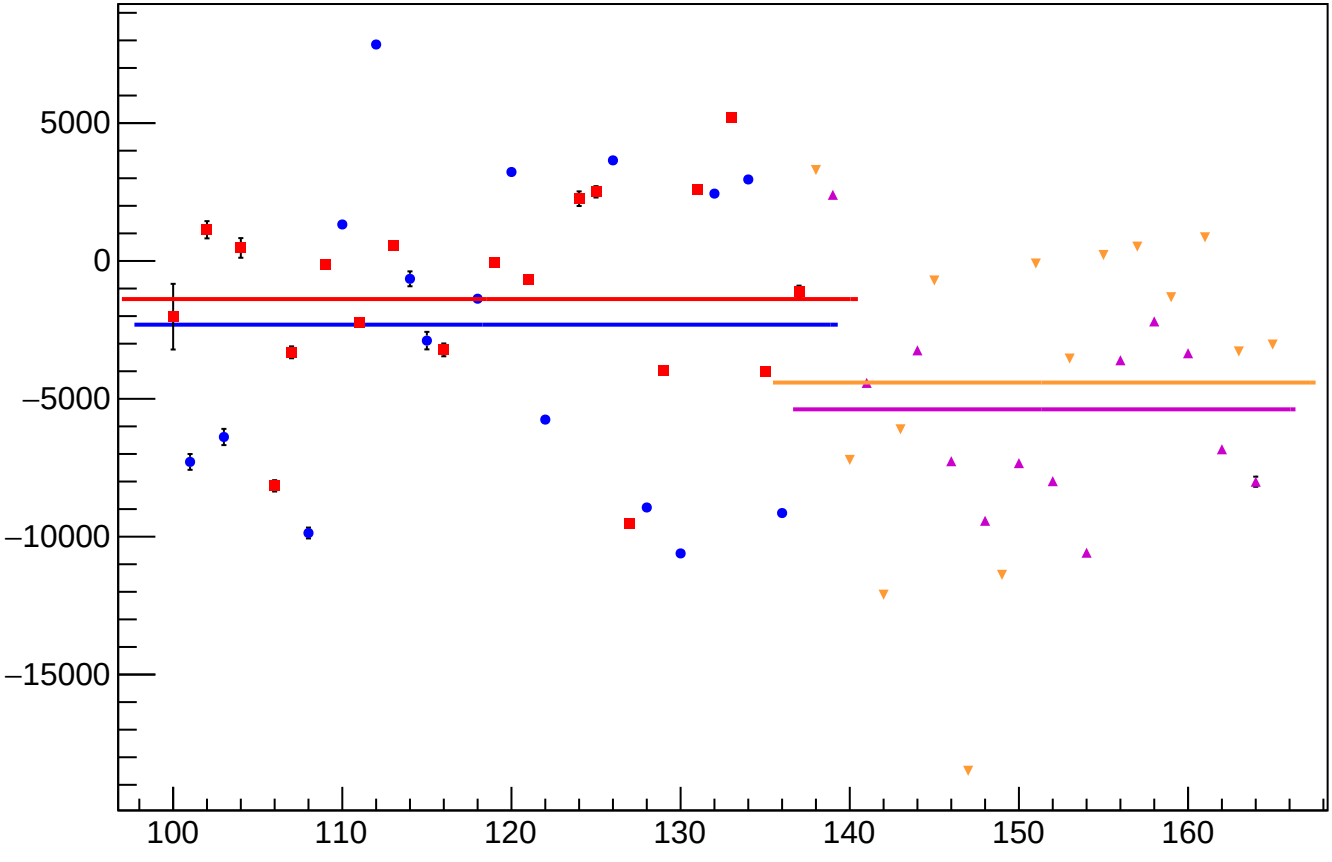
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 119.689+/-0.020 χ^2/NDF:970912.6/28

Out: 118.022+/-0.020 χ^2/NDF:1205163.3/33

All: 118.819+/-0.014 χ^2/NDF: 2179525.7/62

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4409.970+/-31.755 χ^2/NDF:35957.3/14

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5381.420+/-33.136 χ^2/NDF:11219.0/12

Left: -4875.027+/-22.927 χ^2/NDF: 47624.3/27

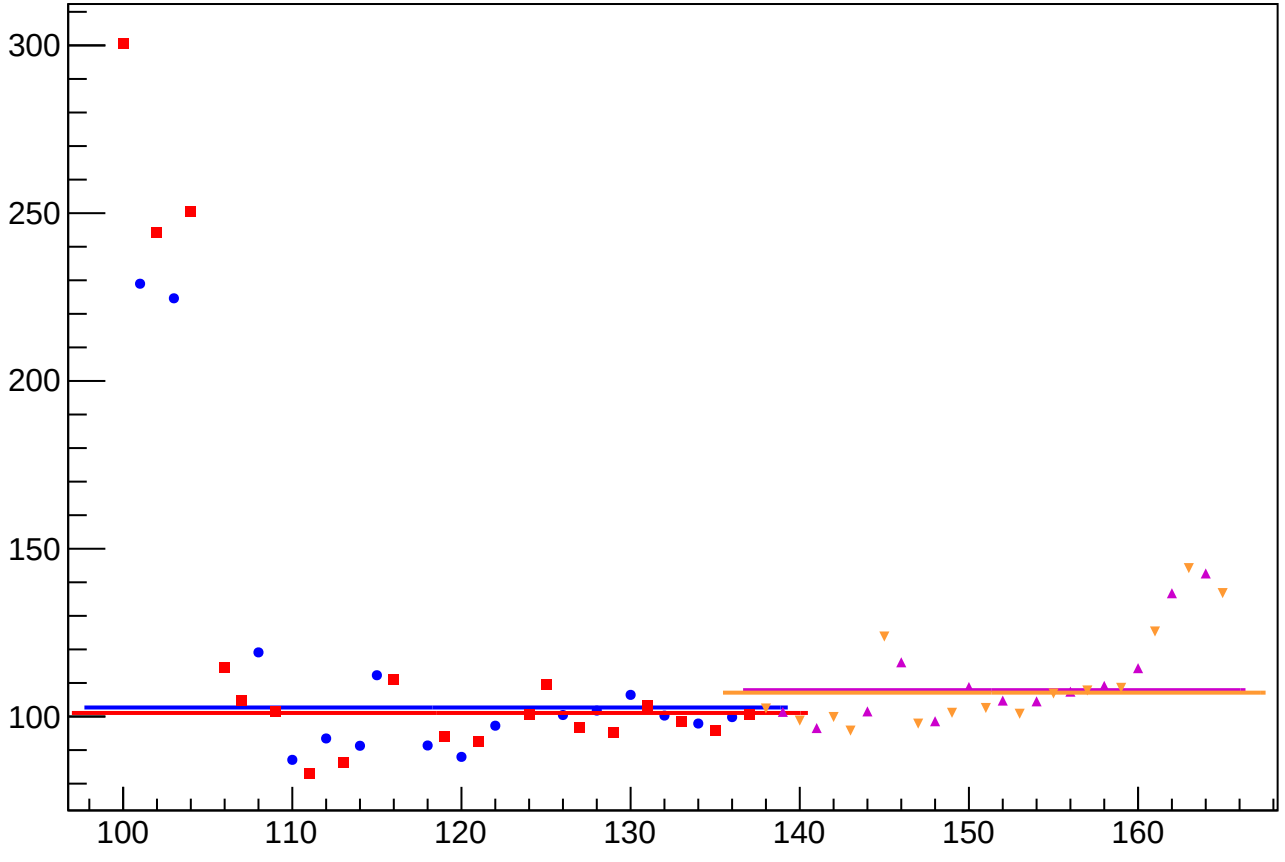
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4158.542+/-25.705 χ^2/NDF:36318.5/28

Out: -3215.521+/-24.710 χ^2/NDF:48122.5/33

All: -3668.422+/-17.814 χ^2/NDF: 85140.6/62

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 107.115+/-0.022 χ^2/NDF:301242.4/14

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 107.858+/-0.023 χ^2/NDF:211938.3/12

Left: 107.470+/-0.016 χ^2/NDF: 513704.9/27

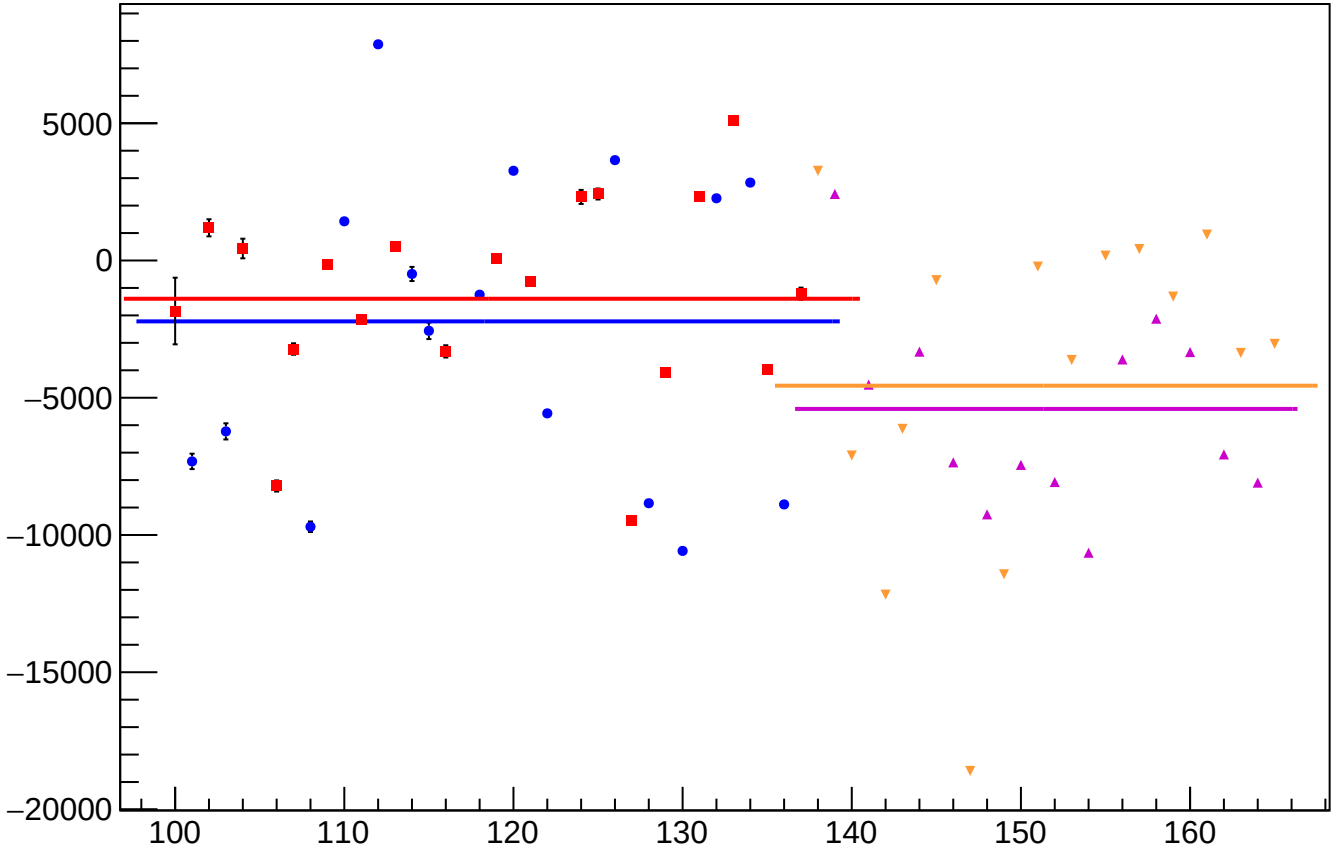
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 105.801+/-0.018 χ^2/NDF:1057081.3/28

Out: 104.727+/-0.017 χ^2/NDF:1260351.3/33

All: 105.243+/-0.013 χ^2/NDF: 2319246.6/62

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4560.796+/-31.086 χ^2/NDF:38817.4/14

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5406.740+/-32.401 χ^2/NDF:11888.7/12

Left: -4966.250+/-22.431 χ^2/NDF: 51061.0/27

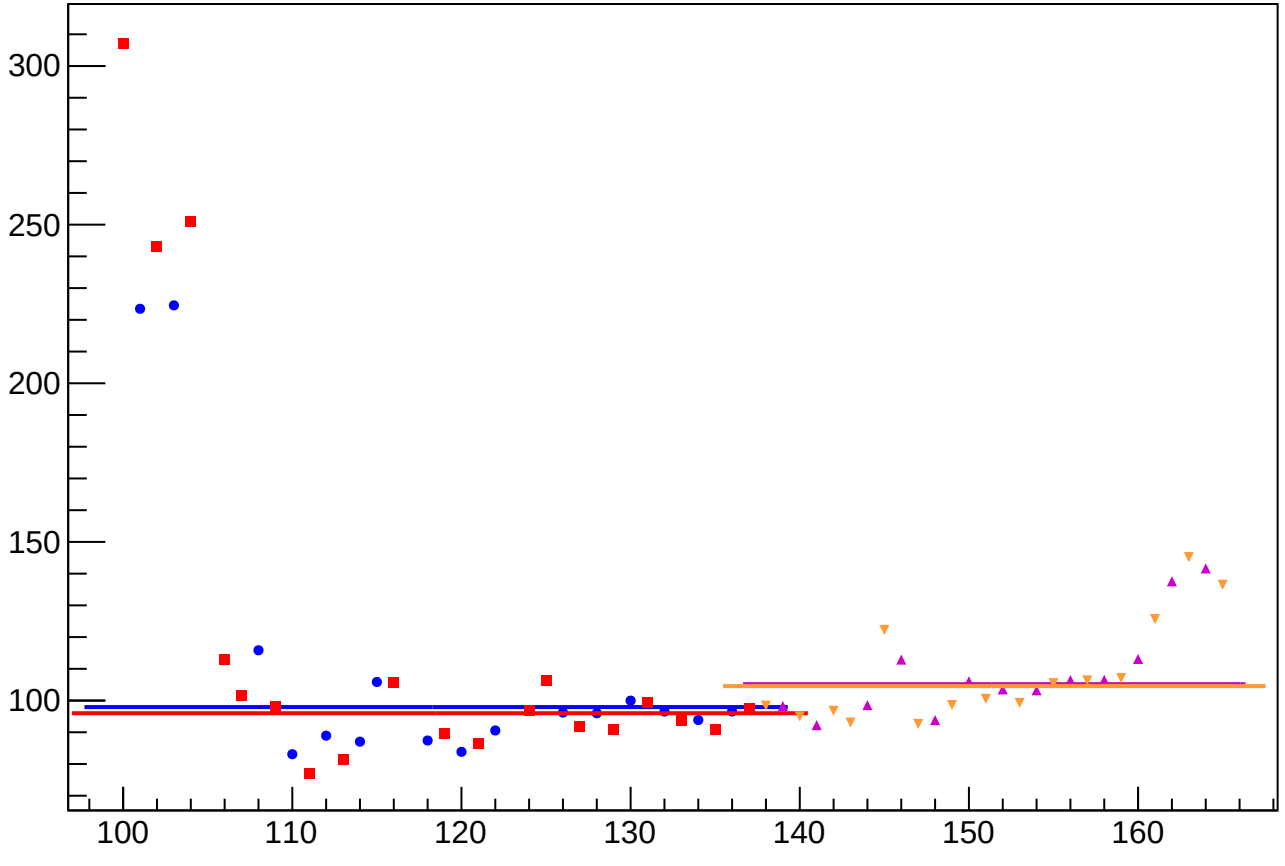
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4106.143+/-24.932 χ^2/NDF:38879.8/28

Out: -3274.070+/-23.953 χ^2/NDF:52186.9/33

All: -3673.442+/-17.273 χ^2/NDF: 91646.0/62

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 104.548+/-0.022 χ^2/NDF:367931.9/14

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 105.170+/-0.023 χ^2/NDF:258729.1/12

Left: 104.846+/-0.016 χ^2/NDF: 627044.2/27

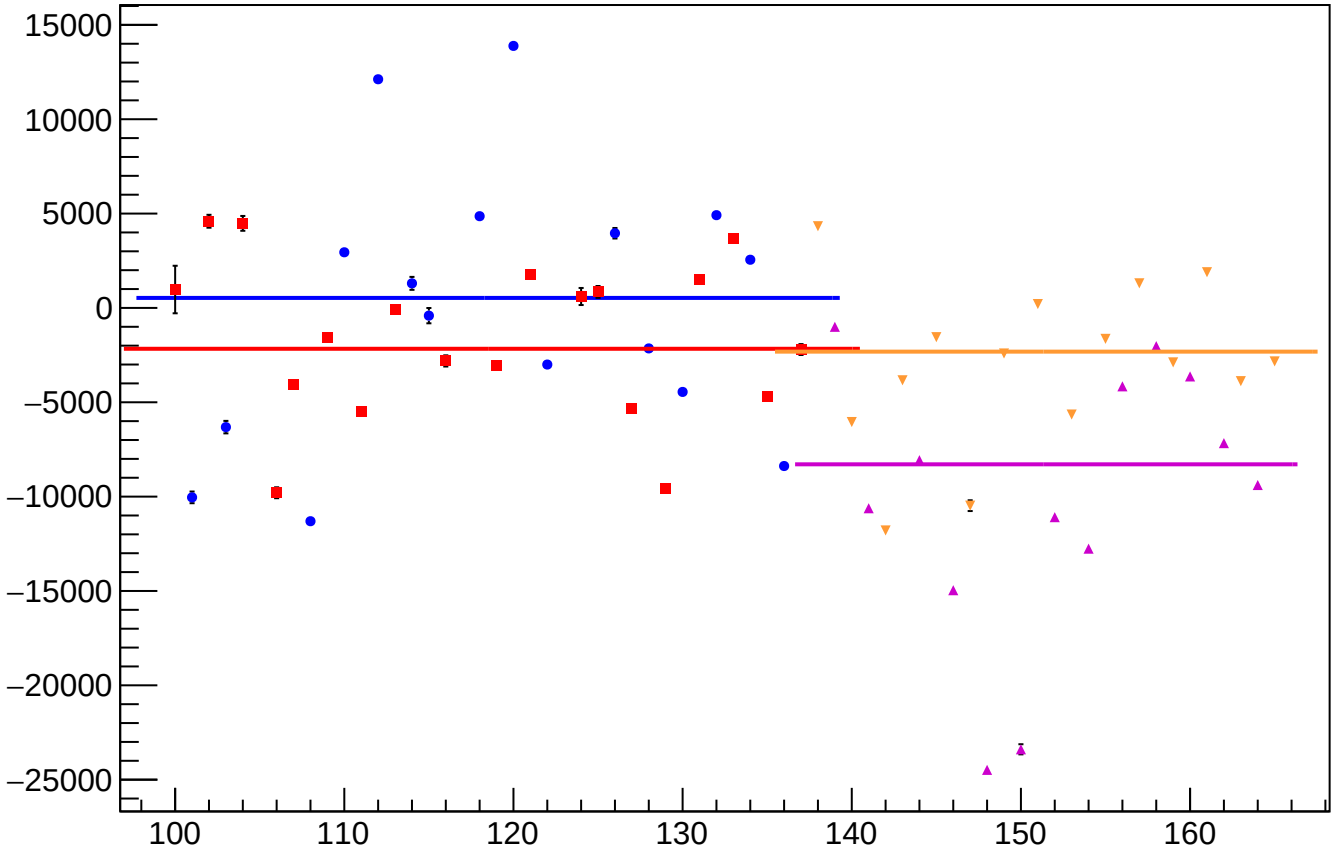
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 102.222+/-0.018 χ^2/NDF:1167453.5/28

Out: 101.077+/-0.017 χ^2/NDF:1441594.3/33

All: 101.627+/-0.012 χ^2/NDF: 2611241.5/62

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2316.582+/-45.579 χ^2/NDF:6954.5/14

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8288.269+/-48.717 χ^2/NDF:14794.7/12

Left: -5103.914+/-33.283 χ^2/NDF: 29761.6/27

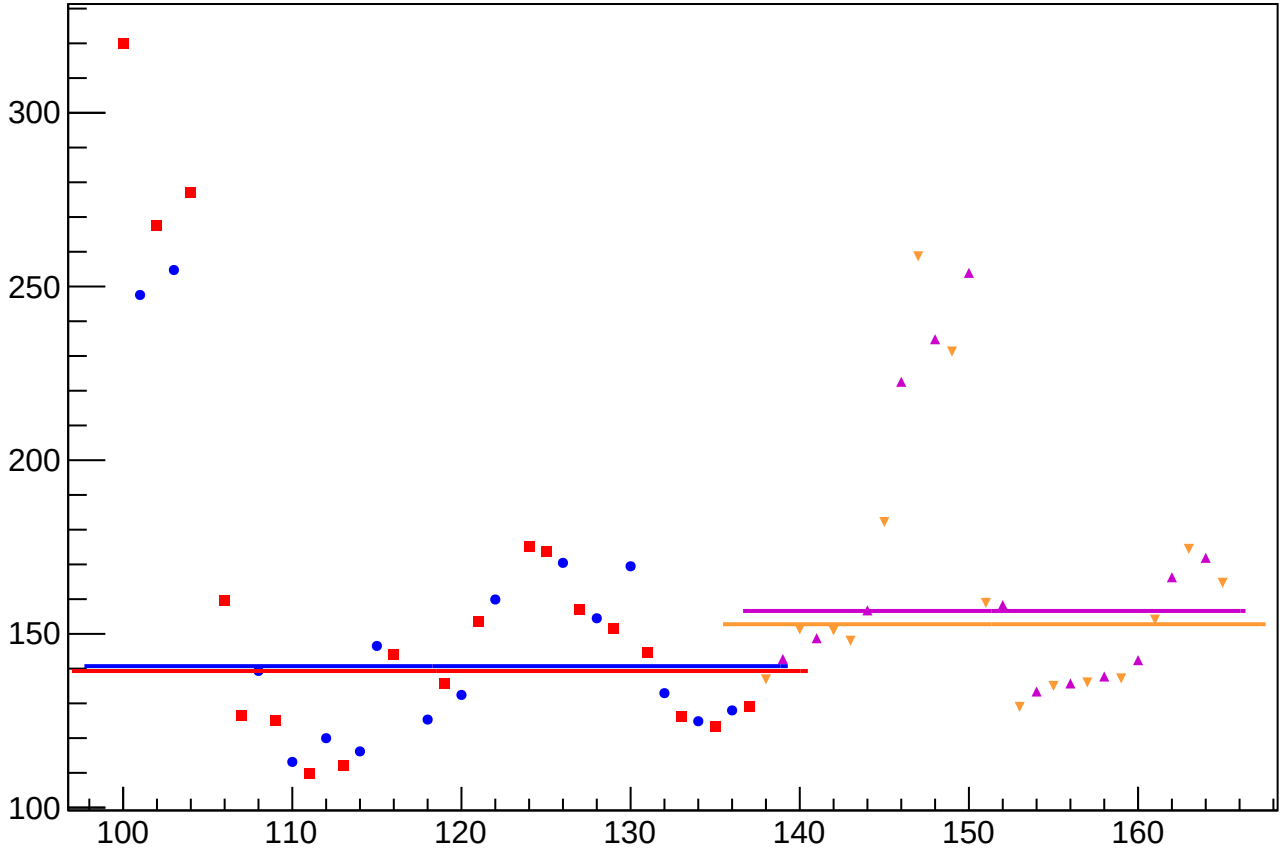
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4399.645+/-36.426 χ^2/NDF:47831.7/28

Out: -2252.773+/-34.684 χ^2/NDF:11926.3/33

All: -3273.648+/-25.118 χ^2/NDF: 61579.9/62

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.782+/-0.032 χ^2/NDF:696078.0/14

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 156.605+/-0.034 χ^2/NDF:771943.0/12

Left: 154.566+/-0.024 χ^2/NDF: 1474590.6/27

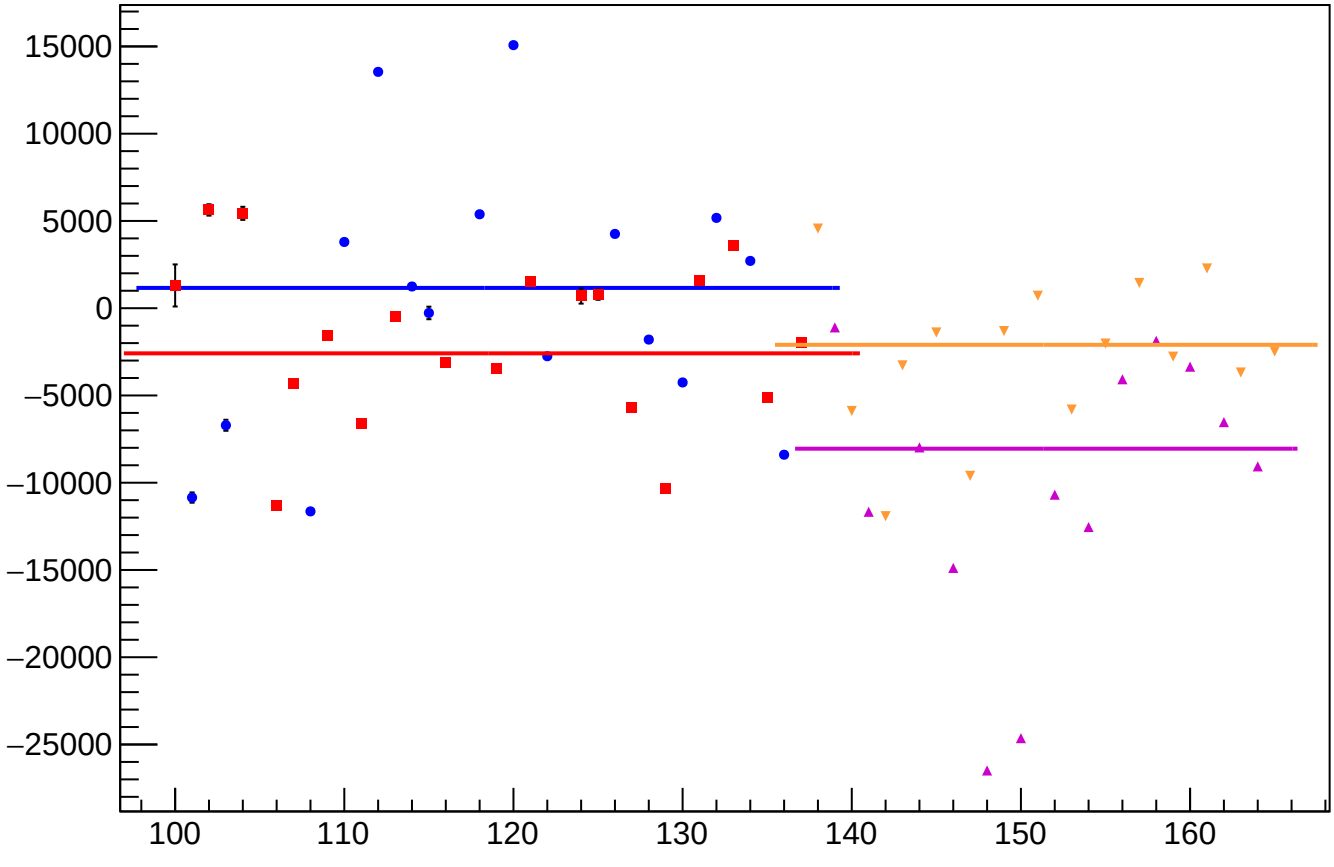
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 149.599+/-0.026 χ^2/NDF:1541384.2/28

Out: 147.114+/-0.025 χ^2/NDF:1571866.2/33

All: 148.295+/-0.018 χ^2/NDF: 3118131.5/62

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2098.166+/-40.152 χ^2/NDF:9199.4/14

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -8050.101+/-42.987 χ^2/NDF:19889.1/12

Left: -4871.455+/-29.343 χ^2/NDF: 39326.8/27

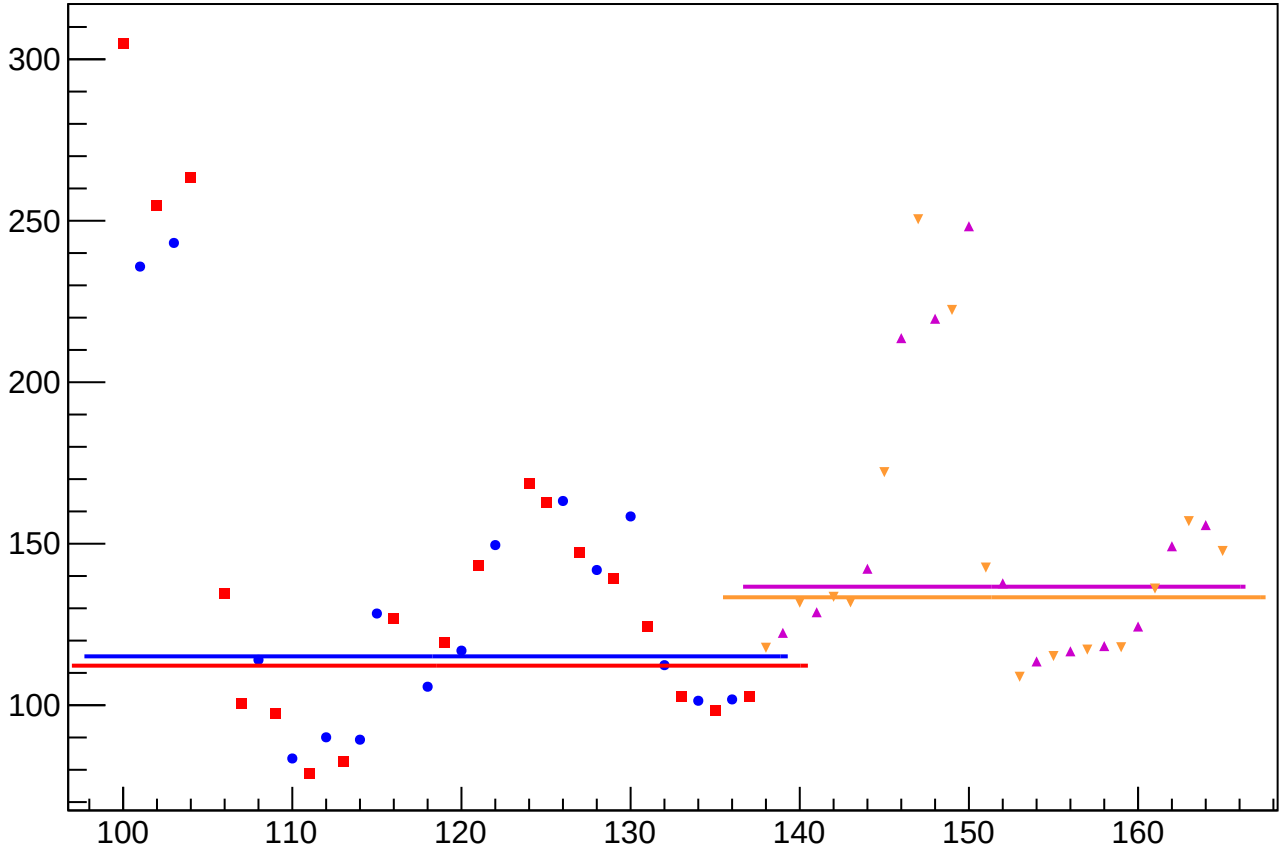
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3748.189+/-31.385 χ^2/NDF:72091.8/28

Out: -2318.762+/-29.737 χ^2/NDF:17365.9/33

All: -2994.965+/-21.587 χ^2/NDF: 90550.8/62

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 133.416+/-0.028 χ^2/NDF:971579.0/14

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 136.691+/-0.030 χ^2/NDF:1053790.4/12

Left: 134.942+/-0.021 χ^2/NDF: 2031567.4/27

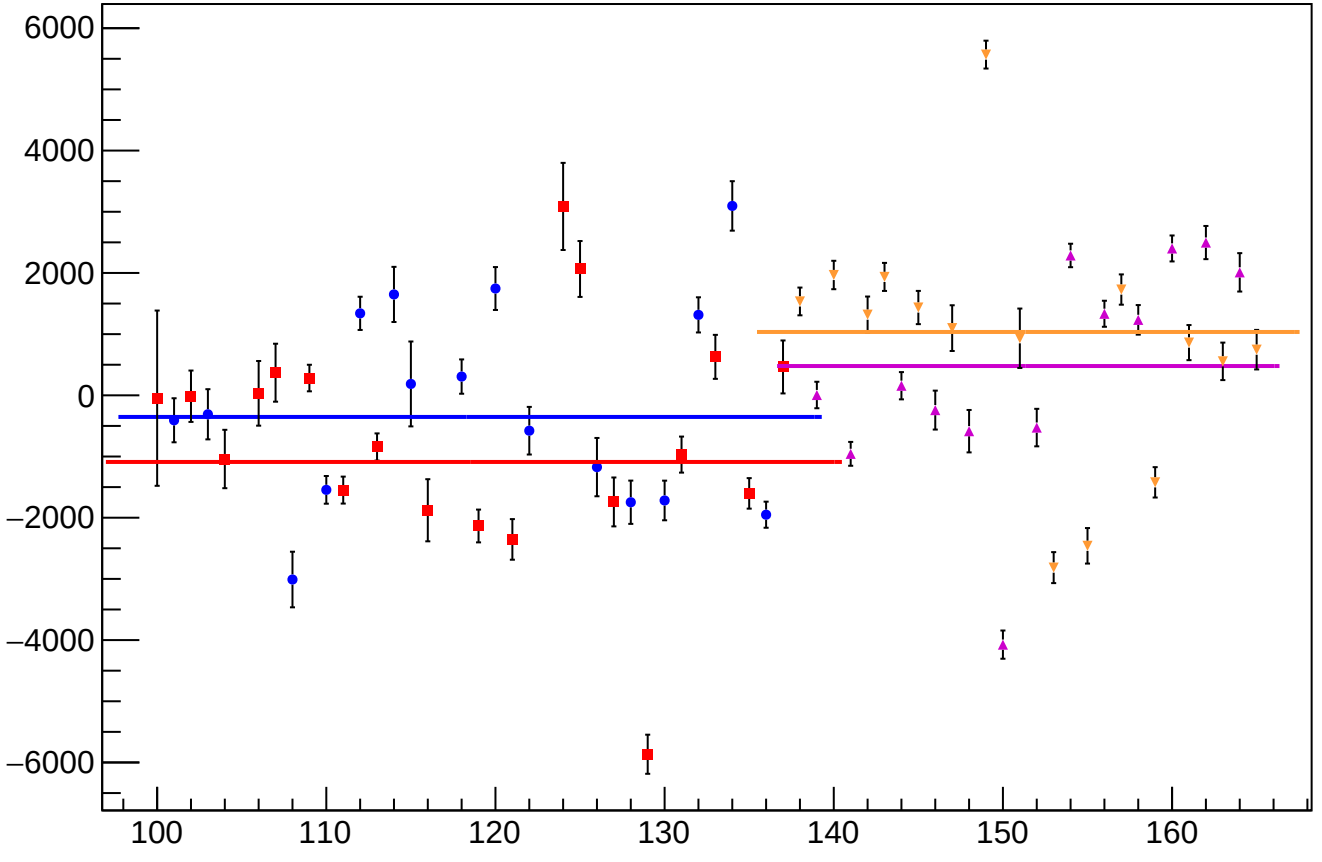
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 126.621+/-0.022 χ^2/NDF:2401806.0/28

Out: 123.856+/-0.021 χ^2/NDF:2550866.0/33

All: 125.164+/-0.015 χ^2/NDF: 4960853.8/62

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1035.548+/-69.826 χ^2/NDF:921.4/14

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 478.812+/-66.252 χ^2/NDF:752.0/12

Left: 742.564+/-48.061 χ^2/NDF: 1706.9/27

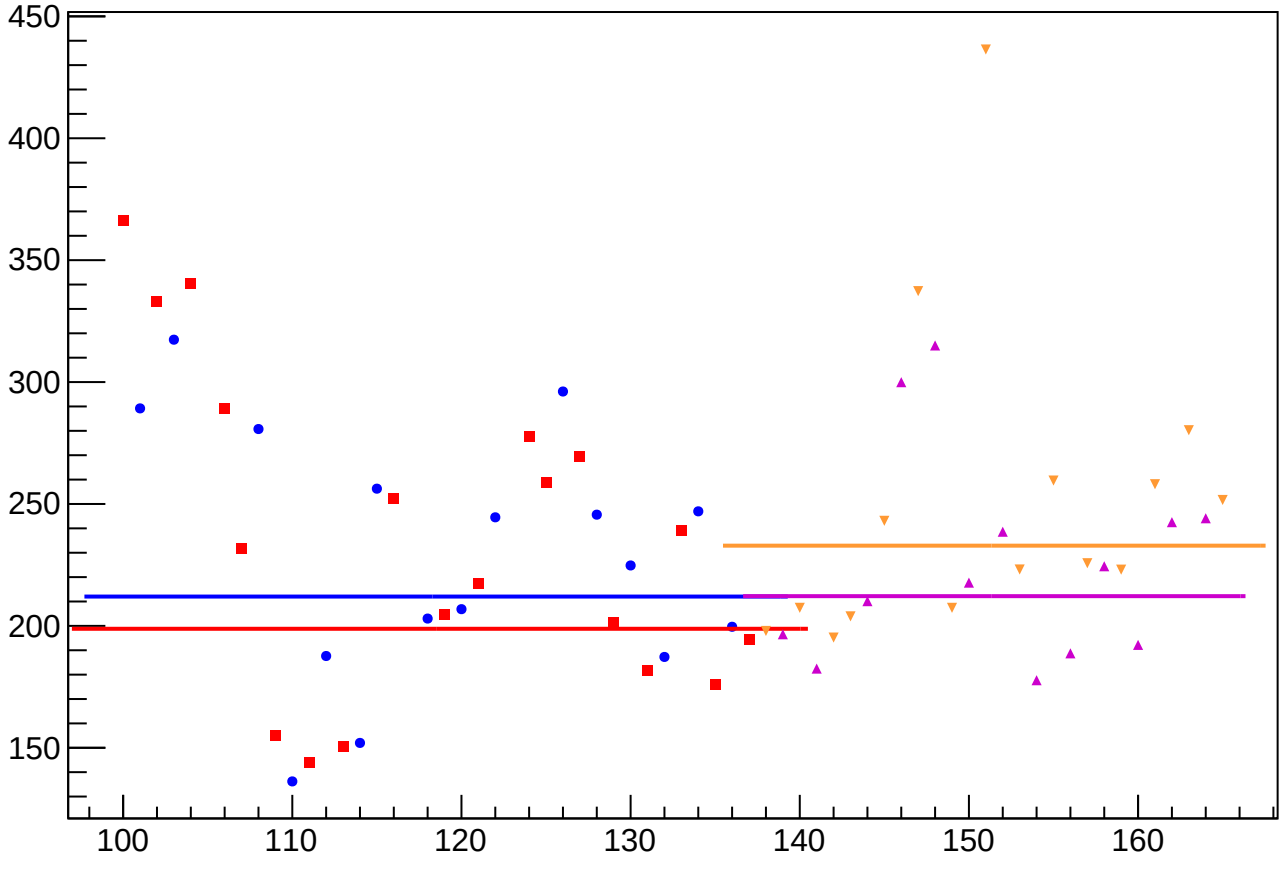
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 150.887+/-51.567 χ^2/NDF:1176.0/28

Out: 69.307+/-51.556 χ^2/NDF:1789.5/33

All: 110.088+/-36.459 χ^2/NDF: 2966.8/62

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 232.903+/-0.049 χ^2/NDF:766303.5/14

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 212.191+/-0.047 χ^2/NDF:558866.7/12

Left: 222.004+/-0.034 χ^2/NDF: 1417776.1/27

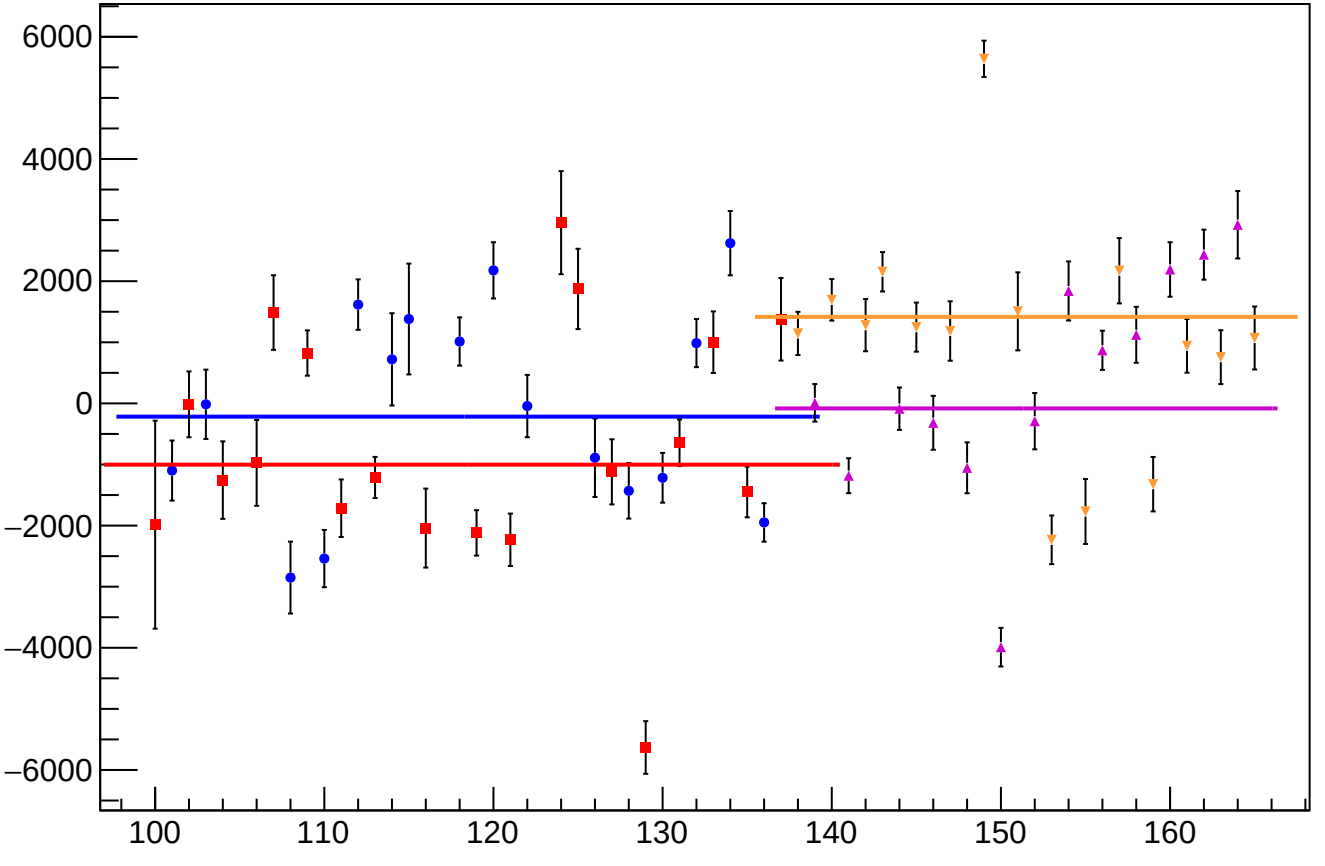
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 212.127+/-0.036 χ^2/NDF:1249229.5/28

Out: 217.396+/-0.036 χ^2/NDF:1958110.5/33

All: 214.762+/-0.026 χ^2/NDF: 3217782.8/62

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1416.009+/-106.339 χ^2/NDF:372.3/14

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -82.172+/-105.524 χ^2/NDF:299.1/12

Left: 661.156+/-74.903 χ^2/NDF: 771.3/27

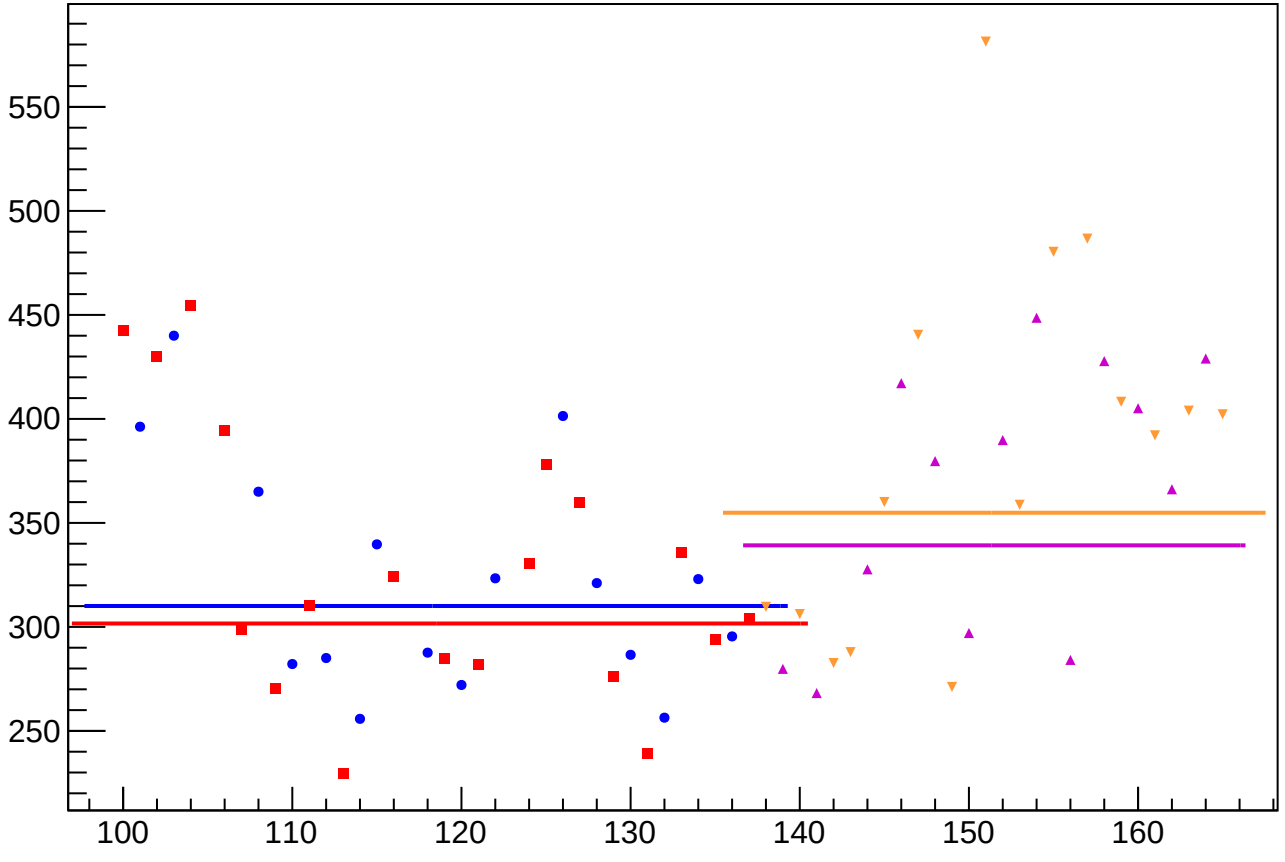
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -142.125+/-78.626 χ^2/NDF:492.0/28

Out: 281.051+/-77.477 χ^2/NDF:869.4/33

All: 72.578+/-55.186 χ^2/NDF: 1376.1/62

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 354.894+/-0.075 χ^2/NDF:1007937.9/14

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 339.213+/-0.075 χ^2/NDF:682821.1/12

Left: 346.993+/-0.053 χ^2/NDF: 1712669.5/27

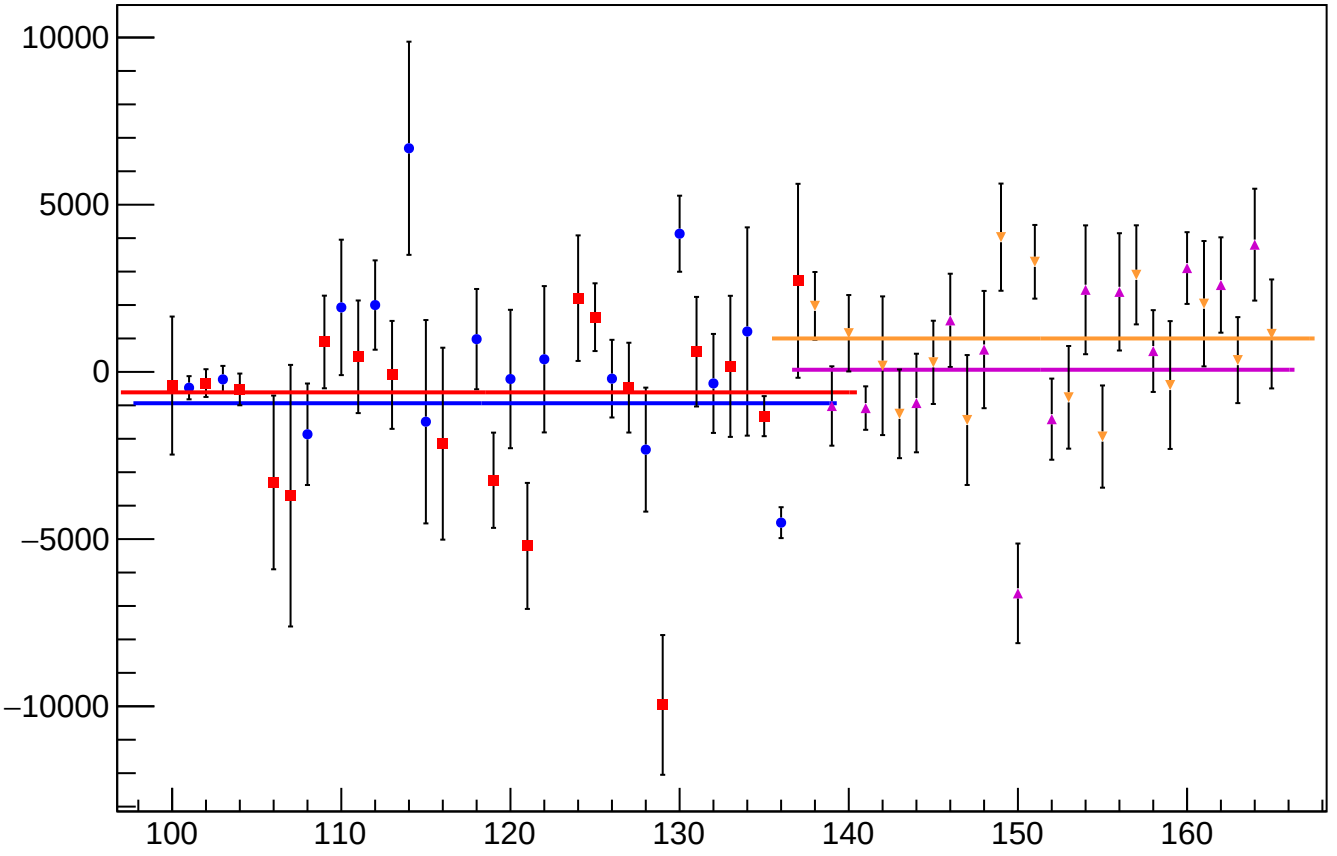
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 326.246+/-0.056 χ^2/NDF:1073999.8/28

Out: 329.907+/-0.055 χ^2/NDF:1763181.7/33

All: 328.103+/-0.039 χ^2/NDF: 2839381.8/62

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 999.992+/-364.811 χ^2/NDF:21.5/14

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 64.377+/-343.266 χ^2/NDF:47.0/12

Left: 503.742+/-249.995 χ^2/NDF: 72.0/27

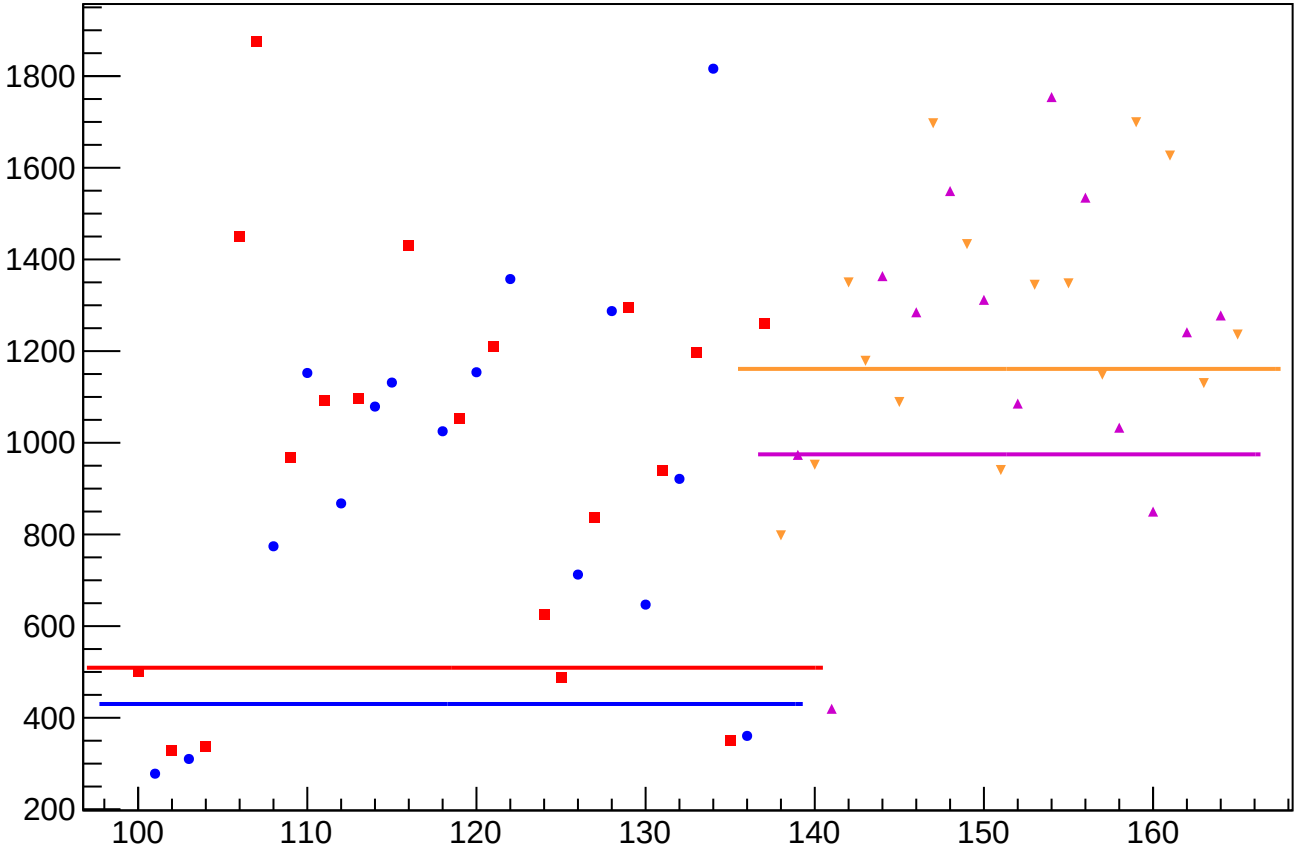
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -674.245+/-175.823 χ^2/NDF:154.4/28

Out: -144.306+/-196.453 χ^2/NDF:79.5/33

All: -438.552+/-131.014 χ^2/NDF: 238.0/62

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1161.205+/-0.258 χ^2/NDF:983817.5/14

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 974.759+/-0.243 χ^2/NDF:2728579.8/12

Left: 1062.314+/-0.177 χ^2/NDF: 3989477.5/27

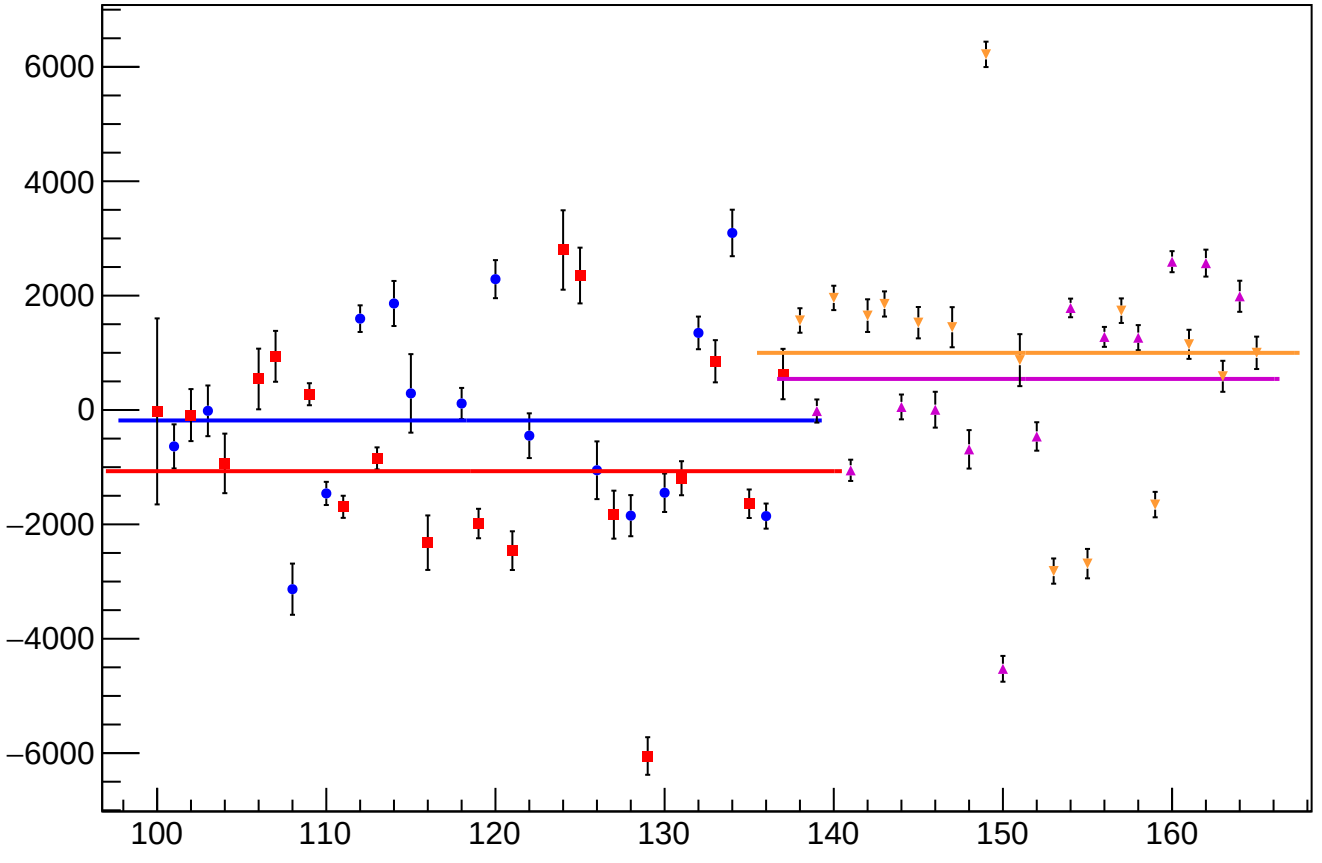
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 573.002+/-0.124 χ^2/NDF:9964495.2/28

Out: 698.299+/-0.139 χ^2/NDF:9192631.4/33

All: 628.729+/-0.093 χ^2/NDF: 19608854.8/62

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 999.347+/-64.231 χ^2/NDF:1267.6/14

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 543.299+/-59.565 χ^2/NDF:937.1/12

Left: 754.162+/-43.675 χ^2/NDF: 2231.8/27

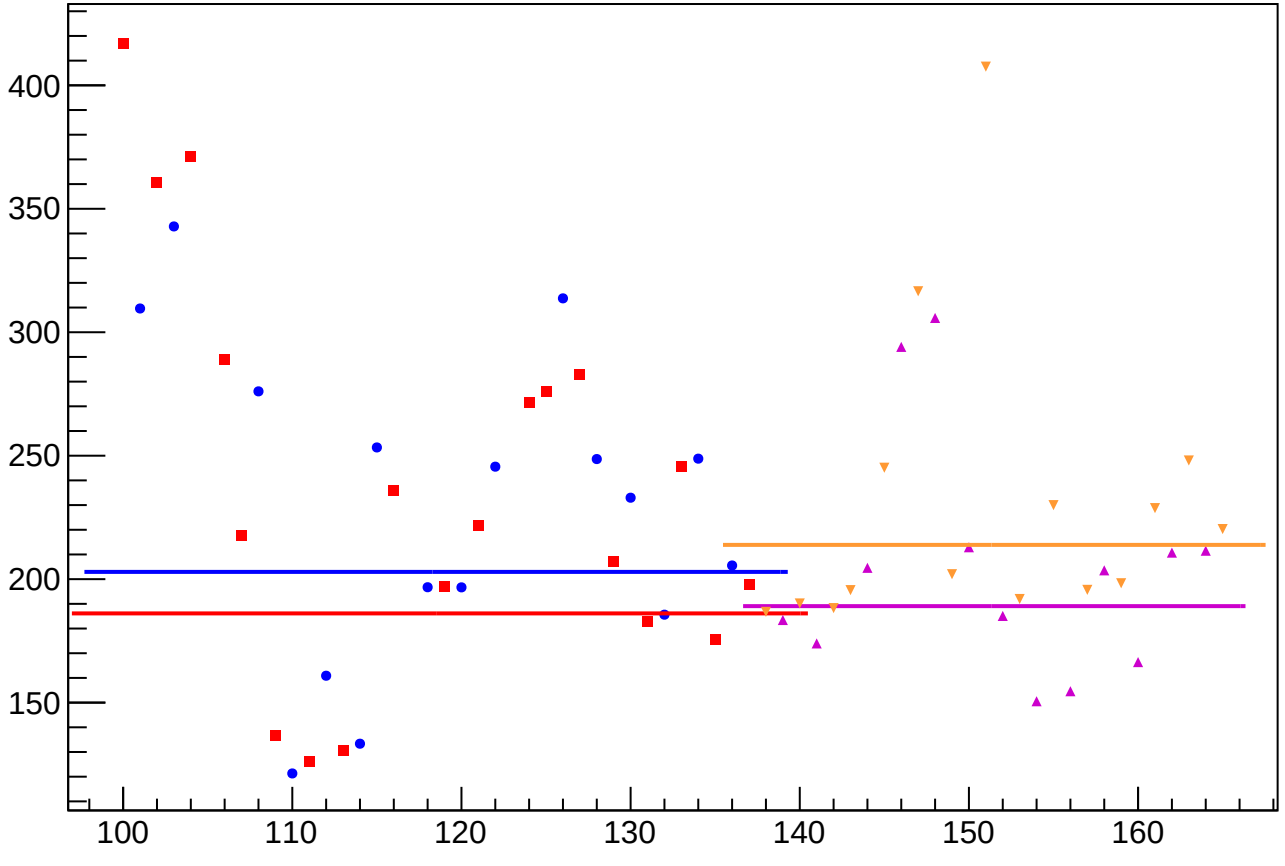
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 283.681+/-47.747 χ^2/NDF:1407.9/28

Out: 97.334+/-48.239 χ^2/NDF:2212.2/33

All: 191.463+/-33.935 χ^2/NDF: 3627.7/62

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.880+/-0.045 χ^2/NDF:744680.8/14

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 189.074+/-0.042 χ^2/NDF:772756.8/12

Left: 200.544+/-0.031 χ^2/NDF: 1677814.4/27

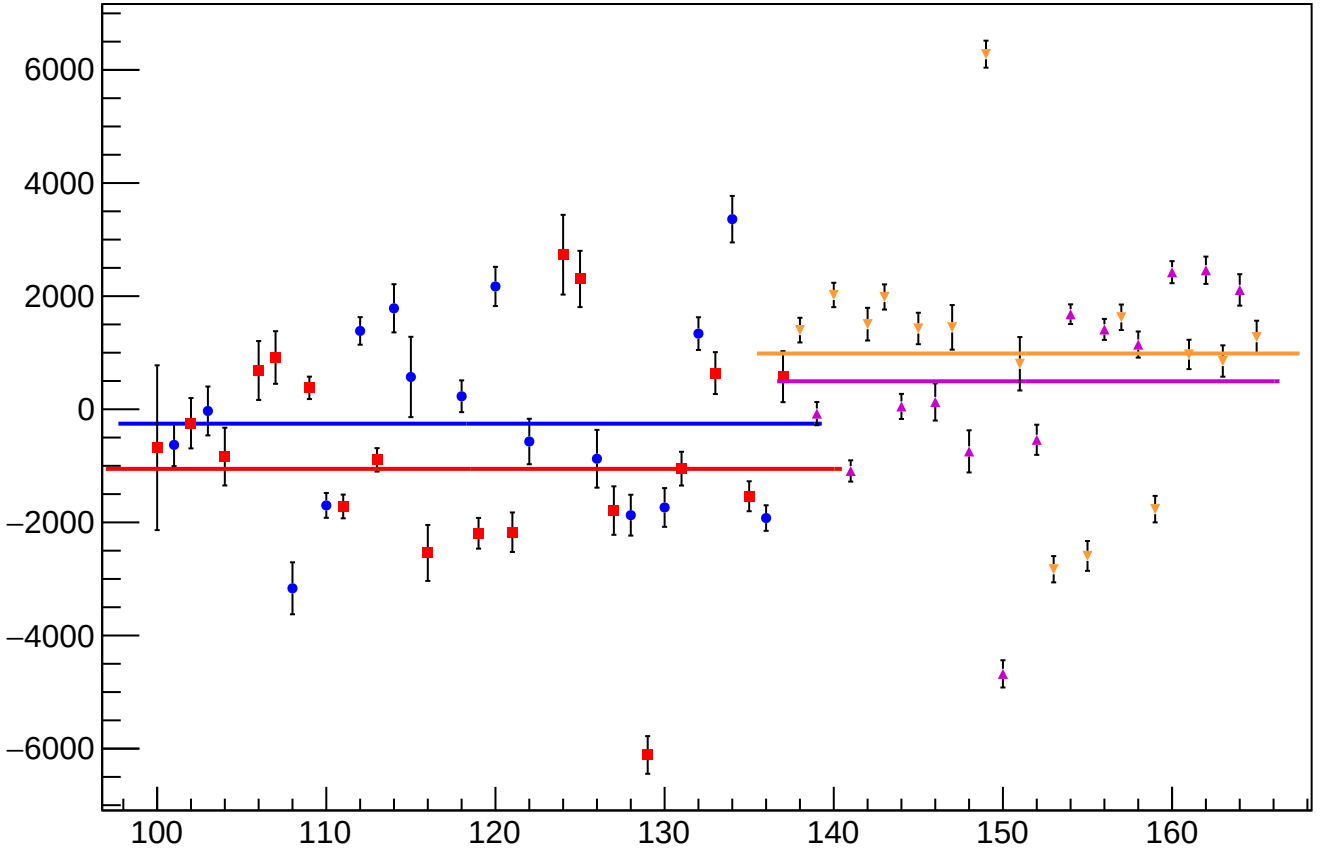
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 194.031+/-0.034 χ^2/NDF:1883359.9/28

Out: 201.782+/-0.034 χ^2/NDF:2389107.4/33

All: 197.867+/-0.024 χ^2/NDF: 4298550.0/62

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 985.893+/-66.439 χ^2/NDF:1145.6/14

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 495.030+/-62.359 χ^2/NDF:847.7/12

Left: 724.927+/-45.469 χ^2/NDF: 2022.3/27

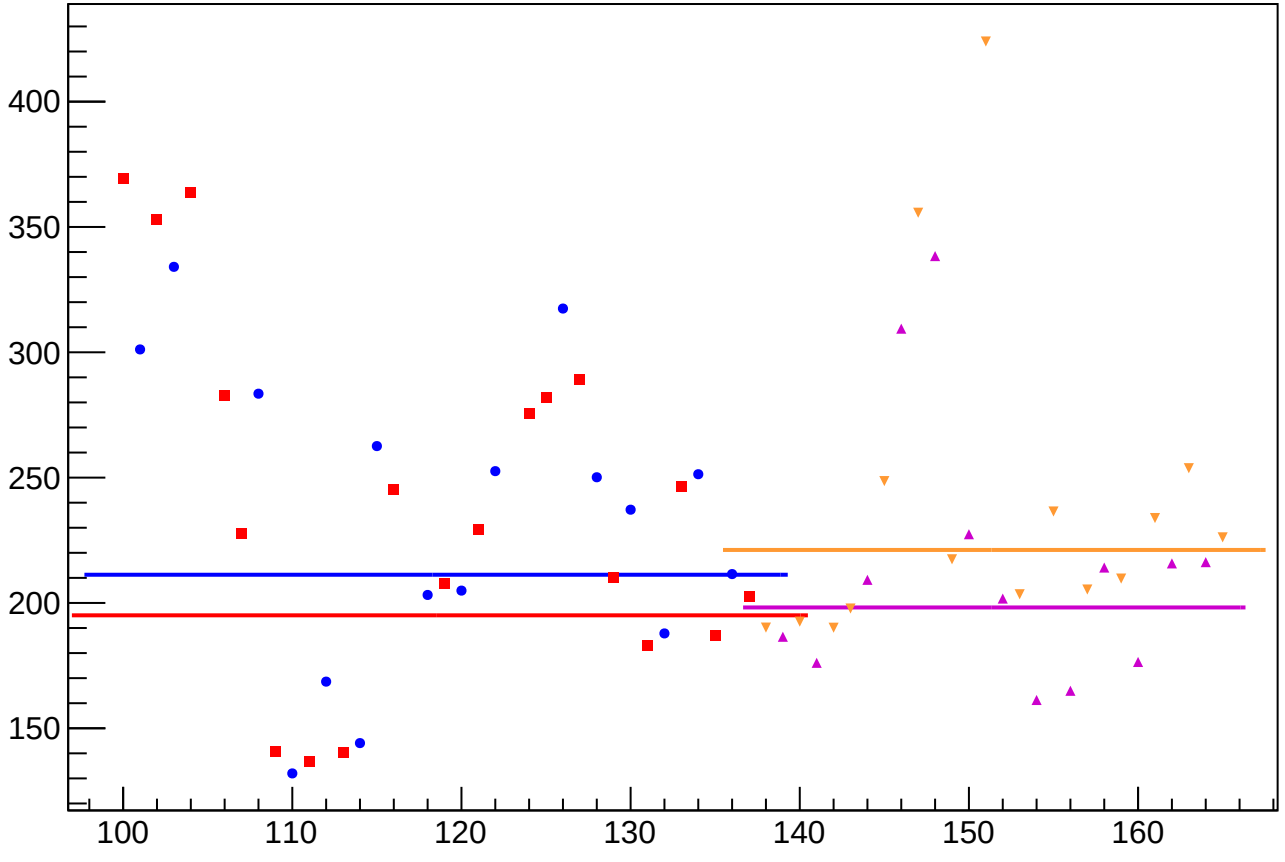
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 222.470+/-49.744 χ^2/NDF:1309.5/28

Out: 101.966+/-50.012 χ^2/NDF:2031.7/33

All: 162.541+/-35.269 χ^2/NDF: 3344.1/62

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.145+/-0.047 χ^2/NDF:808297.0/14

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 198.203+/-0.044 χ^2/NDF:788429.8/12

Left: 208.948+/-0.032 χ^2/NDF: 1723508.6/27

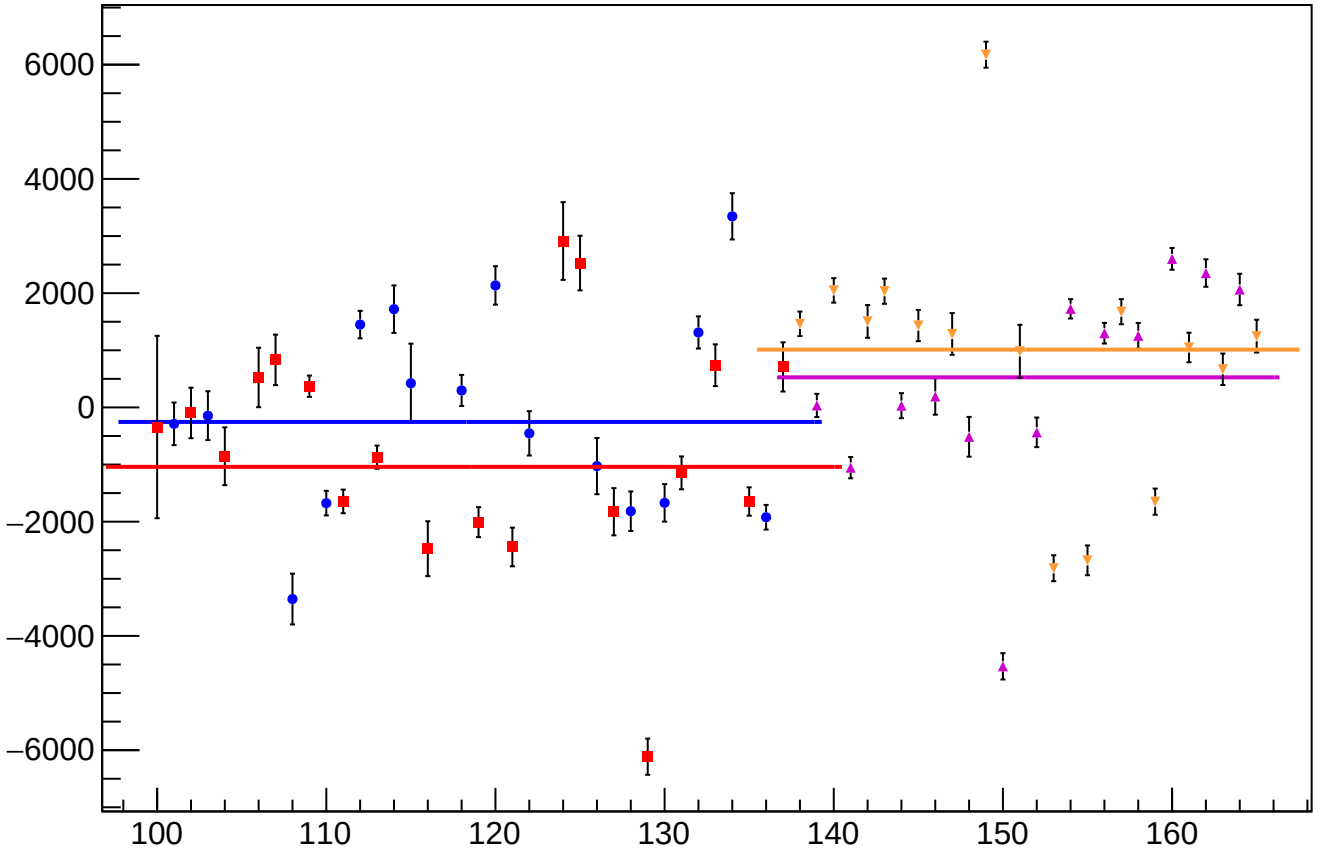
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 202.949+/-0.035 χ^2/NDF:1704648.4/28

Out: 209.841+/-0.035 χ^2/NDF:2226769.6/33

All: 206.376+/-0.025 χ^2/NDF: 3950509.5/62

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1011.633+/-65.225 χ^2/NDF:1198.8/14

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 526.494+/-60.957 χ^2/NDF:874.6/12

Left: 752.672+/-44.536 χ^2/NDF: 2102.9/27

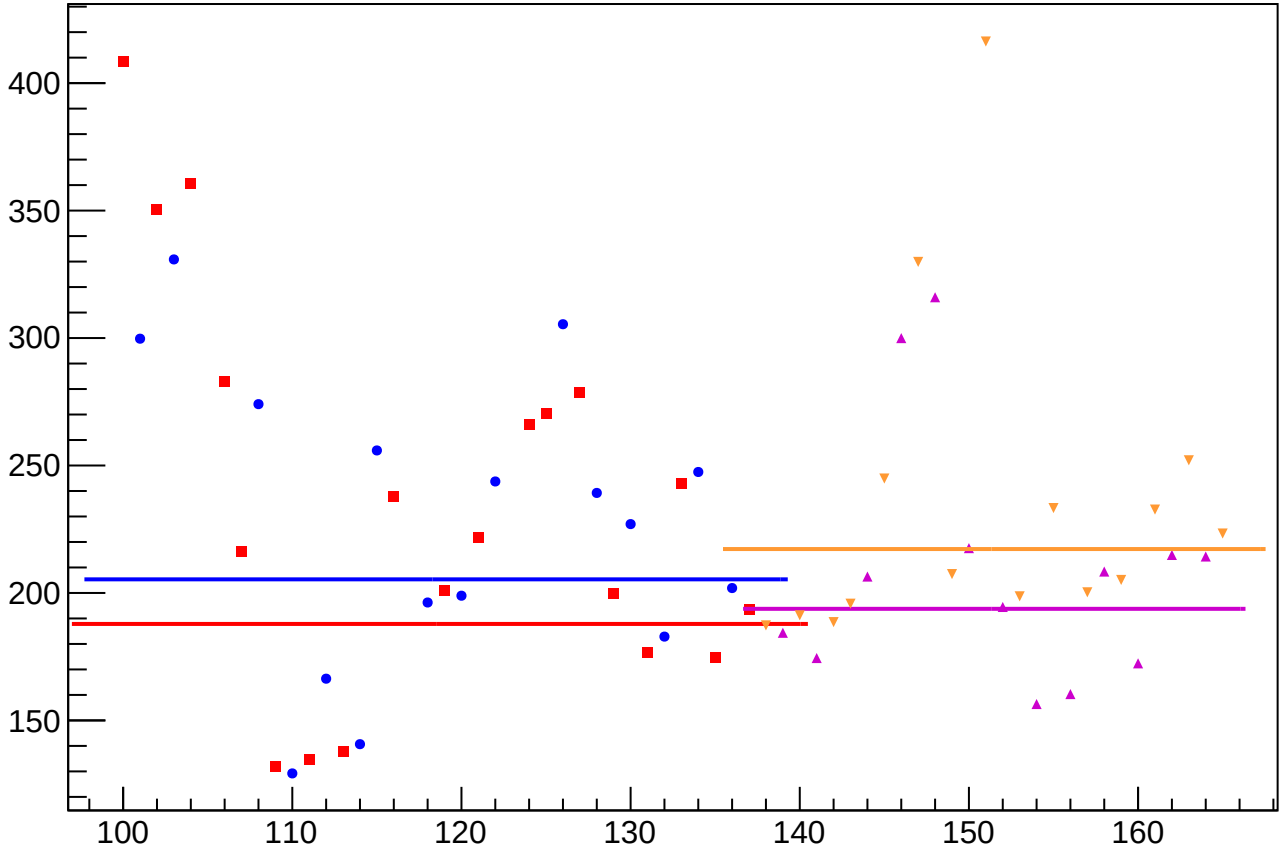
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 240.791+/-48.535 χ^2/NDF:1366.7/28

Out: 105.715+/-48.745 χ^2/NDF:2169.2/33

All: 173.545+/-34.394 χ^2/NDF: 3539.7/62

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.229+/-0.046 χ^2/NDF:767972.1/14

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 193.777+/-0.043 χ^2/NDF:748476.6/12

Left: 204.711+/-0.031 χ^2/NDF: 1654466.1/27

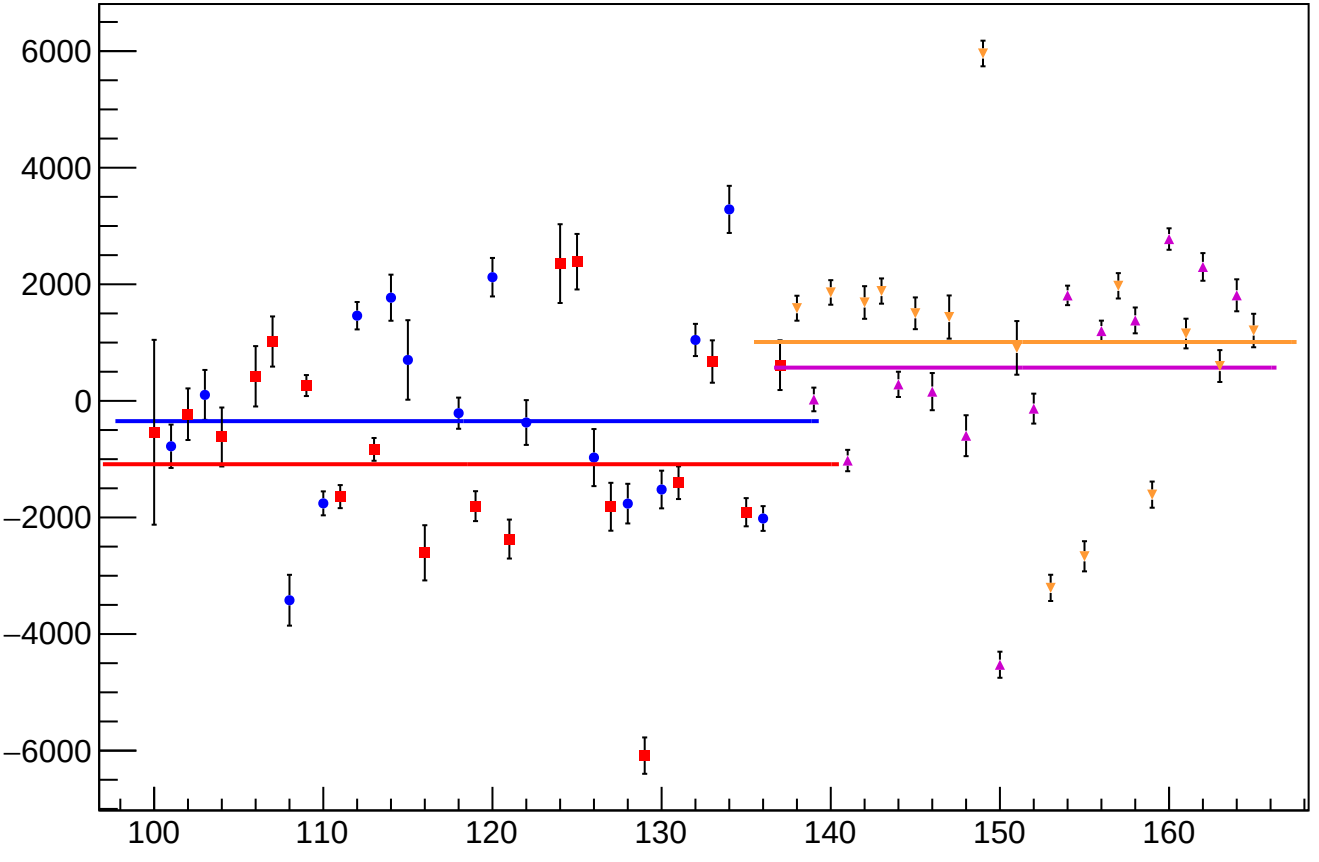
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.010+/-0.034 χ^2/NDF:1652222.9/28

Out: 204.258+/-0.034 χ^2/NDF:2284181.7/33

All: 201.120+/-0.024 χ^2/NDF: 3952905.5/62

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1009.982+/-64.393 χ^2/NDF:1268.8/14

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 570.438+/-60.125 χ^2/NDF:921.4/12

Left: 775.162+/-43.946 χ^2/NDF: 2215.1/27

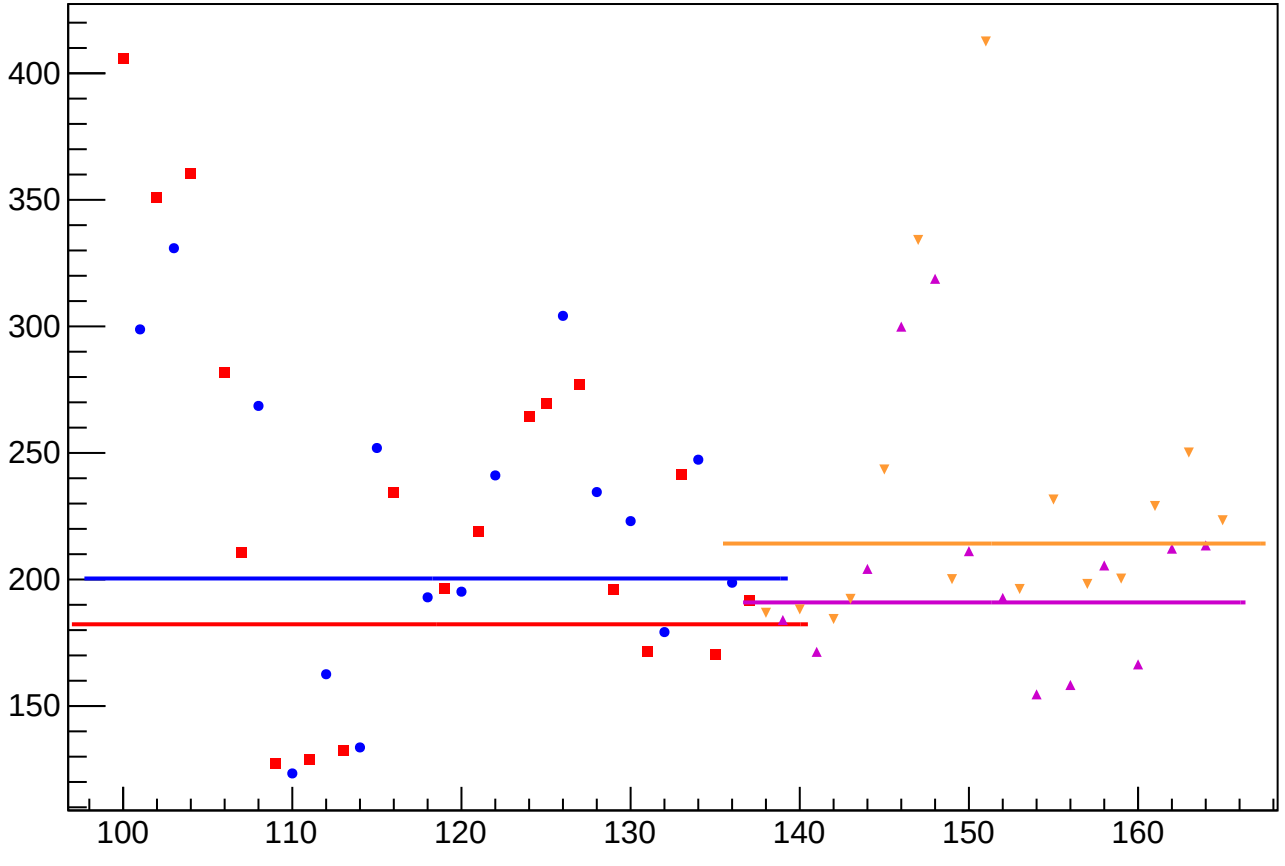
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 231.348+/-47.748 χ^2/NDF:1453.3/28

Out: 71.594+/-47.860 χ^2/NDF:2270.5/33

All: 151.659+/-33.802 χ^2/NDF: 3729.4/62

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.204+/-0.046 χ^2/NDF:802489.1/14

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 190.940+/-0.043 χ^2/NDF:782681.3/12

Left: 201.775+/-0.031 χ^2/NDF: 1724643.0/27

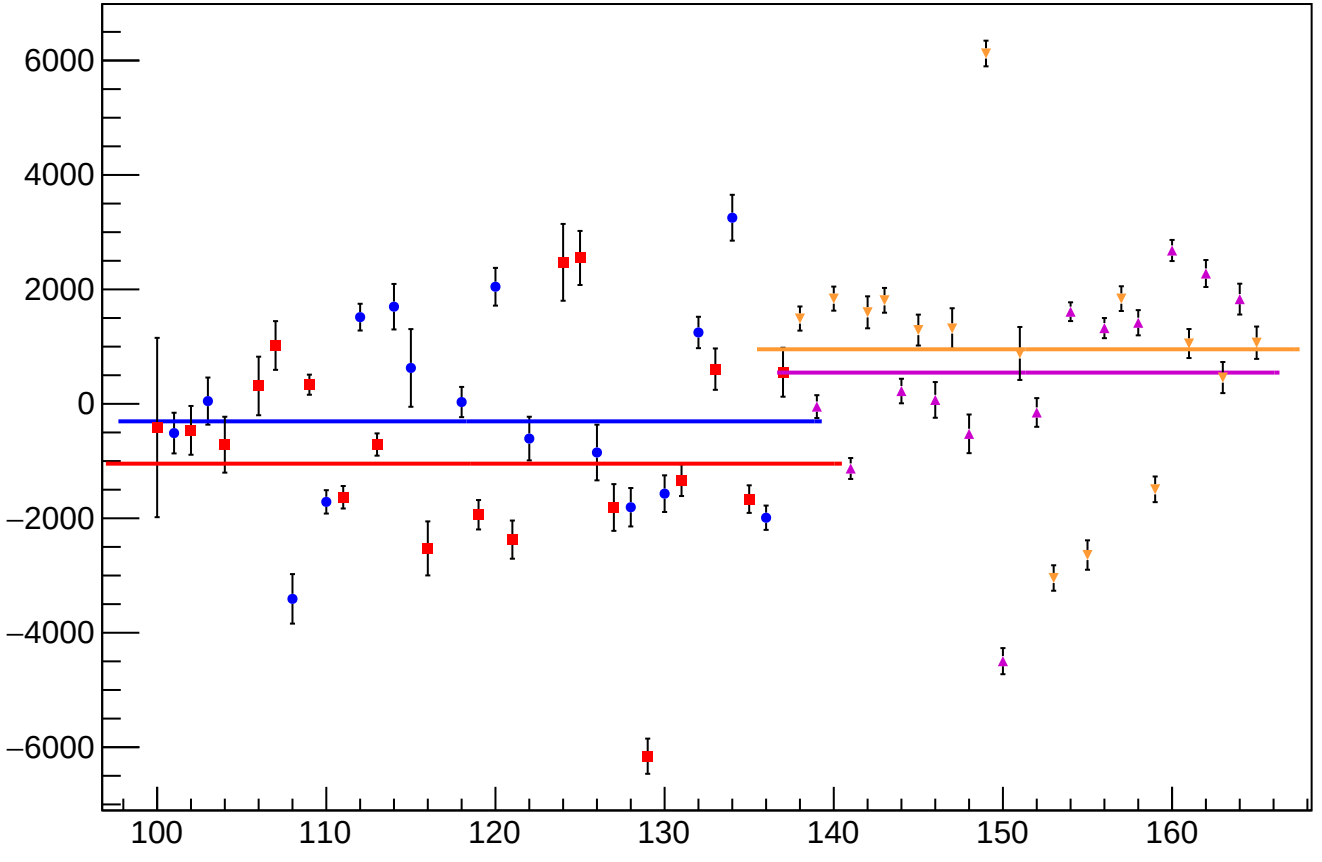
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 194.433+/-0.034 χ^2/NDF:1759965.5/28

Out: 199.926+/-0.034 χ^2/NDF:2469410.2/33

All: 197.173+/-0.024 χ^2/NDF: 4242576.4/62

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 953.467+/-64.053 χ^2/NDF:1236.5/14

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 546.106+/-59.546 χ^2/NDF:891.0/12

Left: 734.950+/-43.612 χ^2/NDF: 2149.2/27

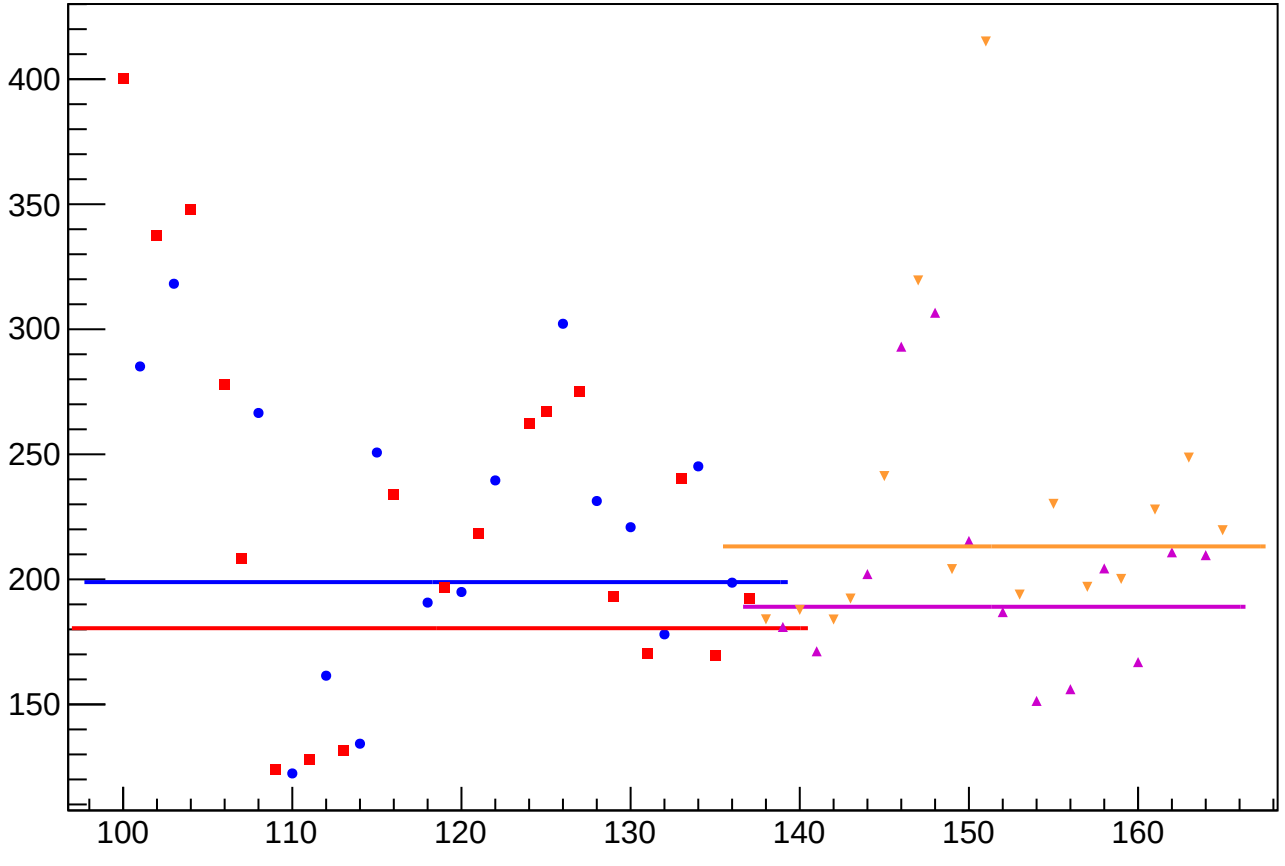
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 231.815+/-47.301 χ^2/NDF:1418.3/28

Out: 54.229+/-47.506 χ^2/NDF:2226.7/33

All: 143.407+/-33.519 χ^2/NDF: 3652.0/62

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.177+/-0.045 χ^2/NDF:777240.7/14

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 189.043+/-0.042 χ^2/NDF:763989.9/12

Left: 200.231+/-0.031 χ^2/NDF: 1693529.8/27

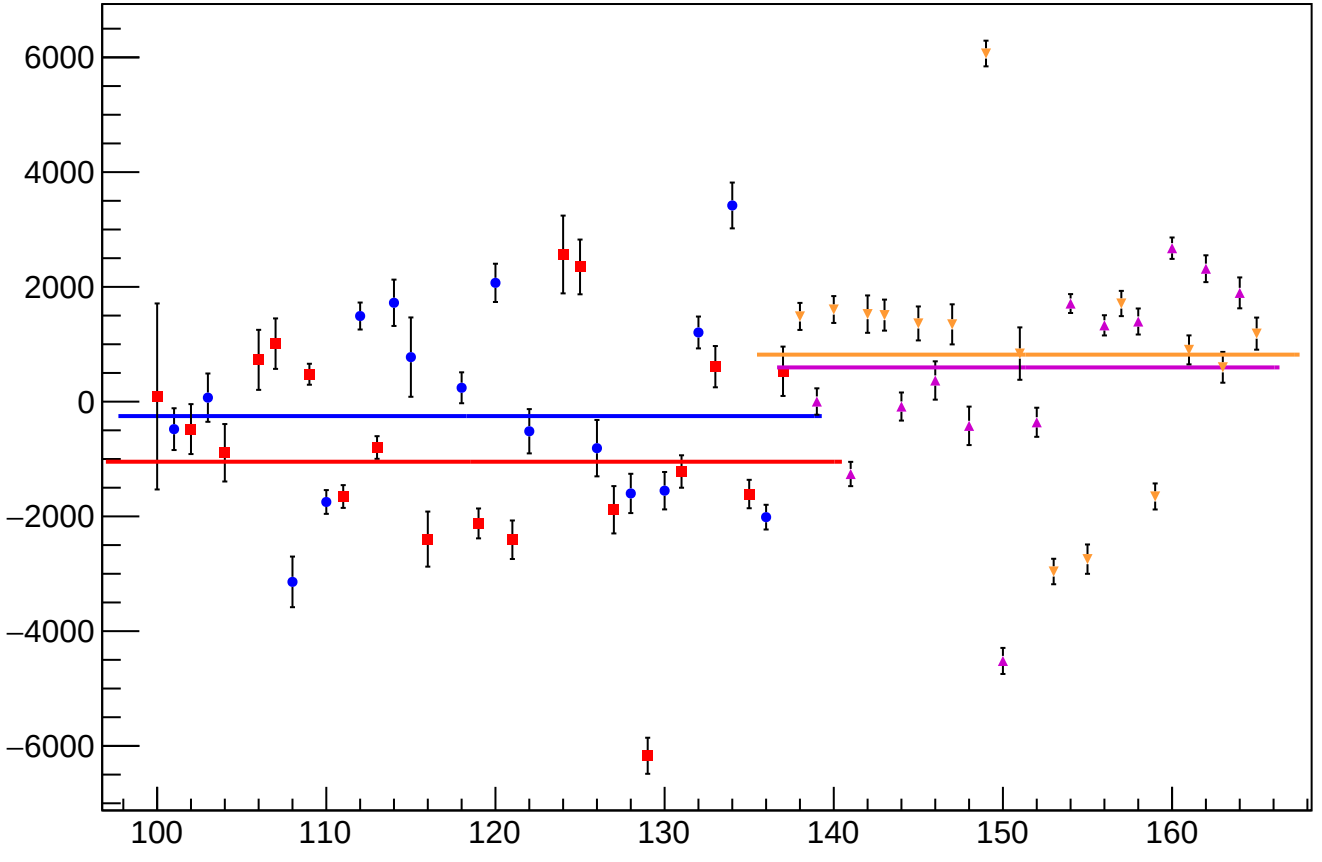
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 192.681+/-0.033 χ^2/NDF:1696986.5/28

Out: 198.462+/-0.034 χ^2/NDF:2446262.0/33

All: 195.559+/-0.024 χ^2/NDF: 4158120.9/62

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 819.280+/-67.156 χ^2/NDF:1207.0/14

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 596.477+/-62.013 χ^2/NDF:899.9/12

Left: 699.021+/-45.560 χ^2/NDF: 2112.8/27

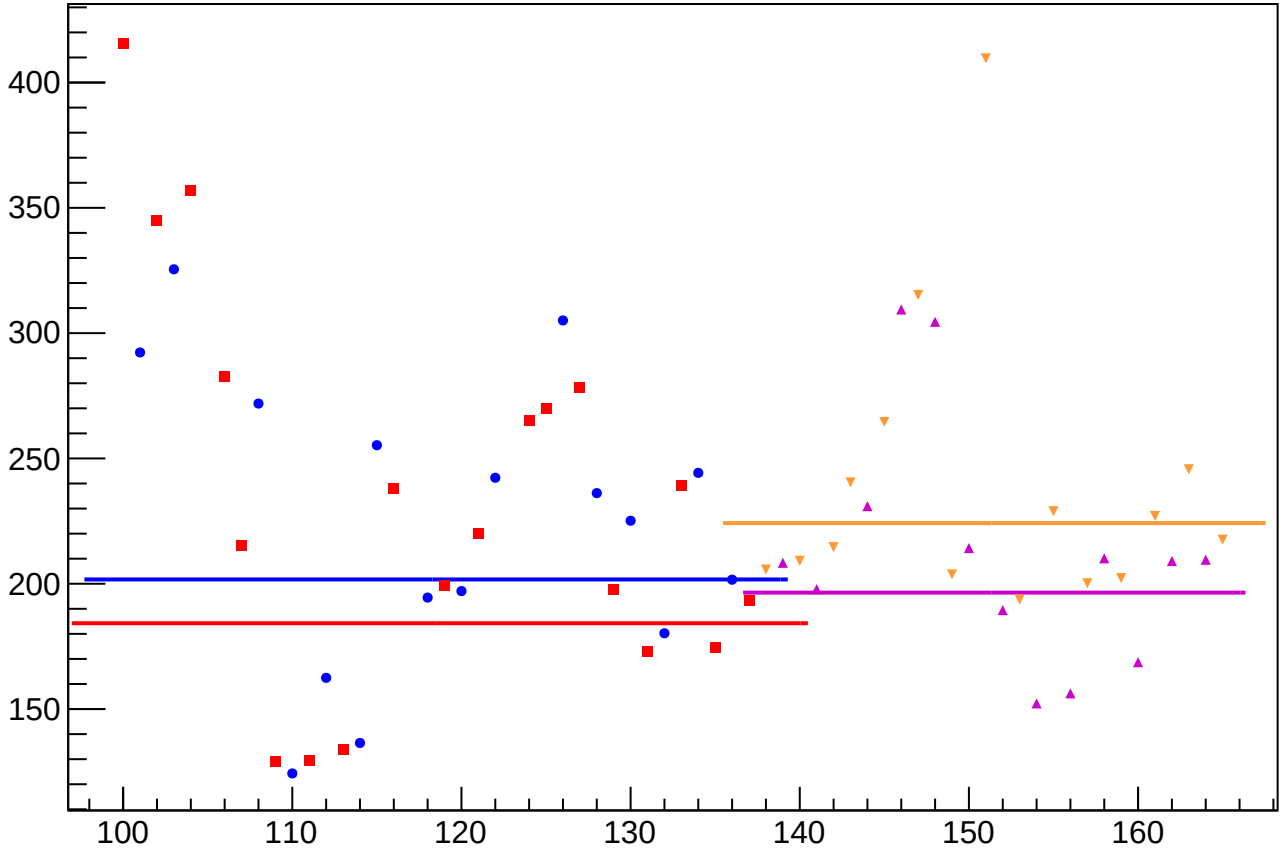
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 272.936+/-48.773 χ^2/NDF:1412.5/28

Out: -46.592+/-49.170 χ^2/NDF:2112.0/33

All: 114.466+/-34.627 χ^2/NDF: 3545.8/62

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.207+/-0.047 χ^2/NDF:644100.0/14

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 196.466+/-0.044 χ^2/NDF:805991.5/12

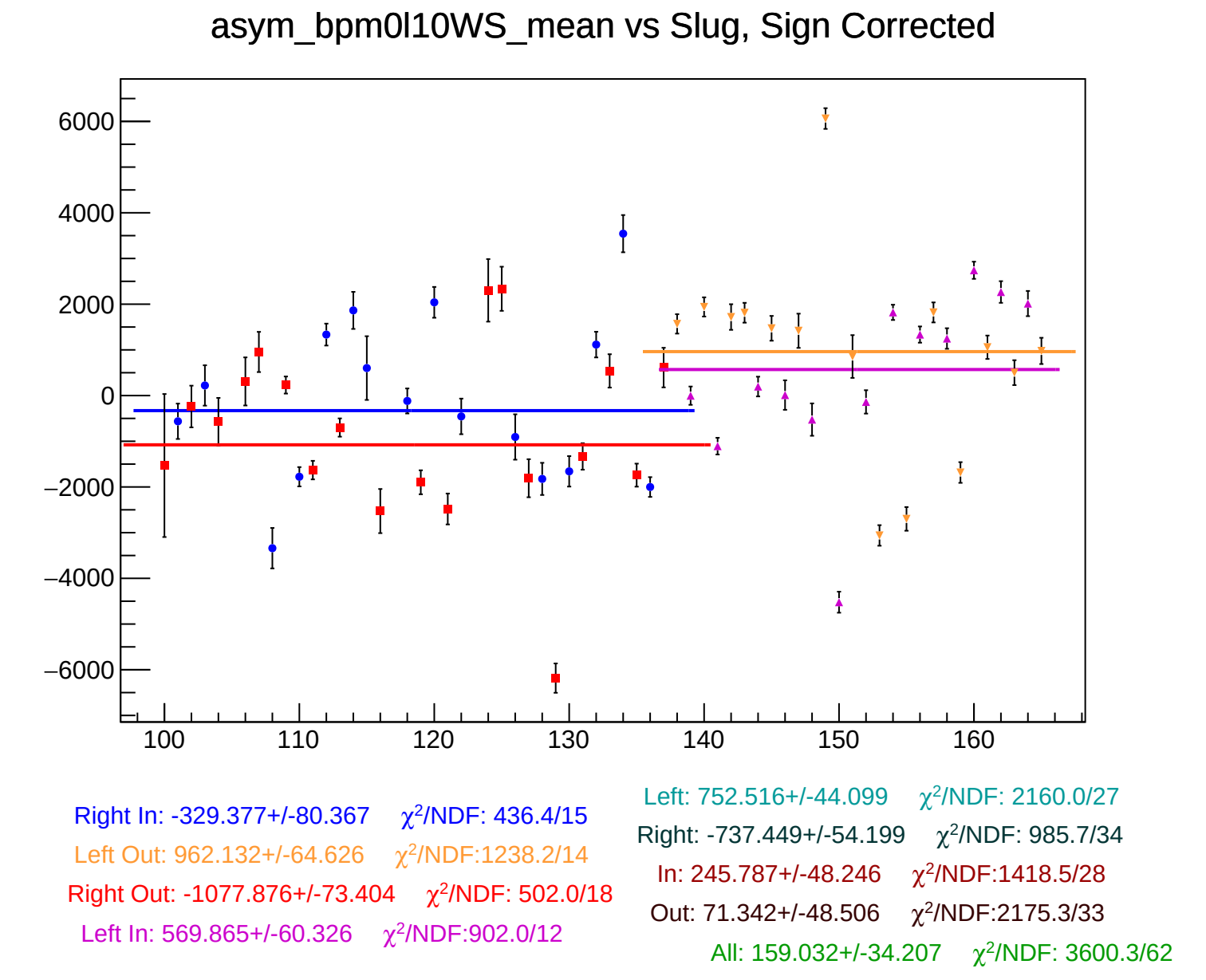
Left: 209.234+/-0.032 χ^2/NDF: 1634286.3/27

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

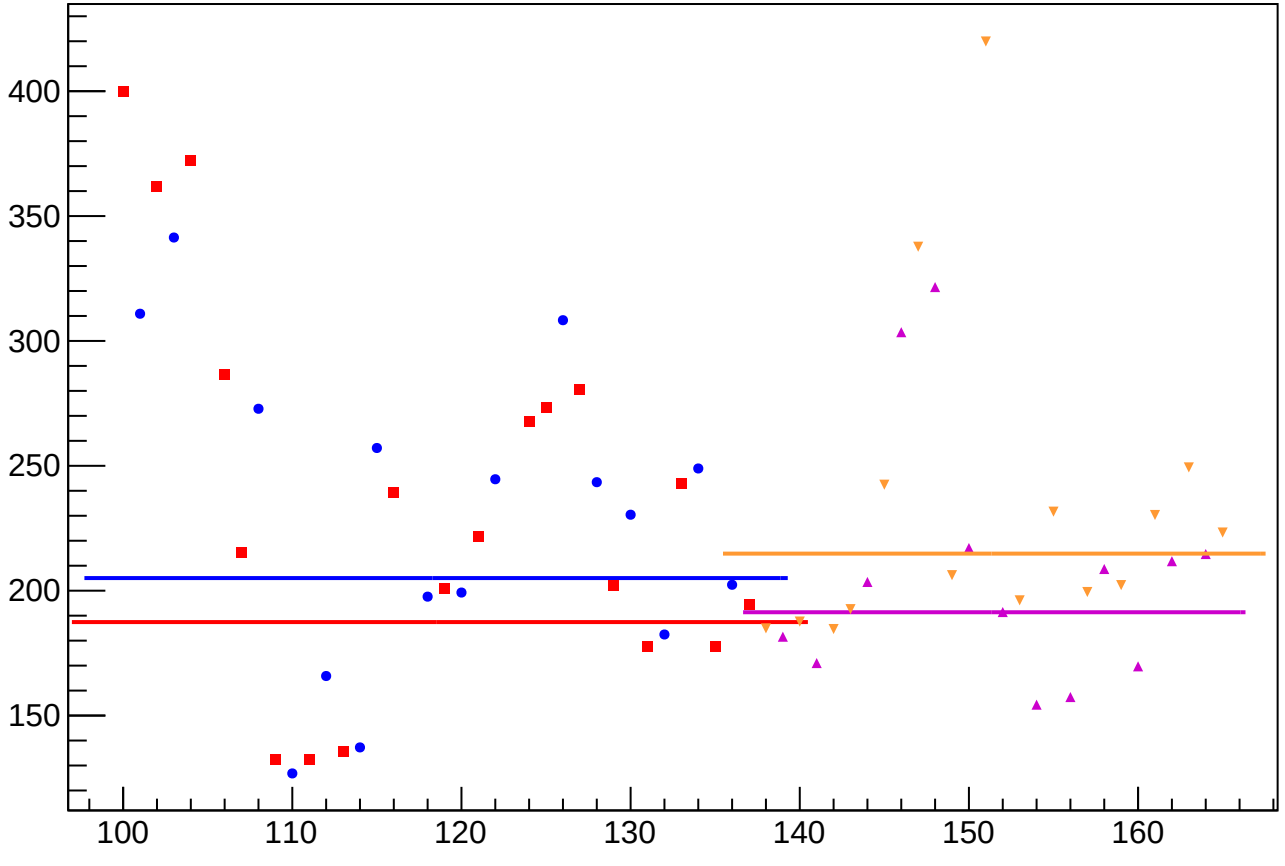
In: 198.468+/-0.034 χ^2/NDF:1735663.2/28

Out: 205.667+/-0.035 χ^2/NDF:2376421.1/33

All: 202.038+/-0.024 χ^2/NDF: 4133695.7/62


asym_bpm0l10WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -329.377+/-80.367 χ²/NDF: 436.4/15
Left Out: 962.132+/-64.626 χ²/NDF:1238.2/14
Right Out: -1077.876+/-73.404 χ²/NDF: 502.0/18
Left In: 569.865+/-60.326 χ²/NDF:902.0/12
Left: 752.516+/-44.099 χ²/NDF: 2160.0/27
Right: -737.449+/-54.199 χ²/NDF: 985.7/34
In: 245.787+/-48.246 χ²/NDF:1418.5/28
Out: 71.342+/-48.506 χ²/NDF:2175.3/33
All: 159.032+/-34.207 χ²/NDF: 3600.3/62

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 214.843+/-0.046 χ^2/NDF:819912.0/14

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 191.368+/-0.043 χ^2/NDF:811421.5/12

Left: 202.299+/-0.031 χ^2/NDF: 1772349.3/27

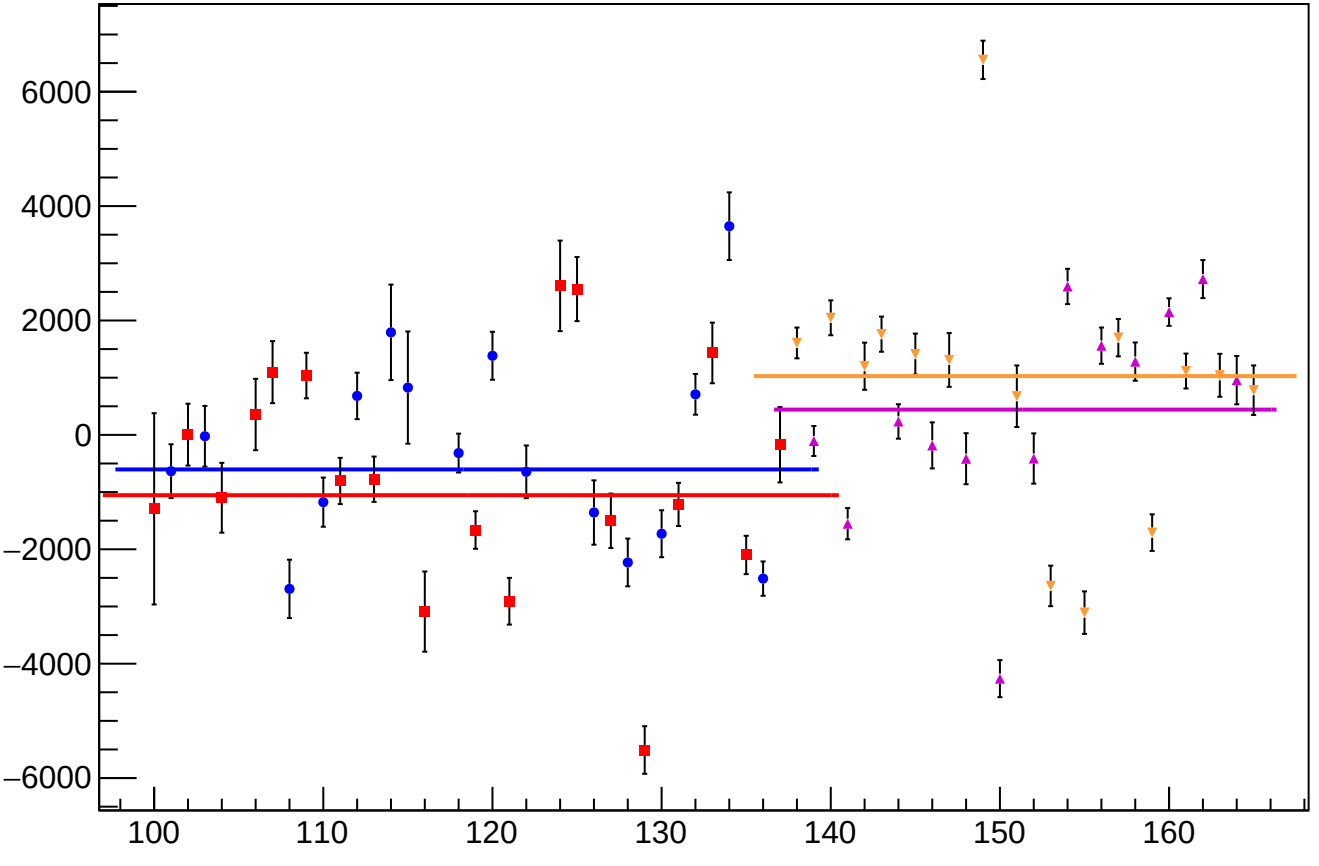
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 196.300+/-0.034 χ^2/NDF:1811562.5/28

Out: 202.874+/-0.034 χ^2/NDF:2387838.7/33

All: 199.569+/-0.024 χ^2/NDF: 4217865.2/62

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1028.303+/-90.093 χ^2/NDF:604.2/14

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 441.972+/-89.087 χ^2/NDF:443.9/12

Left: 731.846+/-63.347 χ^2/NDF: 1069.5/27

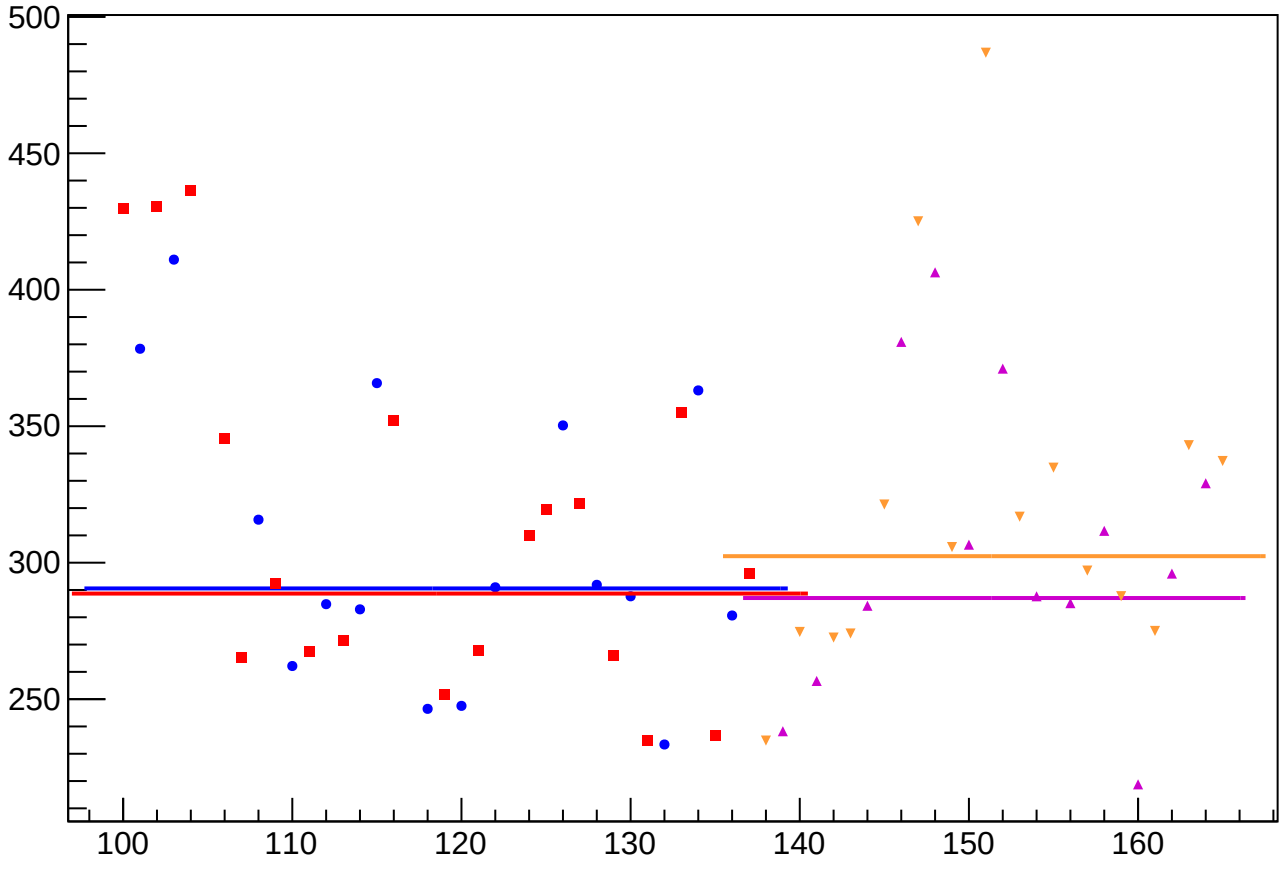
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 30.853+/-69.402 χ^2/NDF:691.6/28

Out: 176.086+/-69.251 χ^2/NDF:1120.6/33

All: 103.627+/-49.021 χ^2/NDF: 1814.4/62

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.386+/-0.064 χ^2/NDF:622704.5/14

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 287.055+/-0.063 χ^2/NDF:618884.5/12

Left: 294.635+/-0.045 χ^2/NDF: 1270873.1/27

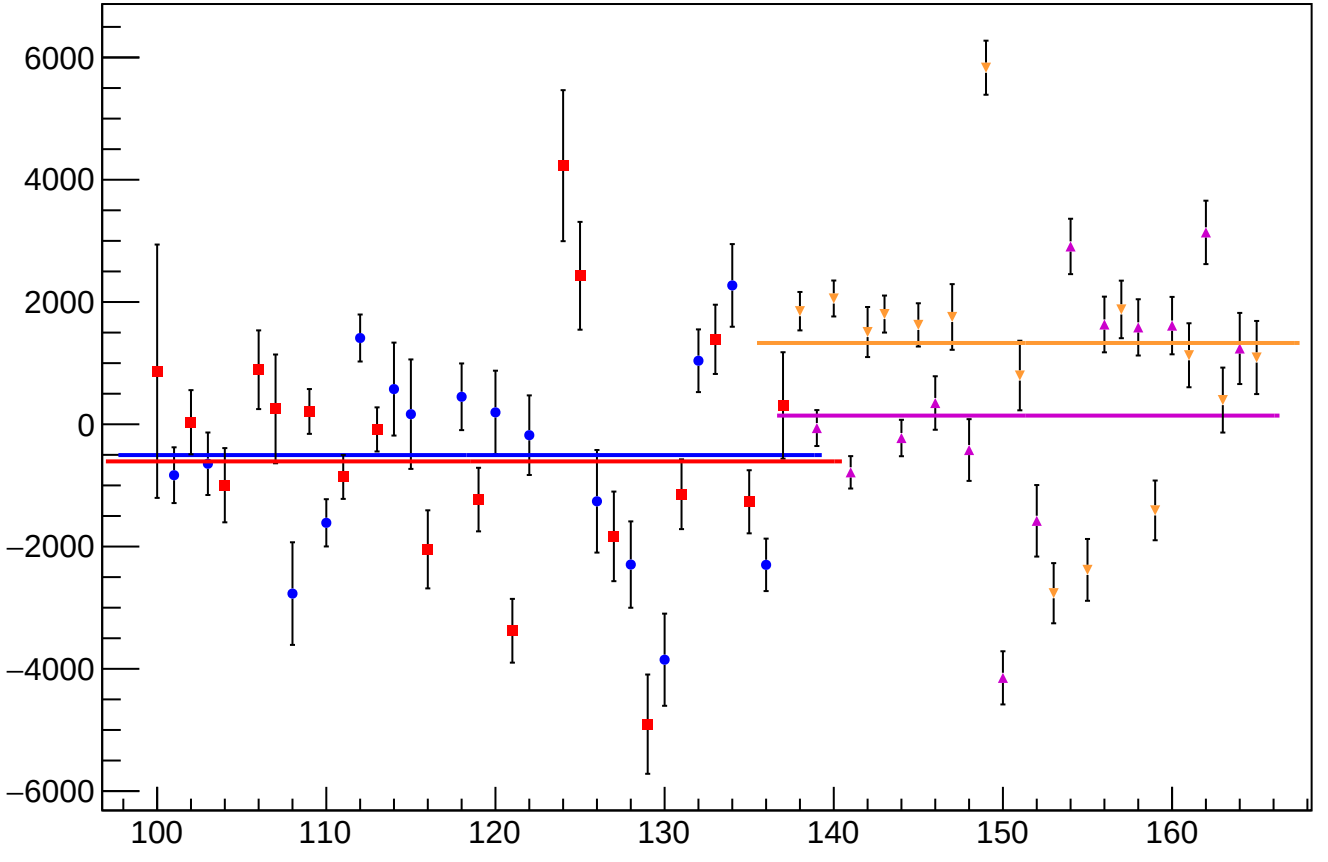
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 288.435+/-0.049 χ^2/NDF:979912.9/28

Out: 296.781+/-0.049 χ^2/NDF:1130723.1/33

All: 292.617+/-0.035 χ^2/NDF: 2125127.2/62

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1329.948+/-108.500 χ^2/NDF:276.5/14

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 142.059+/-111.754 χ^2/NDF:226.3/12

Left: 753.550+/-77.846 χ^2/NDF: 561.0/27

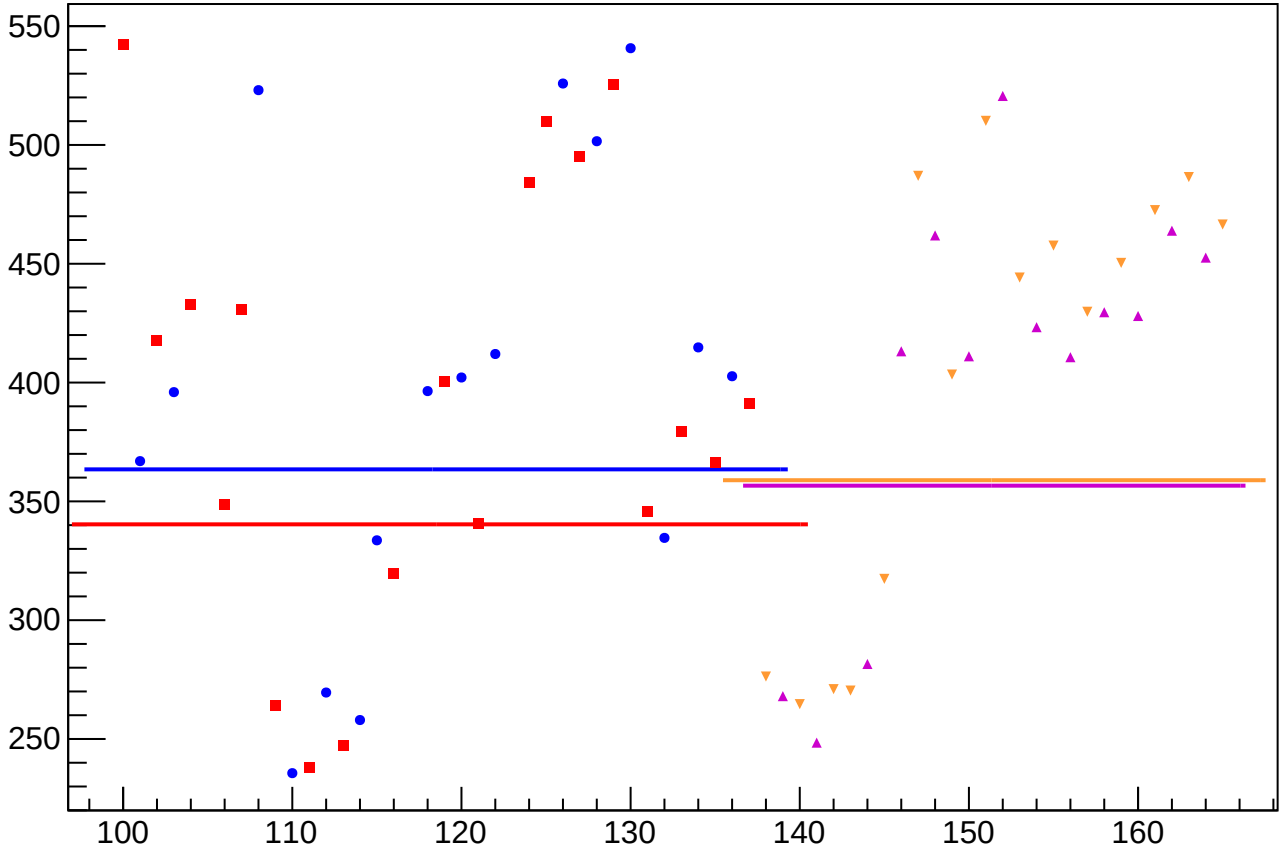
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -109.132+/-87.354 χ^2/NDF:357.5/28

Out: 531.898+/-83.196 χ^2/NDF:533.0/33

All: 227.001+/-60.245 χ^2/NDF: 918.7/62

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 358.903+/-0.077 χ^2/NDF:1435899.6/14

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 356.609+/-0.079 χ^2/NDF:1258876.4/12

Left: 357.790+/-0.055 χ^2/NDF: 2695210.2/27

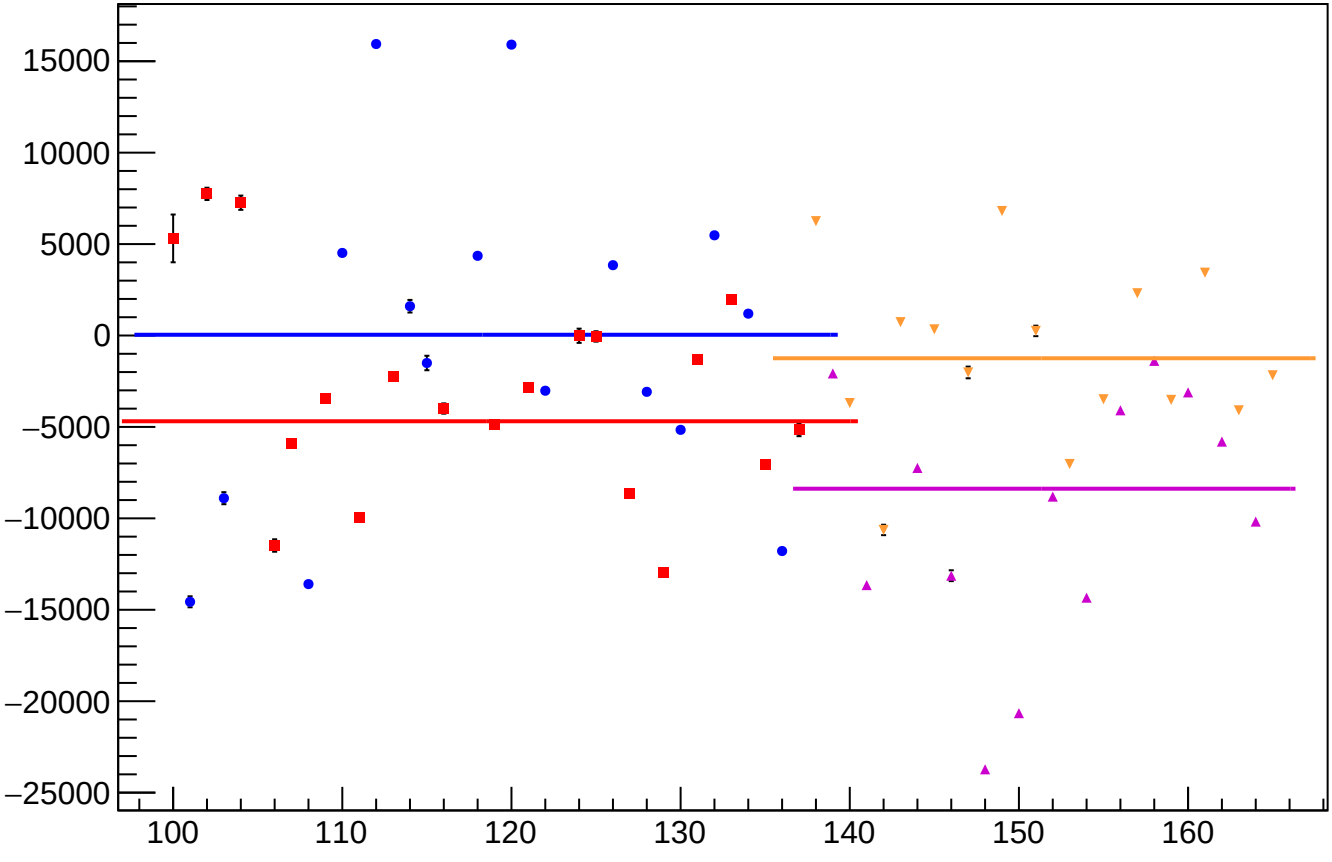
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 359.278+/-0.062 χ^2/NDF:2042703.3/28

Out: 351.251+/-0.059 χ^2/NDF:2316272.8/33

All: 355.069+/-0.043 χ^2/NDF: 4367831.1/62

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1244.360+/-50.455 χ^2/NDF:7689.2/14

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8378.659+/-53.222 χ^2/NDF:14443.2/12

Left: -4621.231+/-36.616 χ^2/NDF: 31595.9/27

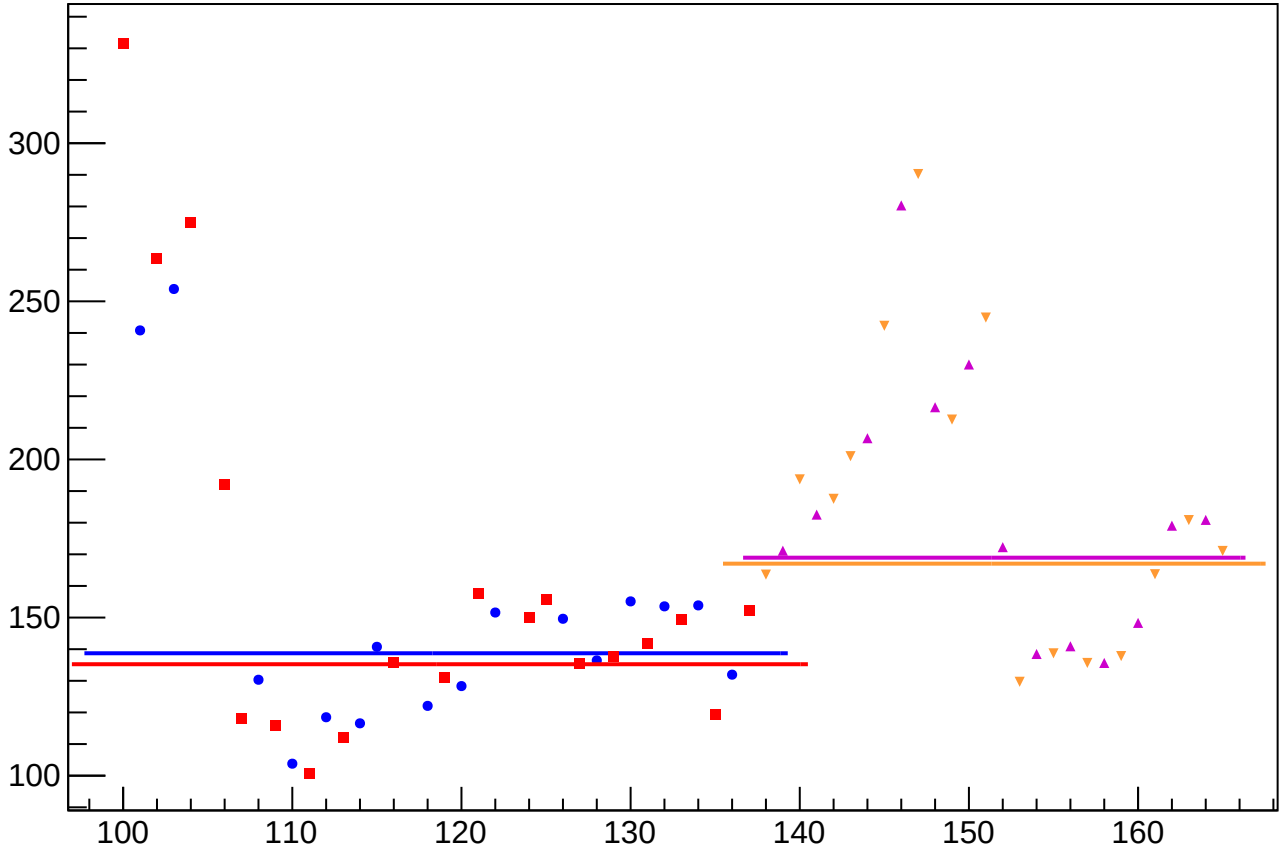
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4245.381+/-37.974 χ^2/NDF:57515.1/28

Out: -2911.959+/-36.243 χ^2/NDF:17741.8/33

All: -3547.582+/-26.218 χ^2/NDF: 75902.1/62

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.045+/-0.036 χ^2/NDF:1137674.7/14

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

Left: 167.939+/-0.026 χ^2/NDF: 1984762.7/27

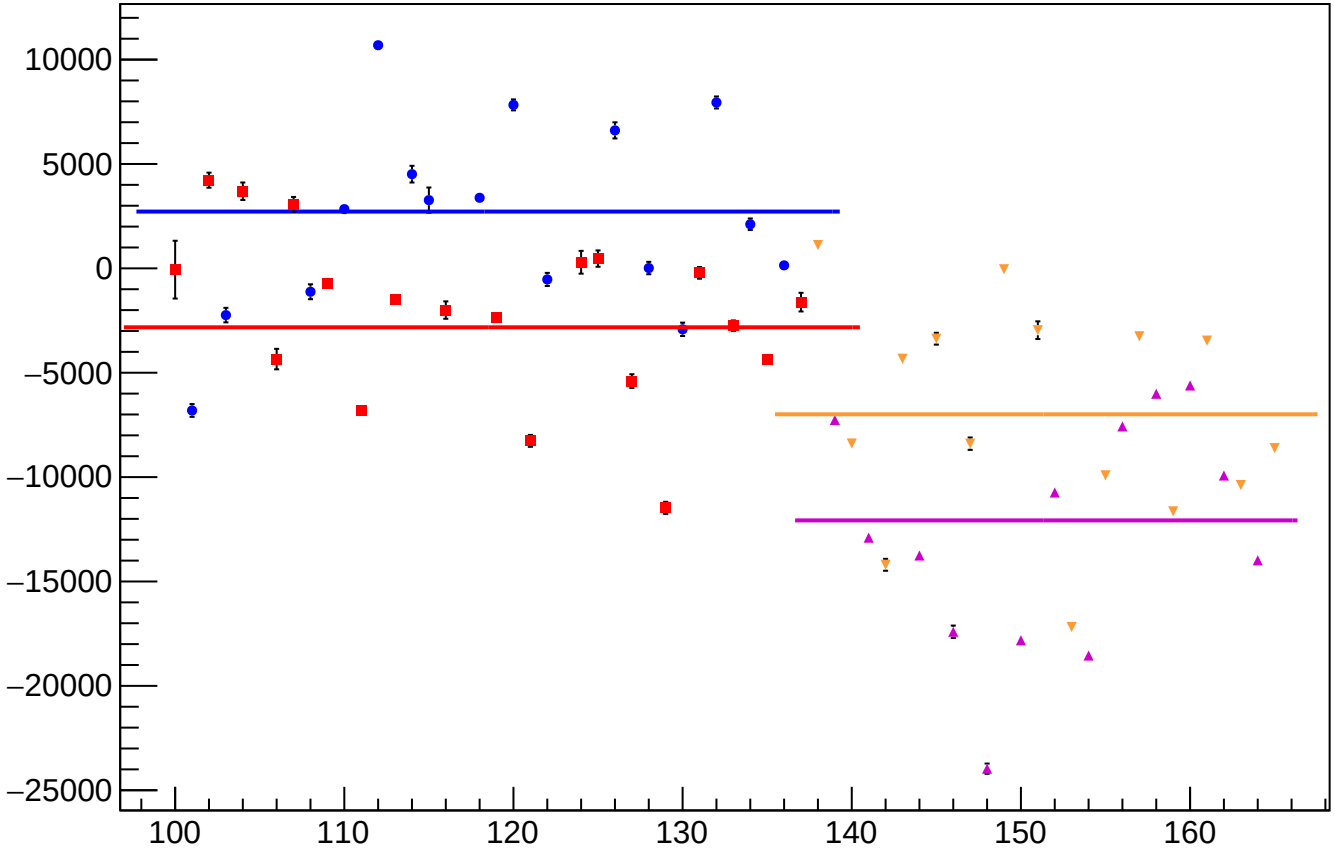
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.097+/-0.027 χ^2/NDF:1820119.5/28

Out: 151.654+/-0.026 χ^2/NDF:2412231.0/33

All: 152.818+/-0.019 χ^2/NDF: 4236684.1/62

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6990.230+/-59.569 χ^2/NDF:7910.6/14

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12073.705+/-55.284 χ^2/NDF:9199.7/12

Left: -9721.345+/-40.522 χ^2/NDF: 21022.9/27

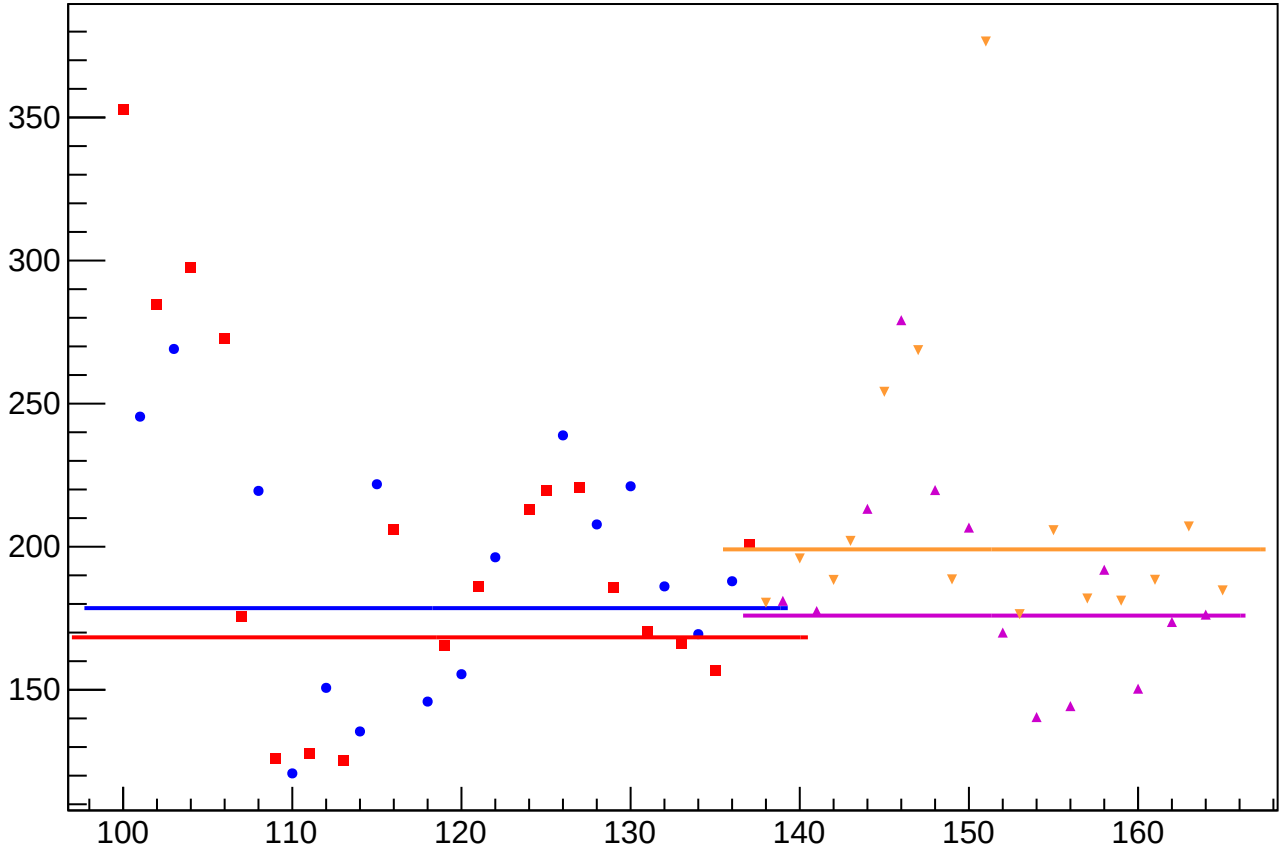
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6315.016+/-43.204 χ^2/NDF:41202.8/28

Out: -5083.500+/-43.870 χ^2/NDF:13212.3/33

All: -5708.674+/-30.783 χ^2/NDF: 54815.1/62

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.072+/-0.042 χ^2/NDF:633068.0/14

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

Left: 186.641+/-0.029 χ^2/NDF: 1442898.1/27

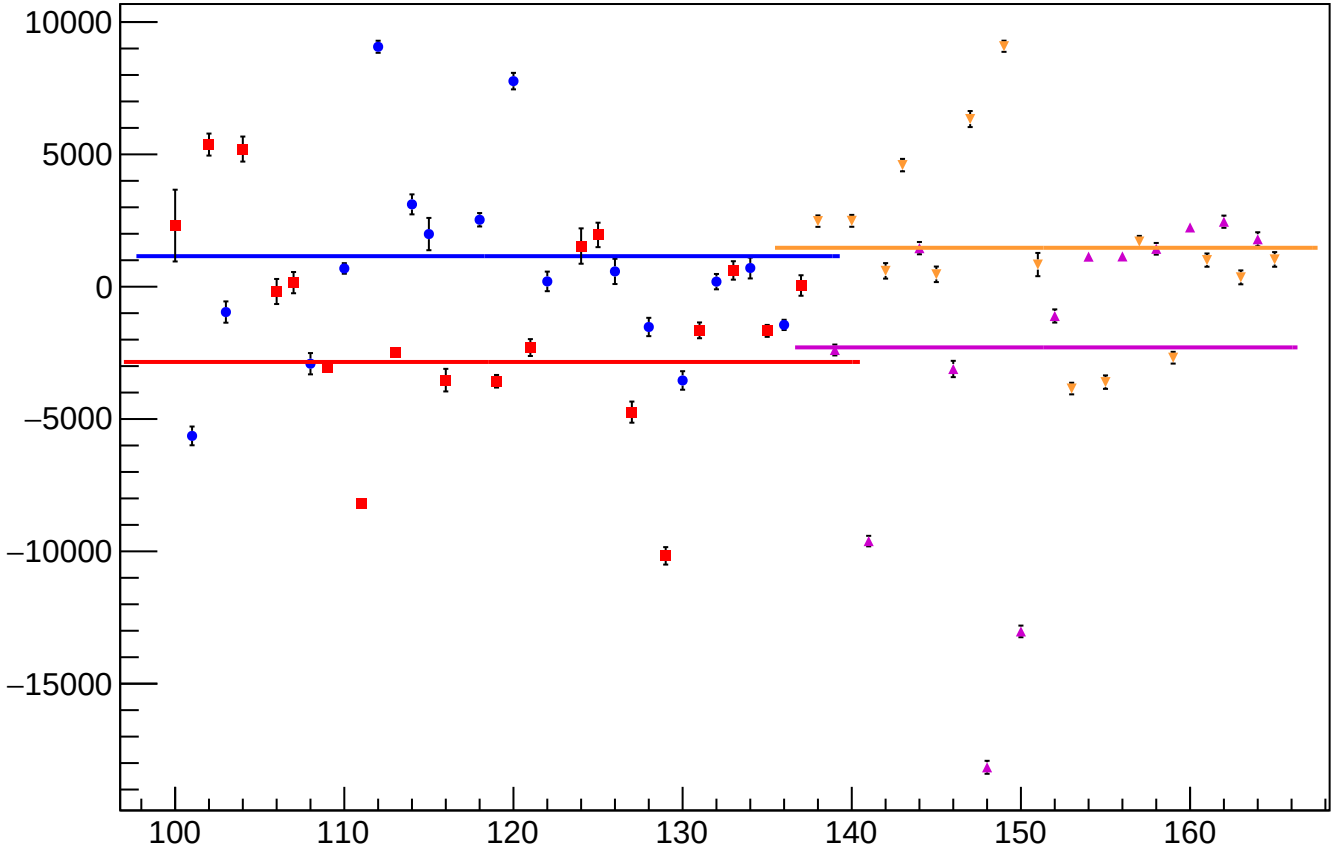
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 176.949+/-0.031 χ^2/NDF:1324009.4/28

Out: 185.006+/-0.031 χ^2/NDF:1856249.3/33

All: 180.916+/-0.022 χ^2/NDF: 3214504.1/62

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1470.143+/-64.219 χ^2/NDF:3159.3/14

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2293.328+/-59.458 χ^2/NDF:10555.0/12

Left: -556.273+/-43.629 χ^2/NDF: 15563.5/27

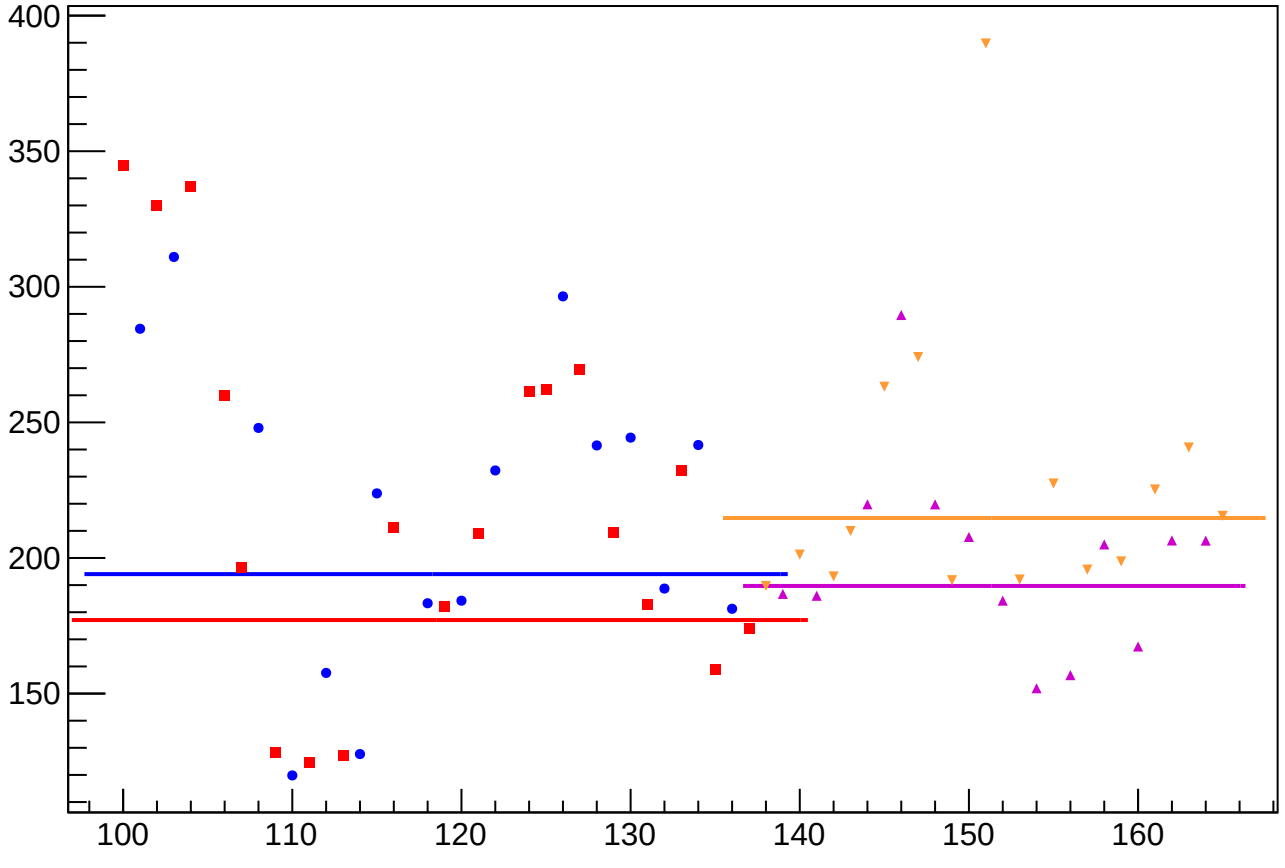
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -983.616+/-46.819 χ^2/NDF:14487.4/28

Out: -527.942+/-47.053 χ^2/NDF:7702.5/33

All: -756.914+/-33.189 χ^2/NDF: 22237.0/62

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.740+/-0.045 χ^2/NDF:592616.1/14

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

Left: 201.250+/-0.031 χ^2/NDF: 1277447.8/27

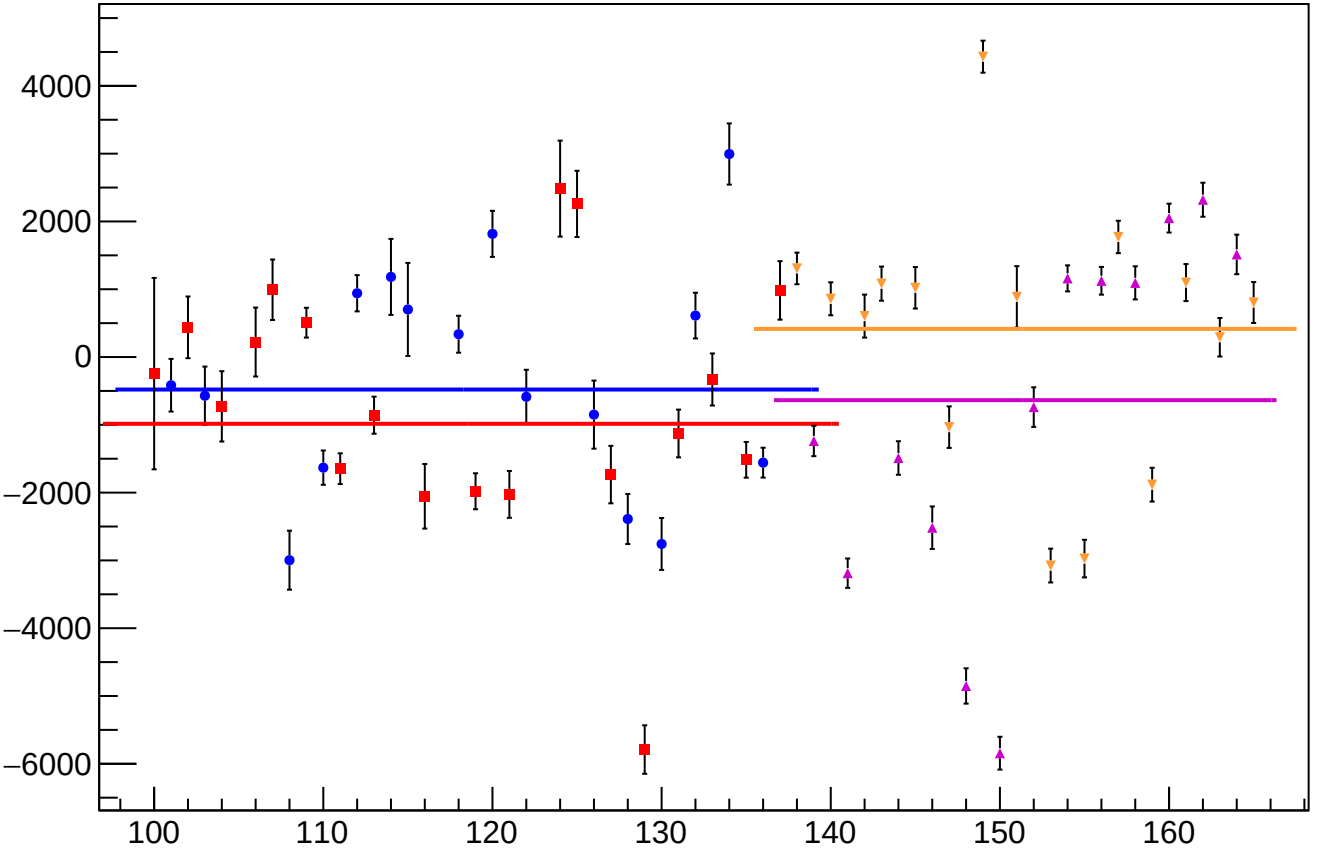
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.346+/-0.033 χ^2/NDF:1490823.1/28

Out: 197.314+/-0.033 χ^2/NDF:2269928.0/33

All: 194.315+/-0.023 χ^2/NDF: 3776917.6/62

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 415.651+/-69.912 χ^2/NDF:812.7/14

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -635.935+/-66.118 χ^2/NDF:1481.9/12

Left: -139.450+/-48.038 χ^2/NDF: 2414.0/27

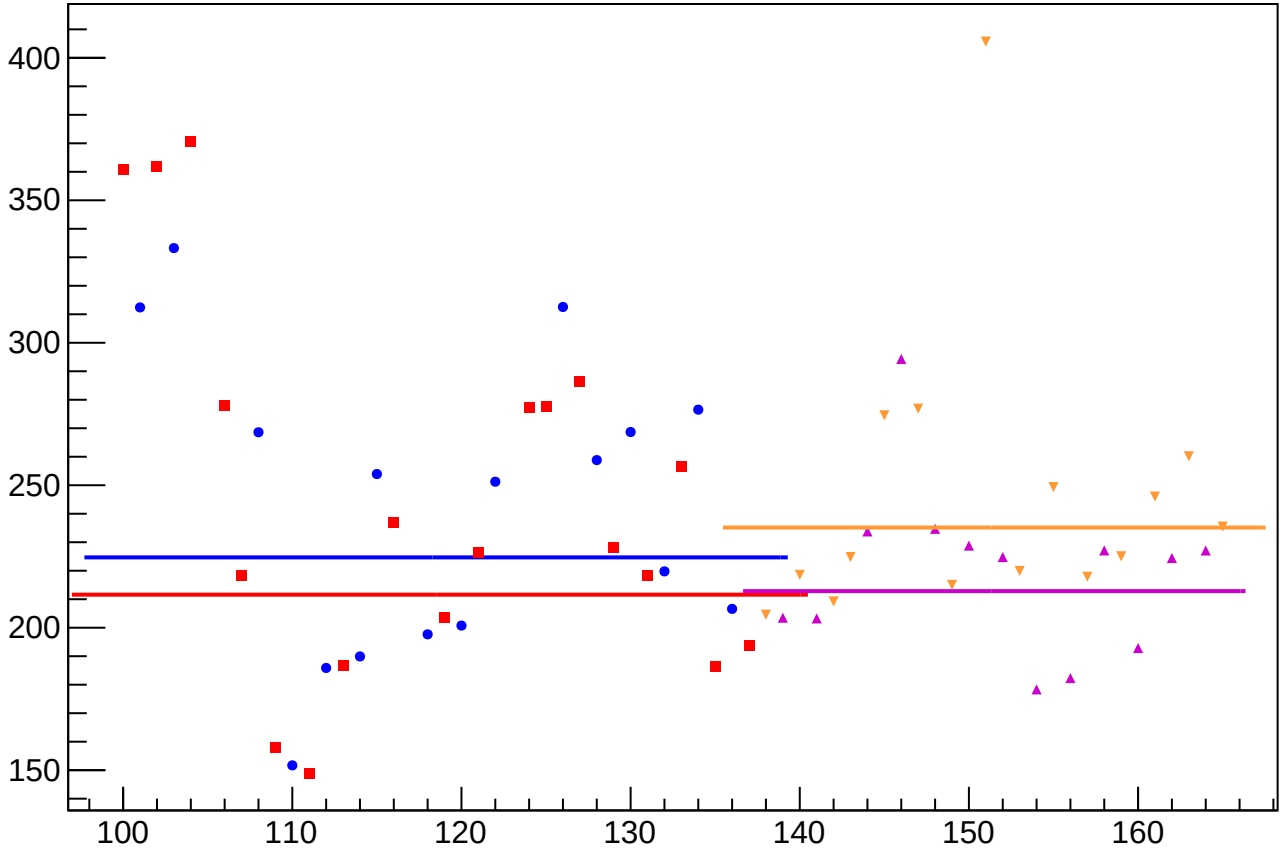
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -578.326+/-52.571 χ^2/NDF:1789.4/28

Out: -182.563+/-52.909 χ^2/NDF:1382.2/33

All: -381.714+/-37.292 χ^2/NDF: 3199.8/62

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.154+/-0.049 χ^2/NDF:472816.7/14

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

Left: 223.379+/-0.034 χ^2/NDF: 905497.3/27

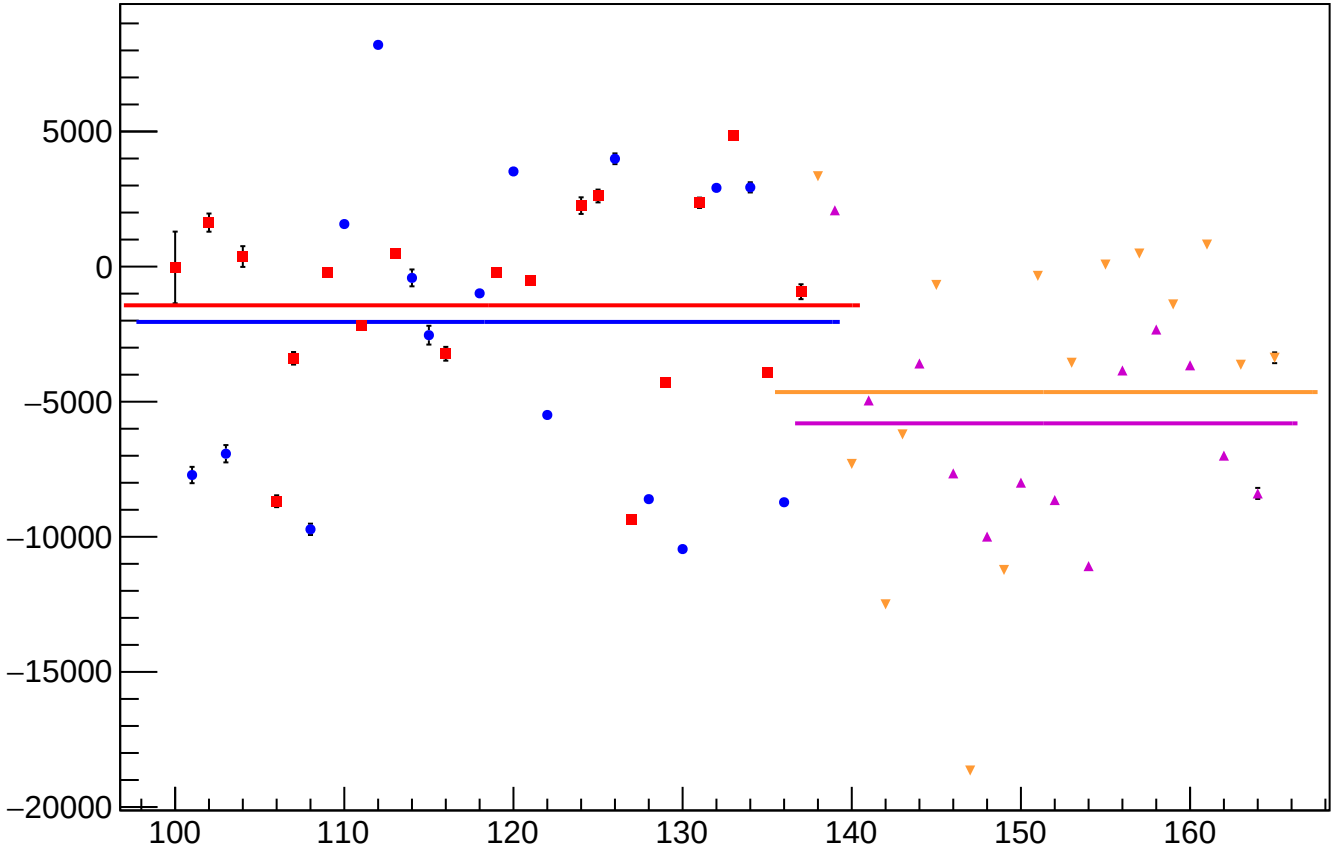
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 217.200+/-0.037 χ^2/NDF:1001953.1/28

Out: 225.089+/-0.037 χ^2/NDF:1502757.9/33

All: 221.119+/-0.026 χ^2/NDF: 2527086.3/62

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4643.867+/-35.414 χ^2/NDF:29736.6/14

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5801.144+/-36.961 χ^2/NDF:9436.1/12

Left: -5197.785+/-25.571 χ^2/NDF: 39683.8/27

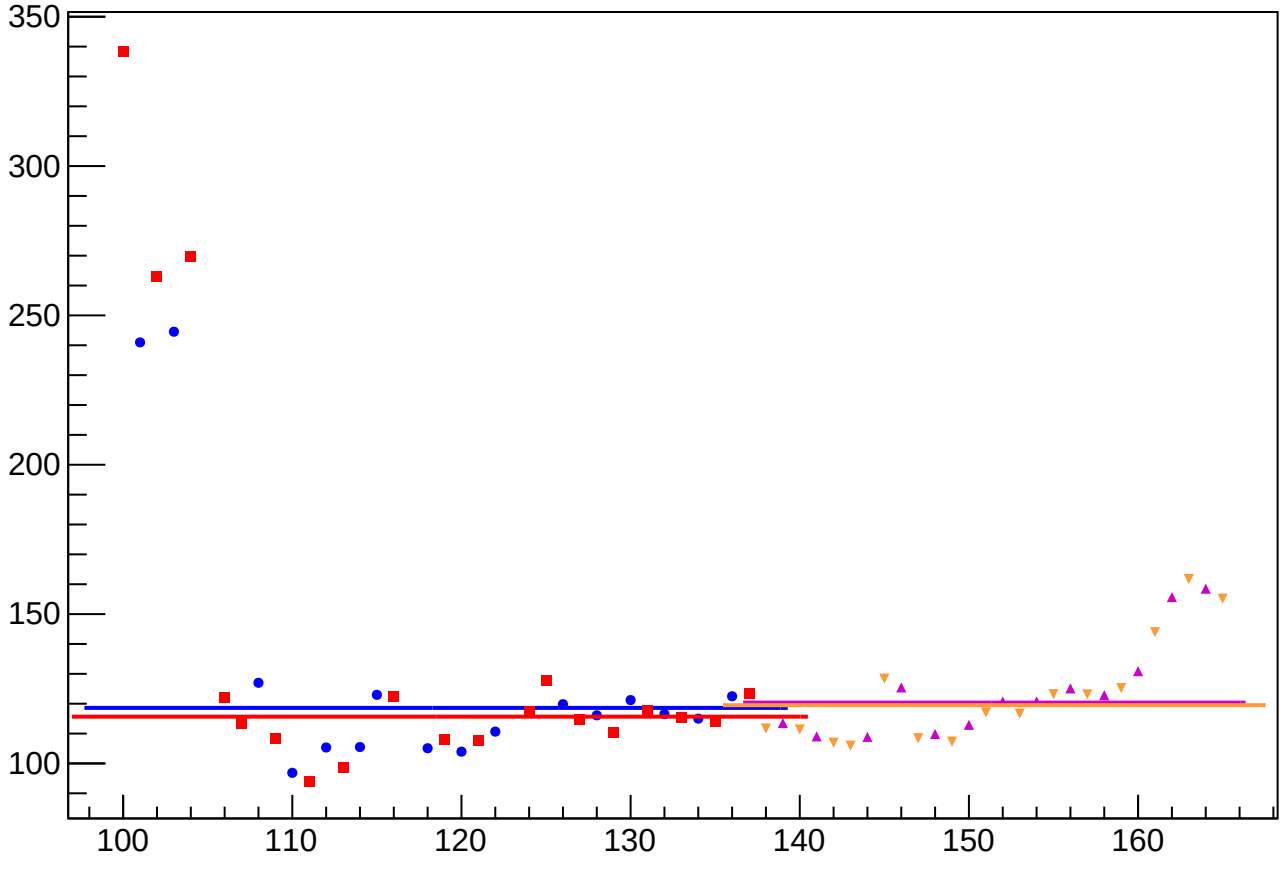
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4356.185+/-28.987 χ^2/NDF:30115.8/28

Out: -3406.611+/-27.765 χ^2/NDF:39292.0/33

All: -3860.960+/-20.051 χ^2/NDF: 69967.4/62

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 119.502+/-0.025 χ^2/NDF:331883.8/14

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

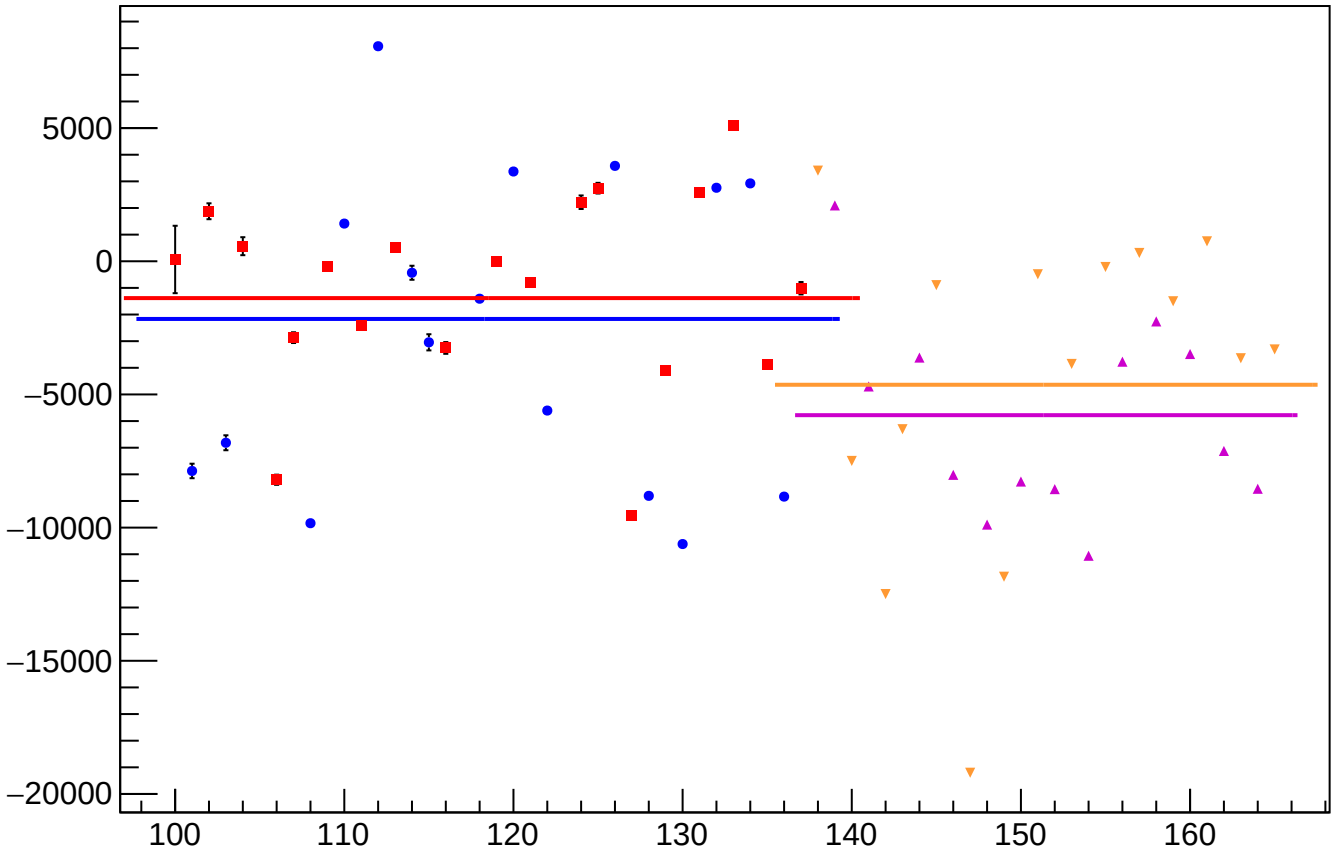
Left: 119.919+/-0.018 χ^2/NDF: 567436.9/27

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 119.689+/-0.020 χ^2/NDF:970912.6/28

Out: 118.022+/-0.020 χ^2/NDF:1205163.3/33

All: 118.819+/-0.014 χ^2/NDF: 2179525.7/62



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4636.640+/-31.890 χ^2/NDF:36174.3/14

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5778.460+/-33.645 χ^2/NDF:11688.9/12

Left: -5176.992+/-23.145 χ^2/NDF: 48469.9/27

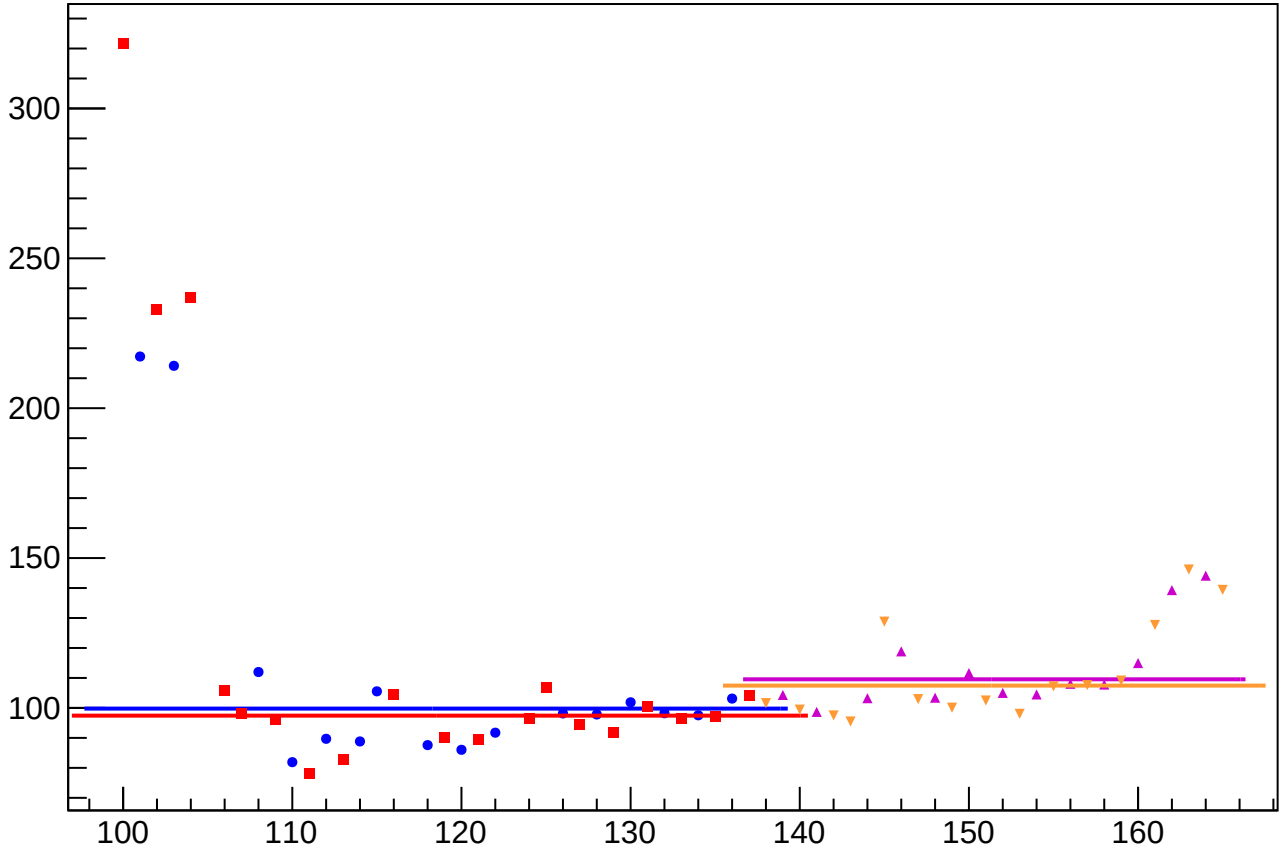
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4265.380+/-25.649 χ^2/NDF:39392.6/28

Out: -3291.155+/-24.421 χ^2/NDF:49627.5/33

All: -3754.397+/-17.686 χ^2/NDF: 89776.8/62

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 107.448+/-0.023 χ^2/NDF:344749.3/14

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 109.549+/-0.024 χ^2/NDF:202328.8/12

Left: 108.442+/-0.016 χ^2/NDF: 551187.8/27

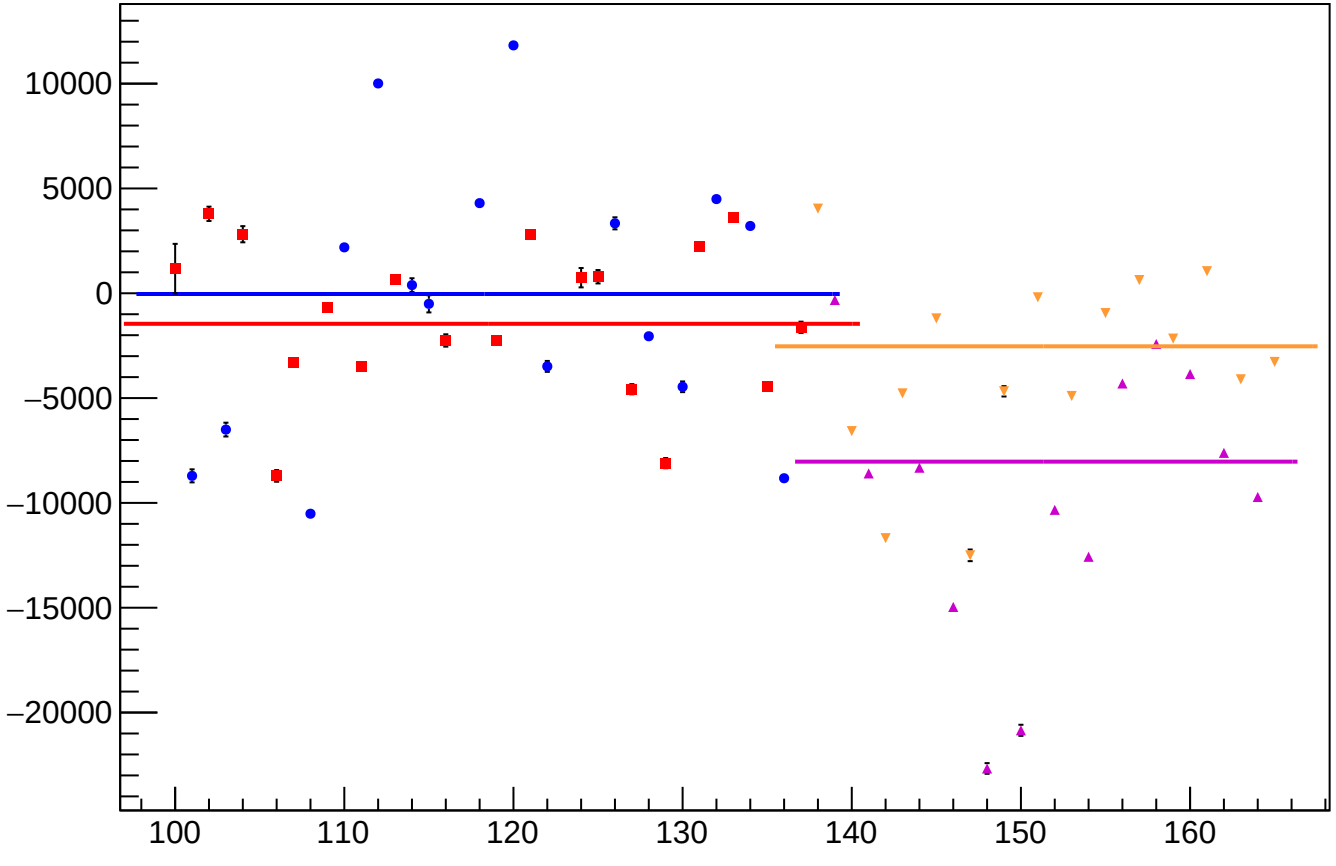
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 105.455+/-0.018 χ^2/NDF:1082184.7/28

Out: 103.304+/-0.017 χ^2/NDF:1352457.6/33

All: 104.327+/-0.013 χ^2/NDF: 2442021.7/62

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2530.427+/-45.685 χ^2/NDF:6994.4/14

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -8032.276+/-48.886 χ^2/NDF:12904.7/12

Left: -5095.313+/-33.379 χ^2/NDF: 26660.4/27

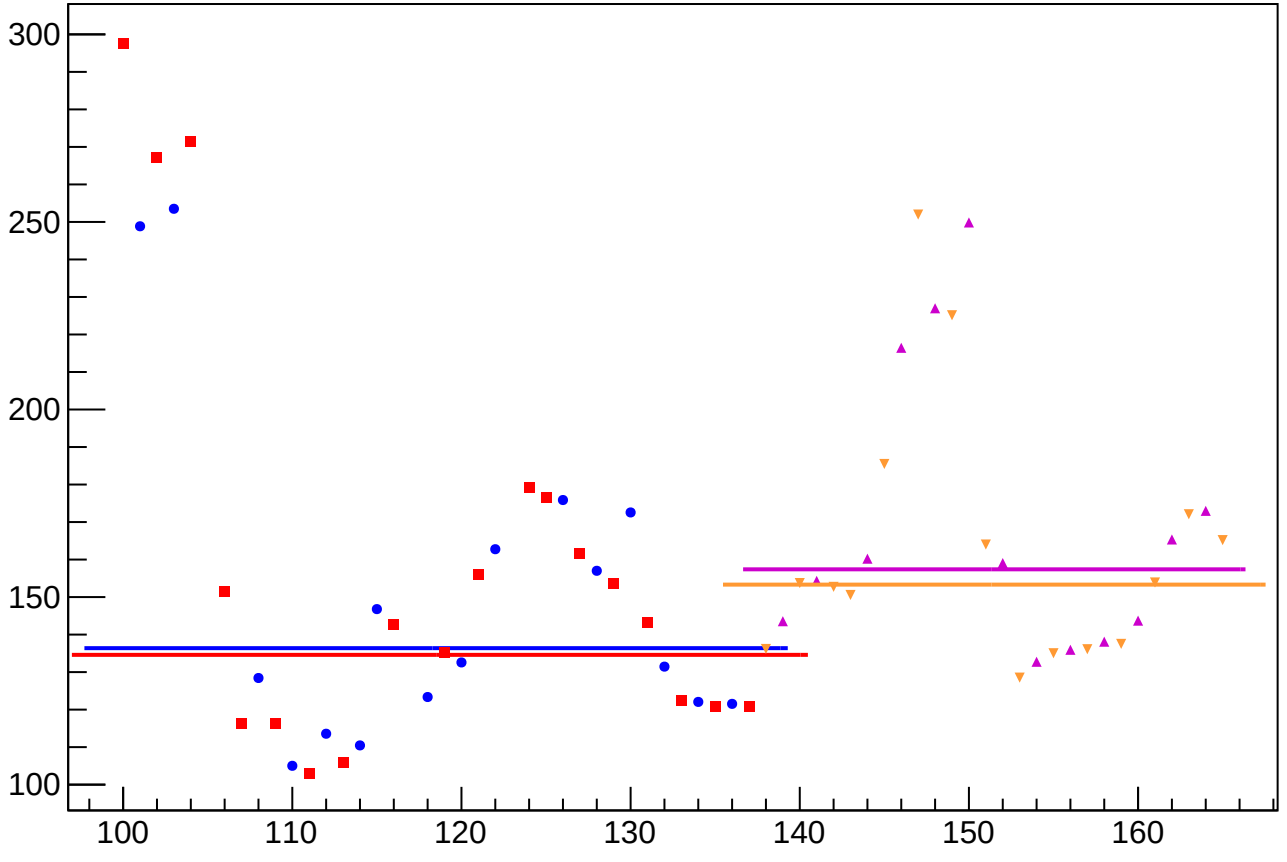
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4390.549+/-36.078 χ^2/NDF:41894.3/28

Out: -2062.123+/-34.305 χ^2/NDF:11352.3/33

All: -3167.718+/-24.861 χ^2/NDF: 55434.1/62

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 153.322+/-0.032 χ^2/NDF:666268.0/14

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 157.397+/-0.035 χ^2/NDF:706032.7/12

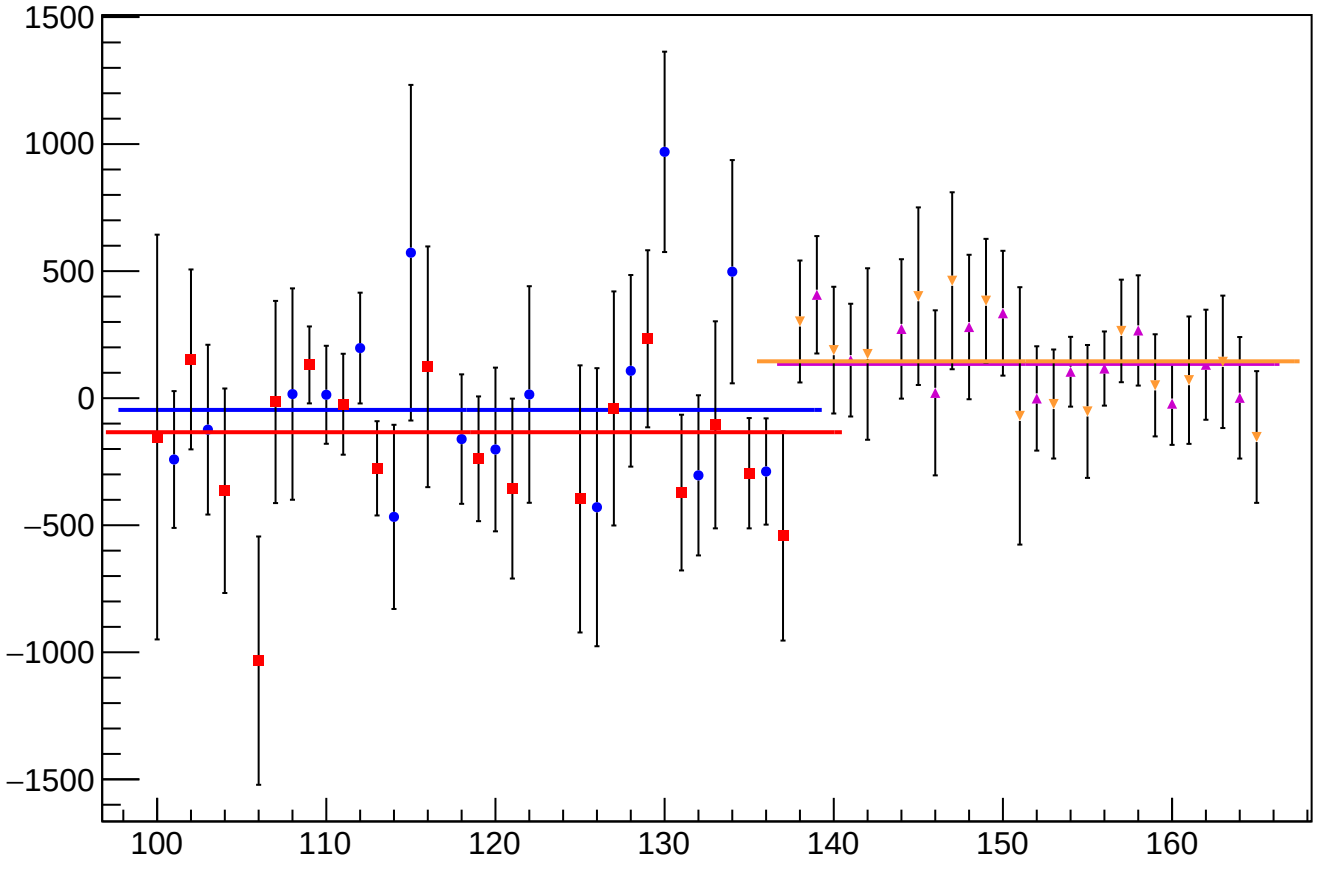
Left: 155.221+/-0.024 χ^2/NDF: 1379719.3/27

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 147.828+/-0.026 χ^2/NDF:1671154.7/28

Out: 145.156+/-0.024 χ^2/NDF:1732384.1/33

All: 146.425+/-0.018 χ^2/NDF: 3409302.0/62



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 145.097+/-68.906 χ^2/NDF:6.1/13

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 134.889+/-56.573 χ^2/NDF:4.8/12

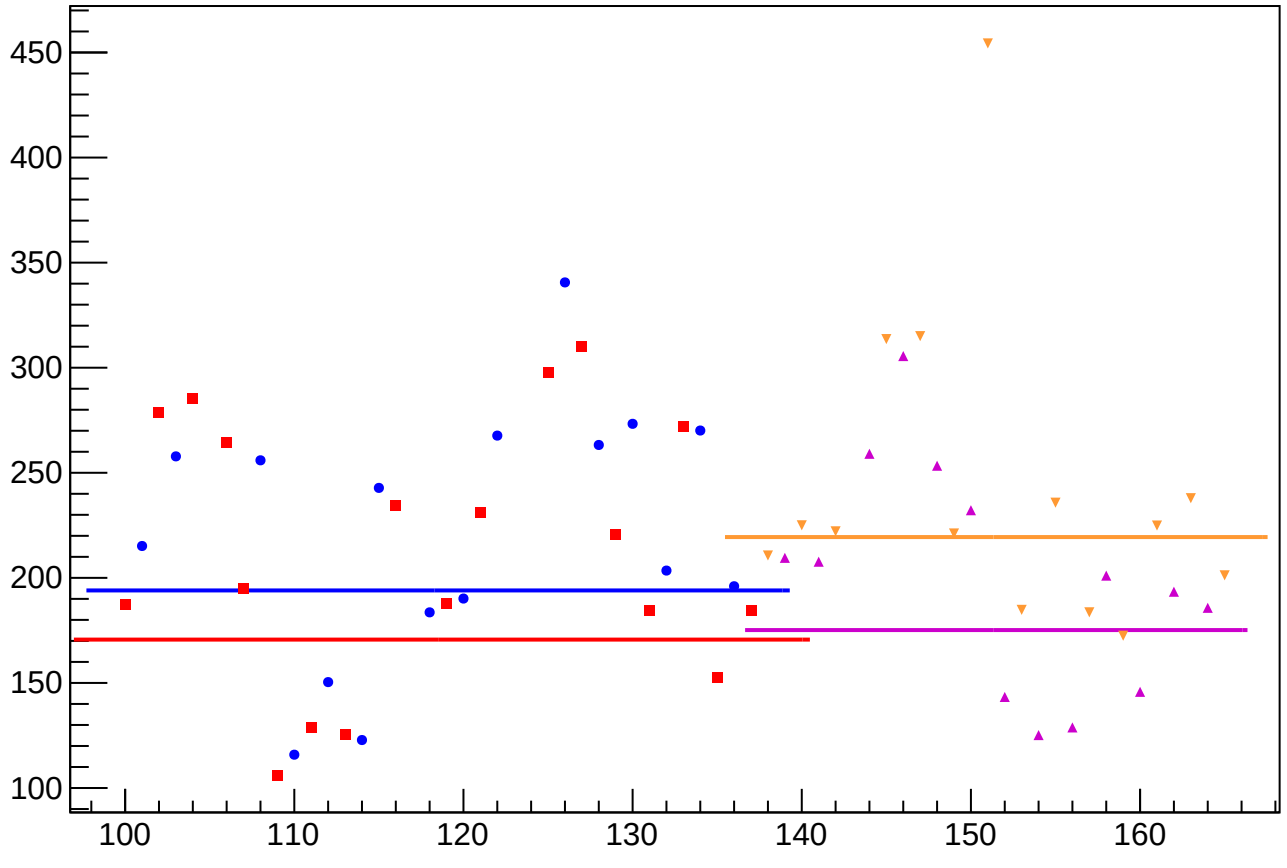
Left: 139.000+/-43.724 χ^2/NDF: 10.9/26

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 70.632+/-45.440 χ^2/NDF:23.9/28

Out: 4.592+/-48.549 χ^2/NDF:27.2/31

All: 39.794+/-33.176 χ^2/NDF: 52.1/60



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 219.410+/-0.049 χ^2/NDF:983113.1/13

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 175.156+/-0.040 χ^2/NDF:1482254.2/12

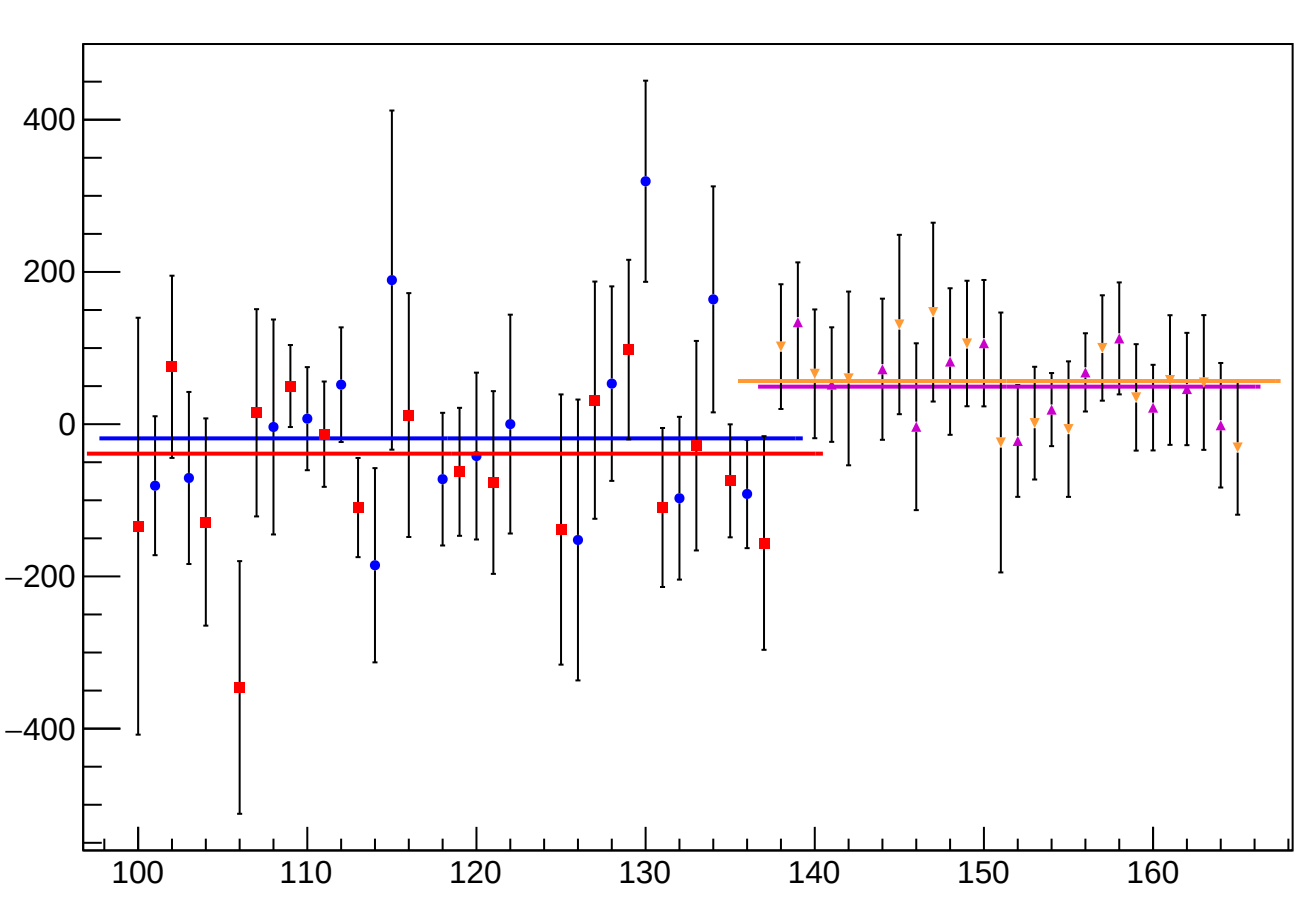
Left: 192.975+/-0.031 χ^2/NDF: 2958142.5/26

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 181.849+/-0.032 χ^2/NDF:2604719.7/28

Out: 194.842+/-0.034 χ^2/NDF:3081736.7/31

All: 187.916+/-0.023 χ^2/NDF: 5762816.7/60



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 56.707+/-23.526 χ^2/NDF:4.4/13

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 49.307+/-19.528 χ^2/NDF:4.9/12

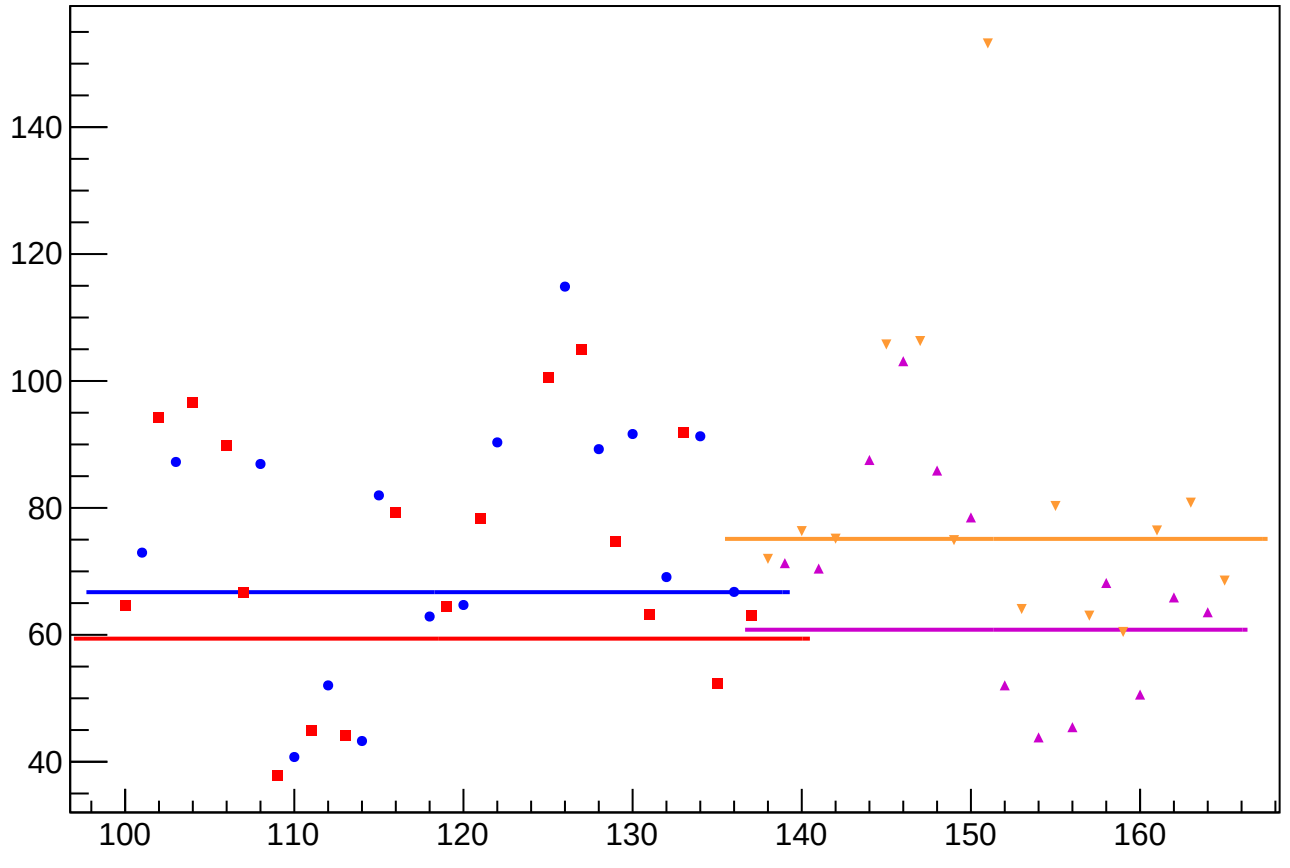
Left: 52.326+/-15.026 χ^2/NDF: 9.4/26

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.947+/-15.641 χ^2/NDF:24.4/28

Out: 9.250+/-16.680 χ^2/NDF:25.2/31

All: 17.602+/-11.409 χ^2/NDF: 50.1/60



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.120+/-0.017 χ^2/NDF:917829.5/13

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 60.806+/-0.014 χ^2/NDF:1313881.6/12

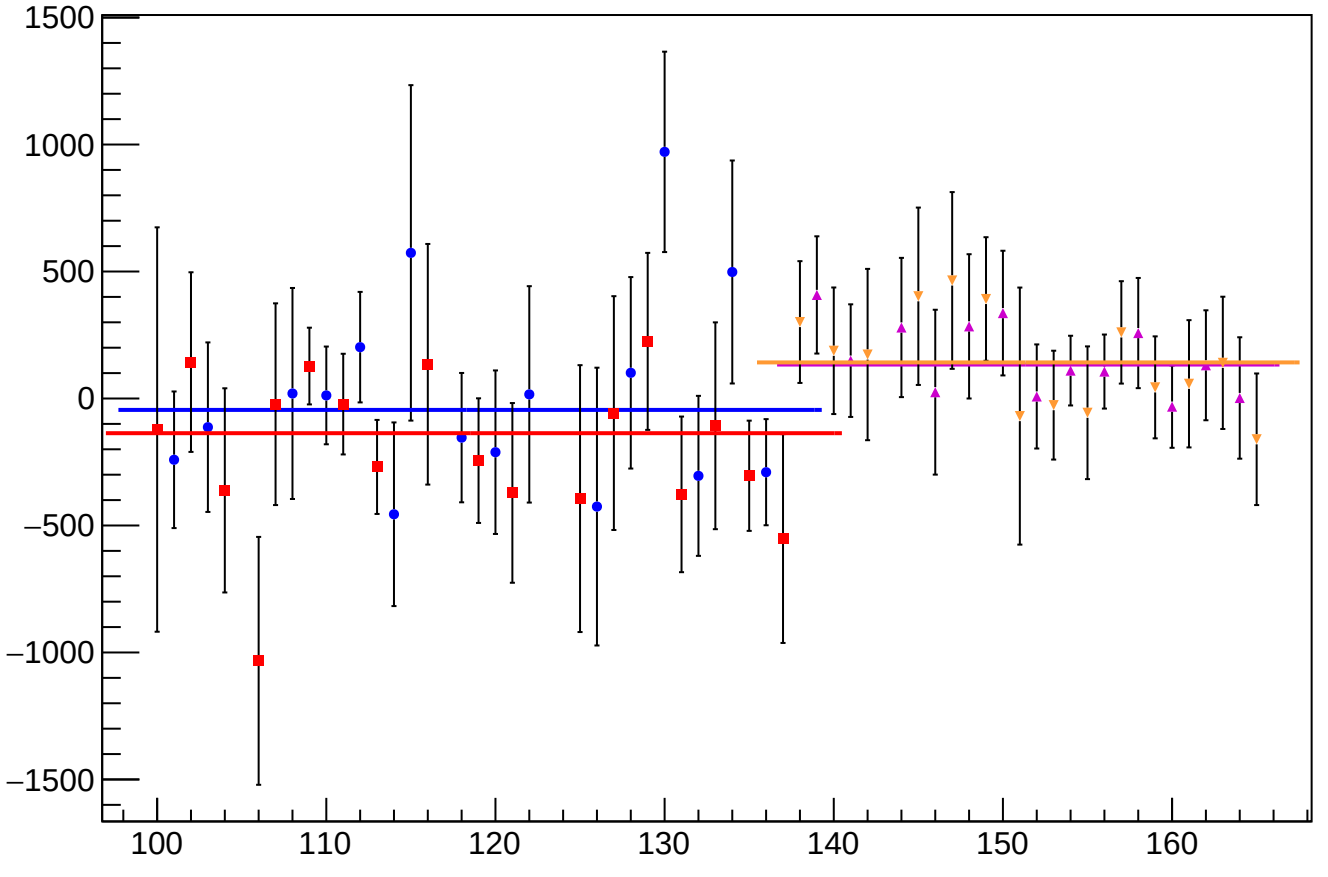
Left: 66.645+/-0.011 χ^2/NDF: 2670042.9/26

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.928+/-0.011 χ^2/NDF:2326772.9/28

Out: 67.302+/-0.012 χ^2/NDF:2807268.3/31

All: 64.974+/-0.008 χ^2/NDF: 5207234.2/60



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 142.106+/-68.849 χ^2/NDF:6.4/13

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 133.698+/-56.524 χ^2/NDF:4.9/12

Left: 137.083+/-43.687 χ^2/NDF: 11.3/26

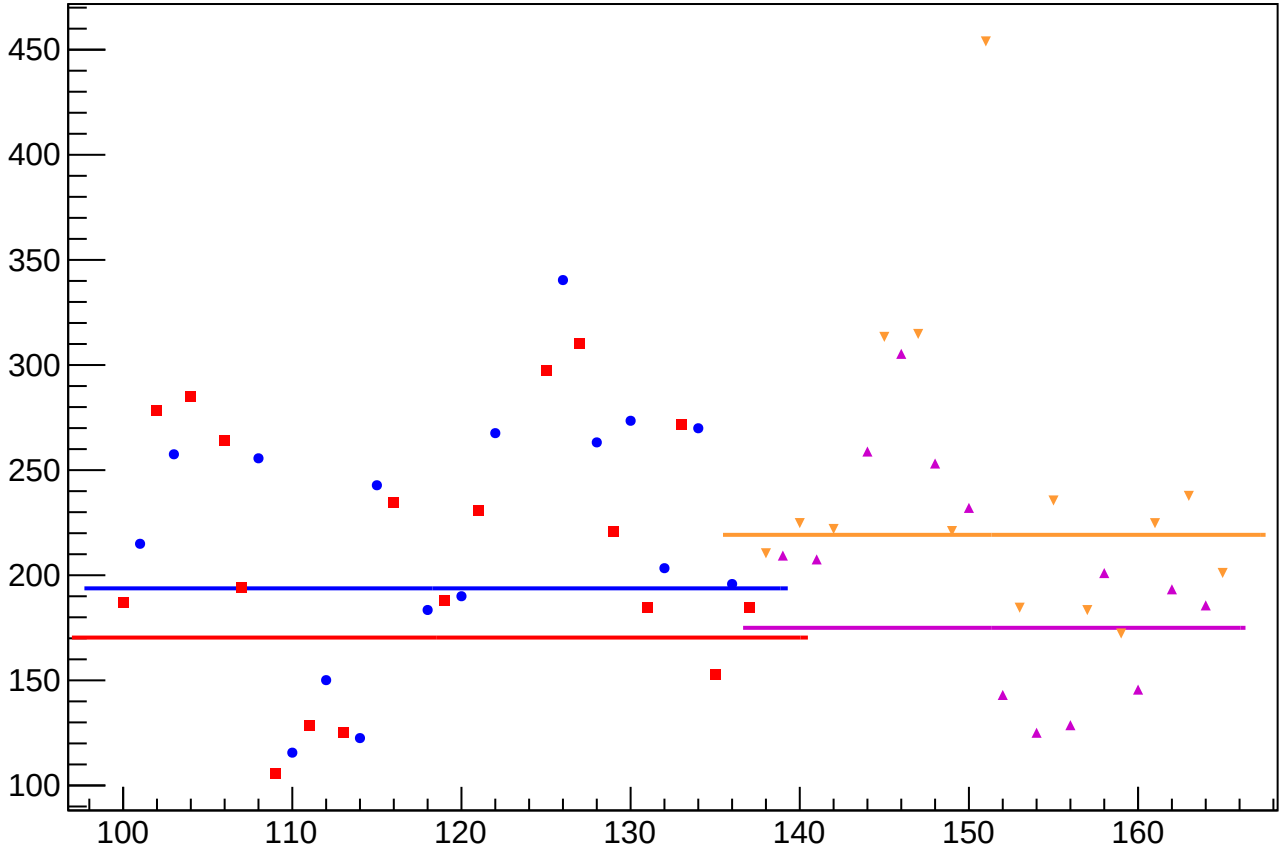
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 70.299+/-45.397 χ^2/NDF:23.9/28

Out: 1.695+/-48.496 χ^2/NDF:27.5/31

All: 38.259+/-33.142 χ^2/NDF: 52.5/60

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.223+/-0.049 χ^2/NDF:983786.9/13

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

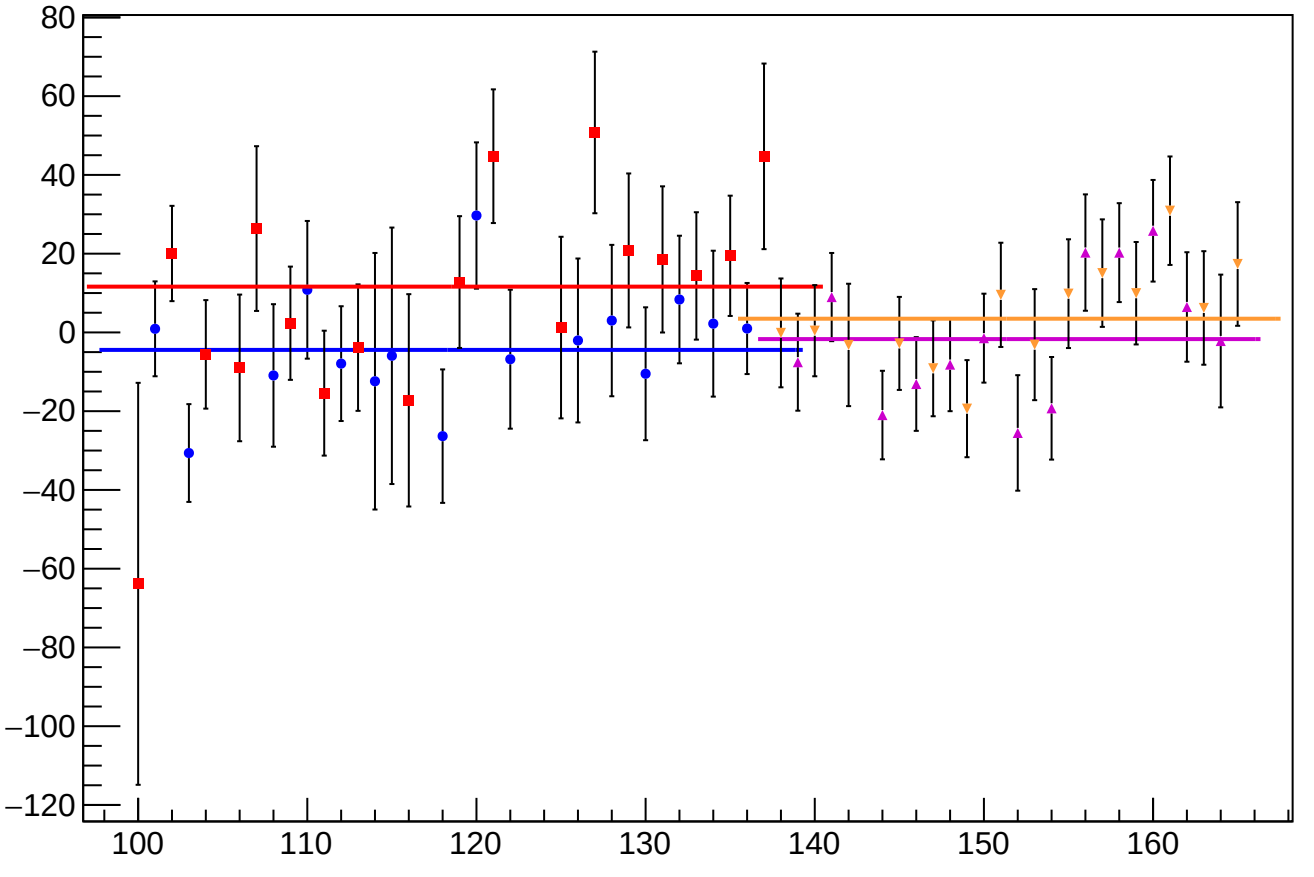
Left: 192.801+/-0.031 χ^2/NDF: 2961294.5/26

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 181.656+/-0.032 χ^2/NDF:2610829.2/28

Out: 194.603+/-0.034 χ^2/NDF:3090423.1/31

All: 187.703+/-0.023 χ^2/NDF: 5777221.1/60



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 3.483+/-3.564 χ^2/NDF:11.5/13

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.694+/-3.521 χ^2/NDF:19.9/12

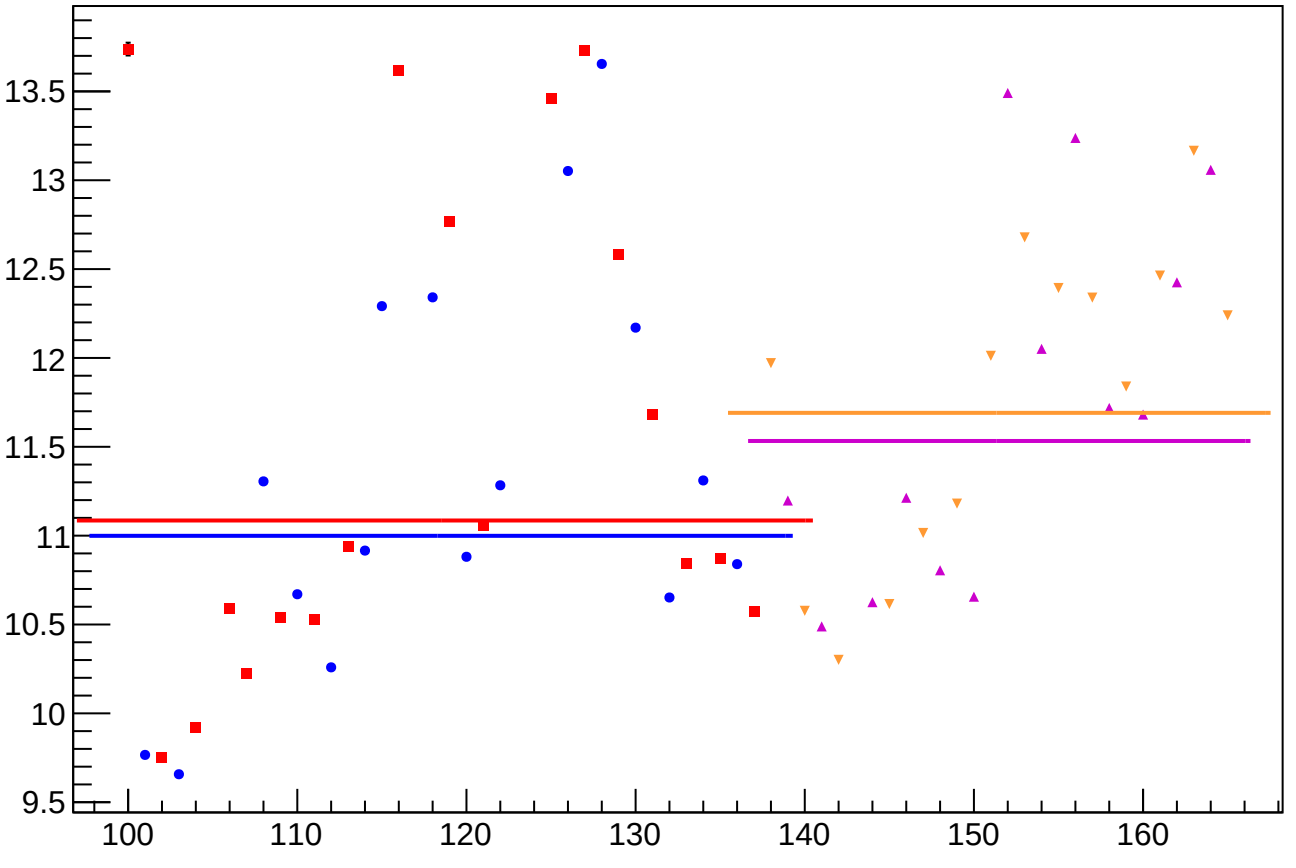
Left: 0.862+/-2.505 χ^2/NDF: 32.5/26

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.849+/-2.679 χ^2/NDF:32.2/28

Out: 6.953+/-2.700 χ^2/NDF:35.4/31

All: 2.014+/-1.902 χ^2/NDF: 74.2/60



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.691+/-0.003 χ^2/NDF:112119.8/13

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

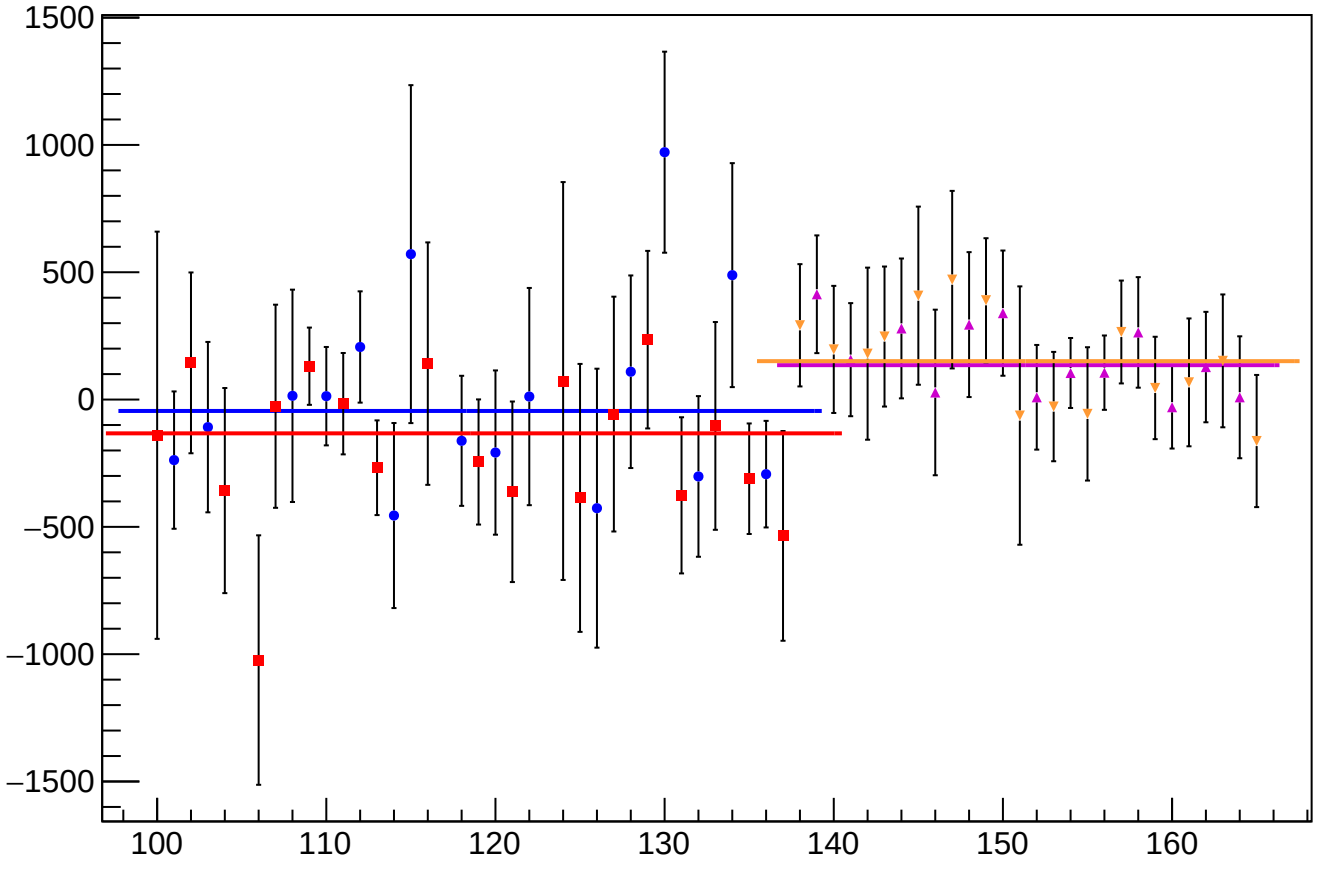
Left: 11.611+/-0.002 χ^2/NDF: 257837.1/26

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.308+/-0.002 χ^2/NDF:299217.9/28

Out: 11.433+/-0.002 χ^2/NDF:298939.9/31

All: 11.370+/-0.001 χ^2/NDF: 600309.8/60



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 150.815+/-66.900 χ^2/NDF:6.5/14

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 135.082+/-56.613 χ^2/NDF:5.0/12

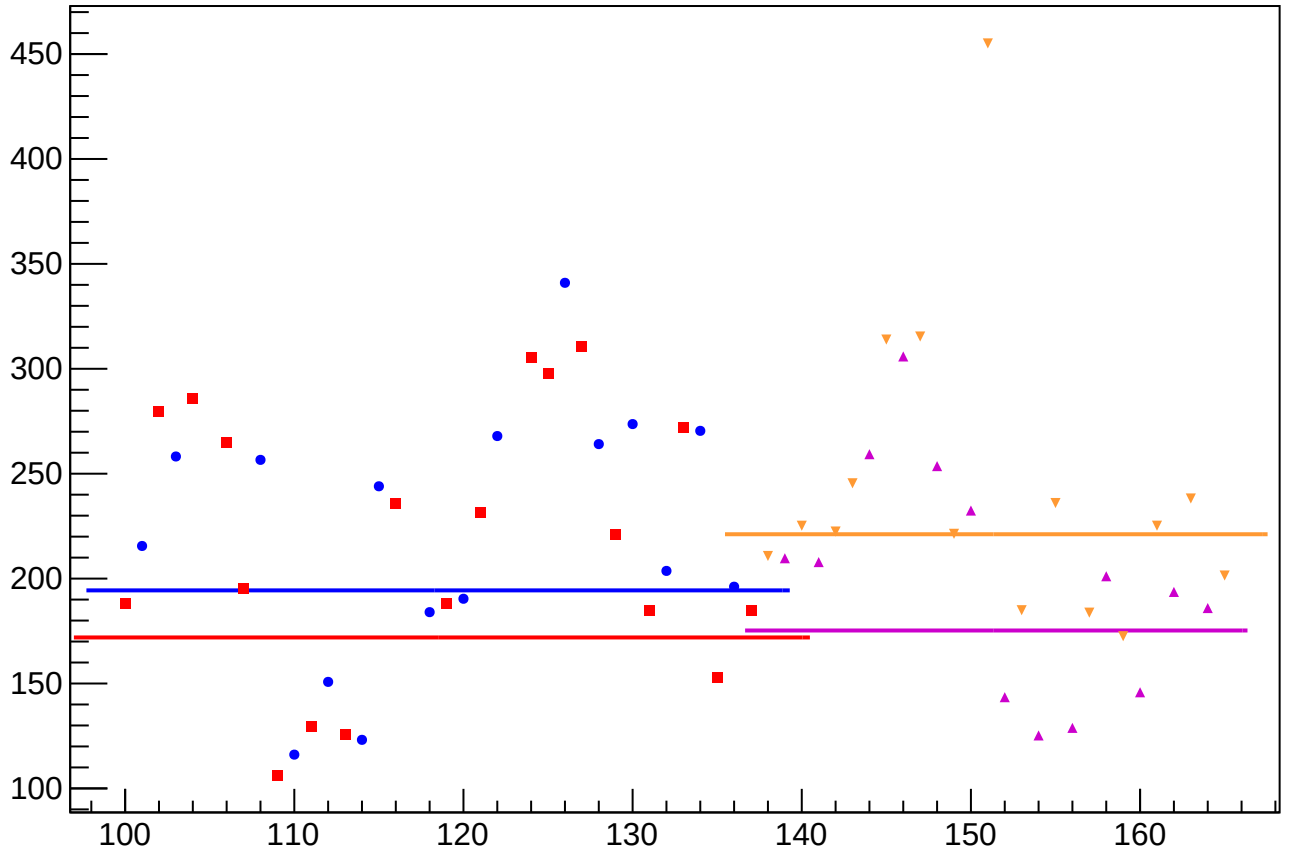
Left: 141.647+/-43.216 χ^2/NDF: 11.5/27

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.346+/-45.491 χ^2/NDF:24.0/28

Out: 11.914+/-47.782 χ^2/NDF:28.2/33

All: 43.089+/-32.947 χ^2/NDF: 53.0/62



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.143+/-0.047 χ^2/NDF:1001102.8/14

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

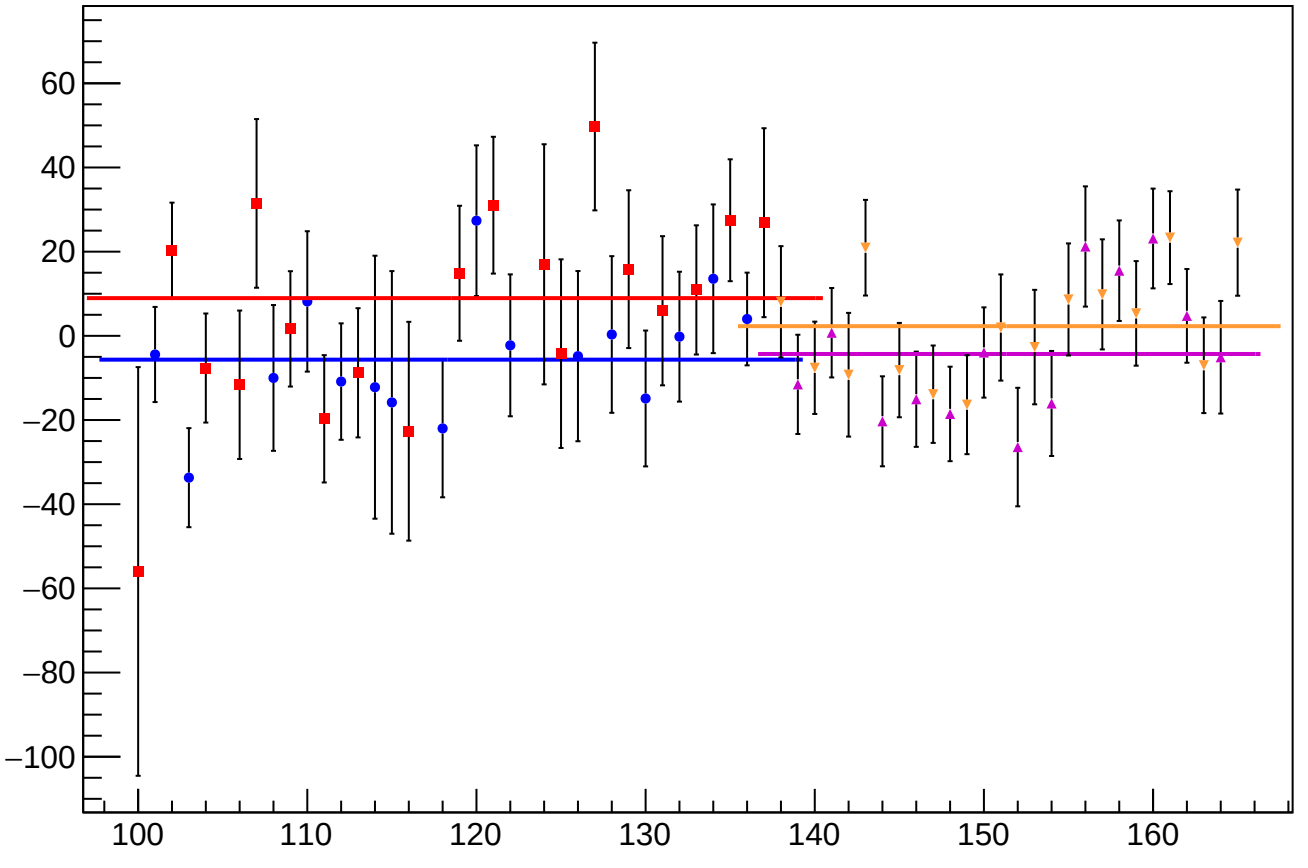
Left: 194.411+/-0.031 χ^2/NDF: 3033600.7/27

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.041+/-0.032 χ^2/NDF:2607330.6/28

Out: 197.044+/-0.034 χ^2/NDF:3182198.8/33

All: 189.174+/-0.023 χ^2/NDF: 5892953.0/62



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.295+/-3.147 χ^2/NDF:17.2/14

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.312+/-3.272 χ^2/NDF:20.7/12

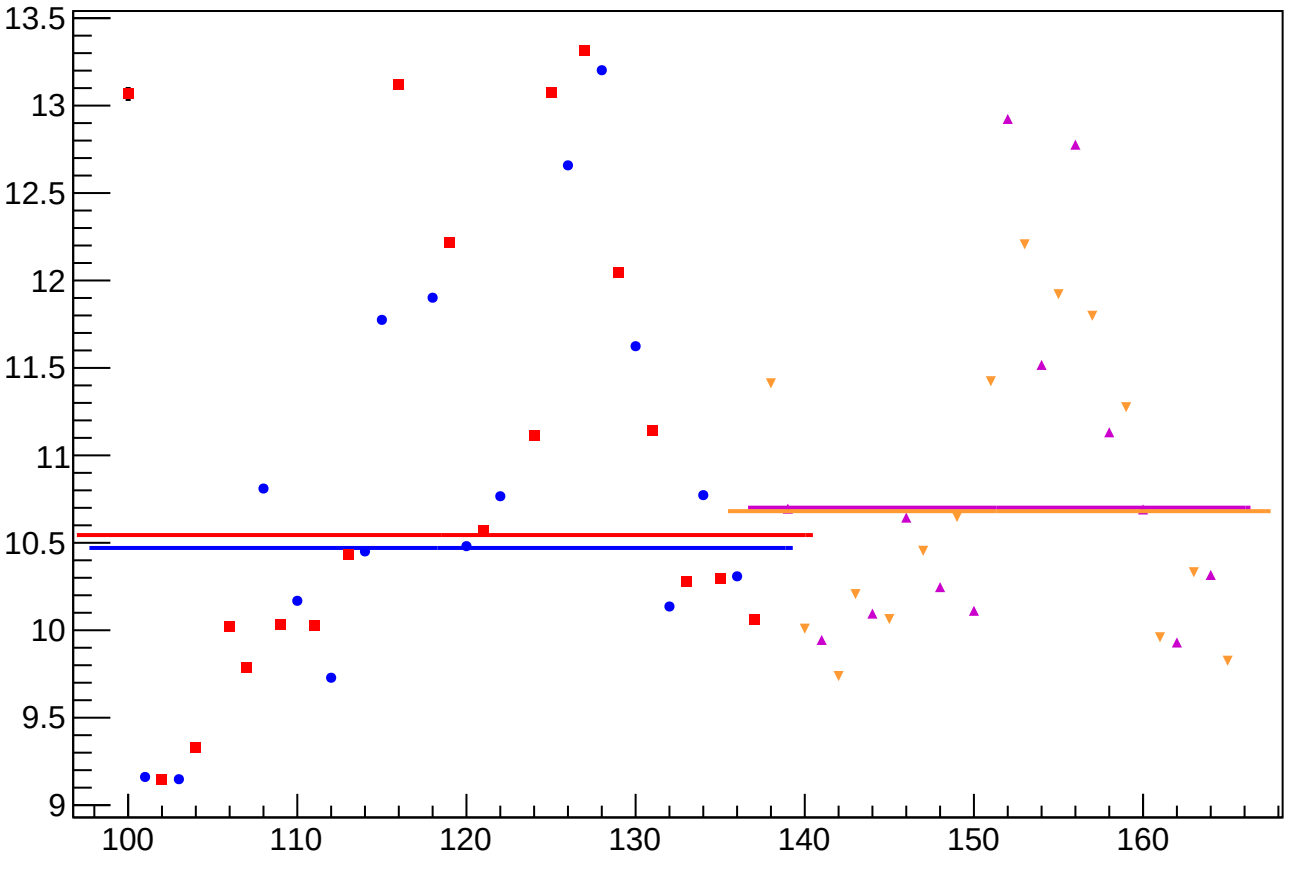
Left: -0.879+/-2.268 χ^2/NDF: 40.0/27

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.861+/-2.517 χ^2/NDF:34.4/28

Out: 4.922+/-2.449 χ^2/NDF:41.7/33

All: 0.164+/-1.755 χ^2/NDF: 83.9/62



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.681+/-0.002 χ^2/NDF:120492.5/14

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

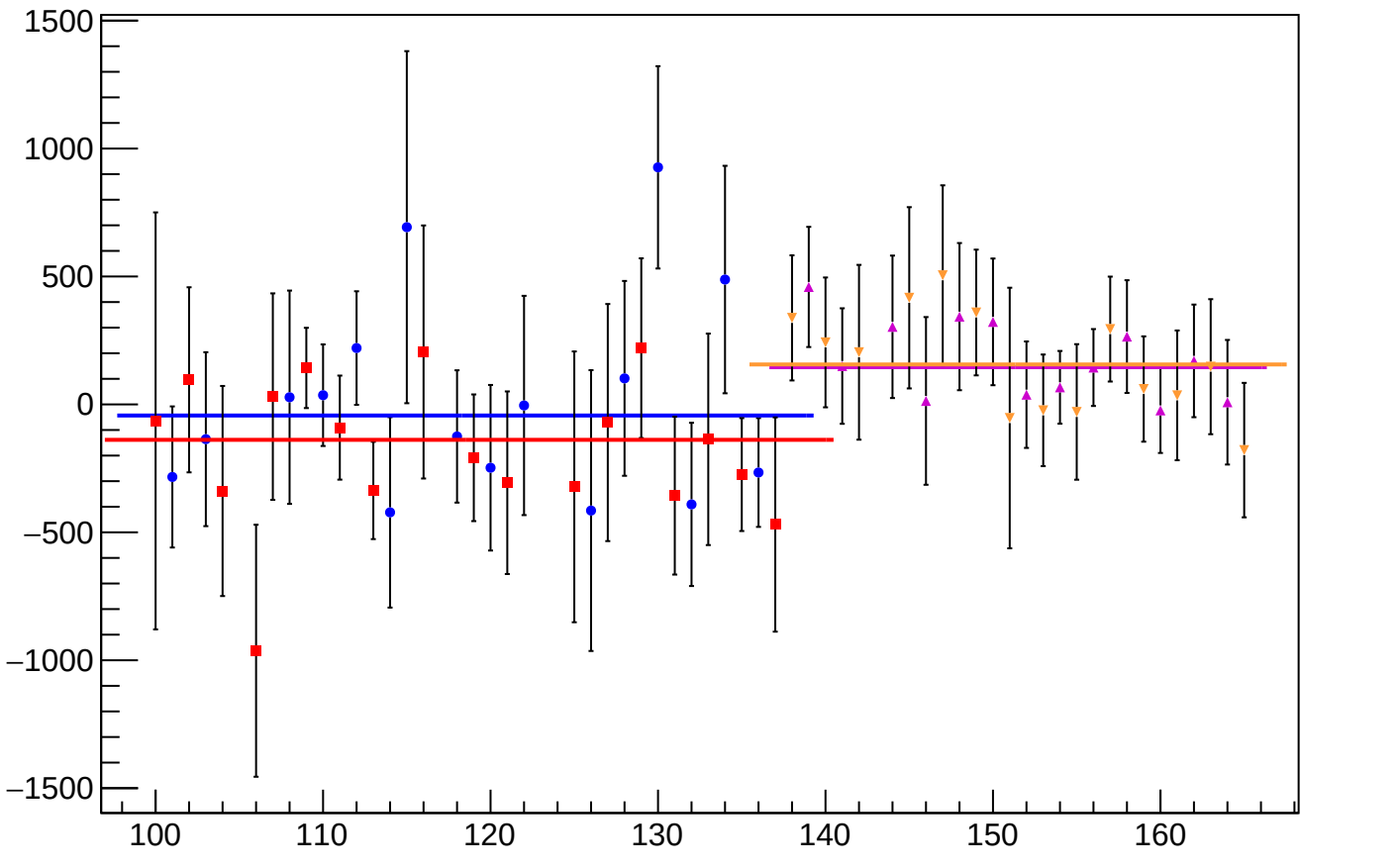
Left: 10.691+/-0.002 χ^2/NDF: 260944.8/27

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.607+/-0.002 χ^2/NDF:301826.1/28

Out: 10.627+/-0.002 χ^2/NDF:308758.6/33

All: 10.617+/-0.001 χ^2/NDF: 610651.0/62



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 156.140+/-69.955 χ^2/NDF:6.8/13

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 145.392+/-57.781 χ^2/NDF:5.5/12

Left: 149.751+/-44.549 χ^2/NDF: 12.2/26

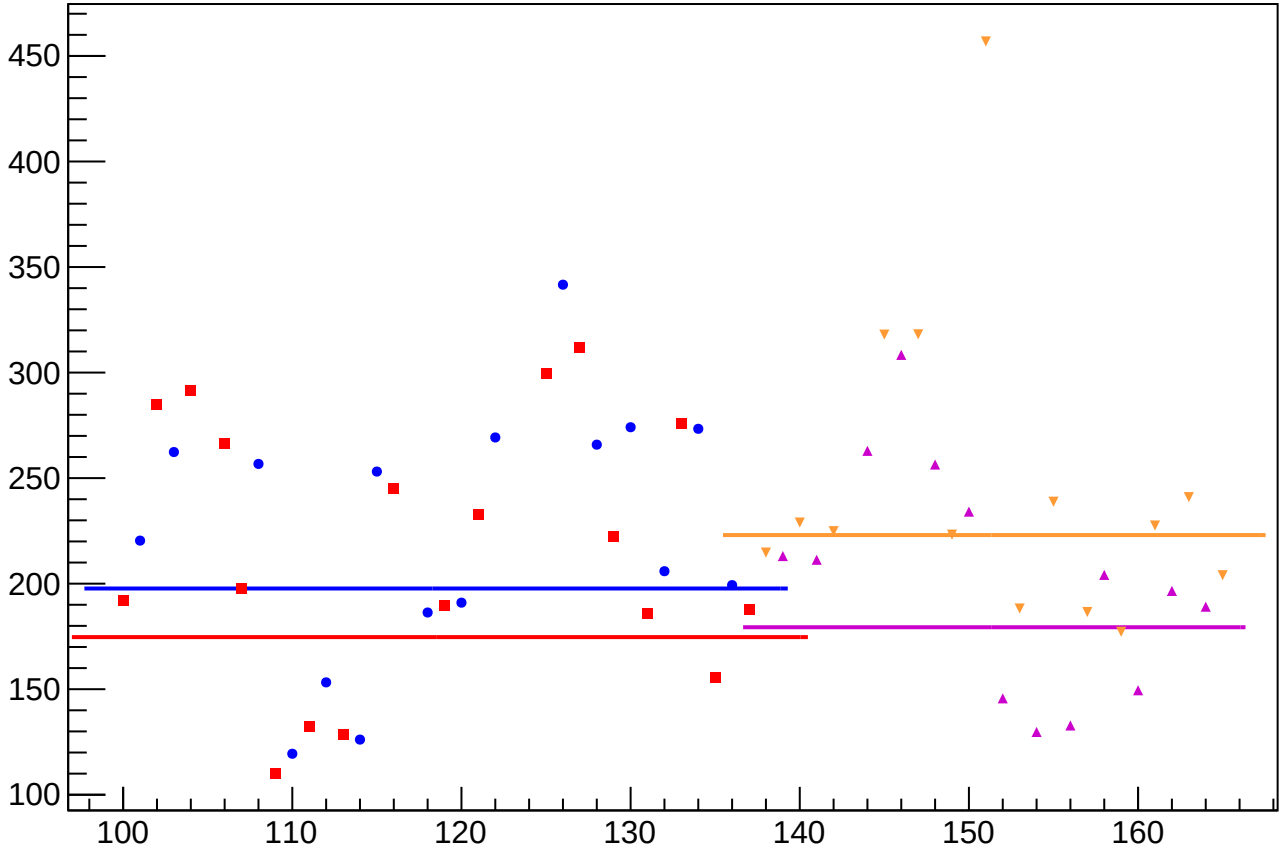
Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 78.043+/-46.341 χ^2/NDF:24.7/28

Out: 8.586+/-49.422 χ^2/NDF:27.1/31

All: 45.547+/-33.805 χ^2/NDF: 52.9/60

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.019+/-0.049 χ^2/NDF:955814.3/13

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

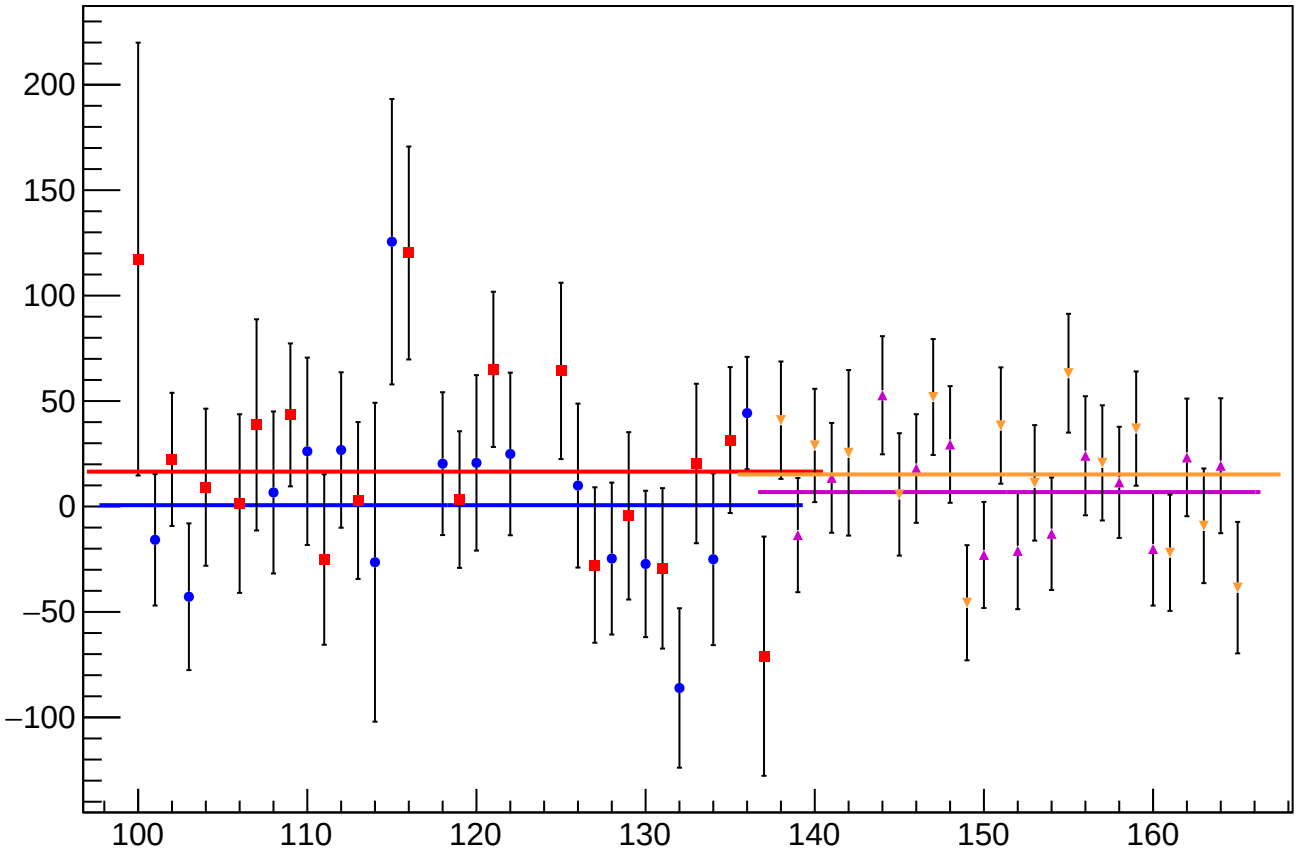
Left: 197.061+/-0.032 χ^2/NDF: 2825386.8/26

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.900+/-0.033 χ^2/NDF:2478653.6/28

Out: 198.807+/-0.035 χ^2/NDF:2968899.9/31

All: 191.939+/-0.024 χ^2/NDF: 5520133.2/60



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 15.206+/-7.562 χ^2/NDF:17.9/13

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 6.830+/-7.545 χ^2/NDF:9.1/12

Left: 11.009+/-5.341 χ^2/NDF: 27.6/26

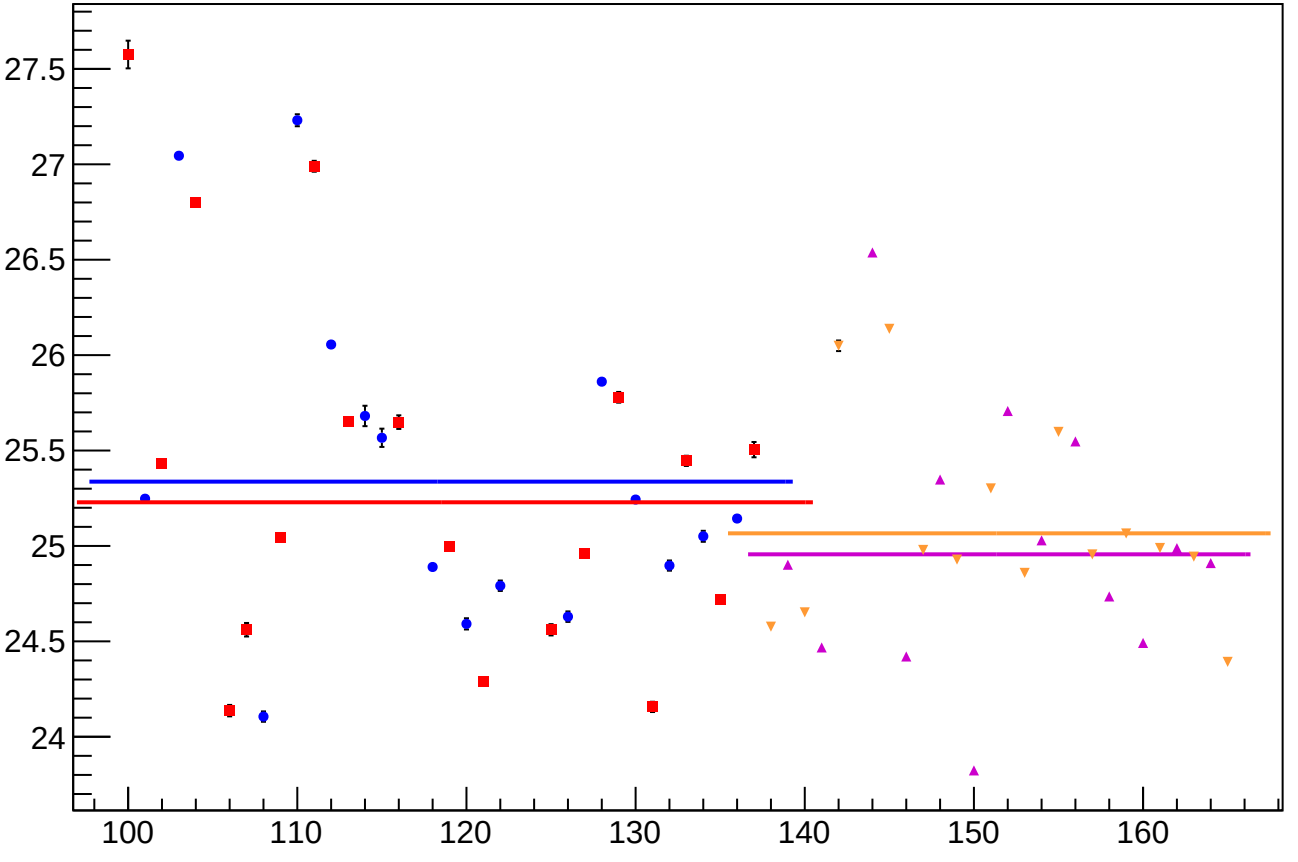
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 4.403+/-5.889 χ^2/NDF:26.1/28

Out: 15.734+/-5.869 χ^2/NDF:34.3/31

All: 10.088+/-4.157 χ^2/NDF: 62.2/60

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.066+/-0.005 χ^2/NDF:7140.3/13

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

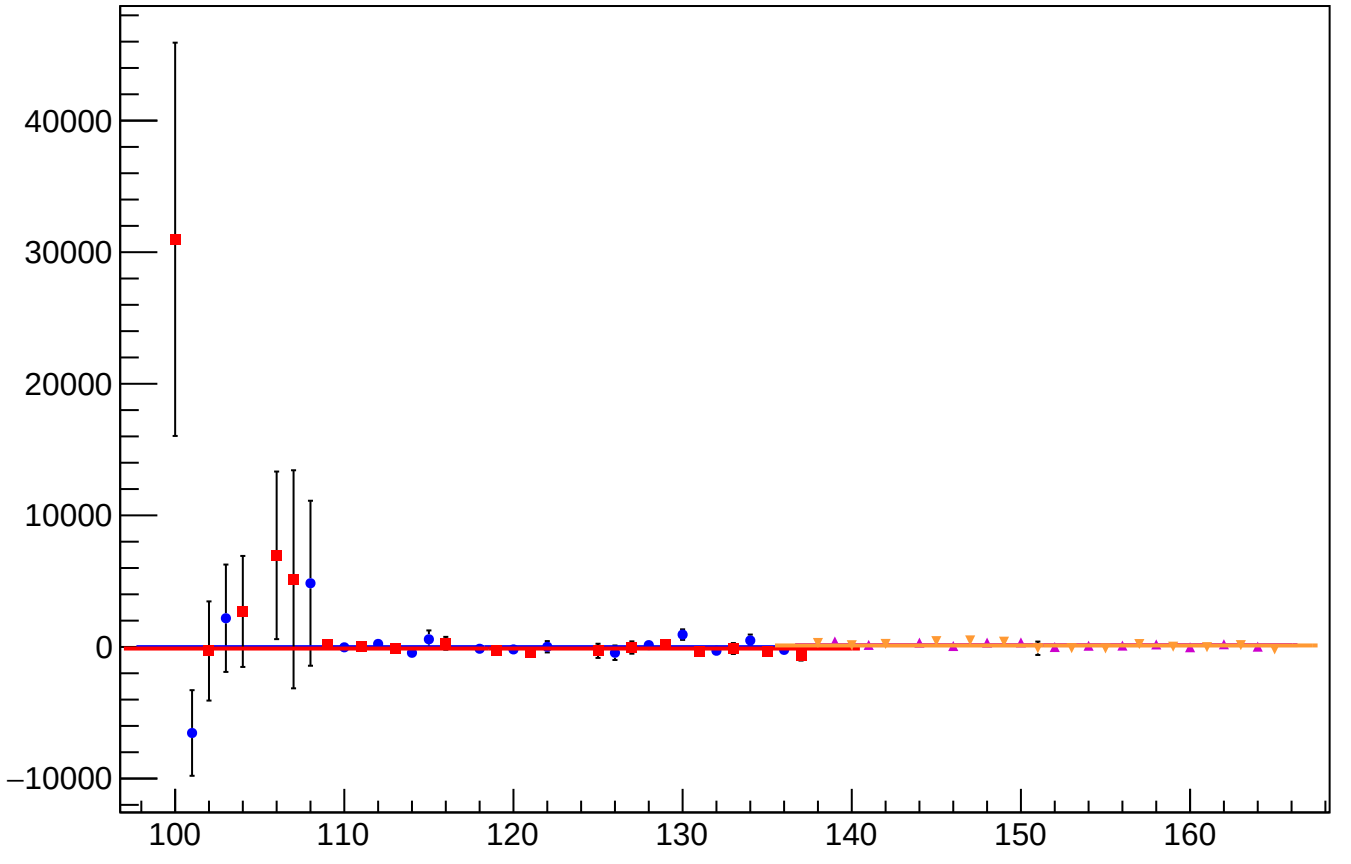
Left: 25.011+/-0.004 χ^2/NDF: 22874.8/26

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.105+/-0.004 χ^2/NDF:31829.2/28

Out: 25.131+/-0.004 χ^2/NDF:22684.6/31

All: 25.118+/-0.003 χ^2/NDF: 54533.1/60



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.234+/-70.555 χ^2/NDF:7.7/13

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 143.882+/-58.602 χ^2/NDF:4.8/12

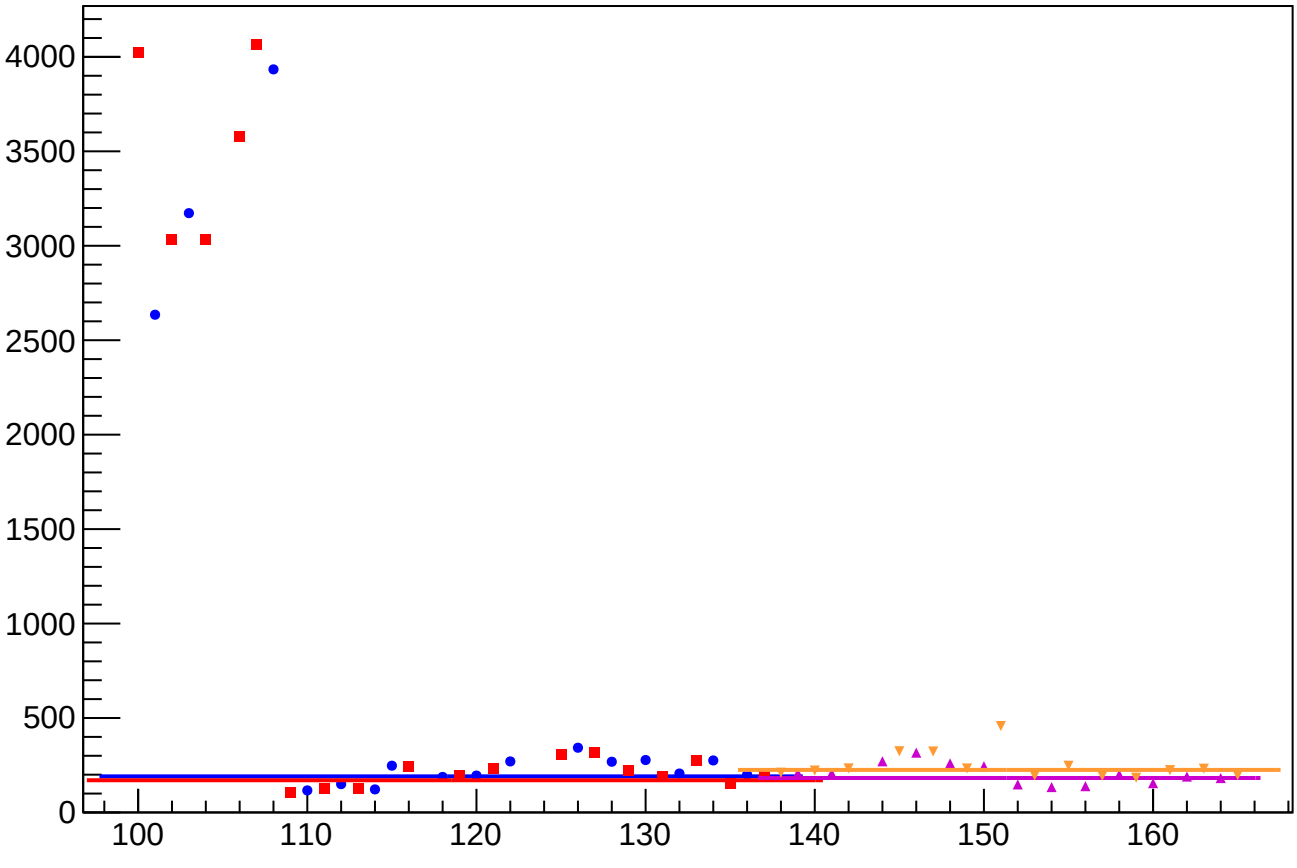
Left: 131.779+/-45.080 χ^2/NDF: 12.7/26

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 92.843+/-48.146 χ^2/NDF:25.5/28

Out: 9.200+/-52.399 χ^2/NDF:27.1/31

All: 54.553+/-35.453 χ^2/NDF: 53.9/60



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 225.261+/-0.050 χ^2/NDF:922863.1/13

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

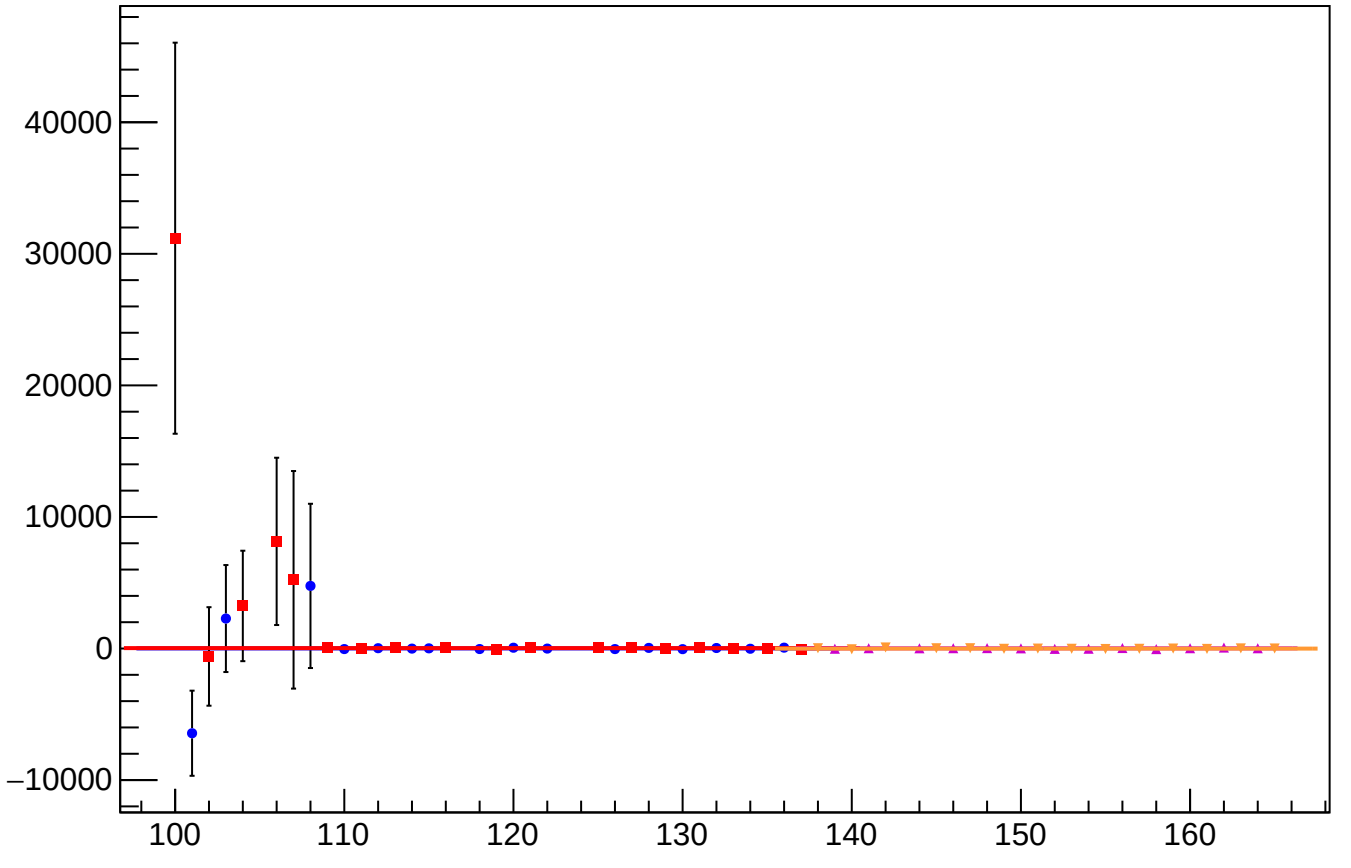
Left: 199.940+/-0.032 χ^2/NDF: 2656478.4/26

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.266+/-0.034 χ^2/NDF:5146264.3/28

Out: 200.701+/-0.037 χ^2/NDF:5718100.5/31

All: 192.332+/-0.025 χ^2/NDF: 10958455.6/60



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.178+/-8.802 χ^2/NDF:10.7/13

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 12.349+/-8.854 χ^2/NDF:12.2/12

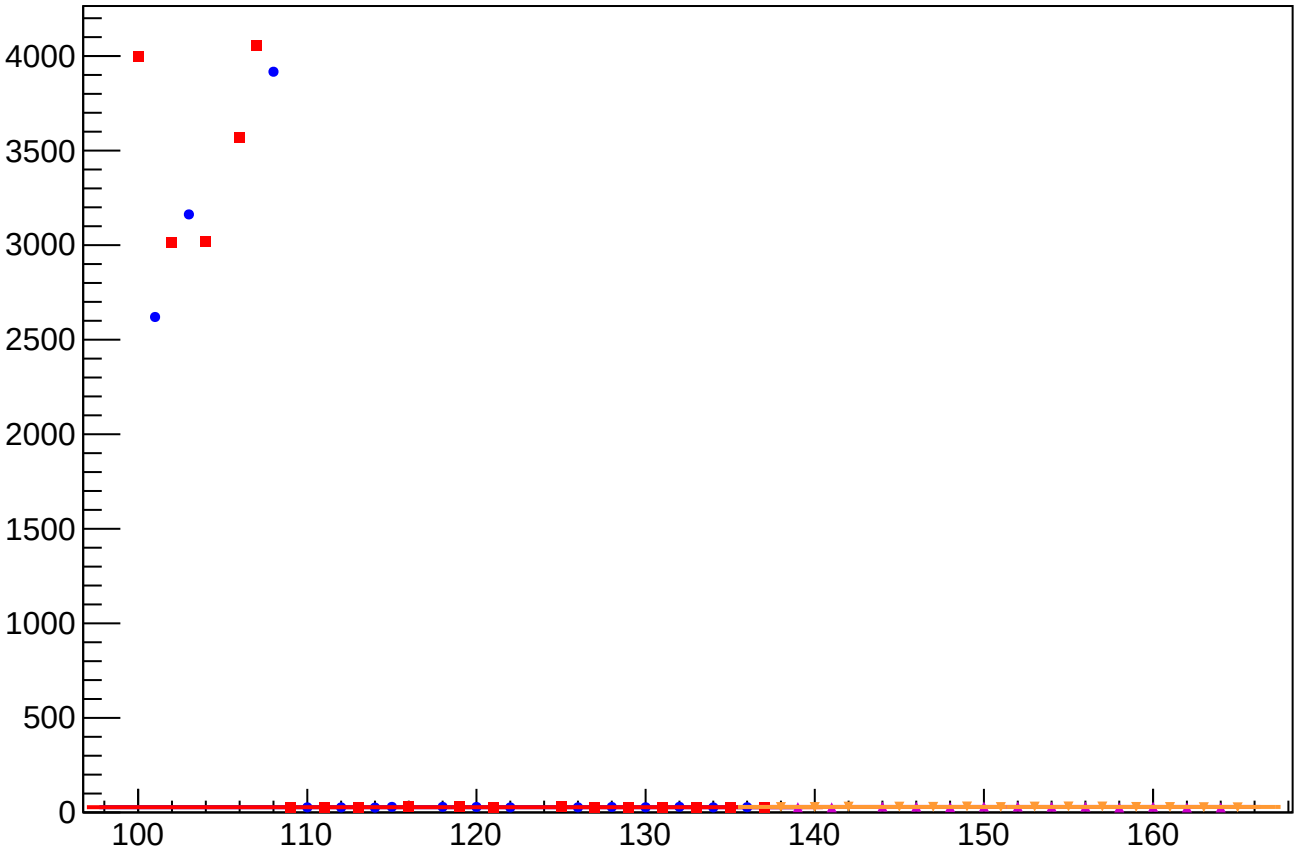
Left: 2.528+/-6.242 χ^2/NDF: 25.3/26

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 10.230+/-7.074 χ^2/NDF:30.6/28

Out: 5.965+/-7.114 χ^2/NDF:37.0/31

All: 8.110+/-5.016 χ^2/NDF: 67.8/60



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.123+/-0.006 χ^2/NDF:51884.6/13

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

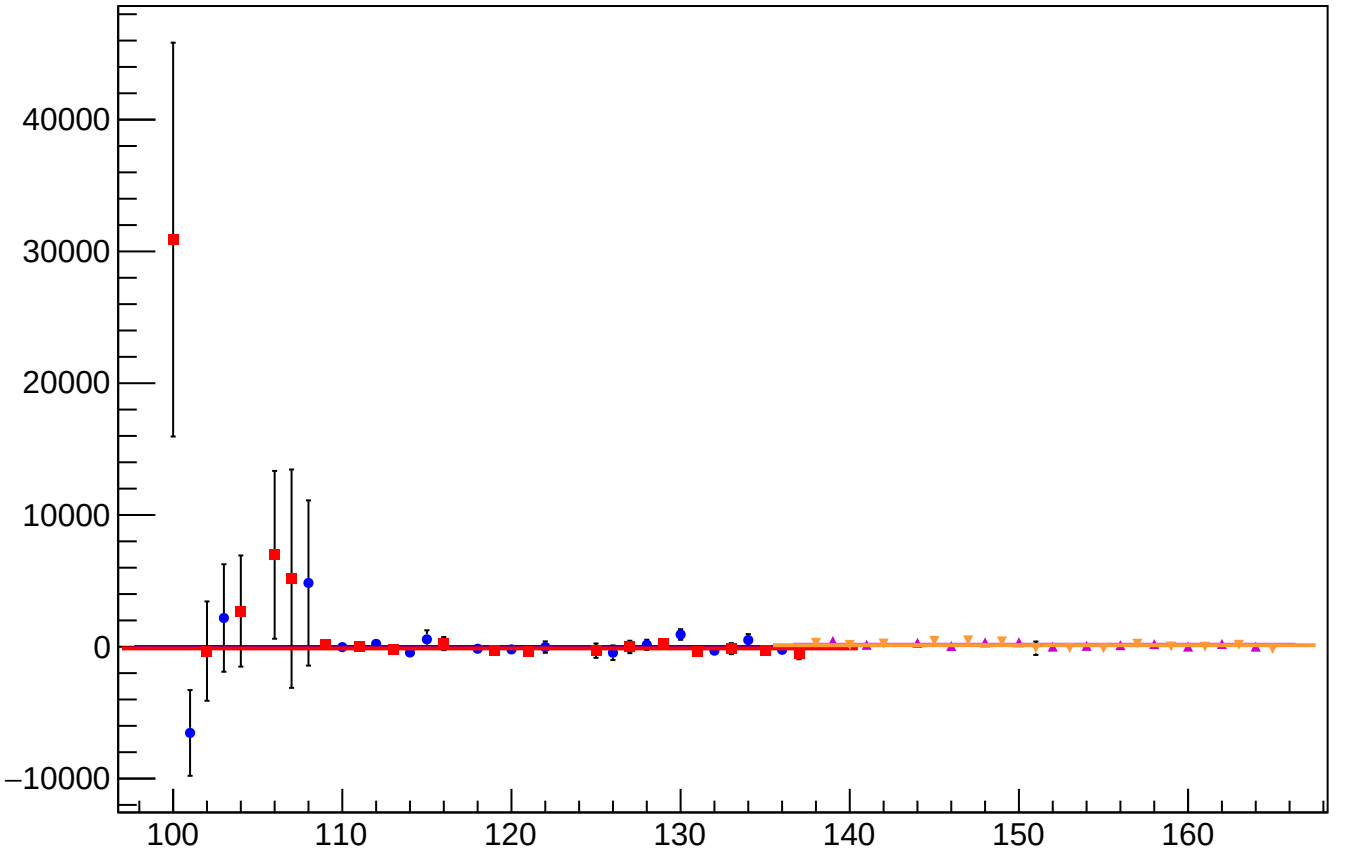
Left: 29.162+/-0.004 χ^2/NDF: 147518.2/26

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.704+/-0.005 χ^2/NDF:3378939.7/28

Out: 28.657+/-0.005 χ^2/NDF:3626462.9/31

All: 28.680+/-0.004 χ^2/NDF: 7005446.6/60



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.002+/-71.091 χ^2/NDF:7.4/13

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 149.850+/-59.170 χ^2/NDF:4.8/12

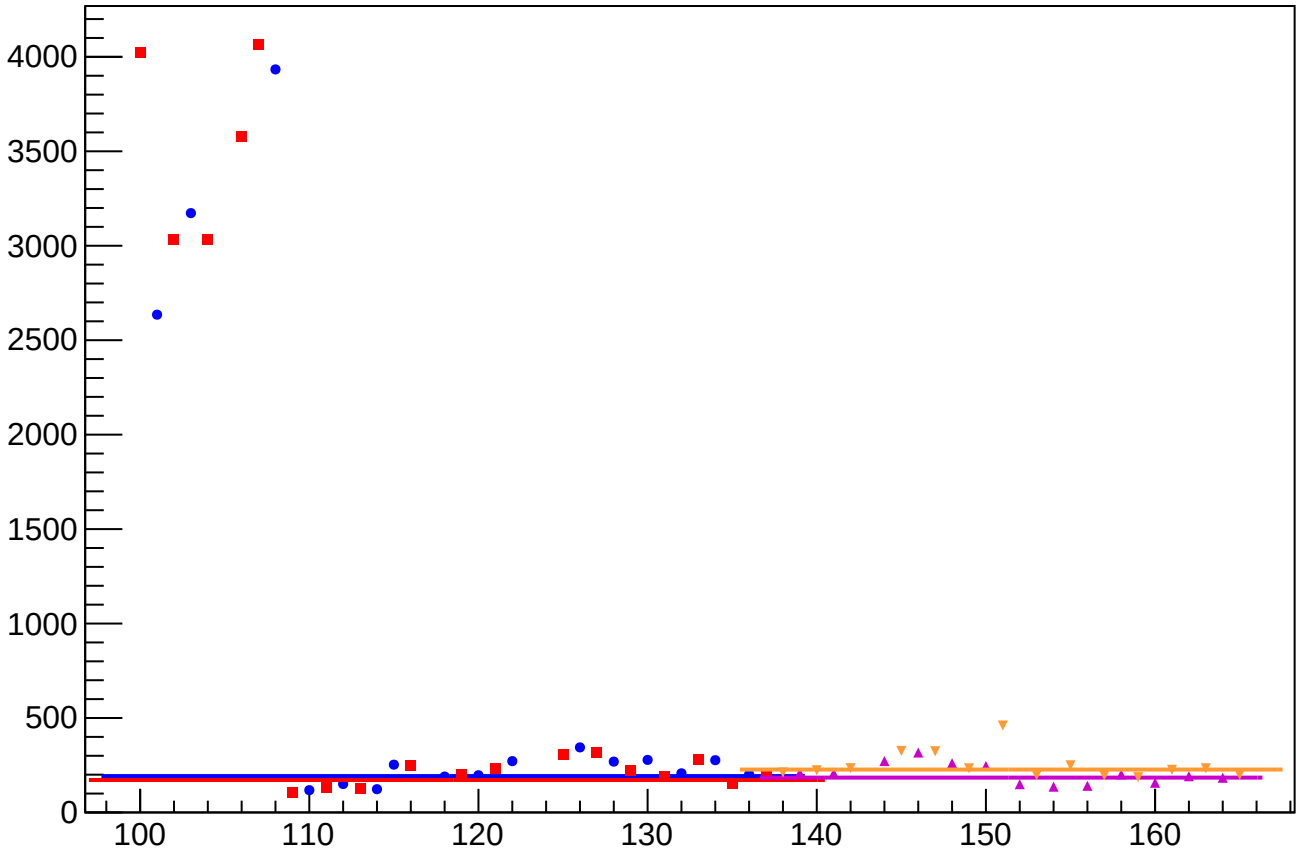
Left: 137.635+/-45.478 χ^2/NDF: 12.3/26

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 94.620+/-48.574 χ^2/NDF:25.6/28

Out: 11.686+/-52.798 χ^2/NDF:25.9/31

All: 56.602+/-35.747 χ^2/NDF: 52.8/60



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 227.086+/-0.050 χ^2/NDF:908935.1/13

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

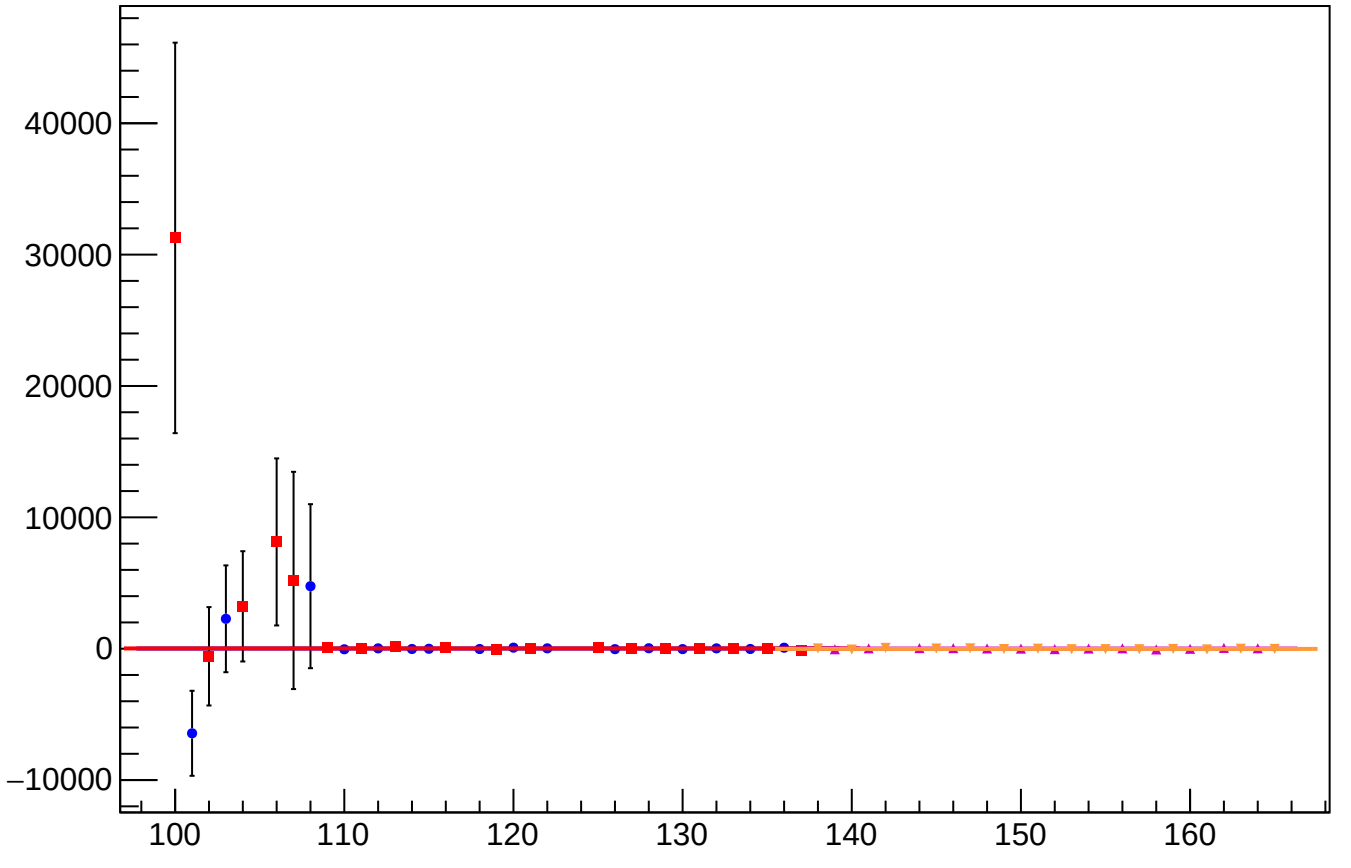
Left: 201.897+/-0.032 χ^2/NDF: 2593570.5/26

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.093+/-0.034 χ^2/NDF:5094653.1/28

Out: 202.339+/-0.037 χ^2/NDF:5697212.8/31

All: 194.082+/-0.025 χ^2/NDF: 10882183.5/60



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.931+/-9.410 χ^2/NDF:11.4/13

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 10.555+/-9.487 χ^2/NDF:14.0/12

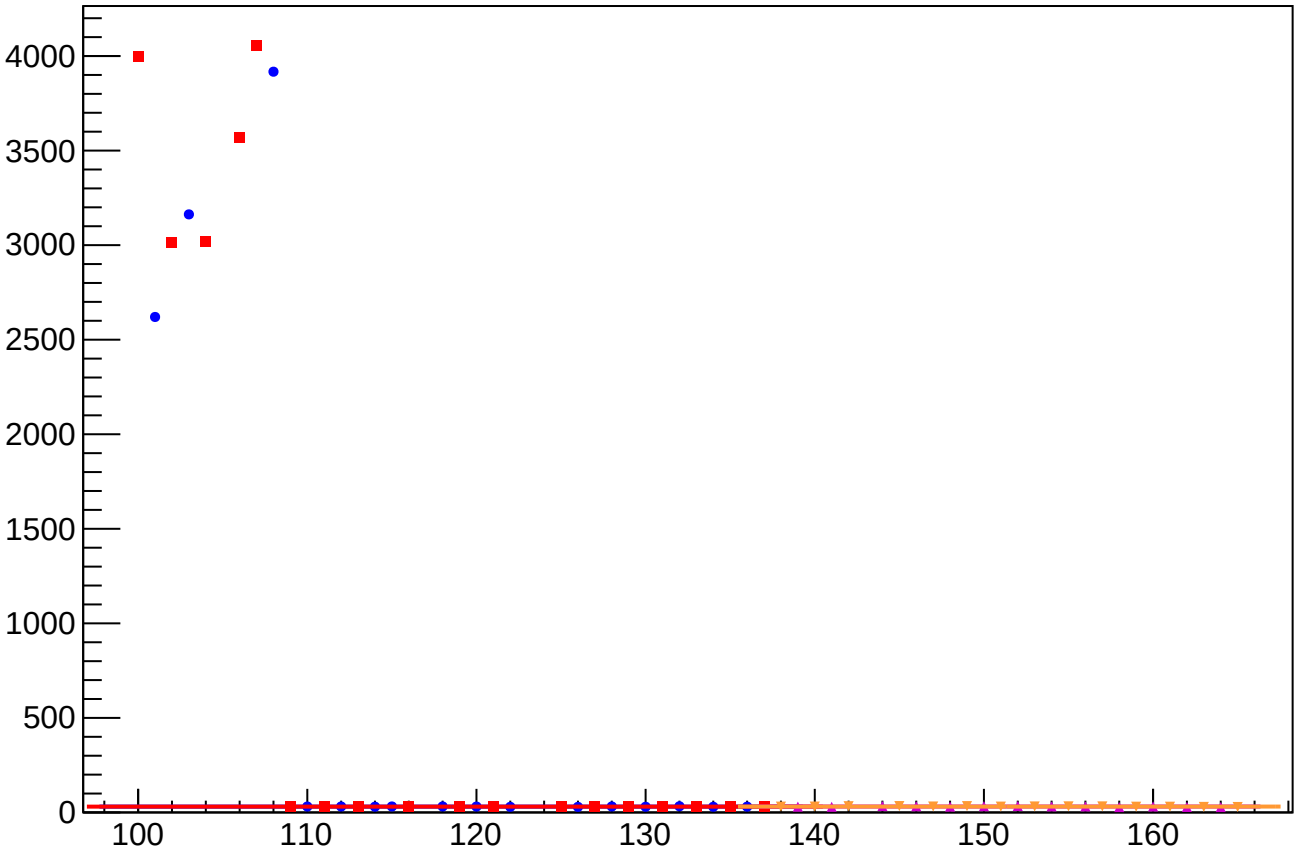
Left: -2.292+/-6.681 χ^2/NDF: 29.1/26

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 11.645+/-7.676 χ^2/NDF:29.5/28

Out: -2.744+/-7.697 χ^2/NDF:44.9/31

All: 4.471+/-5.435 χ^2/NDF: 76.1/60



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.151+/-0.007 χ^2/NDF:40979.7/13

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

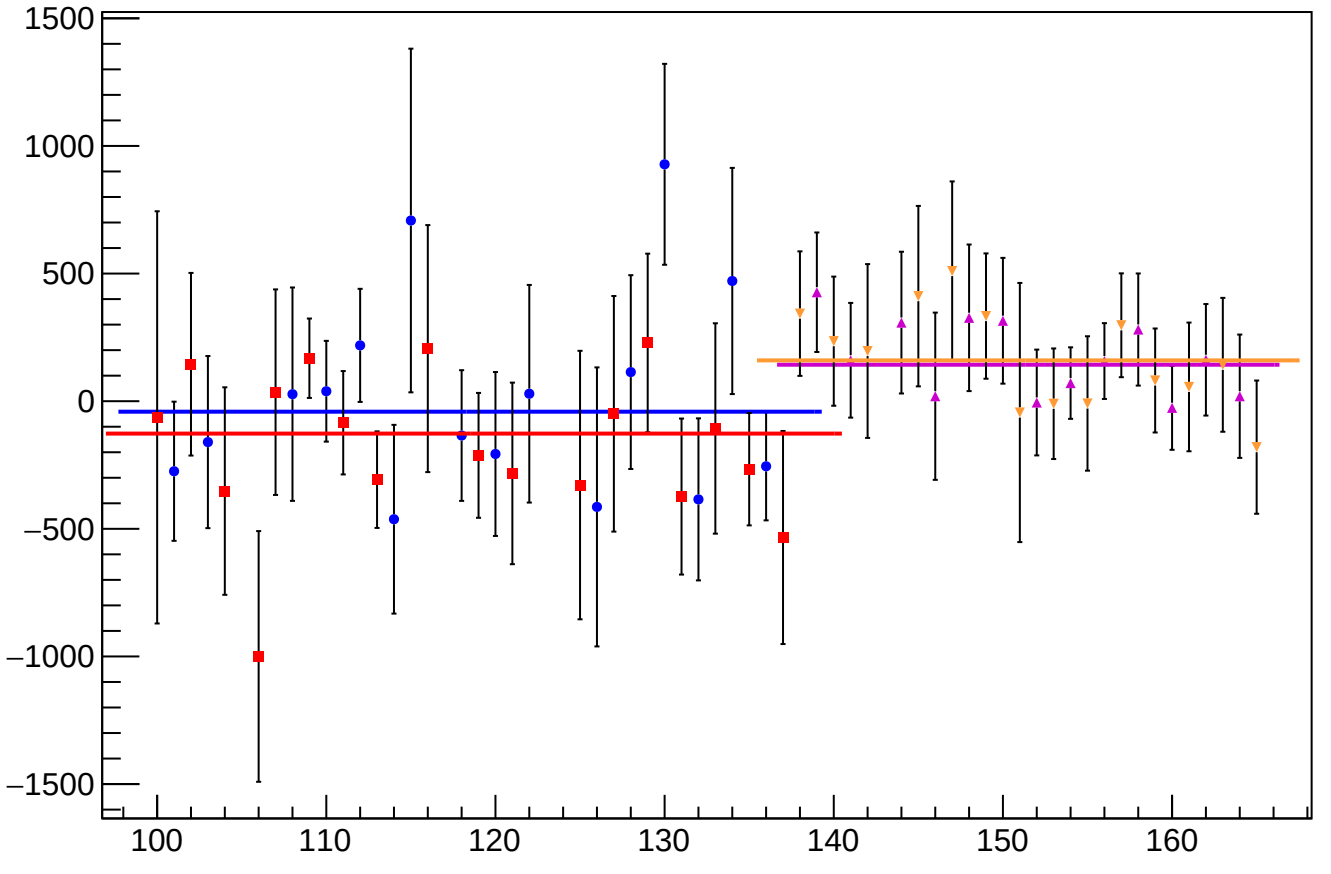
Left: 31.227+/-0.005 χ^2/NDF: 116152.8/26

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.174+/-0.005 χ^2/NDF:3328600.2/28

Out: 31.036+/-0.005 χ^2/NDF:3577838.2/31

All: 31.105+/-0.004 χ^2/NDF: 6906760.4/60



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 159.906+/-69.568 χ^2/NDF:6.3/13

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 142.956+/-57.322 χ^2/NDF:5.4/12

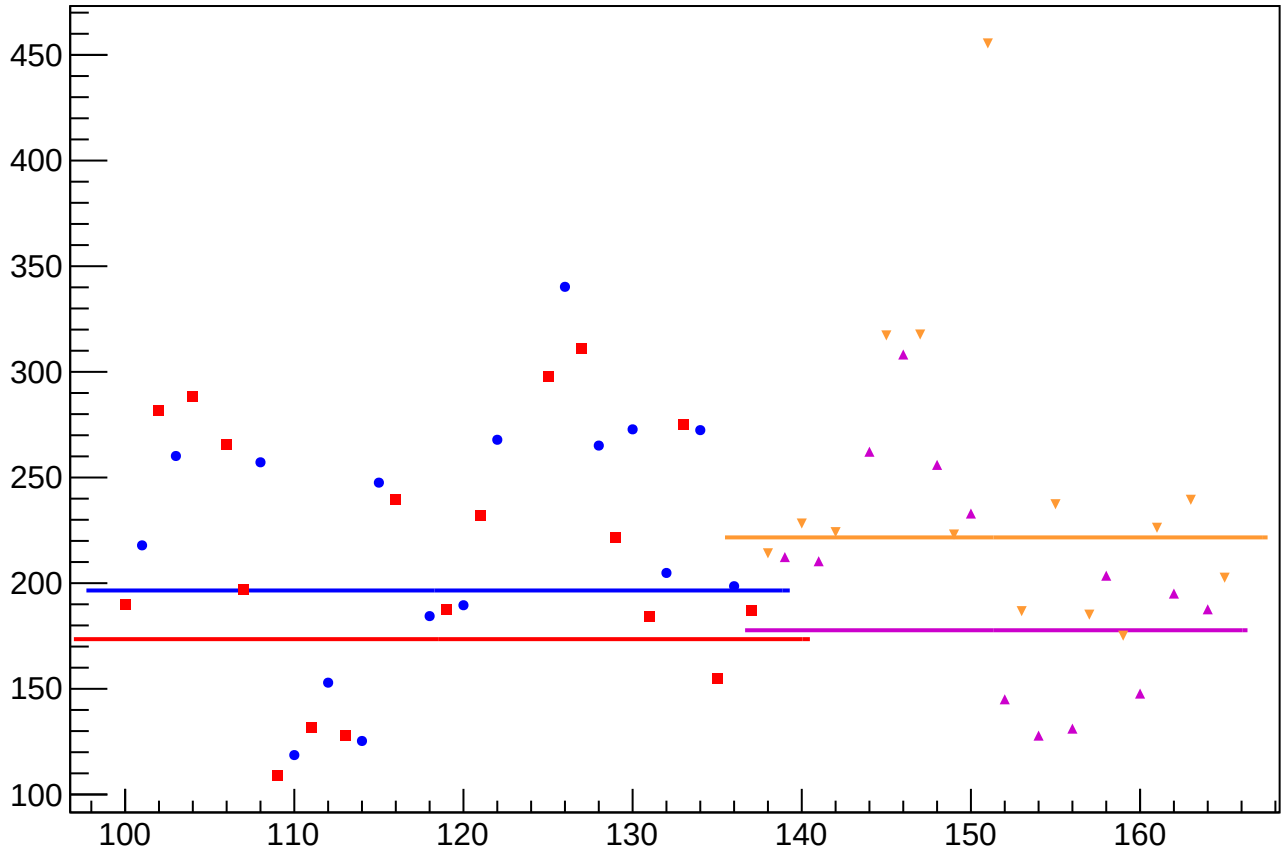
Left: 149.810+/-44.239 χ^2/NDF: 11.7/26

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 77.472+/-46.010 χ^2/NDF:24.7/28

Out: 16.122+/-49.126 χ^2/NDF:27.6/31

All: 48.804+/-33.582 χ^2/NDF: 53.1/60



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.657+/-0.049 χ^2/NDF:971881.0/13

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

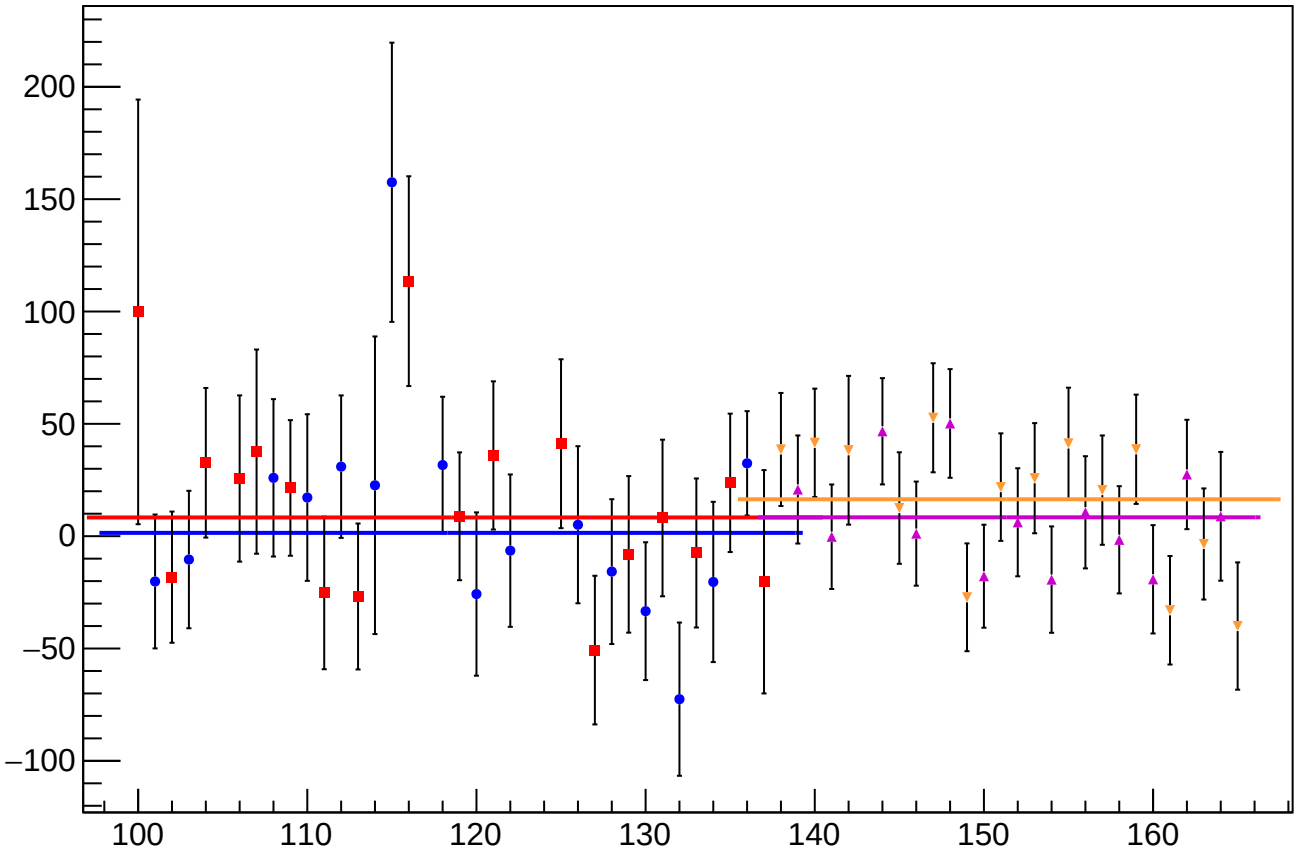
Left: 195.486+/-0.031 χ^2/NDF: 2894505.1/26

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.414+/-0.033 χ^2/NDF:2524903.1/28

Out: 197.519+/-0.035 χ^2/NDF:2984881.6/31

All: 190.538+/-0.024 χ^2/NDF: 5585602.5/60



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 16.420+/-6.700 χ^2/NDF:18.7/13

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 8.392+/-6.690 χ^2/NDF:10.9/12

Left: 12.401+/-4.734 χ^2/NDF: 30.4/26

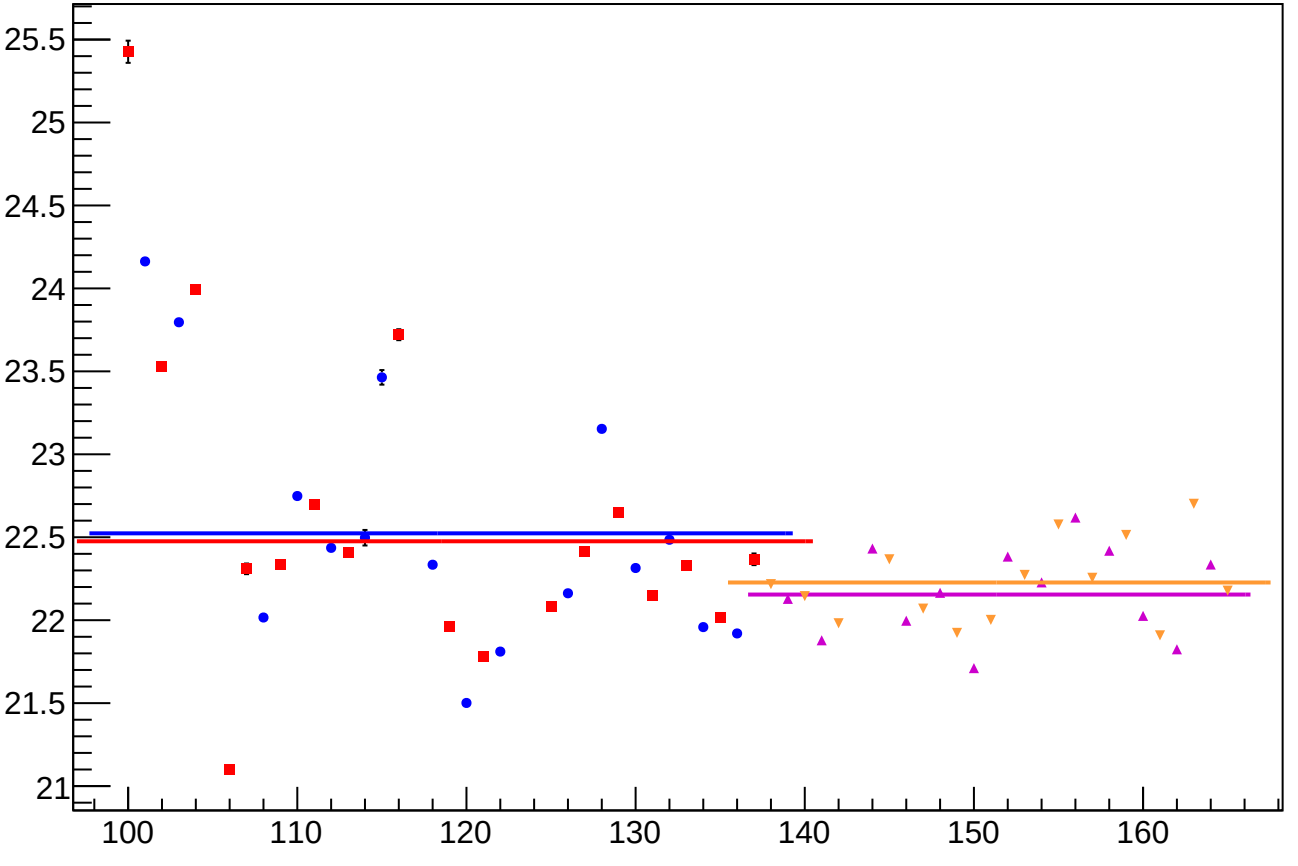
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.696+/-5.226 χ^2/NDF:30.0/28

Out: 13.221+/-5.210 χ^2/NDF:35.3/31

All: 9.470+/-3.690 χ^2/NDF: 66.4/60

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: 22.227+/-0.005 χ^2/NDF:2554.5/13

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

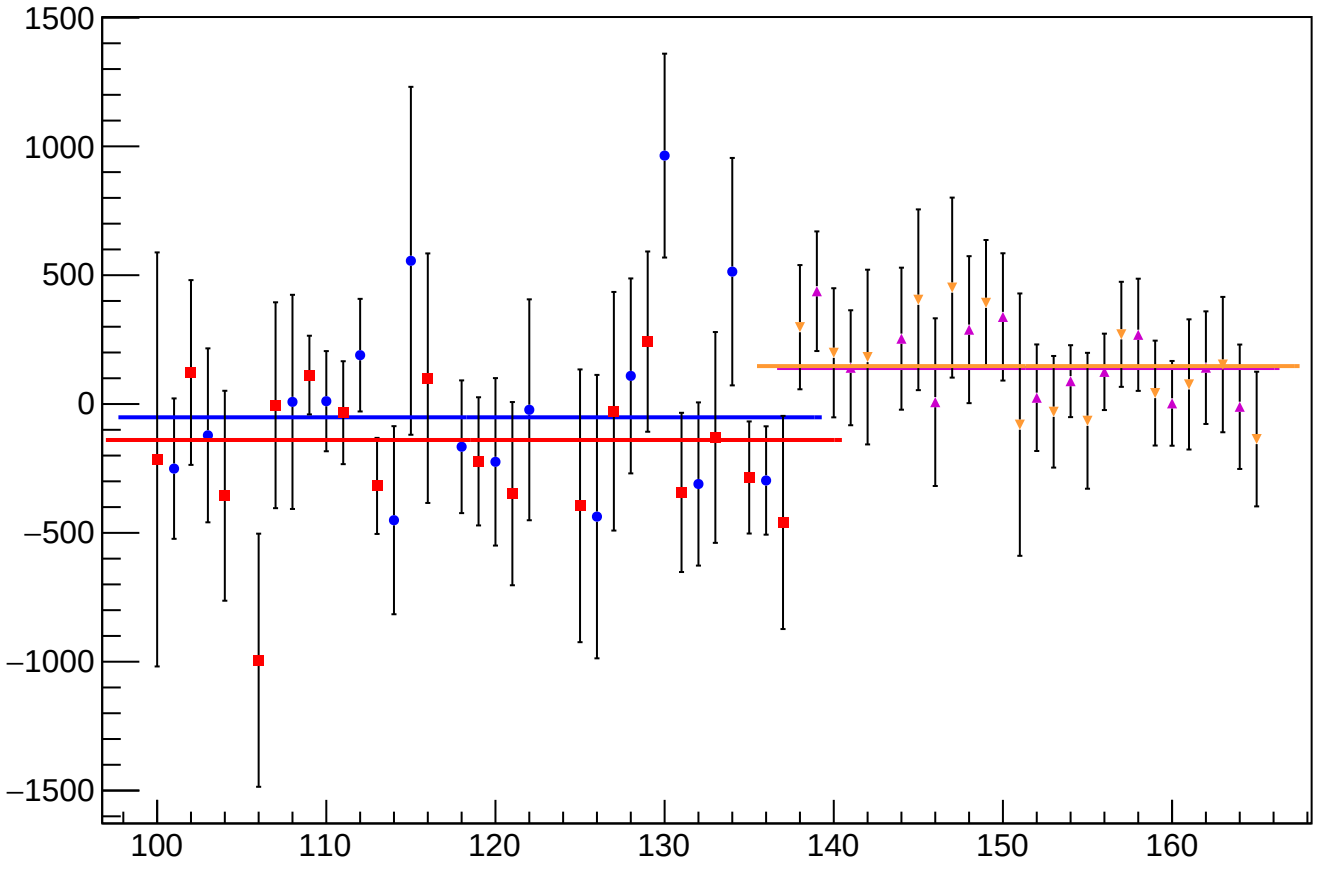
Left: 22.191+/-0.003 χ^2/NDF: 5713.9/26

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.298+/-0.004 χ^2/NDF:21360.8/28

Out: 22.325+/-0.004 χ^2/NDF:19177.8/31

All: 22.312+/-0.003 χ^2/NDF: 40565.5/60



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.219+/-69.413 χ^2/NDF:6.2/13

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 139.744+/-57.137 χ^2/NDF:4.8/12

Left: 142.763+/-44.114 χ^2/NDF: 11.0/26

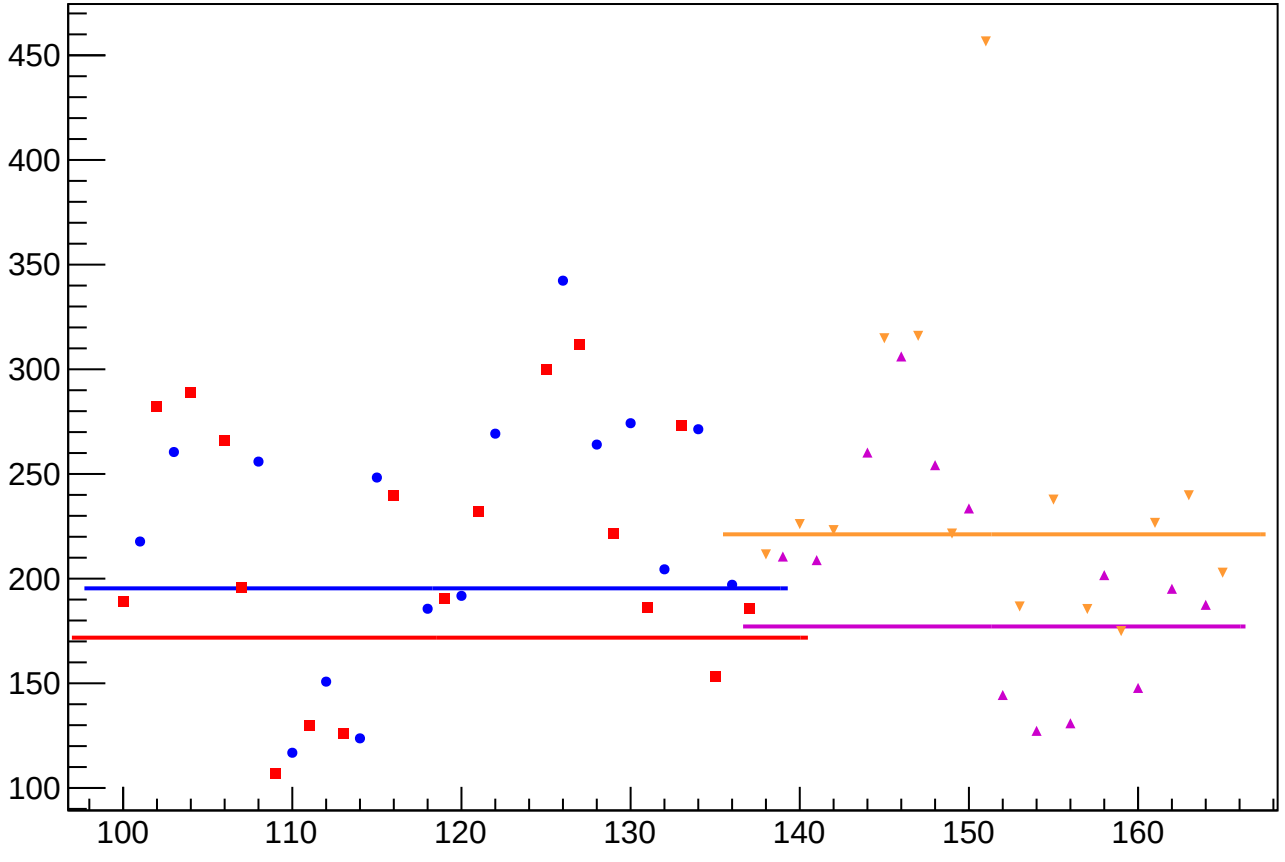
Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 71.606+/-45.842 χ^2/NDF:24.1/28

Out: 2.749+/-48.896 χ^2/NDF:26.3/31

All: 39.395+/-33.443 χ^2/NDF: 51.5/60

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.167+/-0.049 χ^2/NDF:965624.9/13

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

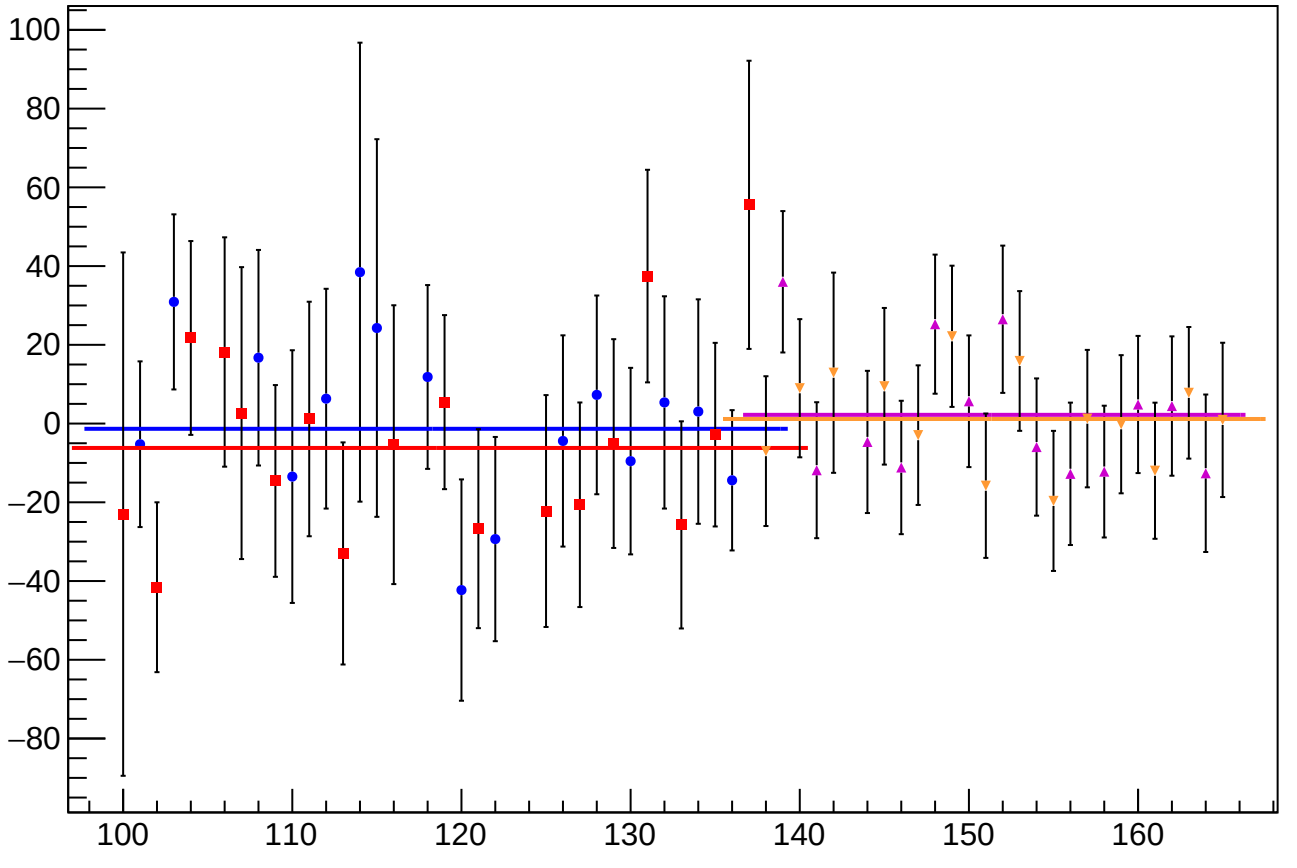
Left: 194.929+/-0.031 χ^2/NDF: 2879169.9/26

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 183.639+/-0.032 χ^2/NDF:2547971.5/28

Out: 196.299+/-0.035 χ^2/NDF:3075839.5/31

All: 189.561+/-0.024 χ^2/NDF: 5695160.3/60



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.164+/-4.895 χ^2/NDF:5.8/13

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 2.216+/-4.906 χ^2/NDF:10.6/12

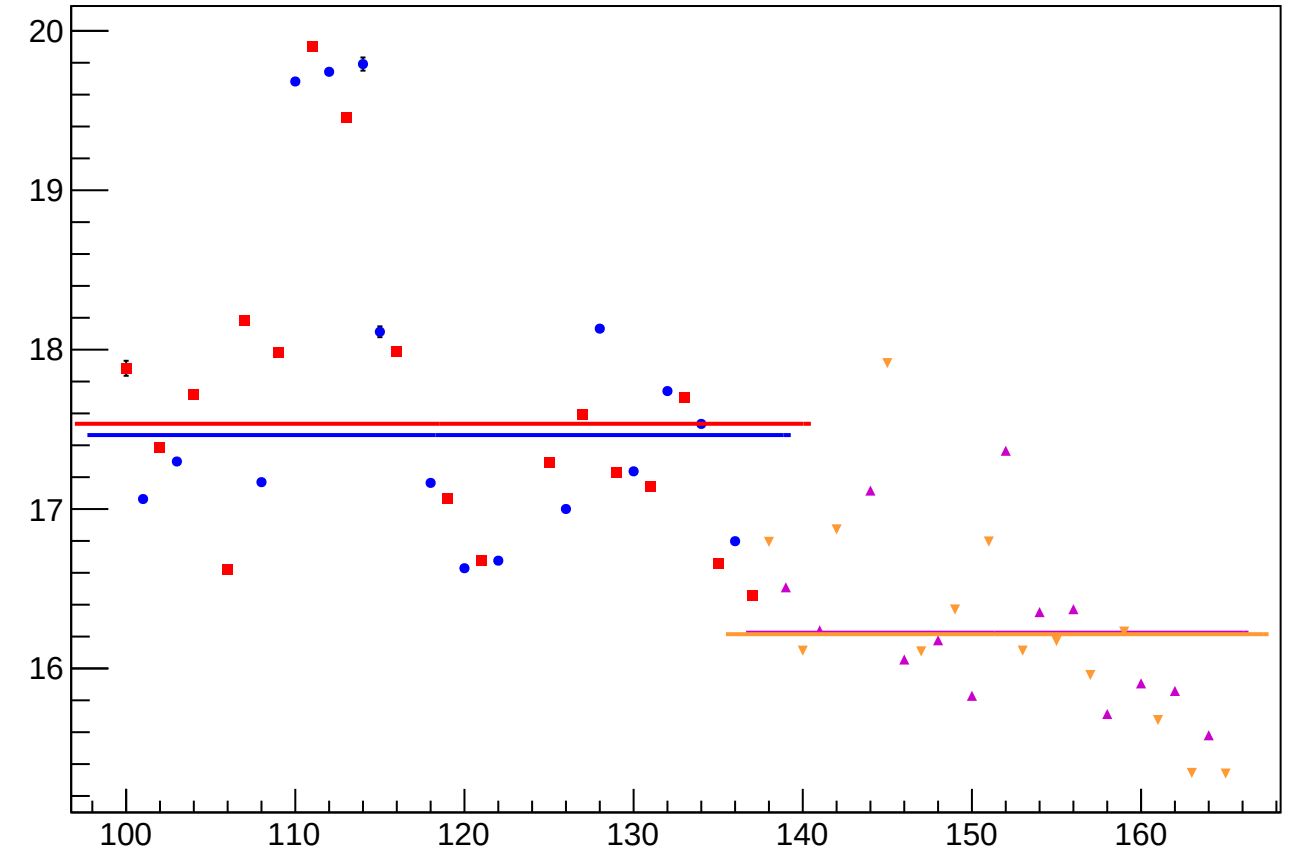
Left: 1.689+/-3.465 χ^2/NDF: 16.5/26

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 0.928+/-3.916 χ^2/NDF:18.8/28

Out: -1.514+/-3.904 χ^2/NDF:20.1/31

All: -0.296+/-2.765 χ^2/NDF: 39.2/60



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.215+/-0.003 χ^2/NDF:31971.4/13

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

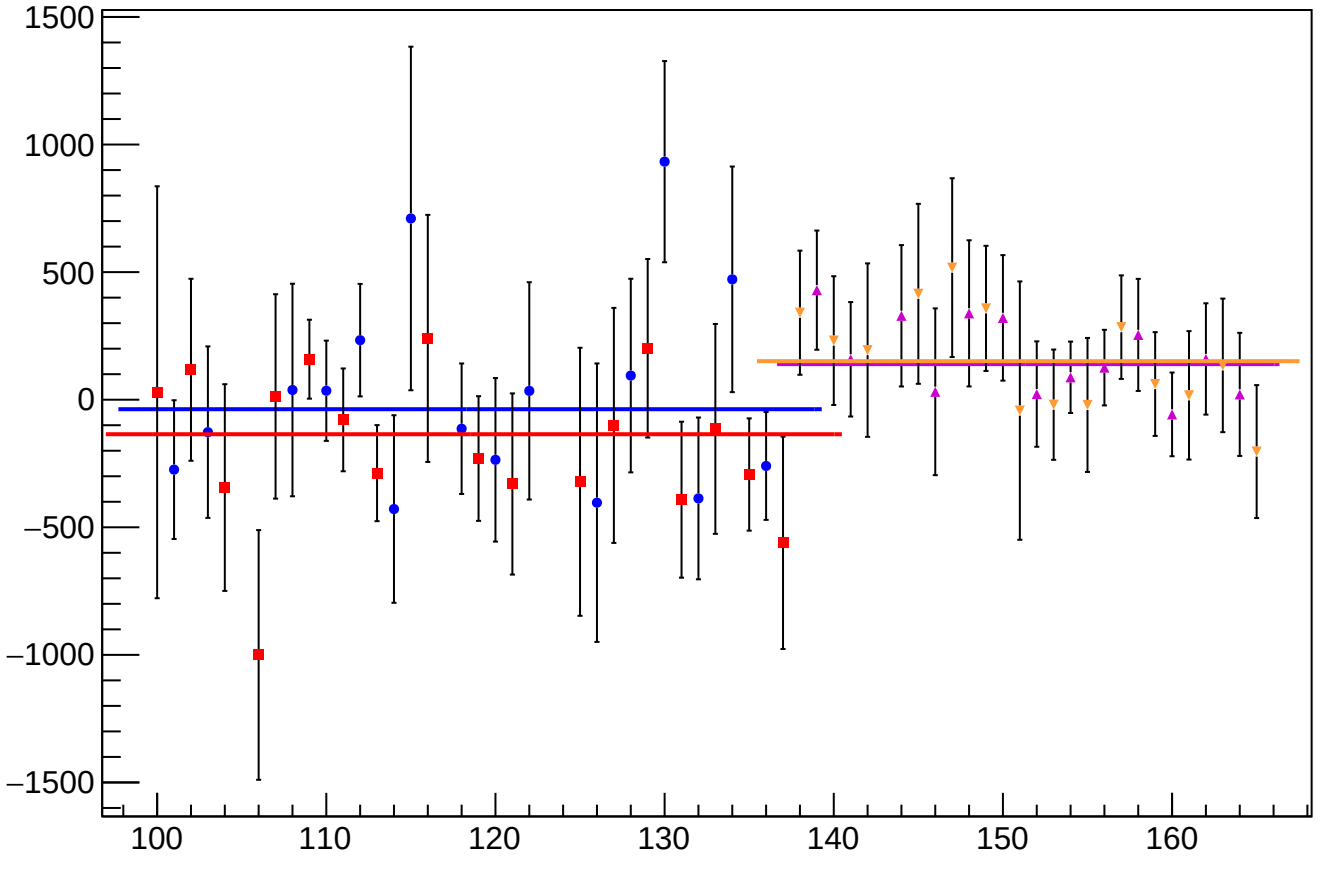
Left: 16.220+/-0.002 χ^2/NDF: 51824.4/26

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.675+/-0.003 χ^2/NDF:102853.7/28

Out: 16.695+/-0.003 χ^2/NDF:119370.3/31

All: 16.685+/-0.002 χ^2/NDF: 222251.8/60



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 151.011+/-69.415 χ^2/NDF:7.1/13

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 139.435+/-57.212 χ^2/NDF:5.6/12

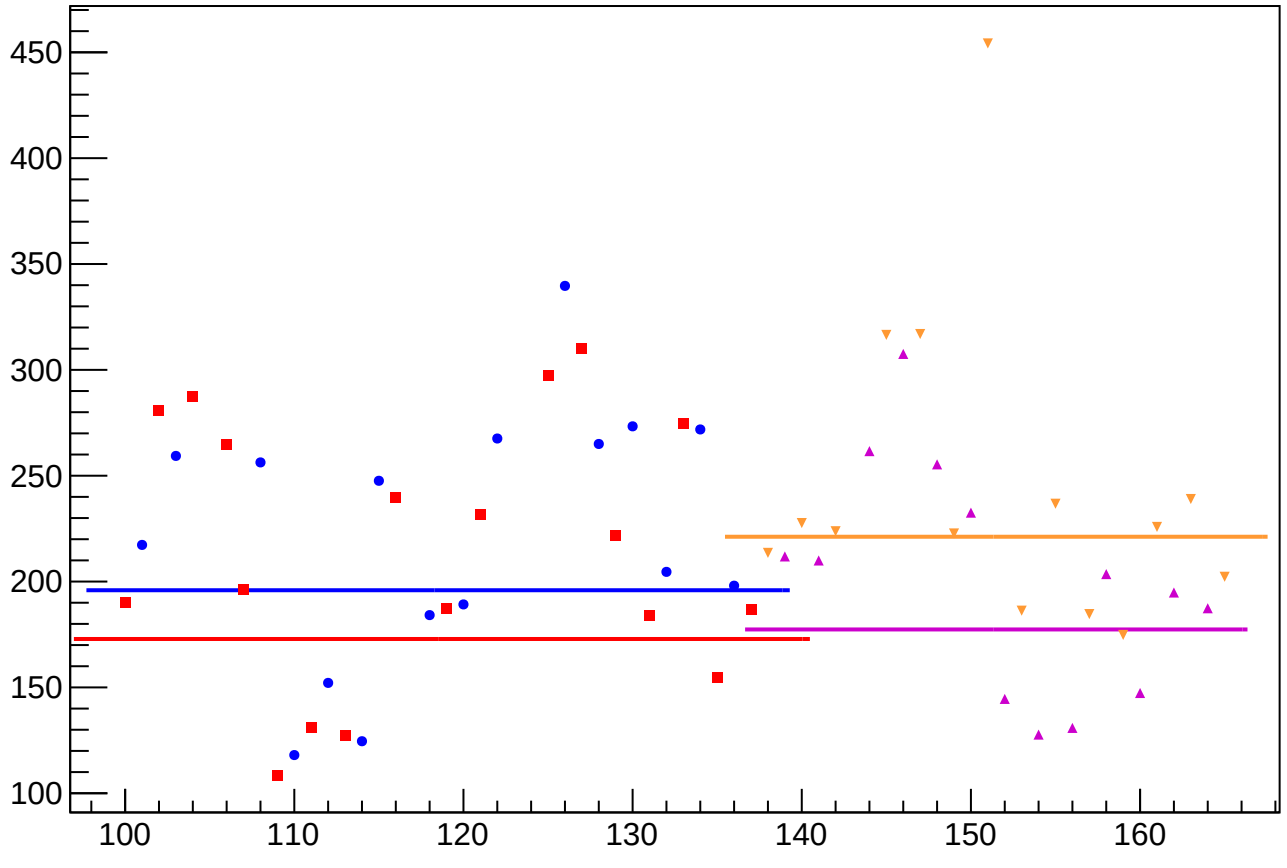
Left: 144.118+/-44.149 χ^2/NDF: 12.7/26

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 76.502+/-45.905 χ^2/NDF:24.6/28

Out: 7.334+/-48.992 χ^2/NDF:28.4/31

All: 44.166+/-33.498 χ^2/NDF: 54.1/60



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.172+/-0.049 χ^2/NDF:971590.1/13

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

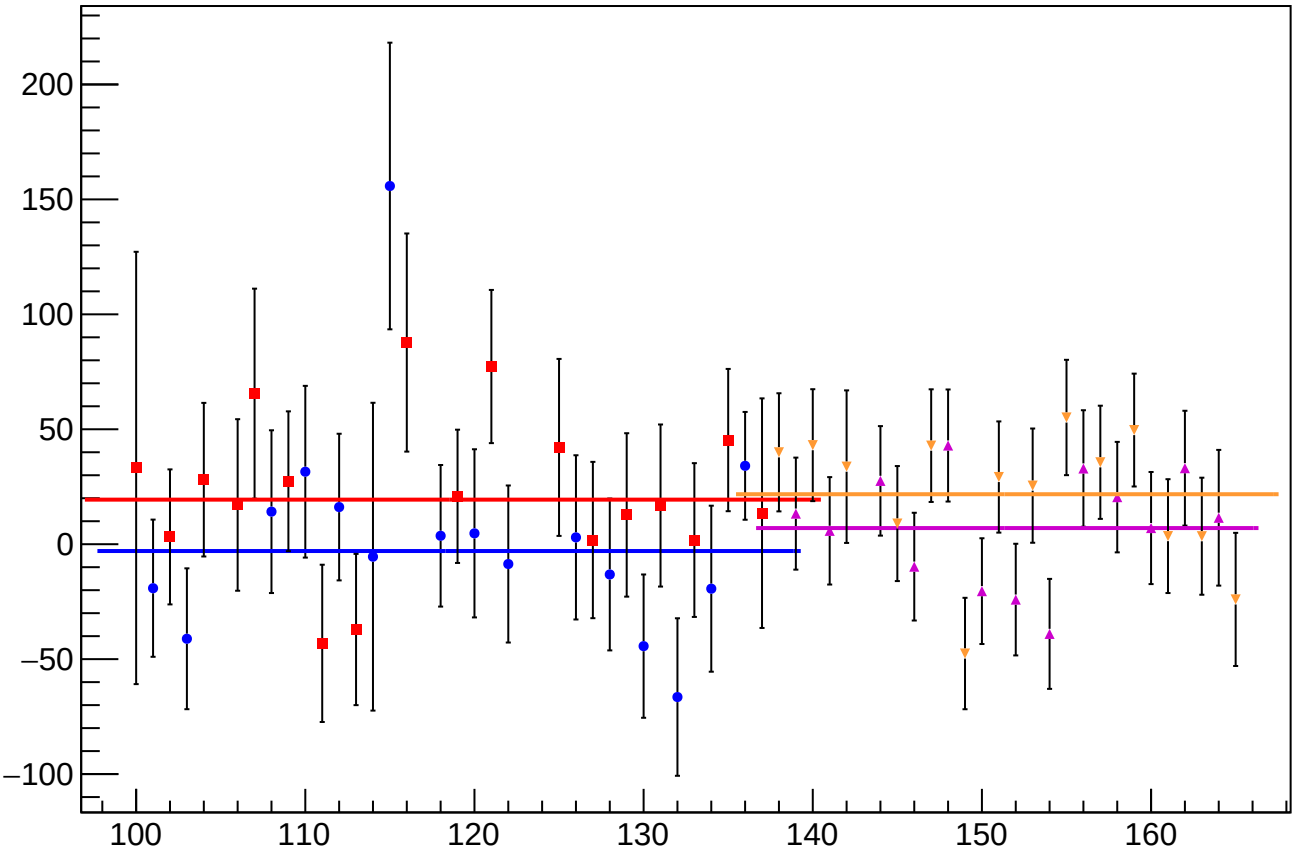
Left: 195.092+/-0.031 χ^2/NDF: 2893630.0/26

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 183.974+/-0.032 χ^2/NDF:2533621.2/28

Out: 196.933+/-0.035 χ^2/NDF:3000799.4/31

All: 190.032+/-0.024 χ^2/NDF: 5608935.8/60



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 21.743+/-6.793 χ^2/NDF:17.6/13

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 7.022+/-6.767 χ^2/NDF:12.7/12

Left: 14.354+/-4.794 χ^2/NDF: 32.7/26

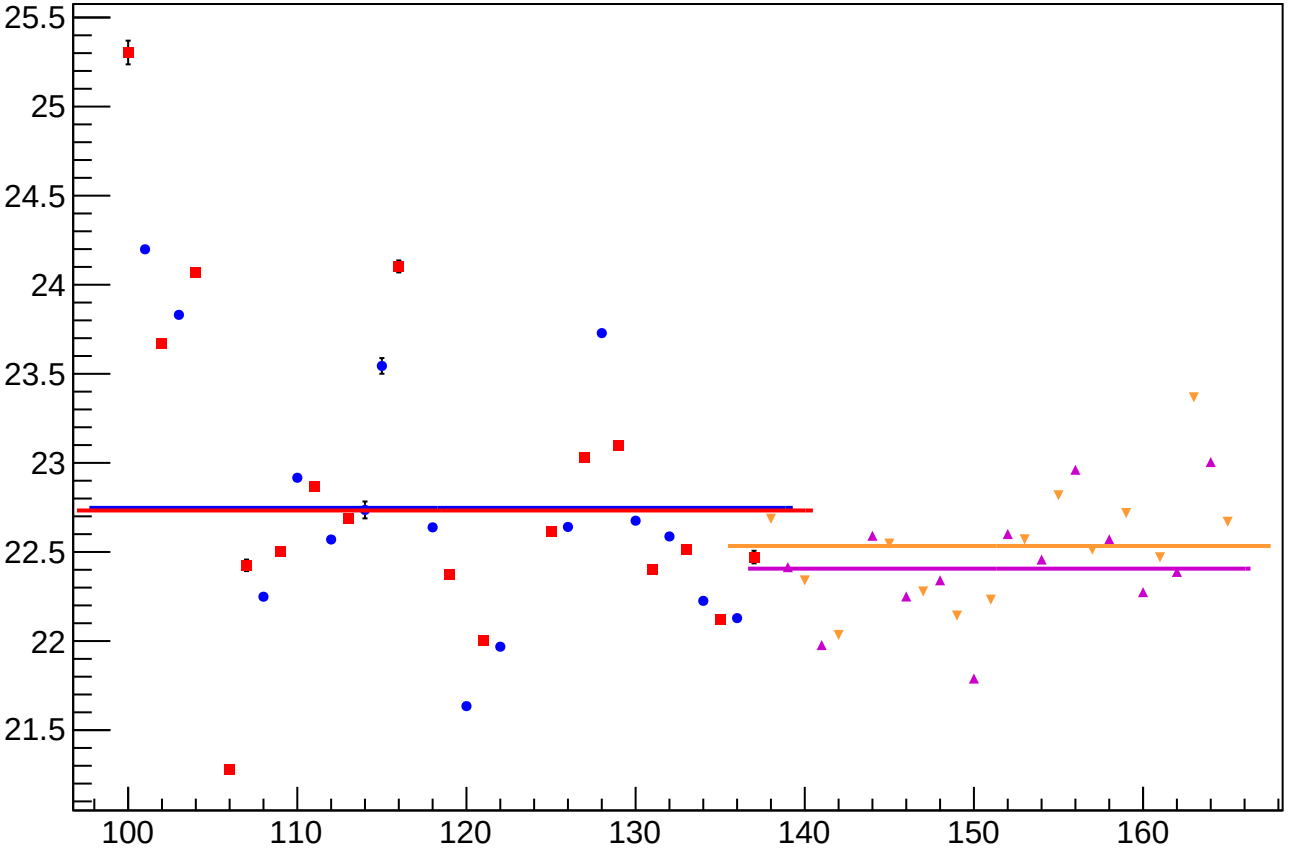
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 3.121+/-5.283 χ^2/NDF:31.5/28

Out: 20.809+/-5.277 χ^2/NDF:32.2/31

All: 11.974+/-3.734 χ^2/NDF: 69.3/60

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: 22.533+/-0.005 χ^2/NDF:4278.4/13

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

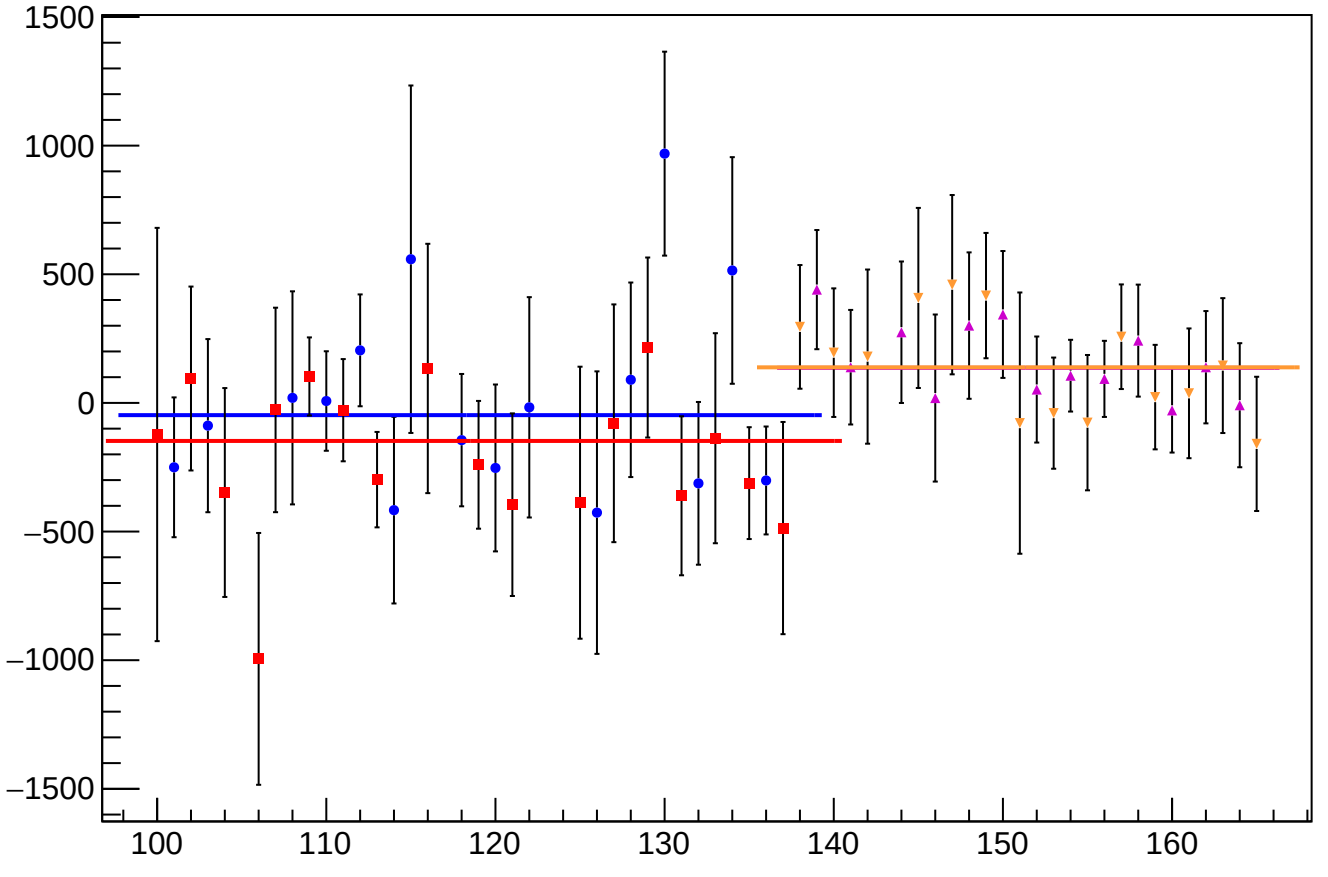
Left: 22.470+/-0.003 χ^2/NDF: 9036.7/26

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.540+/-0.004 χ^2/NDF:21014.0/28

Out: 22.613+/-0.004 χ^2/NDF:19351.5/31

All: 22.576+/-0.003 χ^2/NDF: 40556.5/60



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.254+/-69.260 χ^2/NDF:6.9/13

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 136.323+/-57.027 χ^2/NDF:5.1/12

Left: 137.104+/-44.024 χ^2/NDF: 12.0/26

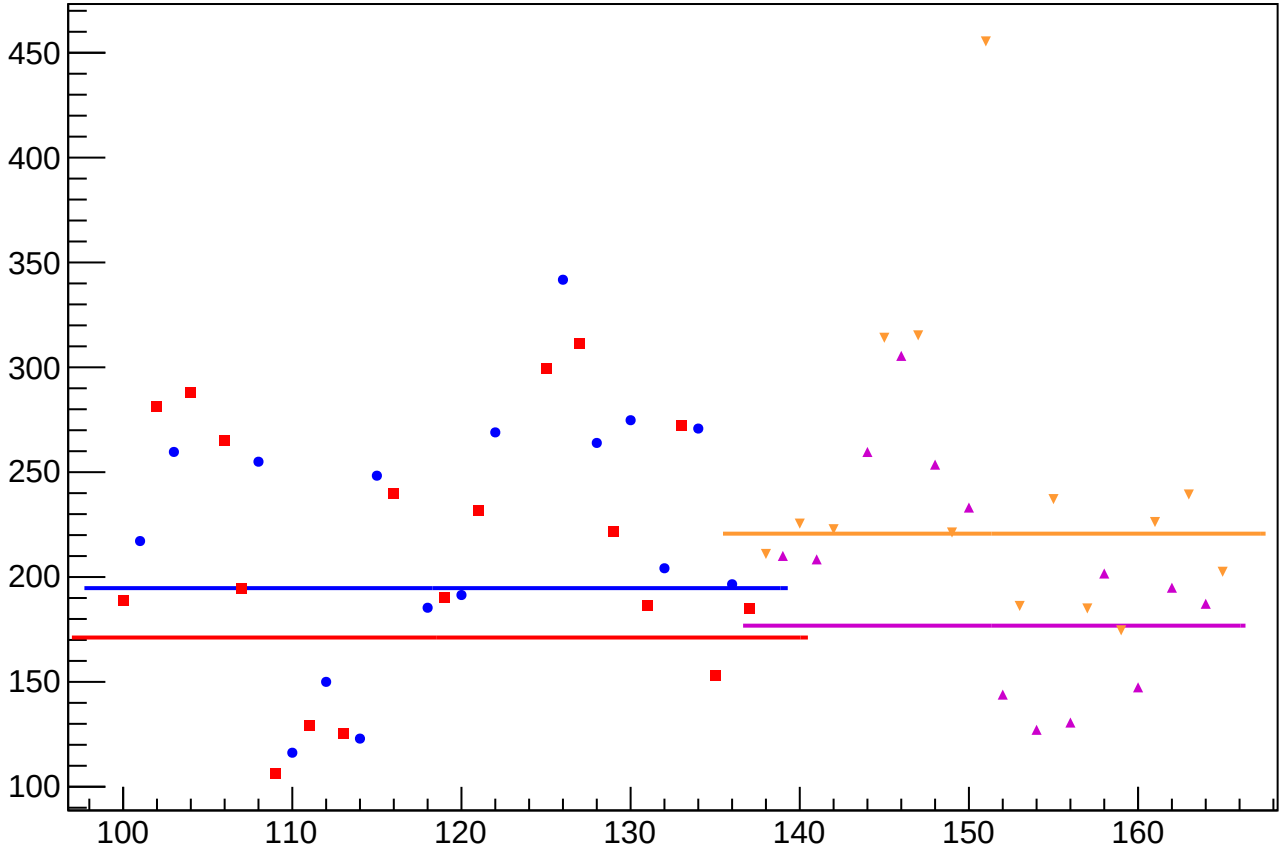
Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 70.731+/-45.737 χ^2/NDF:24.2/28

Out: -6.024+/-48.761 χ^2/NDF:27.0/31

All: 34.807+/-33.359 χ^2/NDF: 52.5/60

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.683+/-0.049 χ^2/NDF:965338.8/13

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

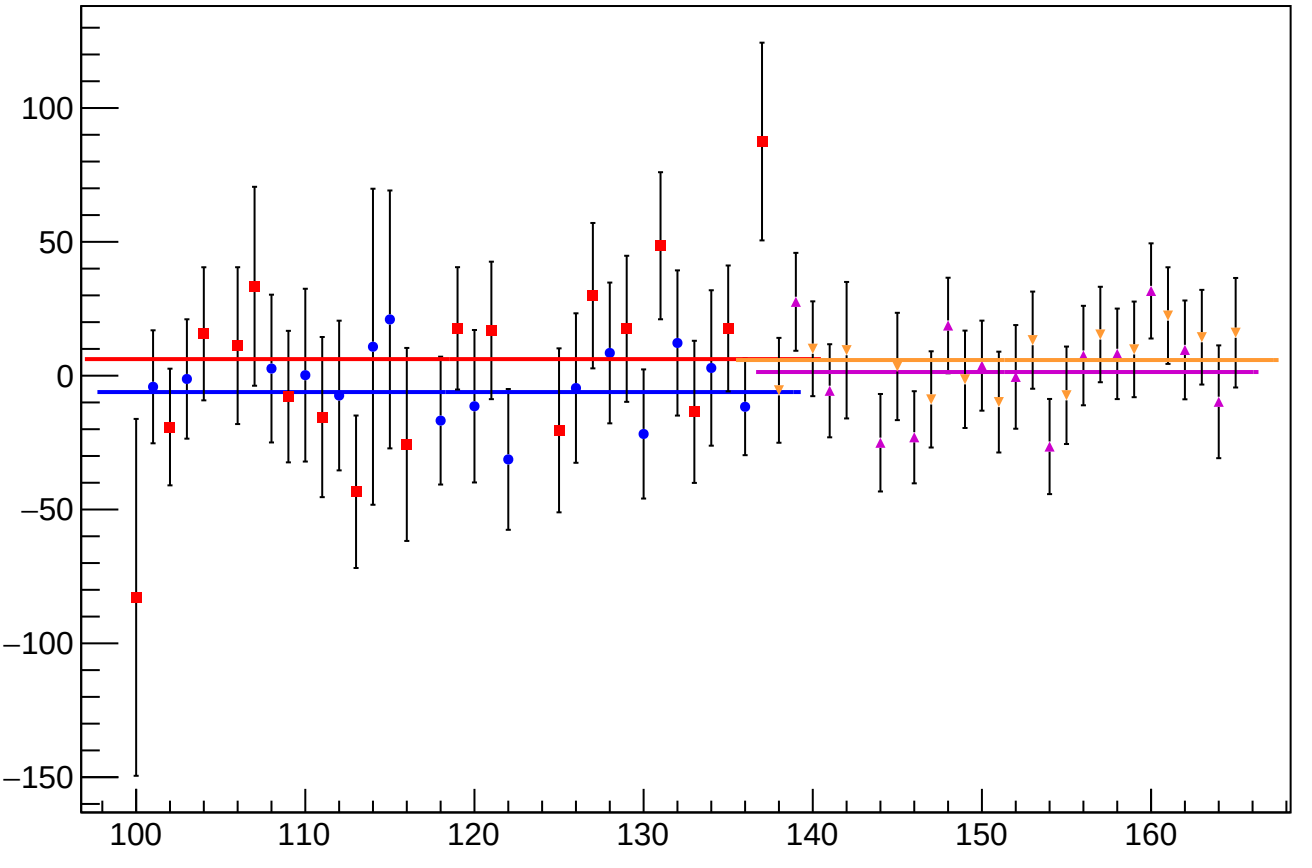
Left: 194.538+/-0.031 χ^2/NDF: 2878165.9/26

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.197+/-0.032 χ^2/NDF:2557139.8/28

Out: 195.704+/-0.034 χ^2/NDF:3093079.7/31

All: 189.051+/-0.024 χ^2/NDF: 5720223.6/60



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.843+/-5.016 χ^2/NDF:4.3/13

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 1.366+/-5.004 χ^2/NDF:13.4/12

Left: 3.599+/-3.543 χ^2/NDF: 18.1/26

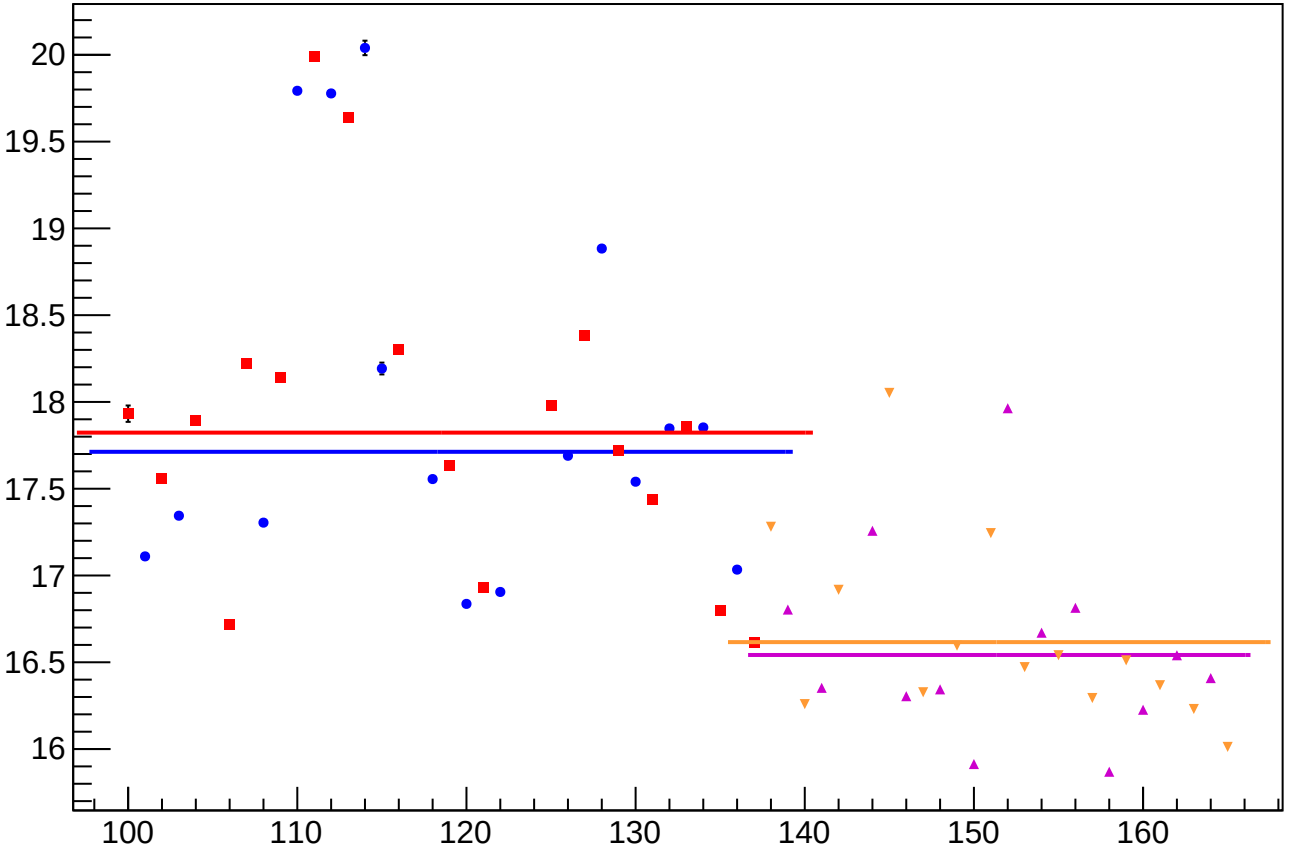
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -1.370+/-3.986 χ^2/NDF:17.4/28

Out: 5.972+/-3.989 χ^2/NDF:22.9/31

All: 2.298+/-2.820 χ^2/NDF: 42.0/60

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: 16.616+/-0.004 χ^2/NDF:20350.7/13

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

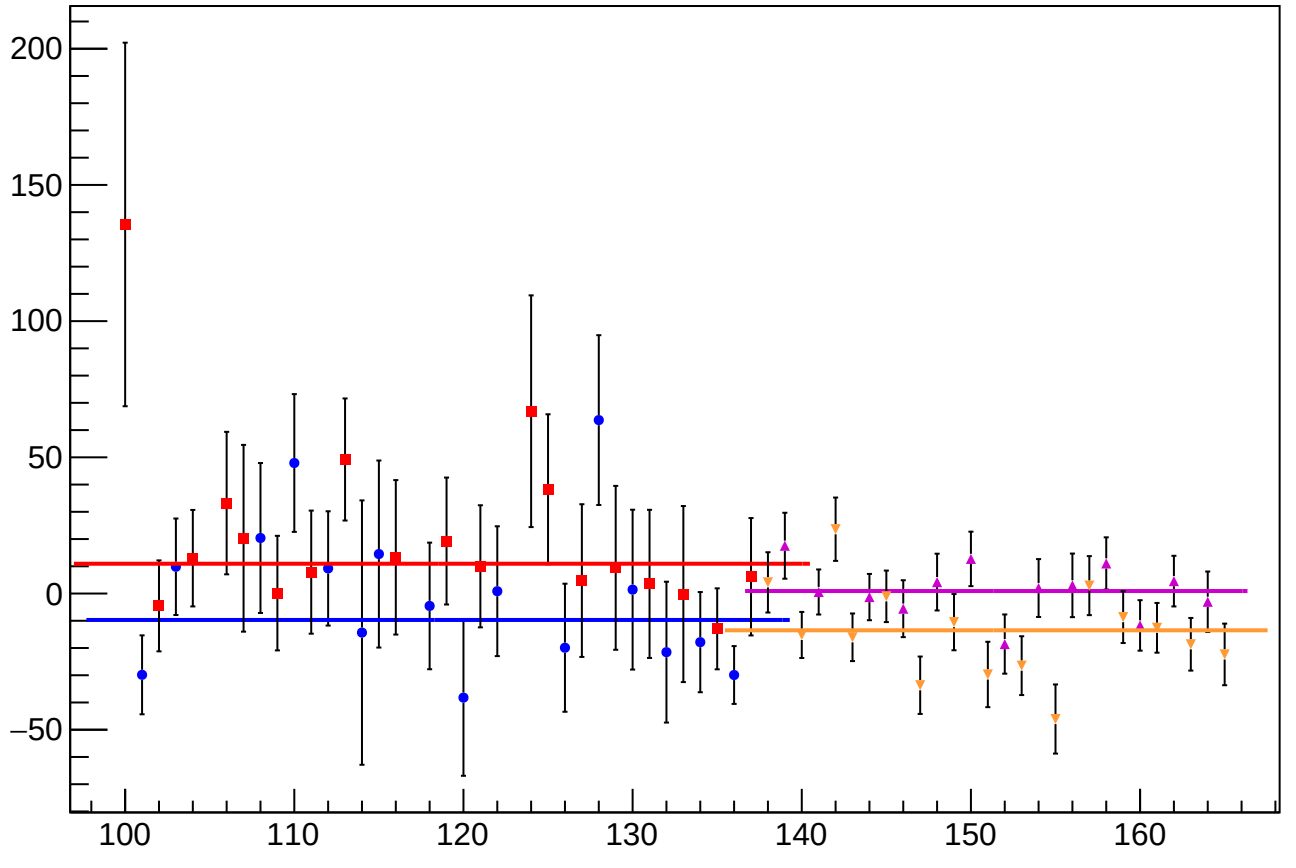
Left: 16.579+/-0.003 χ^2/NDF: 42909.6/26

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 16.970+/-0.003 χ^2/NDF:98335.1/28

Out: 17.060+/-0.003 χ^2/NDF:95415.2/31

All: 17.015+/-0.002 χ^2/NDF: 194257.7/60



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -13.497+/-2.635 χ^2/NDF:31.7/14

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 0.920+/-2.767 χ^2/NDF:10.3/12

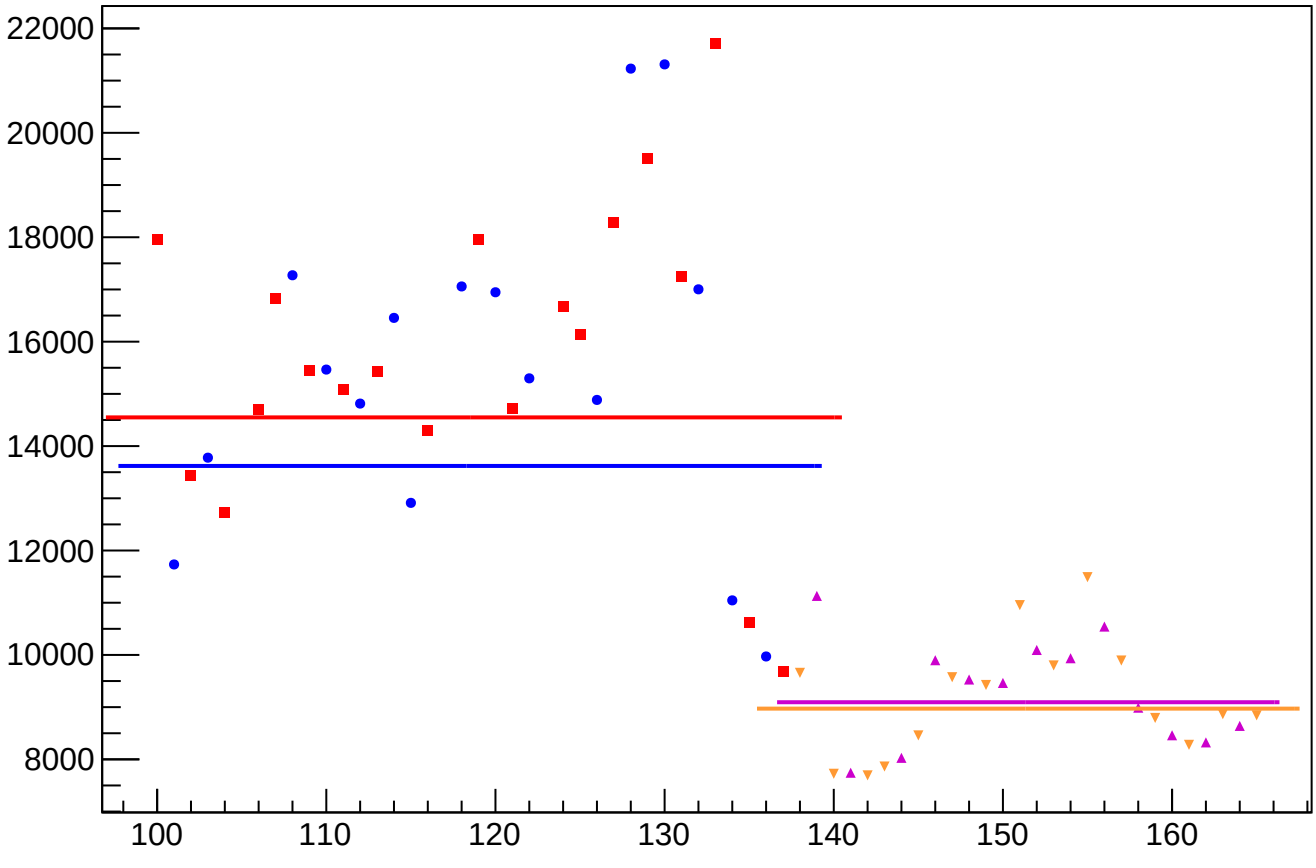
Left: -6.642+/-1.908 χ^2/NDF: 56.2/27

Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -1.402+/-2.446 χ^2/NDF:35.6/28

Out: -8.849+/-2.371 χ^2/NDF:62.1/33

All: -5.242+/-1.702 χ^2/NDF: 102.4/62



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8971.739+/-1.863 χ^2/NDF:296149.7/14

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9094.299+/-1.957 χ^2/NDF:246393.7/12

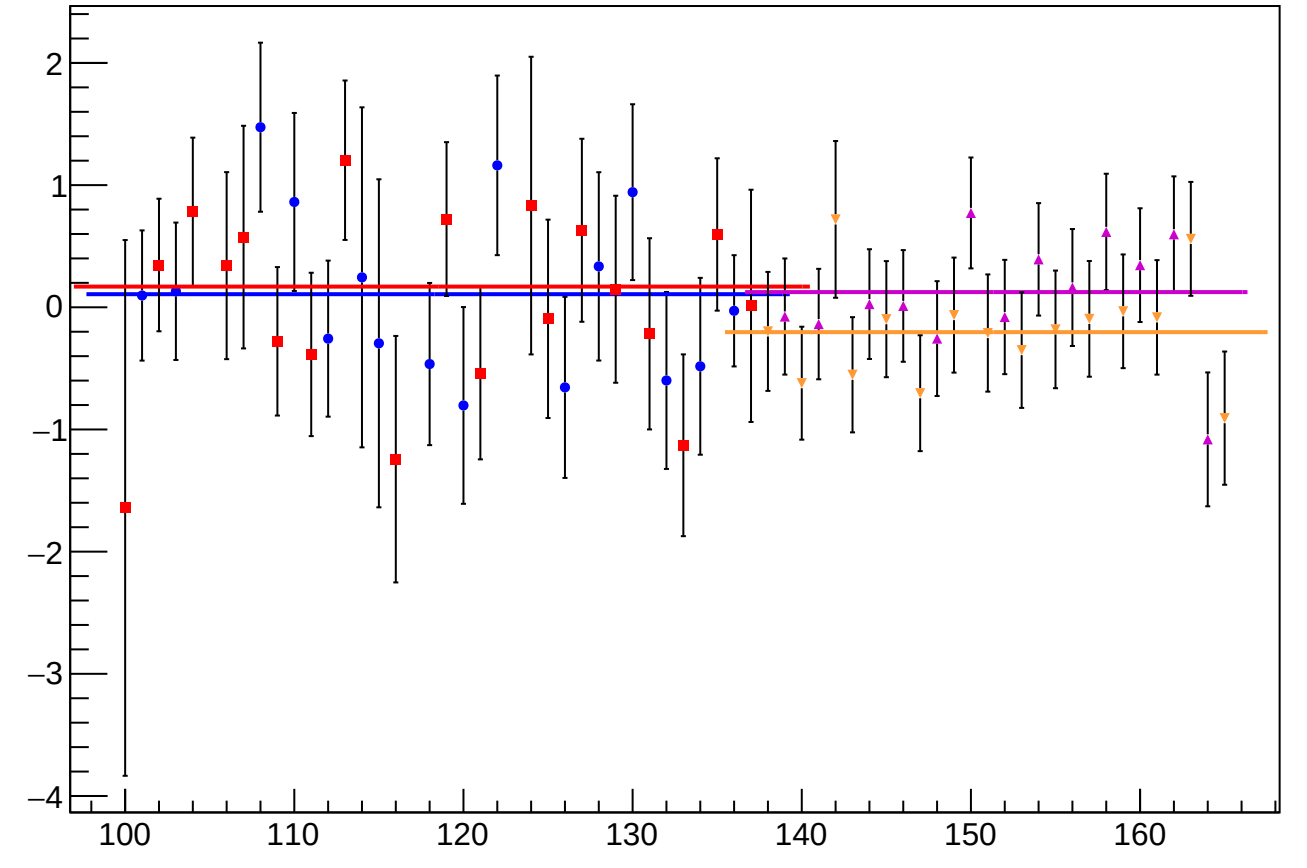
Left: 9030.010+/-1.349 χ^2/NDF: 544601.2/27

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10083.786+/-1.730 χ^2/NDF:2162839.0/28

Out: 10032.702+/-1.676 χ^2/NDF:2557183.0/33

All: 10057.446+/-1.204 χ^2/NDF: 4720471.7/6



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.203+/-0.125 χ^2/NDF:9.4/14

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.124+/-0.130 χ^2/NDF:11.0/12

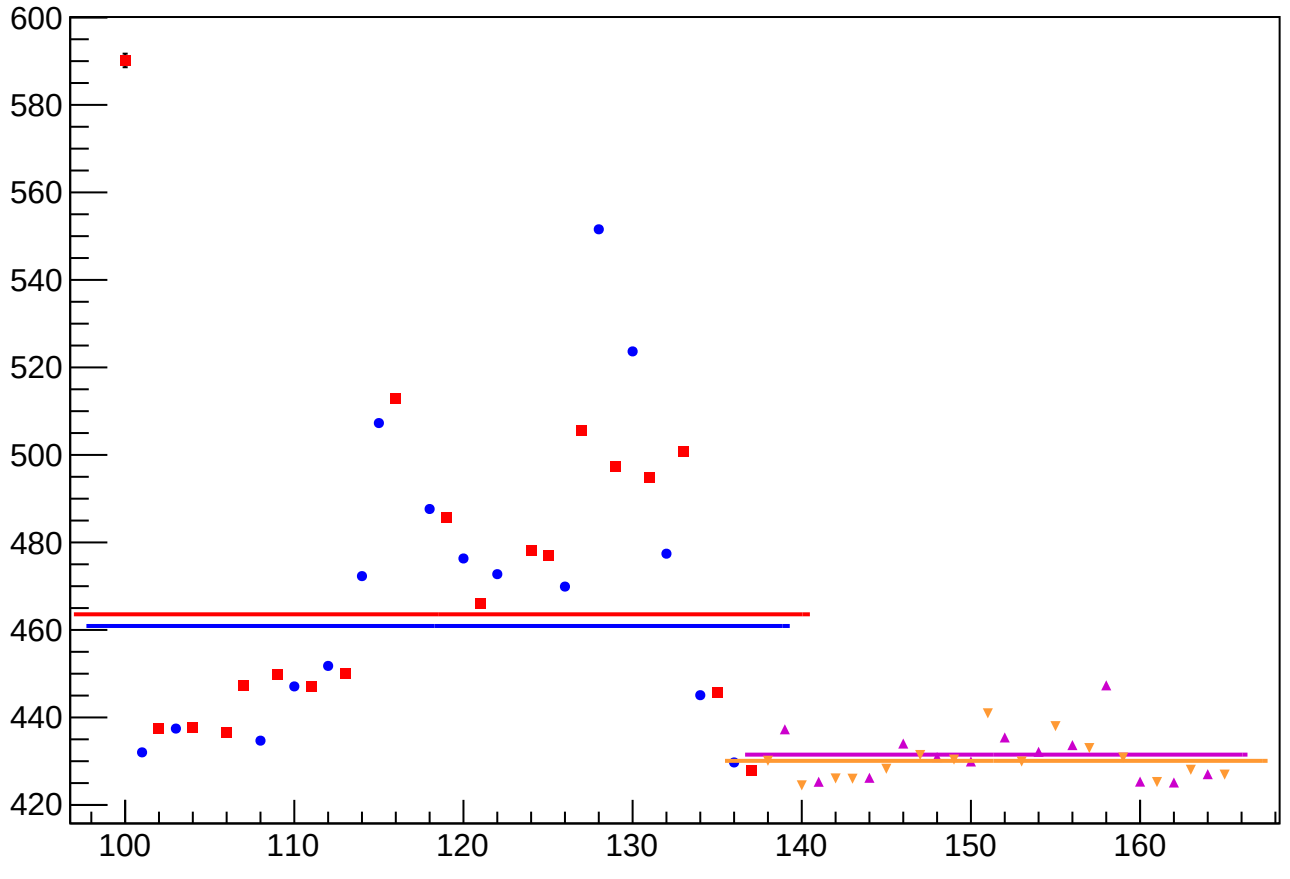
Left: -0.046+/-0.090 χ^2/NDF: 23.7/27

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.118+/-0.104 χ^2/NDF:24.7/28

Out: -0.072+/-0.101 χ^2/NDF:26.6/33

All: 0.020+/-0.072 χ^2/NDF: 53.0/62



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.083+/-0.088 χ^2/NDF:2534.6/14

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.503+/-0.092 χ^2/NDF:4280.0/12

Left: 430.764+/-0.064 χ^2/NDF: 6938.3/27

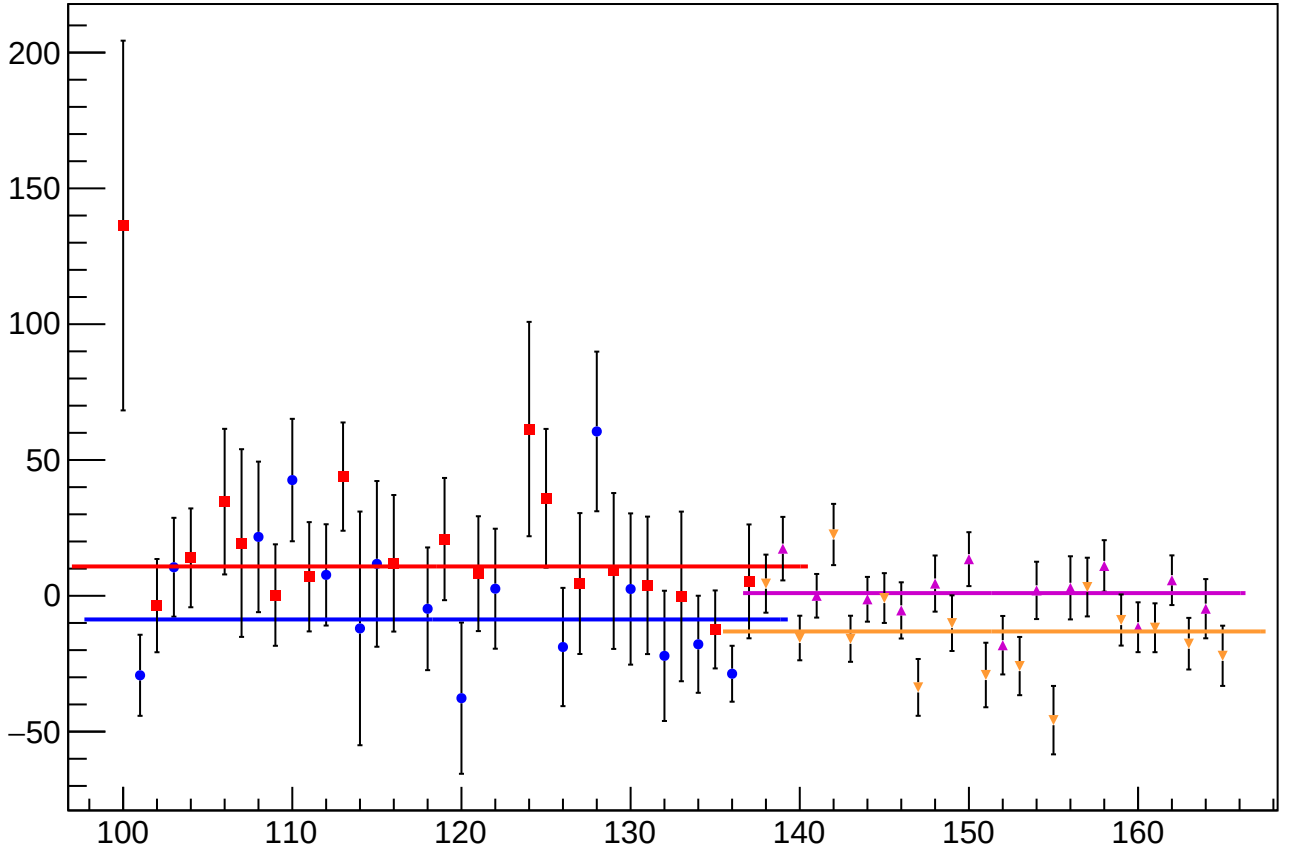
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 442.246+/-0.073 χ^2/NDF:116428.9/28

Out: 441.893+/-0.071 χ^2/NDF:105291.6/33

All: 442.064+/-0.051 χ^2/NDF: 221732.4/62

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -13.126+/-2.587 χ^2/NDF:32.0/14

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 0.991+/-2.724 χ^2/NDF:10.9/12

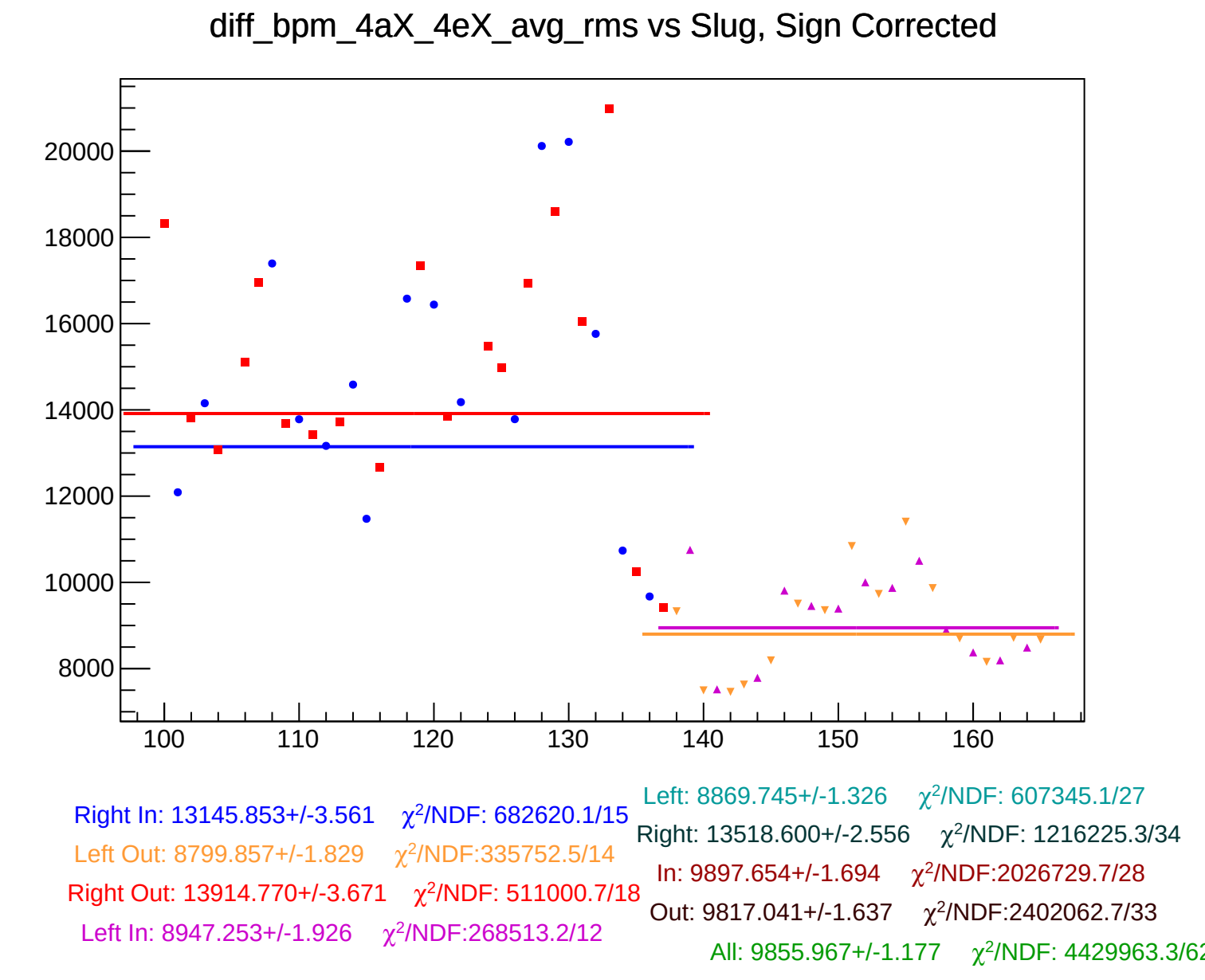
Left: -6.433+/-1.876 χ^2/NDF: 57.0/27

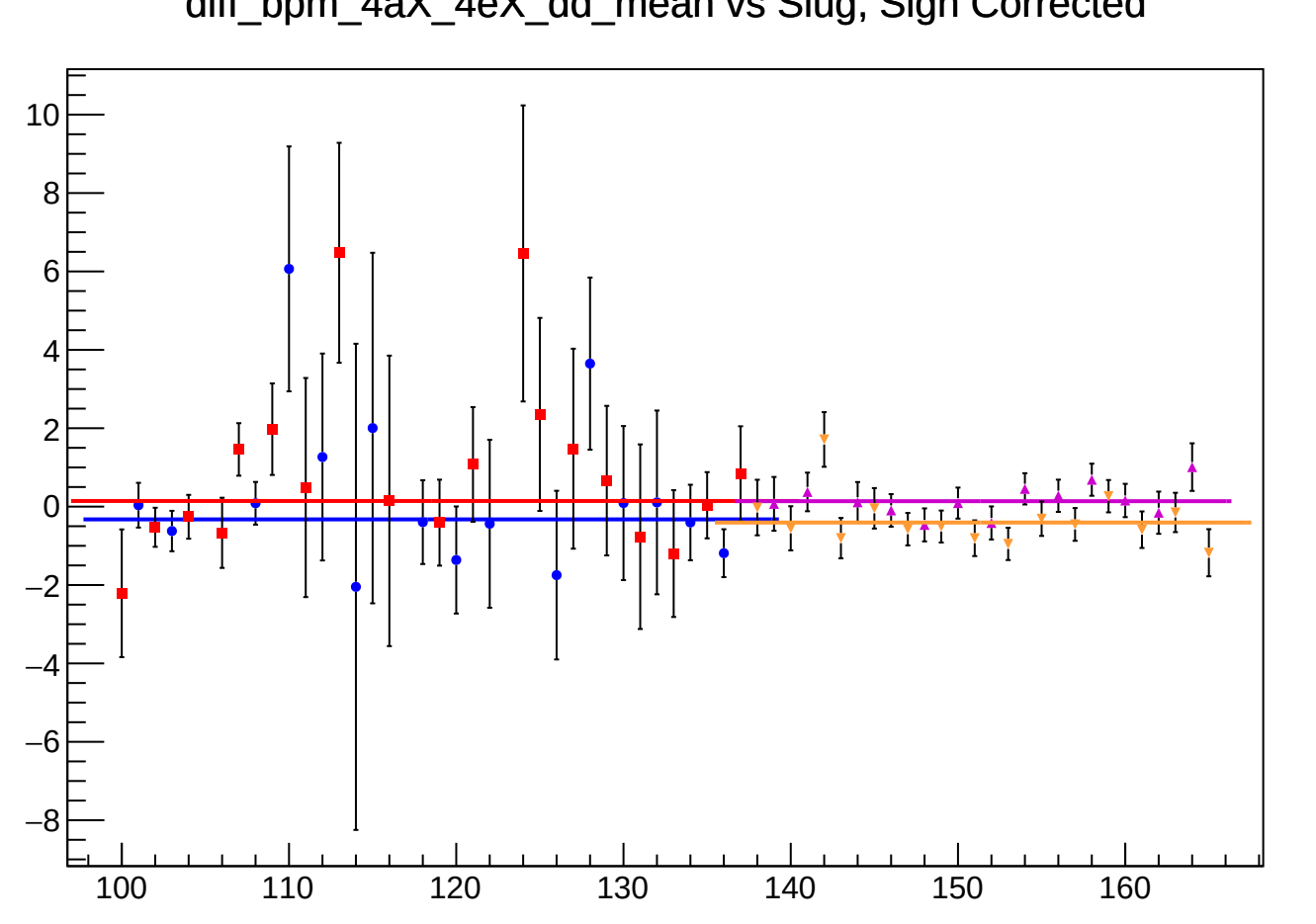
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.204+/-2.396 χ^2/NDF:36.0/28

Out: -8.367+/-2.315 χ^2/NDF:62.9/33

All: -4.908+/-1.665 χ^2/NDF: 103.6/62


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8799.857+/-1.829 χ²/NDF:335752.5/14
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8947.253+/-1.926 χ²/NDF:268513.2/12
Left: 8869.745+/-1.326 χ²/NDF: 607345.1/27
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9897.654+/-1.694 χ²/NDF:2026729.7/28
Out: 9817.041+/-1.637 χ²/NDF:2402062.7/33
All: 9855.967+/-1.177 χ²/NDF: 4429963.3/62



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.406+/-0.124 χ^2/NDF:18.2/14

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.139+/-0.126 χ^2/NDF:9.2/12

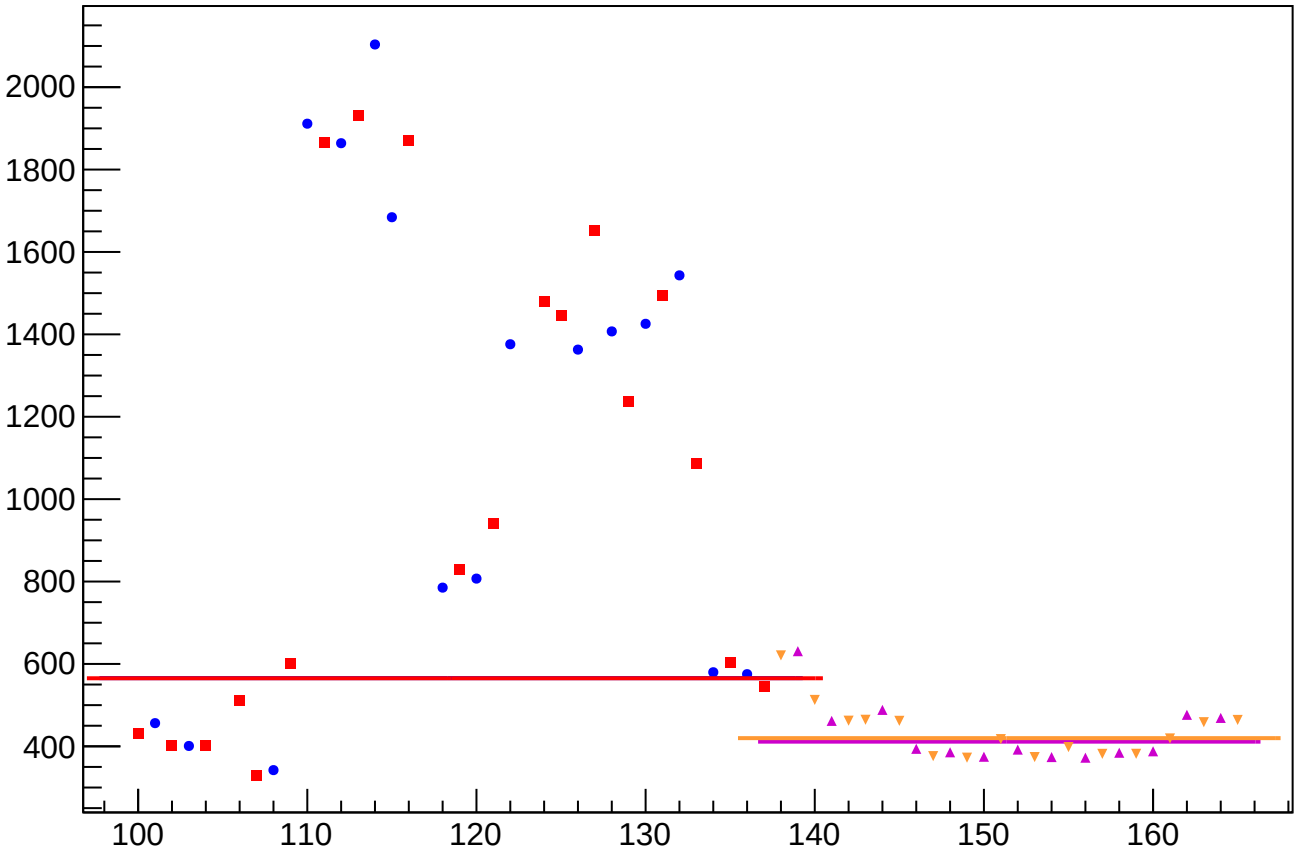
Left: -0.138+/-0.088 χ^2/NDF: 37.0/27

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.042+/-0.112 χ^2/NDF:24.7/28

Out: -0.294+/-0.110 χ^2/NDF:44.7/33

All: -0.128+/-0.078 χ^2/NDF: 74.0/62



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 419.886+/-0.087 χ^2/NDF:386223.1/14

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 411.385+/-0.089 χ^2/NDF:399961.0/12

Left: 415.707+/-0.062 χ^2/NDF: 790835.0/27

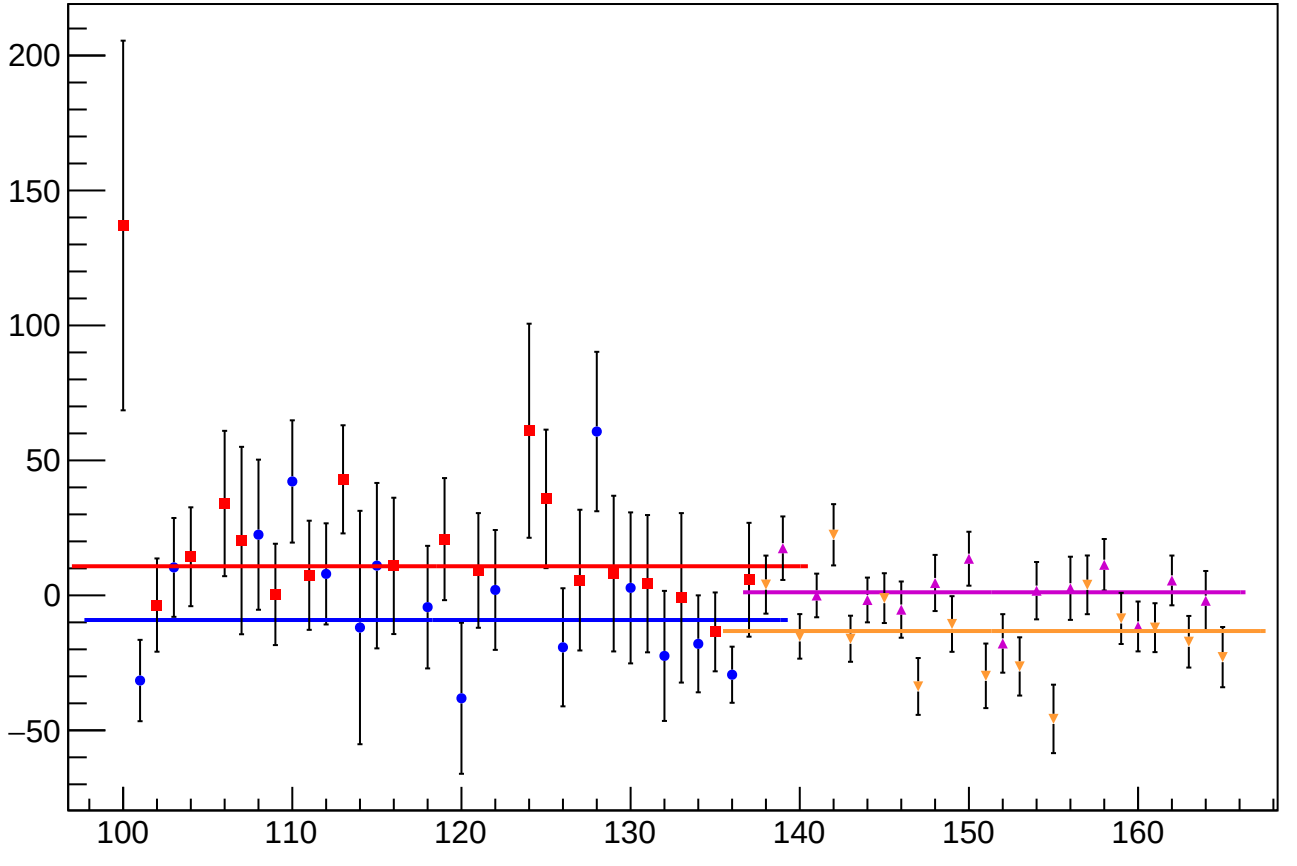
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 443.682+/-0.079 χ^2/NDF:4480808.0/28

Out: 449.494+/-0.078 χ^2/NDF:4521169.9/33

All: 446.626+/-0.056 χ^2/NDF: 9004718.8/62

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -13.216+/-2.603 χ^2/NDF:31.9/14

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.143+/-2.743 χ^2/NDF:10.5/12

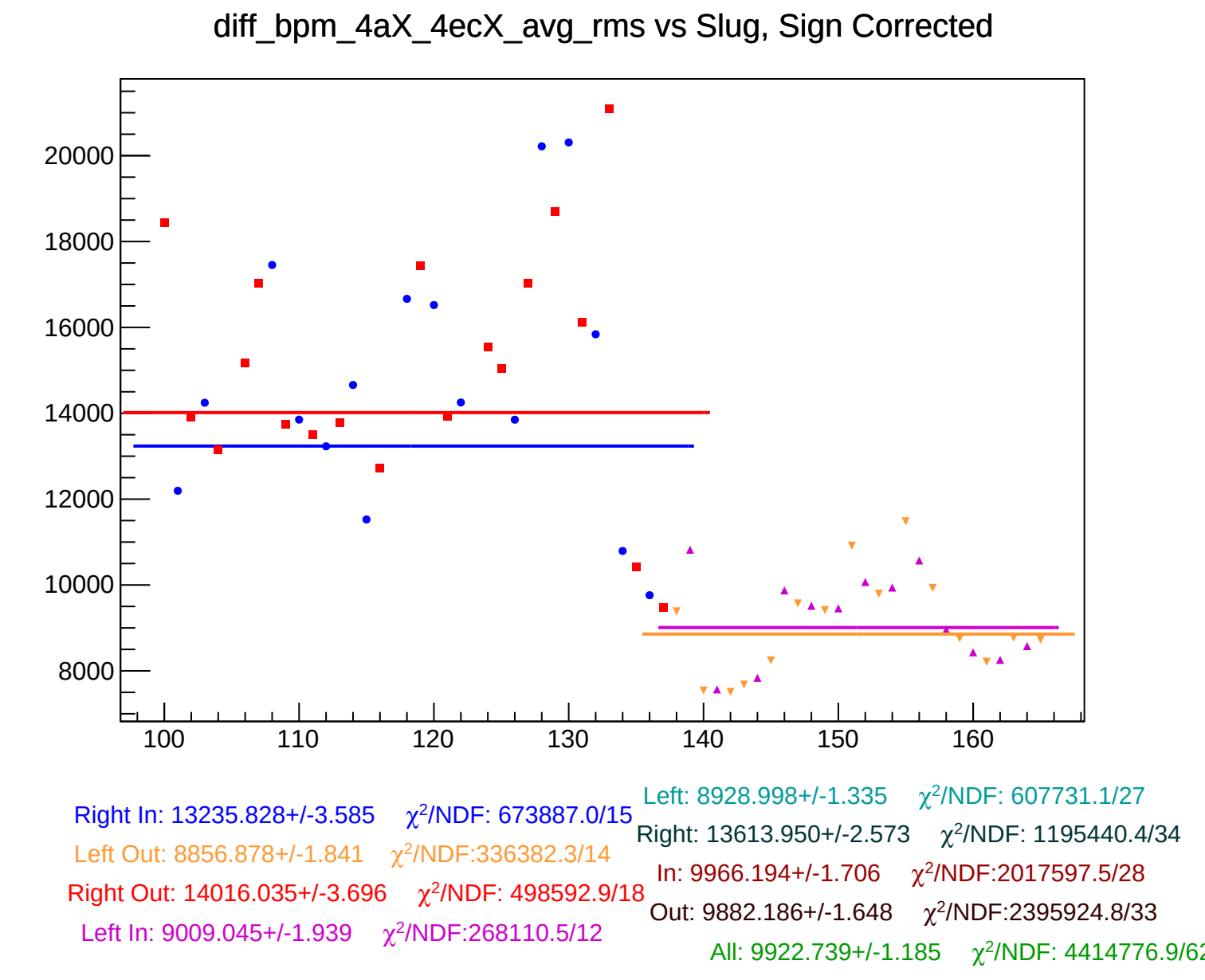
Left: -6.411+/-1.888 χ^2/NDF: 56.8/27

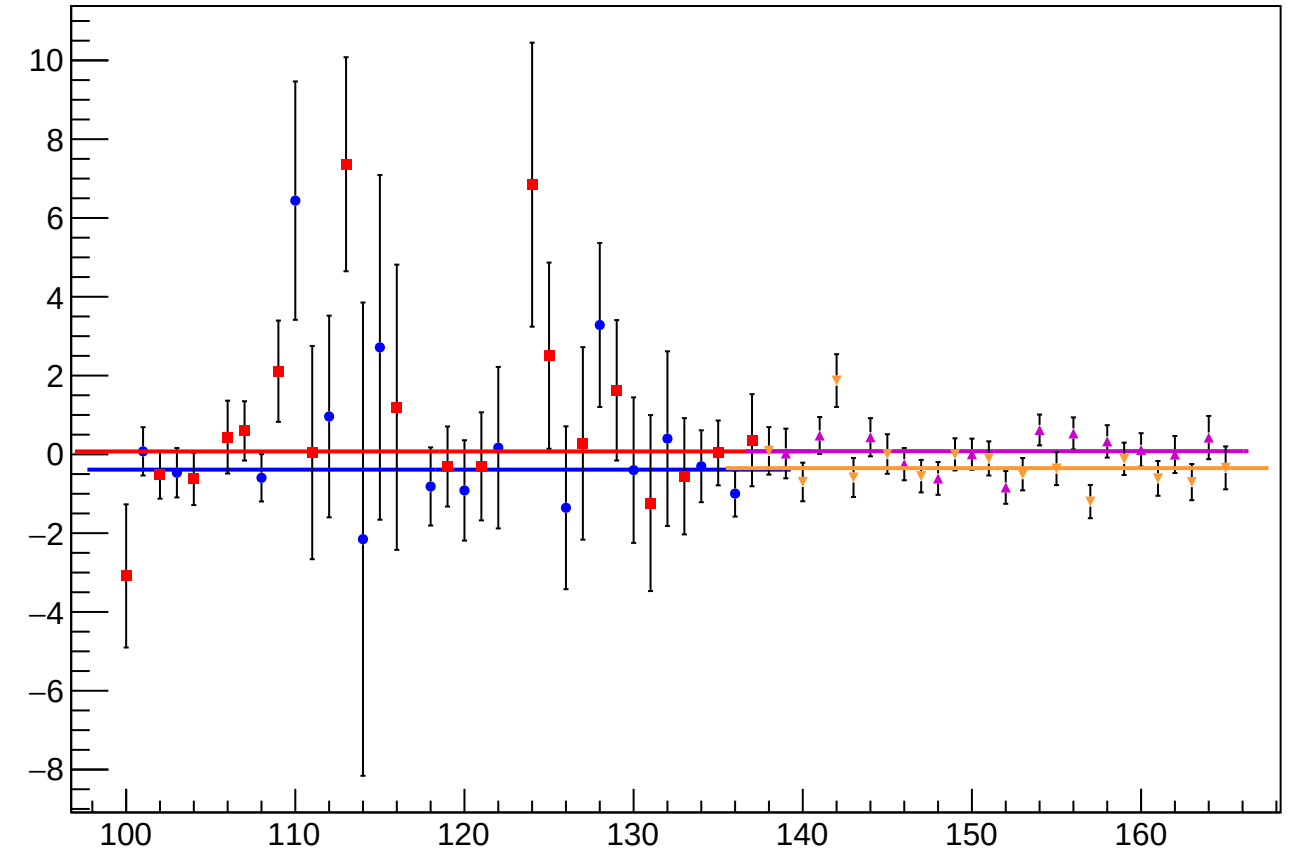
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.183+/-2.412 χ^2/NDF:36.4/28

Out: -8.446+/-2.330 χ^2/NDF:62.5/33

All: -4.940+/-1.676 χ^2/NDF: 103.6/62


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8856.878+/-1.841 χ²/NDF:336382.3/14
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9009.045+/-1.939 χ²/NDF:268110.5/12
Left: 8928.998+/-1.335 χ²/NDF: 607731.1/27
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9966.194+/-1.706 χ²/NDF:2017597.5/28
Out: 9882.186+/-1.648 χ²/NDF:2395924.8/33
All: 9922.739+/-1.185 χ²/NDF: 4414776.9/62



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.119 χ^2/NDF:19.6/14

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.081+/-0.122 χ^2/NDF:13.5/12

Left: -0.140+/-0.085 χ^2/NDF: 39.5/27

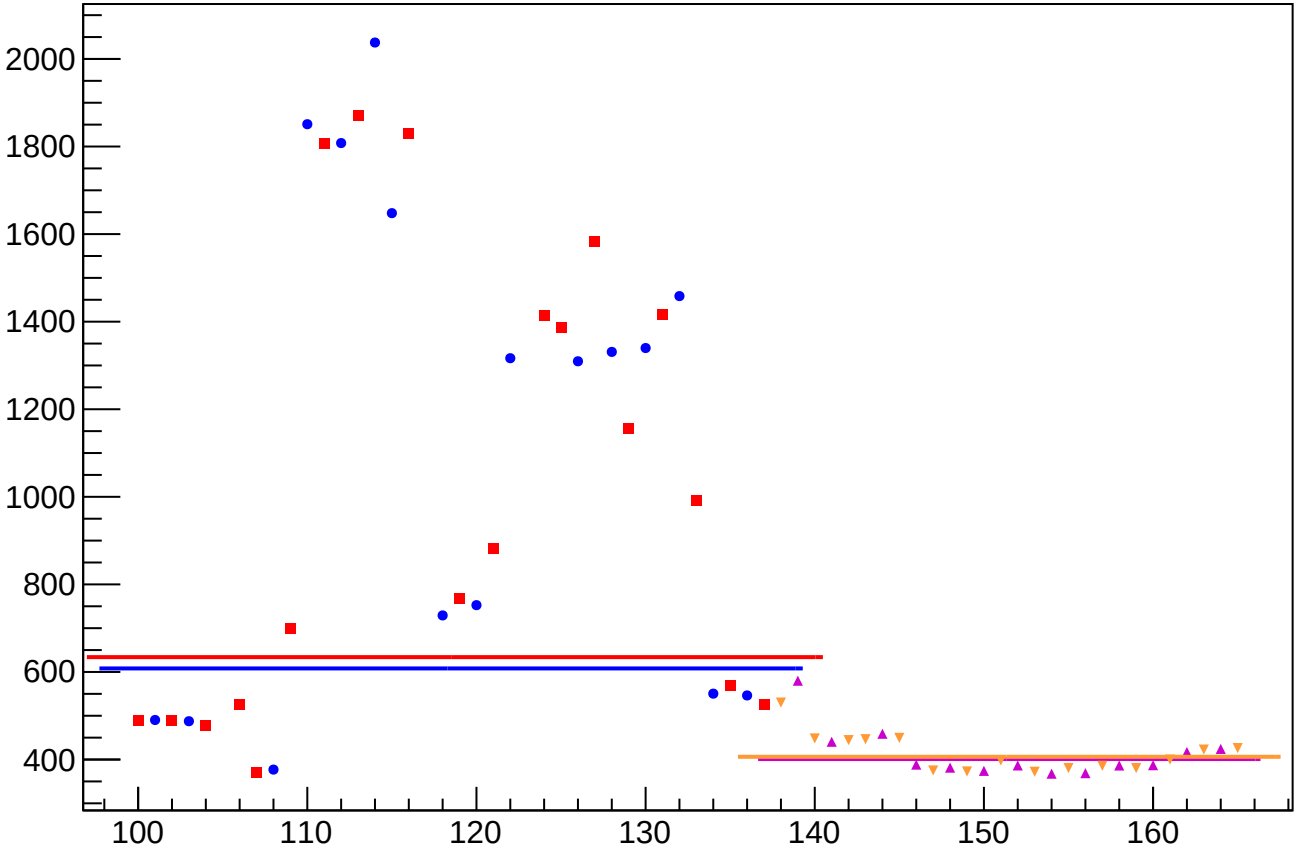
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.006+/-0.110 χ^2/NDF:27.9/28

Out: -0.278+/-0.108 χ^2/NDF:43.4/33

All: -0.144+/-0.077 χ^2/NDF: 74.4/62

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 406.273+/-0.084 χ^2/NDF:198836.2/14

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 401.148+/-0.086 χ^2/NDF:259579.4/12

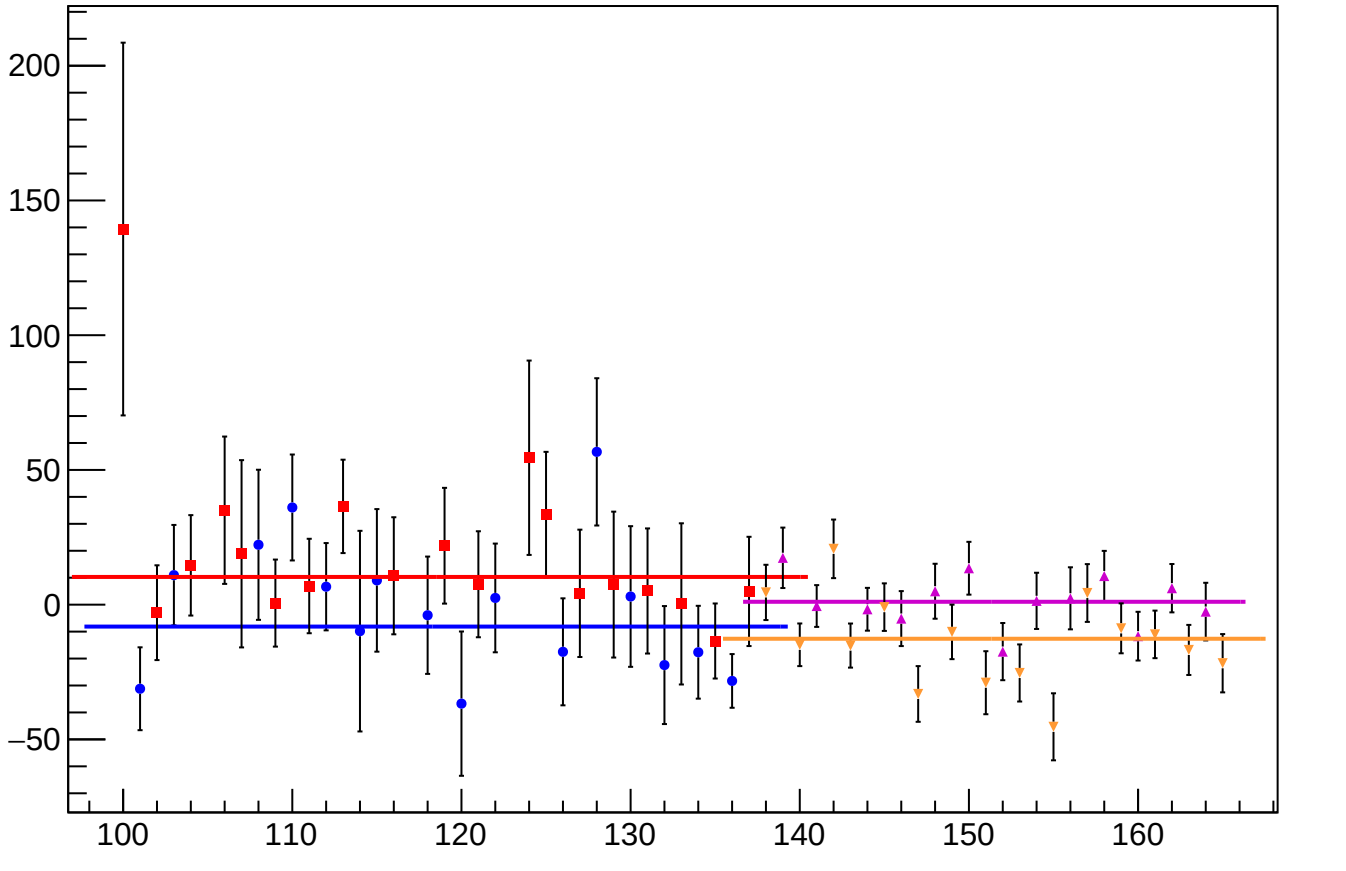
Left: 403.779+/-0.060 χ^2/NDF: 460225.9/27

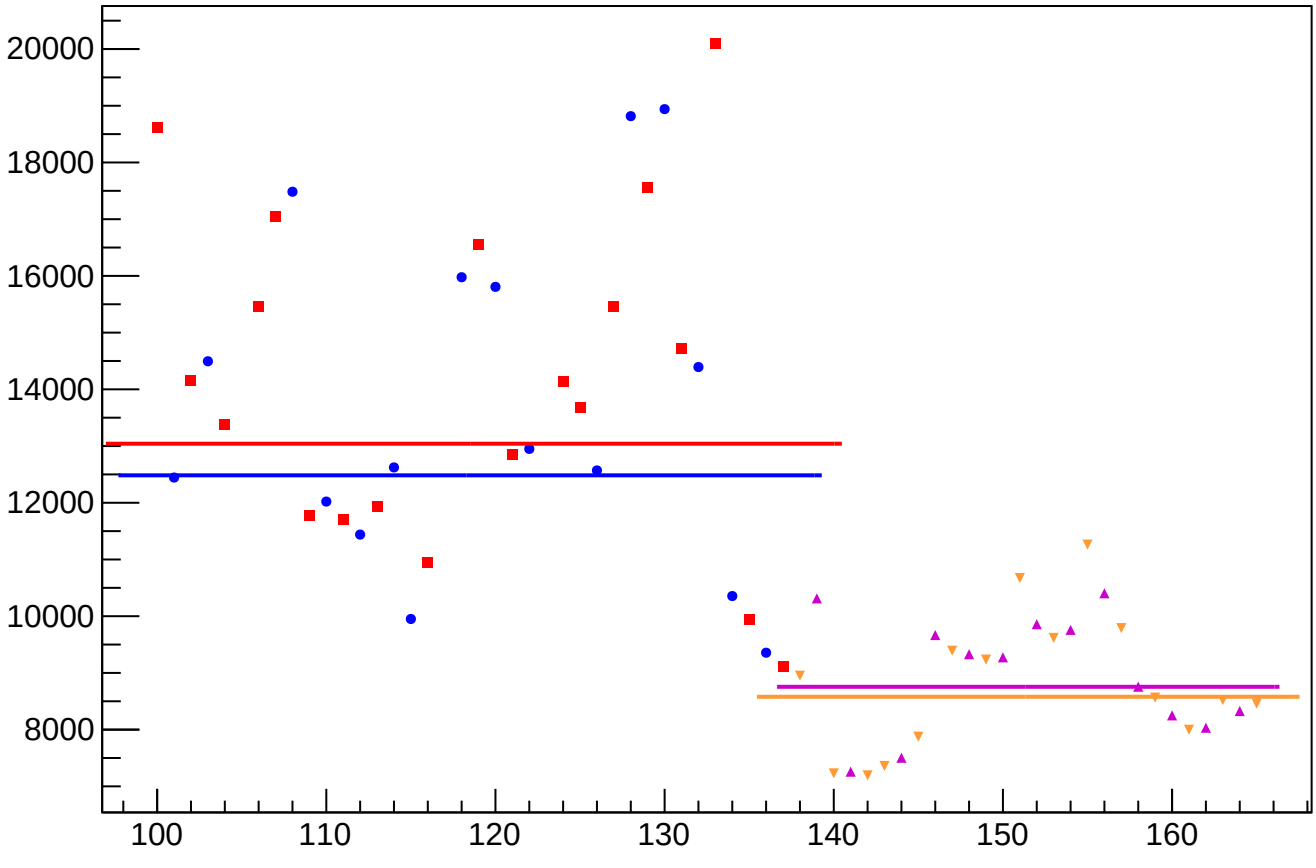
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 439.541+/-0.078 χ^2/NDF:4178920.5/28

Out: 444.480+/-0.077 χ^2/NDF:4219510.3/33

All: 442.050+/-0.055 χ^2/NDF: 8400473.8/62


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -12.650+/-2.525 χ²/NDF:32.1/14
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 1.070+/-2.667 χ²/NDF:10.9/12
Left: -6.167+/-1.833 χ²/NDF: 57.0/27
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -1.116+/-2.329 χ²/NDF:36.9/28
Out: -7.797+/-2.242 χ²/NDF:63.2/33
All: -4.584+/-1.615 χ²/NDF: 104.4/62



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8579.727+/-1.785 χ^2/NDF:382360.7/14

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8755.284+/-1.886 χ^2/NDF:294291.1/12

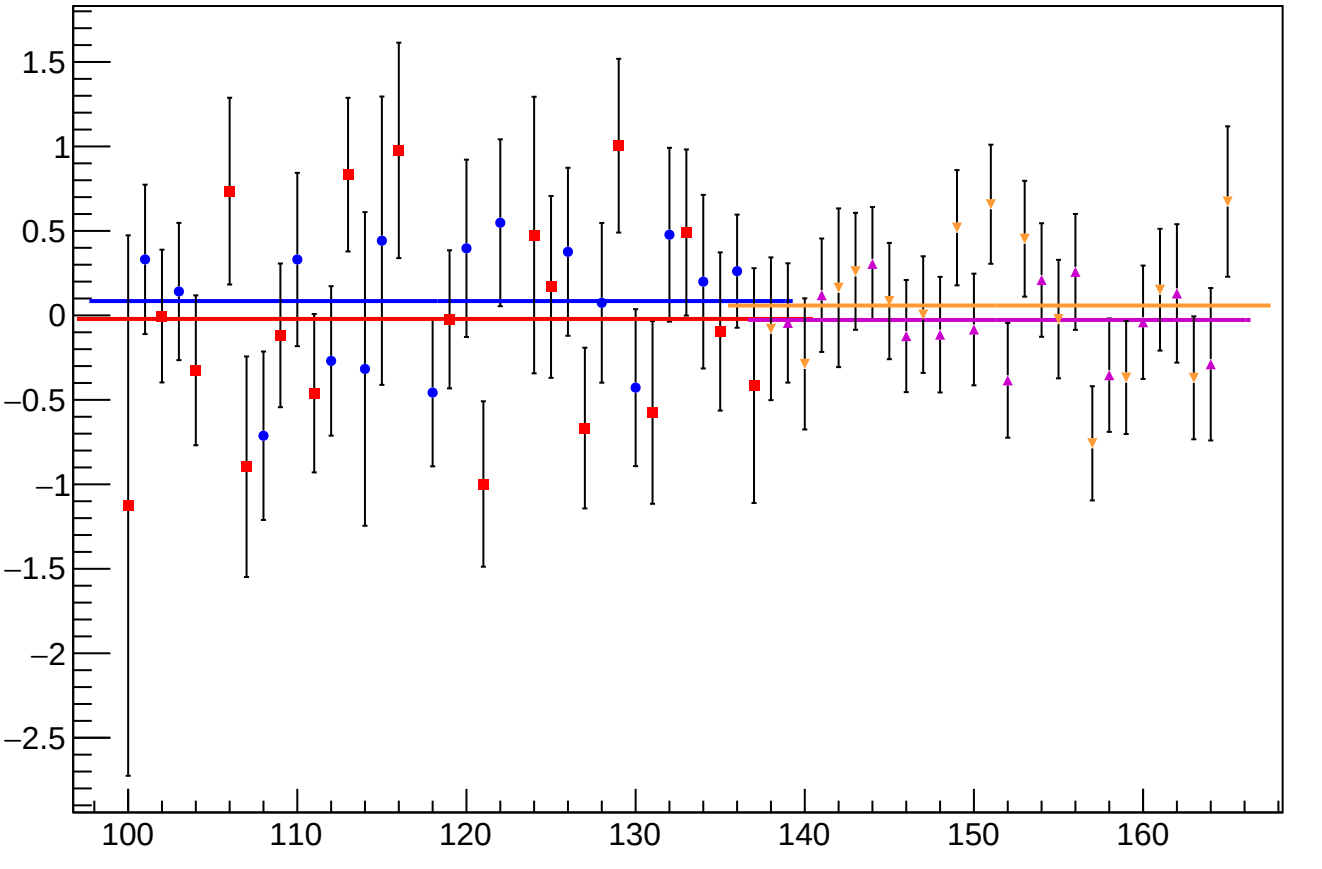
Left: 8662.693+/-1.296 χ^2/NDF: 681222.3/27

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9640.747+/-1.647 χ^2/NDF:1894181.6/28

Out: 9523.697+/-1.585 χ^2/NDF:2248413.0/33

All: 9579.988+/-1.142 χ^2/NDF: 4145217.0/62



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.059+/-0.094 χ^2/NDF:18.2/14

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.027+/-0.097 χ^2/NDF:5.1/12

Left: 0.017+/-0.067 χ^2/NDF: 23.7/27

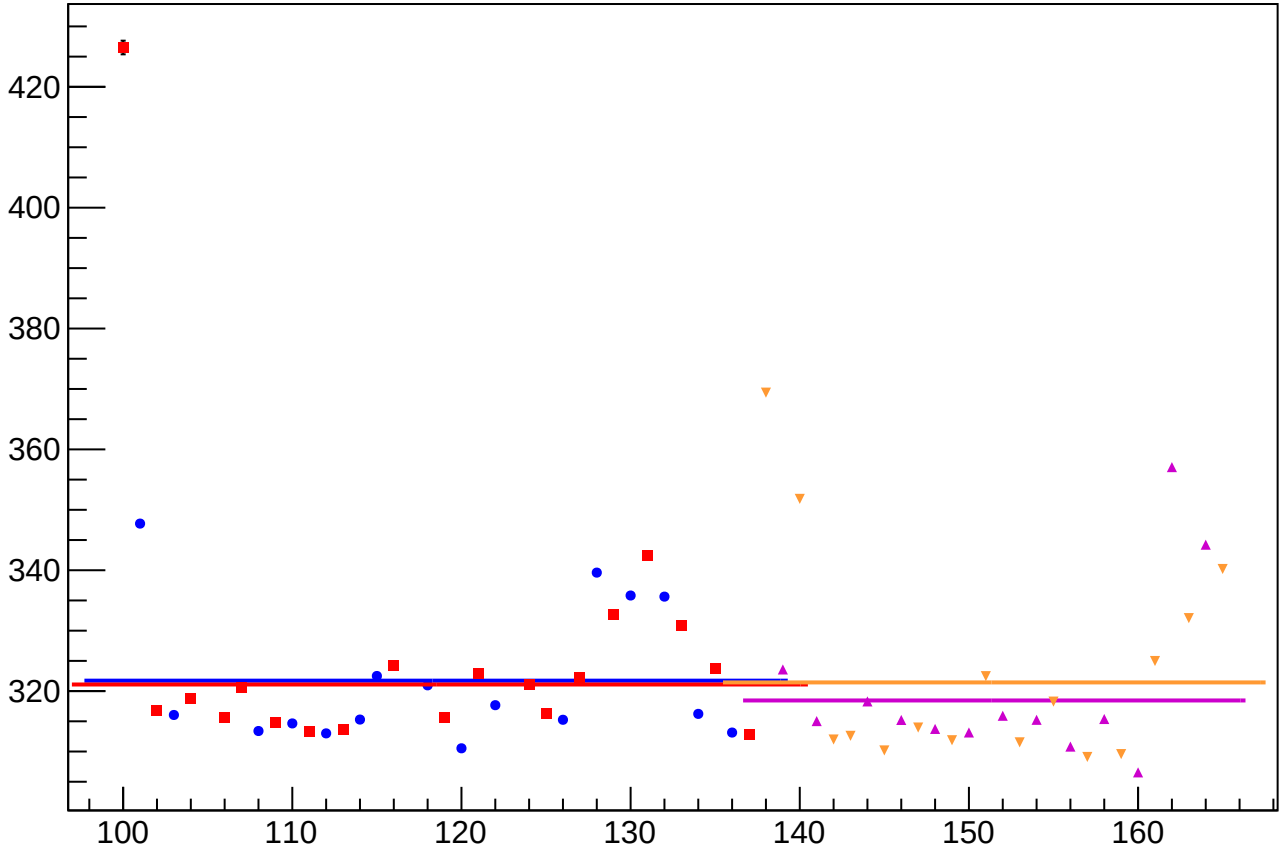
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.017+/-0.075 χ^2/NDF:15.0/28

Out: 0.028+/-0.073 χ^2/NDF:42.8/33

All: 0.022+/-0.053 χ^2/NDF: 57.8/62

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.436+/-0.066 χ^2/NDF:57275.4/14

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 318.450+/-0.068 χ^2/NDF:29966.3/12

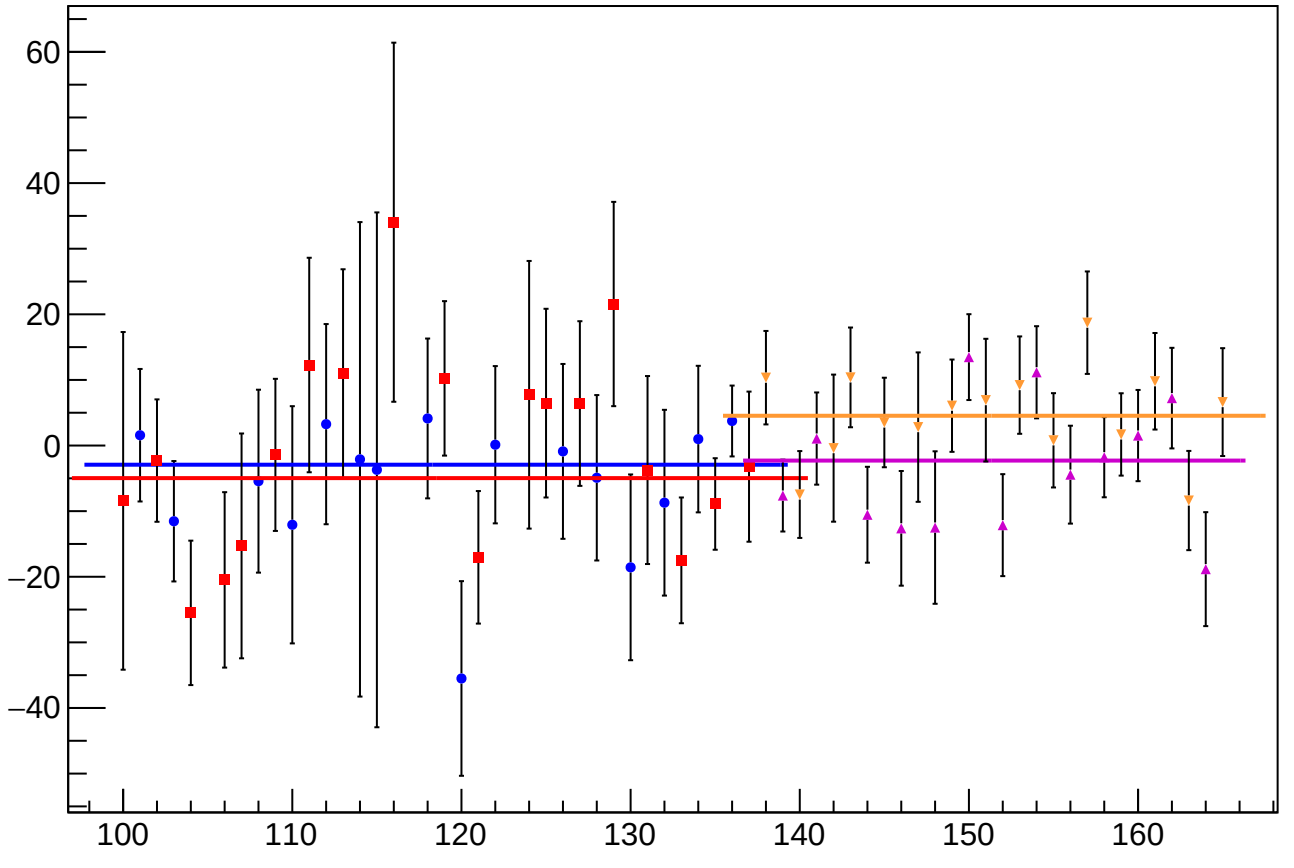
Left: 319.984+/-0.048 χ^2/NDF: 88223.6/27

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.737+/-0.053 χ^2/NDF:49084.6/28

Out: 321.302+/-0.052 χ^2/NDF:73865.1/33

All: 320.540+/-0.037 χ^2/NDF: 123393.1/62



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.539+/-1.966 χ^2/NDF:12.6/14

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -2.292+/-2.005 χ^2/NDF:21.3/12

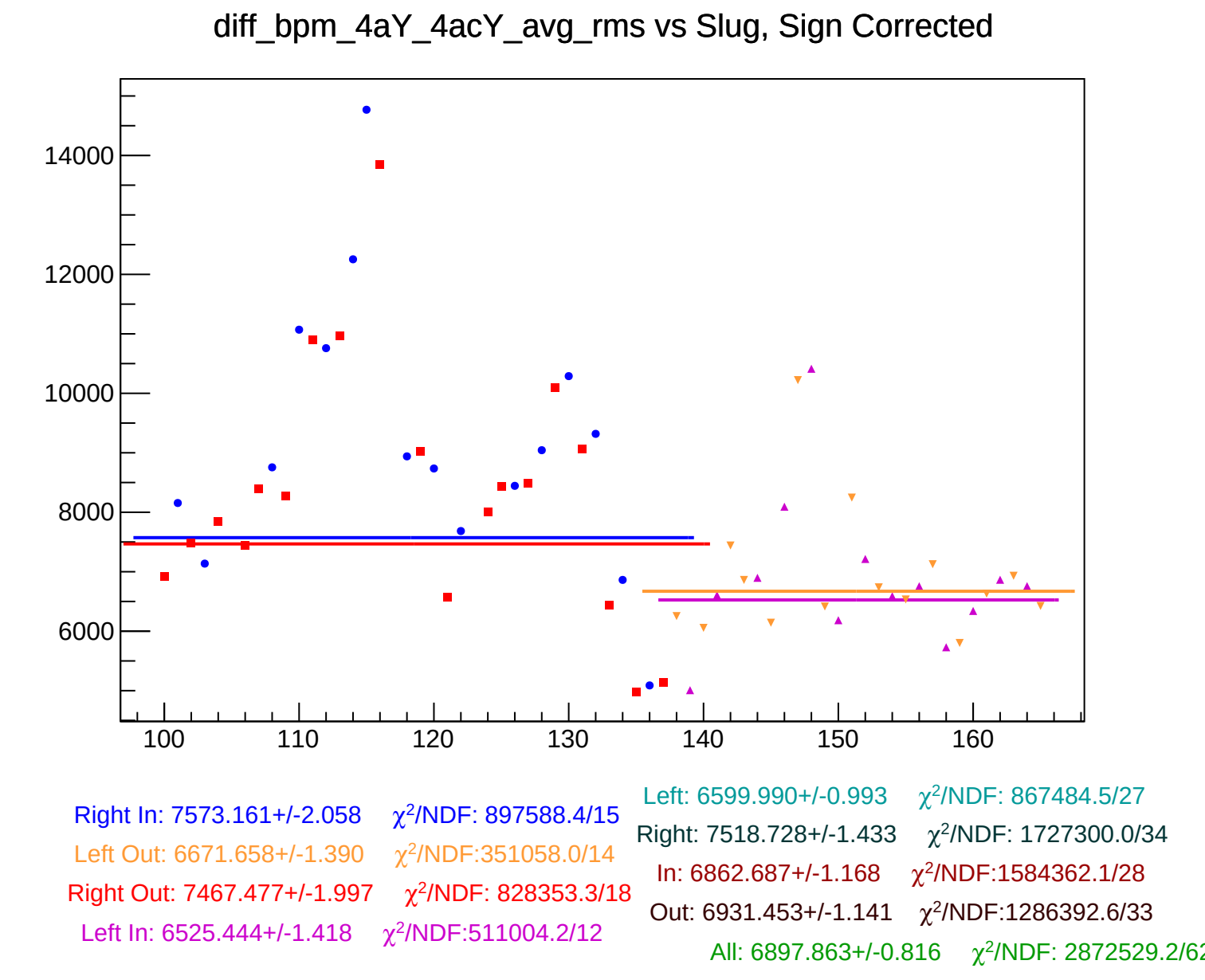
Left: 1.191+/-1.404 χ^2/NDF: 39.8/27

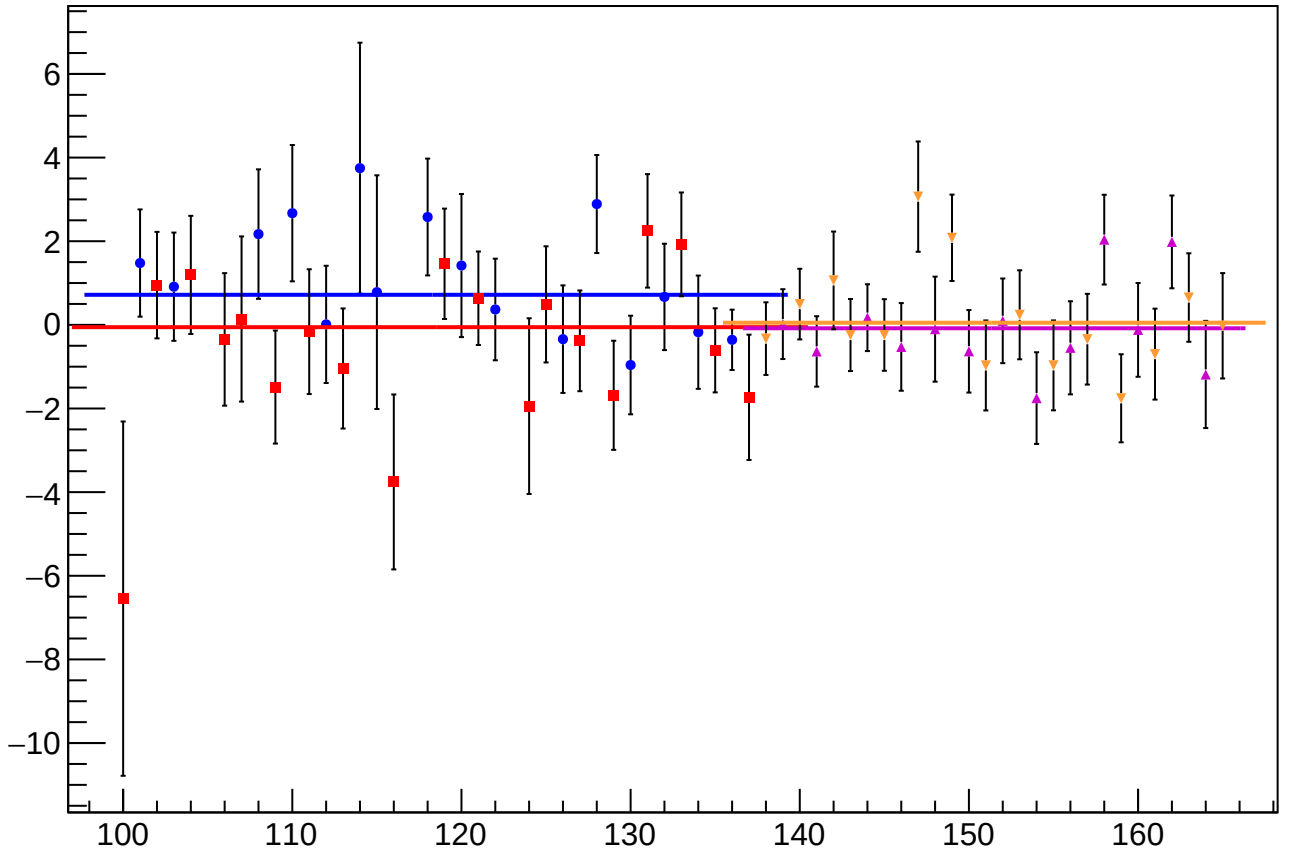
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.495+/-1.651 χ^2/NDF:31.1/28

Out: 1.436+/-1.614 χ^2/NDF:39.6/33

All: -0.484+/-1.154 χ^2/NDF: 73.7/62


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6671.658+/-1.390 χ²/NDF:351058.0/14
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6525.444+/-1.418 χ²/NDF:511004.2/12
Left: 6599.990+/-0.993 χ²/NDF: 867484.5/27
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6862.687+/-1.168 χ²/NDF:1584362.1/28
Out: 6931.453+/-1.141 χ²/NDF:1286392.6/33
All: 6897.863+/-0.816 χ²/NDF: 2872529.2/62



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.051+/-0.263 χ^2/NDF:16.3/14

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.082+/-0.281 χ^2/NDF:11.7/12

Left: -0.011+/-0.192 χ^2/NDF: 28.1/27

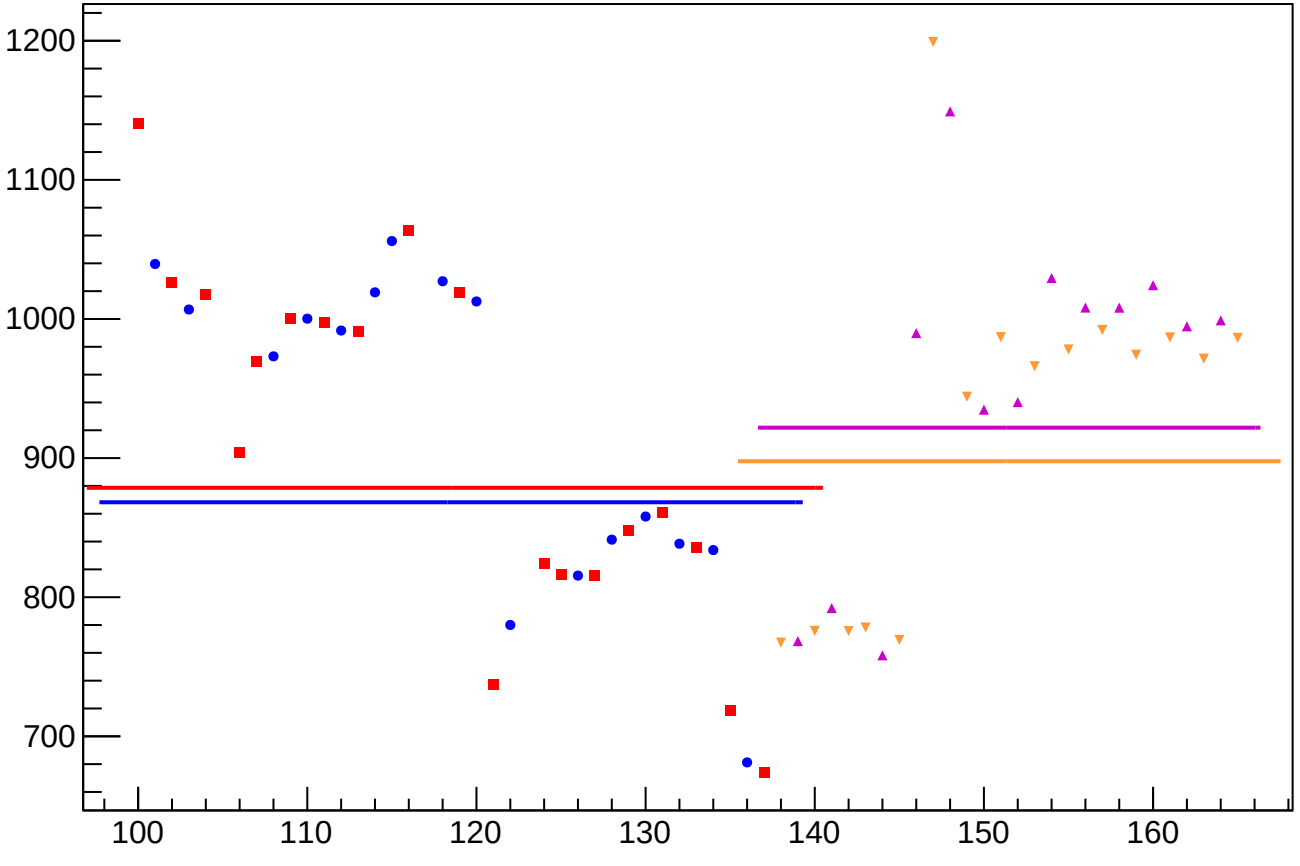
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.259+/-0.213 χ^2/NDF:29.9/28

Out: 0.008+/-0.204 χ^2/NDF:36.1/33

All: 0.129+/-0.147 χ^2/NDF: 66.8/62

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 897.752+/-0.186 χ^2/NDF:392473.4/14

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 921.864+/-0.199 χ^2/NDF:350582.0/12

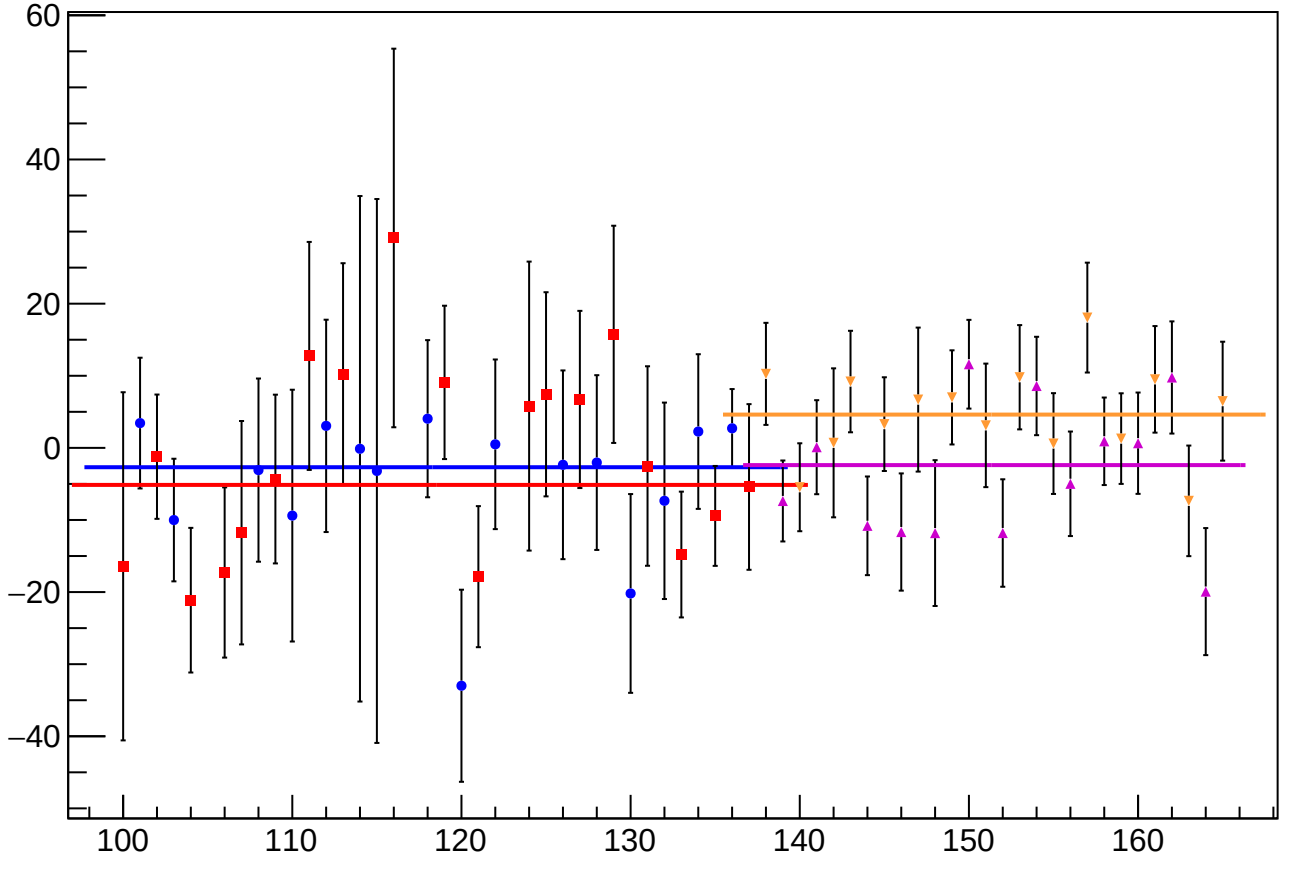
Left: 909.036+/-0.136 χ^2/NDF: 750900.0/27

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 899.022+/-0.150 χ^2/NDF:684049.6/28

Out: 890.137+/-0.144 χ^2/NDF:669196.4/33

All: 894.397+/-0.104 χ^2/NDF: 1355061.6/62



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.618+/-1.892 χ^2/NDF:11.3/14

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.389+/-1.949 χ^2/NDF:21.0/12

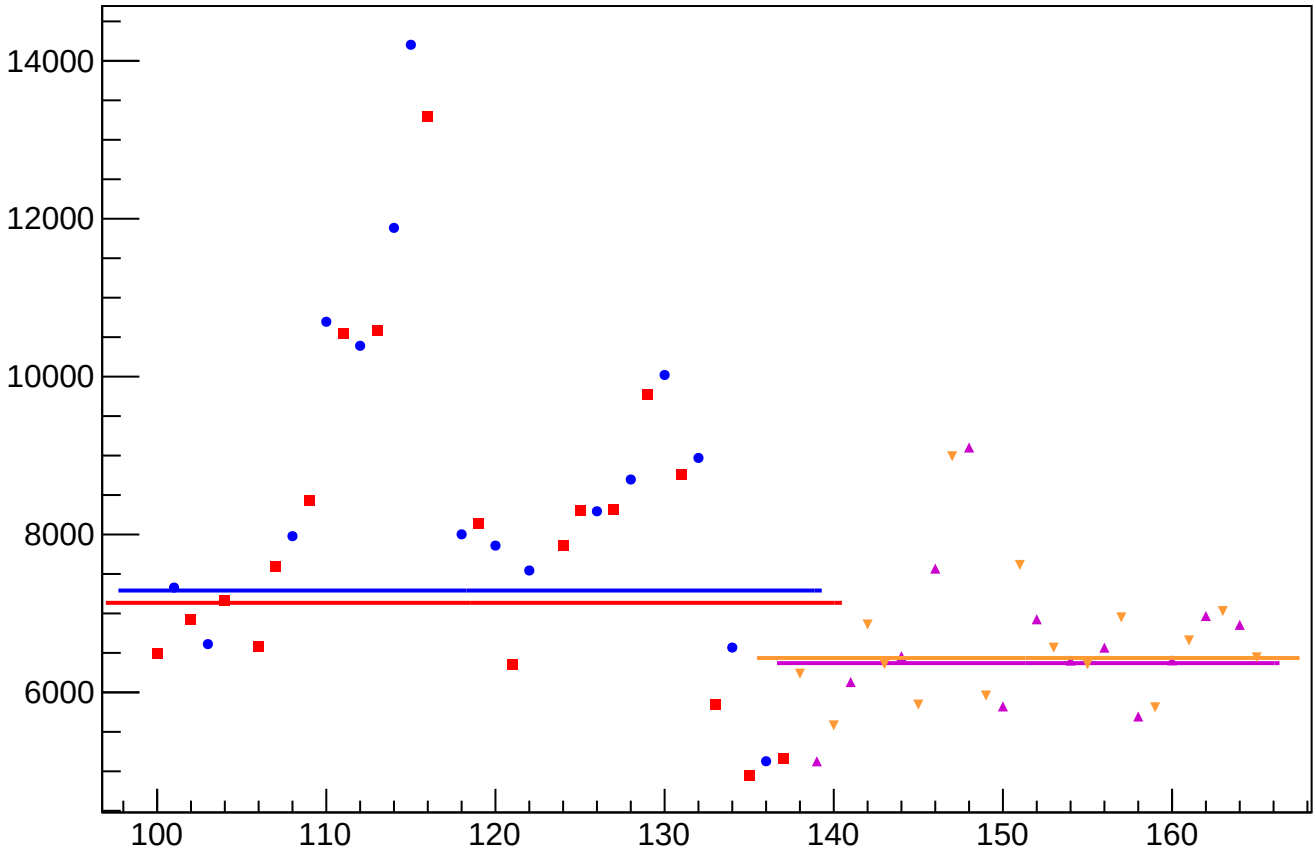
Left: 1.218+/-1.358 χ^2/NDF: 39.0/27

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.486+/-1.597 χ^2/NDF:31.1/28

Out: 1.392+/-1.548 χ^2/NDF:37.4/33

All: -0.486+/-1.112 χ^2/NDF: 71.5/62



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6436.065+/-1.338 χ^2/NDF:283974.3/14

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6370.886+/-1.378 χ^2/NDF:361741.5/12

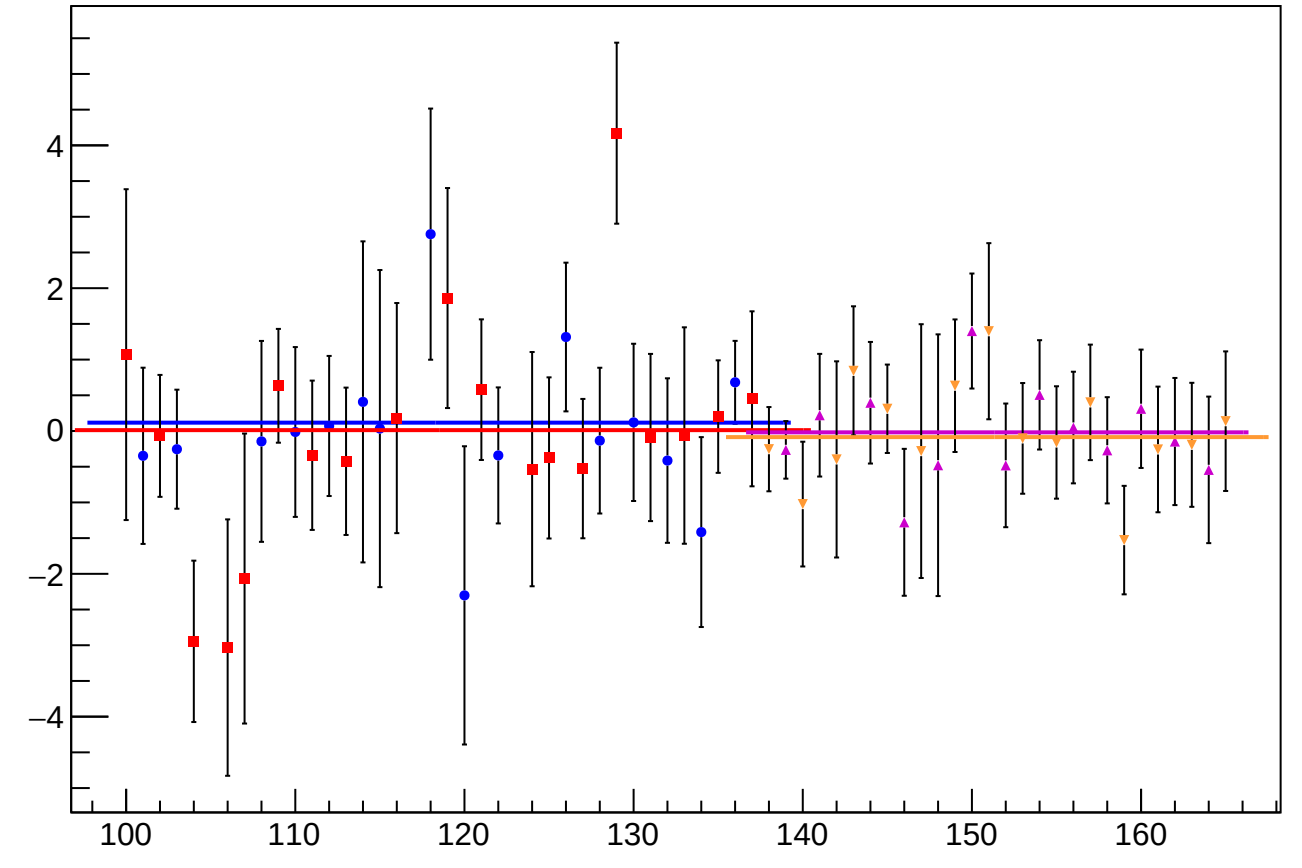
Left: 6404.443+/-0.960 χ^2/NDF: 646867.3/27

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6672.669+/-1.130 χ^2/NDF:1278330.4/28

Out: 6666.983+/-1.095 χ^2/NDF:1166855.7/33

All: 6669.737+/-0.786 χ^2/NDF: 2445199.1/62



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.085+/-0.219 χ^2/NDF:8.9/14

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.019+/-0.214 χ^2/NDF:6.7/12

Left: -0.051+/-0.153 χ^2/NDF: 15.6/27

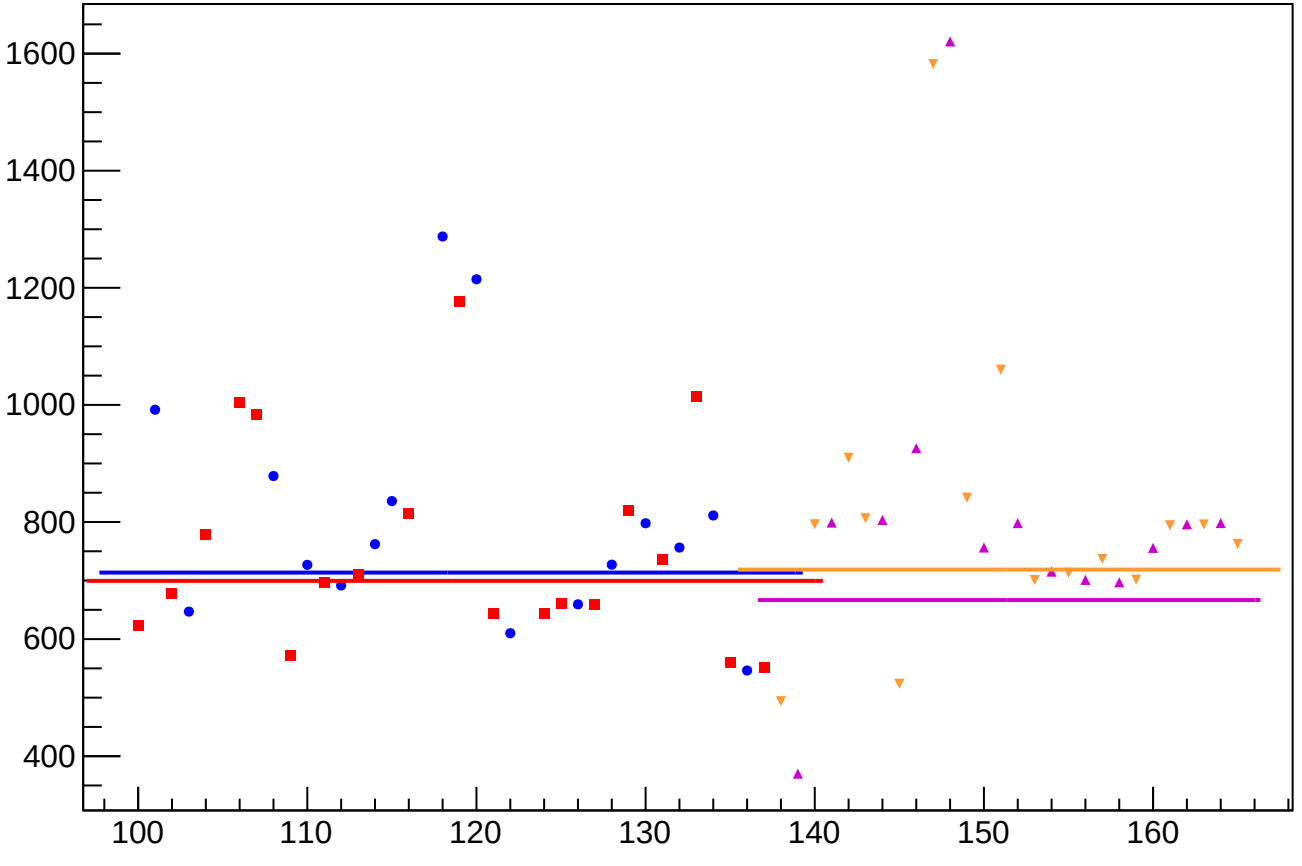
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.033+/-0.168 χ^2/NDF:14.9/28

Out: -0.046+/-0.168 χ^2/NDF:34.1/33

All: -0.006+/-0.119 χ^2/NDF: 49.2/62

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 718.705+/-0.155 χ^2/NDF:1260678.4/14

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 666.689+/-0.151 χ^2/NDF:2033721.2/12

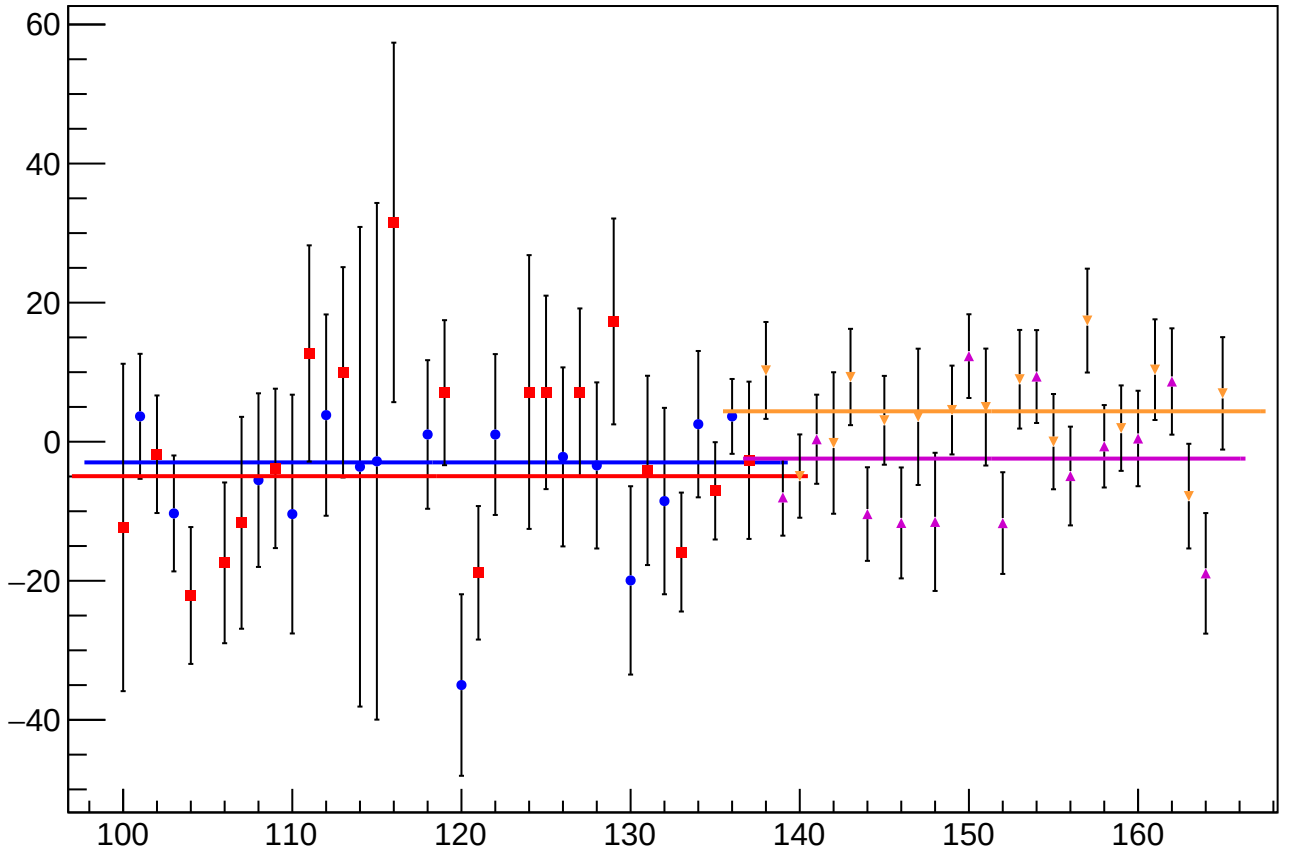
Left: 692.129+/-0.108 χ^2/NDF: 3352152.9/27

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 684.548+/-0.119 χ^2/NDF:2769610.2/28

Out: 710.858+/-0.119 χ^2/NDF:1842733.6/33

All: 697.722+/-0.084 χ^2/NDF: 4636761.0/62



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.374+/-1.856 χ^2/NDF:11.3/14

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -2.428+/-1.911 χ^2/NDF:21.6/12

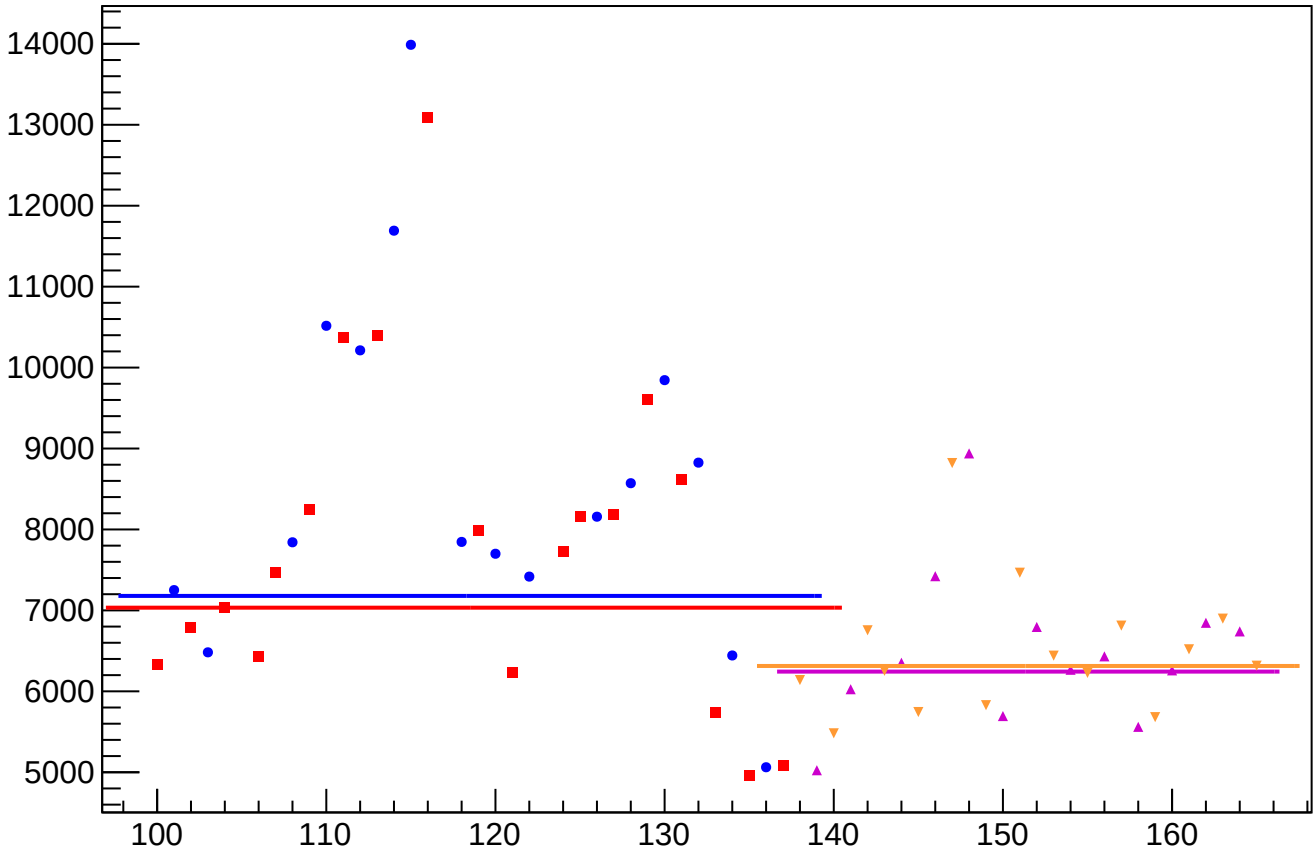
Left: 1.071+/-1.331 χ^2/NDF: 39.5/27

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.606+/-1.568 χ^2/NDF:33.2/28

Out: 1.308+/-1.521 χ^2/NDF:38.1/33

All: -0.589+/-1.092 χ^2/NDF: 74.6/62



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6313.302+/-1.313 χ^2/NDF:284361.7/14

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6243.637+/-1.351 χ^2/NDF:366839.8/12

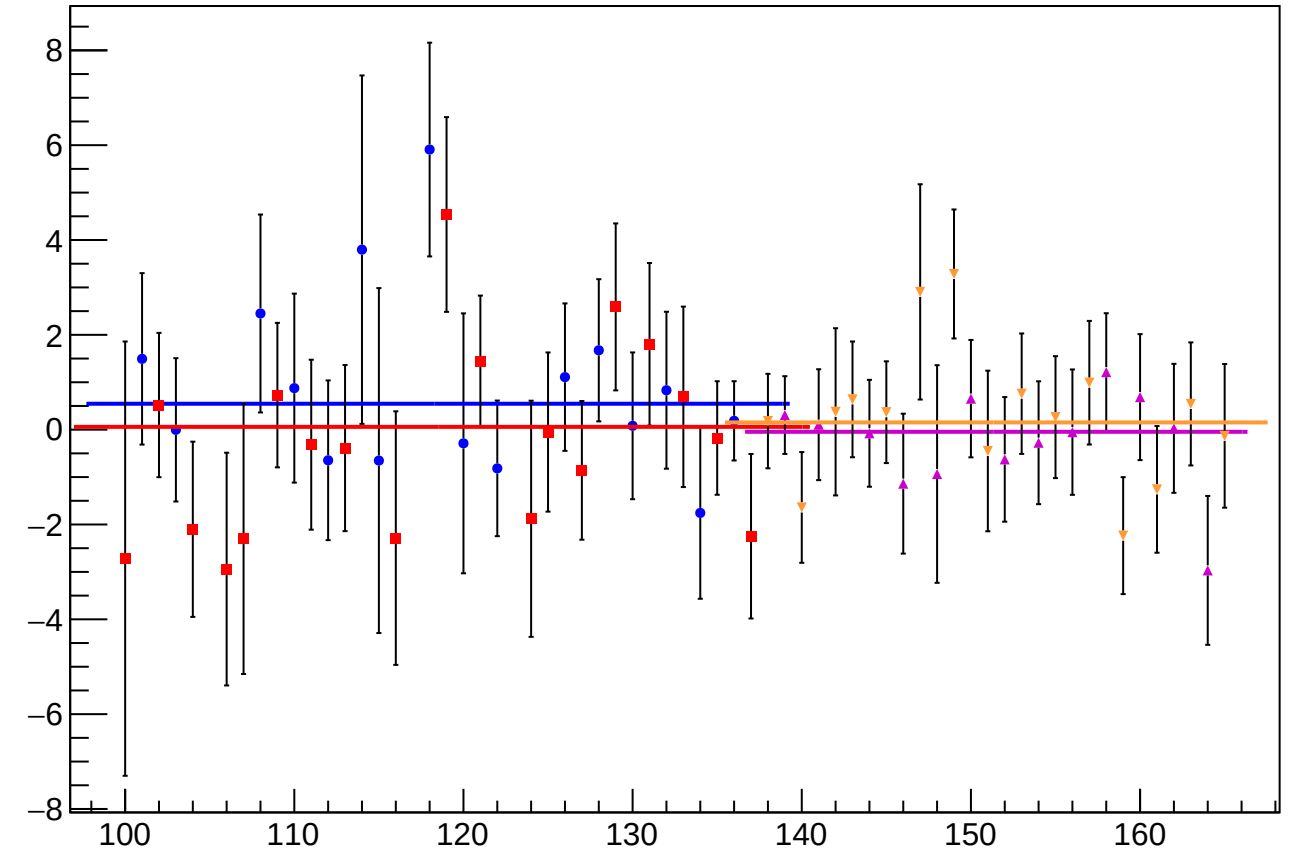
Left: 6279.476+/-0.941 χ^2/NDF: 652569.3/27

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6548.733+/-1.109 χ^2/NDF:1285102.0/28

Out: 6549.988+/-1.075 χ^2/NDF:1149699.1/33

All: 6549.380+/-0.772 χ^2/NDF: 2434801.8/62



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.153+/-0.338 χ^2/NDF:15.1/14

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.045+/-0.349 χ^2/NDF:6.2/12

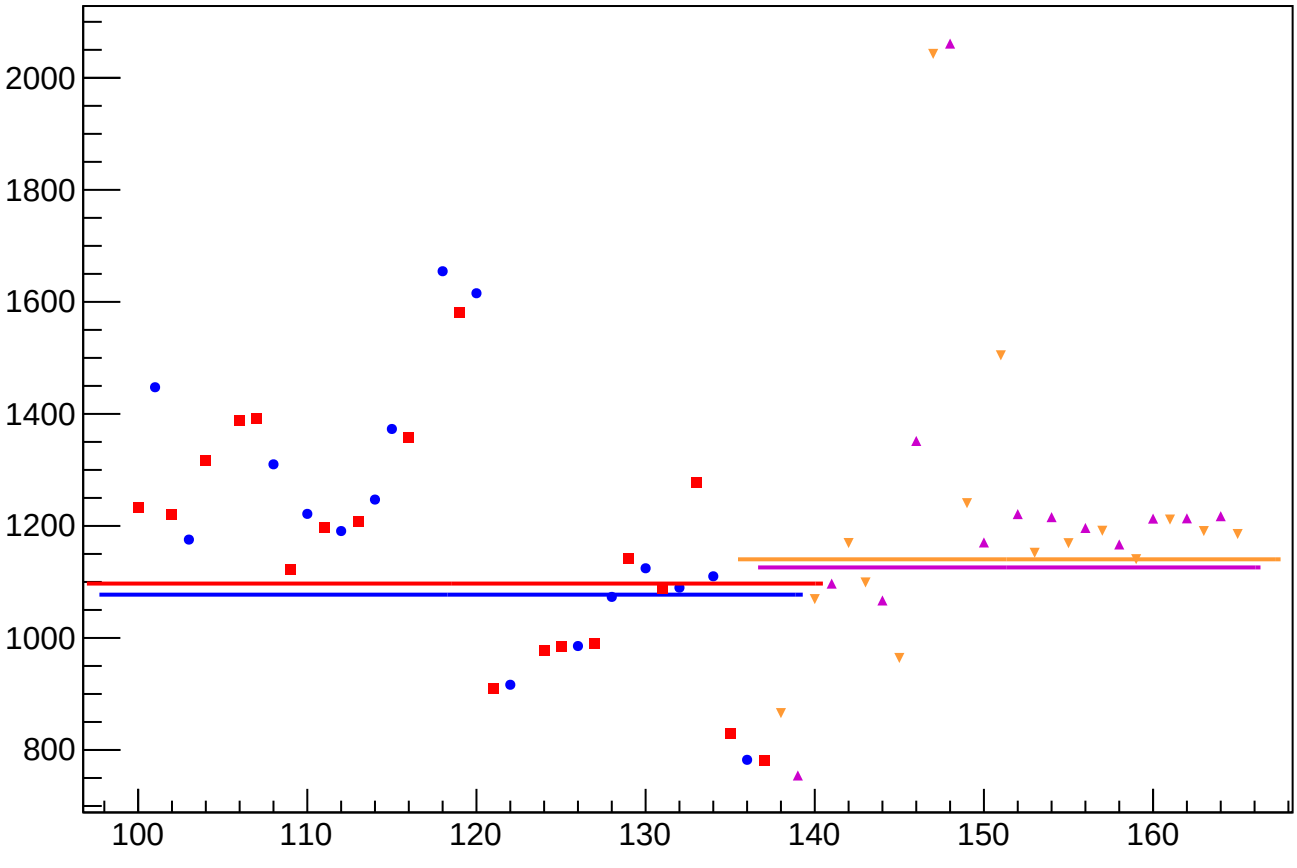
Left: 0.057+/-0.243 χ^2/NDF: 21.5/27

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.203+/-0.266 χ^2/NDF:19.4/28

Out: 0.115+/-0.261 χ^2/NDF:32.0/33

All: 0.158+/-0.186 χ^2/NDF: 51.4/62



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1140.407+/-0.239 χ^2/NDF:650042.7/14

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1125.911+/-0.247 χ^2/NDF:850276.7/12

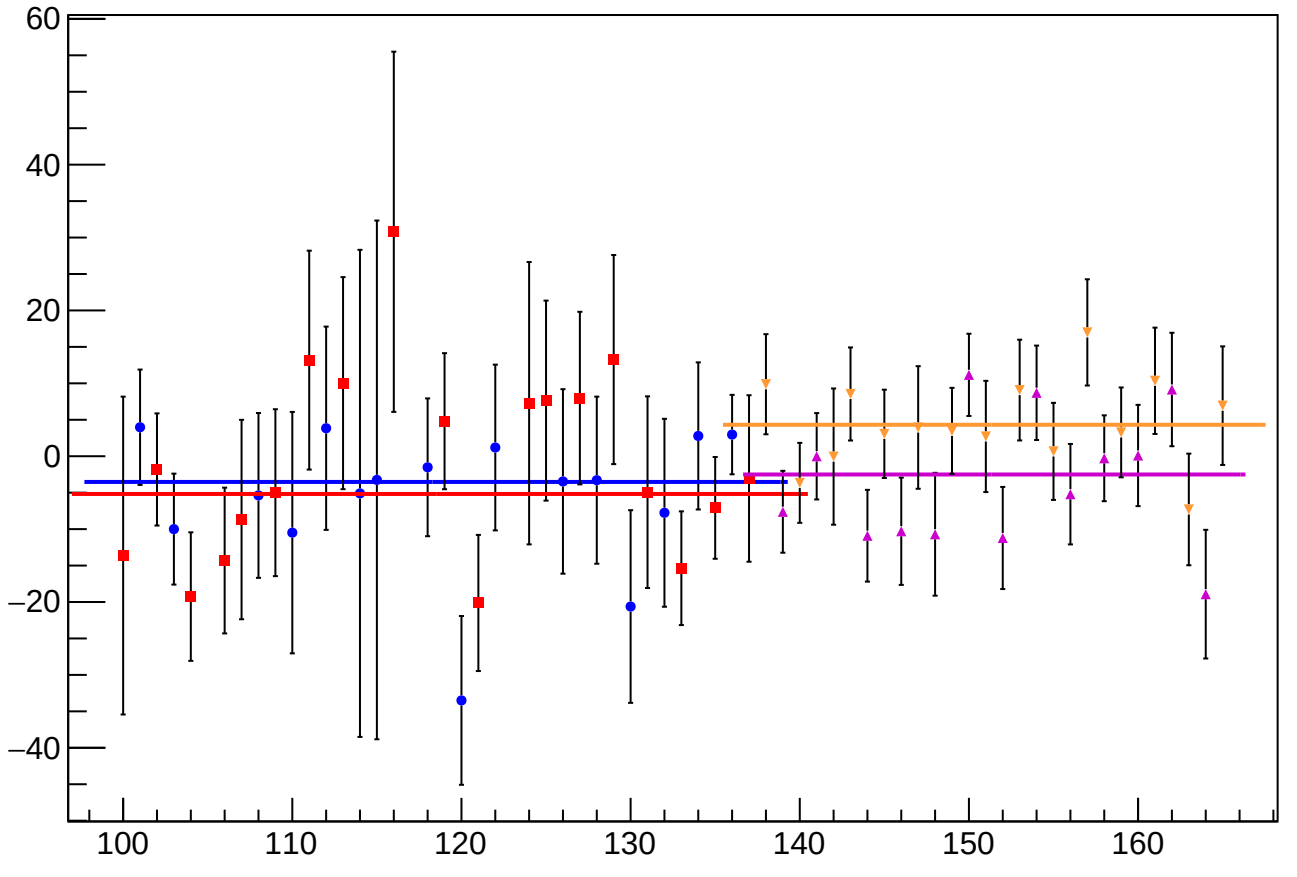
Left: 1133.387+/-0.172 χ^2/NDF: 1502099.6/27

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1105.547+/-0.188 χ^2/NDF:1513060.5/28

Out: 1122.821+/-0.184 χ^2/NDF:1147734.5/33

All: 1114.361+/-0.132 χ^2/NDF: 2665100.1/62



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.314+/-1.775 χ^2/NDF:10.4/14

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.506+/-1.845 χ^2/NDF:21.4/12

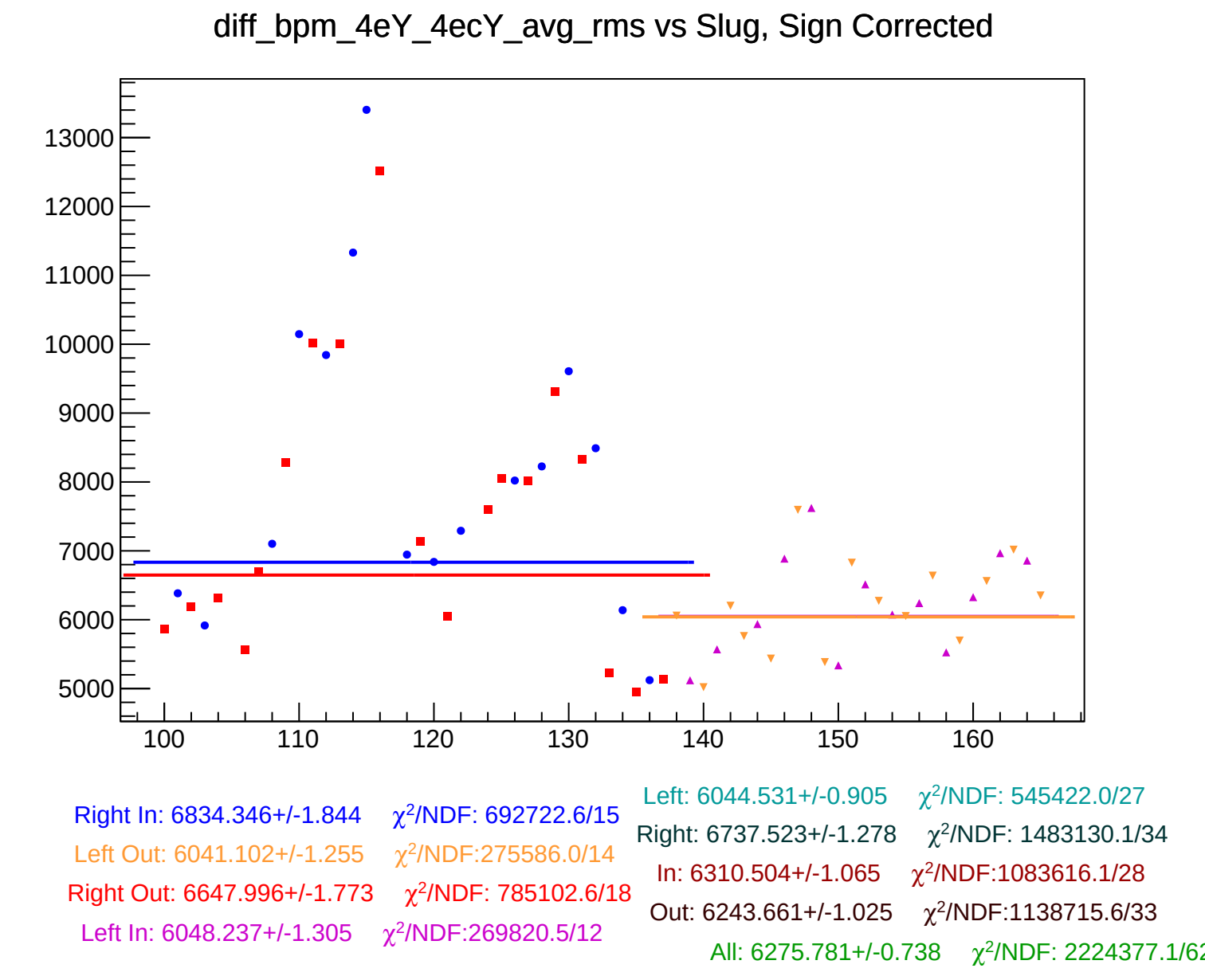
Left: 1.037+/-1.279 χ^2/NDF: 39.0/27

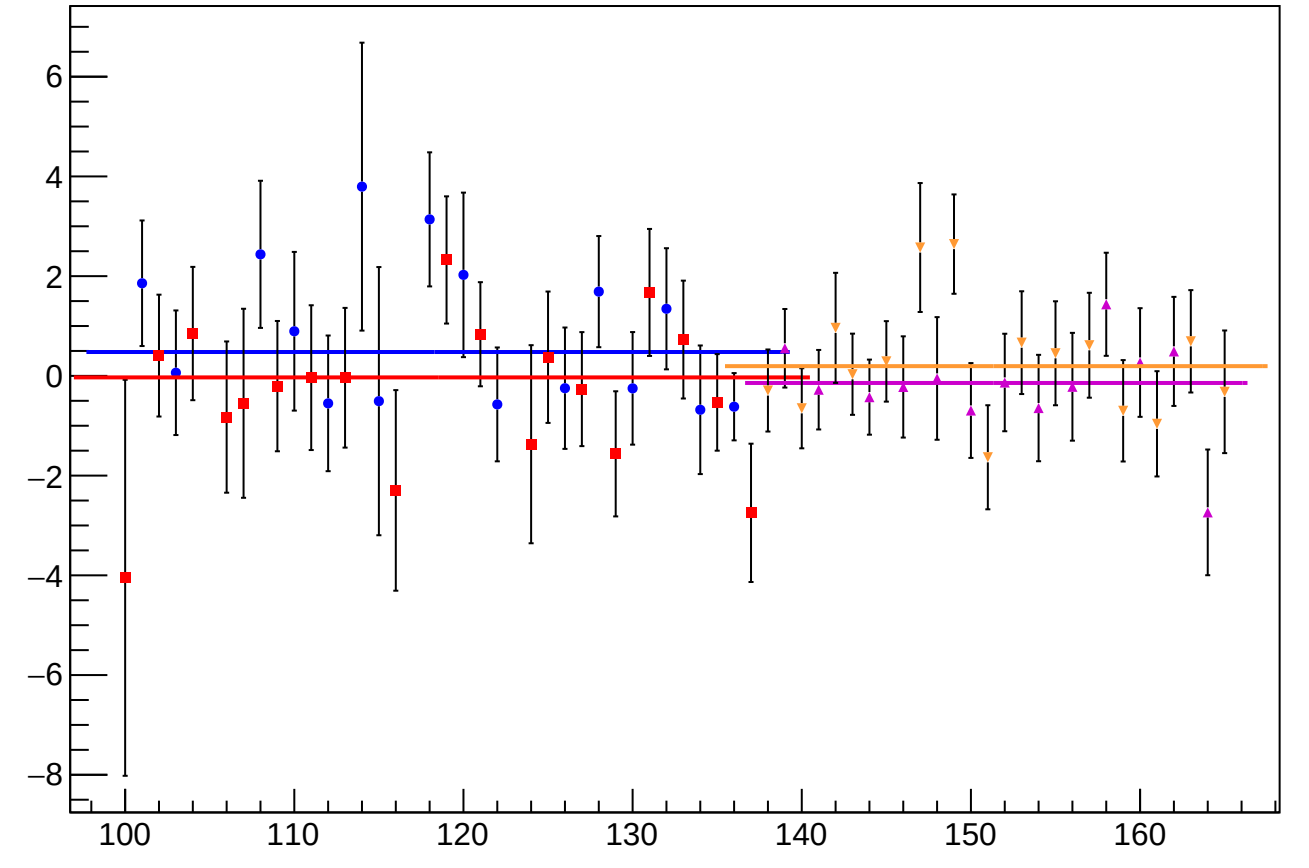
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.847+/-1.506 χ^2/NDF:34.1/28

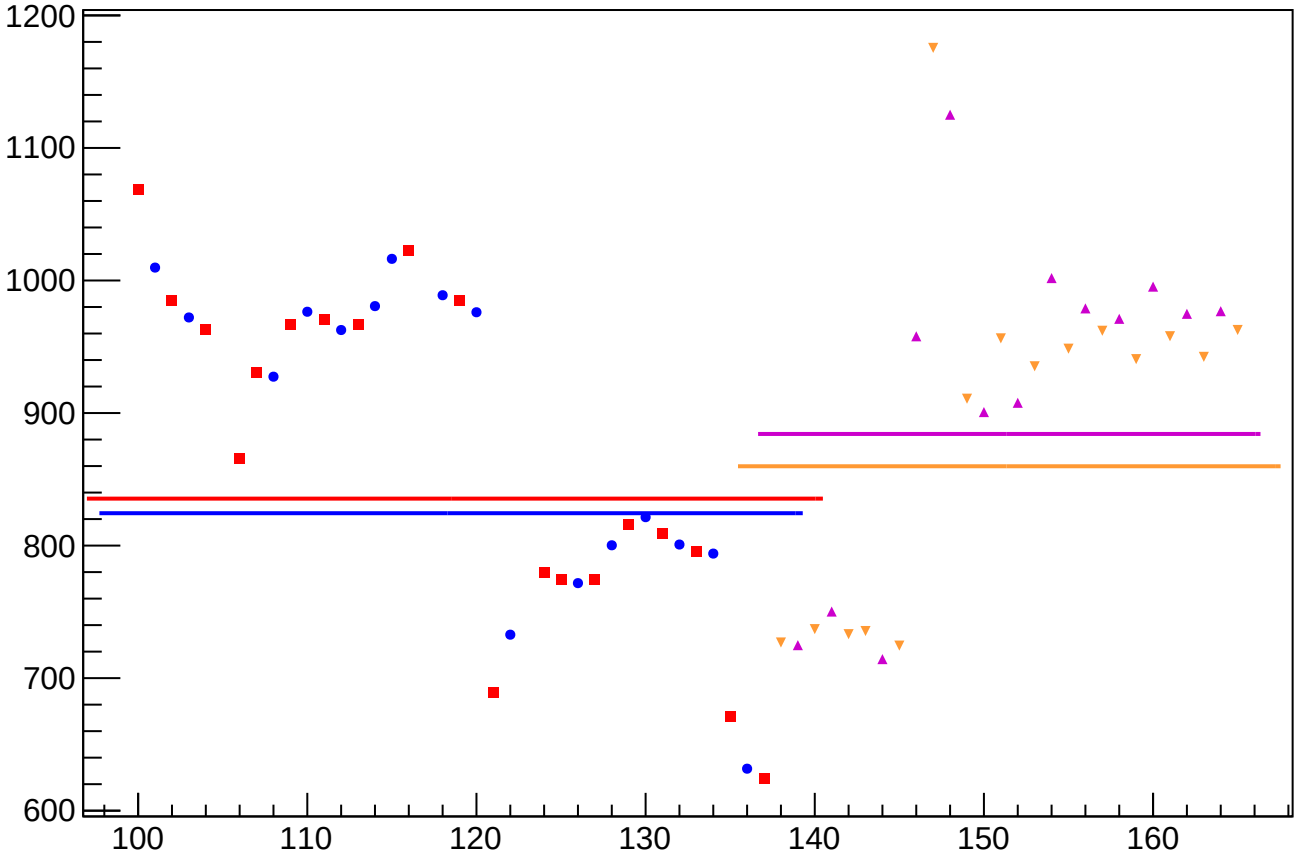
Out: 1.147+/-1.449 χ^2/NDF:38.2/33

All: -0.772+/-1.044 χ^2/NDF: 76.0/62


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
Right In: 6834.346+/-1.844 χ²/NDF: 692722.6/15
Left Out: 6041.102+/-1.255 χ²/NDF:275586.0/14
Right Out: 6647.996+/-1.773 χ²/NDF: 785102.6/18
Left In: 6048.237+/-1.305 χ²/NDF:269820.5/12
Left: 6044.531+/-0.905 χ²/NDF: 545422.0/27
Right: 6737.523+/-1.278 χ²/NDF: 1483130.1/34
In: 6310.504+/-1.065 χ²/NDF:1083616.1/28
Out: 6243.661+/-1.025 χ²/NDF:1138715.6/33
All: 6275.781+/-0.738 χ²/NDF: 2224377.1/62


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
Right In: 0.479+/-0.311 χ²/NDF: 16.7/15
Left Out: 0.195+/-0.253 χ²/NDF:17.3/14
Right Out: -0.030+/-0.309 χ²/NDF: 15.7/18
Left In: -0.142+/-0.270 χ²/NDF:8.6/12
Left: 0.038+/-0.185 χ²/NDF: 26.7/27
Right: 0.222+/-0.219 χ²/NDF: 33.8/34
In: 0.125+/-0.204 χ²/NDF:27.6/28
Out: 0.105+/-0.196 χ²/NDF:33.3/33
All: 0.114+/-0.141 χ²/NDF: 60.9/62

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 859.846+/-0.179 χ^2/NDF:470676.6/14

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 884.221+/-0.191 χ^2/NDF:428240.6/12

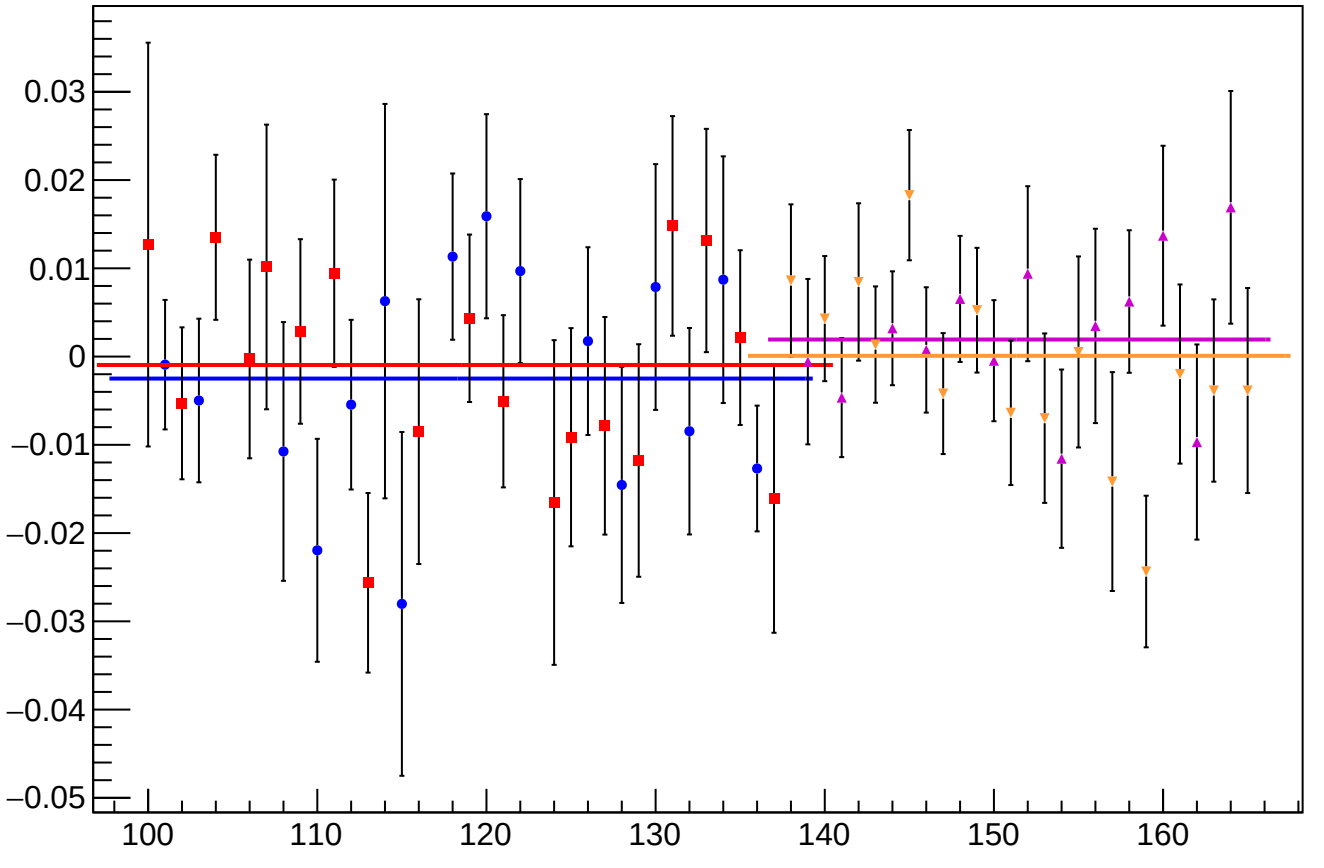
Left: 871.225+/-0.130 χ^2/NDF: 907602.4/27

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 858.496+/-0.144 χ^2/NDF:835874.4/28

Out: 850.045+/-0.138 χ^2/NDF:797470.0/33

All: 854.094+/-0.100 χ^2/NDF: 1635134.6/62



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.1/14

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:8.0/12

Left: 0.001+/-0.002 χ^2/NDF: 28.5/27

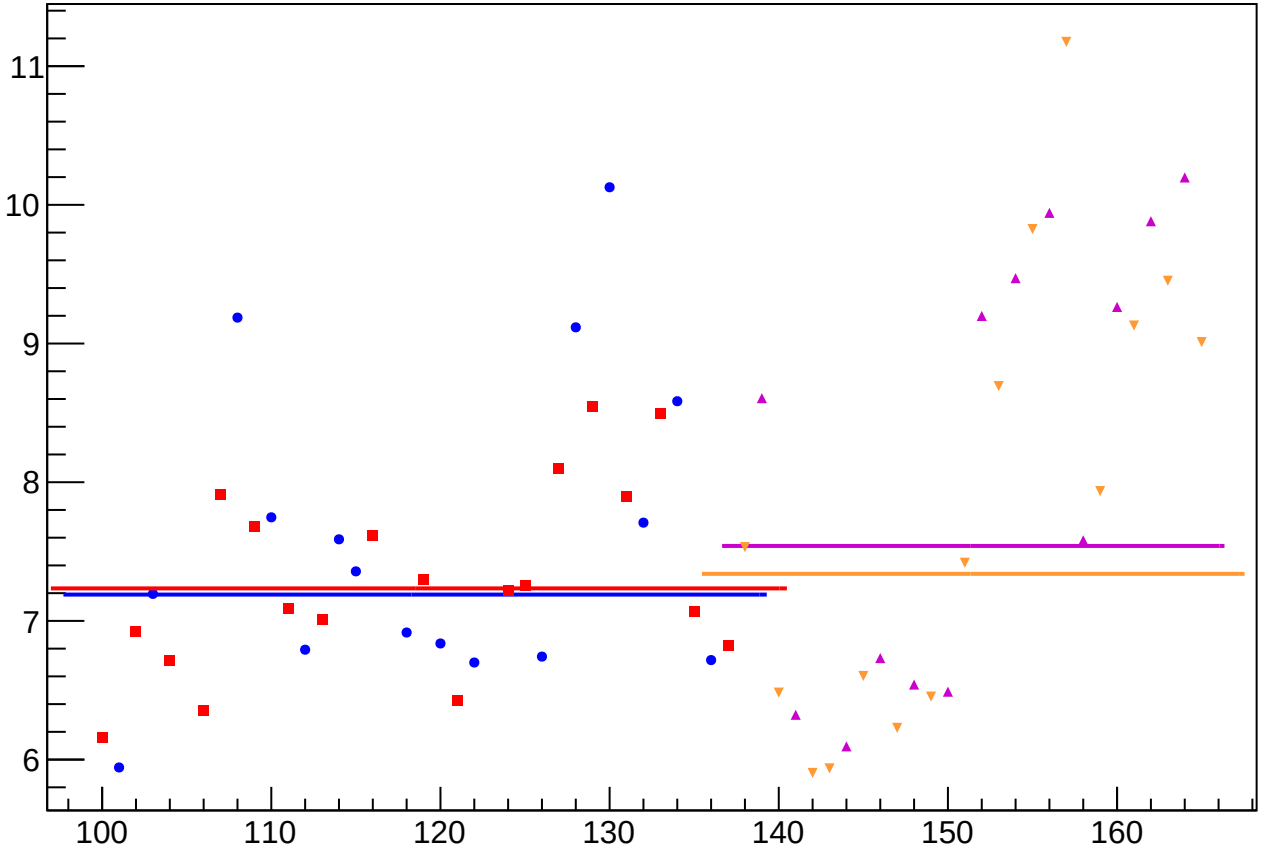
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:24.8/28

Out: -0.000+/-0.002 χ^2/NDF:37.5/33

All: -0.000+/-0.001 χ^2/NDF: 62.4/62

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.339+/-0.002 χ^2/NDF:810258.4/14

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.540+/-0.002 χ^2/NDF:755785.8/12

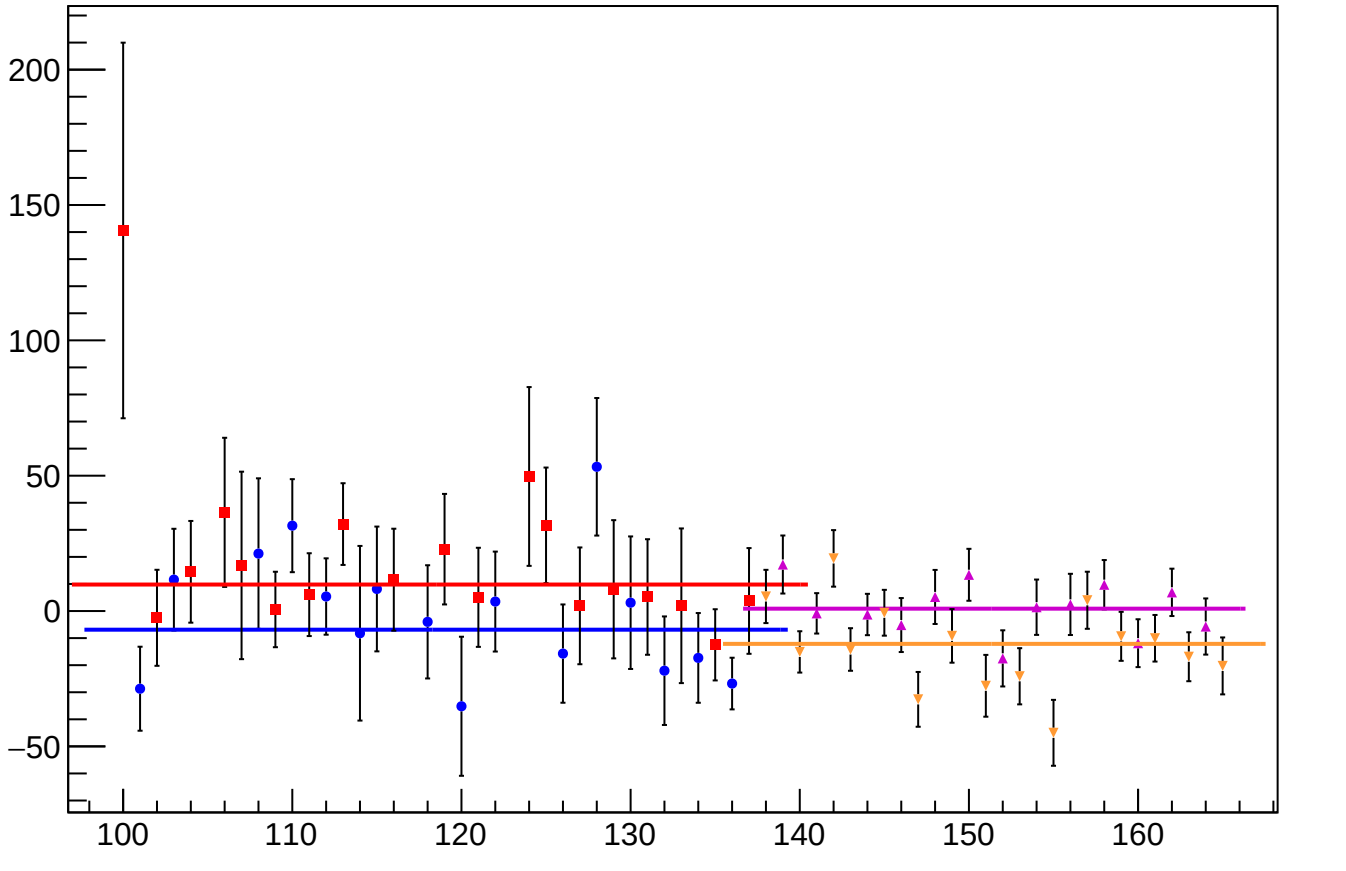
Left: 7.434+/-0.001 χ^2/NDF: 1573991.7/27

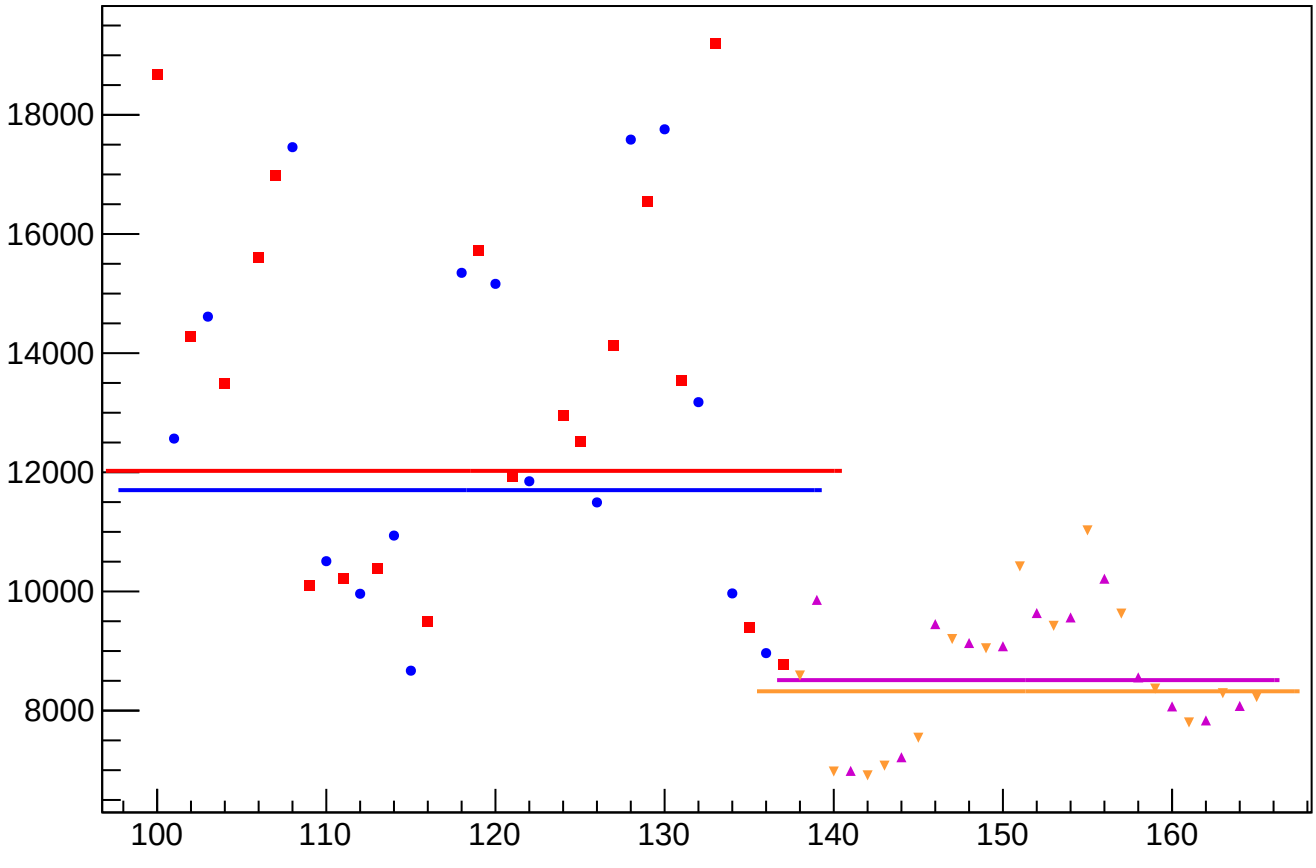
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

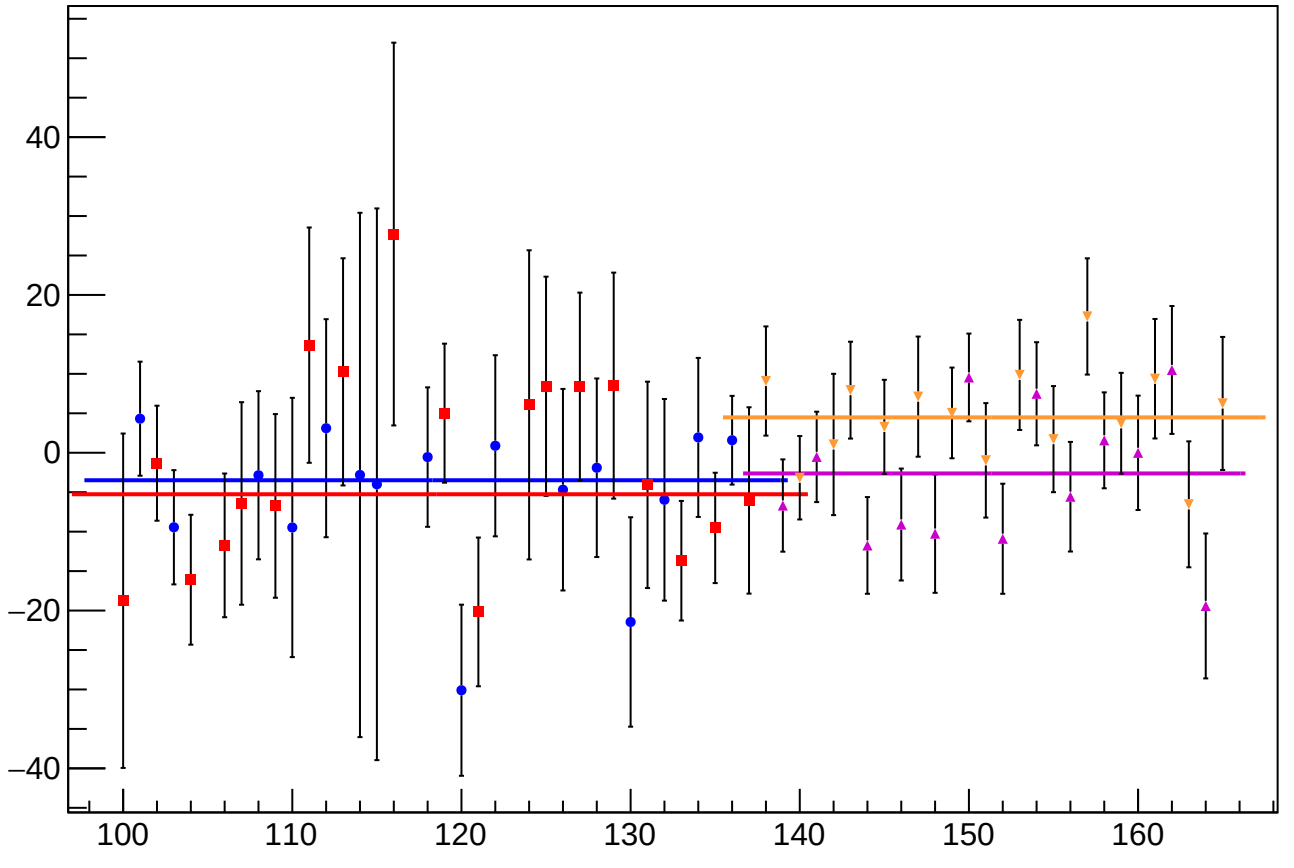
In: 7.392+/-0.001 χ^2/NDF:1052733.5/28

Out: 7.297+/-0.001 χ^2/NDF:918385.0/33

All: 7.342+/-0.001 χ^2/NDF: 1974129.8/62


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -12.129+/-2.451 χ²/NDF:32.4/14
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 0.875+/-2.594 χ²/NDF:11.8/12
Left: -5.994+/-1.782 χ²/NDF: 57.4/27
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -1.069+/-2.246 χ²/NDF:37.0/28
Out: -7.142+/-2.155 χ²/NDF:64.6/33
All: -4.232+/-1.555 χ²/NDF: 105.4/62


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8324.199+/-1.733 χ²/NDF:419650.2/14
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8511.728+/-1.834 χ²/NDF:315572.7/12
Left: 8412.670+/-1.260 χ²/NDF: 740744.4/27
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 9310.170+/-1.588 χ²/NDF:1812552.6/28
Out: 9165.945+/-1.524 χ²/NDF:2140963.5/33
All: 9235.068+/-1.099 χ²/NDF: 3957811.0/62



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.484+/-1.759 χ^2/NDF:9.9/14

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -2.621+/-1.844 χ^2/NDF:20.0/12

Left: 1.098+/-1.273 χ^2/NDF: 37.7/27

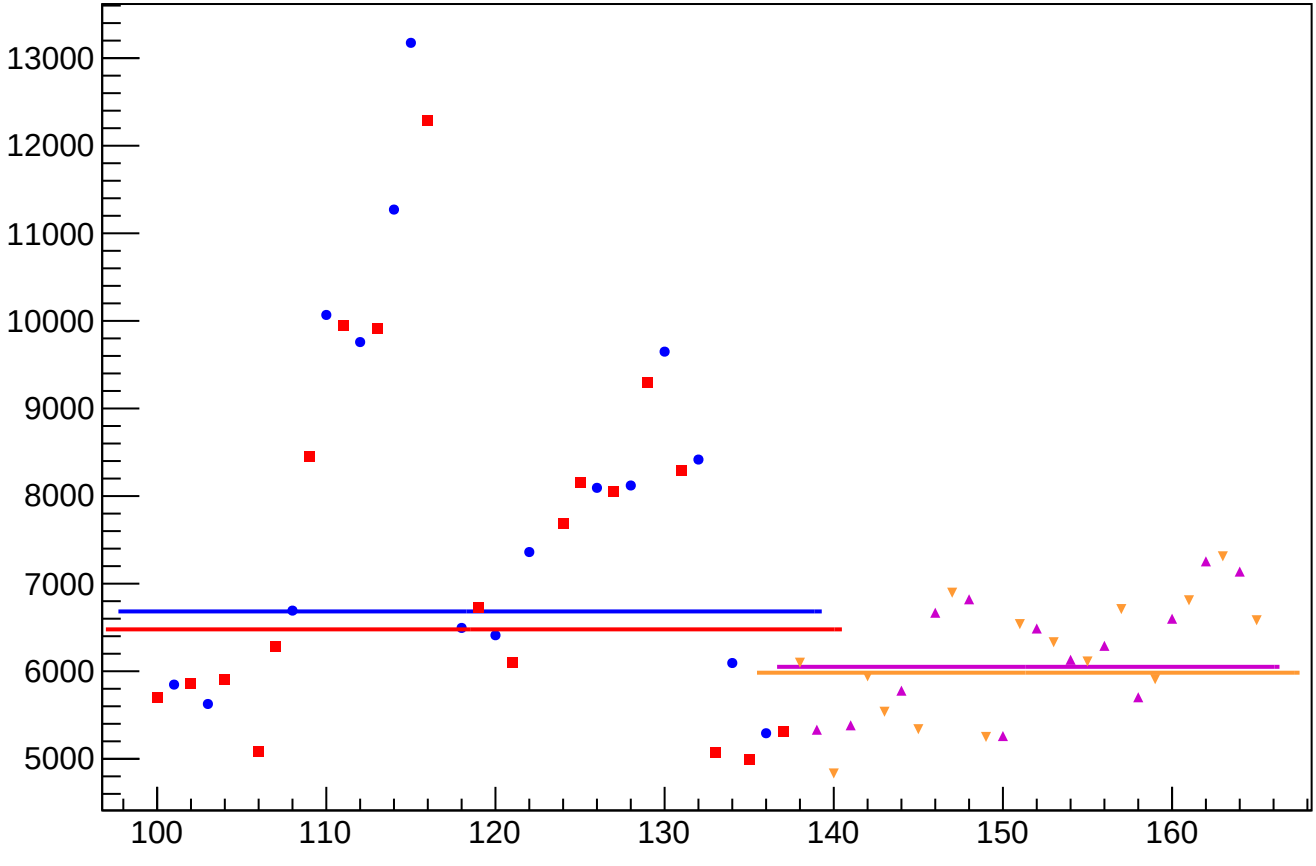
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.918+/-1.494 χ^2/NDF:31.6/28

Out: 1.163+/-1.428 χ^2/NDF:37.0/33

All: -0.786+/-1.032 χ^2/NDF: 72.5/62

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5983.466+/-1.244 χ^2/NDF:316997.7/14

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6050.502+/-1.304 χ^2/NDF:238708.1/12

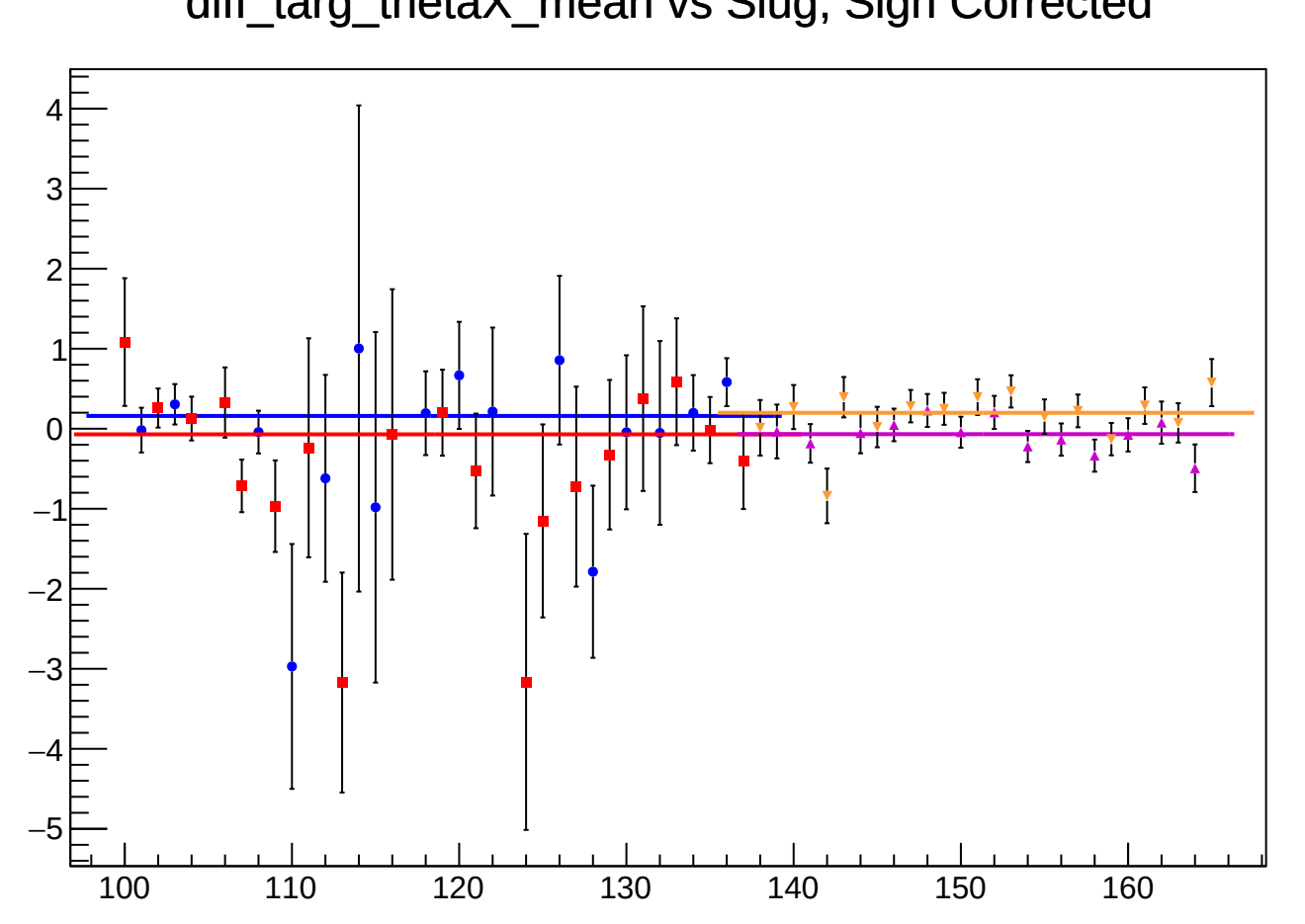
Left: 6015.417+/-0.900 χ^2/NDF: 557089.6/27

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6267.666+/-1.056 χ^2/NDF:1011726.5/28

Out: 6152.099+/-1.010 χ^2/NDF:1210120.9/33

All: 6207.288+/-0.730 χ^2/NDF: 2228099.9/62



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.199+/-0.061 χ^2/NDF:18.2/14

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.068+/-0.062 χ^2/NDF:9.2/12

Left: 0.068+/-0.043 χ^2/NDF: 37.0/27

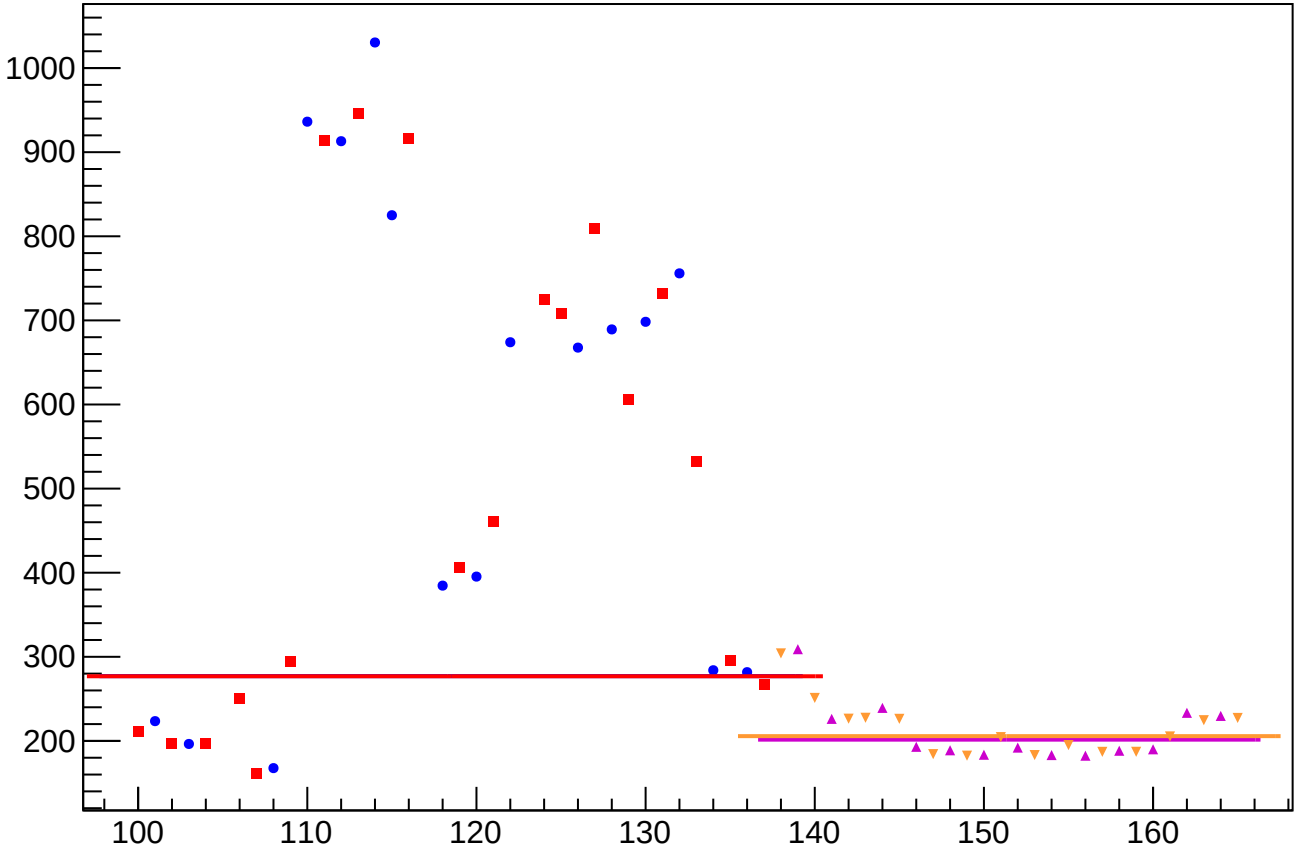
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.020+/-0.055 χ^2/NDF:24.7/28

Out: 0.144+/-0.054 χ^2/NDF:44.7/33

All: 0.063+/-0.038 χ^2/NDF: 74.0/62

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 205.675+/-0.043 χ^2/NDF:386223.1/14

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 201.511+/-0.044 χ^2/NDF:399961.0/12

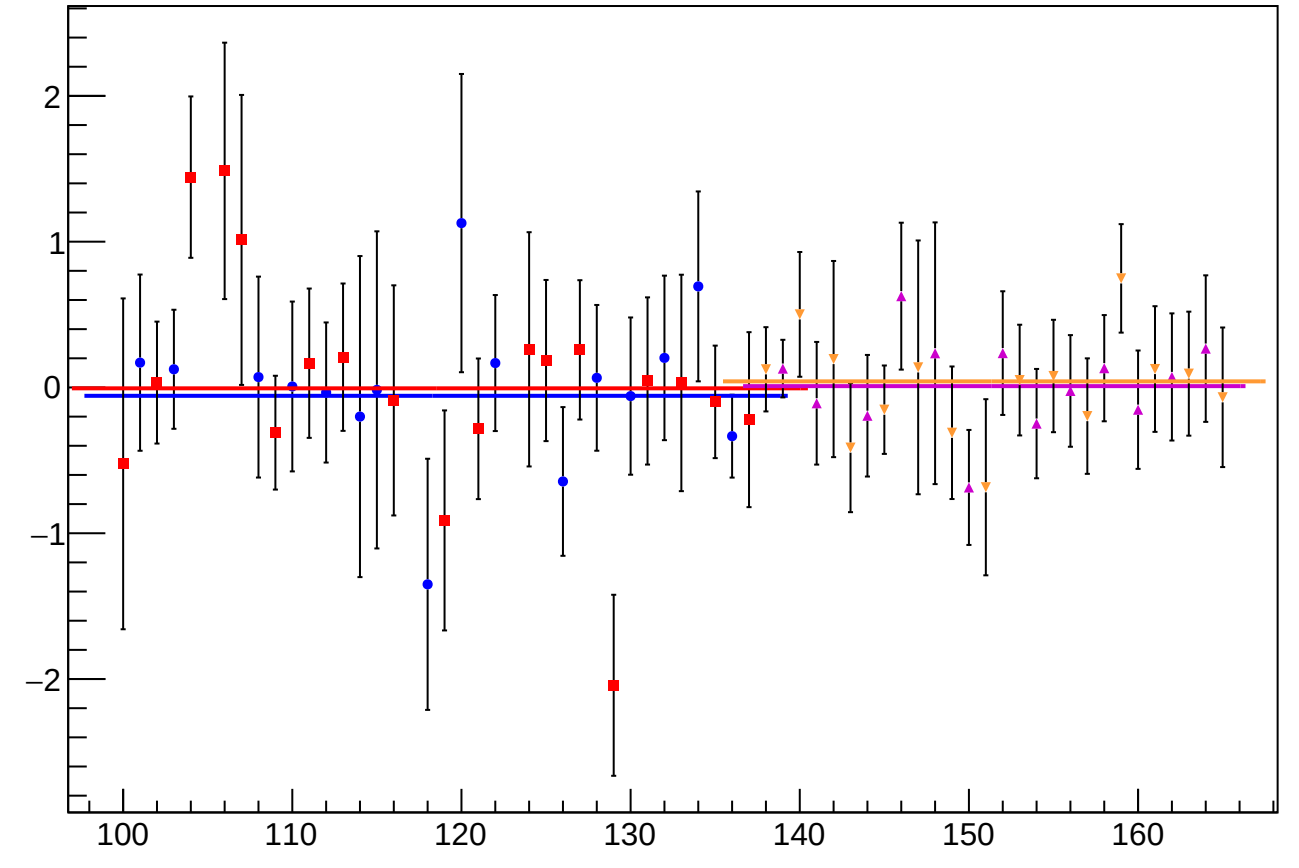
Left: 203.628+/-0.031 χ^2/NDF: 790835.0/27

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 217.331+/-0.039 χ^2/NDF:4480808.0/28

Out: 220.178+/-0.038 χ^2/NDF:4521169.9/33

All: 218.773+/-0.027 χ^2/NDF: 9004718.8/62



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.042+/-0.107 χ^2/NDF:8.9/14

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.009+/-0.105 χ^2/NDF:6.7/12

Left: 0.025+/-0.075 χ^2/NDF: 15.6/27

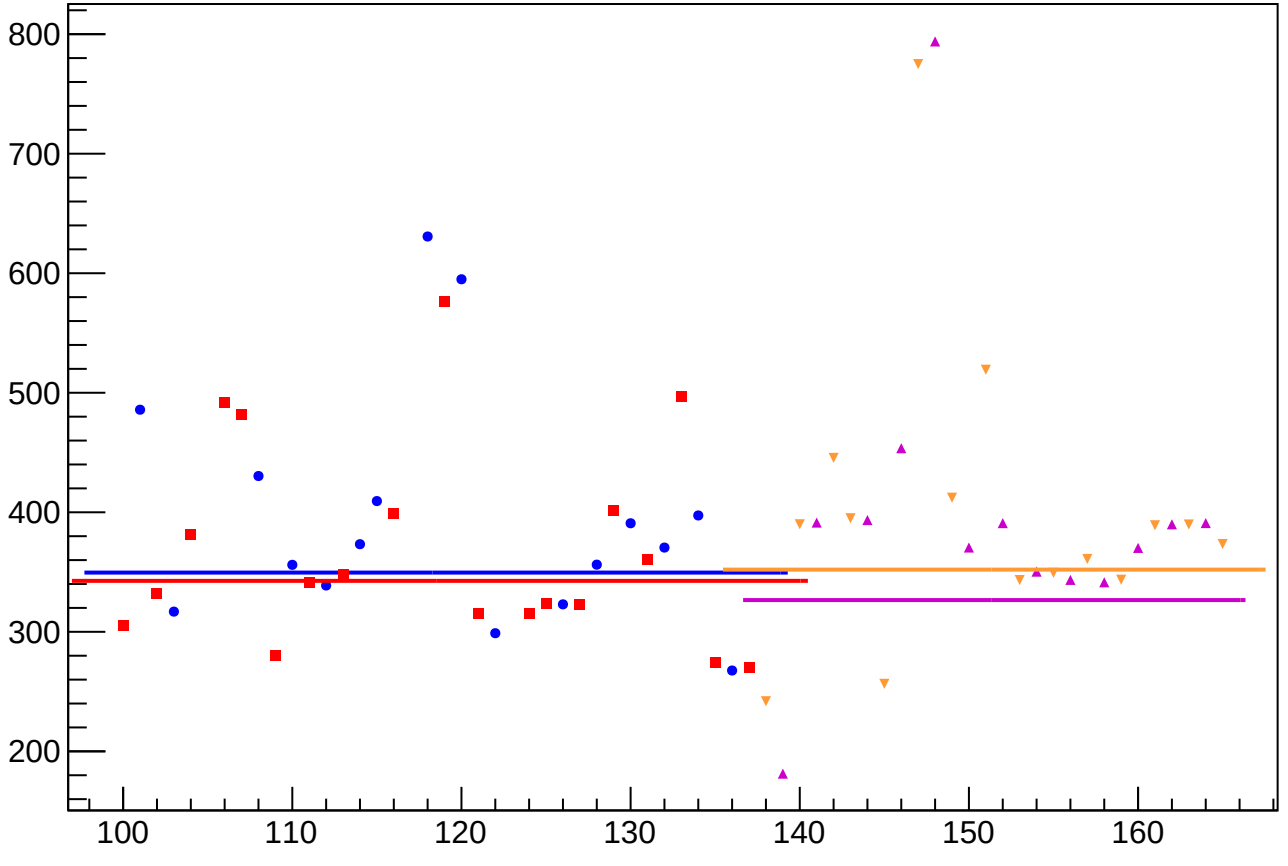
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.016+/-0.083 χ^2/NDF:14.9/28

Out: 0.022+/-0.082 χ^2/NDF:34.1/33

All: 0.003+/-0.058 χ^2/NDF: 49.2/62

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.048+/-0.076 χ^2/NDF:1260678.4/14

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 326.568+/-0.074 χ^2/NDF:2033721.2/12

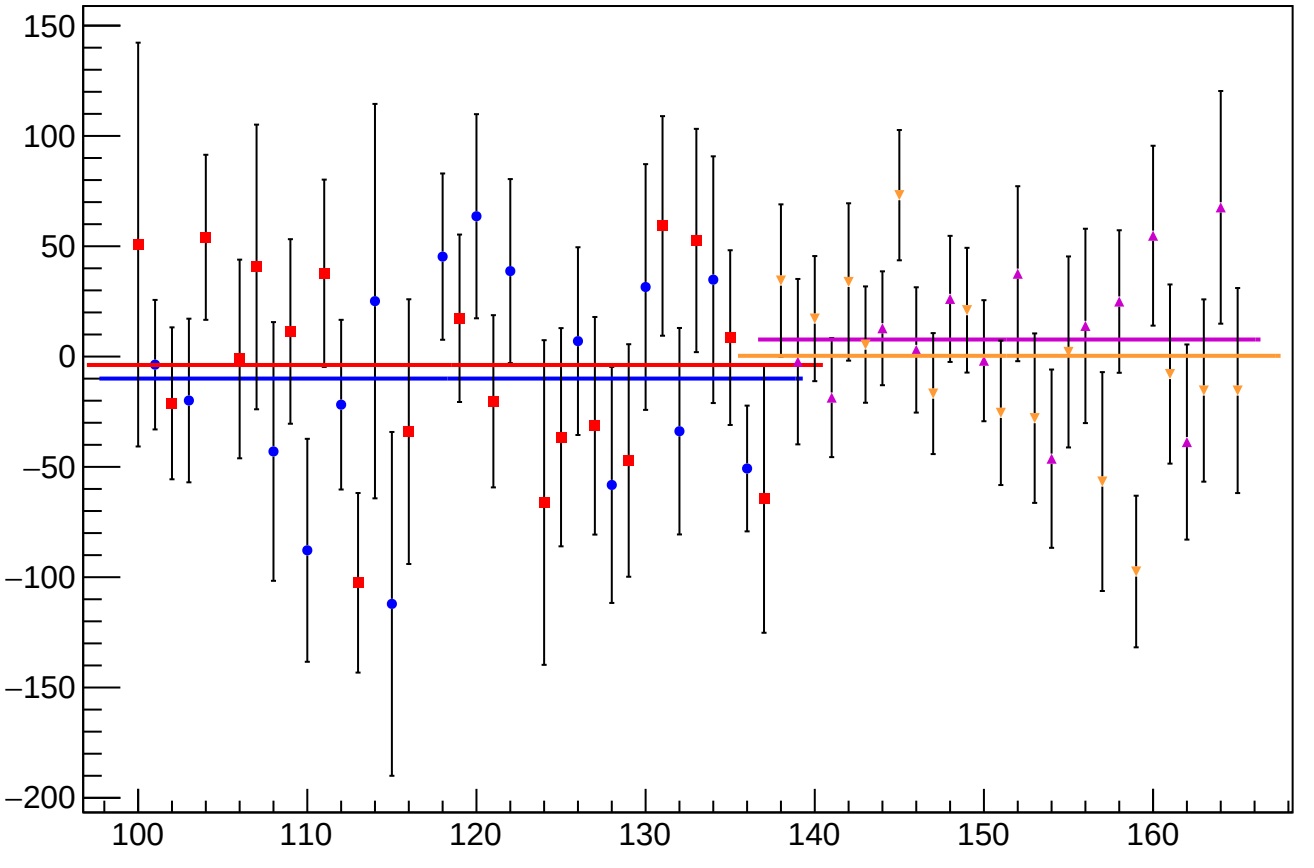
Left: 339.030+/-0.053 χ^2/NDF: 3352152.9/27

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 335.316+/-0.058 χ^2/NDF:2769610.2/28

Out: 348.204+/-0.058 χ^2/NDF:1842733.6/33

All: 341.769+/-0.041 χ^2/NDF: 4636761.0/62



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.729+/-9.295 χ^2/NDF:8.0/12

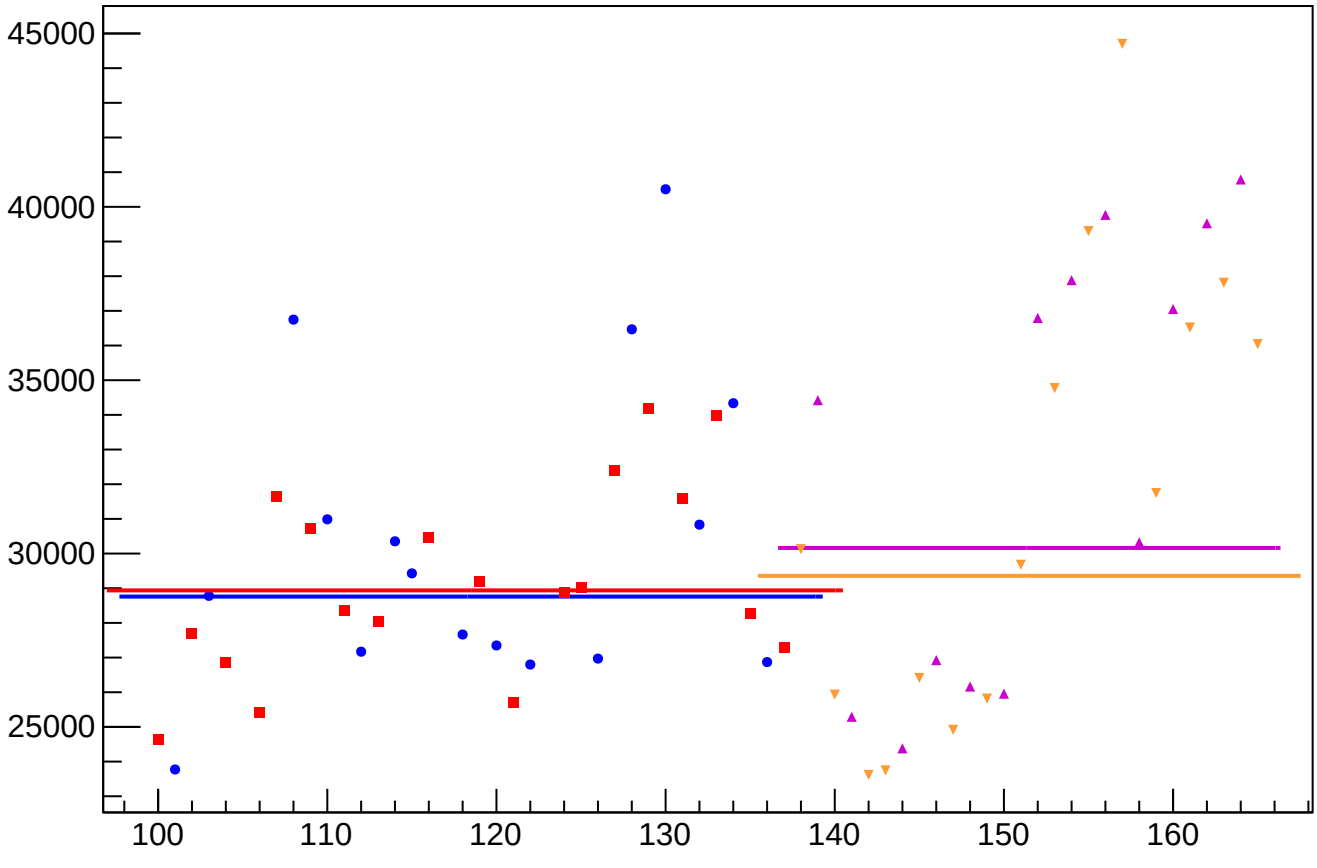
Left: 3.807+/-6.367 χ^2/NDF: 28.5/27

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.227+/-7.055 χ^2/NDF:24.8/28

Out: -1.335+/-6.753 χ^2/NDF:37.5/33

All: -0.588+/-4.878 χ^2/NDF: 62.4/62



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

Left: 29734.973+/-4.502 χ^2/NDF: 1573991.7/27

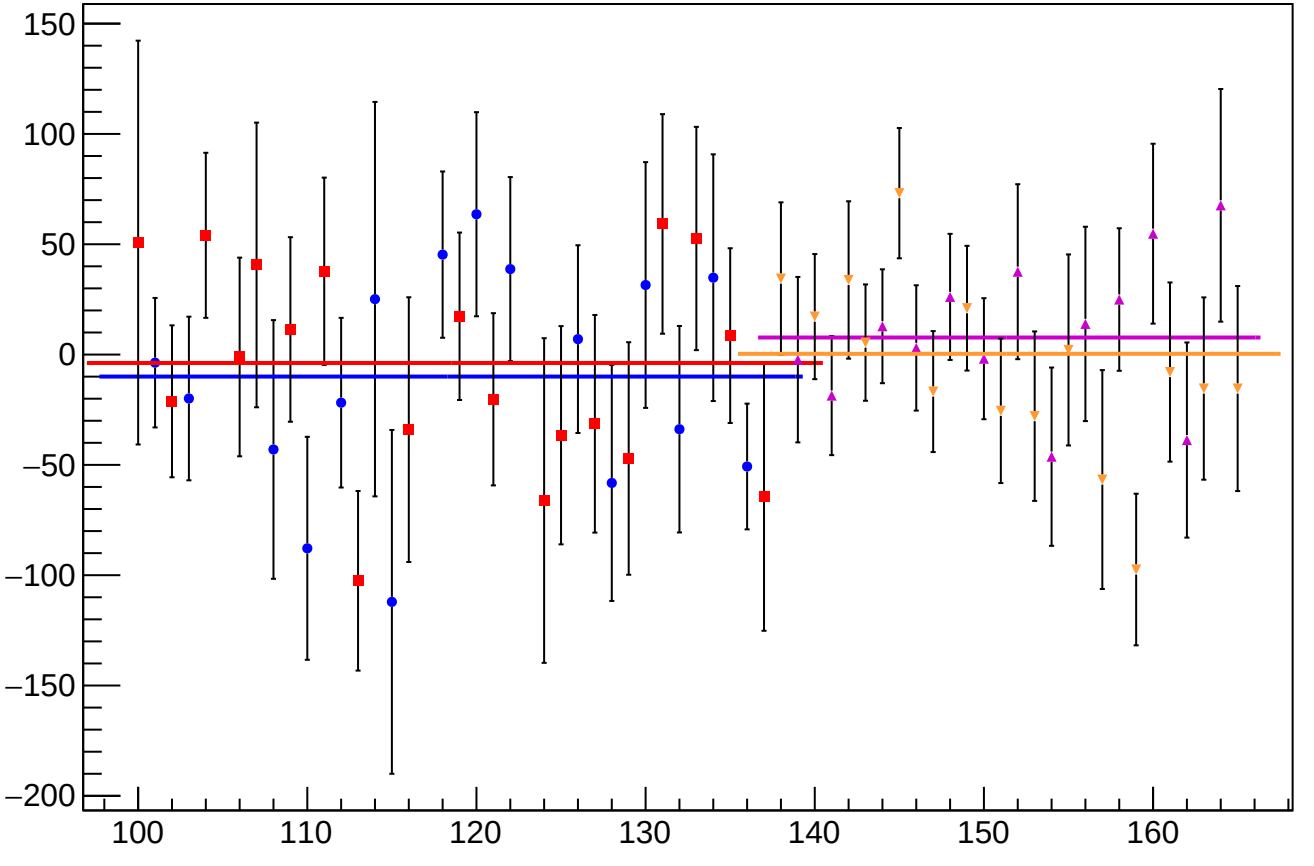
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29567.227+/-4.989 χ^2/NDF:1052733.5/28

Out: 29188.275+/-4.775 χ^2/NDF:918385.0/33

All: 29369.459+/-3.450 χ^2/NDF: 1974129.8/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.729+/-9.295 χ^2/NDF:8.0/12

Left: 3.807+/-6.367 χ^2/NDF: 28.5/27

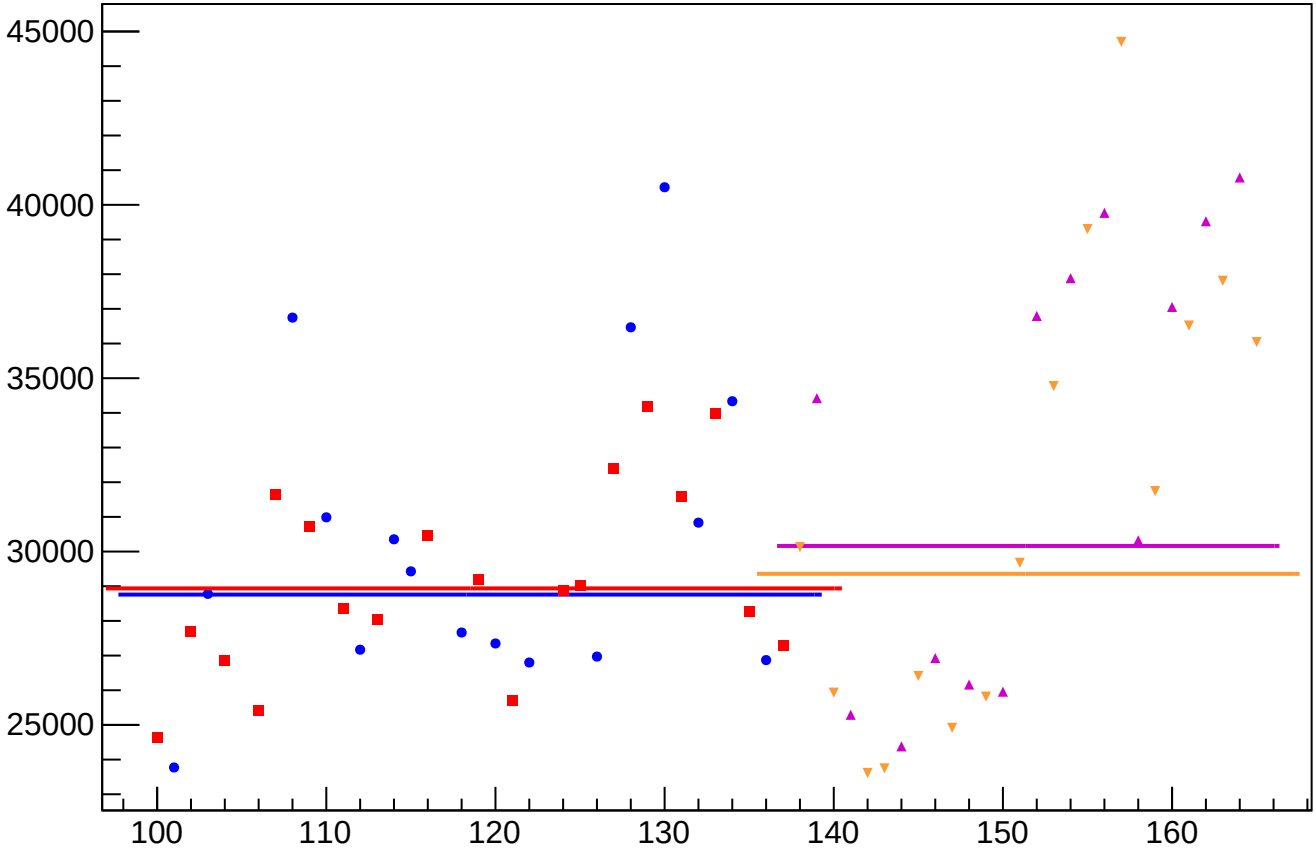
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.227+/-7.055 χ^2/NDF:24.8/28

Out: -1.335+/-6.753 χ^2/NDF:37.5/33

All: -0.588+/-4.878 χ^2/NDF: 62.4/62

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

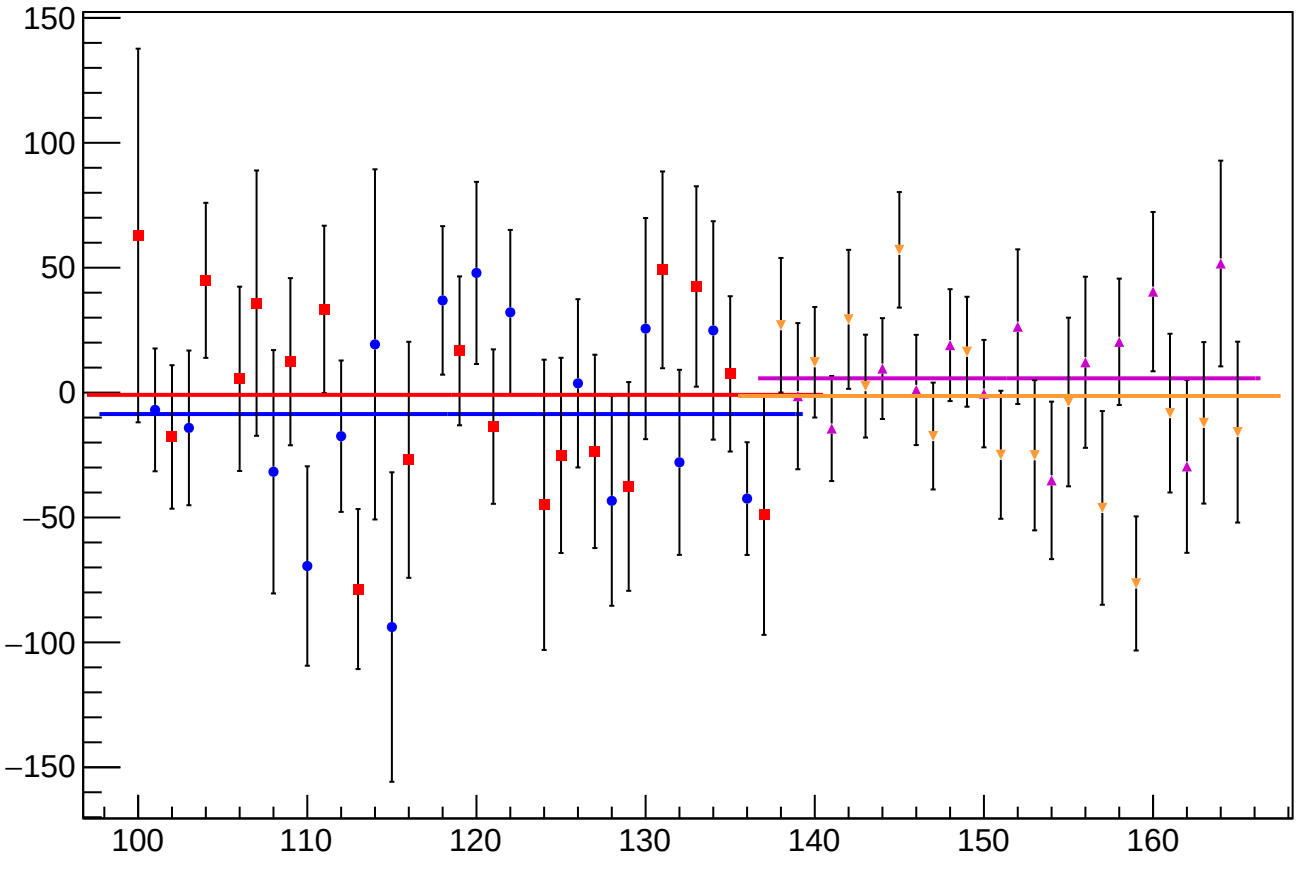
Left: 29734.973+/-4.502 χ^2/NDF: 1573991.7/27

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

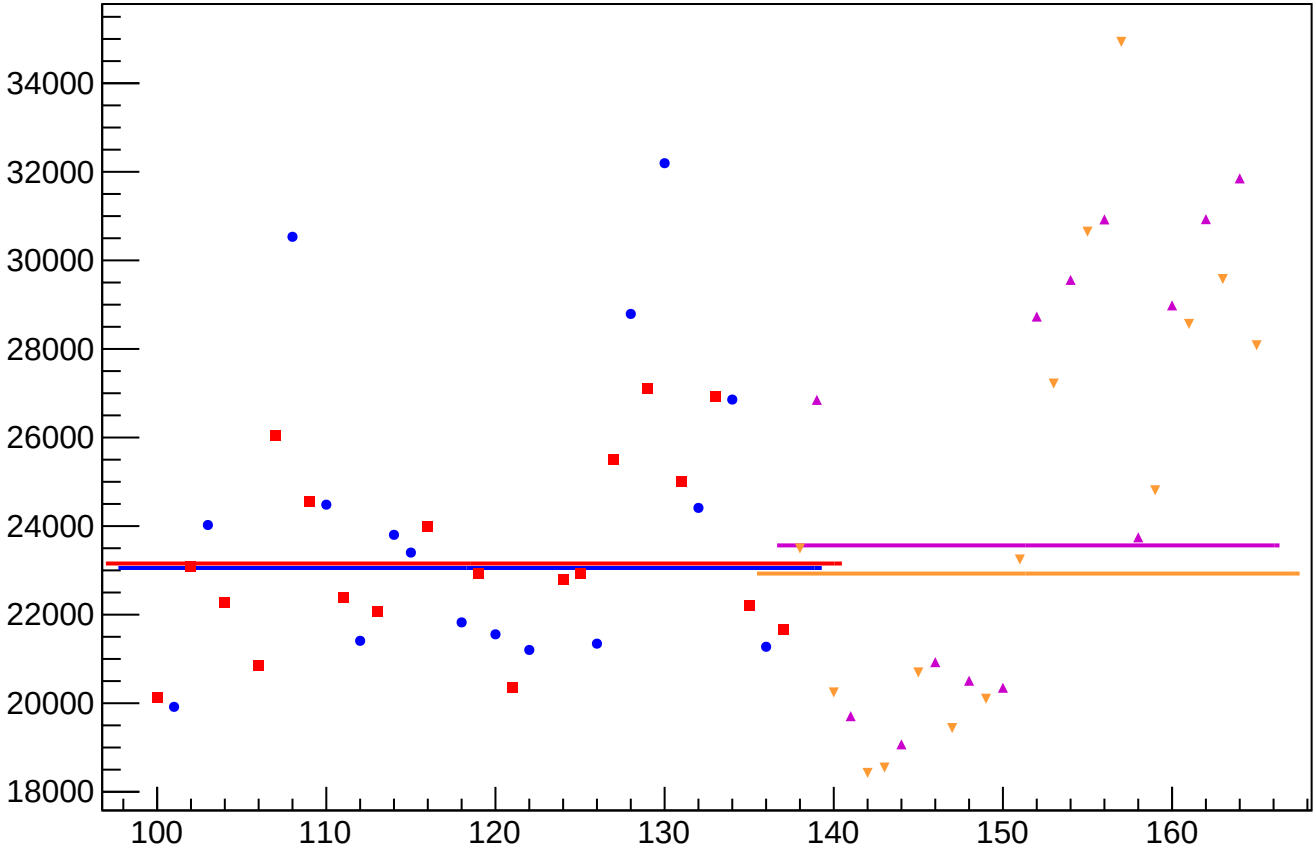
In: 29567.227+/-4.989 χ^2/NDF:1052733.5/28

Out: 29188.275+/-4.775 χ^2/NDF:918385.0/33

All: 29369.459+/-3.450 χ^2/NDF: 1974129.8/6


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: -1.346+/-6.826 χ²/NDF:21.3/14
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 5.715+/-7.261 χ²/NDF:7.5/12
Left: 1.966+/-4.974 χ²/NDF: 29.2/27
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -0.180+/-5.569 χ²/NDF:24.6/28
Out: -1.173+/-5.324 χ²/NDF:38.9/33
All: -0.699+/-3.848 χ²/NDF: 63.5/62

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22927.973+/-4.827 χ^2/NDF:813474.8/14

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 23564.164+/-5.135 χ^2/NDF:751974.7/12

Left: 23226.441+/-3.517 χ^2/NDF: 1573599.2/27

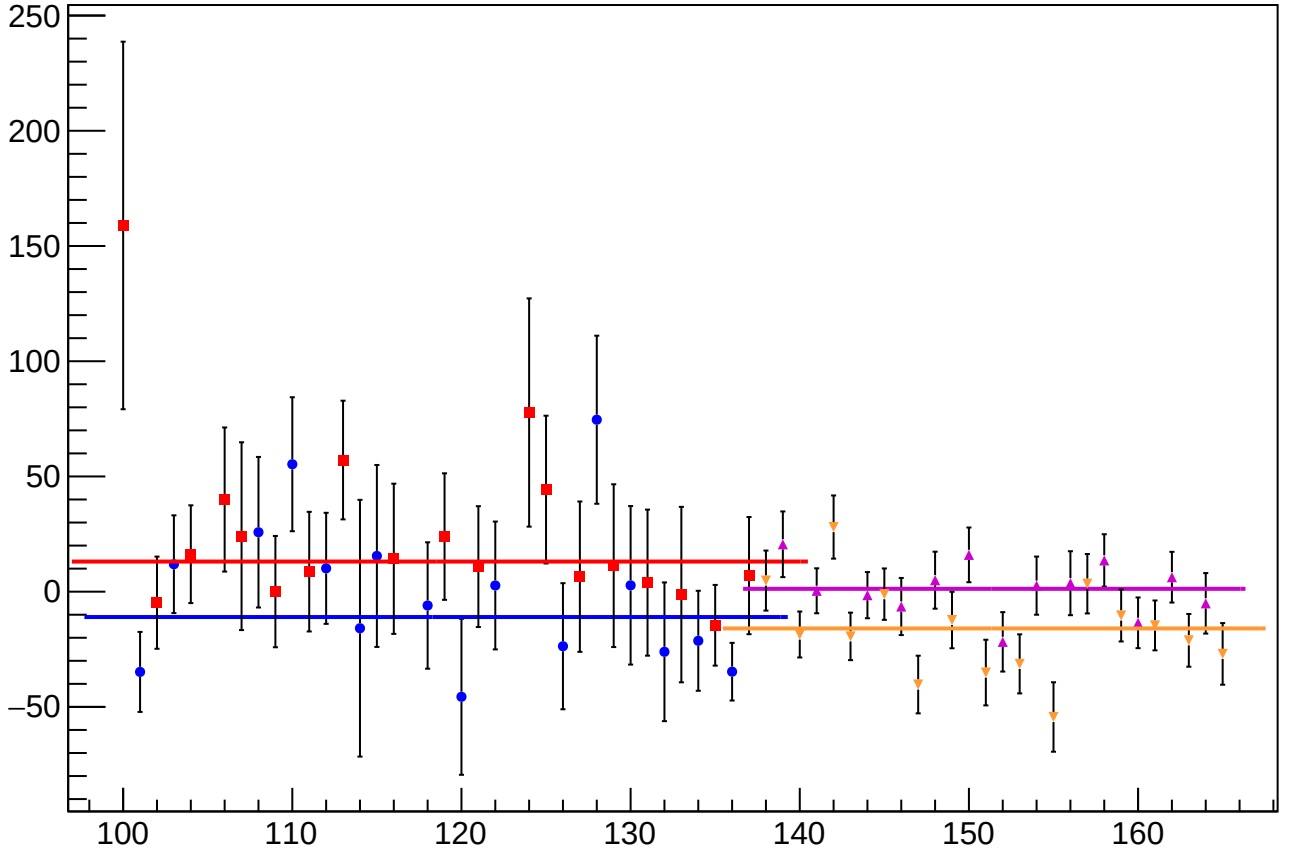
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 23354.044+/-3.938 χ^2/NDF:1017486.3/28

Out: 23017.010+/-3.765 χ^2/NDF:908237.4/33

All: 23177.944+/-2.721 χ^2/NDF: 1929551.0/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.953+/-3.118 χ^2/NDF:31.9/14

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.234+/-3.277 χ^2/NDF:10.6/12

Left: -7.788+/-2.259 χ^2/NDF: 56.9/27

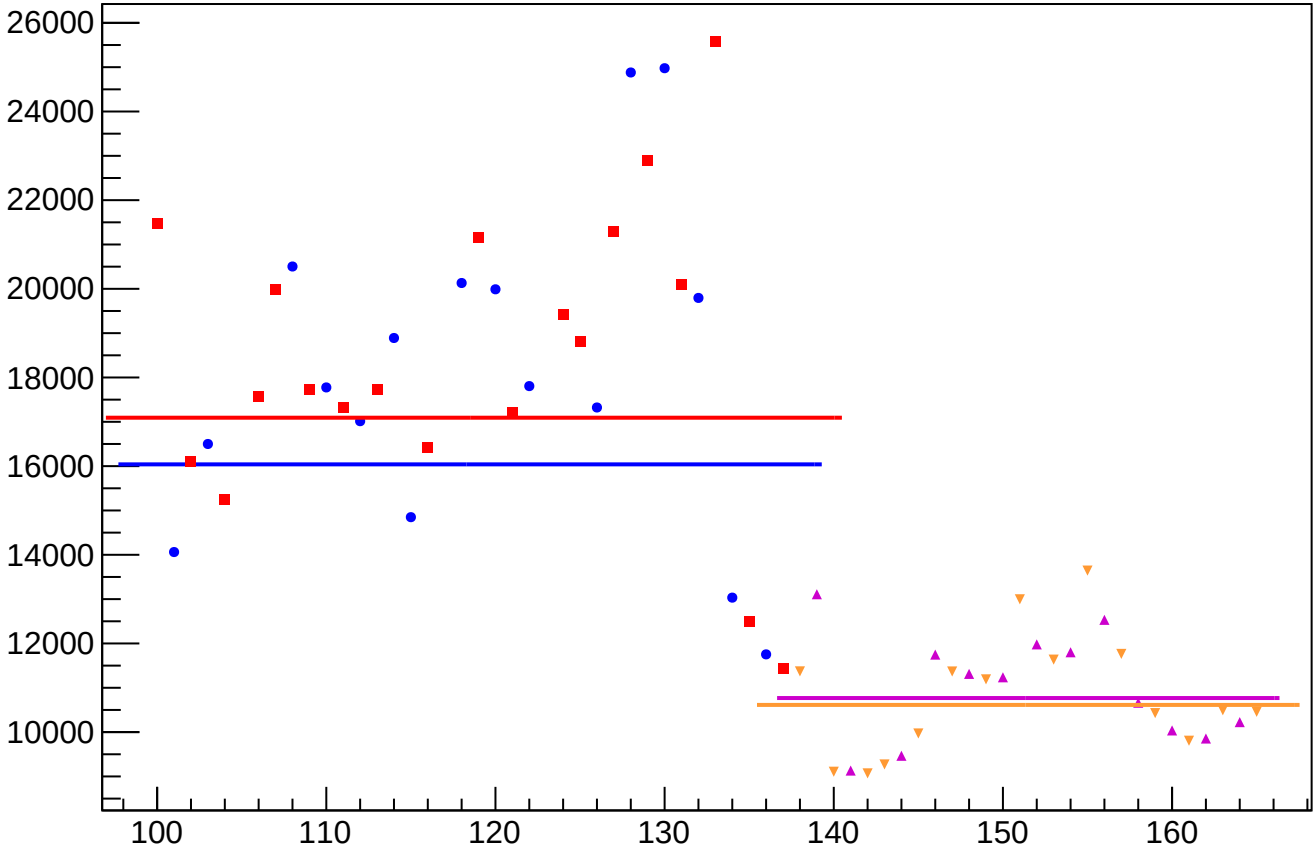
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -1.469+/-2.893 χ^2/NDF:35.7/28

Out: -10.361+/-2.801 χ^2/NDF:62.4/33

All: -6.058+/-2.012 χ^2/NDF: 103.0/62

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10613.483+/-2.205 χ^2/NDF:307908.1/14

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10768.678+/-2.317 χ^2/NDF:253098.3/12

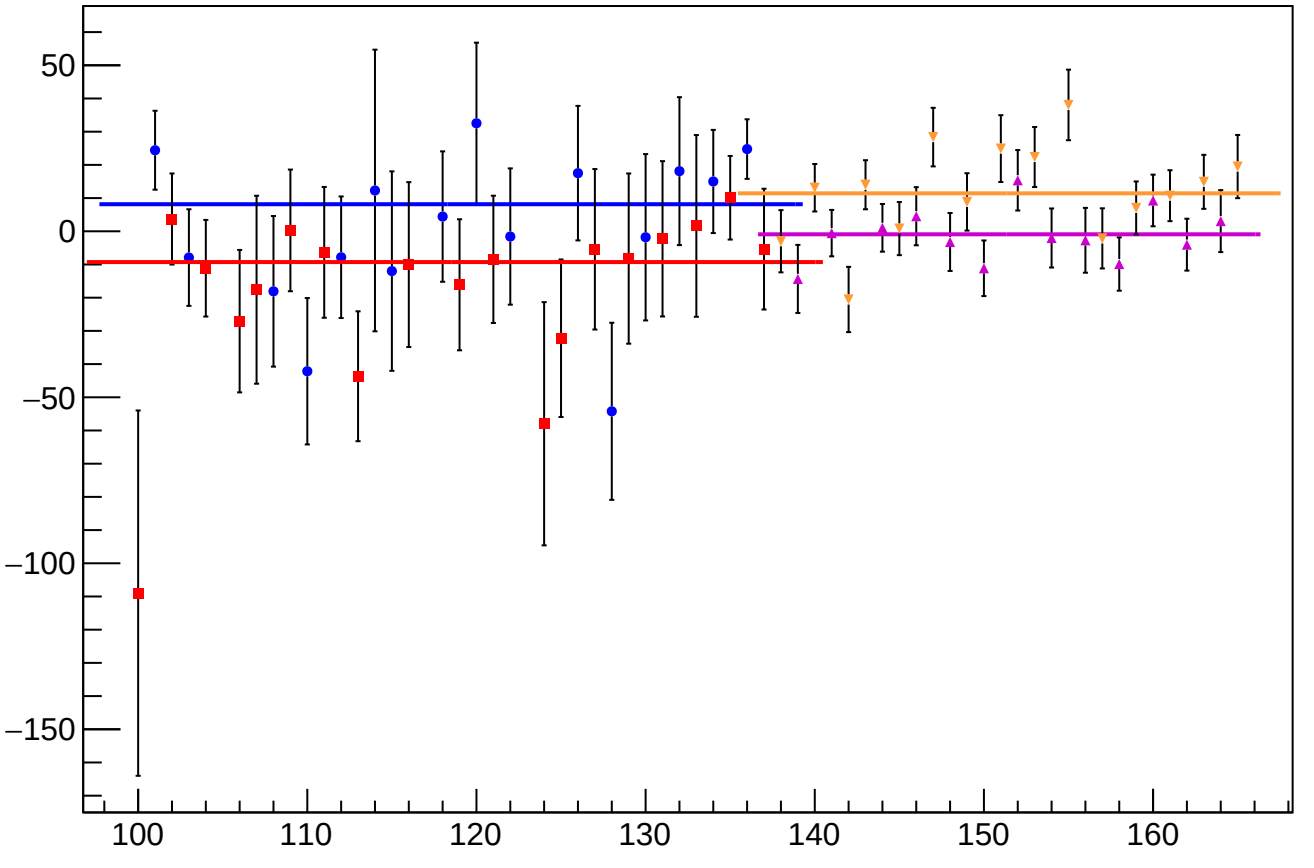
Left: 10687.208+/-1.597 χ^2/NDF: 563360.8/27

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11933.124+/-2.046 χ^2/NDF:2118732.5/28

Out: 11861.805+/-1.981 χ^2/NDF:2507634.9/33

All: 11896.319+/-1.423 χ^2/NDF: 4626994.8/6



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 11.432+/-2.217 χ^2/NDF:31.7/14

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.910+/-2.326 χ^2/NDF:10.3/12

Left: 5.557+/-1.605 χ^2/NDF: 56.7/27

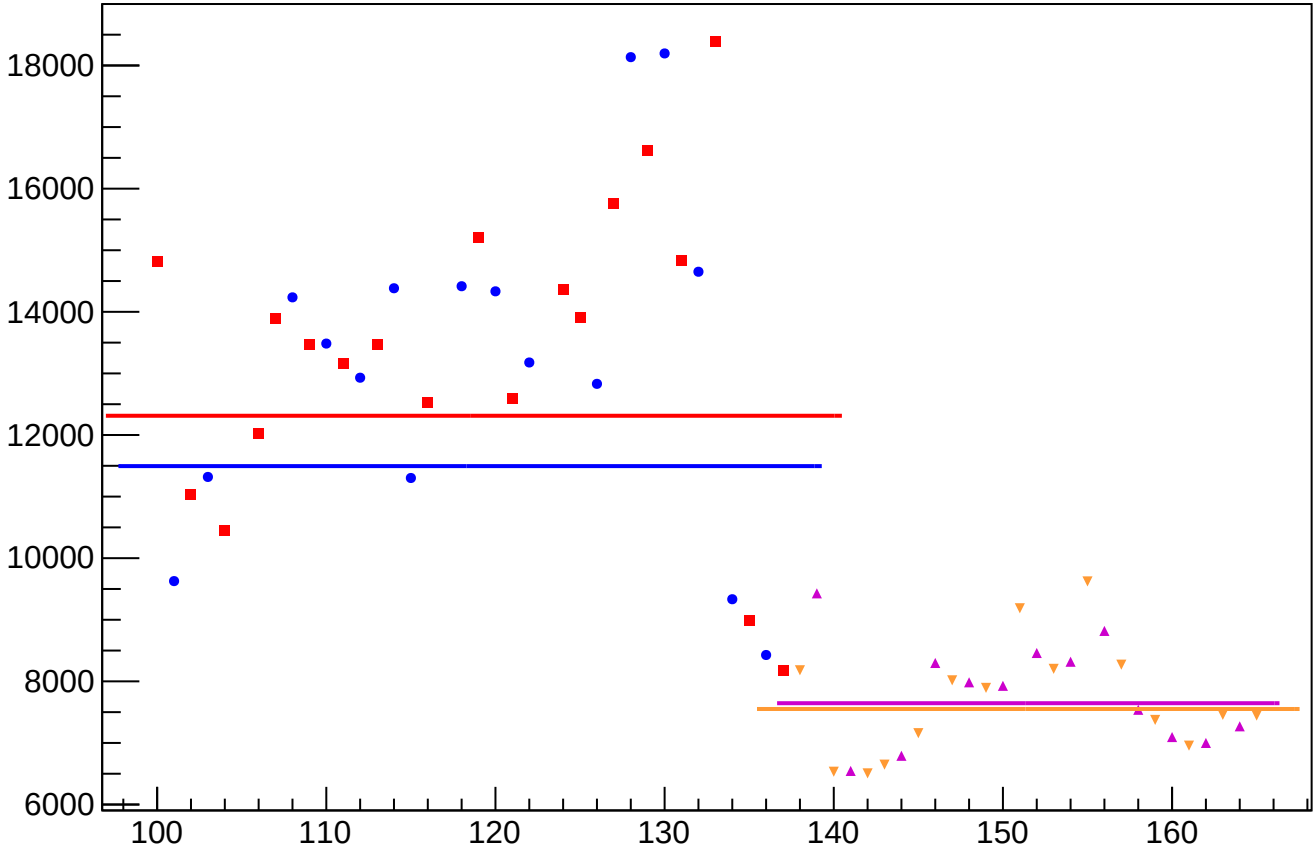
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.053+/-2.059 χ^2/NDF:35.4/28

Out: 7.540+/-1.998 χ^2/NDF:61.9/33

All: 4.394+/-1.434 χ^2/NDF: 102.4/62

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7551.337+/-1.567 χ^2/NDF:280968.5/14

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7645.250+/-1.645 χ^2/NDF:238278.2/12

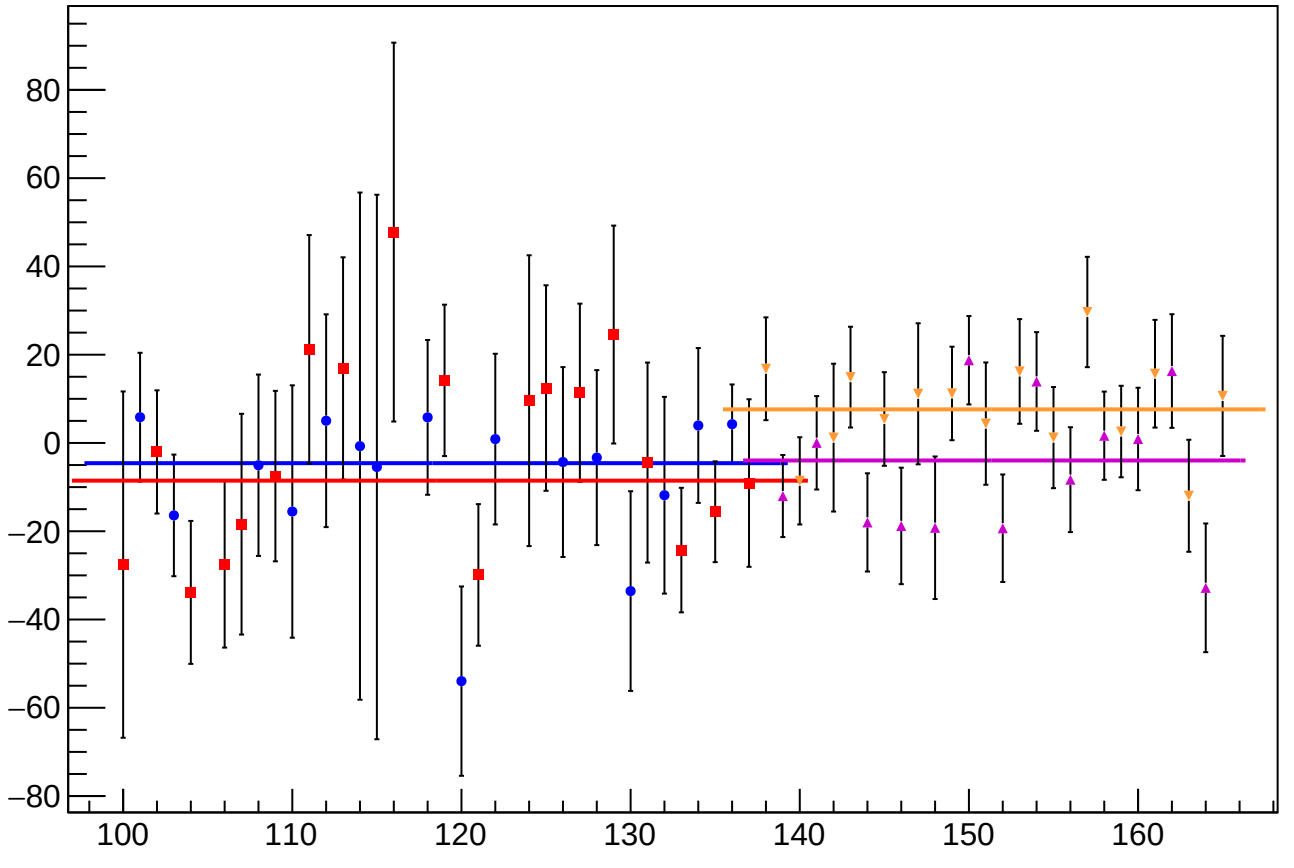
Left: 7596.037+/-1.135 χ^2/NDF: 520955.2/27

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8479.317+/-1.456 χ^2/NDF:2215238.8/28

Out: 8446.384+/-1.412 χ^2/NDF:2614155.3/33

All: 8462.354+/-1.014 χ^2/NDF: 4829657.7/62



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.620+/-3.093 χ^2/NDF:11.2/14

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -3.967+/-3.193 χ^2/NDF:21.0/12

Left: 2.010+/-2.221 χ^2/NDF: 38.9/27

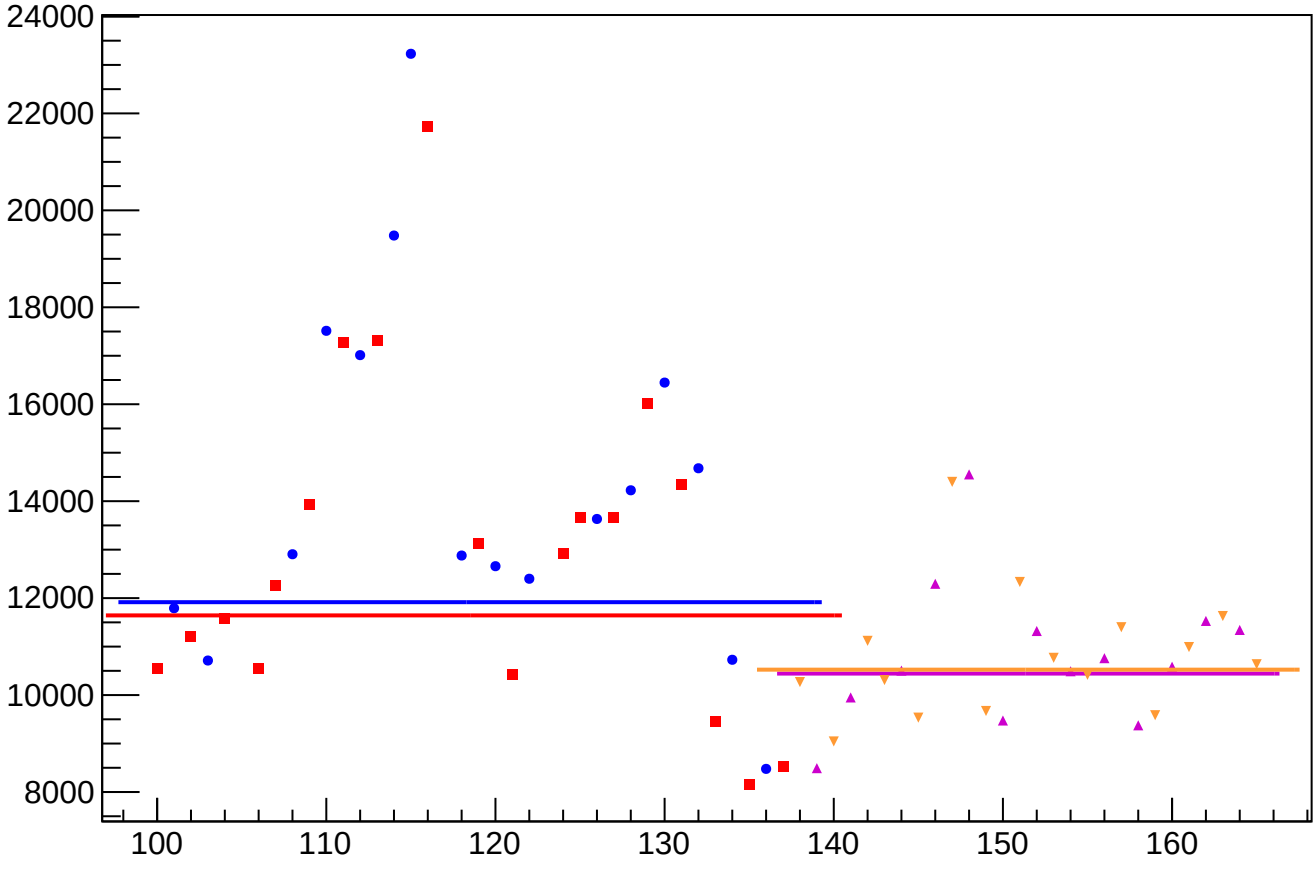
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.168+/-2.614 χ^2/NDF:31.2/28

Out: 2.264+/-2.529 χ^2/NDF:37.4/33

All: -0.846+/-1.818 χ^2/NDF: 71.7/62

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10524.333+/-2.187 χ^2/NDF:276643.6/14

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10443.586+/-2.258 χ^2/NDF:336843.4/12

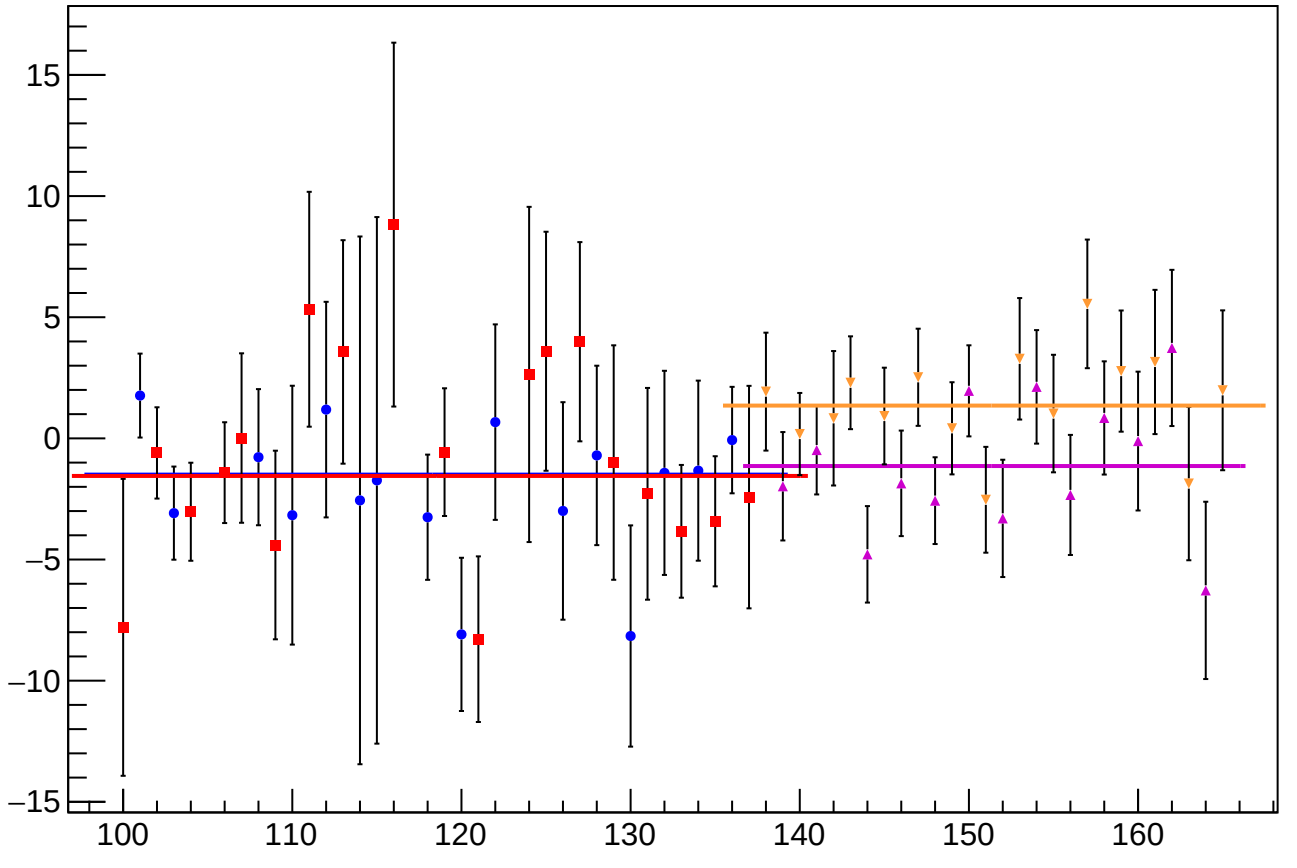
Left: 10485.239+/-1.571 χ^2/NDF: 614146.9/27

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10928.905+/-1.849 χ^2/NDF:1226862.3/28

Out: 10895.379+/-1.788 χ^2/NDF:1153825.7/33

All: 10911.586+/-1.285 χ^2/NDF: 2380857.9/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.353+/-0.593 χ^2/NDF:9.5/14

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.142+/-0.627 χ^2/NDF:15.2/12

Left: 0.174+/-0.431 χ^2/NDF: 33.0/27

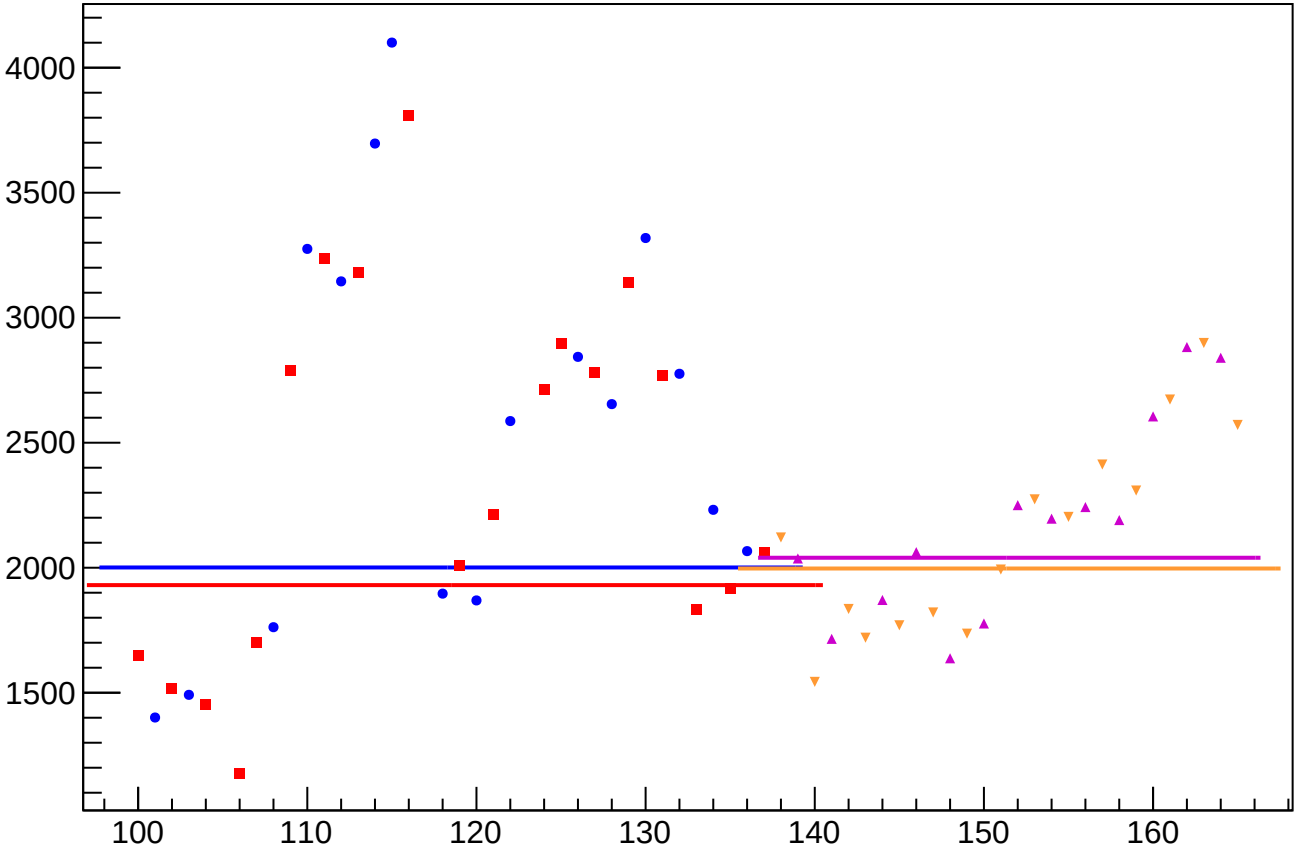
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.281+/-0.488 χ^2/NDF:27.9/28

Out: 0.226+/-0.464 χ^2/NDF:35.1/33

All: -0.490+/-0.336 χ^2/NDF: 67.9/62

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1996.870+/-0.420 χ^2/NDF:720854.6/14

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2039.882+/-0.443 χ^2/NDF:573206.2/12

Left: 2017.204+/-0.305 χ^2/NDF: 1299030.5/27

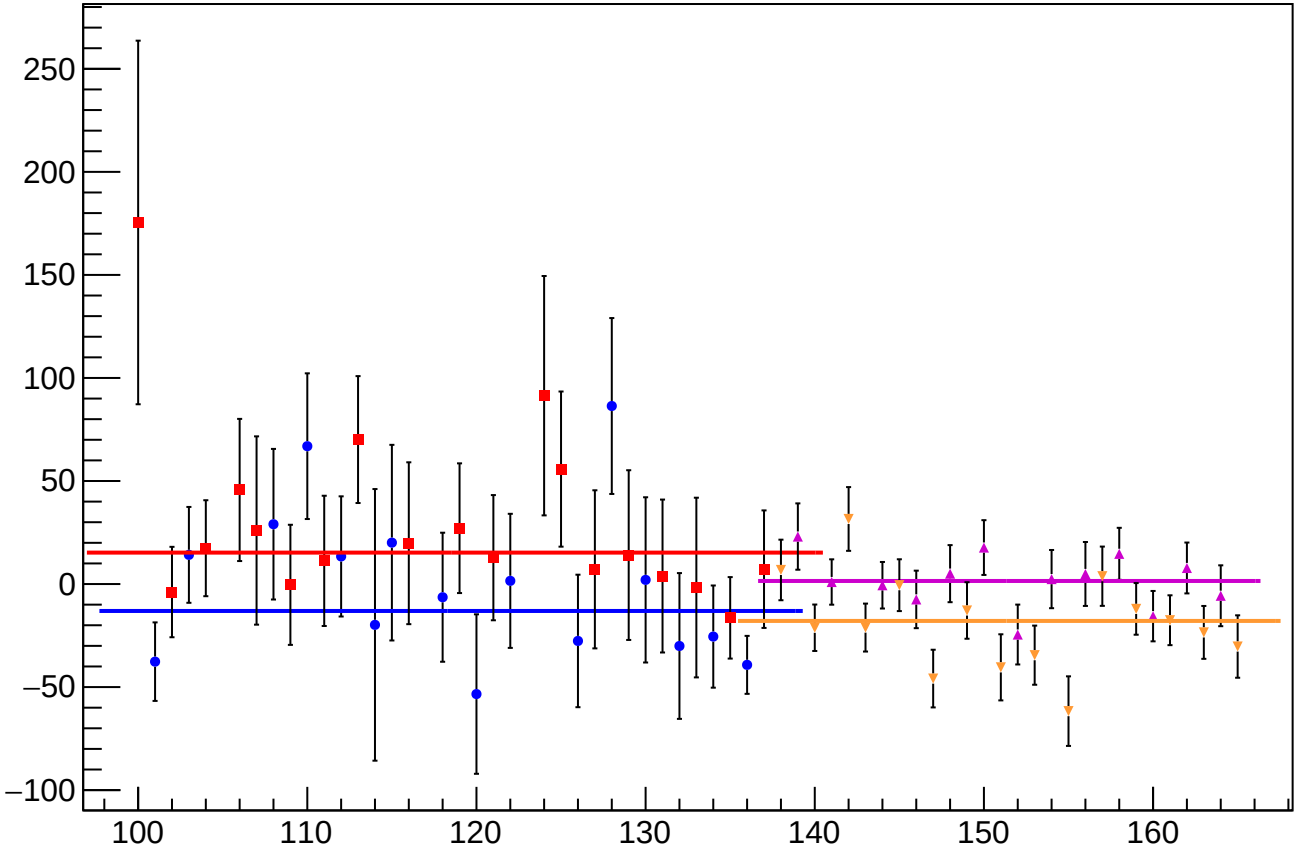
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2024.592+/-0.345 χ^2/NDF:1766019.4/28

Out: 1971.067+/-0.328 χ^2/NDF:2134147.2/33

All: 1996.478+/-0.238 χ^2/NDF: 3912802.0/62

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.899+/-3.502 χ^2/NDF:32.7/14

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 1.487+/-3.676 χ^2/NDF:10.6/12

Left: -8.676+/-2.535 χ^2/NDF: 57.8/27

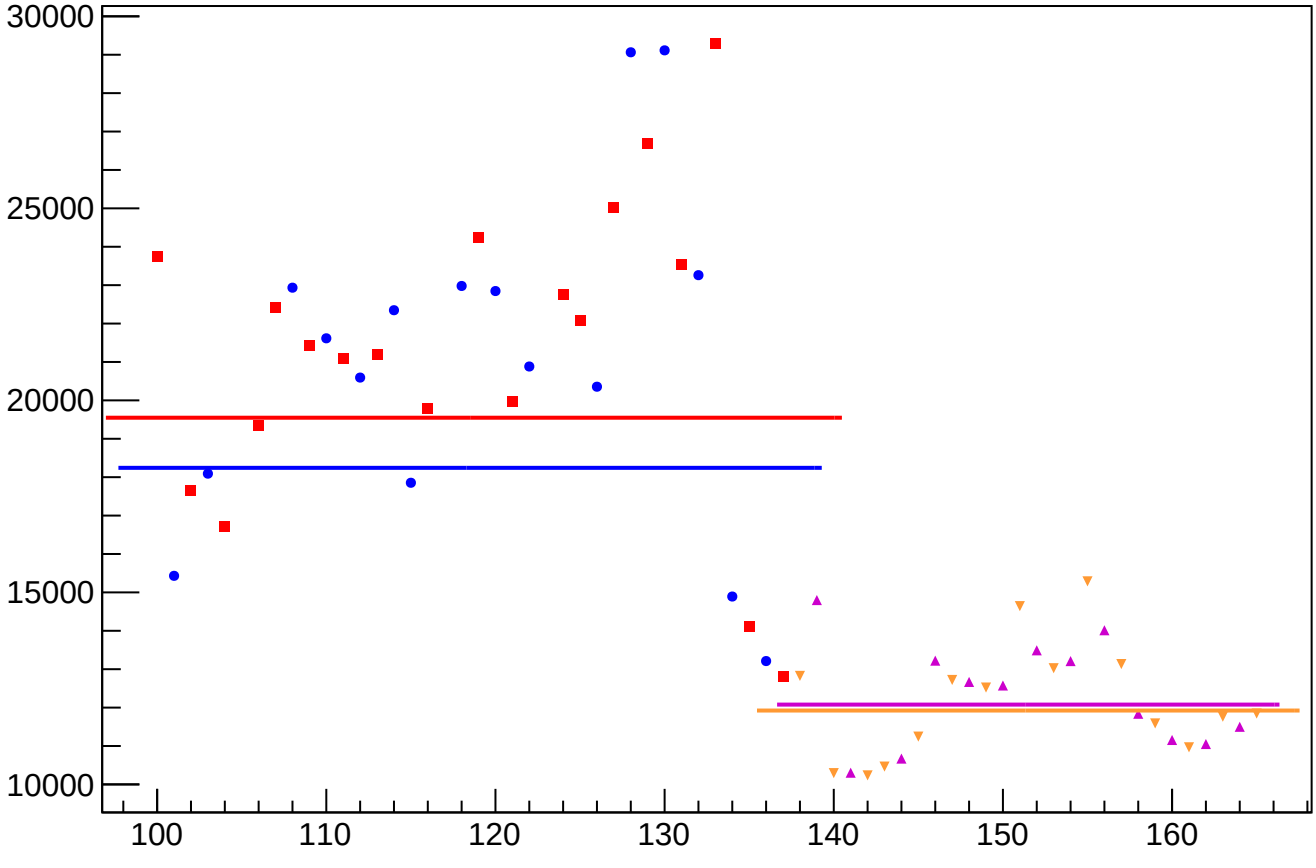
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -1.640+/-3.257 χ^2/NDF:35.8/28

Out: -11.726+/-3.159 χ^2/NDF:63.7/33

All: -6.838+/-2.268 χ^2/NDF: 104.4/62

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11923.692+/-2.476 χ^2/NDF:297924.7/14

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12078.281+/-2.599 χ^2/NDF:251914.2/12

Left: 11997.235+/-1.793 χ^2/NDF: 551693.3/27

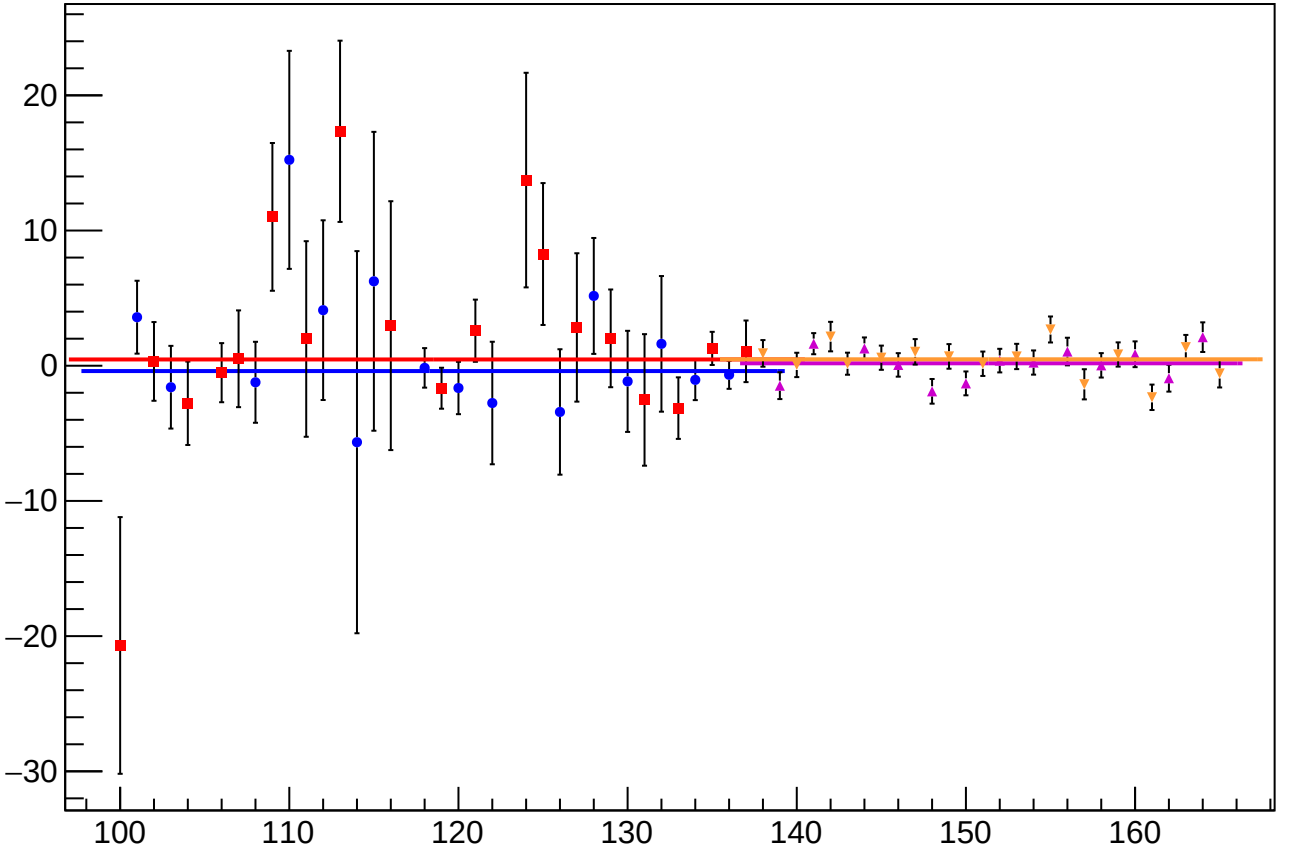
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13403.062+/-2.303 χ^2/NDF:2280597.8/28

Out: 13343.387+/-2.234 χ^2/NDF:2685259.0/33

All: 13372.311+/-1.603 χ^2/NDF: 4966202.7/6

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.476+/-0.243 χ^2/NDF:22.6/14

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.180+/-0.253 χ^2/NDF:21.7/12

Left: 0.333+/-0.175 χ^2/NDF: 45.1/27

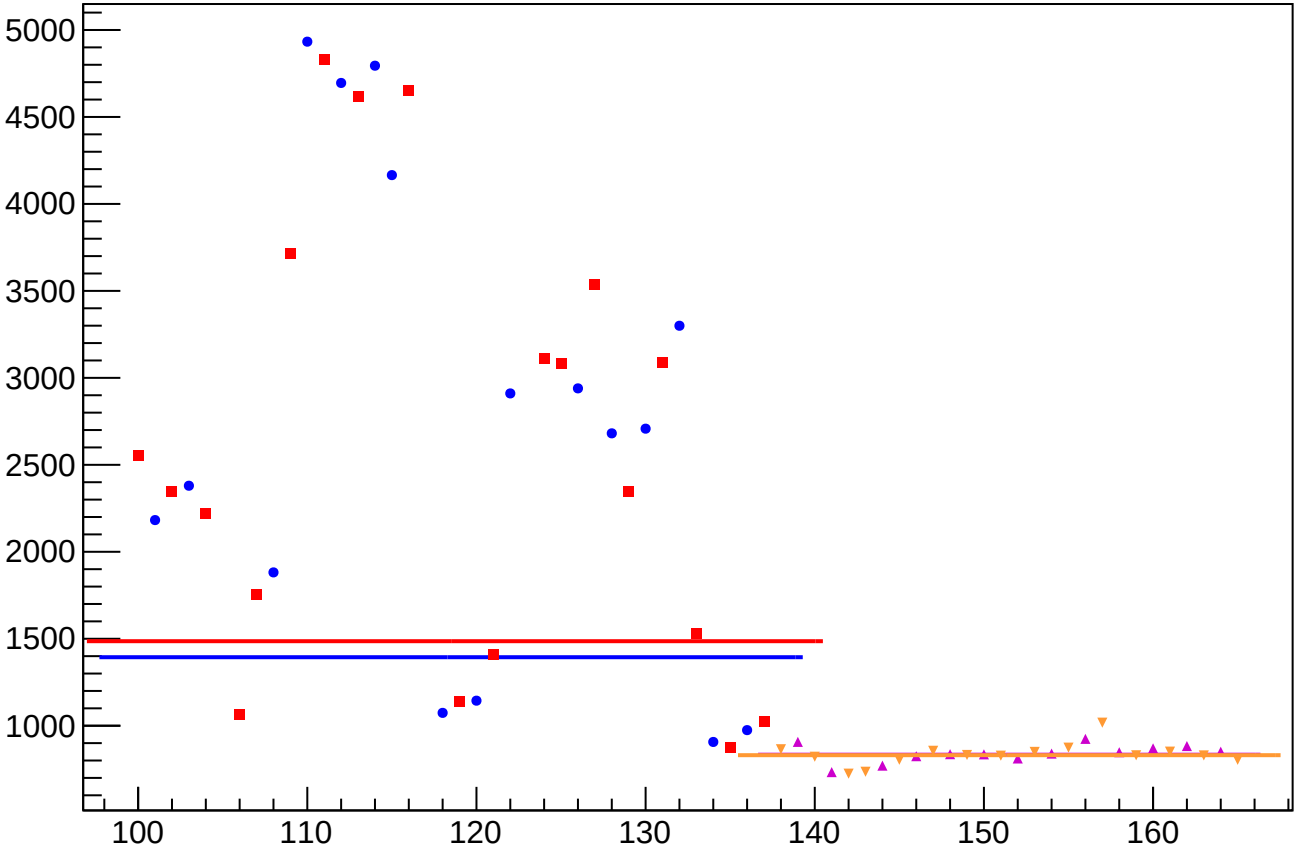
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.093+/-0.233 χ^2/NDF:32.9/28

Out: 0.474+/-0.227 χ^2/NDF:50.7/33

All: 0.289+/-0.162 χ^2/NDF: 85.0/62

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.655+/-0.172 χ^2/NDF:115260.7/14

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 833.495+/-0.179 χ^2/NDF:82313.4/12

Left: 832.018+/-0.124 χ^2/NDF: 197705.5/27

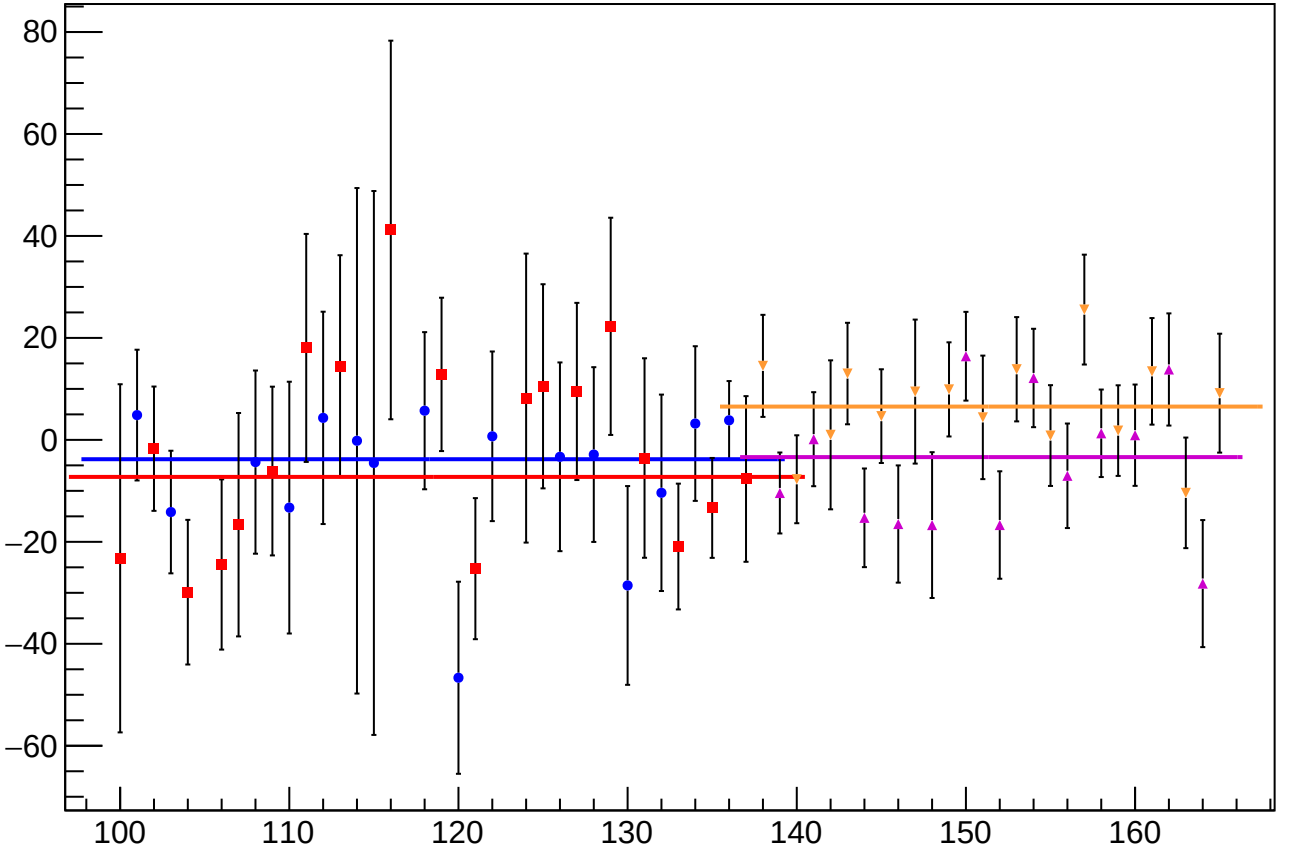
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 917.838+/-0.165 χ^2/NDF:4944888.3/28

Out: 914.482+/-0.160 χ^2/NDF:5378231.2/33

All: 916.115+/-0.115 χ^2/NDF: 10323332.8/62

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.530+/-2.676 χ^2/NDF:11.3/14

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.379+/-2.756 χ^2/NDF:21.0/12

Left: 1.723+/-1.920 χ^2/NDF: 39.0/27

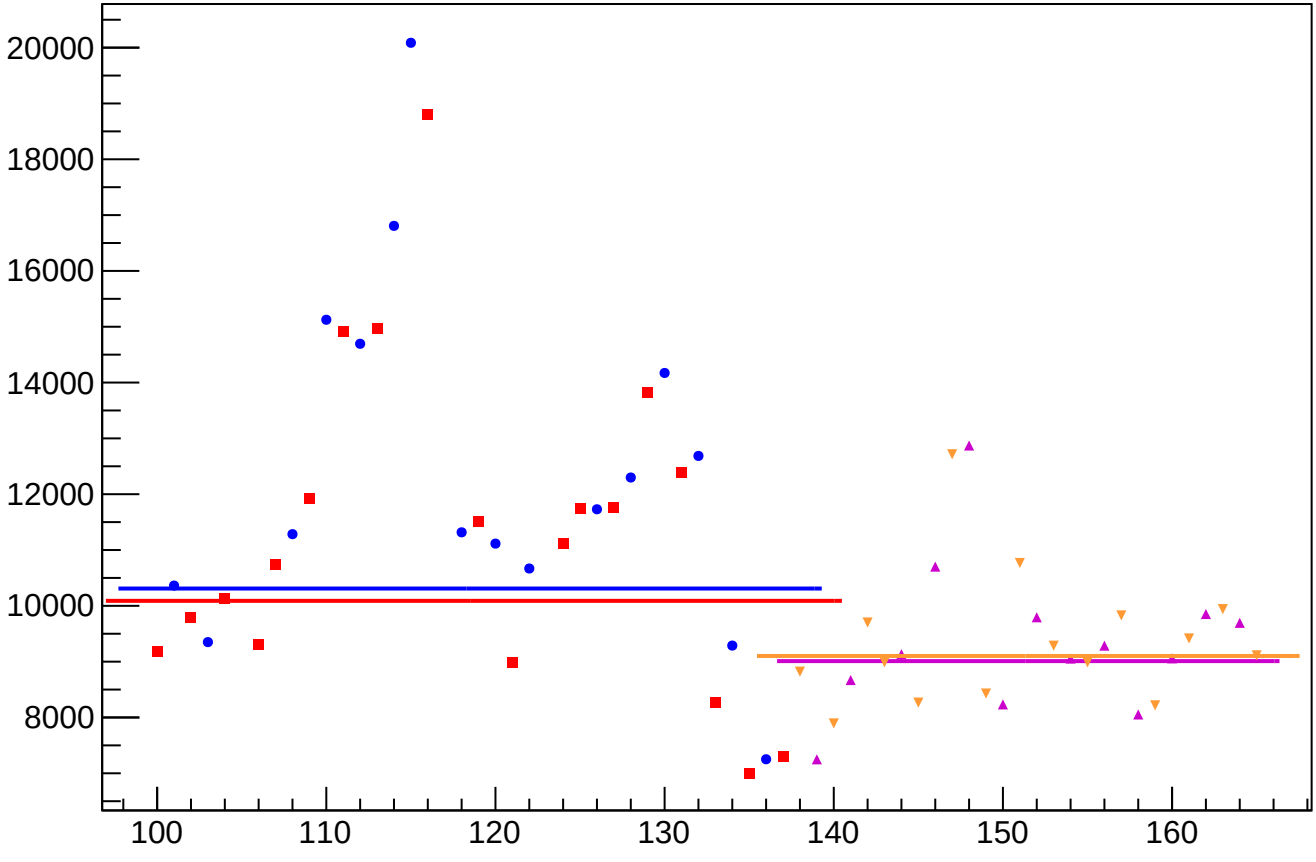
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.515+/-2.259 χ^2/NDF:31.1/28

Out: 1.969+/-2.189 χ^2/NDF:37.4/33

All: -0.687+/-1.572 χ^2/NDF: 71.5/62

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9101.973+/-1.892 χ^2/NDF:283974.3/14

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9009.797+/-1.949 χ^2/NDF:361741.5/12

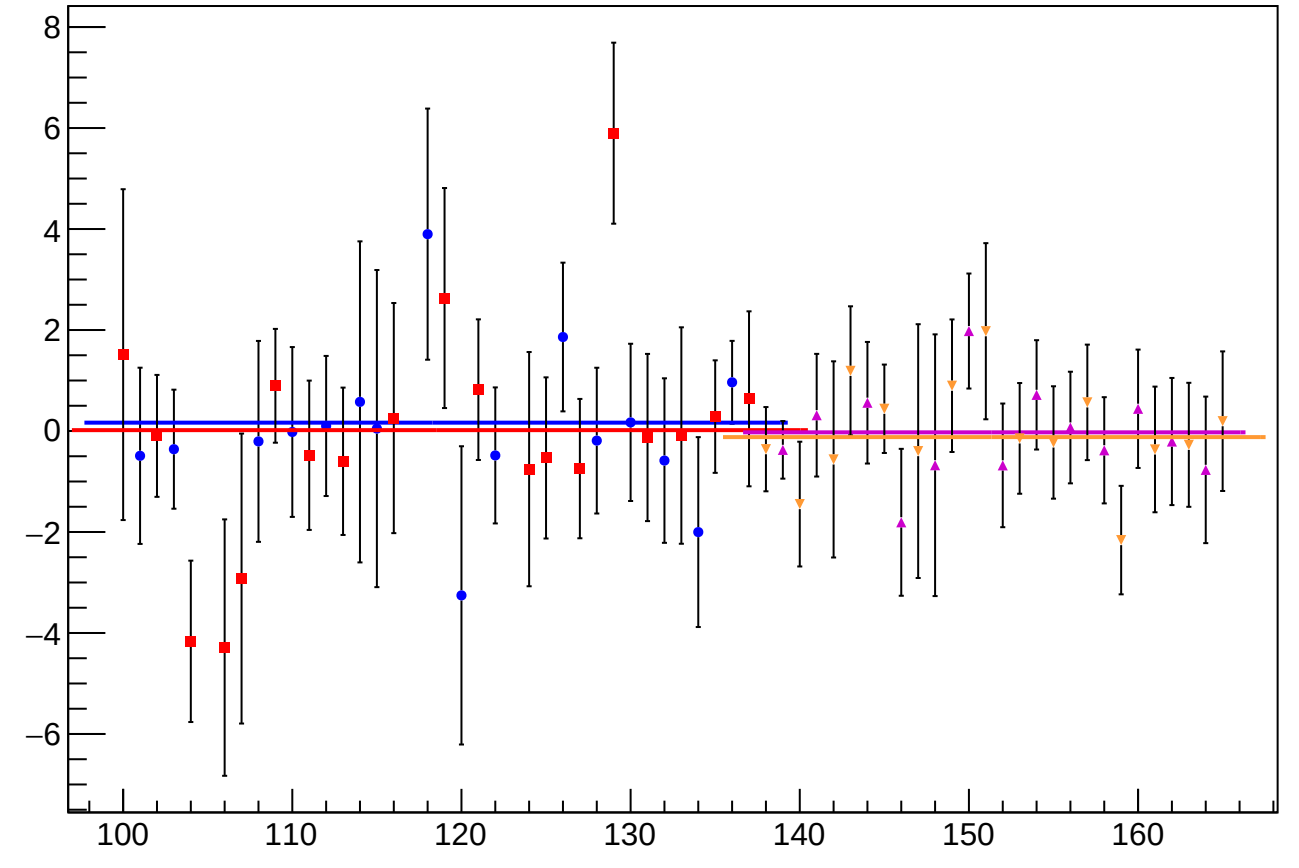
Left: 9057.252+/-1.358 χ^2/NDF: 646867.3/27

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9436.583+/-1.597 χ^2/NDF:1278330.4/28

Out: 9428.541+/-1.548 χ^2/NDF:1166855.7/33

All: 9432.435+/-1.112 χ^2/NDF: 2445199.1/62



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.121+/-0.309 χ^2/NDF:8.9/14

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.026+/-0.303 χ^2/NDF:6.7/12

Left: -0.073+/-0.216 χ^2/NDF: 15.6/27

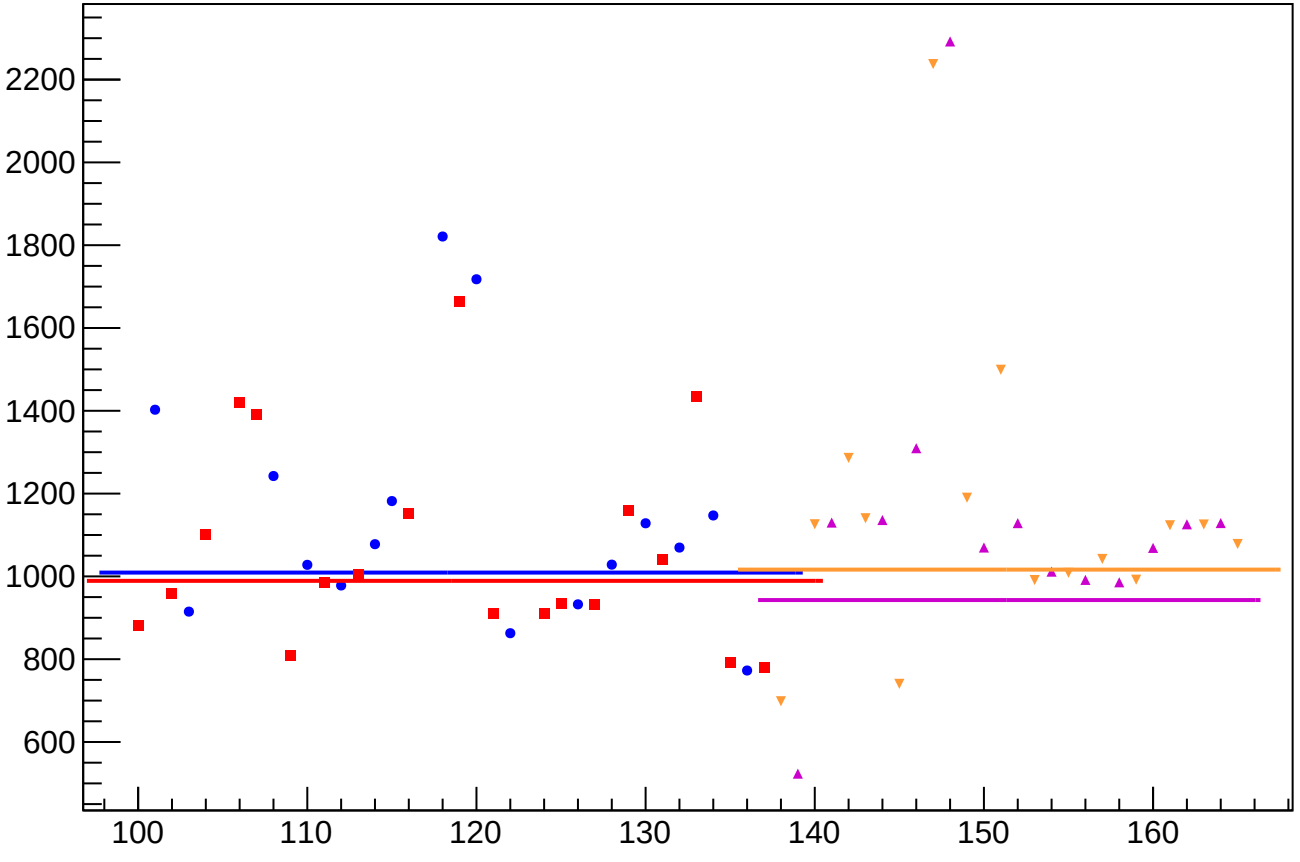
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.047+/-0.238 χ^2/NDF:14.9/28

Out: -0.064+/-0.238 χ^2/NDF:34.1/33

All: -0.009+/-0.168 χ^2/NDF: 49.2/62

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1016.403+/-0.219 χ^2/NDF:1260678.4/14

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 942.841+/-0.214 χ^2/NDF:2033721.2/12

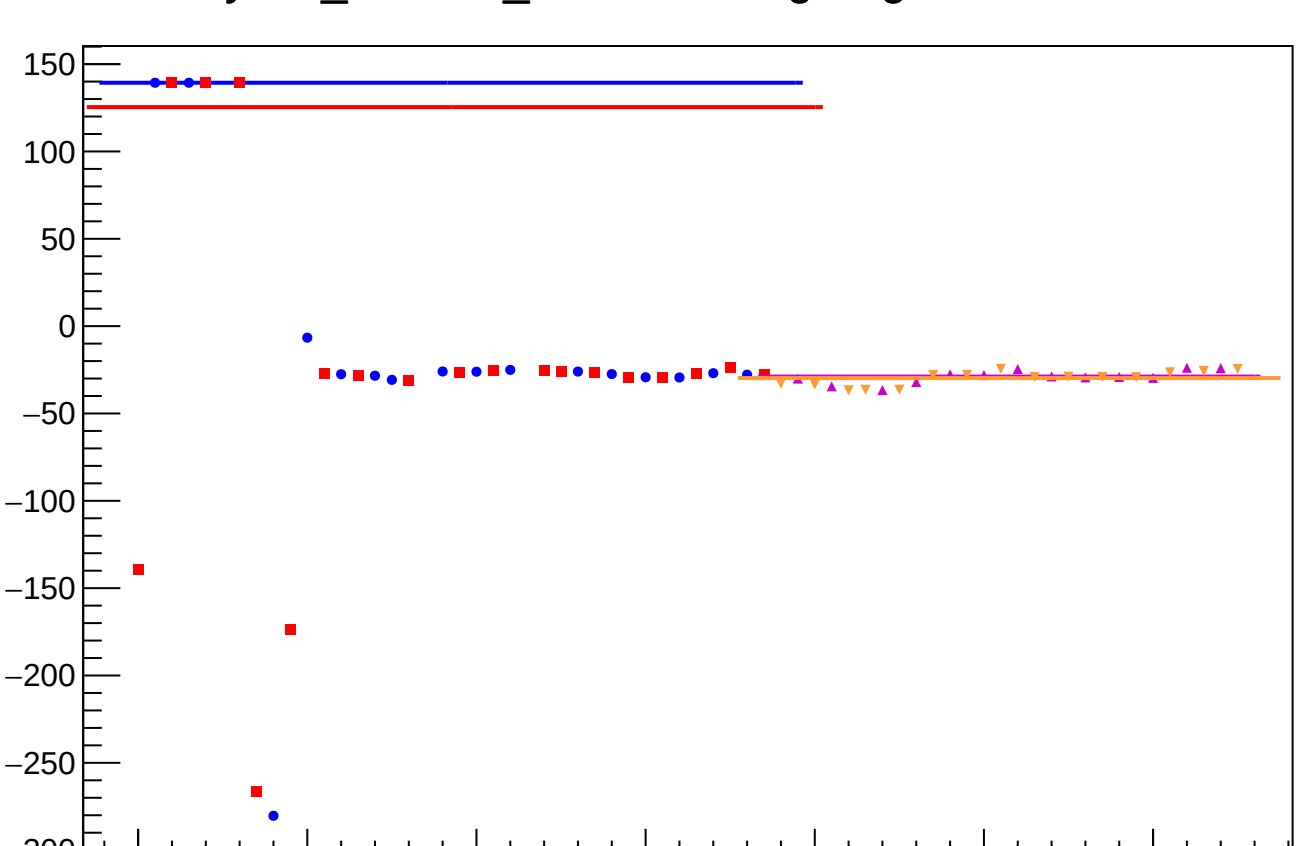
Left: 978.818+/-0.153 χ^2/NDF: 3352152.9/27

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

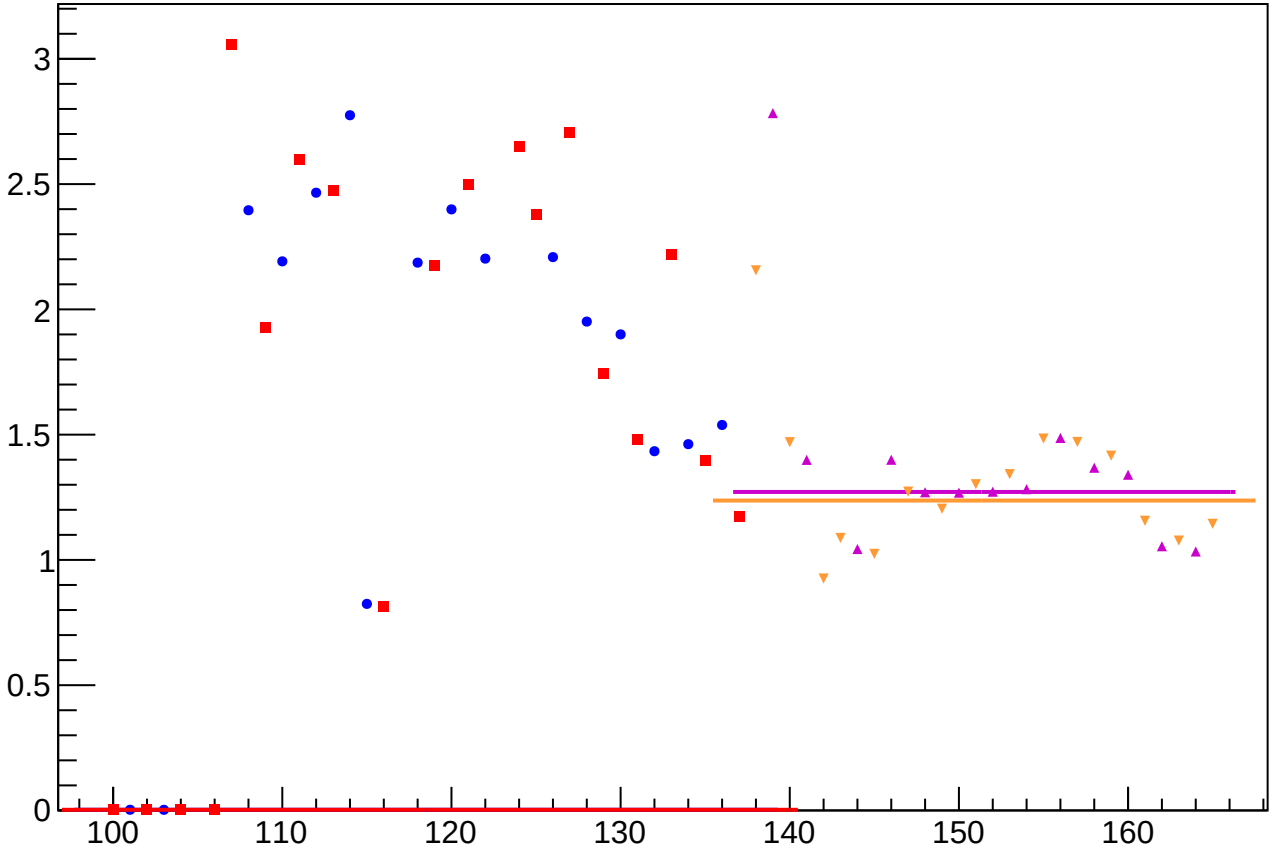
In: 968.097+/-0.168 χ^2/NDF:2769610.2/28

Out: 1005.305+/-0.168 χ^2/NDF:1842733.6/33

All: 986.728+/-0.119 χ^2/NDF: 4636761.0/62


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -29.721+/-0.000 χ²/NDF:112114720.7/14
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -28.877+/-0.000 χ²/NDF:85708224.6/12
Left: -29.325+/-0.000 χ²/NDF: 199856911.6/27
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.332+/-0.000 χ²/NDF:199257132774.9/28
Out: 125.387+/-0.000 χ²/NDF:774319487573444.
All: 131.813+/-0.000 χ²/NDF: 793302614917

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:563715.7/14

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.271+/-0.000 χ^2/NDF:721866.8/12

Left: 1.253+/-0.000 χ^2/NDF: 1292269.5/27

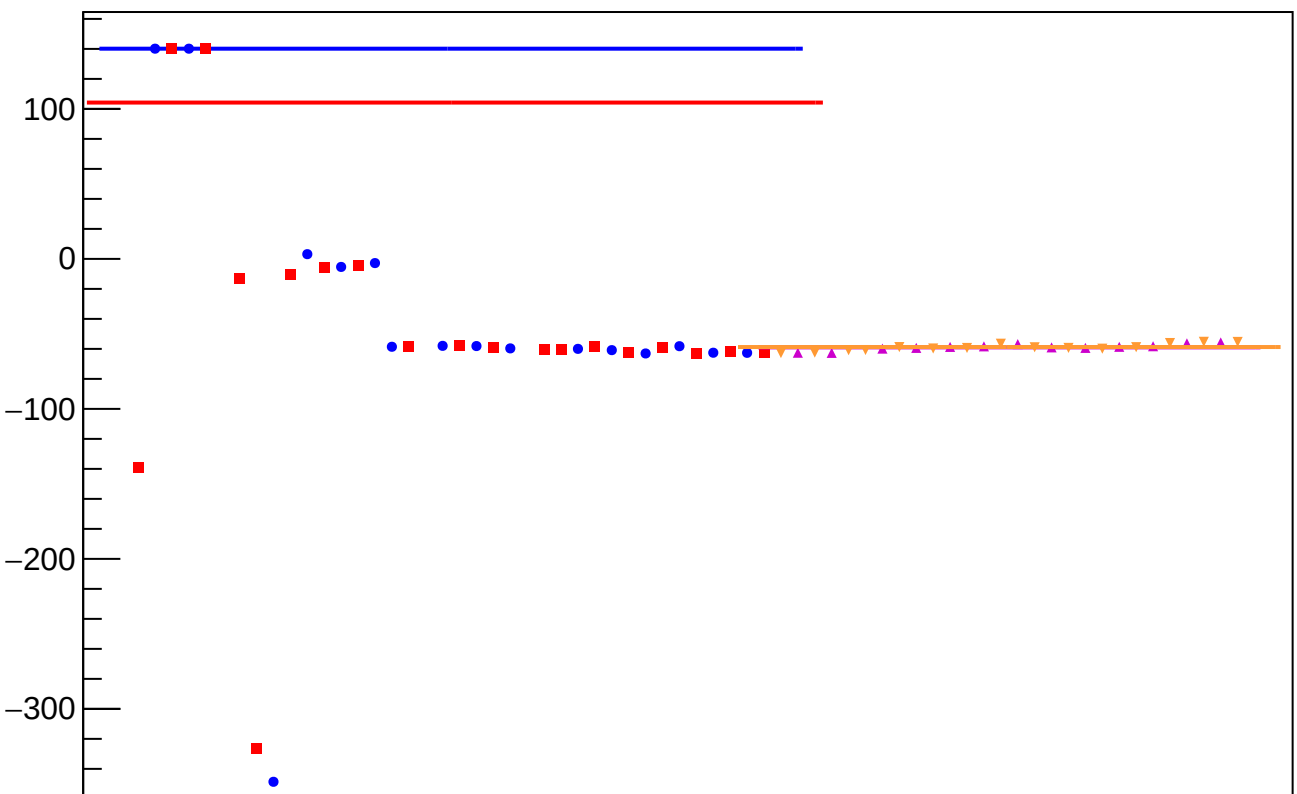
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:27586999.1/28

Out: 0.003+/-0.000 χ^2/NDF:28822088.7/33

All: 0.003+/-0.000 χ^2/NDF: 56409299.2/62

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.769+/-0.000 χ^2/NDF:122144182.4/14

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -58.993+/-0.000 χ^2/NDF:88552239.0/12

Left: -58.875+/-0.000 χ^2/NDF: 211086081.3/27

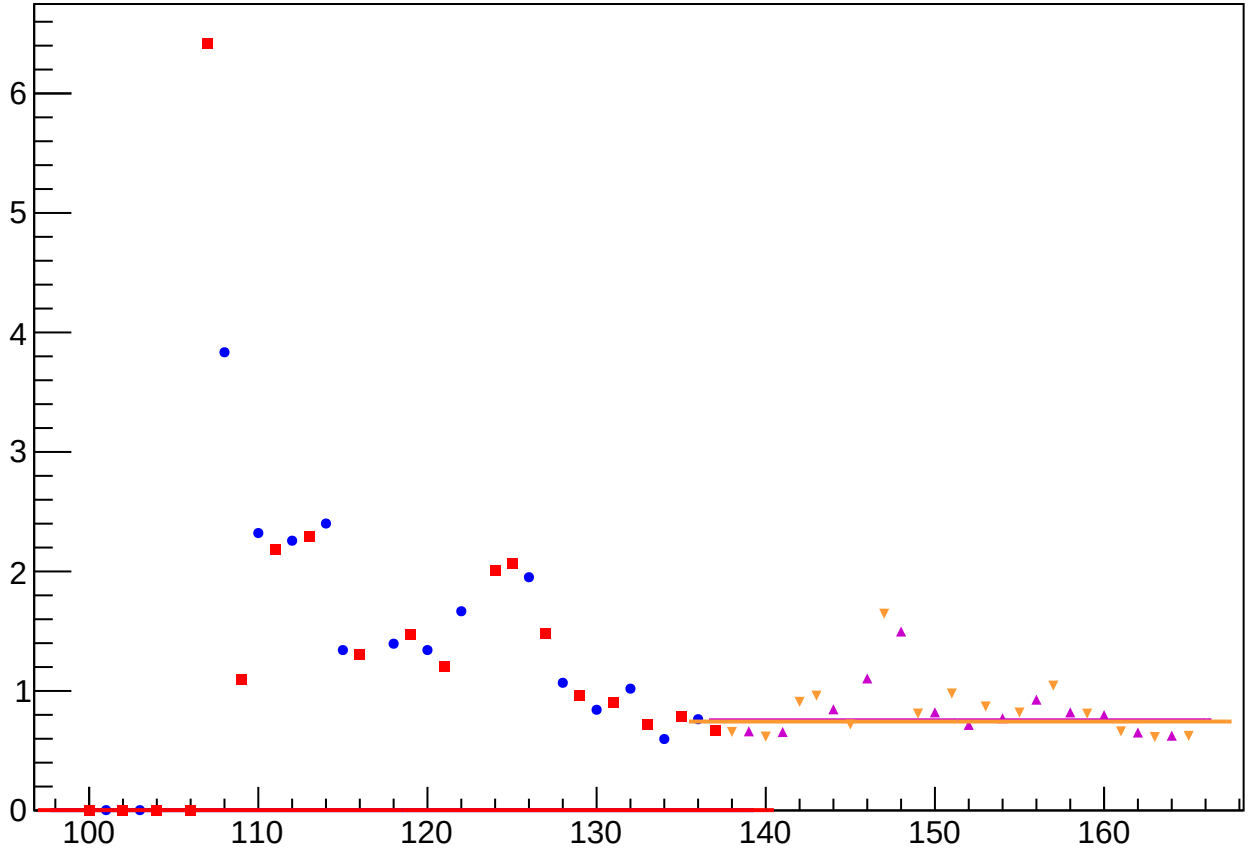
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.127+/-0.000 χ^2/NDF:777483361961.3/28

Out: 104.211+/-0.000 χ^2/NDF:1257837528612793

All: 120.817+/-0.000 χ^2/NDF: 13819057718

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.744+/-0.000 χ^2/NDF:971289.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.754+/-0.000 χ^2/NDF:713524.9/12

Left: 0.749+/-0.000 χ^2/NDF: 1686501.2/27

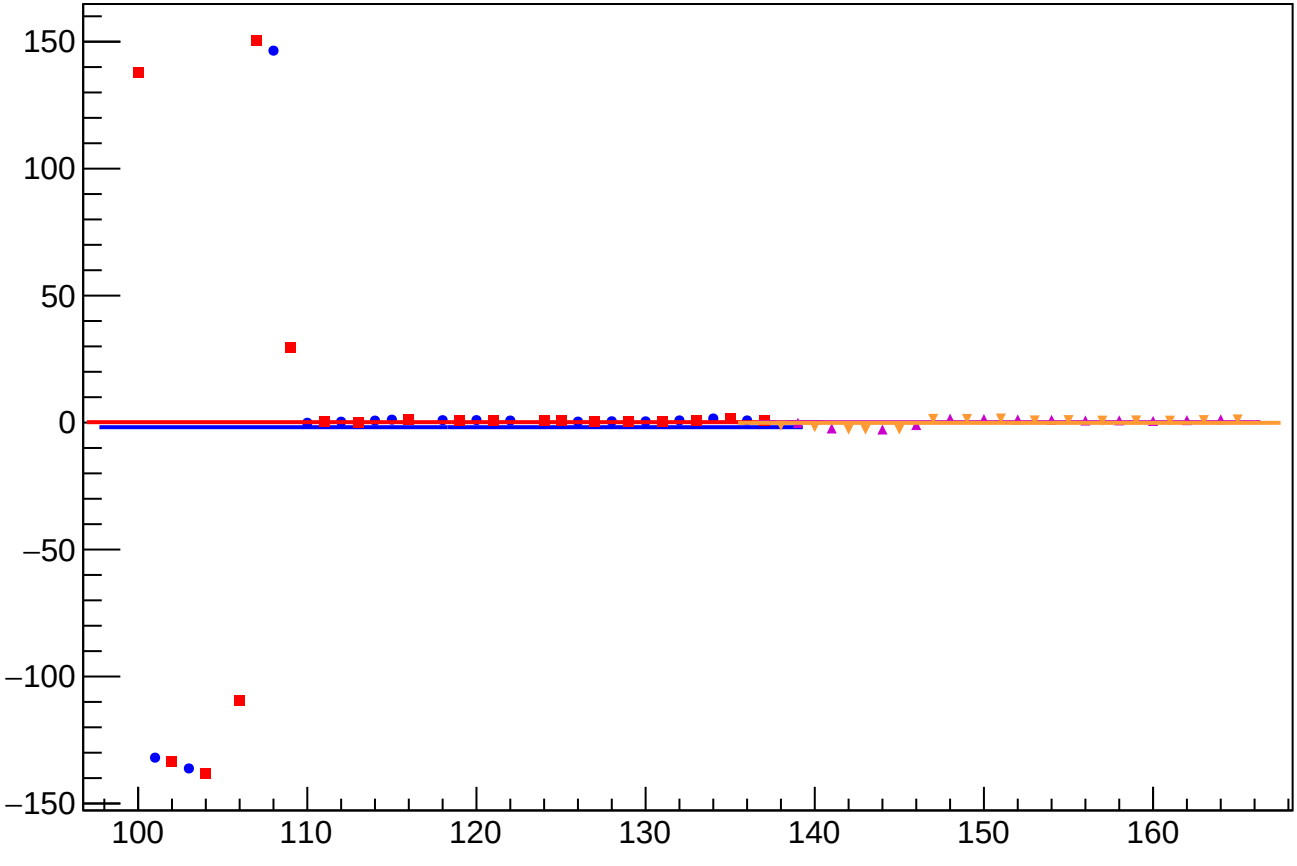
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:28102377.6/28

Out: 0.003+/-0.000 χ^2/NDF:29254866.3/33

All: 0.003+/-0.000 χ^2/NDF: 57357505.7/62

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.097+/-0.000 χ^2/NDF:94516295.8/14

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.179+/-0.000 χ^2/NDF:66086211.3/12

Left: 0.032+/-0.000 χ^2/NDF: 161793774.7/27

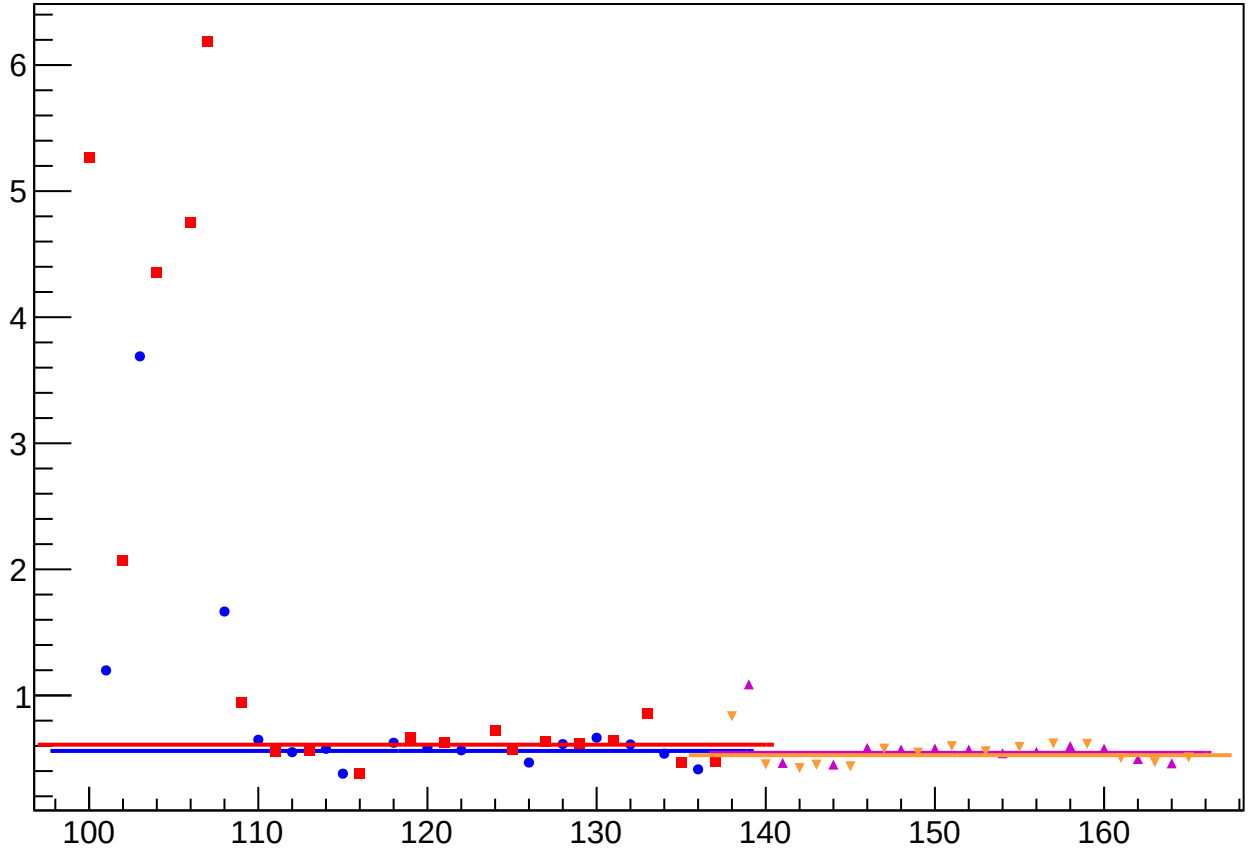
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.529+/-0.000 χ^2/NDF:9994770945.1/28

Out: -0.022+/-0.000 χ^2/NDF:3706415107.0/33

All: -0.272+/-0.000 χ^2/NDF: 13707122407.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.526+/-0.000 χ^2/NDF:465692.9/14

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.545+/-0.000 χ^2/NDF:590436.0/12

Left: 0.535+/-0.000 χ^2/NDF: 1066922.9/27

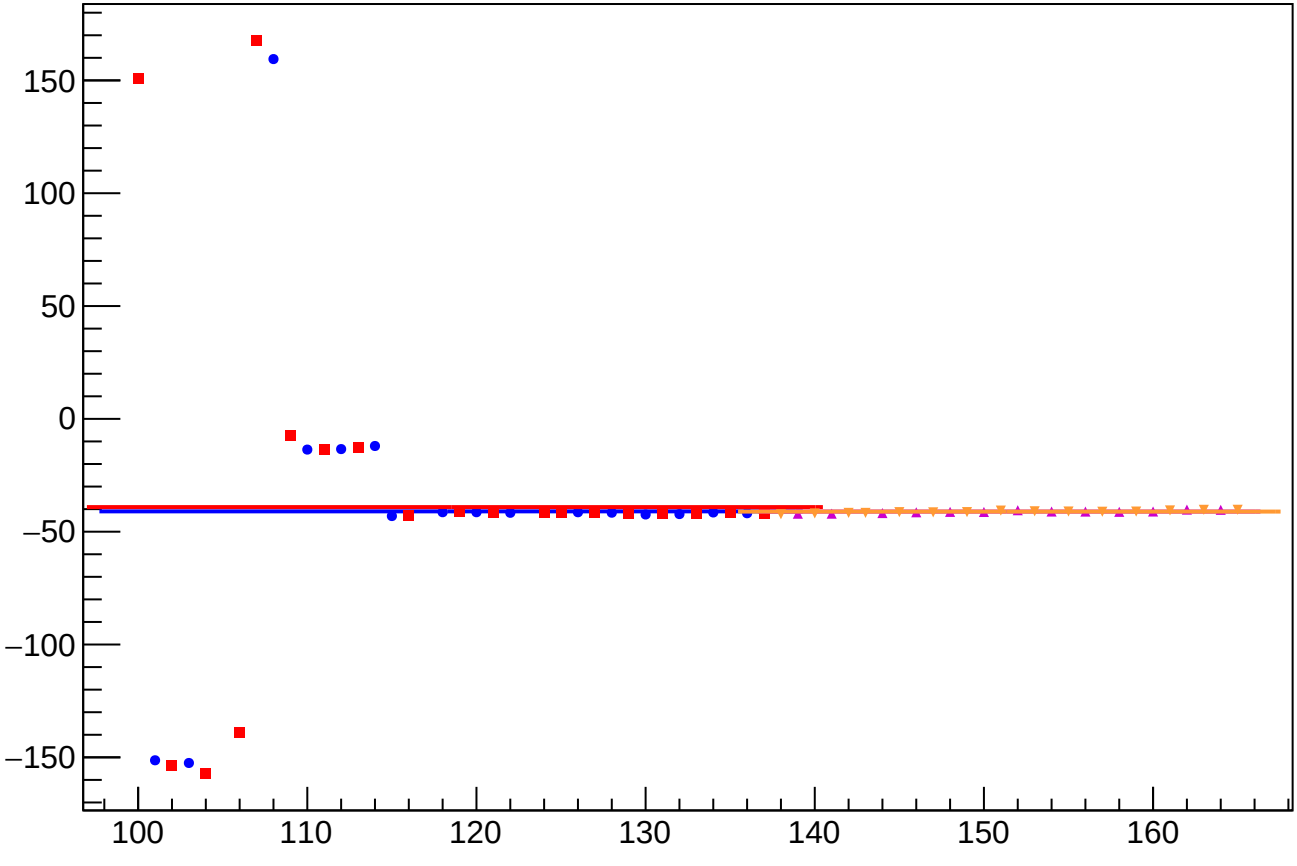
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.550+/-0.000 χ^2/NDF:2193668.6/28

Out: 0.550+/-0.000 χ^2/NDF:3074273.1/33

All: 0.550+/-0.000 χ^2/NDF: 5267942.8/62

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.085+/-0.000 χ^2/NDF:23852656.9/14

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.084+/-0.000 χ^2/NDF:23173826.0/12

Left: -41.085+/-0.000 χ^2/NDF: 47026552.7/27

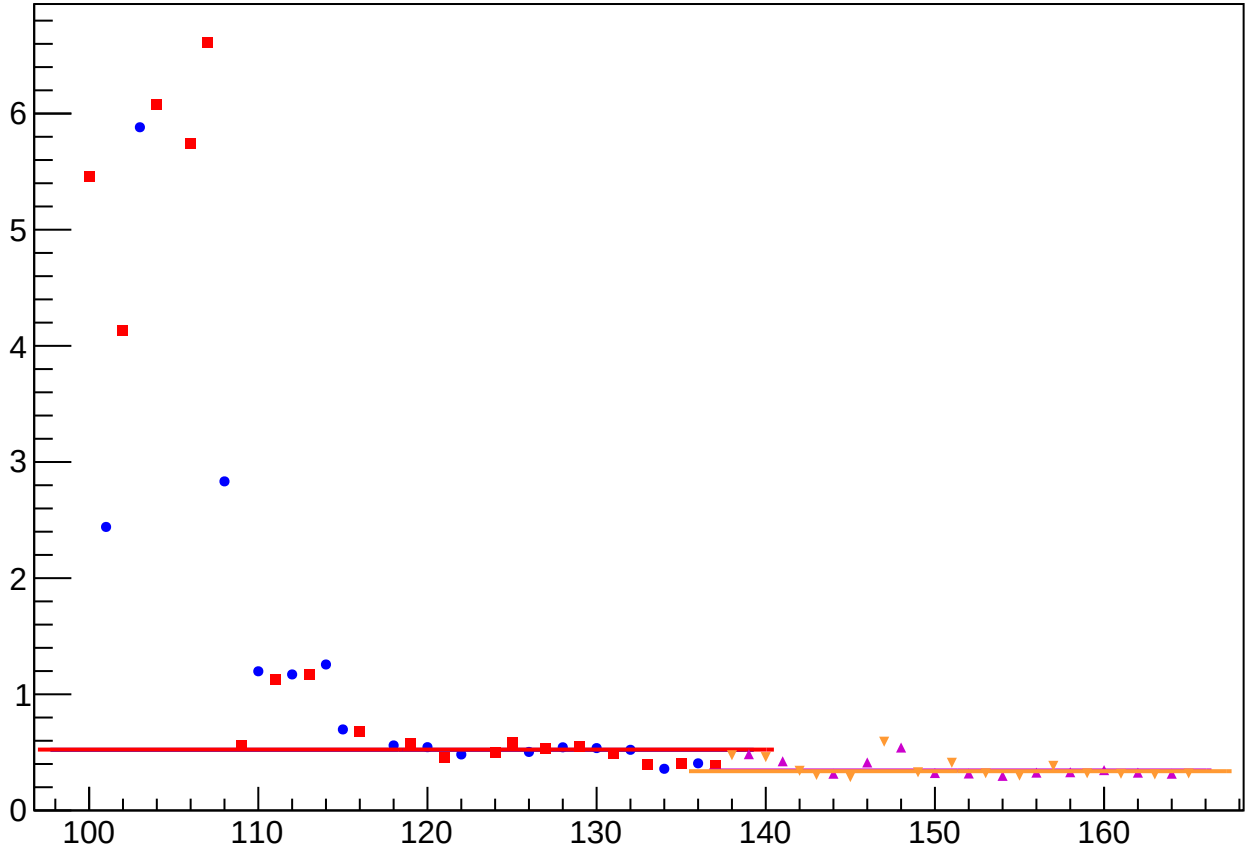
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.067+/-0.000 χ^2/NDF:3472938803.3/28

Out: -40.771+/-0.000 χ^2/NDF:2563336492.0/33

All: -40.913+/-0.000 χ^2/NDF: 6041001002.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.338+/-0.000 χ^2/NDF:709833.8/14

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.344+/-0.000 χ^2/NDF:532265.7/12

Left: 0.341+/-0.000 χ^2/NDF: 1245840.8/27

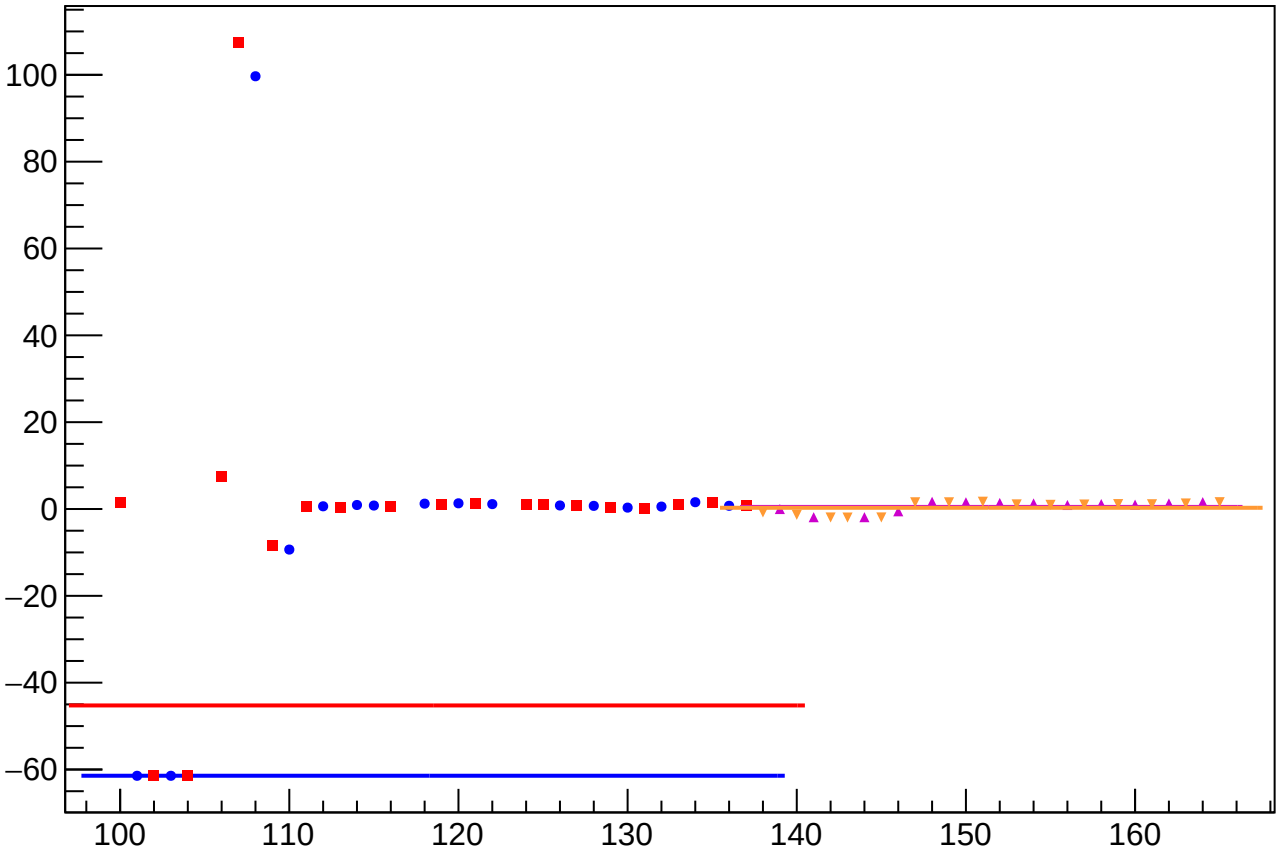
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.376+/-0.000 χ^2/NDF:4438383.8/28

Out: 0.367+/-0.000 χ^2/NDF:5016763.0/33

All: 0.372+/-0.000 χ^2/NDF: 9463107.5/62

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.281+/-0.000 χ^2/NDF:97537011.8/14

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.479+/-0.000 χ^2/NDF:72956453.9/12

Left: 0.373+/-0.000 χ^2/NDF: 171347569.8/27

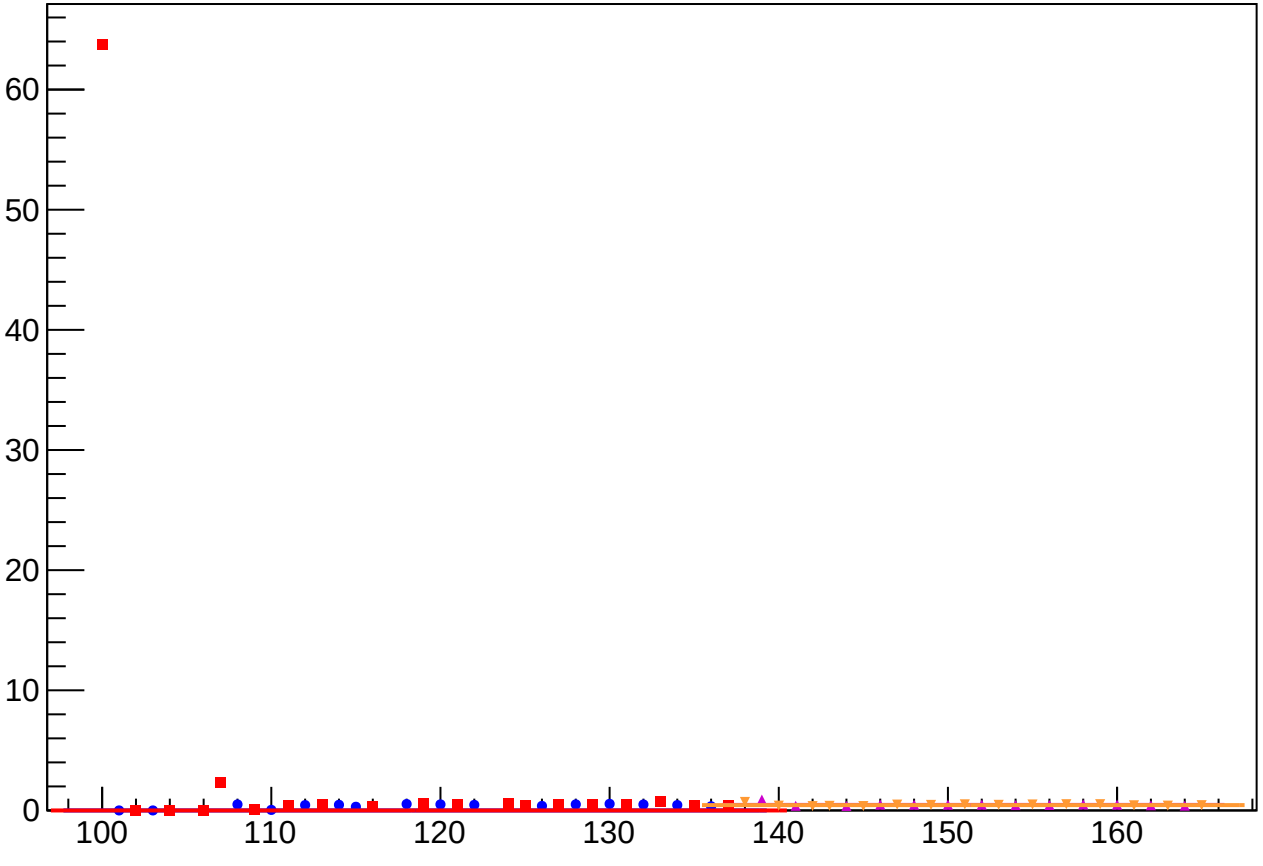
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.429+/-0.000 χ^2/NDF:431024099272.9/28

Out: -45.240+/-0.000 χ^2/NDF:357967355999327.8

All: -52.743+/-0.000 χ^2/NDF: 409369977454

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.445+/-0.000 χ^2/NDF:453385.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.461+/-0.000 χ^2/NDF:564760.5/12

Left: 0.453+/-0.000 χ^2/NDF: 1028489.9/27

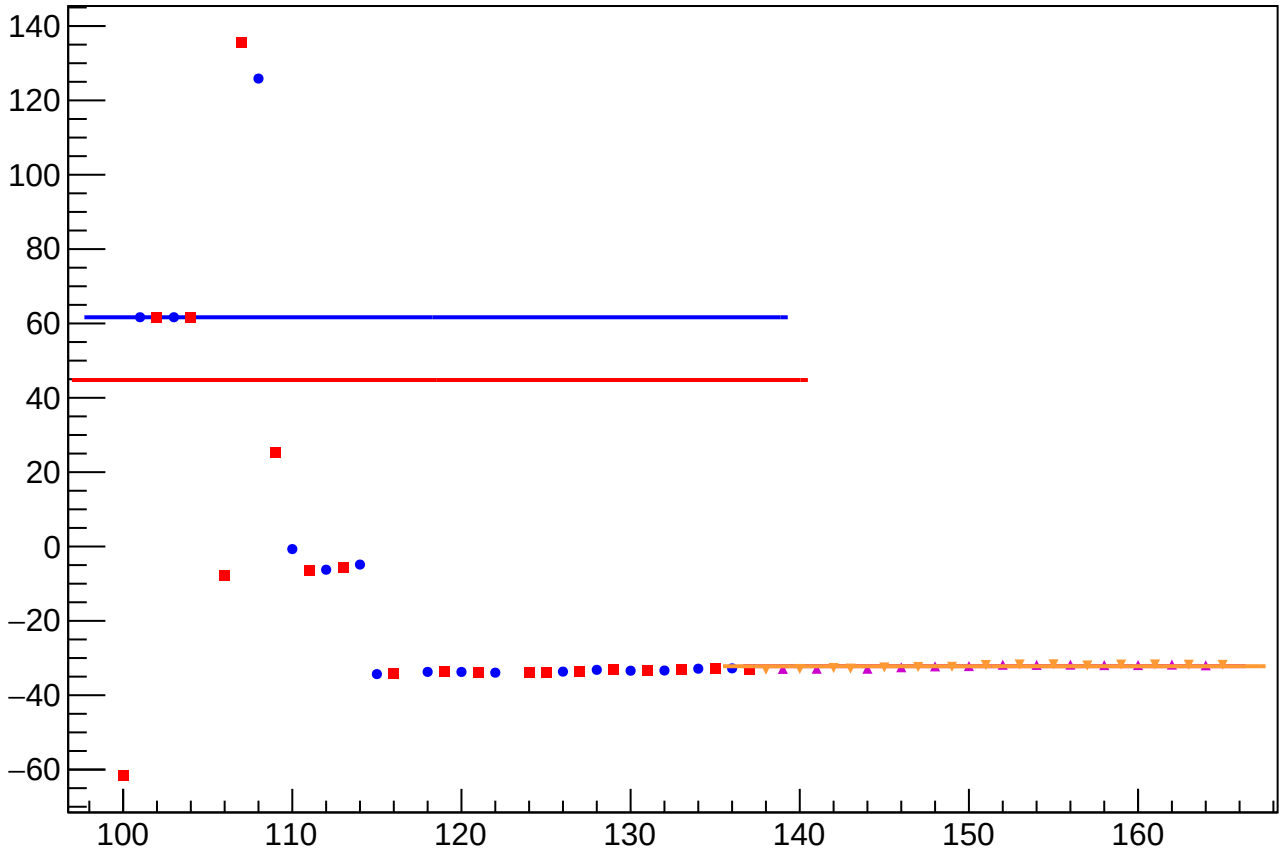
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:27049604.8/28

Out: 0.002+/-0.000 χ^2/NDF:28229994.7/33

All: 0.002+/-0.000 χ^2/NDF: 55279609.1/62

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.202+/-0.000 χ^2/NDF:30449527.9/14

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.178+/-0.000 χ^2/NDF:22995871.6/12

Left: -32.191+/-0.000 χ^2/NDF: 53478243.1/27

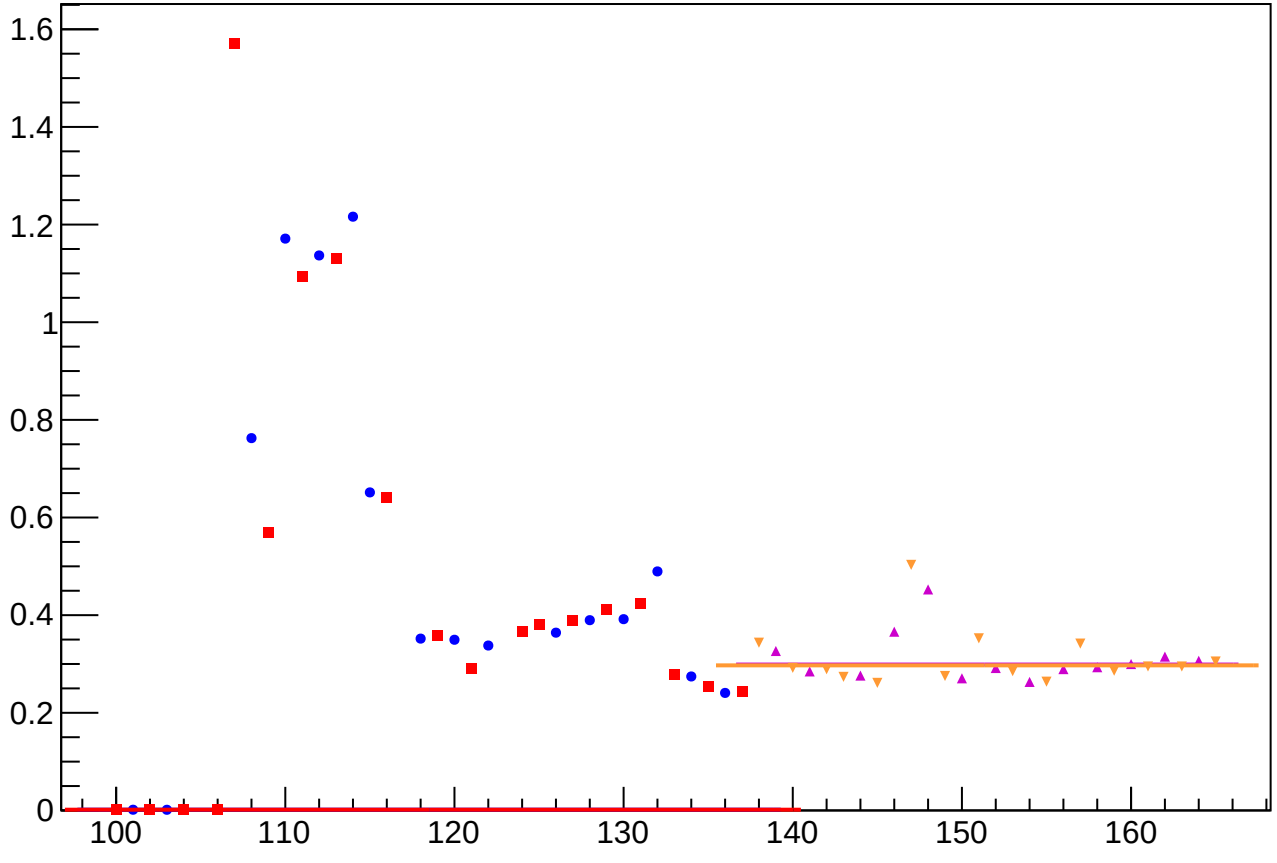
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.630+/-0.000 χ^2/NDF:1392600717667.4/28

Out: 44.760+/-0.000 χ^2/NDF:366840412855489.9

All: 52.660+/-0.000 χ^2/NDF: 4193114752644

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:444175.8/14

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.299+/-0.000 χ^2/NDF:324529.9/12

Left: 0.298+/-0.000 χ^2/NDF: 769026.8/27

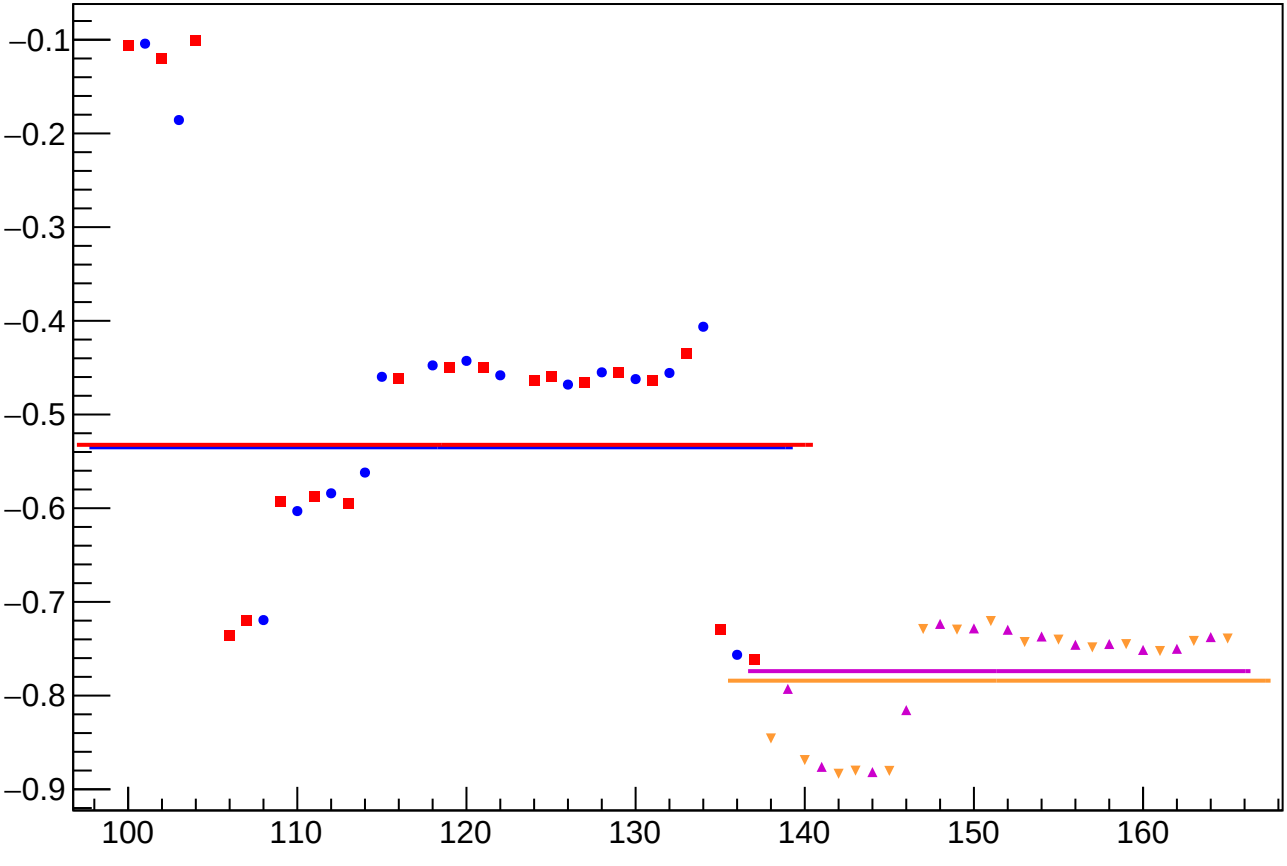
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:31887335.4/28

Out: 0.002+/-0.000 χ^2/NDF:32994979.6/33

All: 0.002+/-0.000 χ^2/NDF: 64882381.4/62

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.784+/-0.000 χ^2/NDF:104759788.0/14

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.774+/-0.000 χ^2/NDF:73299789.9/12

Left: -0.779+/-0.000 χ^2/NDF: 179286335.5/27

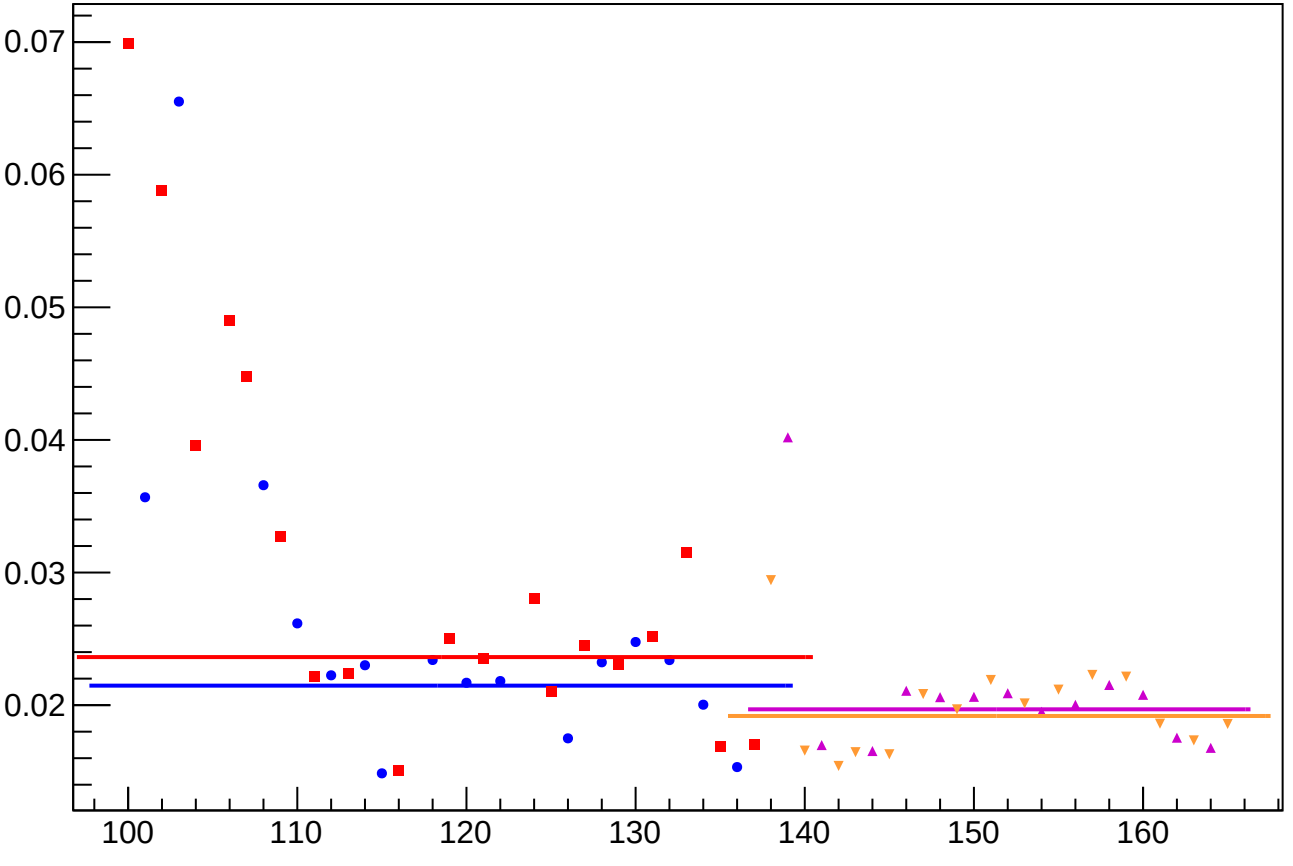
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.692+/-0.000 χ^2/NDF:810922942.9/28

Out: -0.713+/-0.000 χ^2/NDF:772158076.3/33

All: -0.703+/-0.000 χ^2/NDF: 1590180581.7/6

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:405303.9/14

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:597930.7/12

Left: 0.019+/-0.000 χ^2/NDF: 1009208.9/27

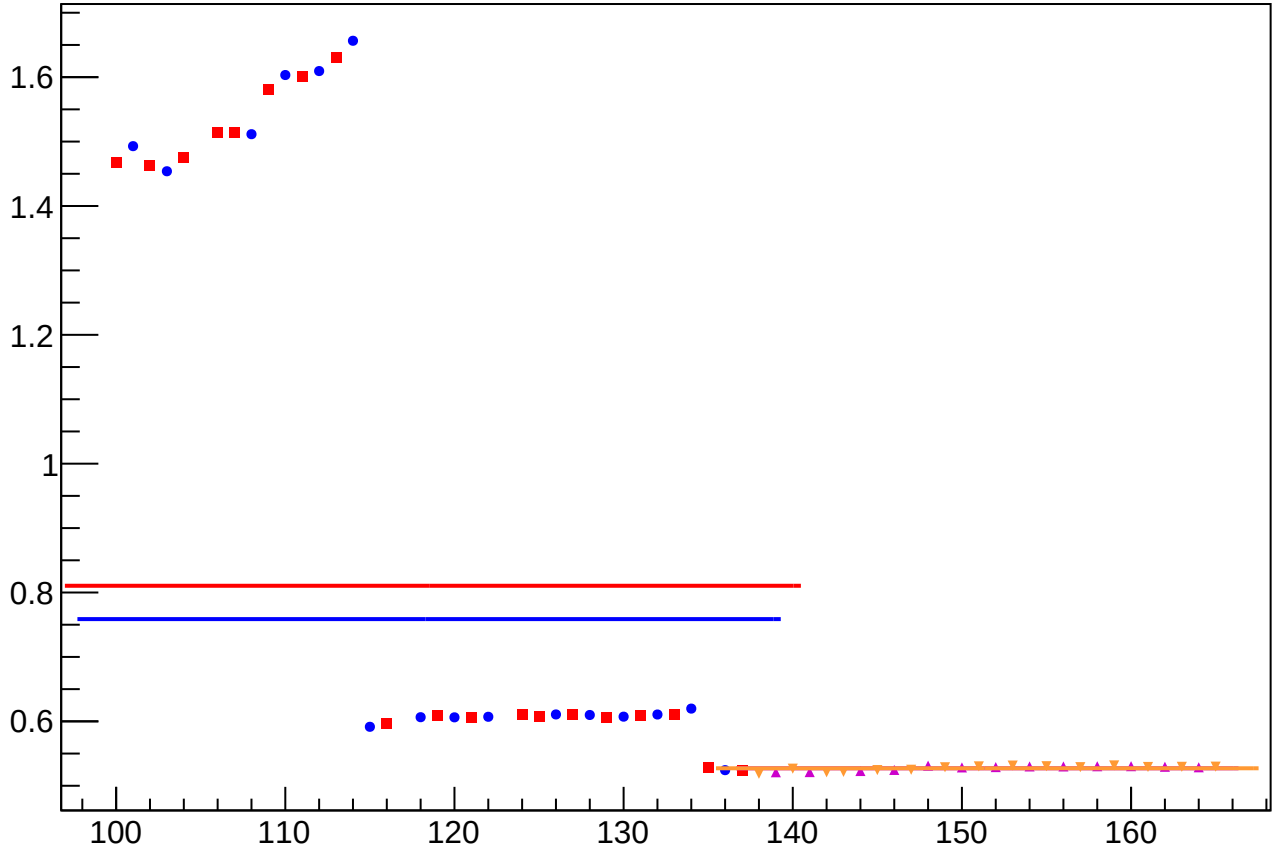
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1800732.5/28

Out: 0.020+/-0.000 χ^2/NDF:1964804.1/33

All: 0.020+/-0.000 χ^2/NDF: 3766317.4/62

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:1176778.1/14

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:918571.4/12

Left: 0.527+/-0.000 χ^2/NDF: 2095375.0/27

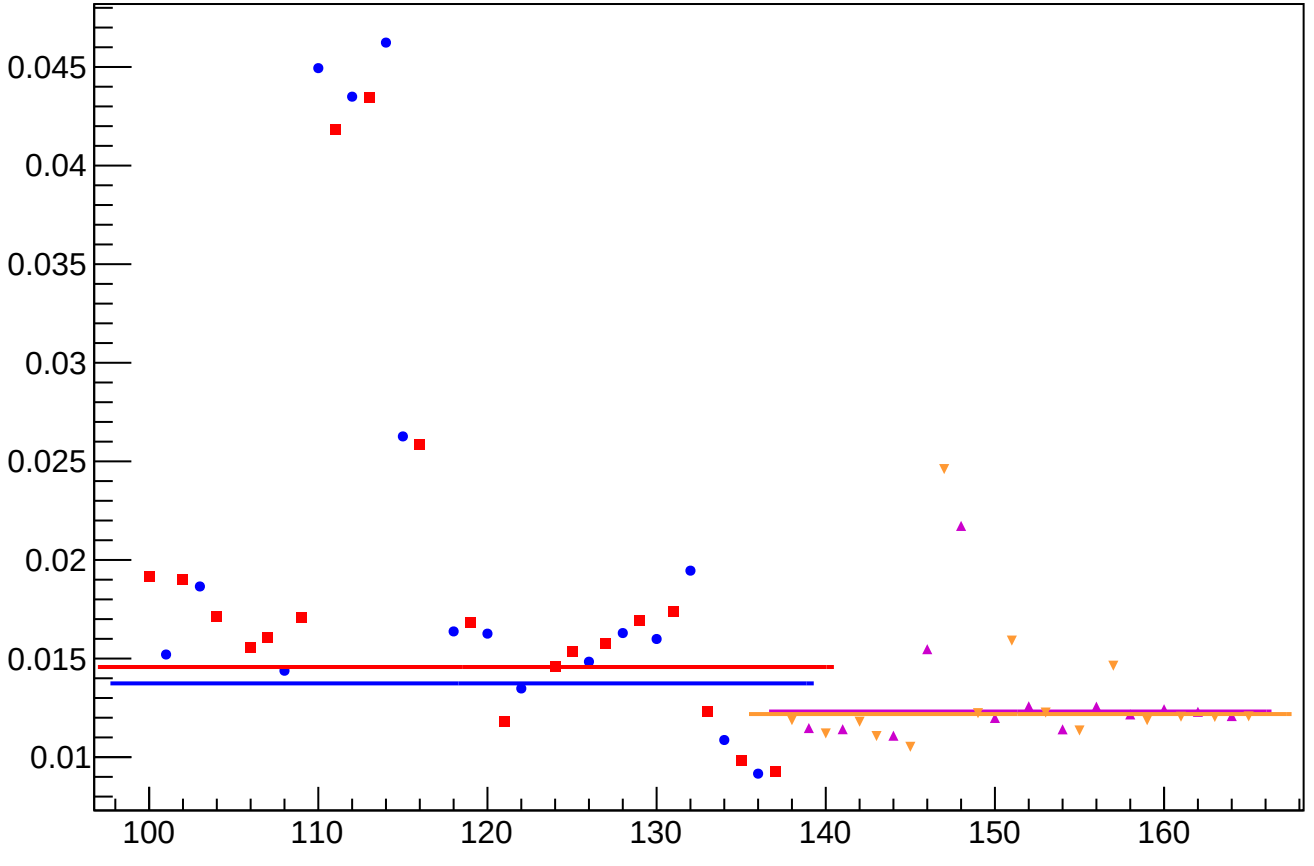
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.600+/-0.000 χ^2/NDF:5463311323.9/28

Out: 0.607+/-0.000 χ^2/NDF:6463774111.9/33

All: 0.604+/-0.000 χ^2/NDF: 11929539807.9/6

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:613931.7/14

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:416807.7/12

Left: 0.012+/-0.000 χ^2/NDF: 1031928.4/27

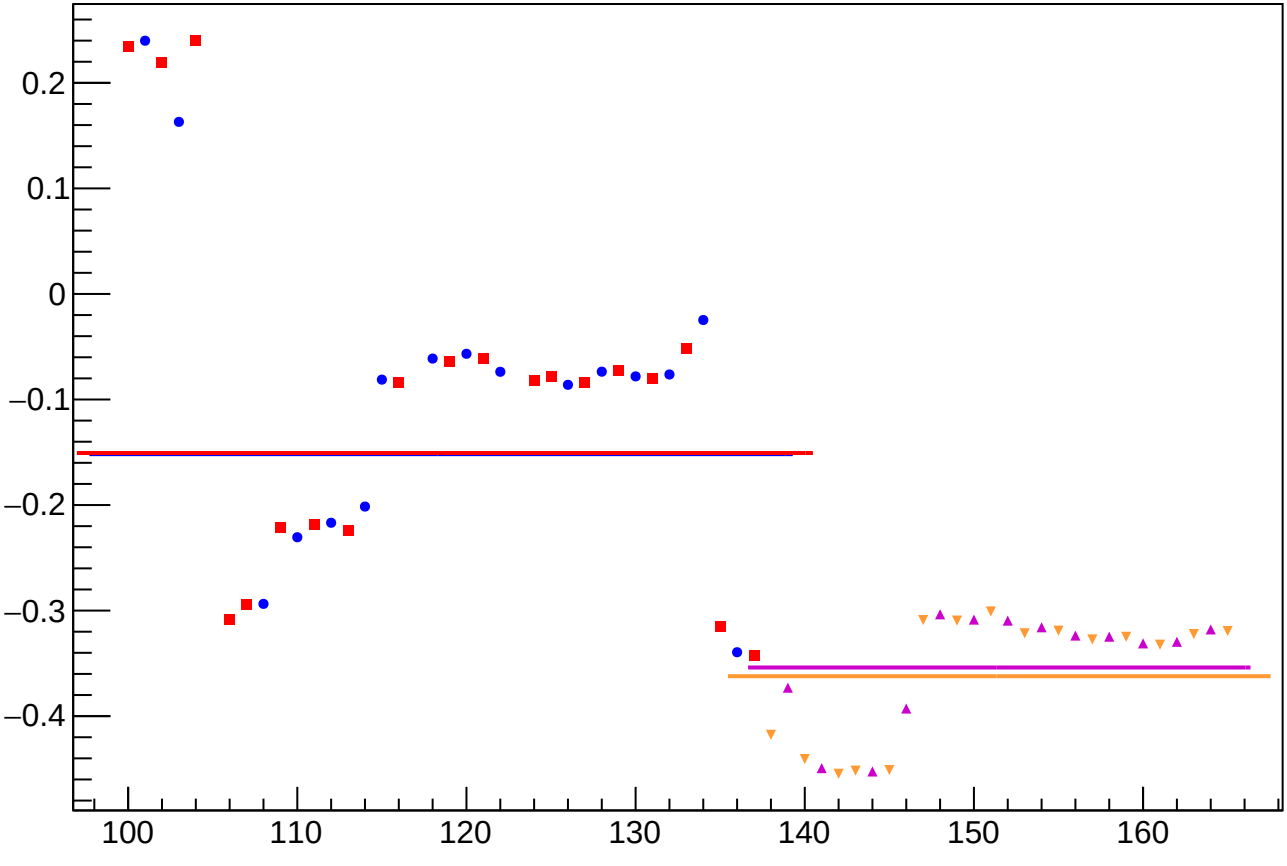
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2154456.6/28

Out: 0.013+/-0.000 χ^2/NDF:2309202.1/33

All: 0.013+/-0.000 χ^2/NDF: 4464568.4/62

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.362+/-0.000 χ^2/NDF:101362031.0/14

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.354+/-0.000 χ^2/NDF:74012478.4/12

Left: -0.358+/-0.000 χ^2/NDF: 176242710.6/27

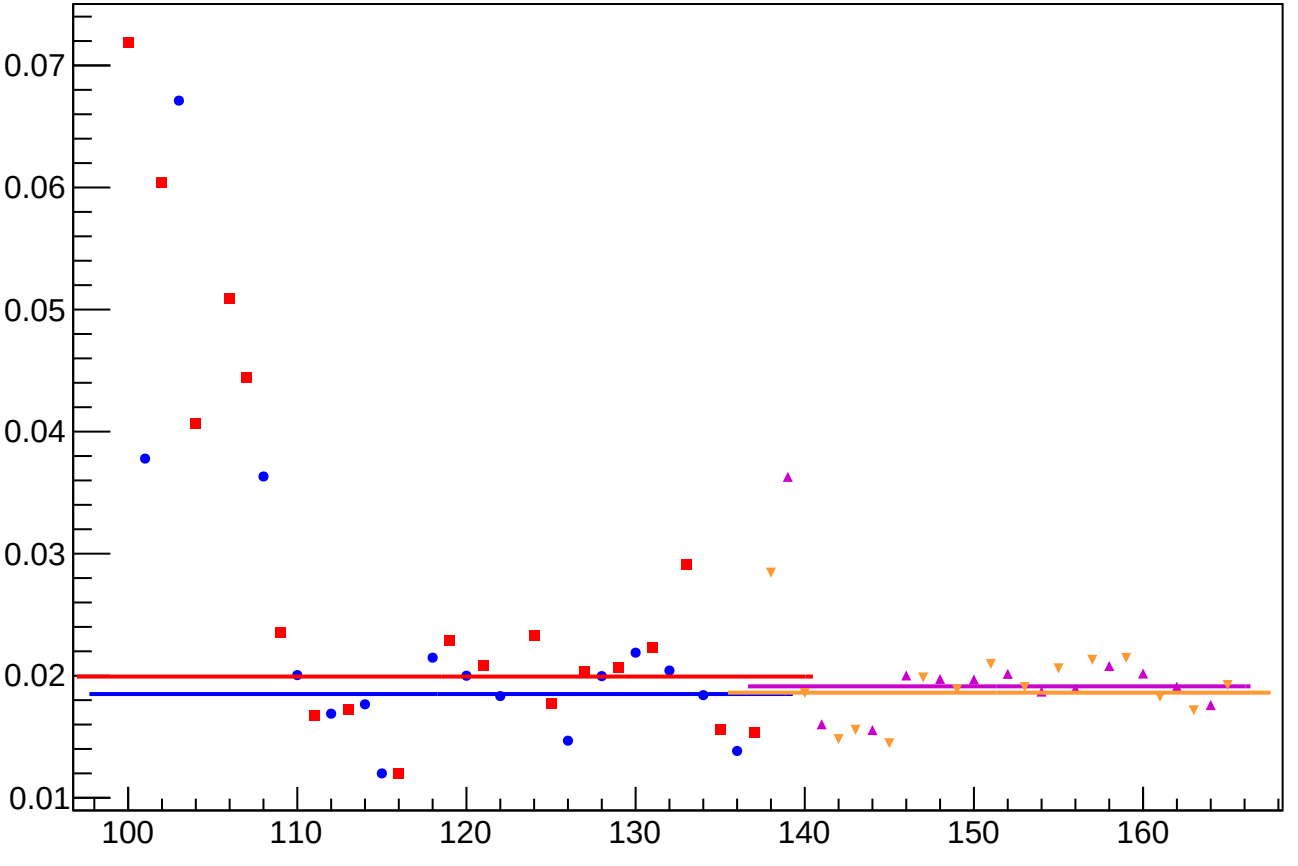
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.275+/-0.000 χ^2/NDF:734232640.4/28

Out: -0.291+/-0.000 χ^2/NDF:707446164.8/33

All: -0.283+/-0.000 χ^2/NDF: 1446867532.3/6

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:434685.5/14

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:524598.2/12

Left: 0.019+/-0.000 χ^2/NDF: 966037.2/27

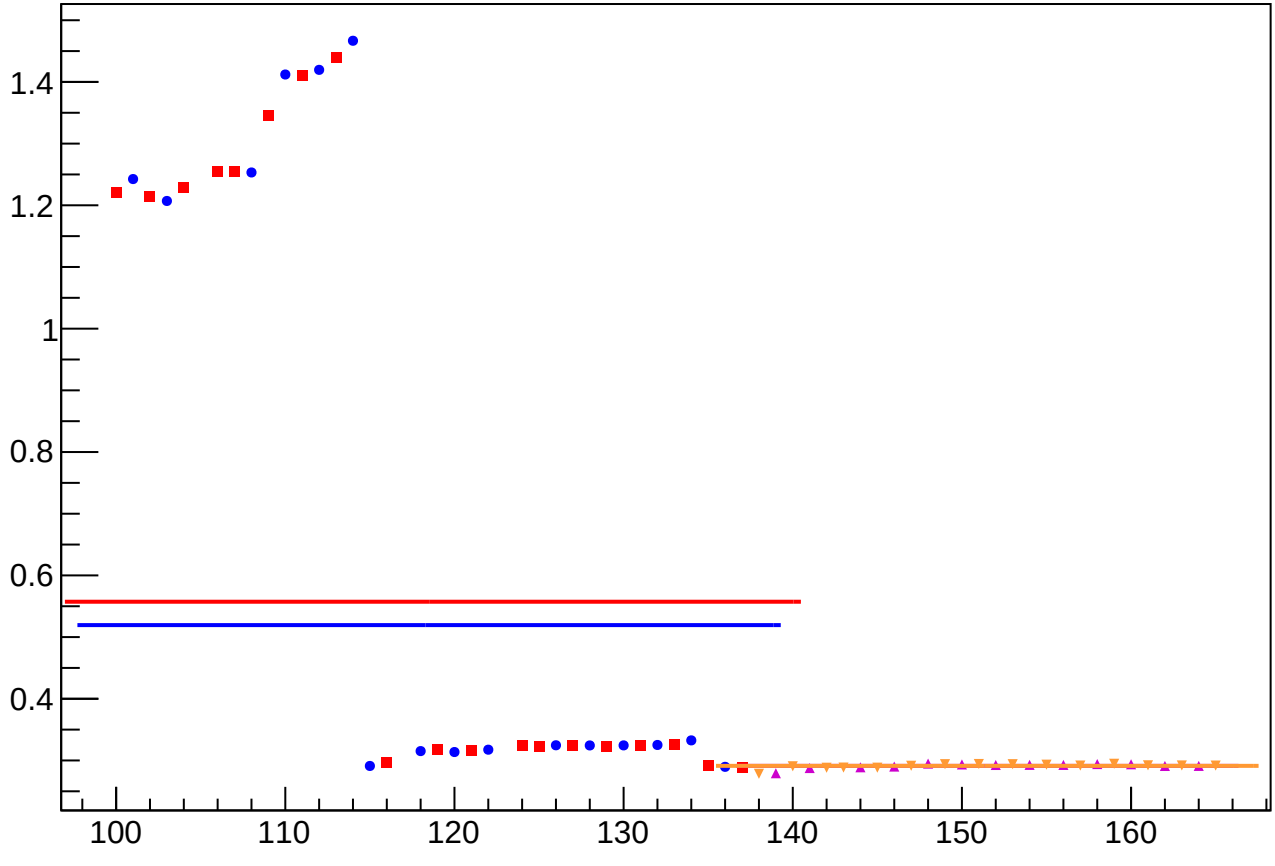
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1904417.9/28

Out: 0.019+/-0.000 χ^2/NDF:2013835.6/33

All: 0.019+/-0.000 χ^2/NDF: 3919475.5/62

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:1135554.8/14

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1167471.9/12

Left: 0.291+/-0.000 χ^2/NDF: 2303136.0/27

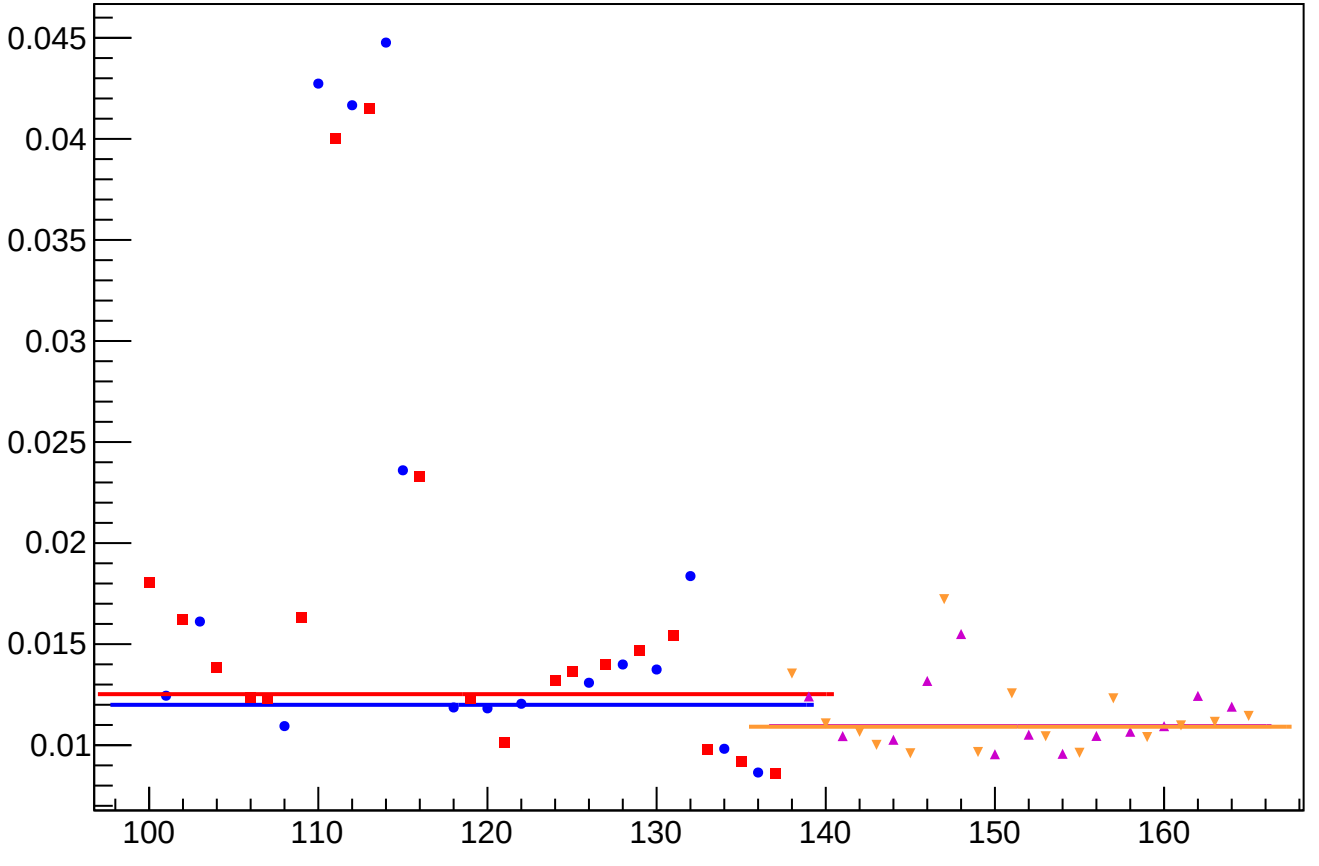
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.365+/-0.000 χ^2/NDF:7779084746.5/28

Out: 0.370+/-0.000 χ^2/NDF:8694654572.7/33

All: 0.367+/-0.000 χ^2/NDF: 16475200068.2/6

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:427477.4/14

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:328960.3/12

Left: 0.011+/-0.000 χ^2/NDF: 756527.9/27

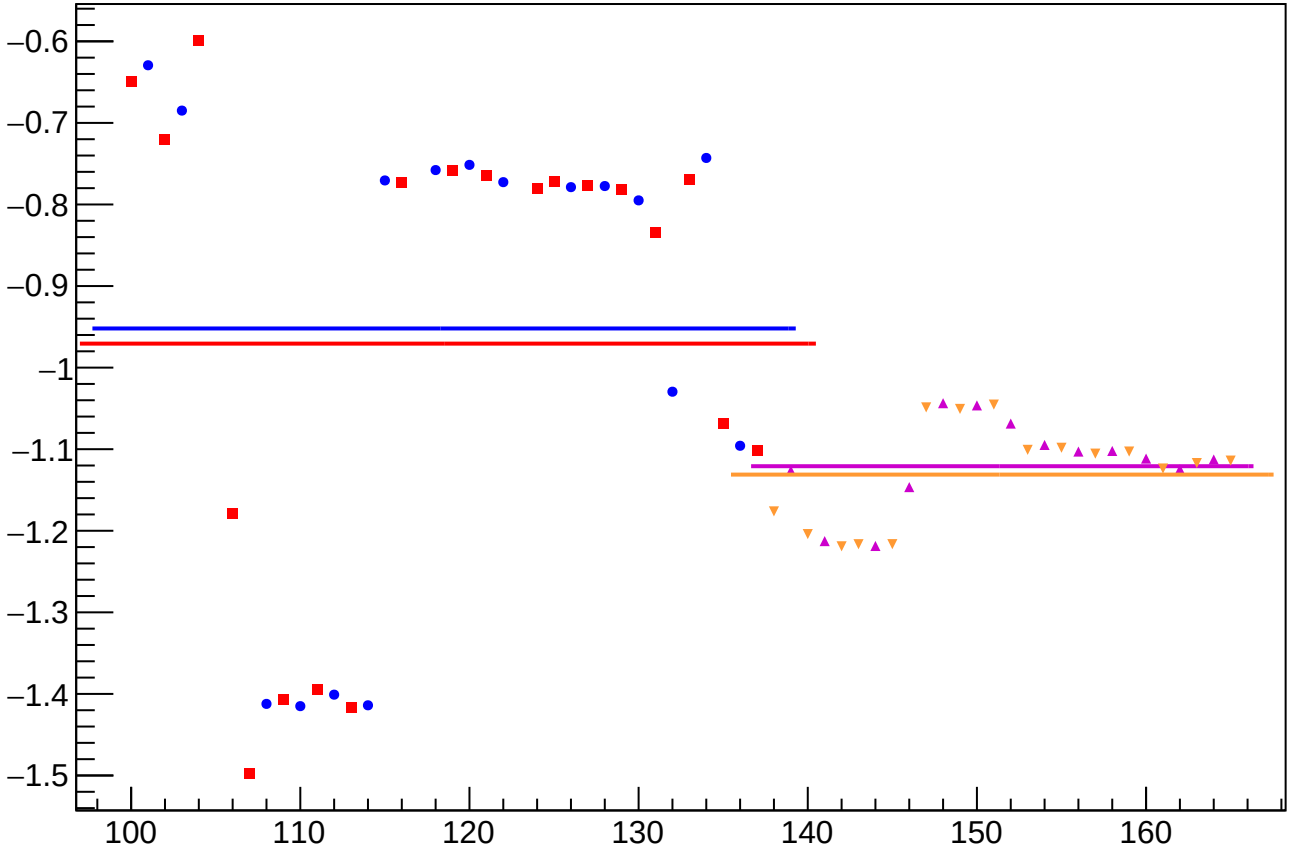
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1882494.2/28

Out: 0.011+/-0.000 χ^2/NDF:2004511.6/33

All: 0.011+/-0.000 χ^2/NDF: 3888404.4/62

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.131+/-0.000 χ^2/NDF:97375476.1/14

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.121+/-0.000 χ^2/NDF:71494178.2/12

Left: -1.126+/-0.000 χ^2/NDF: 170186276.9/27

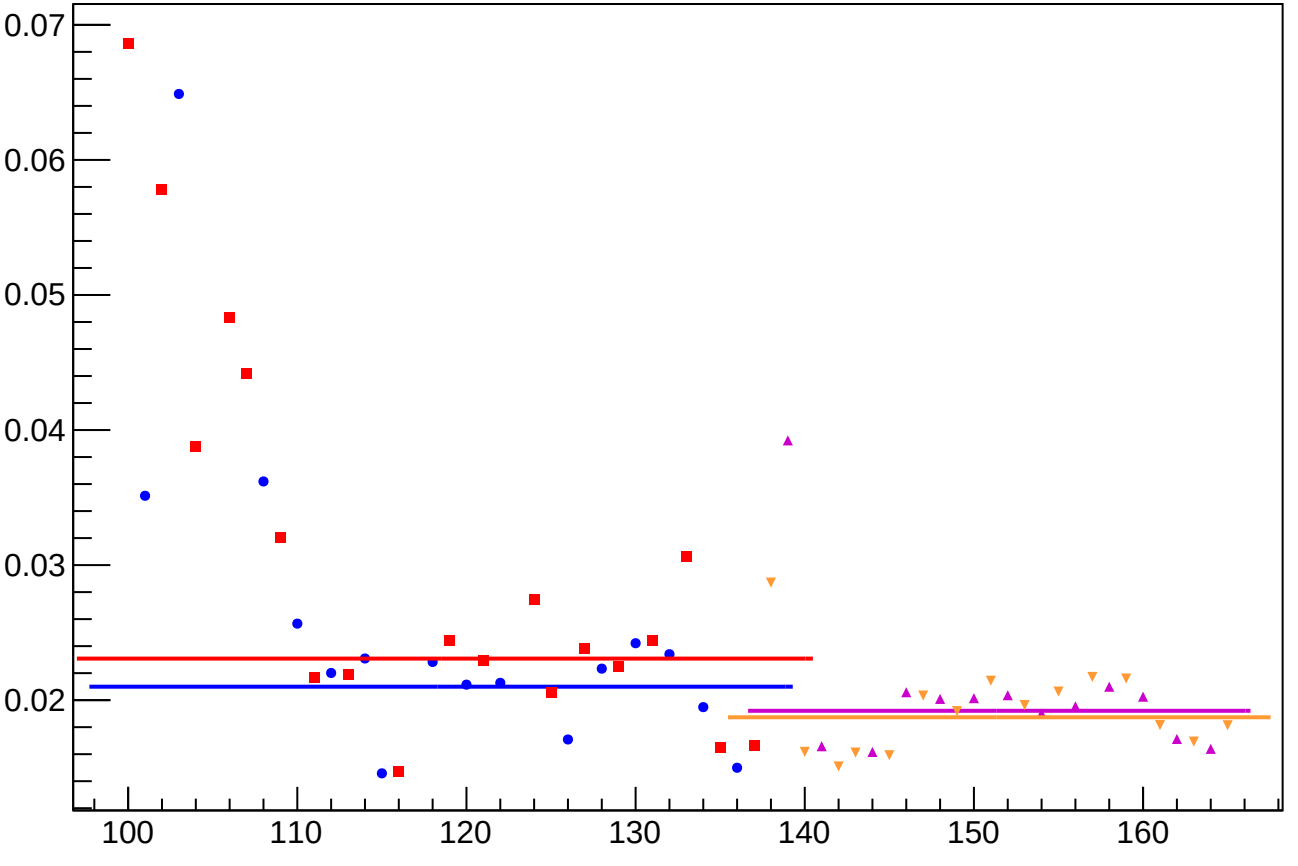
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.063+/-0.000 χ^2/NDF:999223433.6/28

Out: -1.086+/-0.000 χ^2/NDF:1004719379.8/33

All: -1.075+/-0.000 χ^2/NDF: 2012940633.8/6

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:401871.8/14

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:596303.9/12

Left: 0.019+/-0.000 χ^2/NDF: 1003928.6/27

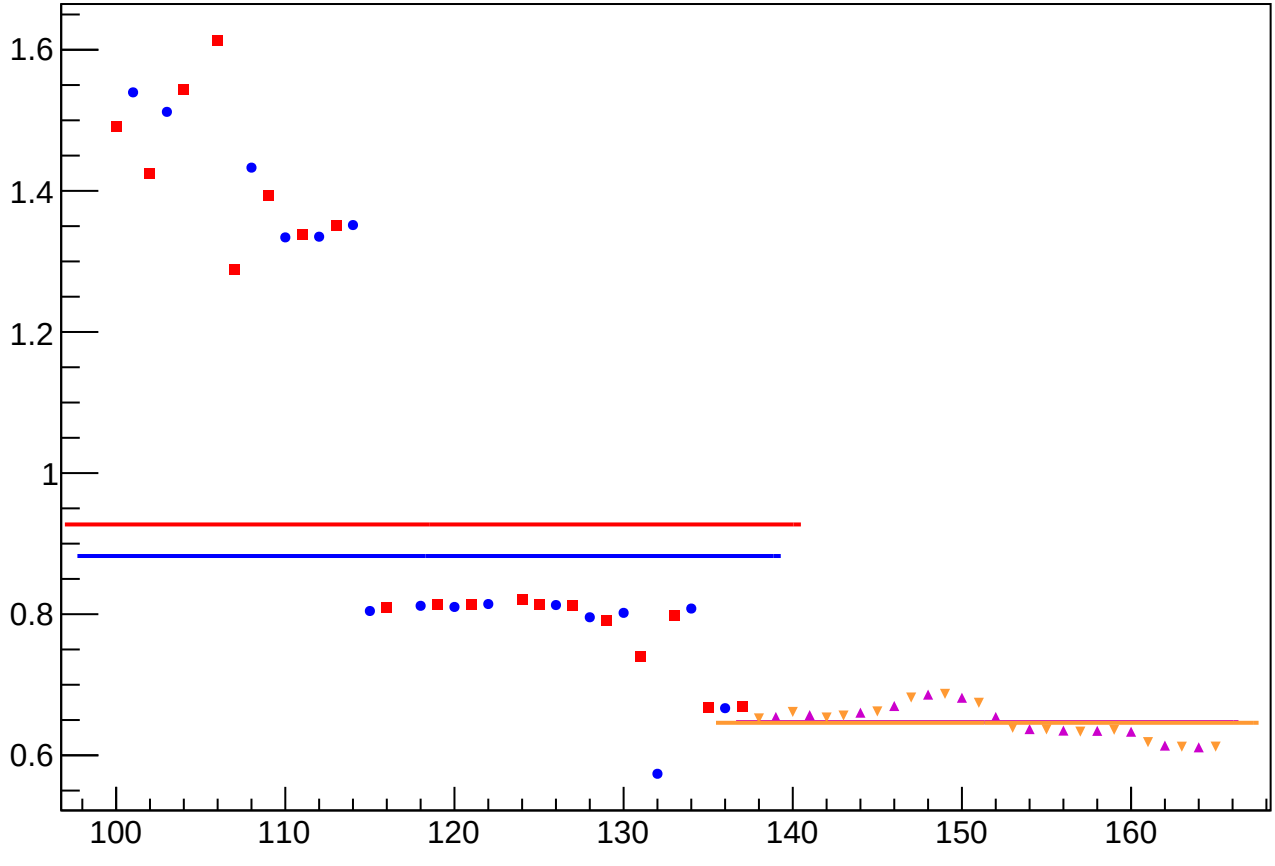
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1814284.3/28

Out: 0.020+/-0.000 χ^2/NDF:1965670.0/33

All: 0.020+/-0.000 χ^2/NDF: 3780691.5/62

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.646+/-0.000 χ^2/NDF:35095567.4/14

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.647+/-0.000 χ^2/NDF:28271061.9/12

Left: 0.647+/-0.000 χ^2/NDF: 63405126.0/27

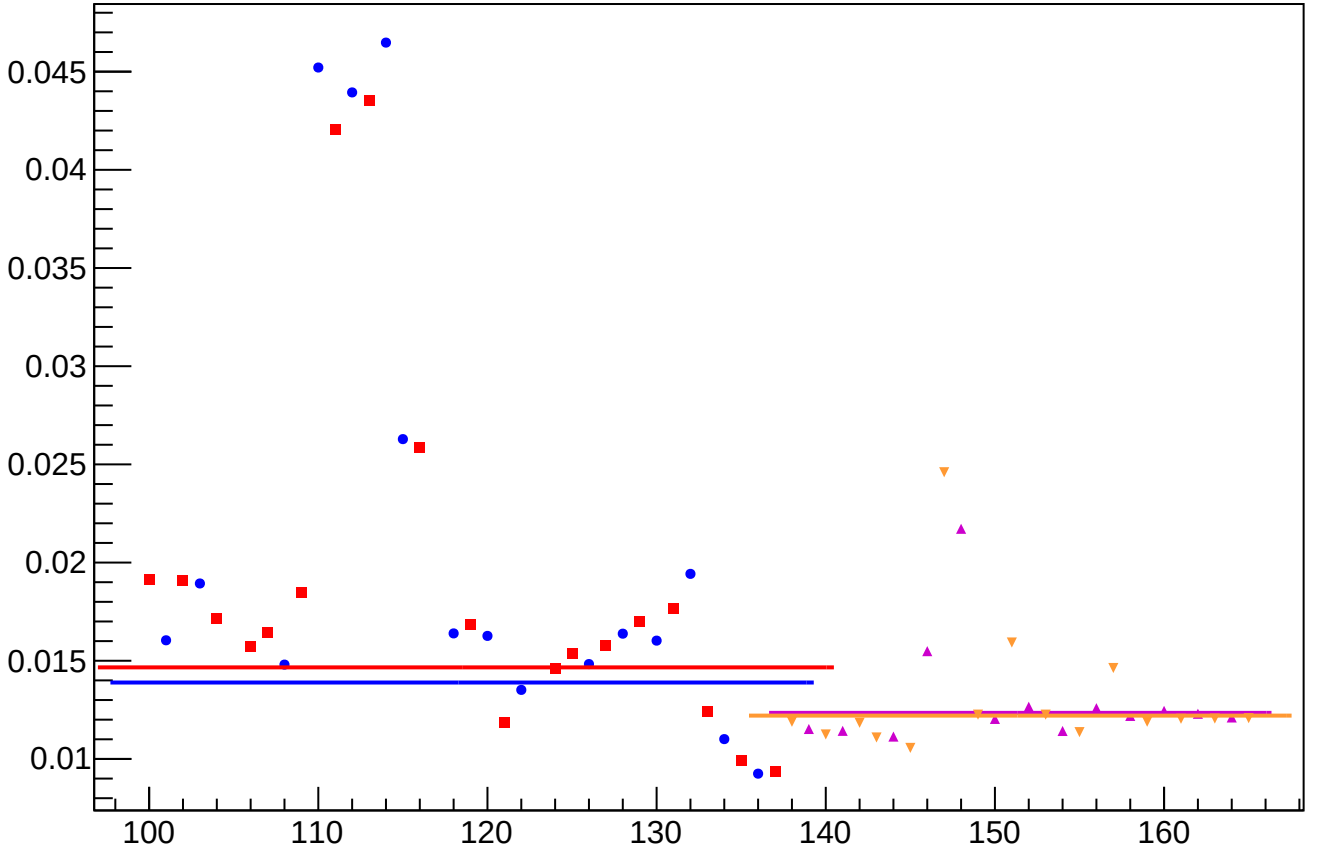
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.720+/-0.000 χ^2/NDF:3984998779.4/28

Out: 0.725+/-0.000 χ^2/NDF:4442168065.9/33

All: 0.722+/-0.000 χ^2/NDF: 8428102387.6/62

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:608838.5/14

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:413269.3/12

Left: 0.012+/-0.000 χ^2/NDF: 1023500.7/27

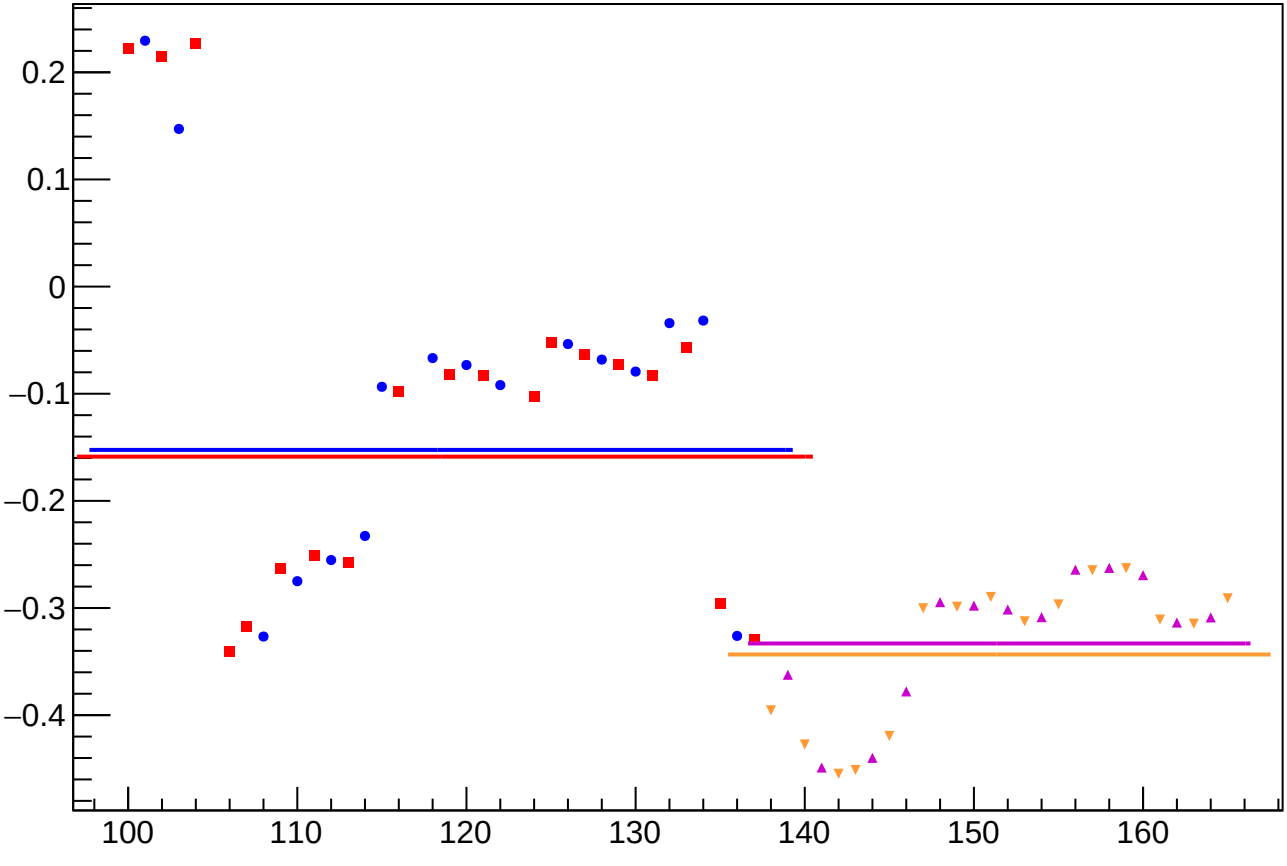
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2161064.9/28

Out: 0.013+/-0.000 χ^2/NDF:2326899.0/33

All: 0.013+/-0.000 χ^2/NDF: 4488398.5/62

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.343+/-0.000 χ^2/NDF:121596041.4/14

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.333+/-0.000 χ^2/NDF:101343980.6/12

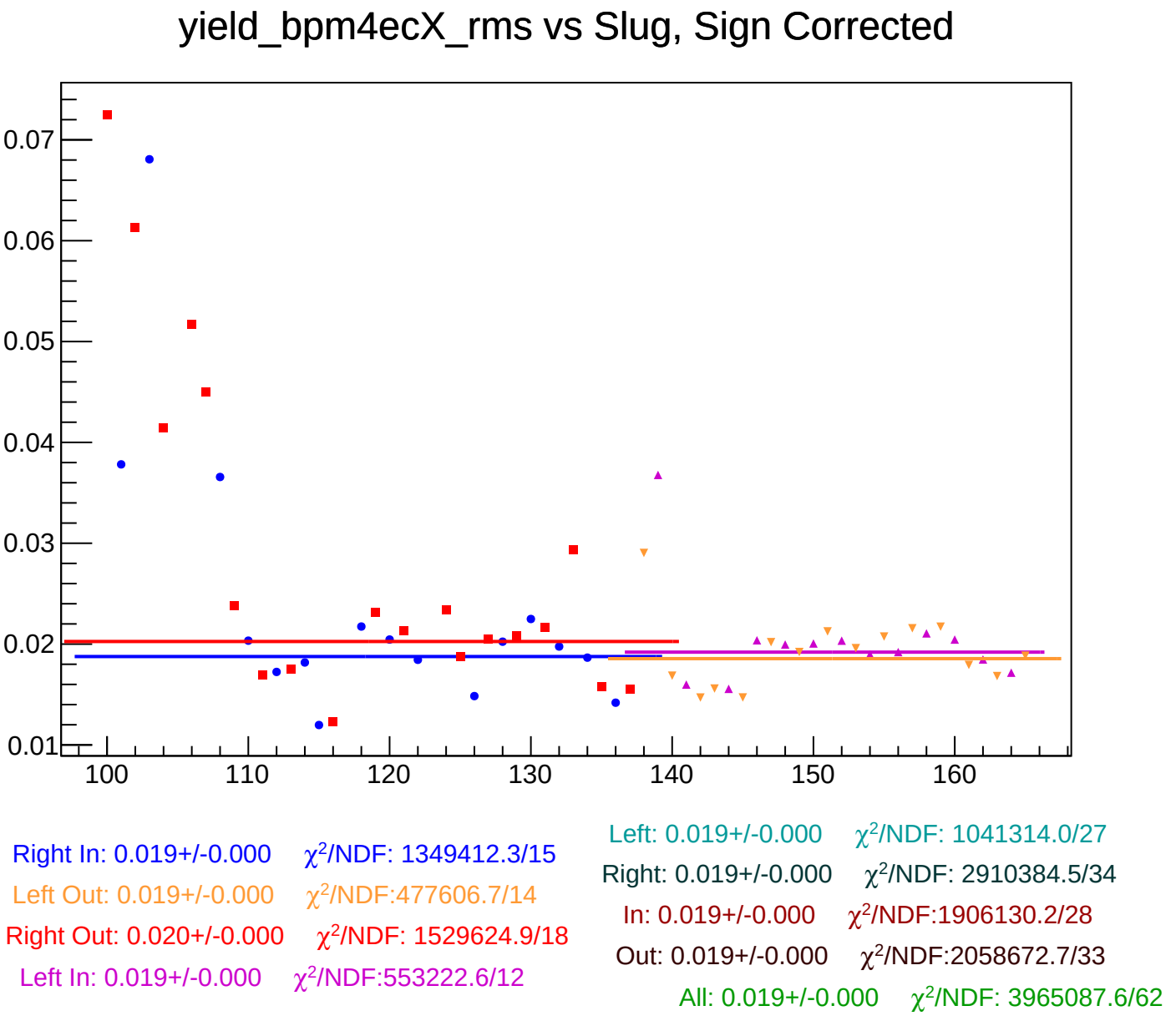
Left: -0.339+/-0.000 χ^2/NDF: 224268858.0/27

Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

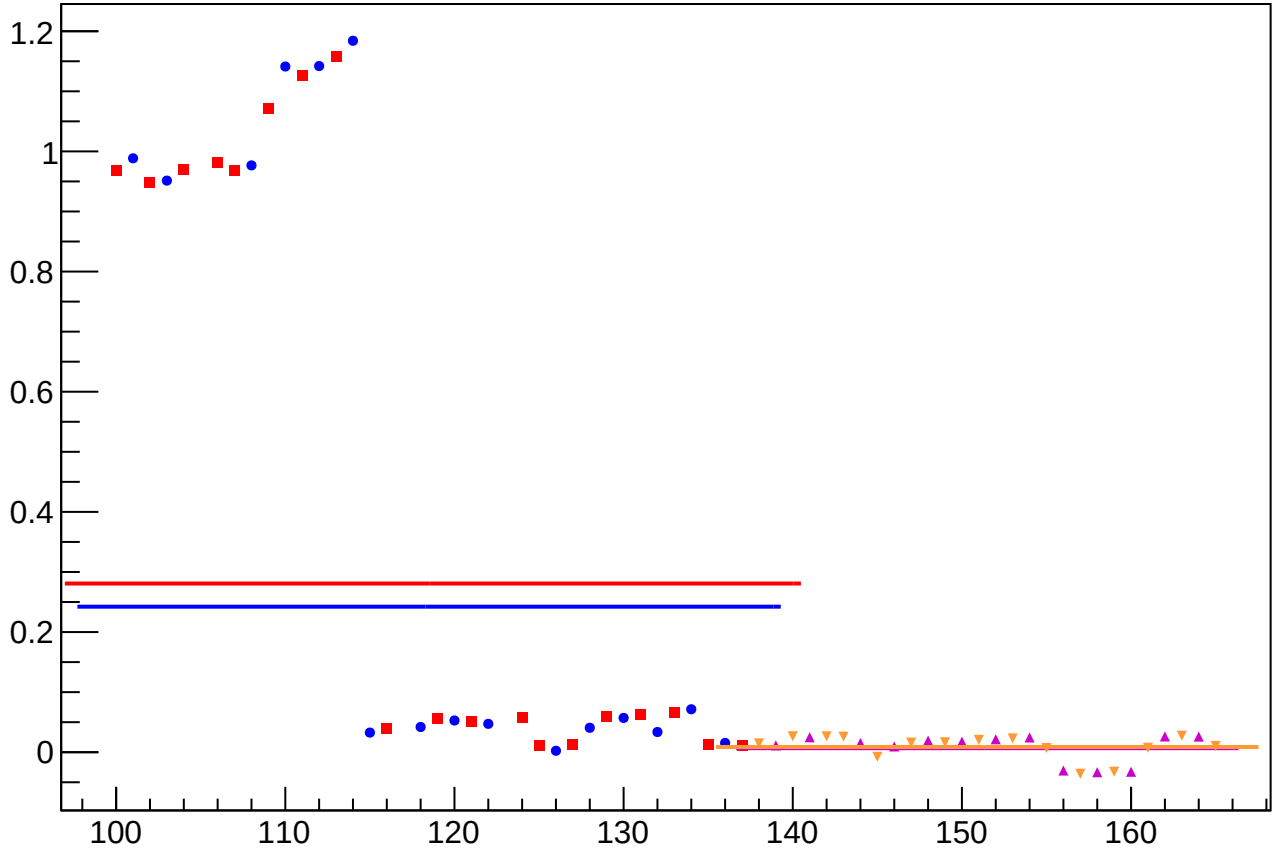
In: -0.263+/-0.000 χ^2/NDF:675456286.1/28

Out: -0.283+/-0.000 χ^2/NDF:620508391.3/33

All: -0.273+/-0.000 χ^2/NDF: 1303401534.0/6


yield_bpm4ecX_rms vs Slug, Sign Corrected
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.019+/-0.000 χ²/NDF: 1349412.3/15
Left Out: 0.019+/-0.000 χ²/NDF:477606.7/14
Right Out: 0.020+/-0.000 χ²/NDF: 1529624.9/18
Left In: 0.019+/-0.000 χ²/NDF:553222.6/12
Left: 0.019+/-0.000 χ²/NDF: 1041314.0/27
Right: 0.019+/-0.000 χ²/NDF: 2910384.5/34
In: 0.019+/-0.000 χ²/NDF:1906130.2/28
Out: 0.019+/-0.000 χ²/NDF:2058672.7/33
All: 0.019+/-0.000 χ²/NDF: 3965087.6/62

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:38042761.8/14

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.007+/-0.000 χ^2/NDF:47606850.1/12

Left: 0.008+/-0.000 χ^2/NDF: 85842511.7/27

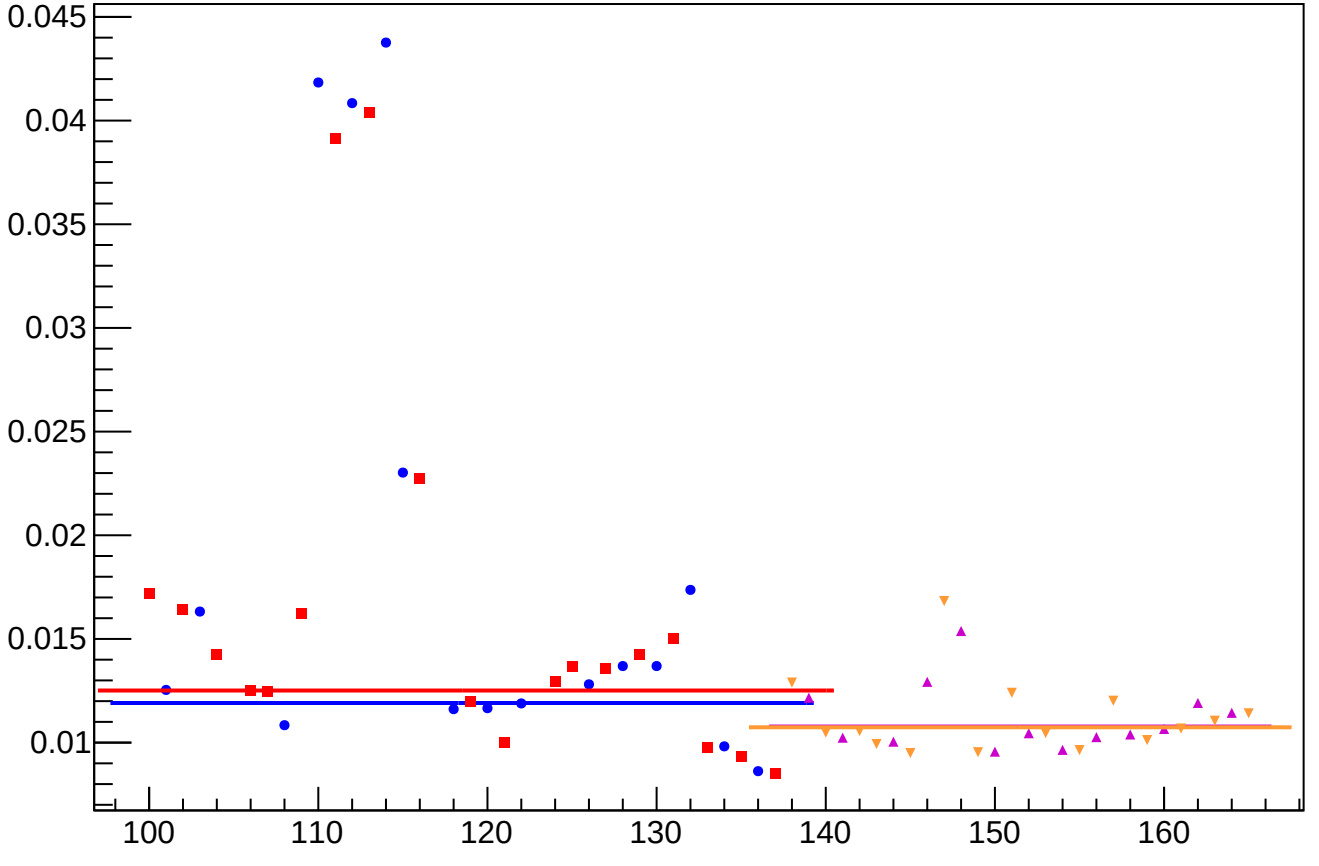
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.082+/-0.000 χ^2/NDF:8142587324.0/28

Out: 0.087+/-0.000 χ^2/NDF:8856962543.9/33

All: 0.085+/-0.000 χ^2/NDF: 17001323170.5/6

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:394746.6/14

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:301499.7/12

Left: 0.011+/-0.000 χ^2/NDF: 696365.5/27

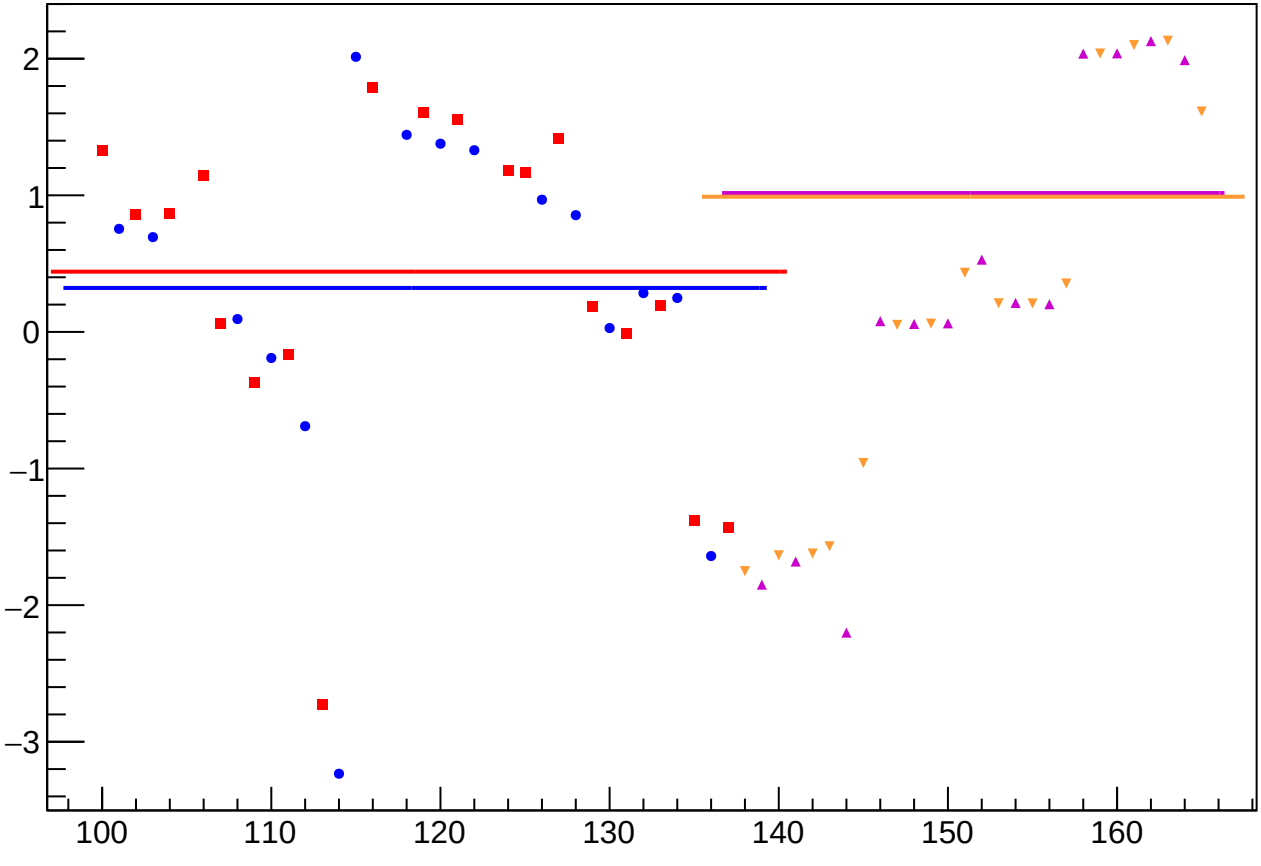
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1834709.7/28

Out: 0.011+/-0.000 χ^2/NDF:1962474.4/33

All: 0.011+/-0.000 χ^2/NDF: 3798880.1/62

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.990+/-0.000 χ^2/NDF:27821041721.3/14

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.017+/-0.000 χ^2/NDF:31802029243.7/12

Left: 1.004+/-0.000 χ^2/NDF: 59634332644.6/27

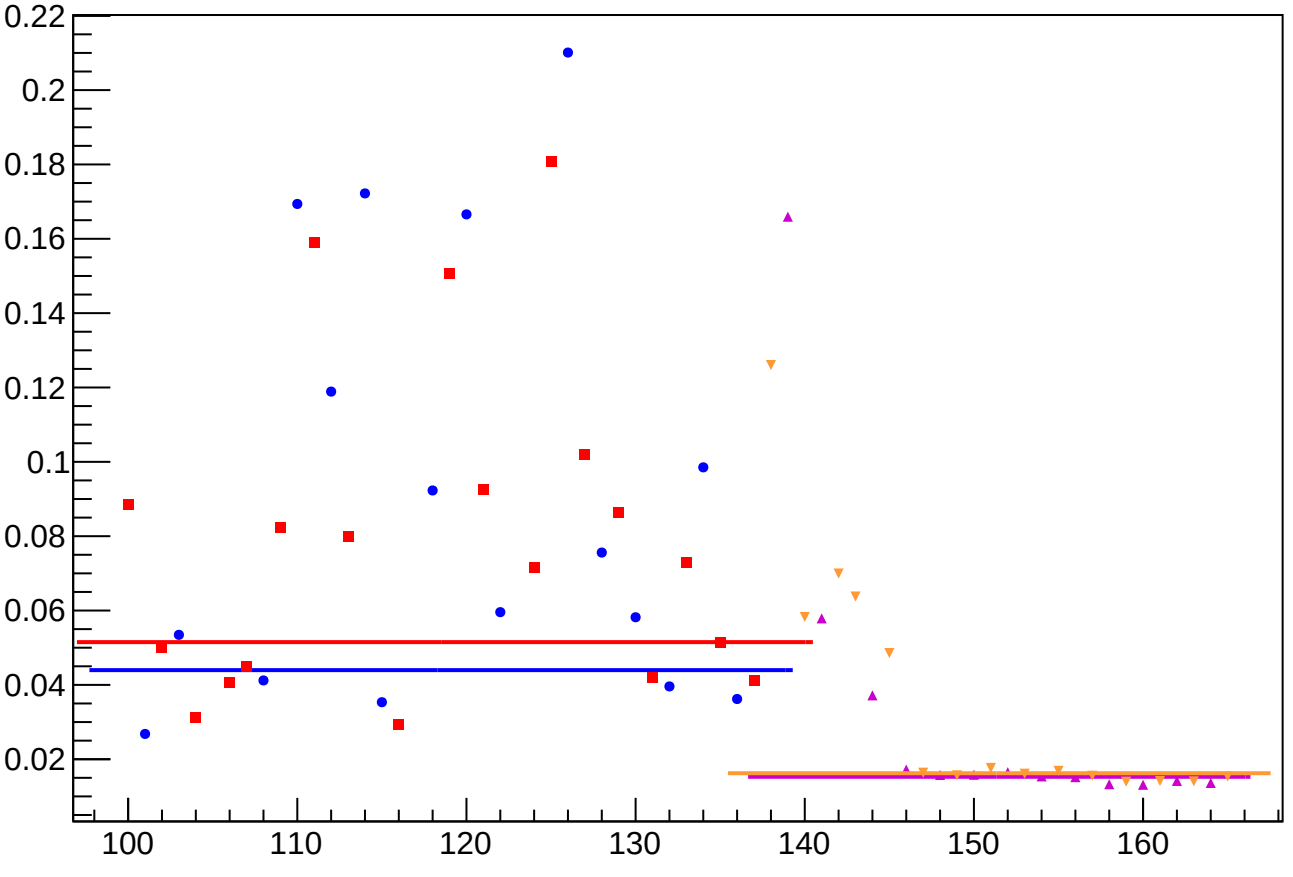
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.977+/-0.000 χ^2/NDF:34369553121.9/28

Out: 0.962+/-0.000 χ^2/NDF:30087733344.6/33

All: 0.969+/-0.000 χ^2/NDF: 64461030746.7/6

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:2876356.7/14

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2143706.2/12

Left: 0.016+/-0.000 χ^2/NDF: 5048823.7/27

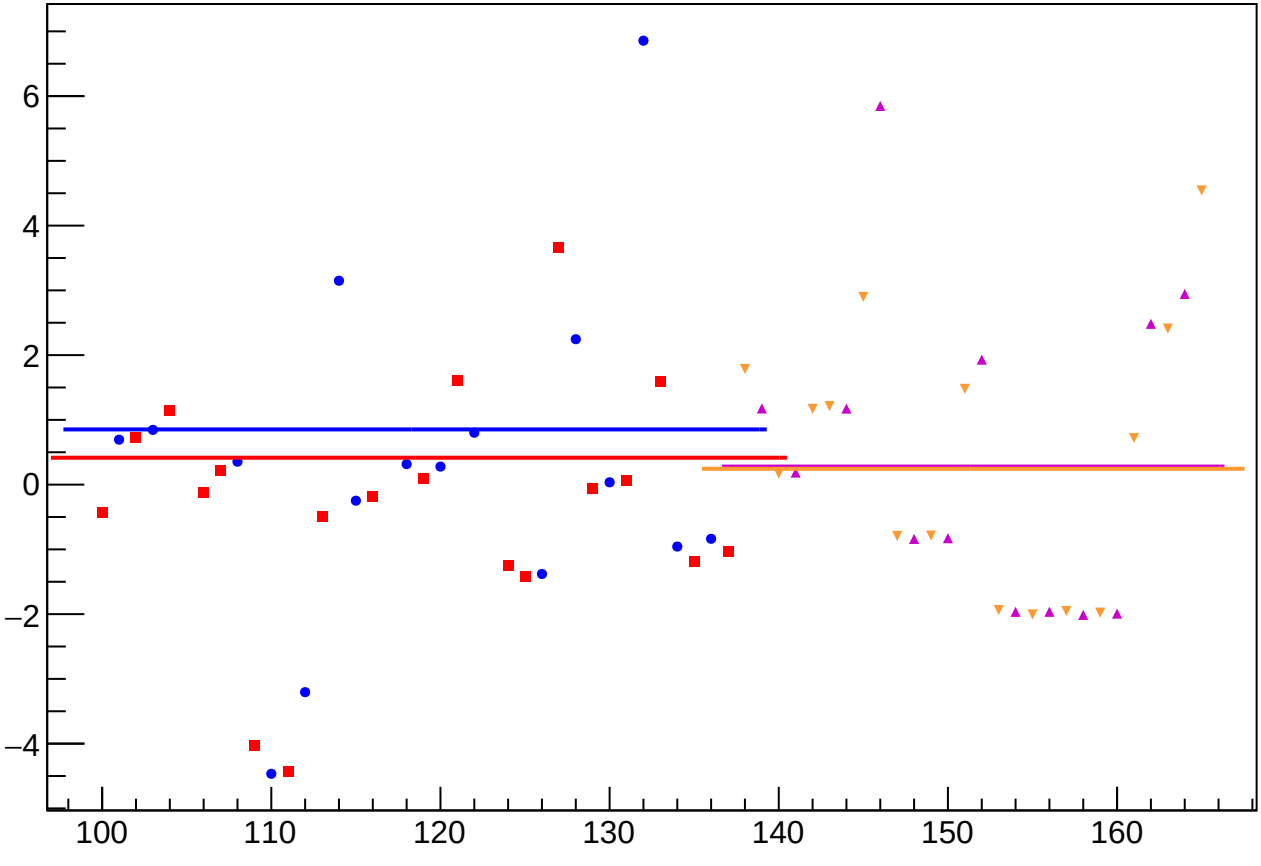
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8010430.8/28

Out: 0.018+/-0.000 χ^2/NDF:9127301.1/33

All: 0.017+/-0.000 χ^2/NDF: 17179321.9/62

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.245+/-0.000 χ^2/NDF:246058597333.9/14

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.279+/-0.000 χ^2/NDF:327087124838.6/12

Left: 0.262+/-0.000 χ^2/NDF: 573174005810.6/27

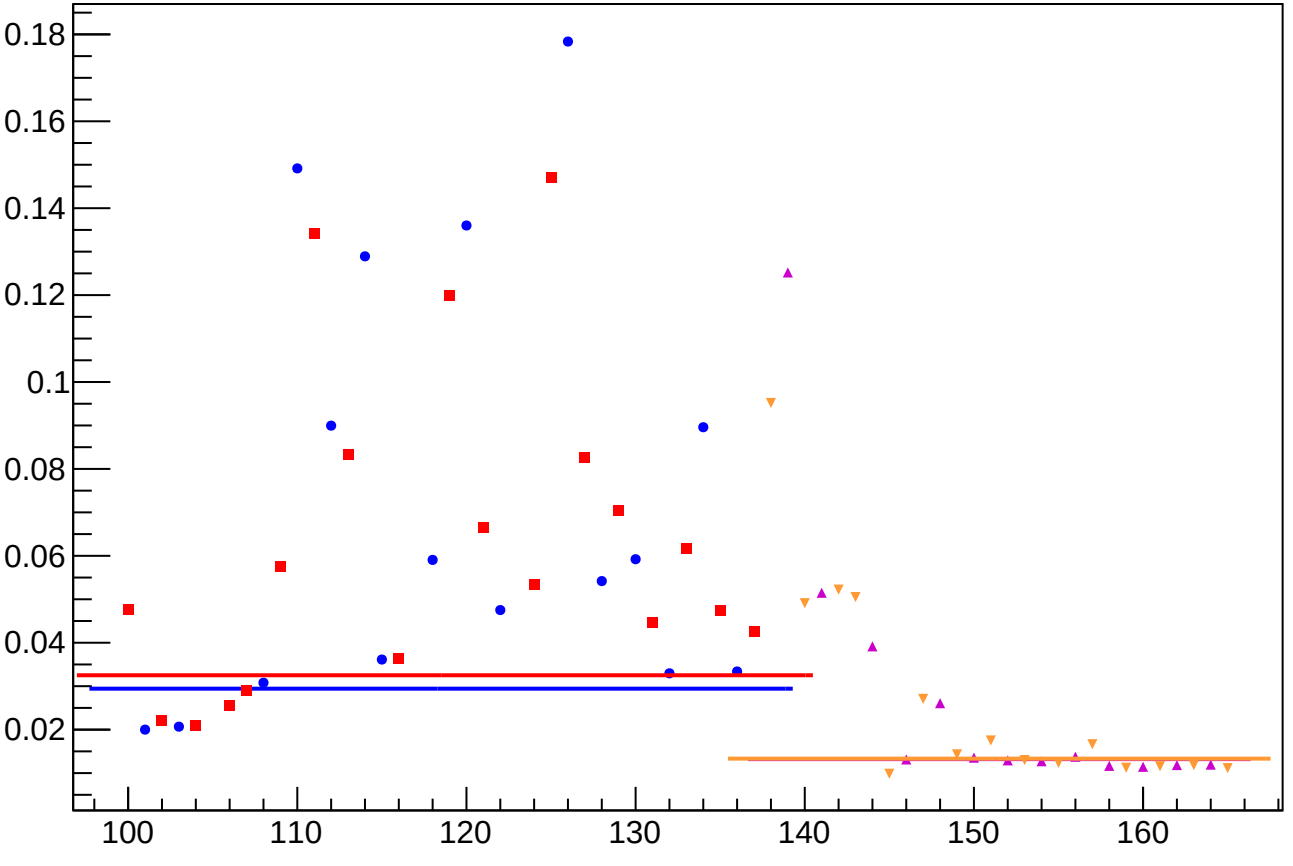
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.326+/-0.000 χ^2/NDF:339949006579.1/28

Out: 0.258+/-0.000 χ^2/NDF:251286367305.0/33

All: 0.292+/-0.000 χ^2/NDF: 591356755292.6

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:3070780.3/14

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2629962.1/12

Left: 0.013+/-0.000 χ^2/NDF: 5701311.5/27

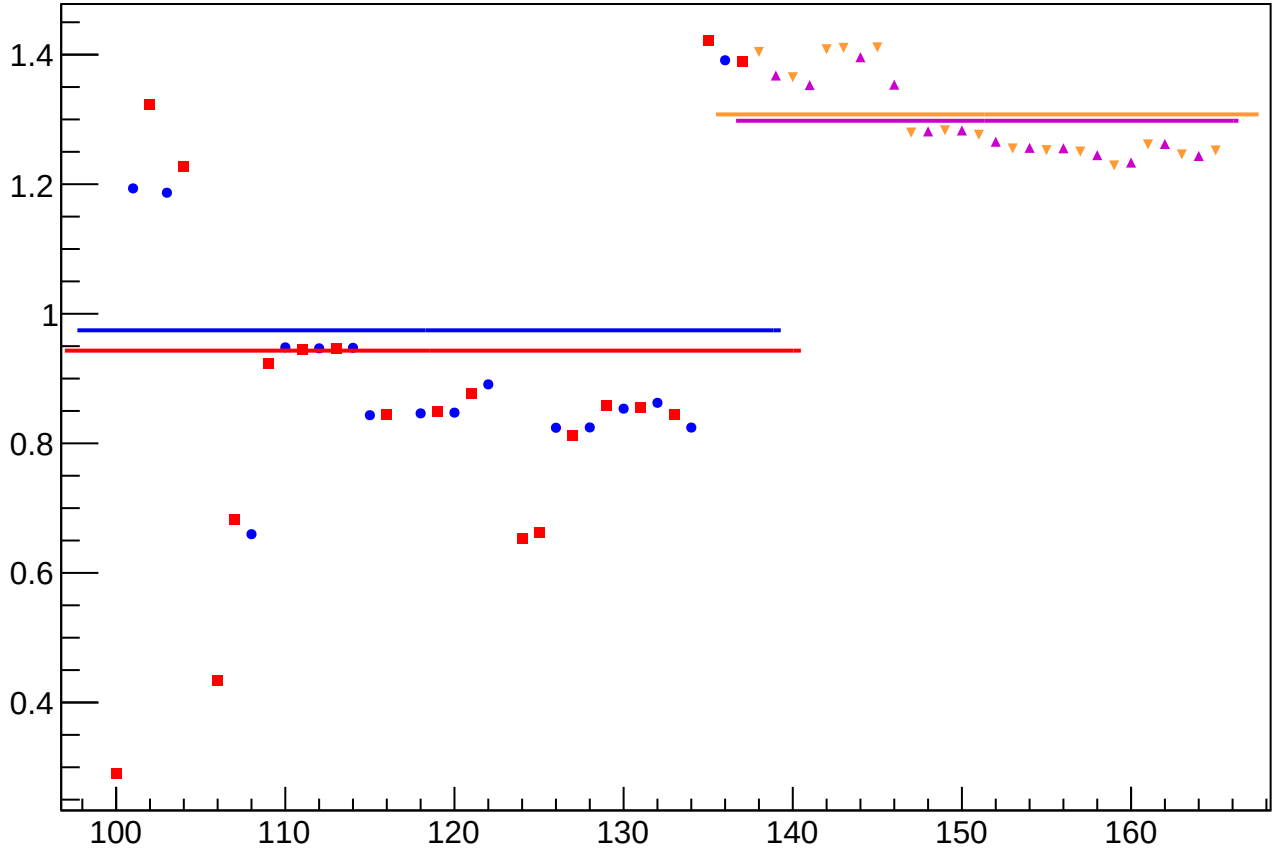
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.015+/-0.000 χ^2/NDF:7877753.9/28

Out: 0.015+/-0.000 χ^2/NDF:9042435.5/33

All: 0.015+/-0.000 χ^2/NDF: 16923004.0/62

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.308+/-0.000 χ^2/NDF:259709314.9/14

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.298+/-0.000 χ^2/NDF:151887677.7/12

Left: 1.303+/-0.000 χ^2/NDF: 414203922.3/27

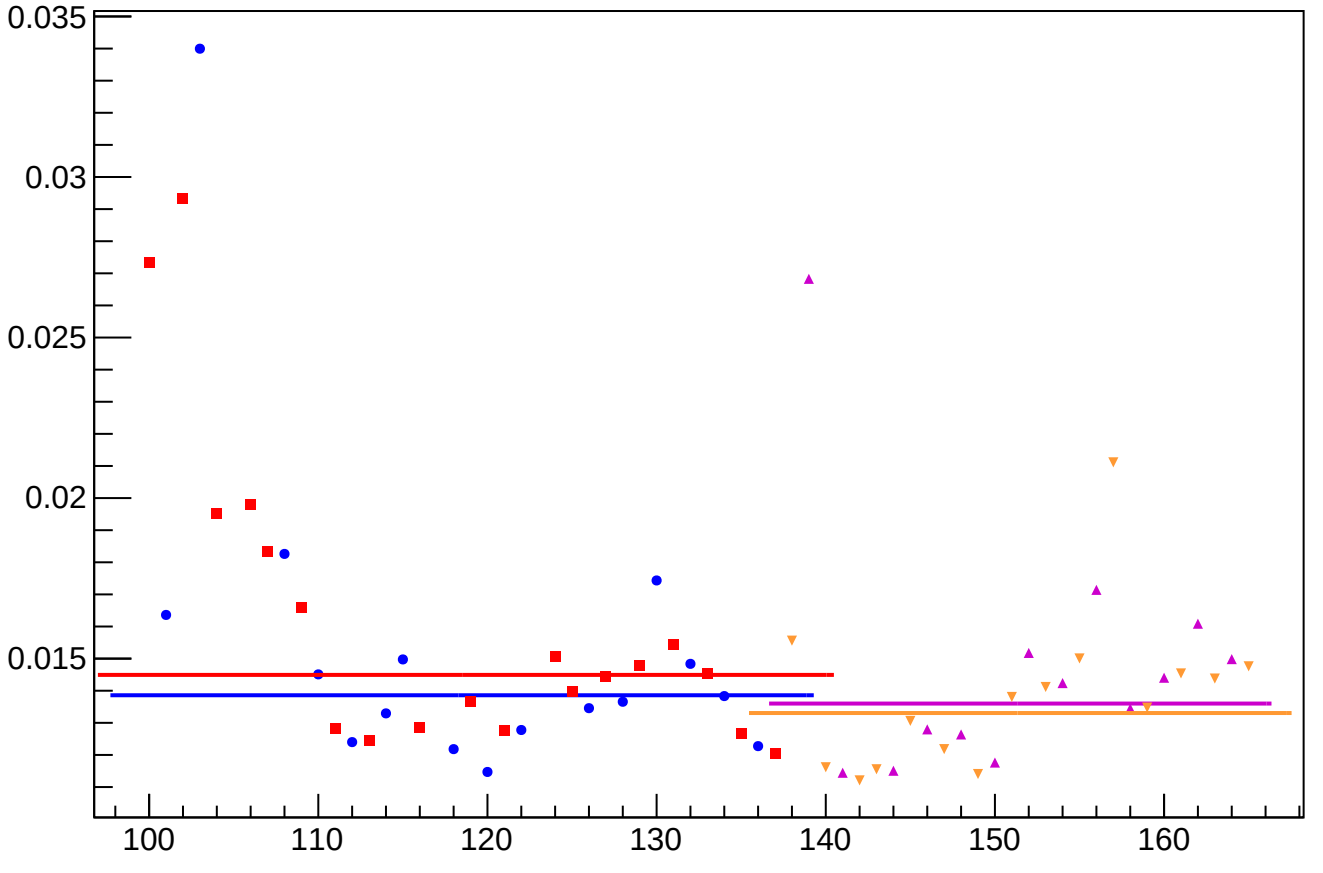
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.173+/-0.000 χ^2/NDF:3691020742.0/28

Out: 1.181+/-0.000 χ^2/NDF:4575553867.2/33

All: 1.177+/-0.000 χ^2/NDF: 8269037914.6/62

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:400746.8/14

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:684590.7/12

Left: 0.013+/-0.000 χ^2/NDF: 1090049.1/27

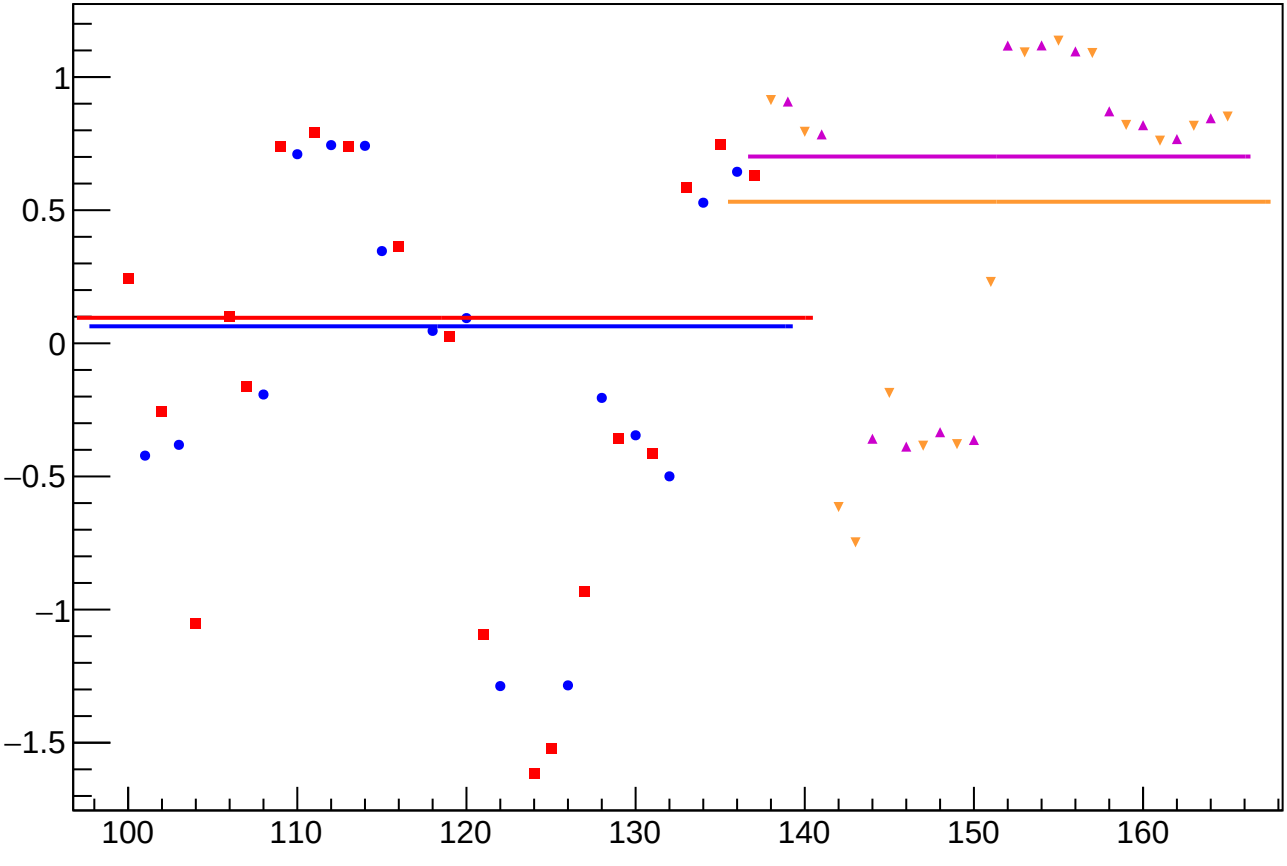
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1287232.2/28

Out: 0.014+/-0.000 χ^2/NDF:1001192.3/33

All: 0.014+/-0.000 χ^2/NDF: 2288455.1/62

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.532+/-0.000 χ^2/NDF:26916421250.4/14

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.702+/-0.000 χ^2/NDF:17456719142.7/12

Left: 0.616+/-0.000 χ^2/NDF: 45445500370.6/27

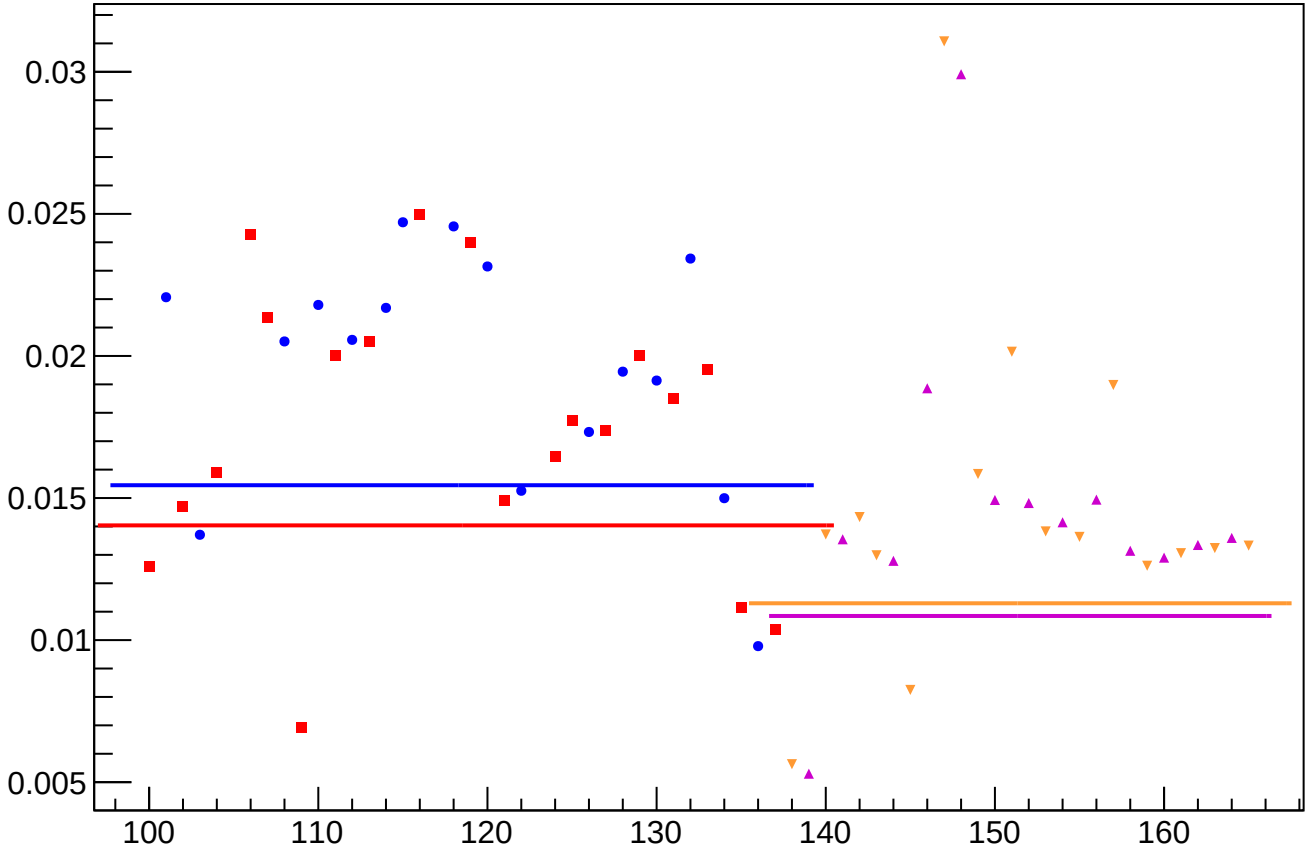
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.540+/-0.000 χ^2/NDF:36132747089.0/28

Out: 0.407+/-0.000 χ^2/NDF:48750285511.4/33

All: 0.472+/-0.000 χ^2/NDF: 85780789750.7/6

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:3070102.3/14

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3428659.1/12

Left: 0.011+/-0.000 χ^2/NDF: 6513587.0/27

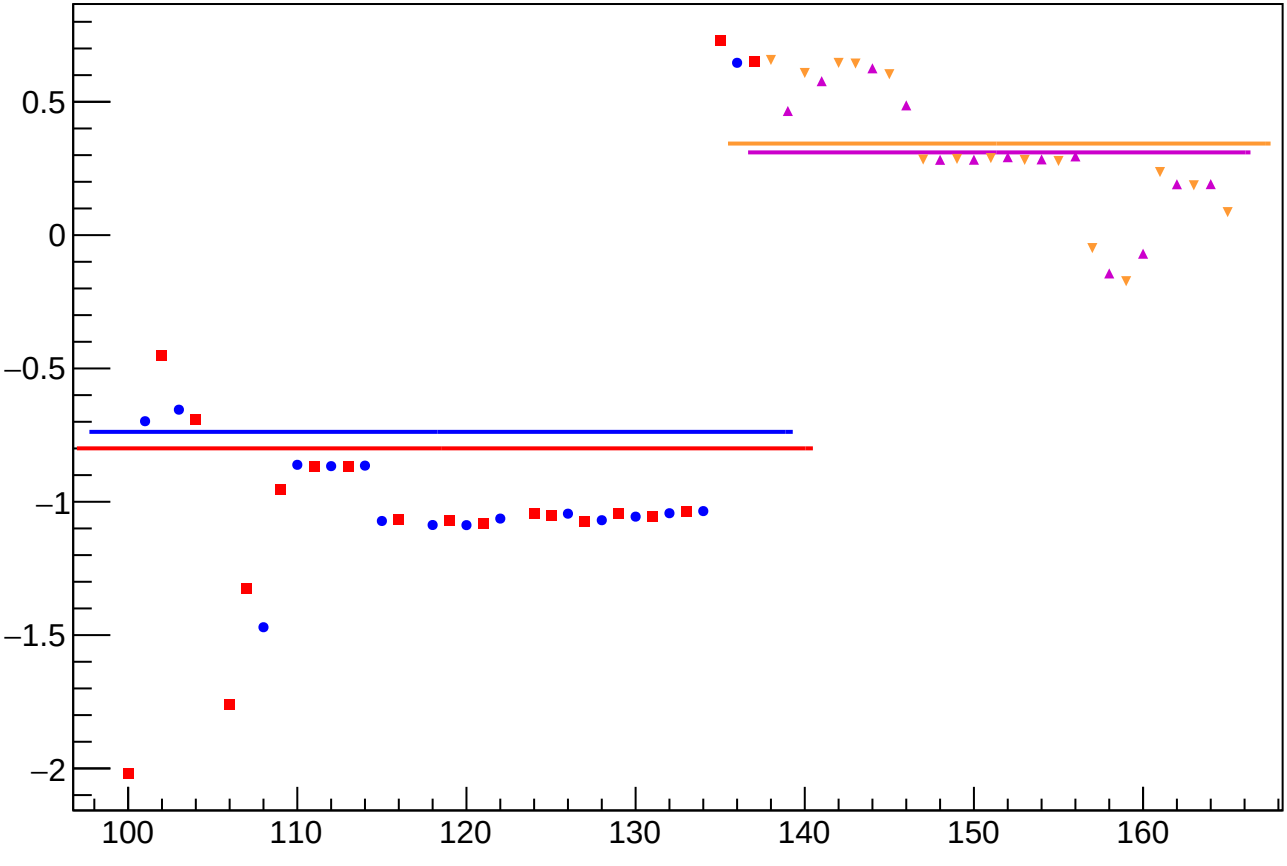
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5517991.7/28

Out: 0.012+/-0.000 χ^2/NDF:5076994.0/33

All: 0.012+/-0.000 χ^2/NDF: 10595402.5/62

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.343+/-0.000 χ^2/NDF:504477948.7/14

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.310+/-0.000 χ^2/NDF:404942792.2/12

Left: 0.328+/-0.000 χ^2/NDF: 913913504.3/27

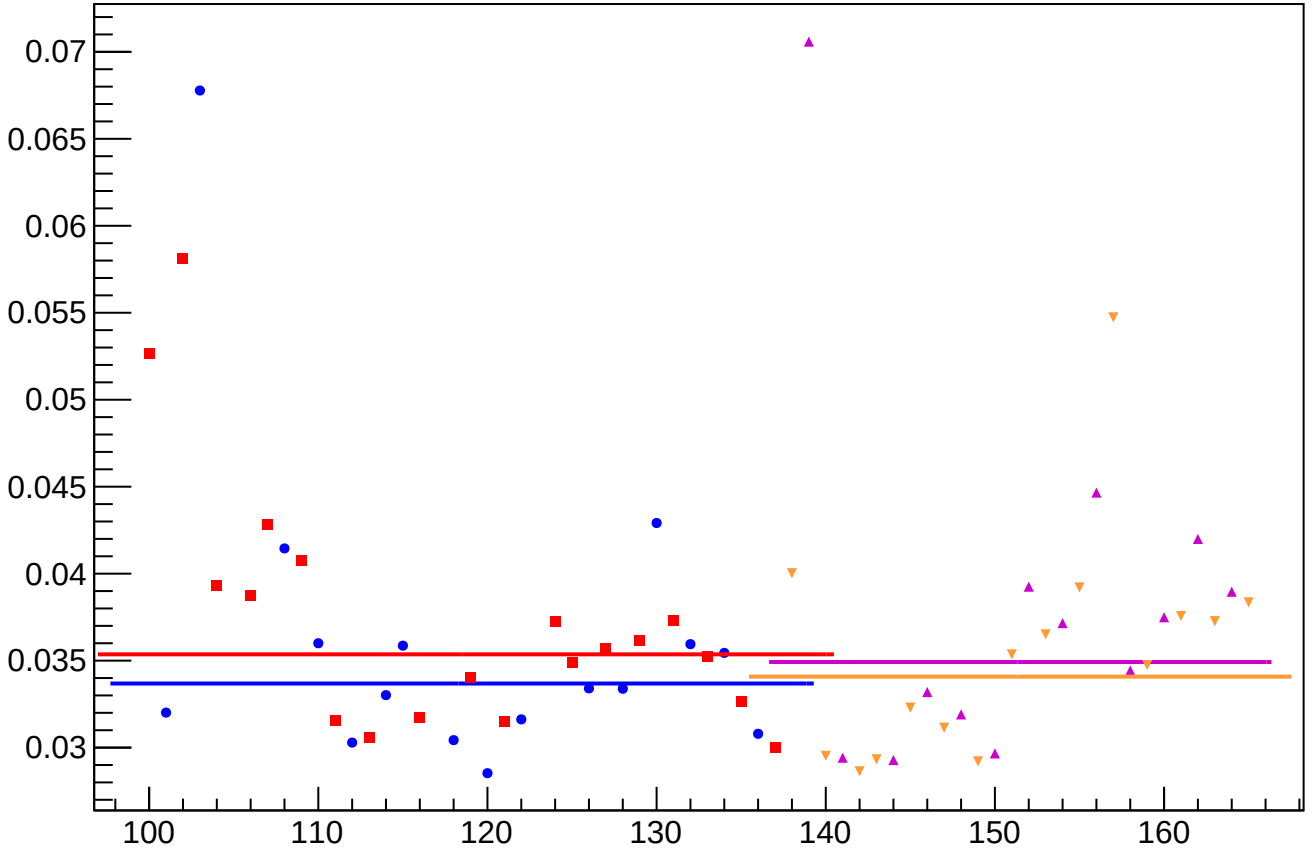
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.127+/-0.000 χ^2/NDF:6033961853.1/28

Out: -0.085+/-0.000 χ^2/NDF:6615148820.9/33

All: -0.105+/-0.000 χ^2/NDF: 12661239824.7/

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:436130.0/14

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:744944.4/12

Left: 0.034+/-0.000 χ^2/NDF: 1186853.3/27

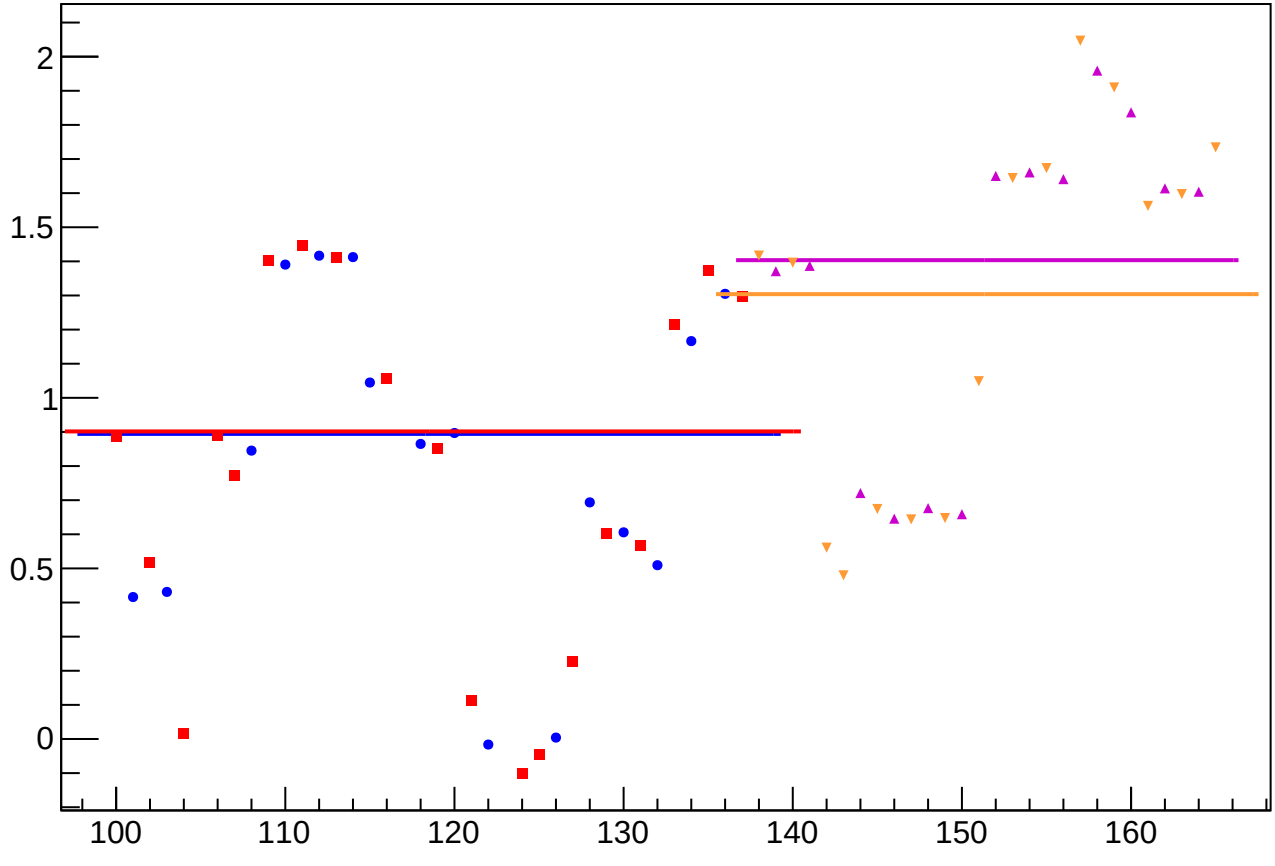
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1175064.1/28

Out: 0.035+/-0.000 χ^2/NDF:743111.5/33

All: 0.034+/-0.000 χ^2/NDF: 1918500.7/62

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.304+/-0.000 χ^2/NDF:32339163277.5/14

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.404+/-0.000 χ^2/NDF:22198176243.5/12

Left: 1.352+/-0.000 χ^2/NDF: 55161912634.2/27

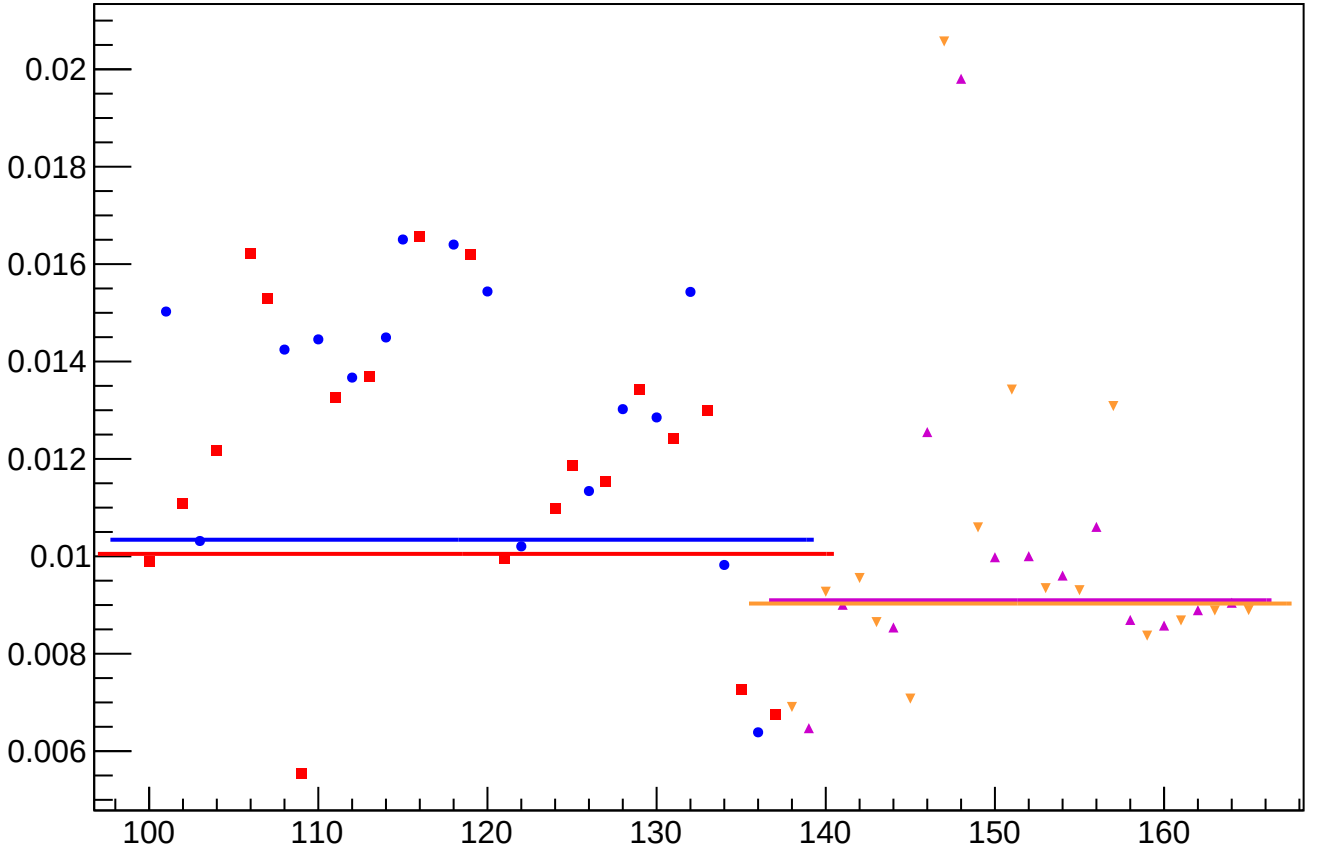
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.243+/-0.000 χ^2/NDF:44847160099.1/28

Out: 1.177+/-0.000 χ^2/NDF:56918443788.1/33

All: 1.209+/-0.000 χ^2/NDF: 102161018349.2

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:1123829.9/14

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917976.6/12

Left: 0.009+/-0.000 χ^2/NDF: 2042372.7/27

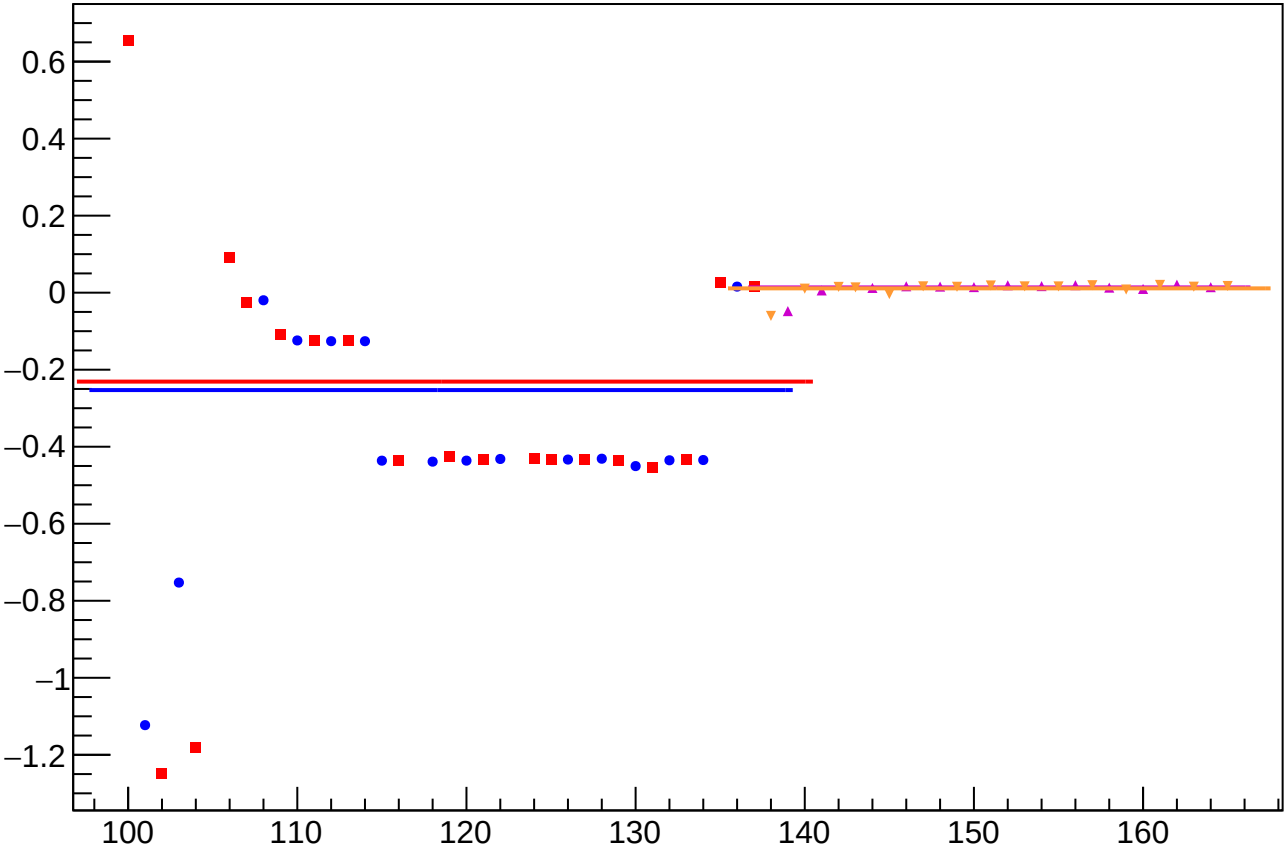
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2386447.0/28

Out: 0.009+/-0.000 χ^2/NDF:2546581.6/33

All: 0.009+/-0.000 χ^2/NDF: 4936549.1/62

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:23079249.8/14

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6203930.2/12

Left: 0.012+/-0.000 χ^2/NDF: 29594590.8/27

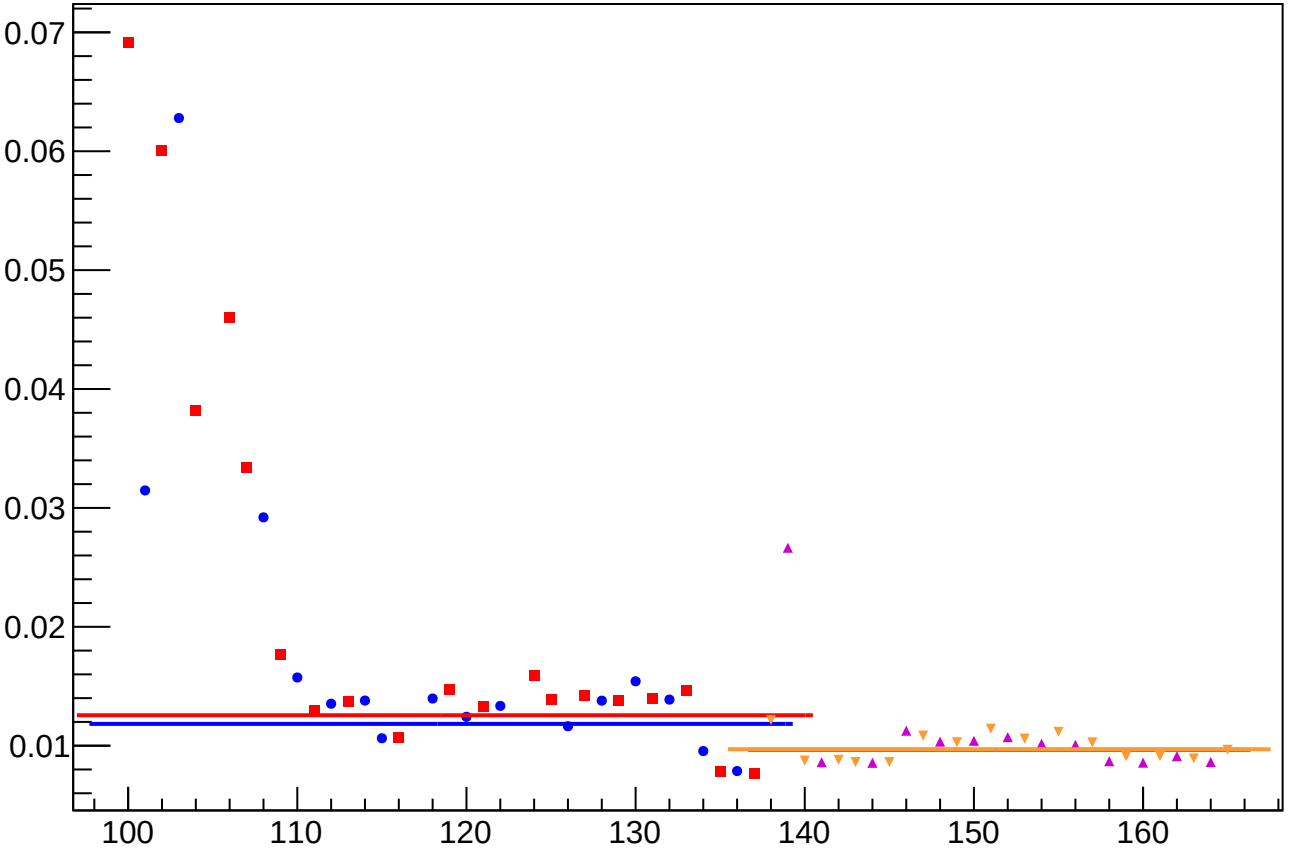
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.059+/-0.000 χ^2/NDF:3871614477.3/28

Out: -0.046+/-0.000 χ^2/NDF:3255705997.4/33

All: -0.052+/-0.000 χ^2/NDF: 7138315977.5/6

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:222044.2/14

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:845436.1/12

Left: 0.010+/-0.000 χ^2/NDF: 1067708.2/27

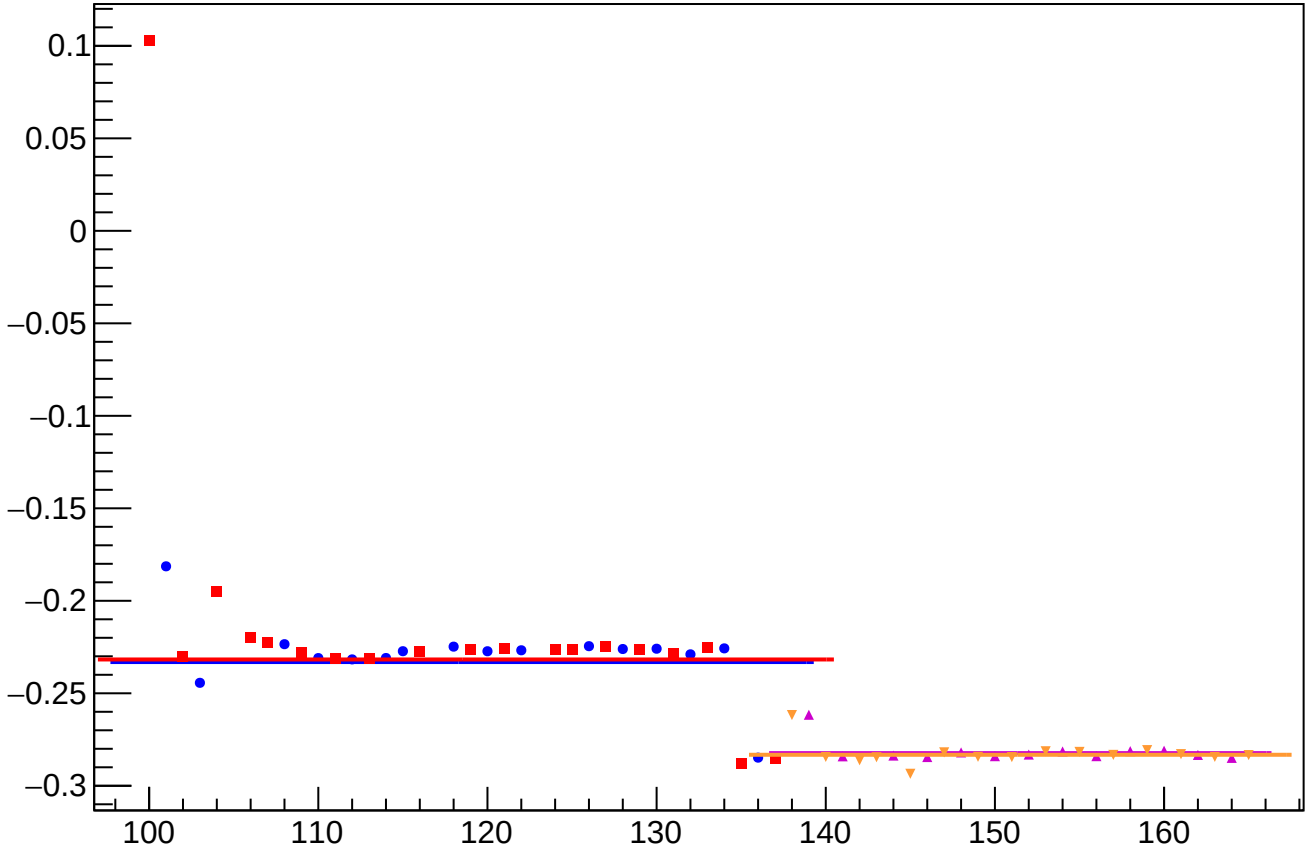
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3033959.5/28

Out: 0.010+/-0.000 χ^2/NDF:2836118.1/33

All: 0.010+/-0.000 χ^2/NDF: 5872278.1/62

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:15014174.1/14

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6479885.8/12

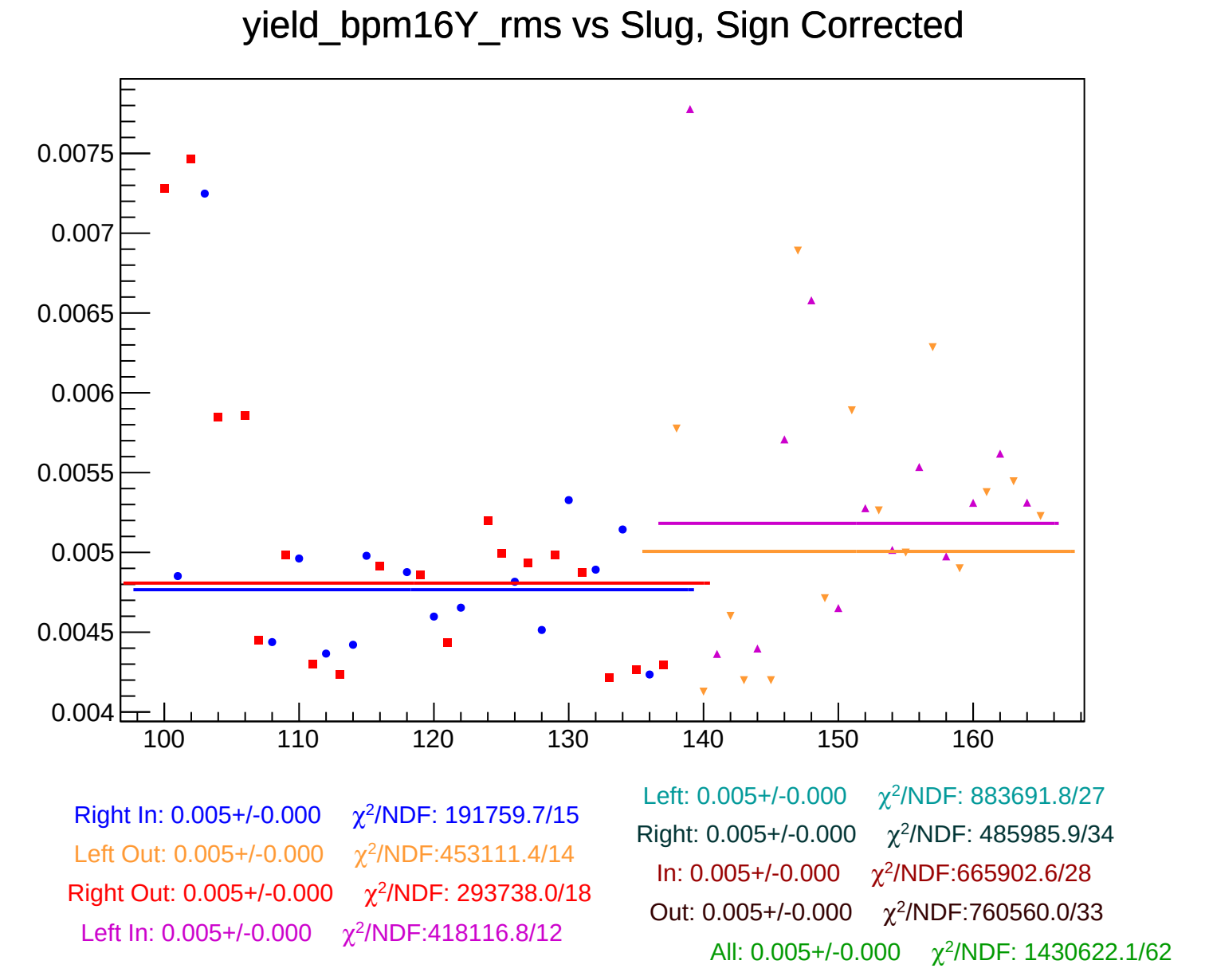
Left: -0.283+/-0.000 χ^2/NDF: 21654518.0/27

Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

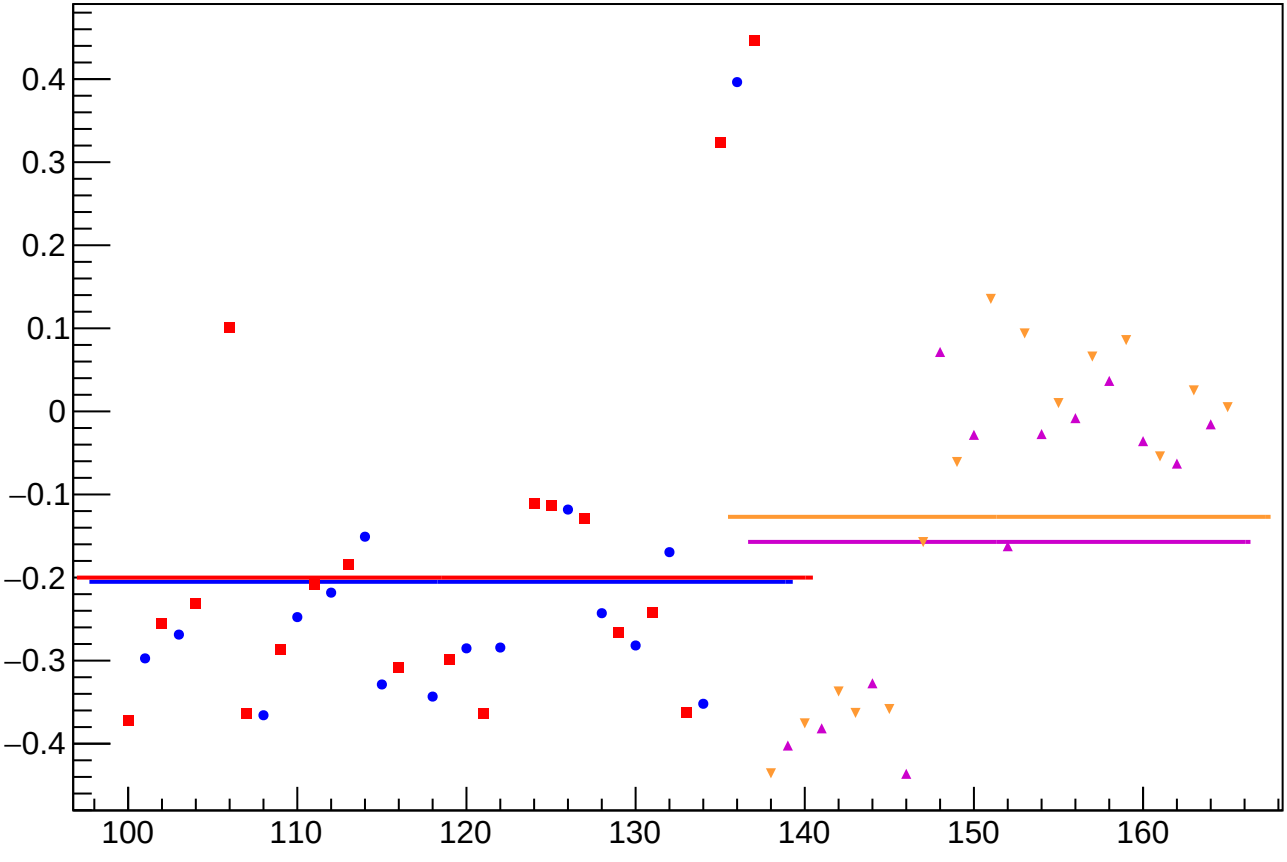
In: -0.261+/-0.000 χ^2/NDF:598498139.0/28

Out: -0.263+/-0.000 χ^2/NDF:762937693.5/33

All: -0.262+/-0.000 χ^2/NDF: 1361997324.7/6


yield_bpm16Y_rms vs Slug, Sign Corrected
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:453111.4/14
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:418116.8/12
Left: 0.005+/-0.000 χ²/NDF: 883691.8/27
Right: 0.005+/-0.000 χ²/NDF: 485985.9/34
In: 0.005+/-0.000 χ²/NDF:665902.6/28
Out: 0.005+/-0.000 χ²/NDF:760560.0/33
All: 0.005+/-0.000 χ²/NDF: 1430622.1/62

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.127+/-0.000 χ^2/NDF:14731687325.5/14

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.157+/-0.000 χ^2/NDF:9724593731.8/12

Left: -0.141+/-0.000 χ^2/NDF: 24608134526.7/27

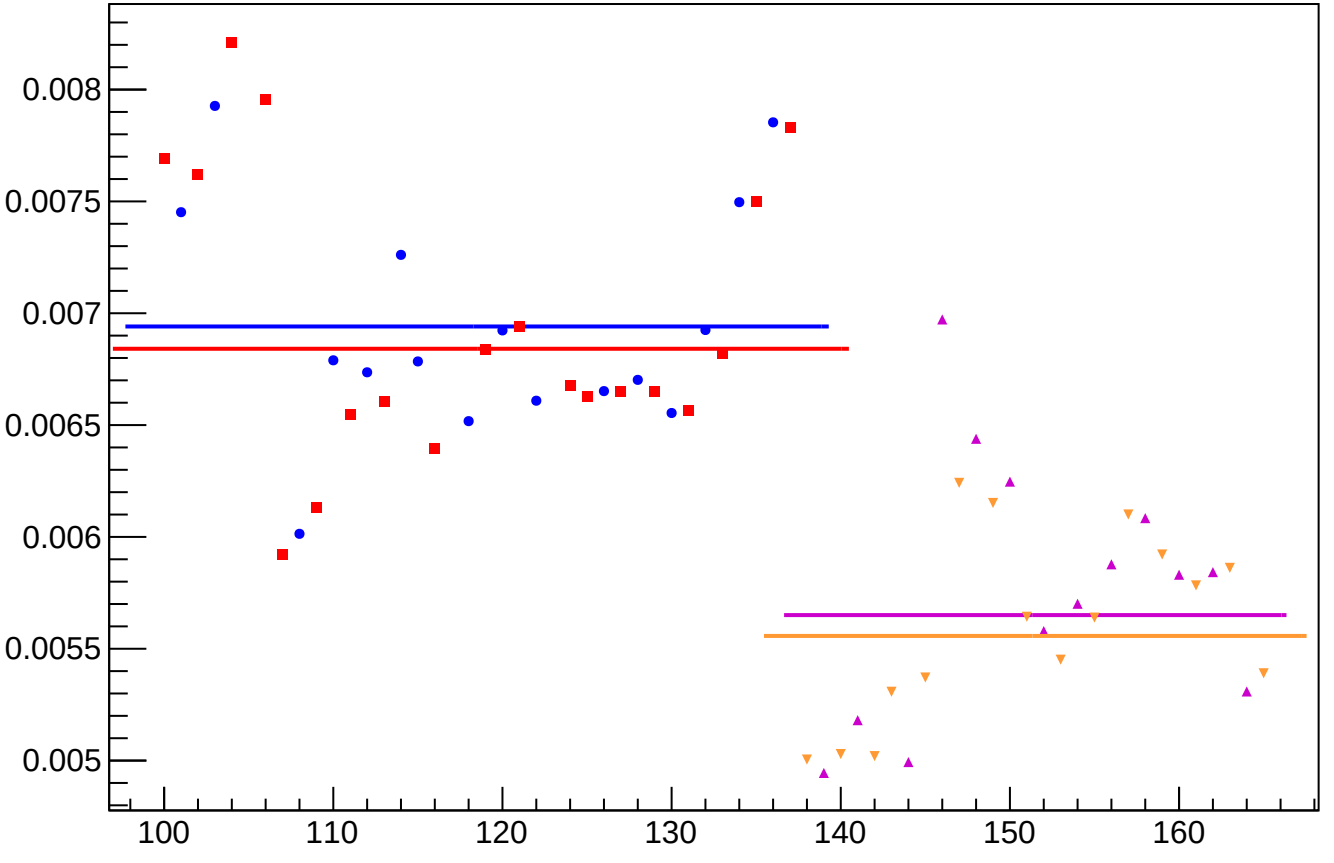
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.172+/-0.000 χ^2/NDF:16143971581.2/28

Out: -0.149+/-0.000 χ^2/NDF:20556609938.1/33

All: -0.160+/-0.000 χ^2/NDF: 36831313885.1/

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:109557.3/14

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:183481.8/12

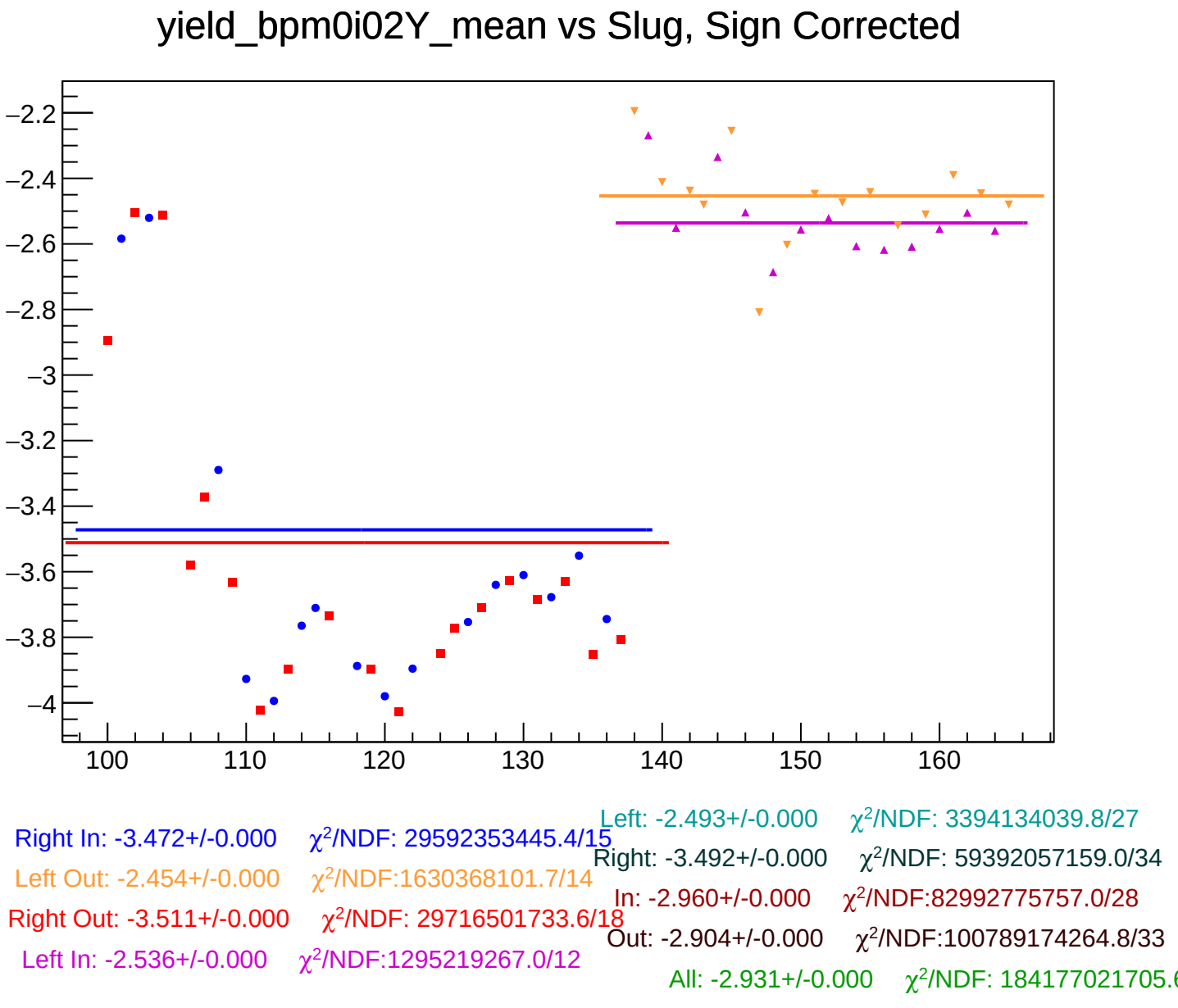
Left: 0.006+/-0.000 χ^2/NDF: 295933.5/27

Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

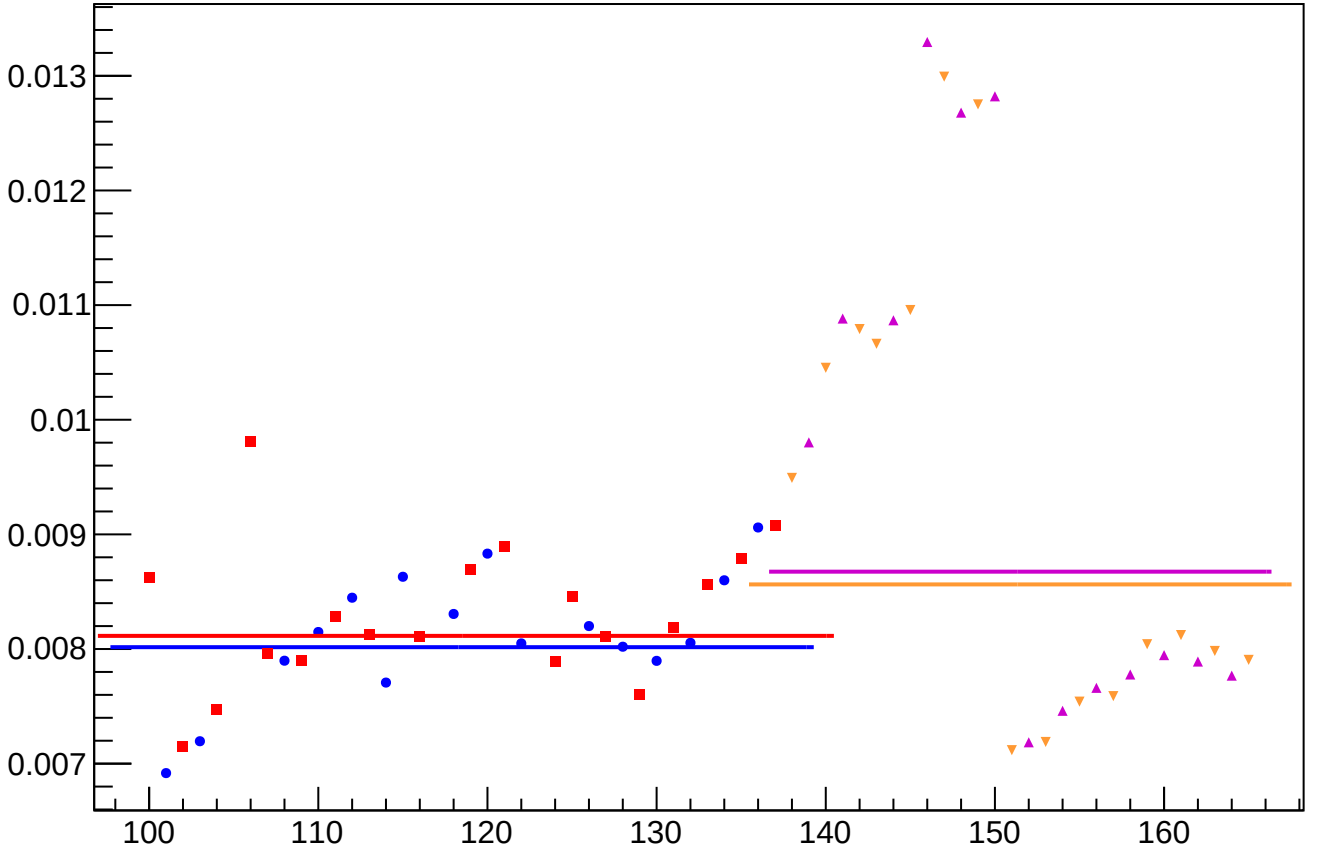
In: 0.006+/-0.000 χ^2/NDF:600759.7/28

Out: 0.006+/-0.000 χ^2/NDF:563659.9/33

All: 0.006+/-0.000 χ^2/NDF: 1170637.8/62


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
160
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.454+/-0.000 χ²/NDF:1630368101.7/14
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.536+/-0.000 χ²/NDF:1295219267.0/12
Left: -2.493+/-0.000 χ²/NDF: 3394134039.8/27
Right: -3.492+/-0.000 χ²/NDF: 59392057159.0/34
In: -2.960+/-0.000 χ²/NDF:82992775757.0/28
Out: -2.904+/-0.000 χ²/NDF:100789174264.8/33
All: -2.931+/-0.000 χ²/NDF: 184177021705.6

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:743315.5/14

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:844511.0/12

Left: 0.009+/-0.000 χ^2/NDF: 1589533.2/27

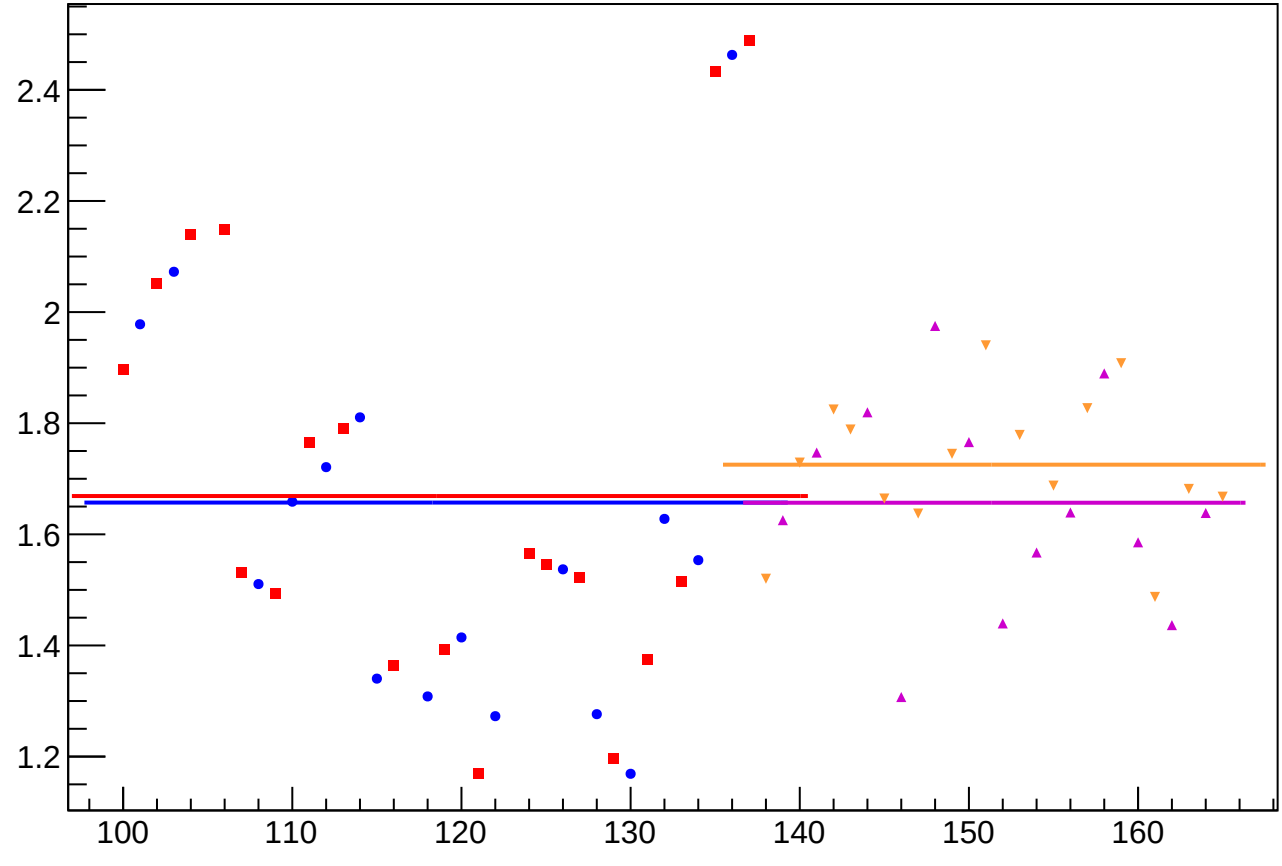
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:982324.0/28

Out: 0.008+/-0.000 χ^2/NDF:839398.2/33

All: 0.008+/-0.000 χ^2/NDF: 1821725.4/62

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.725+/-0.000 χ^2/NDF:1301511386.1/14

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.657+/-0.000 χ^2/NDF:2136284499.6/12

Left: 1.694+/-0.000 χ^2/NDF: 3619382907.8/27

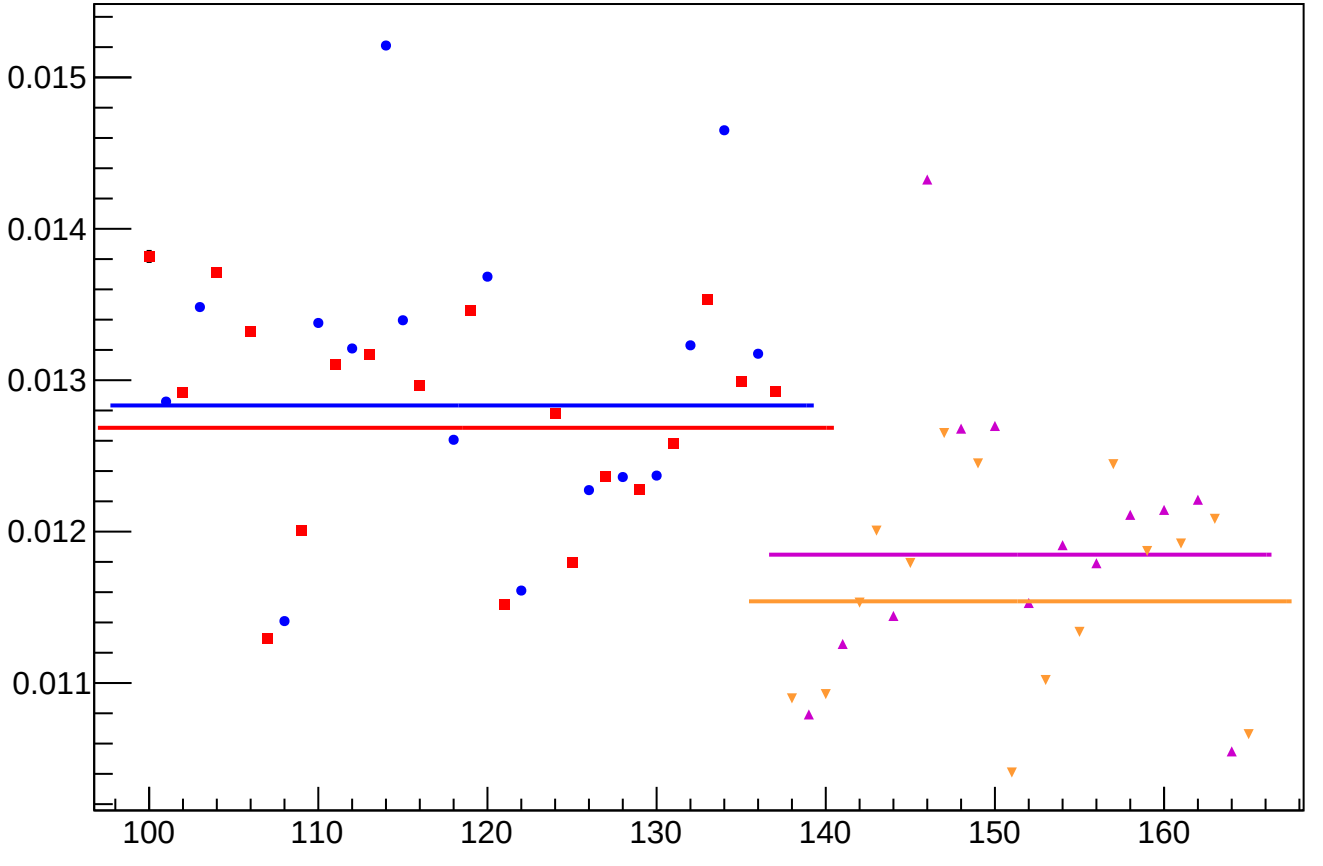
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.657+/-0.000 χ^2/NDF:8802440993.7/28

Out: 1.706+/-0.000 χ^2/NDF:7751937713.1/33

All: 1.683+/-0.000 χ^2/NDF: 16697604087.3/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:76999.8/14

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:105009.9/12

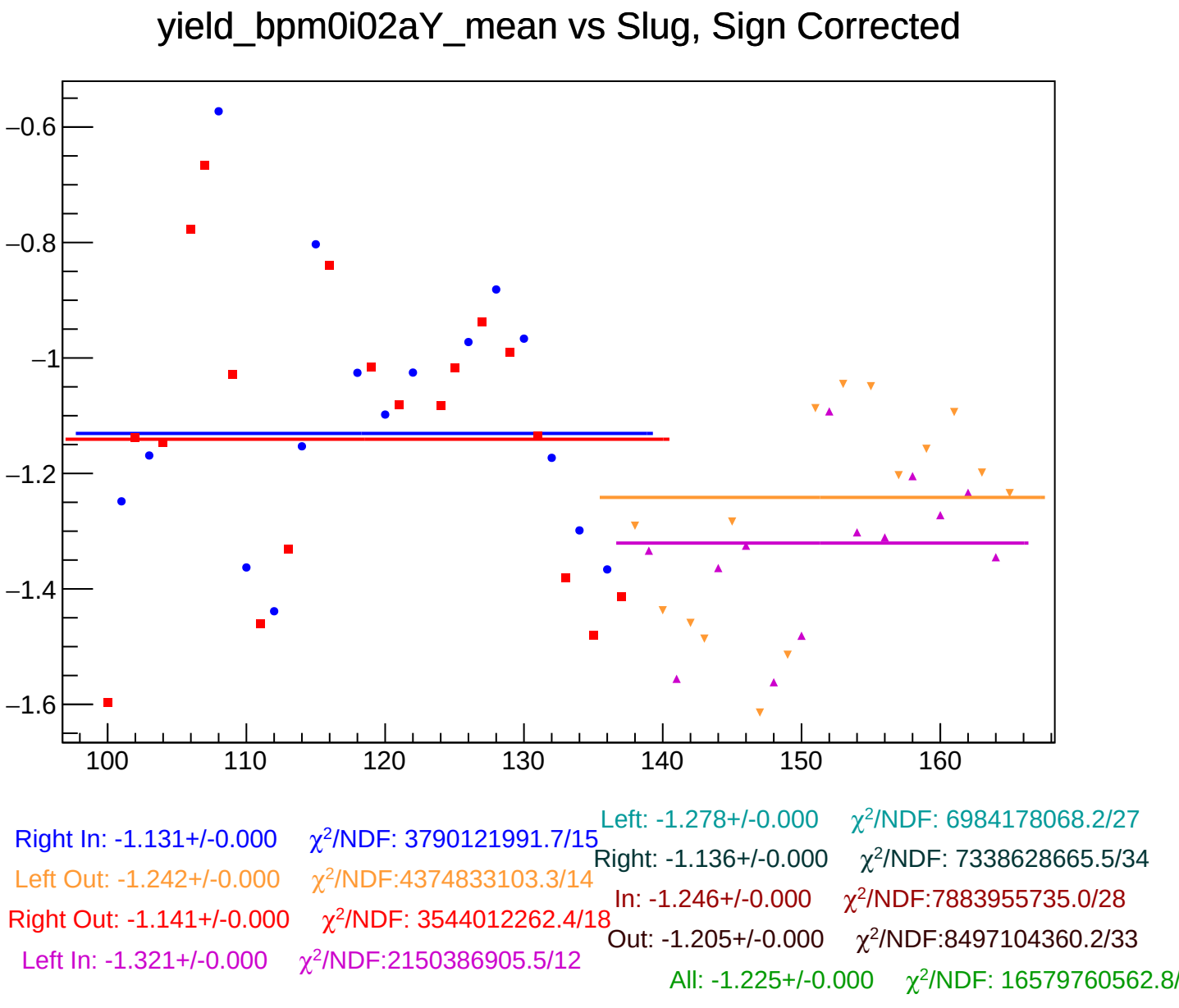
Left: 0.012+/-0.000 χ^2/NDF: 189357.8/27

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

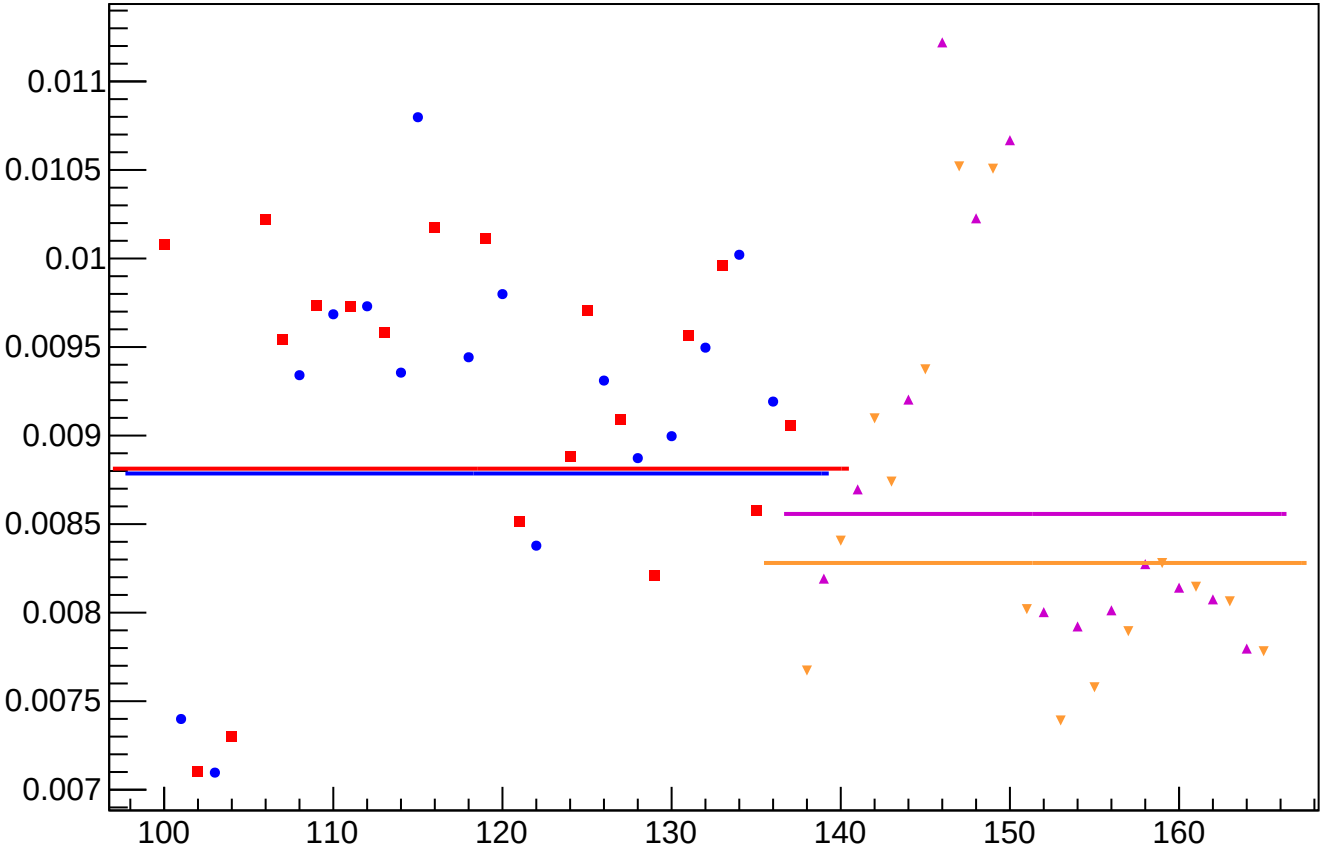
In: 0.012+/-0.000 χ^2/NDF:209615.2/28

Out: 0.012+/-0.000 χ^2/NDF:196810.5/33

All: 0.012+/-0.000 χ^2/NDF: 415400.1/62


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
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.242+/-0.000 χ²/NDF:4374833103.3/14
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.321+/-0.000 χ²/NDF:2150386905.5/12
Left: -1.278+/-0.000 χ²/NDF: 6984178068.2/27
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.246+/-0.000 χ²/NDF:7883955735.0/28
Out: -1.205+/-0.000 χ²/NDF:8497104360.2/33
All: -1.225+/-0.000 χ²/NDF: 16579760562.8/

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:212499.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:237014.3/12

Left: 0.008+/-0.000 χ^2/NDF: 460747.0/27

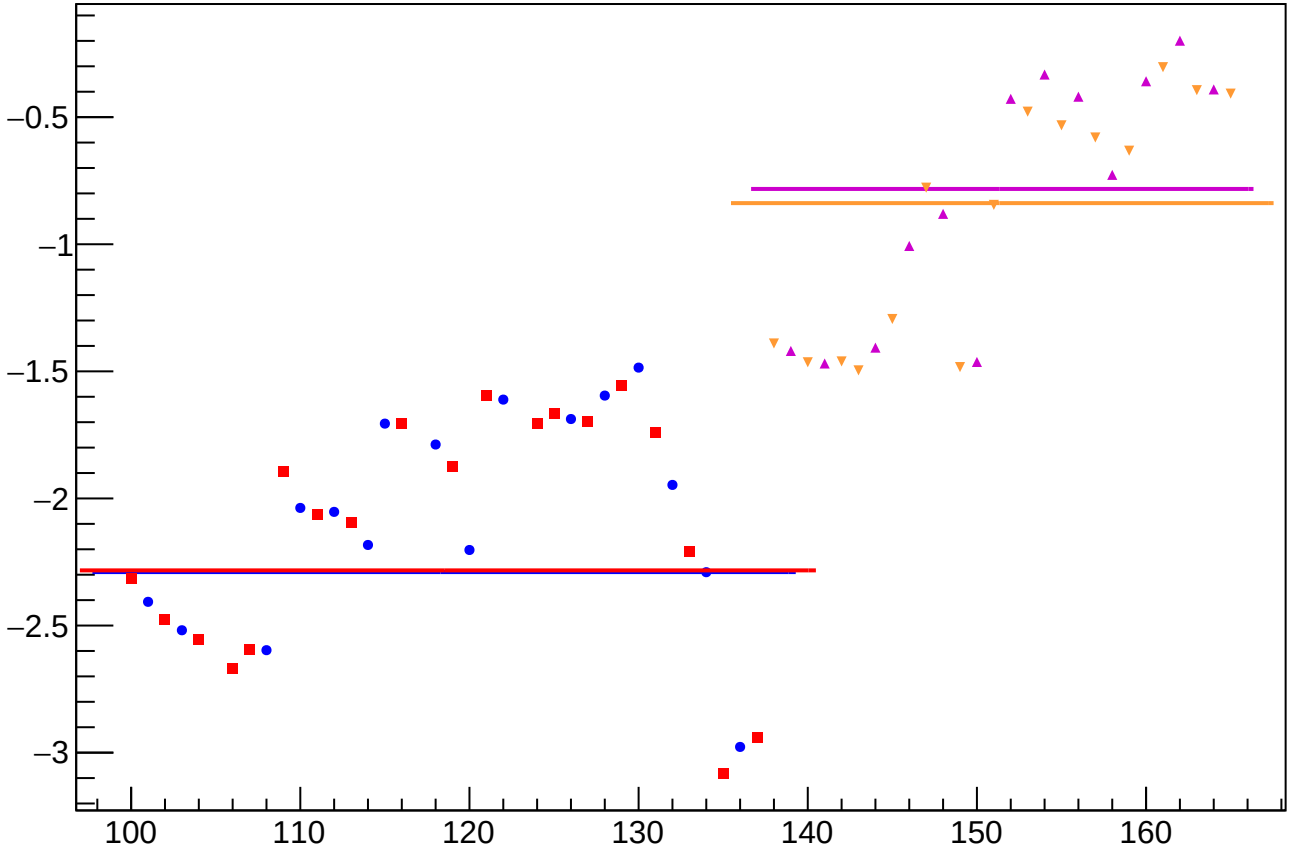
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:416117.6/28

Out: 0.008+/-0.000 χ^2/NDF:449264.9/33

All: 0.009+/-0.000 χ^2/NDF: 872494.2/62

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.838+/-0.000 χ^2/NDF:31130200856.7/14

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.782+/-0.000 χ^2/NDF:31711390829.8/12

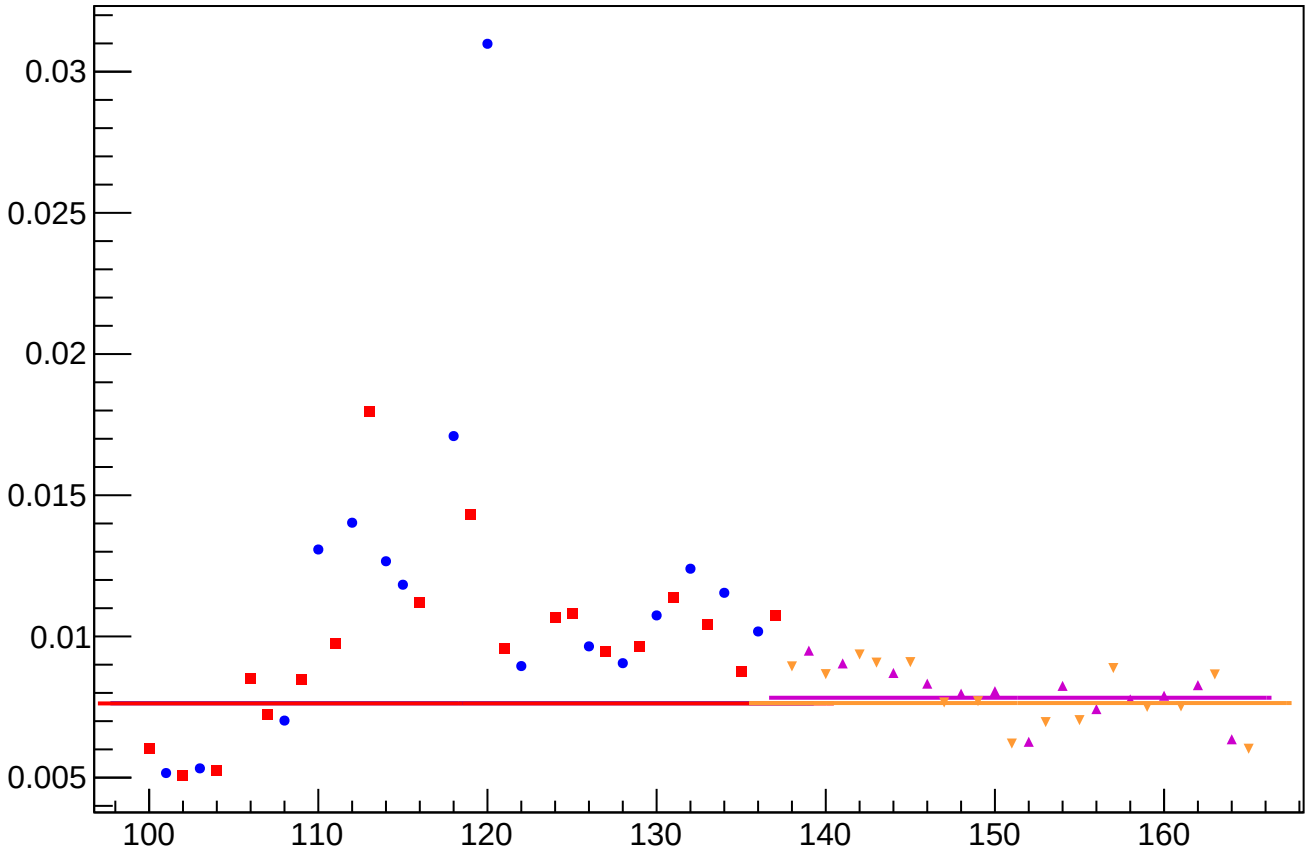
Left: -0.812+/-0.000 χ^2/NDF: 63089542591.3/27

Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.335+/-0.000 χ^2/NDF:172498114667.8/28

Out: -1.359+/-0.000 χ^2/NDF:175368470478.7/33

All: -1.347+/-0.000 χ^2/NDF: 347938192185.2



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:372285.2/14

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:261844.5/12

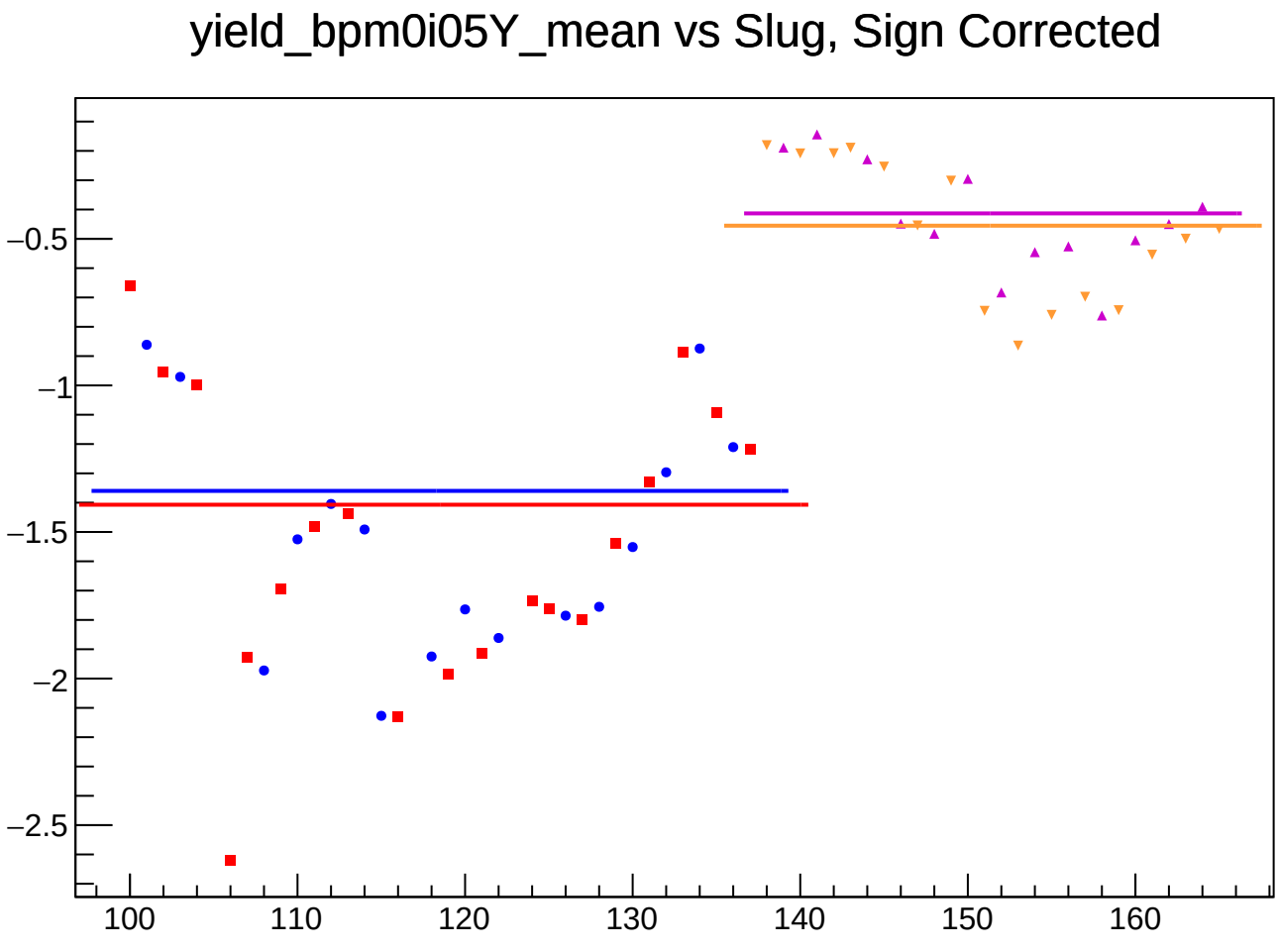
Left: 0.008+/-0.000 χ^2/NDF: 639743.1/27

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

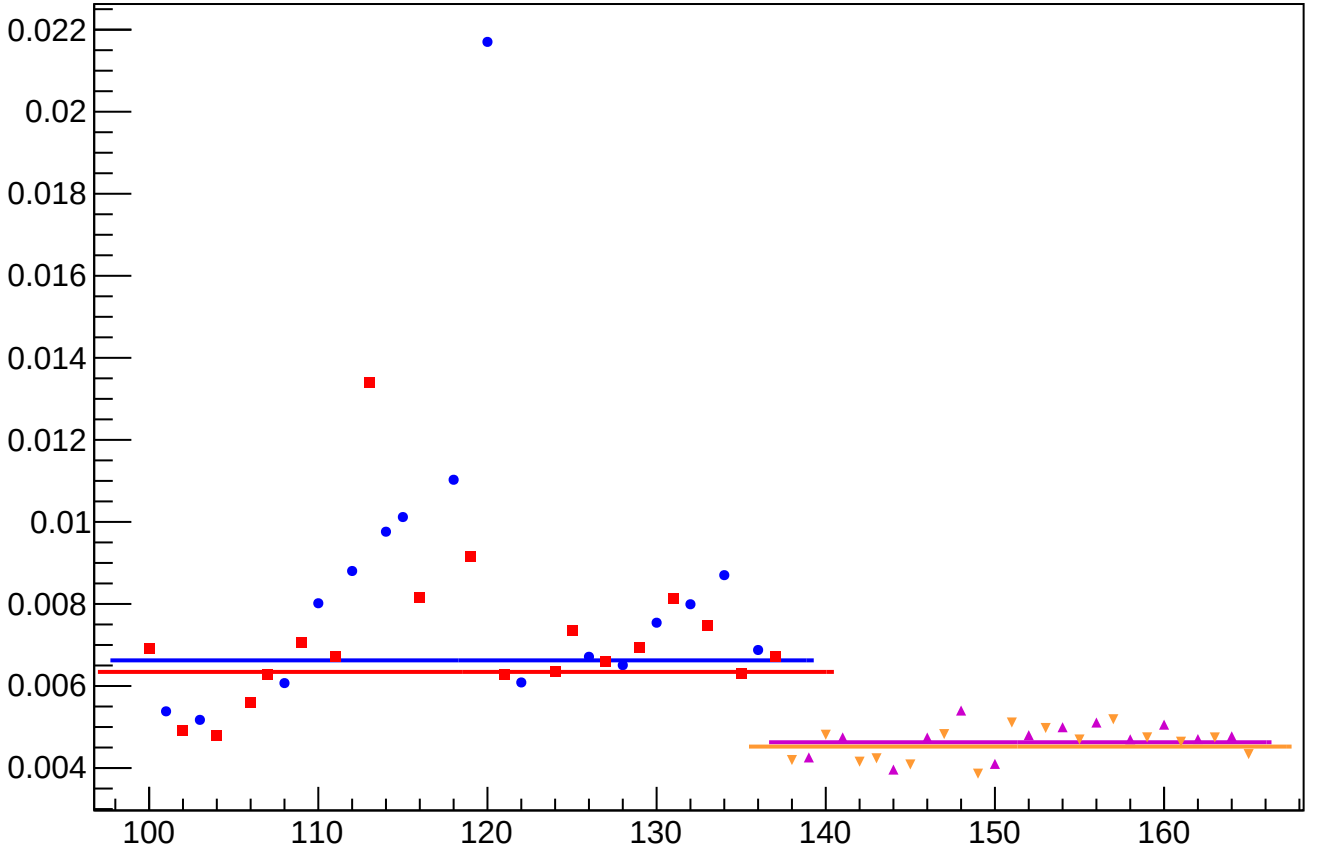
In: 0.008+/-0.000 χ^2/NDF:1976883.7/28

Out: 0.008+/-0.000 χ^2/NDF:1690047.5/33

All: 0.008+/-0.000 χ^2/NDF: 3670581.6/62


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.455+/-0.000 χ²/NDF:27893755537.7/14
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.413+/-0.000 χ²/NDF:15498387499.0/12
Left: -0.435+/-0.000 χ²/NDF: 43813946551.8/27
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.627+/-0.000 χ²/NDF:128499041267.8/28
Out: -0.673+/-0.000 χ²/NDF:163984253186.4/33
All: -0.651+/-0.000 χ²/NDF: 293141651508.7

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:157030.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:148942.8/12

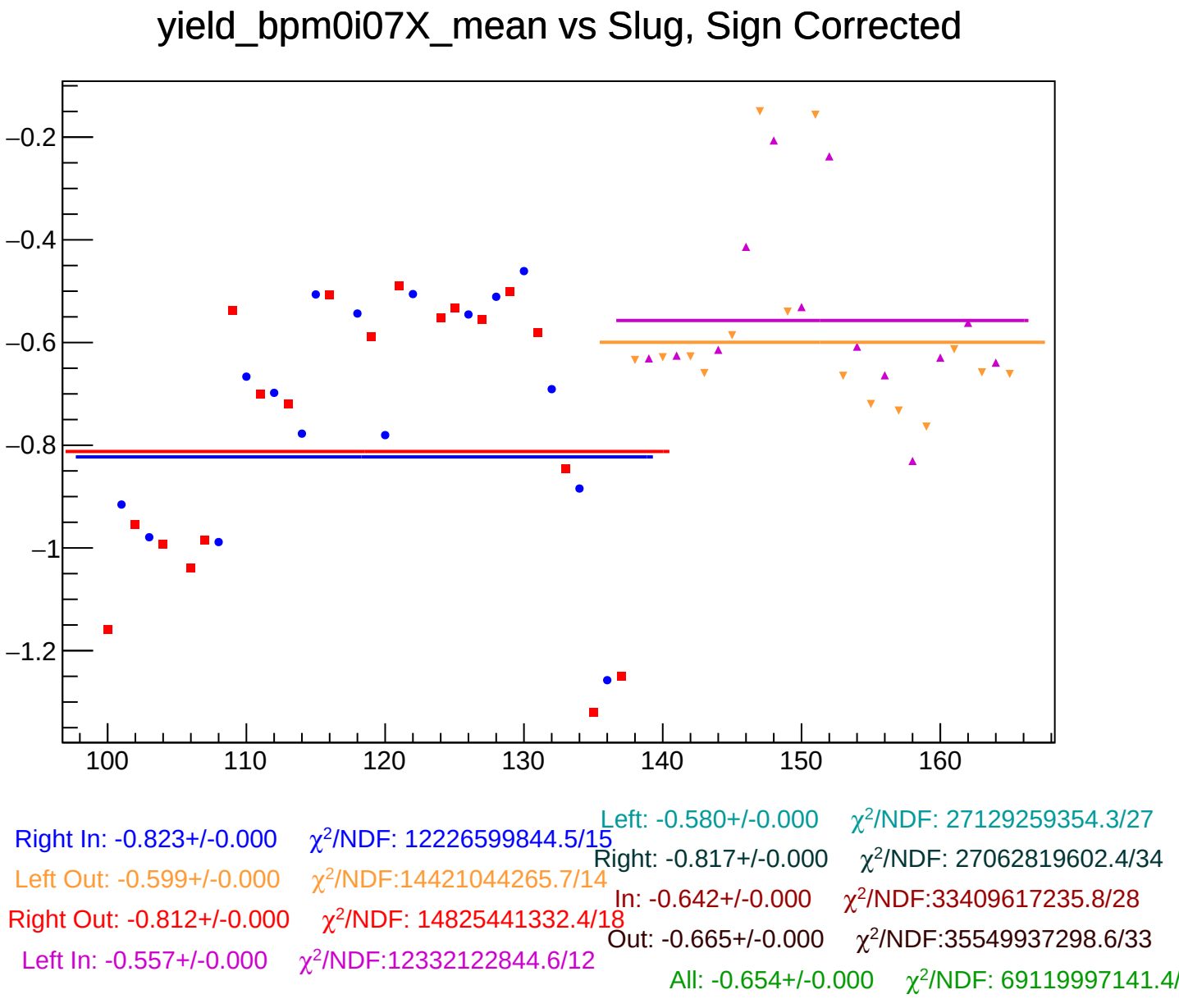
Left: 0.005+/-0.000 χ^2/NDF: 311314.7/27

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

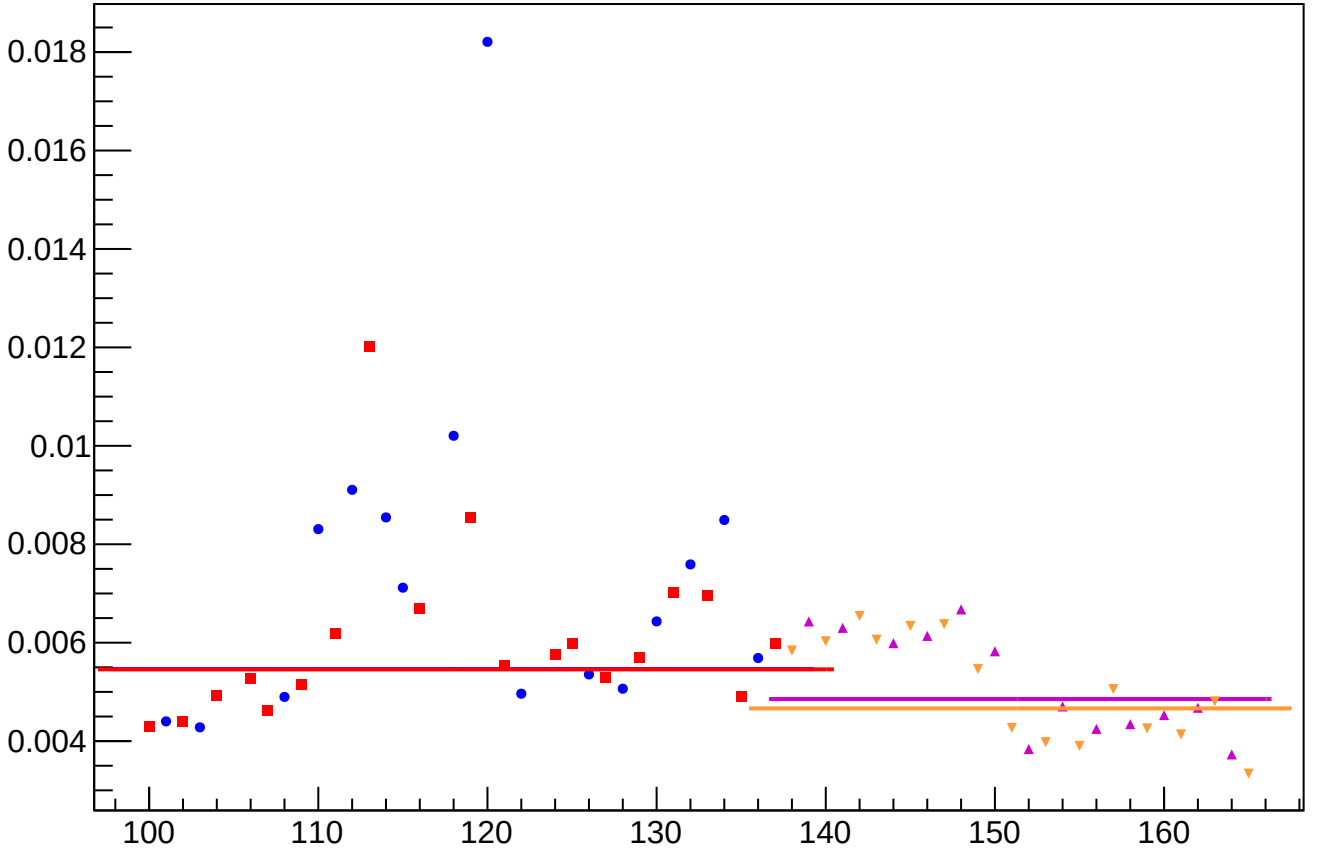
In: 0.005+/-0.000 χ^2/NDF:1656741.1/28

Out: 0.005+/-0.000 χ^2/NDF:1463419.8/33

All: 0.005+/-0.000 χ^2/NDF: 3132272.9/62


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.599+/-0.000 χ²/NDF:14421044265.7/14
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.557+/-0.000 χ²/NDF:12332122844.6/12
Left: -0.580+/-0.000 χ²/NDF: 27129259354.3/27
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.642+/-0.000 χ²/NDF:33409617235.8/28
Out: -0.665+/-0.000 χ²/NDF:35549937298.6/33
All: -0.654+/-0.000 χ²/NDF: 69119997141.4/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:840067.0/14

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:724107.8/12

Left: 0.005+/-0.000 χ^2/NDF: 1579544.4/27

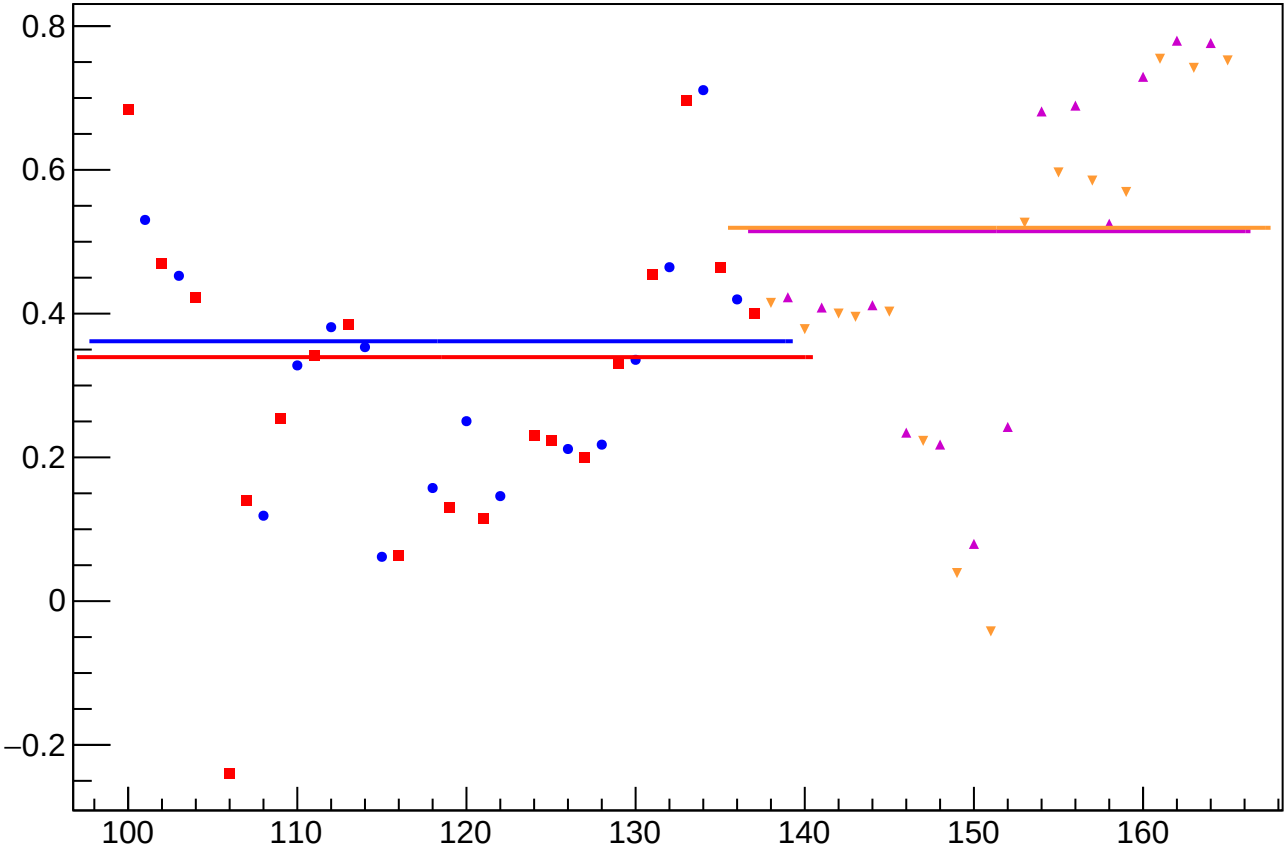
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1777909.8/28

Out: 0.005+/-0.000 χ^2/NDF:1523253.8/33

All: 0.005+/-0.000 χ^2/NDF: 3313319.9/62

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.519+/-0.000 χ^2/NDF:33405655733.9/14

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.515+/-0.000 χ^2/NDF:27481233678.9/12

Left: 0.517+/-0.000 χ^2/NDF: 60893830011.4/27

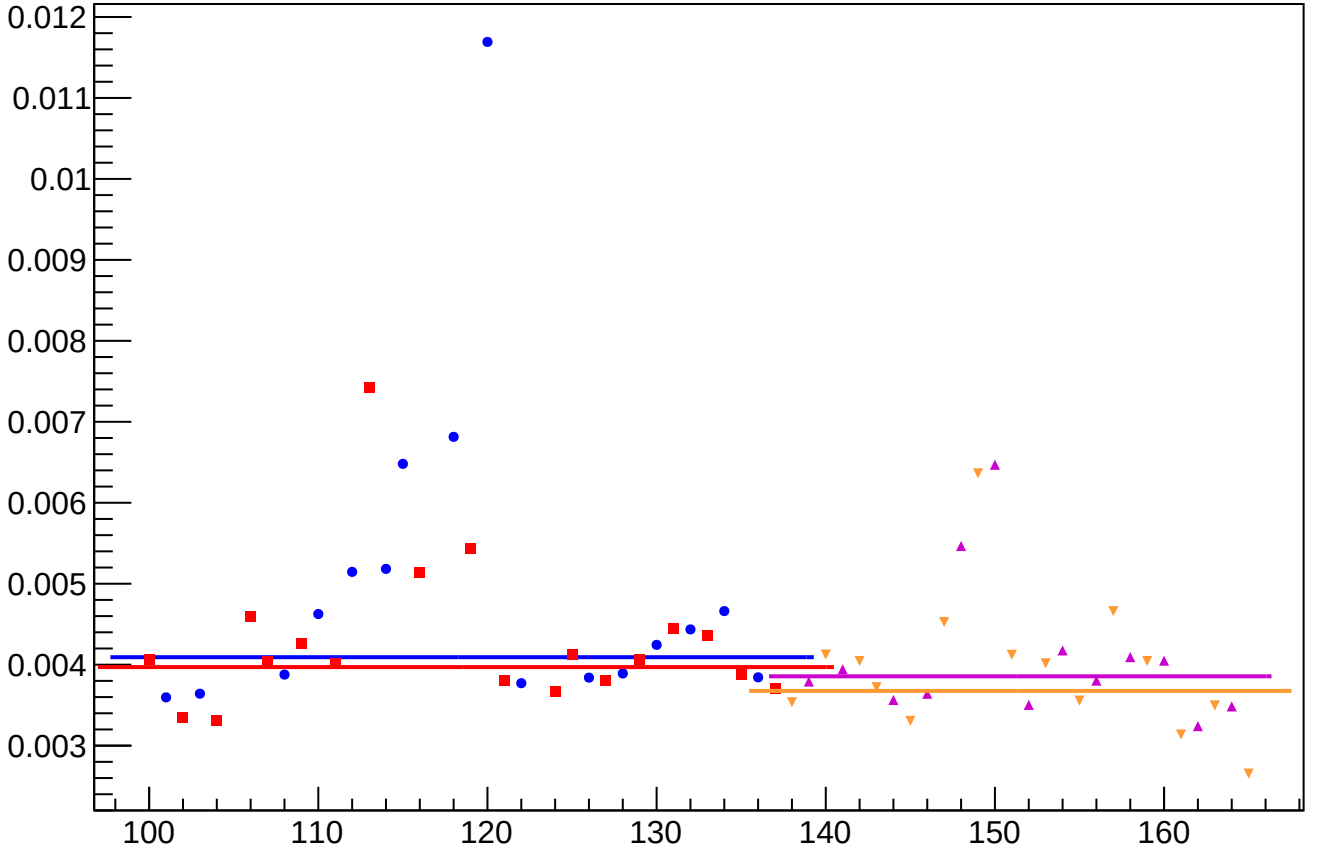
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.455+/-0.000 χ^2/NDF:41477187168.4/28

Out: 0.452+/-0.000 χ^2/NDF:53675890774.5/33

All: 0.453+/-0.000 χ^2/NDF: 95158365451.9/6

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:623697.9/14

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:447519.9/12

Left: 0.004+/-0.000 χ^2/NDF: 1091223.1/27

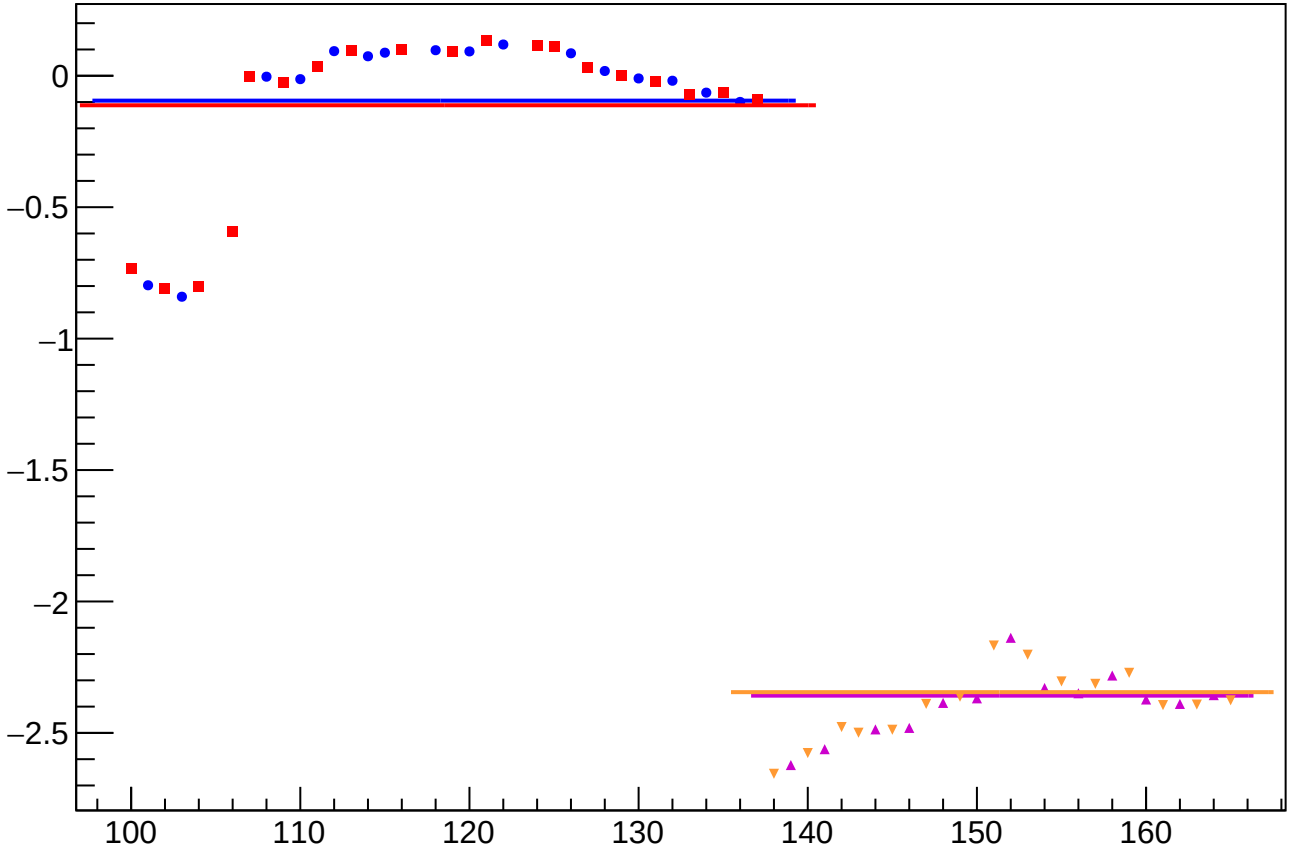
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:964092.2/28

Out: 0.004+/-0.000 χ^2/NDF:981237.2/33

All: 0.004+/-0.000 χ^2/NDF: 1971469.3/62

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.345+/-0.000 χ^2/NDF:1652204980.5/14

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.358+/-0.000 χ^2/NDF:1281876717.9/12

Left: -2.351+/-0.000 χ^2/NDF: 2943406455.1/27

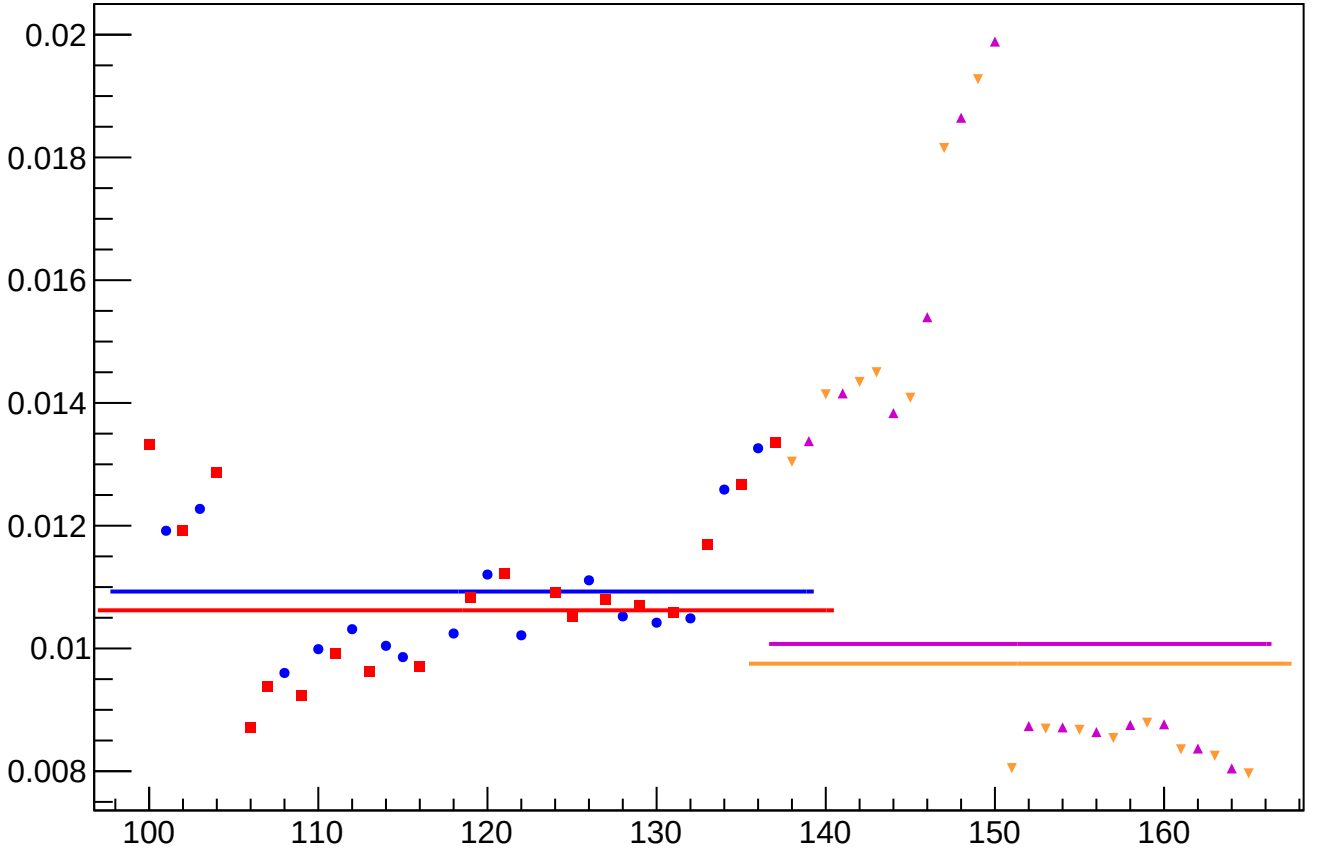
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.506+/-0.000 χ^2/NDF:197295356105.8/28

Out: -1.530+/-0.000 χ^2/NDF:214680554017.0/33

All: -1.519+/-0.000 χ^2/NDF: 412025479098.3

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:1769905.4/14

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1729458.3/12

Left: 0.010+/-0.000 χ^2/NDF: 3510283.7/27

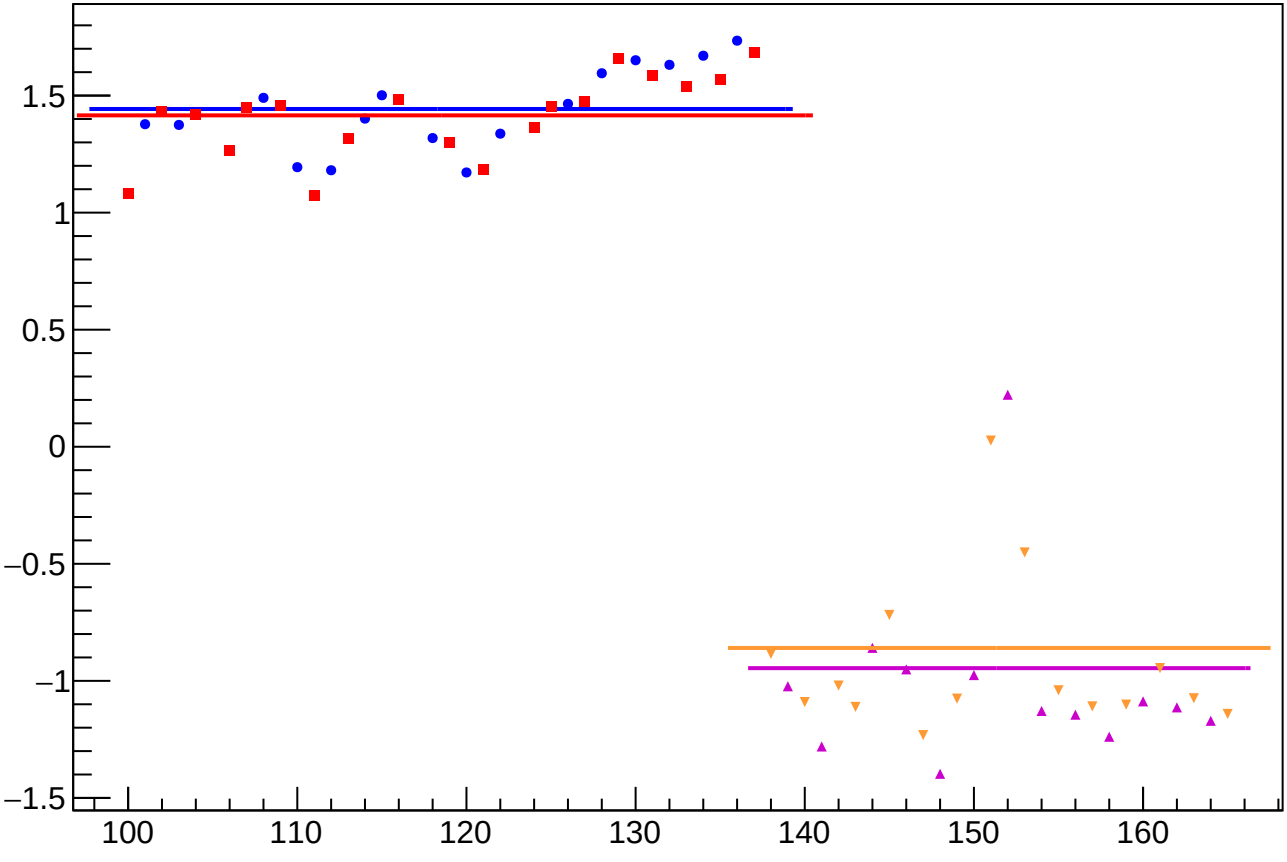
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:1920159.2/28

Out: 0.010+/-0.000 χ^2/NDF:2023132.8/33

All: 0.010+/-0.000 χ^2/NDF: 3961127.9/62

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.859+/-0.000 χ^2/NDF:29072645115.5/14

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.946+/-0.000 χ^2/NDF:39437336831.6/12

Left: -0.901+/-0.000 χ^2/NDF: 69209850107.9/27

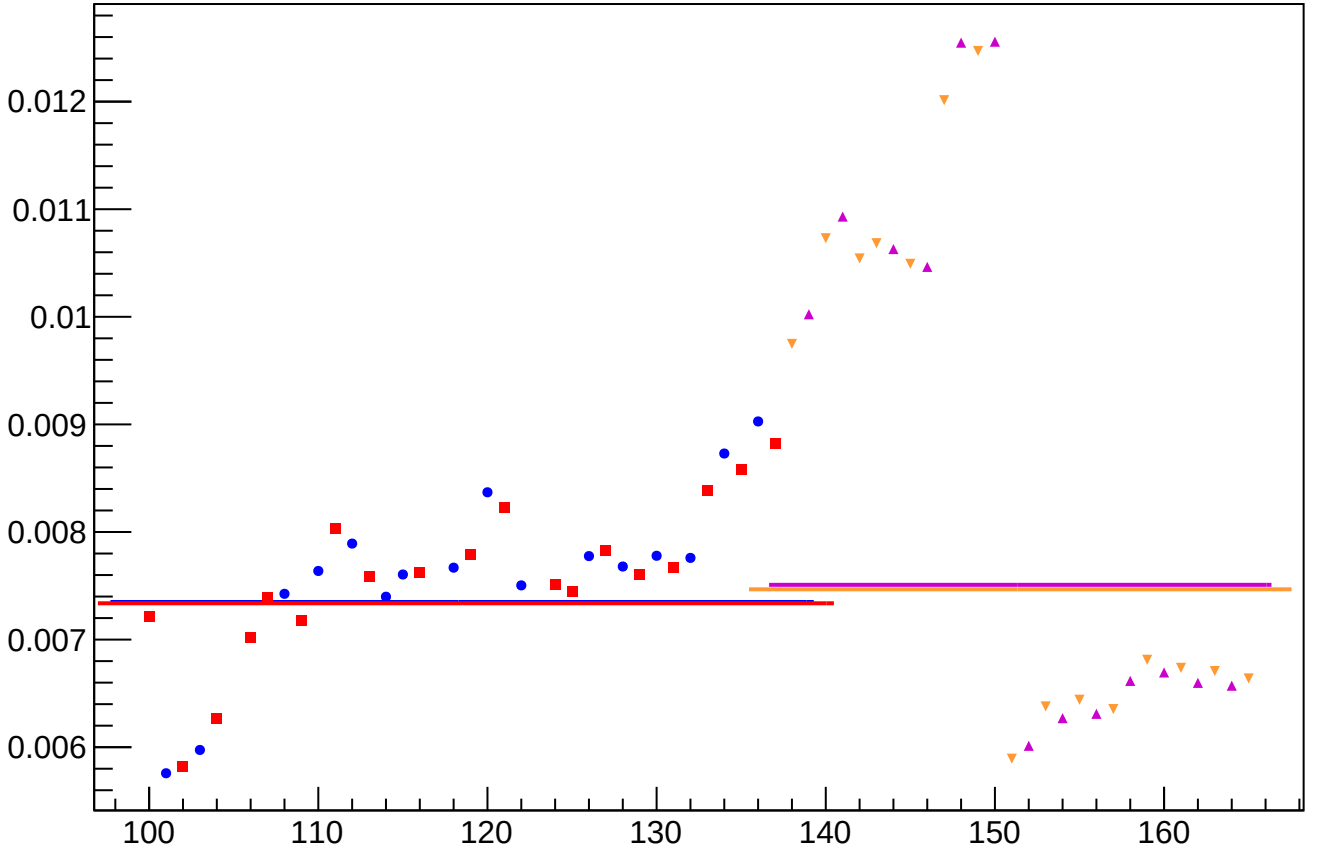
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.059+/-0.000 χ^2/NDF:475672051091.6/28

Out: 0.073+/-0.000 χ^2/NDF:450104359411.8/33

All: 0.066+/-0.000 χ^2/NDF: 925809148499.6

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:1433189.4/14

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1479554.4/12

Left: 0.007+/-0.000 χ^2/NDF: 2913072.6/27

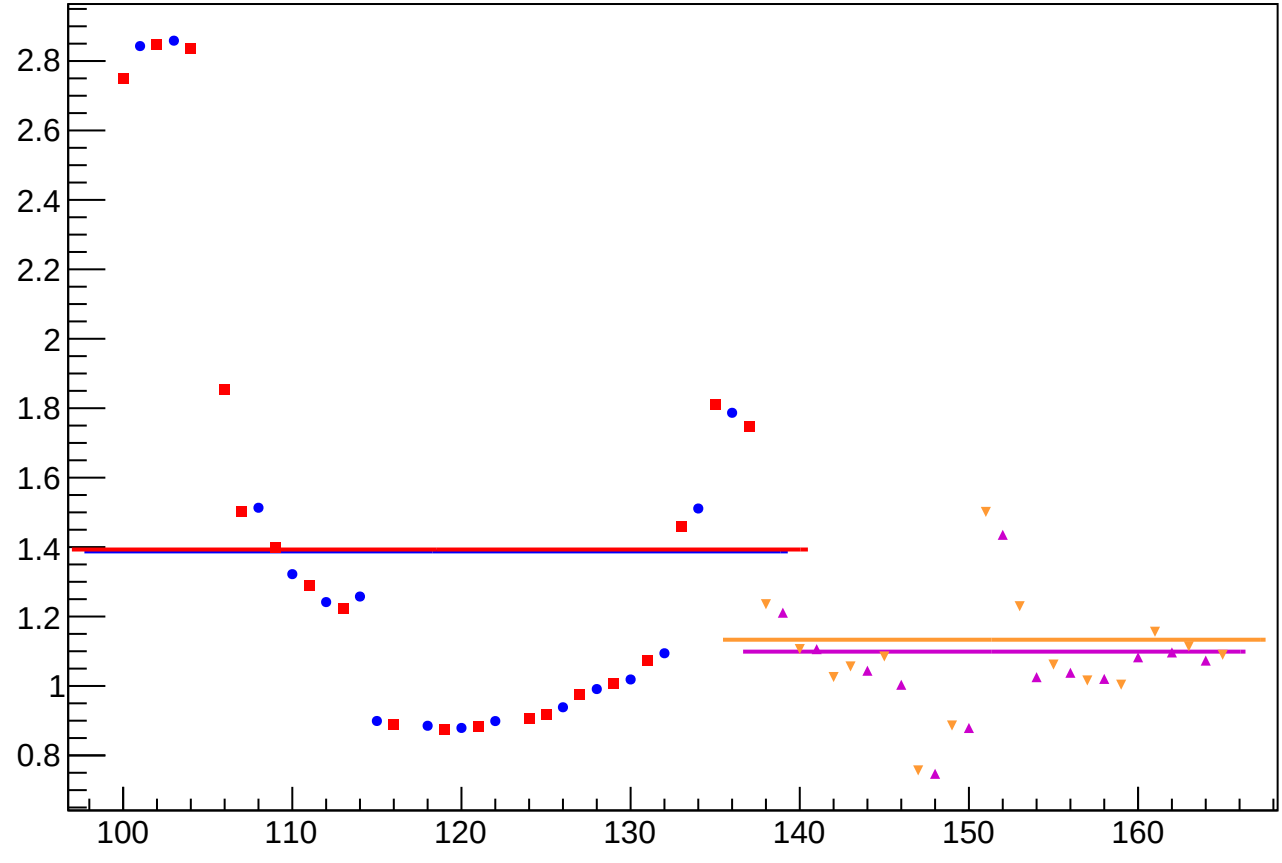
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1754286.0/28

Out: 0.007+/-0.000 χ^2/NDF:1631283.9/33

All: 0.007+/-0.000 χ^2/NDF: 3385819.1/62

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.133+/-0.000 χ^2/NDF:5346437017.4/14

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.099+/-0.000 χ^2/NDF:4154223198.6/12

Left: 1.117+/-0.000 χ^2/NDF: 9616552574.2/27

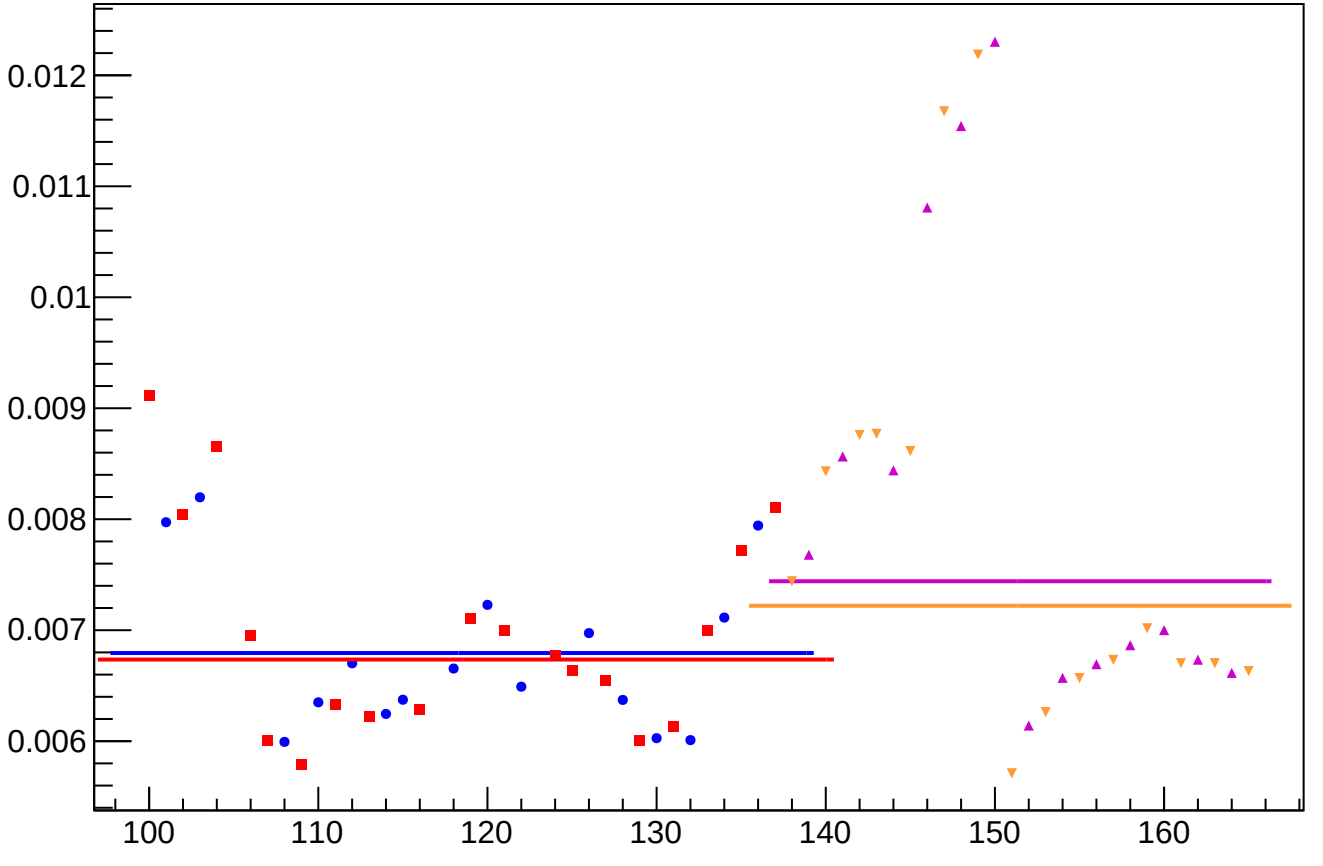
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.230+/-0.000 χ^2/NDF:69759572137.7/28

Out: 1.246+/-0.000 χ^2/NDF:66895883163.1/33

All: 1.239+/-0.000 χ^2/NDF: 136701311128.0

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:820782.3/14

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:850646.8/12

Left: 0.007+/-0.000 χ^2/NDF: 1681017.7/27

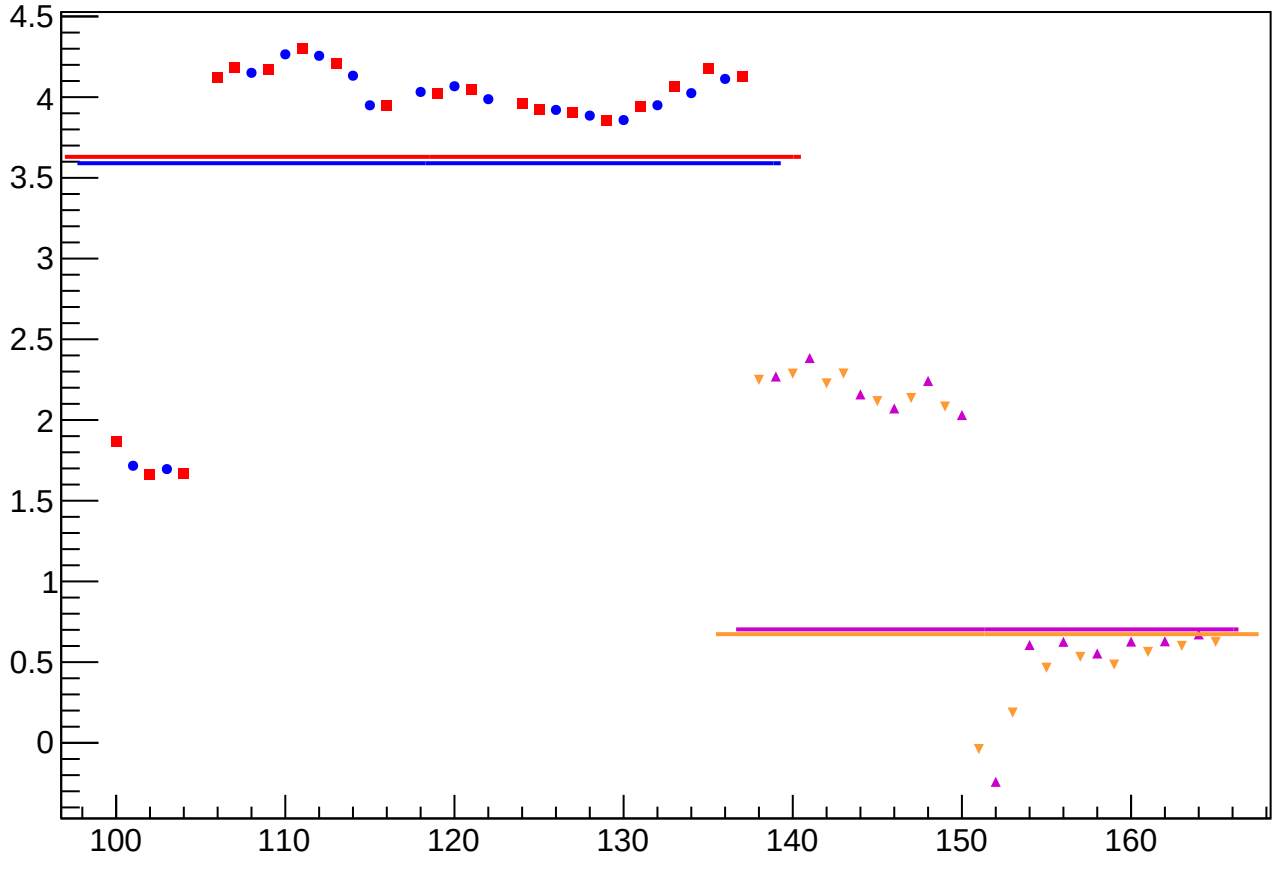
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1085291.9/28

Out: 0.007+/-0.000 χ^2/NDF:1062316.7/33

All: 0.007+/-0.000 χ^2/NDF: 2154321.0/62

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.673+/-0.000 χ^2/NDF:244052259408.7/14

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.703+/-0.000 χ^2/NDF:241830909833.7/12

Left: 0.687+/-0.000 χ^2/NDF: 486119679376.4/27

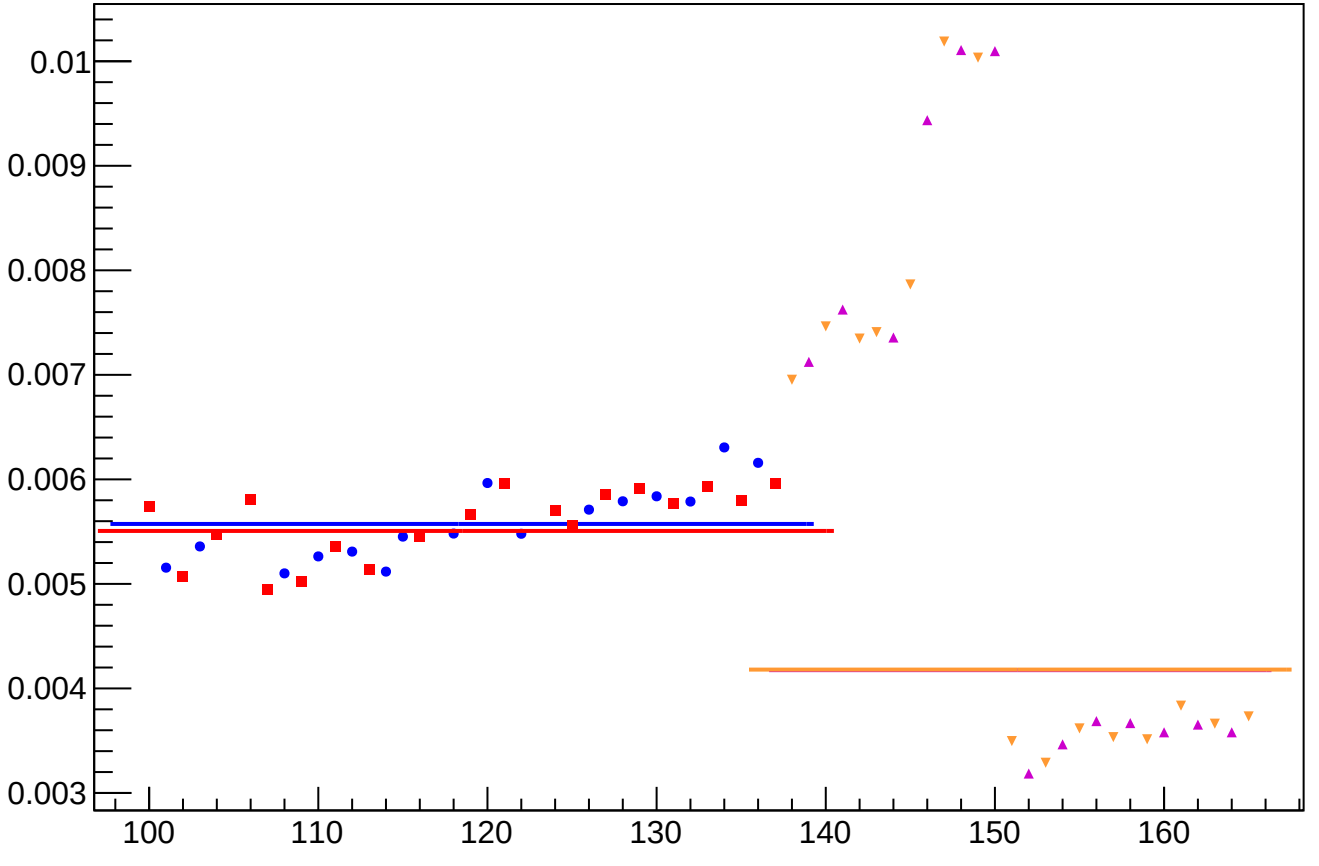
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.592+/-0.000 χ^2/NDF:1775714341047.7/28

Out: 1.560+/-0.000 χ^2/NDF:1930373722349.1/33

All: 1.576+/-0.000 χ^2/NDF: 3706475110442.

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:2761399.8/14

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2946113.7/12

Left: 0.004+/-0.000 χ^2/NDF: 5707528.4/27

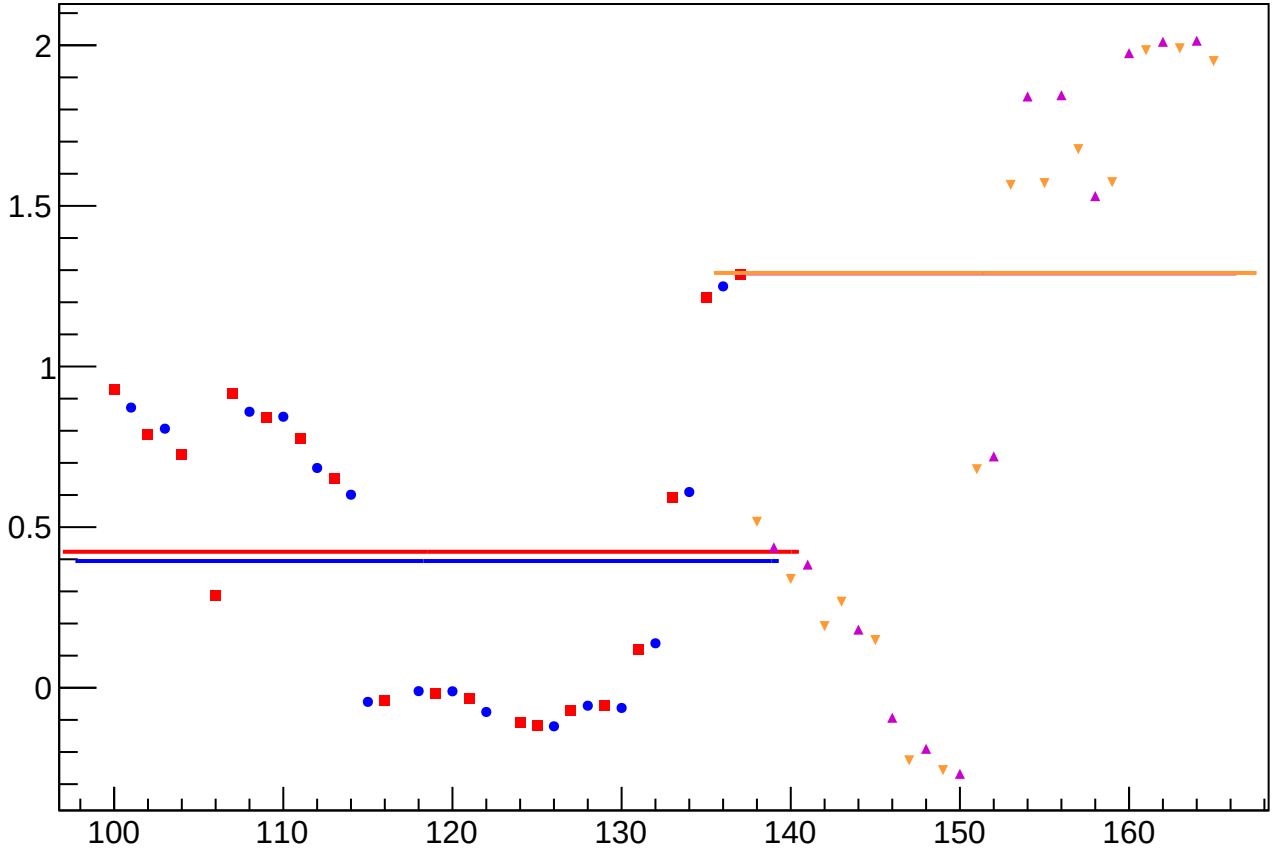
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3630019.9/28

Out: 0.005+/-0.000 χ^2/NDF:3412031.6/33

All: 0.005+/-0.000 χ^2/NDF: 7042632.5/62

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.291+/-0.000 χ^2/NDF:45311317642.0/14

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.290+/-0.000 χ^2/NDF:49972445397.2/12

Left: 1.291+/-0.000 χ^2/NDF: 95283850257.2/27

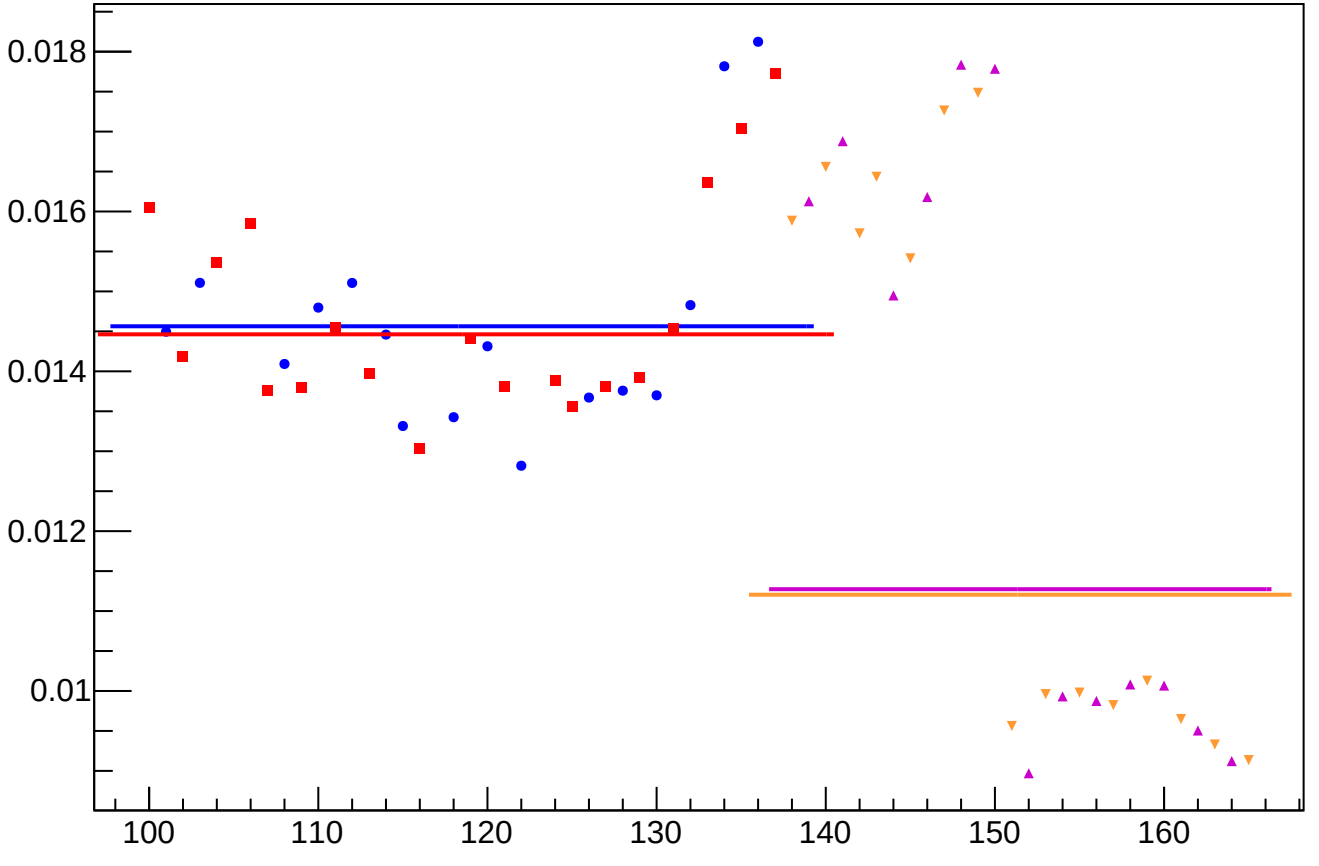
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.025+/-0.000 χ^2/NDF:76263034675.7/28

Out: 1.043+/-0.000 χ^2/NDF:70944431714.2/33

All: 1.034+/-0.000 χ^2/NDF: 147226699440.3

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:1392135.0/14

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1421072.6/12

Left: 0.011+/-0.000 χ^2/NDF: 2813604.8/27

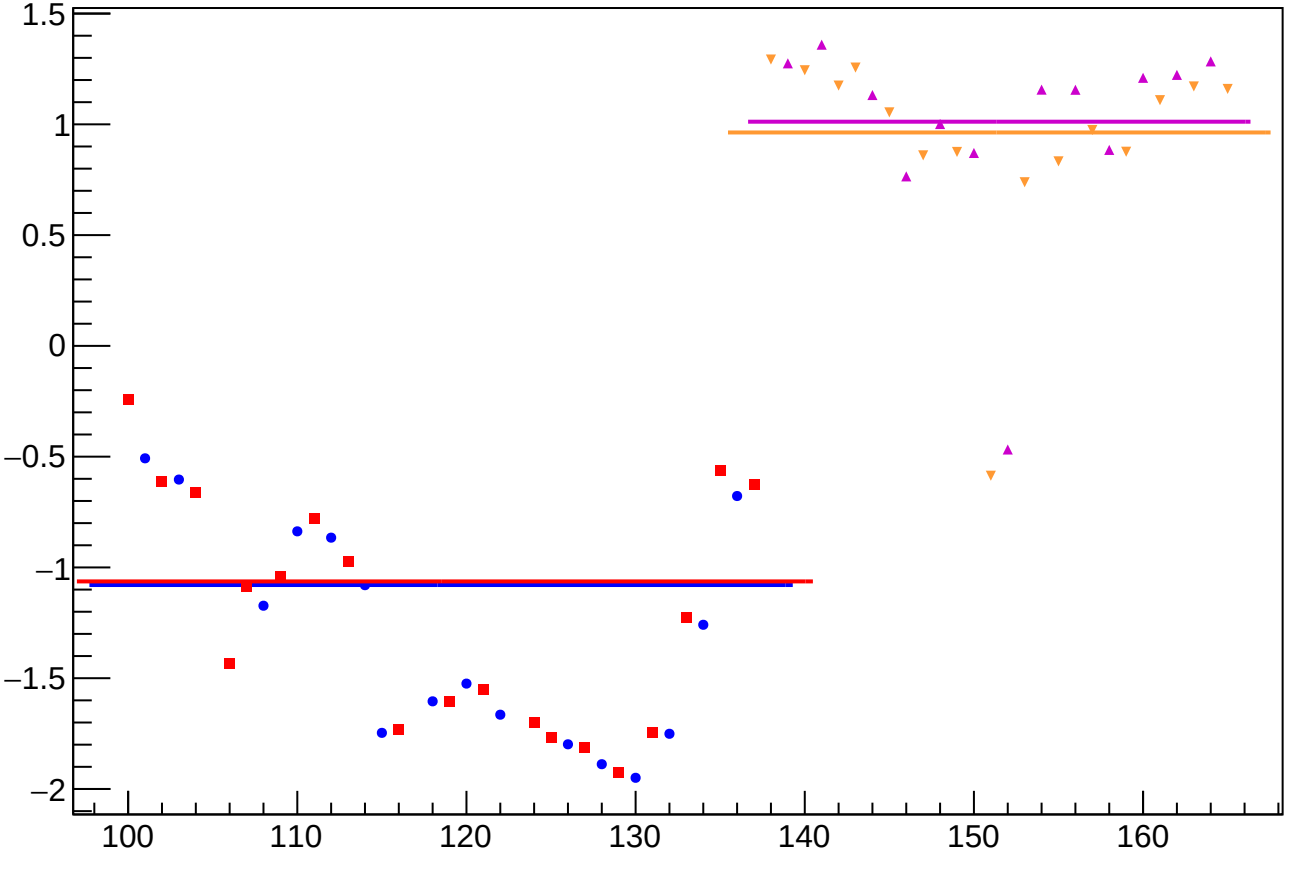
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2064064.2/28

Out: 0.012+/-0.000 χ^2/NDF:1997417.6/33

All: 0.012+/-0.000 χ^2/NDF: 4062918.3/62

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.963+/-0.000 χ^2/NDF:106239038076.2/14

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.012+/-0.000 χ^2/NDF:123553112555.8/12

Left: 0.987+/-0.000 χ^2/NDF: 230701746773.0/27

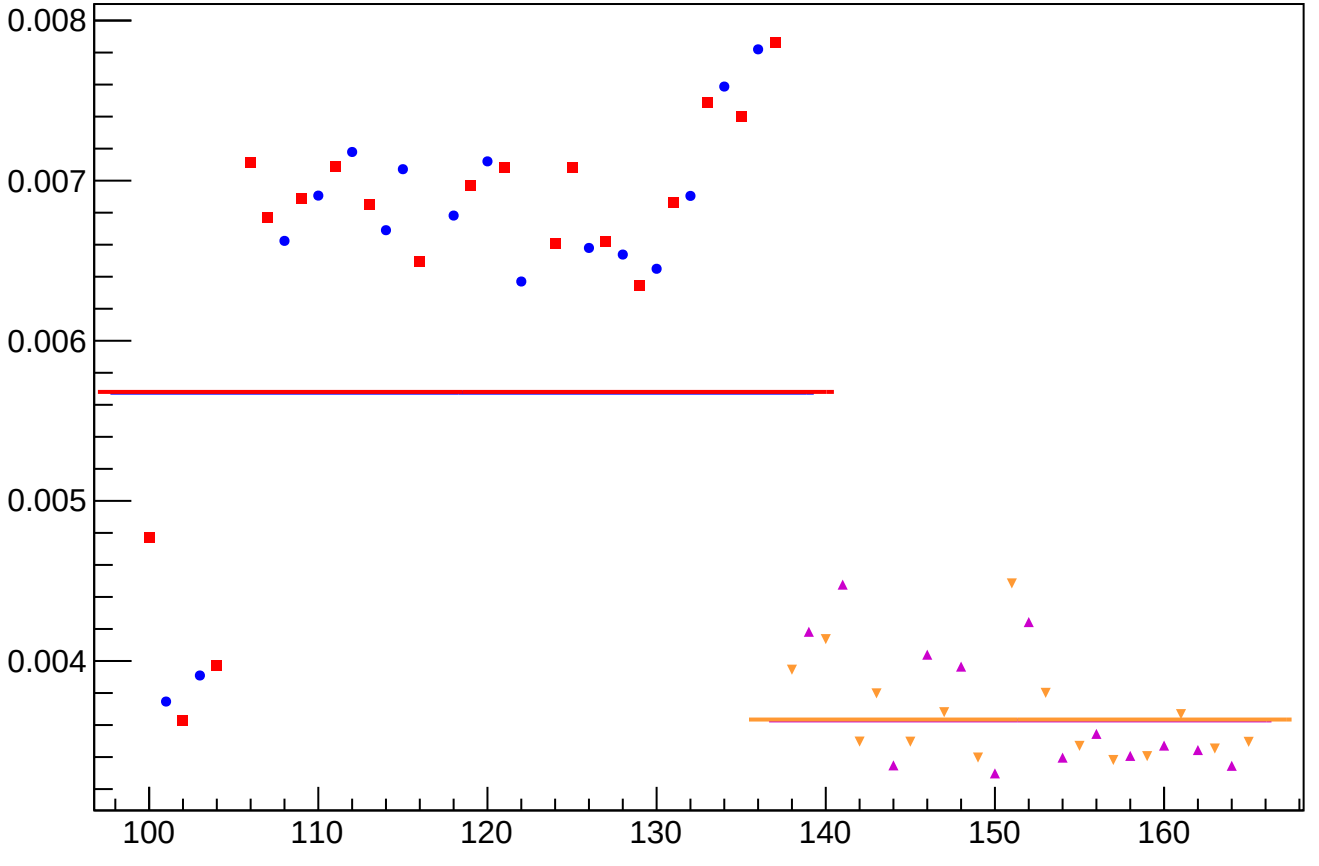
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.572+/-0.000 χ^2/NDF:865655407297.5/28

Out: 0.559+/-0.000 χ^2/NDF:812985062117.3/33

All: 0.565+/-0.000 χ^2/NDF: 1678716918121.

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:122640.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:202917.5/12

Left: 0.004+/-0.000 χ^2/NDF: 325580.7/27

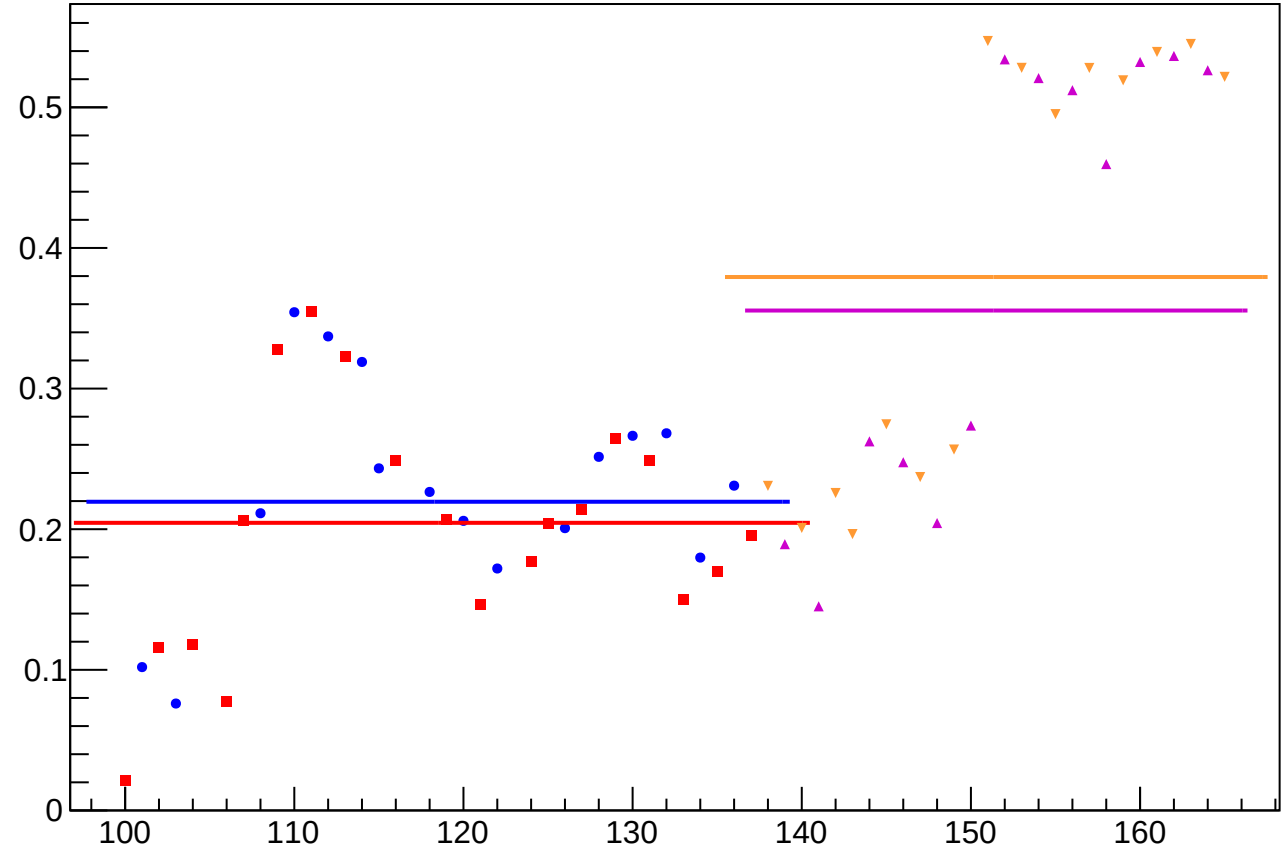
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2455438.3/28

Out: 0.004+/-0.000 χ^2/NDF:2442771.1/33

All: 0.004+/-0.000 χ^2/NDF: 4898499.8/62

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.379+/-0.000 χ^2/NDF:119774193095.7/14

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.356+/-0.000 χ^2/NDF:106531752058.8/12

Left: 0.368+/-0.000 χ^2/NDF: 227696825844.9/27

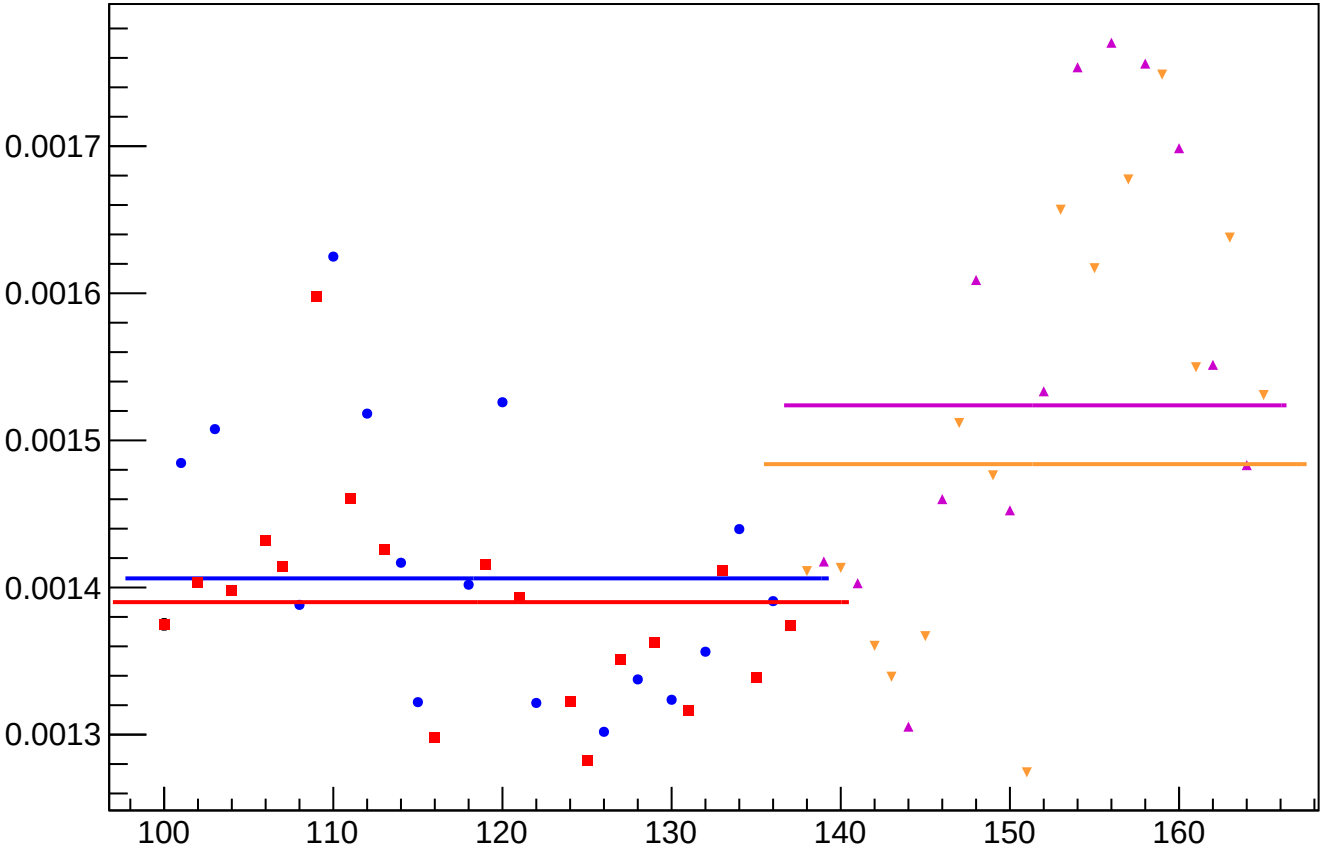
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.297+/-0.000 χ^2/NDF:160014270876.3/28

Out: 0.306+/-0.000 χ^2/NDF:209430894421.2/33

All: 0.302+/-0.000 χ^2/NDF: 369832998792.3

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:200611.5/14

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:194466.4/12

Left: 0.002+/-0.000 χ^2/NDF: 402903.0/27

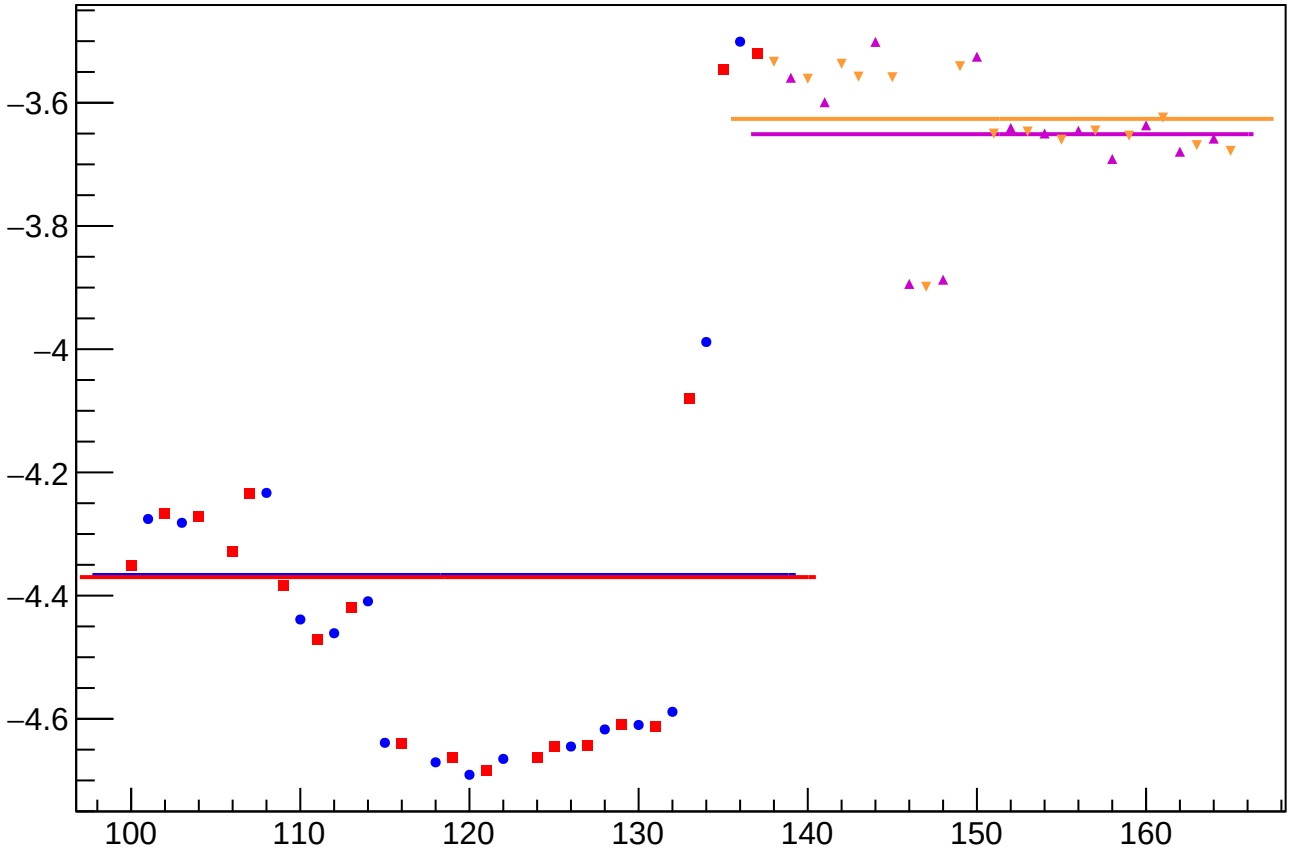
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:297664.5/28

Out: 0.001+/-0.000 χ^2/NDF:274184.6/33

All: 0.001+/-0.000 χ^2/NDF: 578686.6/62

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.626+/-0.000 χ^2/NDF:21429474193.9/14

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.651+/-0.000 χ^2/NDF:33183406372.4/12

Left: -3.638+/-0.000 χ^2/NDF: 55624753149.3/27

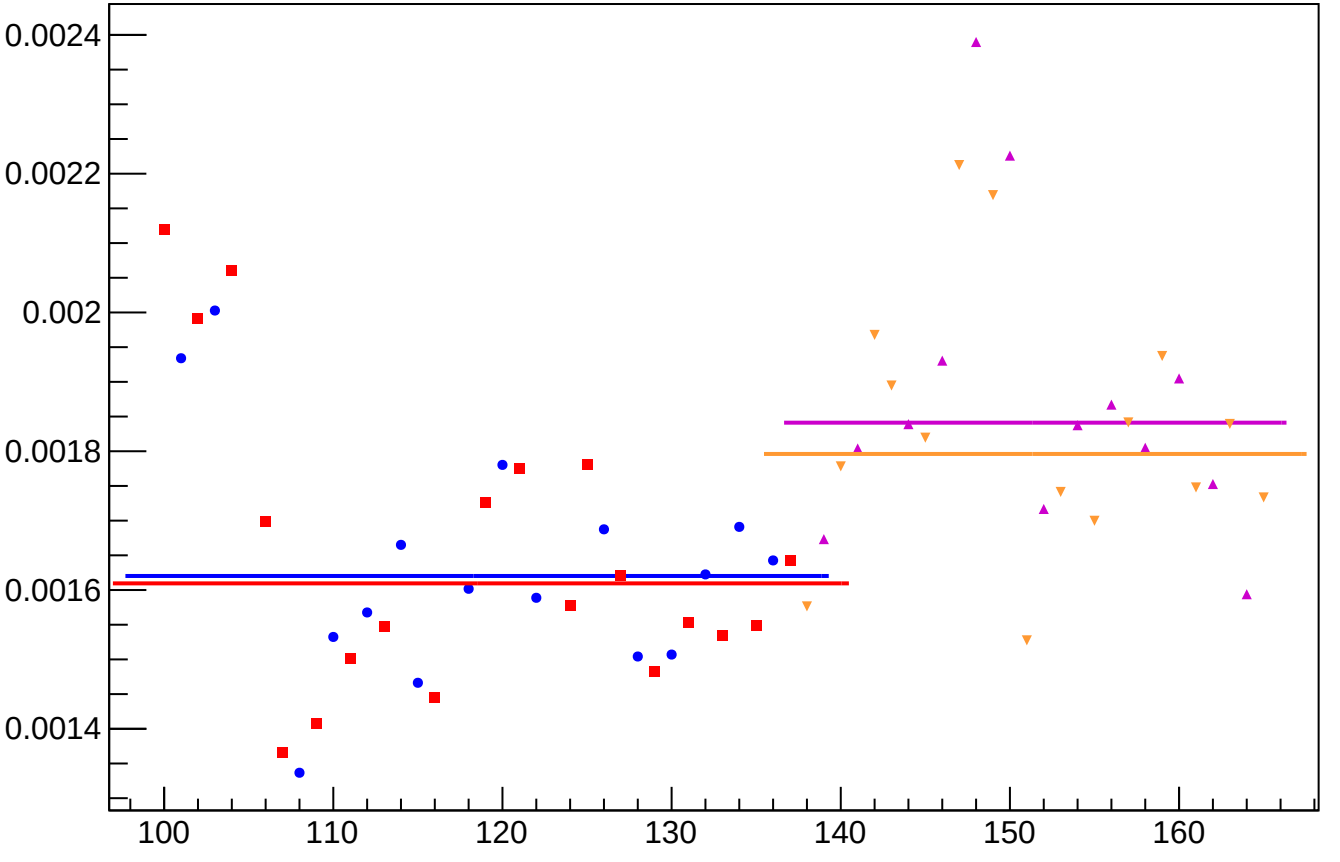
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.979+/-0.000 χ^2/NDF:1111413306714.4/28

Out: -3.954+/-0.000 χ^2/NDF:1167489765124.8/33

All: -3.966+/-0.000 χ^2/NDF: 2280817703420

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:213378.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:200840.7/12

Left: 0.002+/-0.000 χ^2/NDF: 420869.9/27

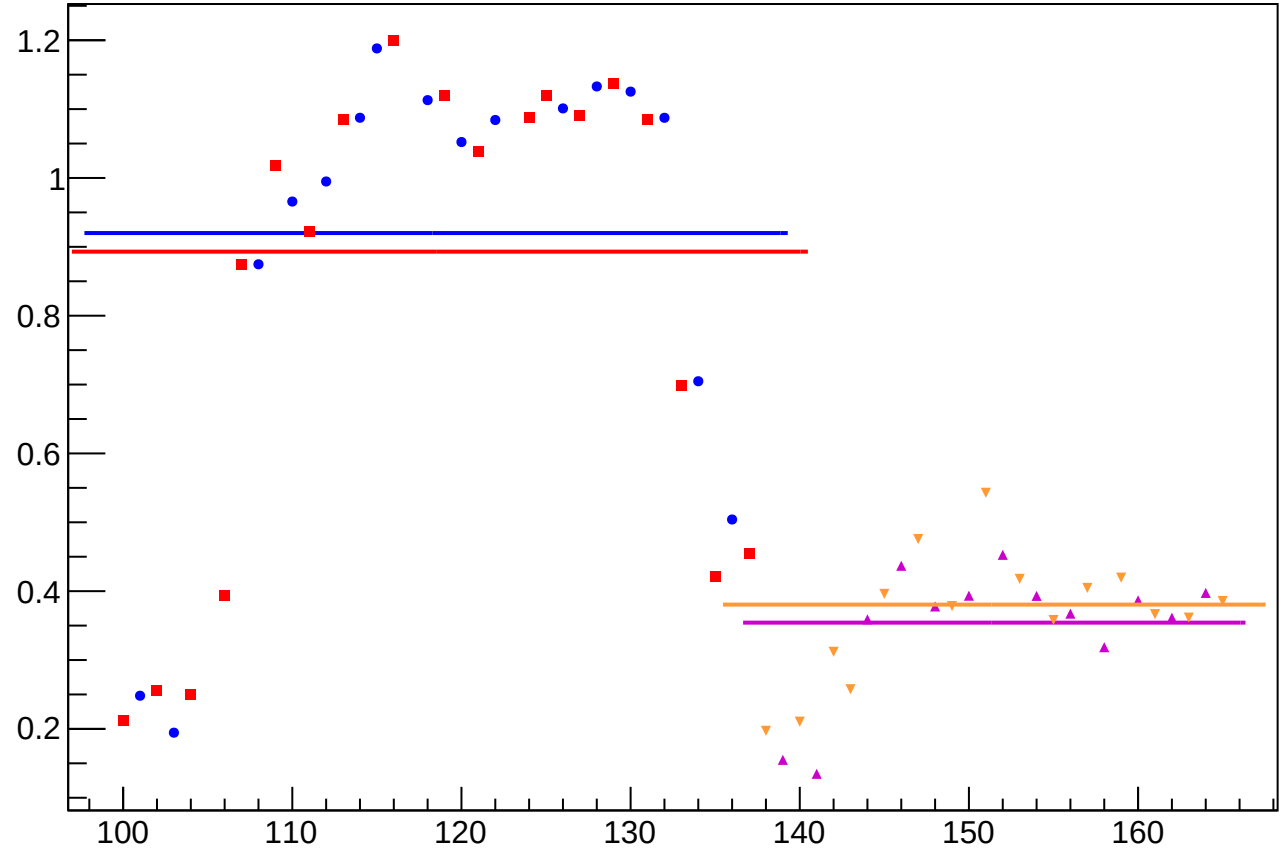
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:479336.6/28

Out: 0.002+/-0.000 χ^2/NDF:505228.9/33

All: 0.002+/-0.000 χ^2/NDF: 988561.6/62

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.380+/-0.000 χ^2/NDF:1676222429.2/14

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.354+/-0.000 χ^2/NDF:1417680459.3/12

Left: 0.368+/-0.000 χ^2/NDF: 3162650032.1/27

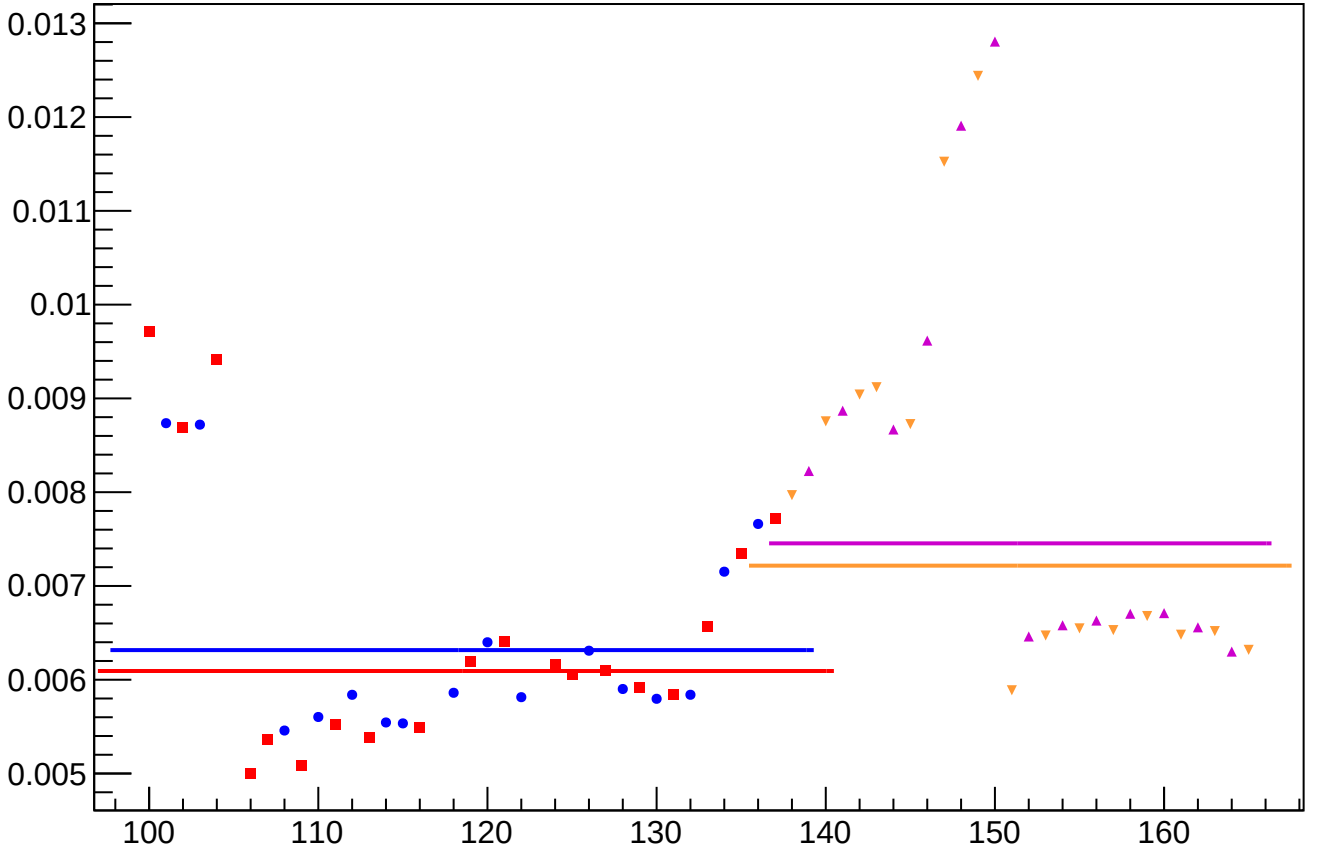
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.628+/-0.000 χ^2/NDF:45017342295.9/28

Out: 0.624+/-0.000 χ^2/NDF:46245752226.2/33

All: 0.626+/-0.000 χ^2/NDF: 91266045461.4/6

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:959856.6/14

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:937880.8/12

Left: 0.007+/-0.000 χ^2/NDF: 1909072.4/27

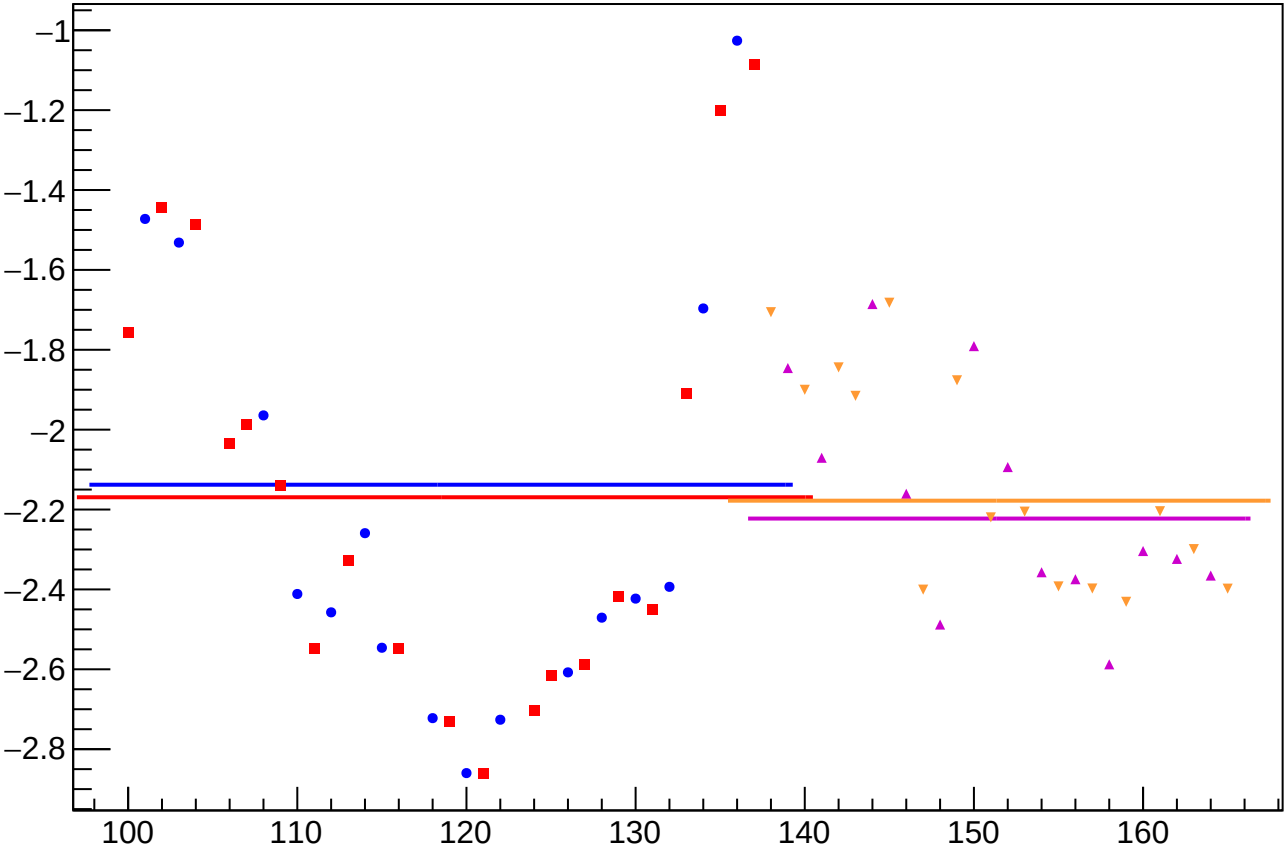
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1508654.8/28

Out: 0.007+/-0.000 χ^2/NDF:1654513.1/33

All: 0.007+/-0.000 χ^2/NDF: 3182001.4/62

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.178+/-0.000 χ^2/NDF:16060589883.7/14

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.223+/-0.000 χ^2/NDF:14673301282.9/12

Left: -2.199+/-0.000 χ^2/NDF: 30988424185.1/27

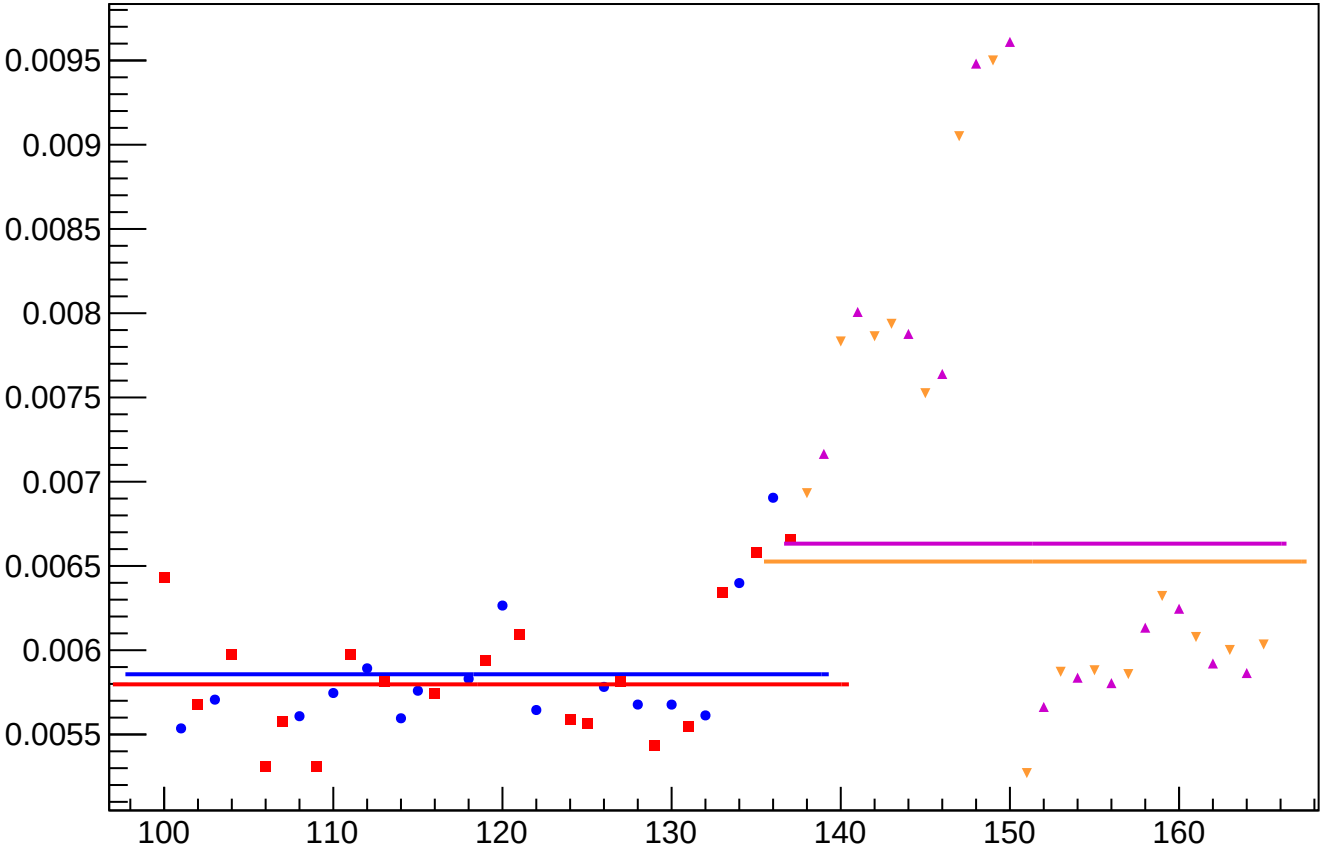
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.183+/-0.000 χ^2/NDF:81144854948.0/28

Out: -2.174+/-0.000 χ^2/NDF:73478716721.0/33

All: -2.178+/-0.000 χ^2/NDF: 154643648456.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:637061.0/14

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:637744.3/12

Left: 0.007+/-0.000 χ^2/NDF: 1277665.4/27

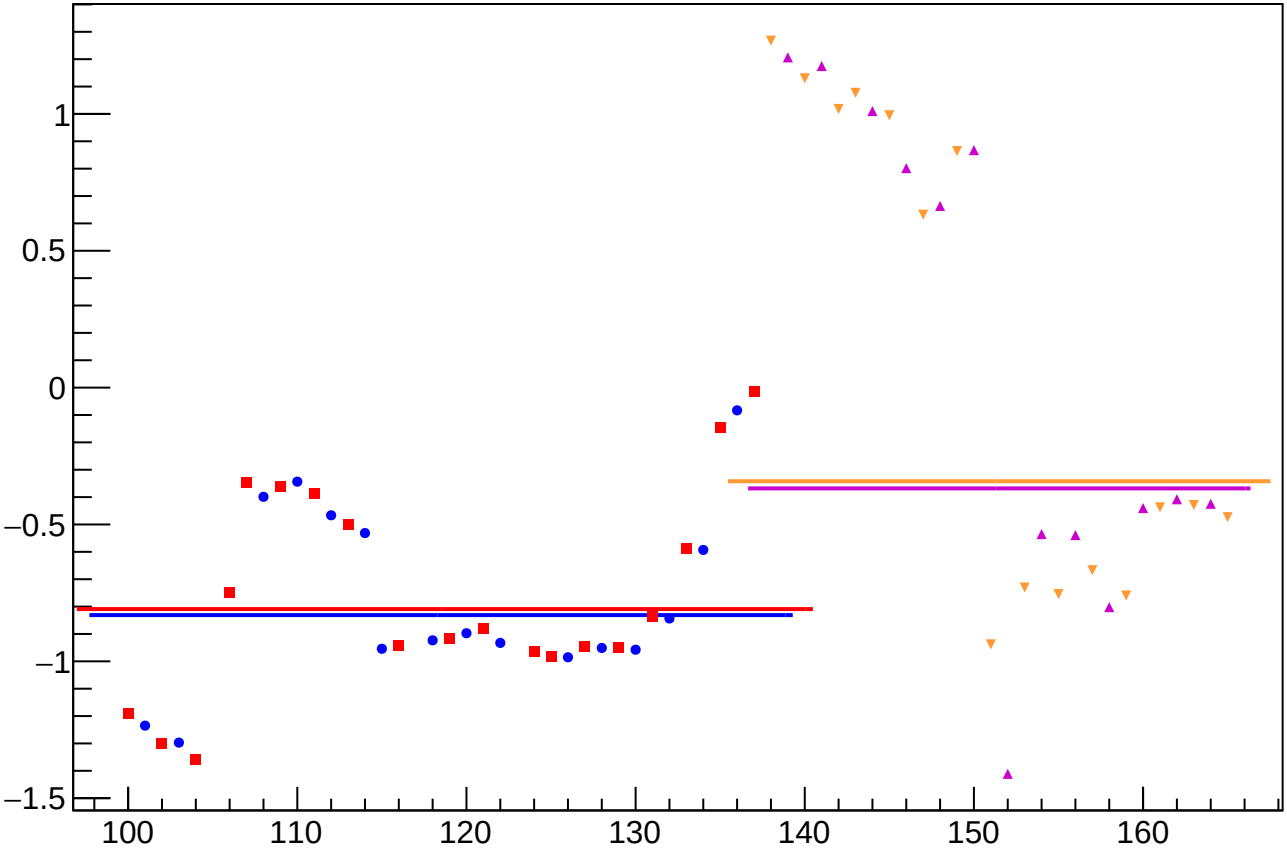
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:834432.6/28

Out: 0.006+/-0.000 χ^2/NDF:822478.8/33

All: 0.006+/-0.000 χ^2/NDF: 1659587.5/62

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.342+/-0.000 χ^2/NDF:77237412443.2/14

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.368+/-0.000 χ^2/NDF:87046037060.6/12

Left: -0.355+/-0.000 χ^2/NDF: 164340388285.1/27

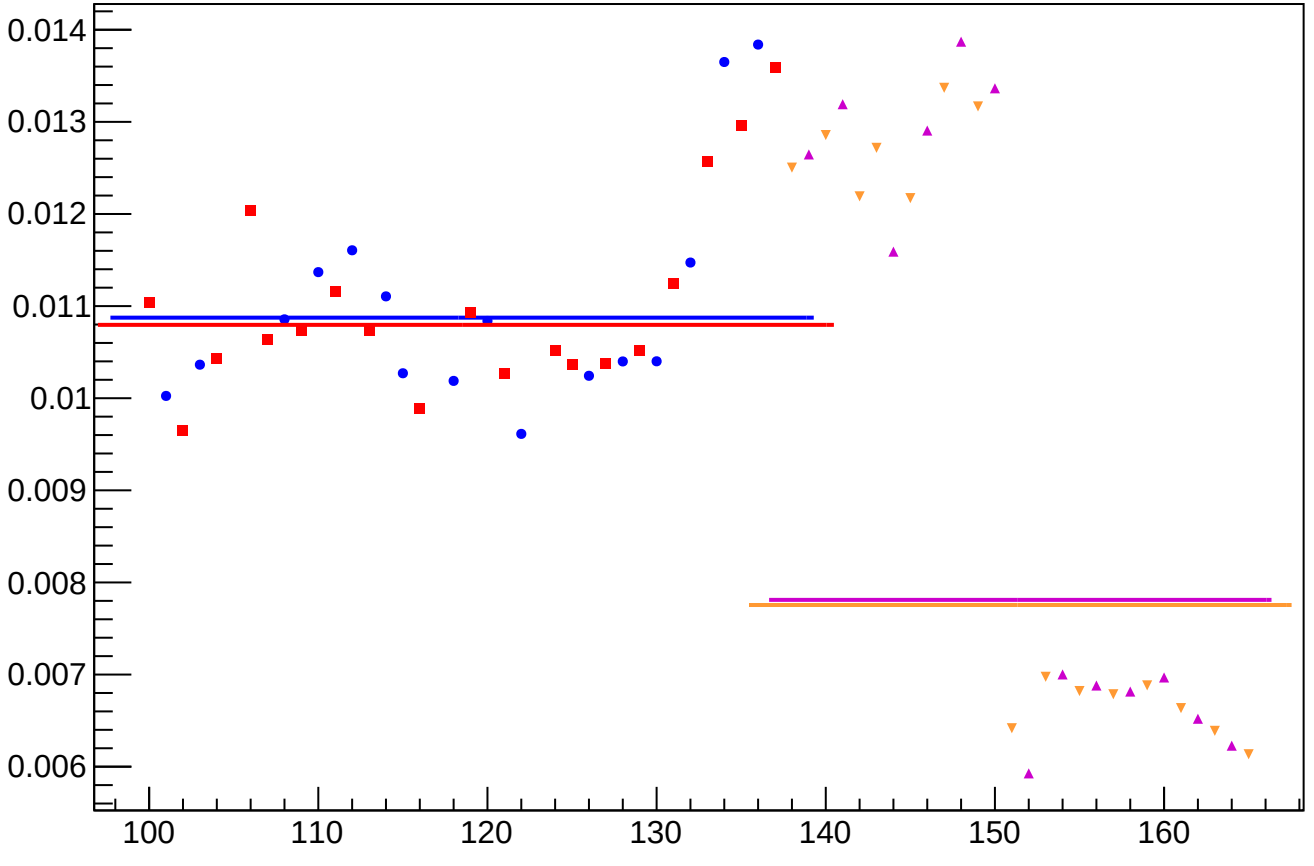
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.494+/-0.000 χ^2/NDF:103441468174.7/28

Out: -0.464+/-0.000 χ^2/NDF:95367811692.5/33

All: -0.479+/-0.000 χ^2/NDF: 198909590593.0

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:1989332.2/14

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2025717.0/12

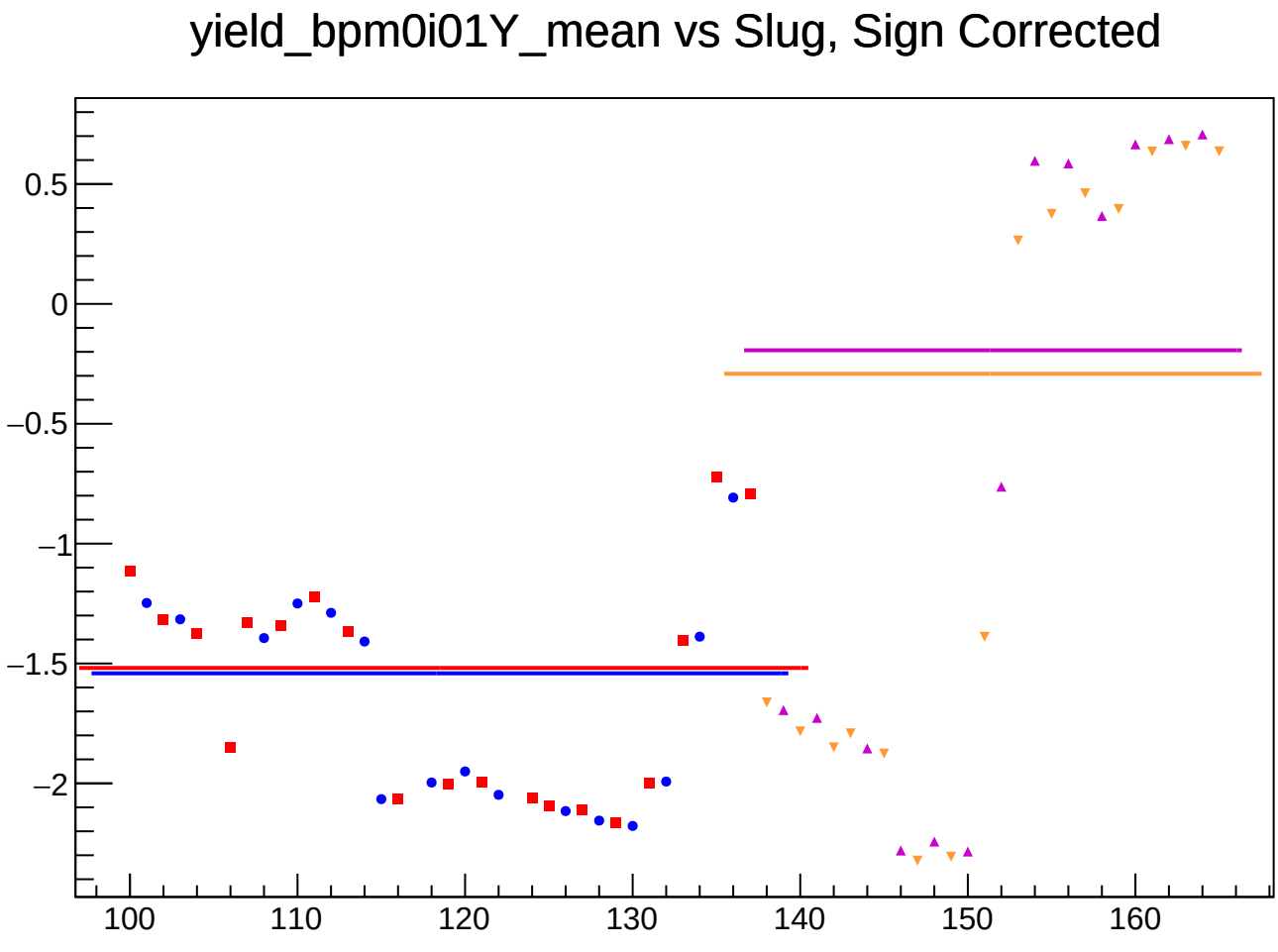
Left: 0.008+/-0.000 χ^2/NDF: 4015566.5/27

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

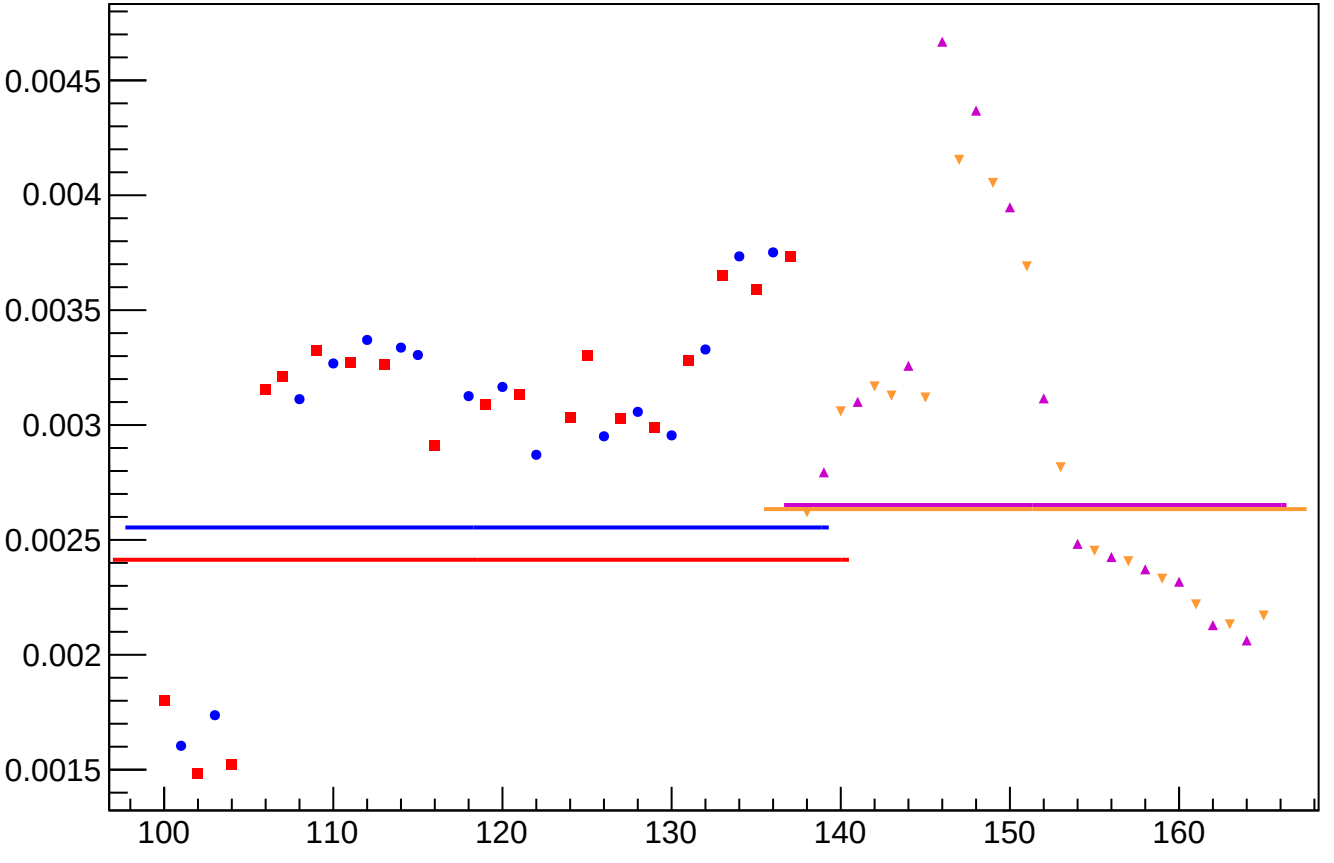
In: 0.009+/-0.000 χ^2/NDF:2996658.3/28

Out: 0.009+/-0.000 χ^2/NDF:2935153.2/33

All: 0.009+/-0.000 χ^2/NDF: 5933752.2/62


yield_bpm0i01Y_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.291+/-0.000 χ²/NDF:1824479515004.5/14
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.193+/-0.000 χ²/NDF:1693524340978.4/12
Left: -0.245+/-0.000 χ²/NDF: 3524641233769.0/27
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -0.751+/-0.000 χ²/NDF:2845062601681.6/28
Out: -0.796+/-0.000 χ²/NDF:2872032903603.3/33
All: -0.774+/-0.000 χ²/NDF: 5719466331926

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:804717.5/14

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:963823.9/12

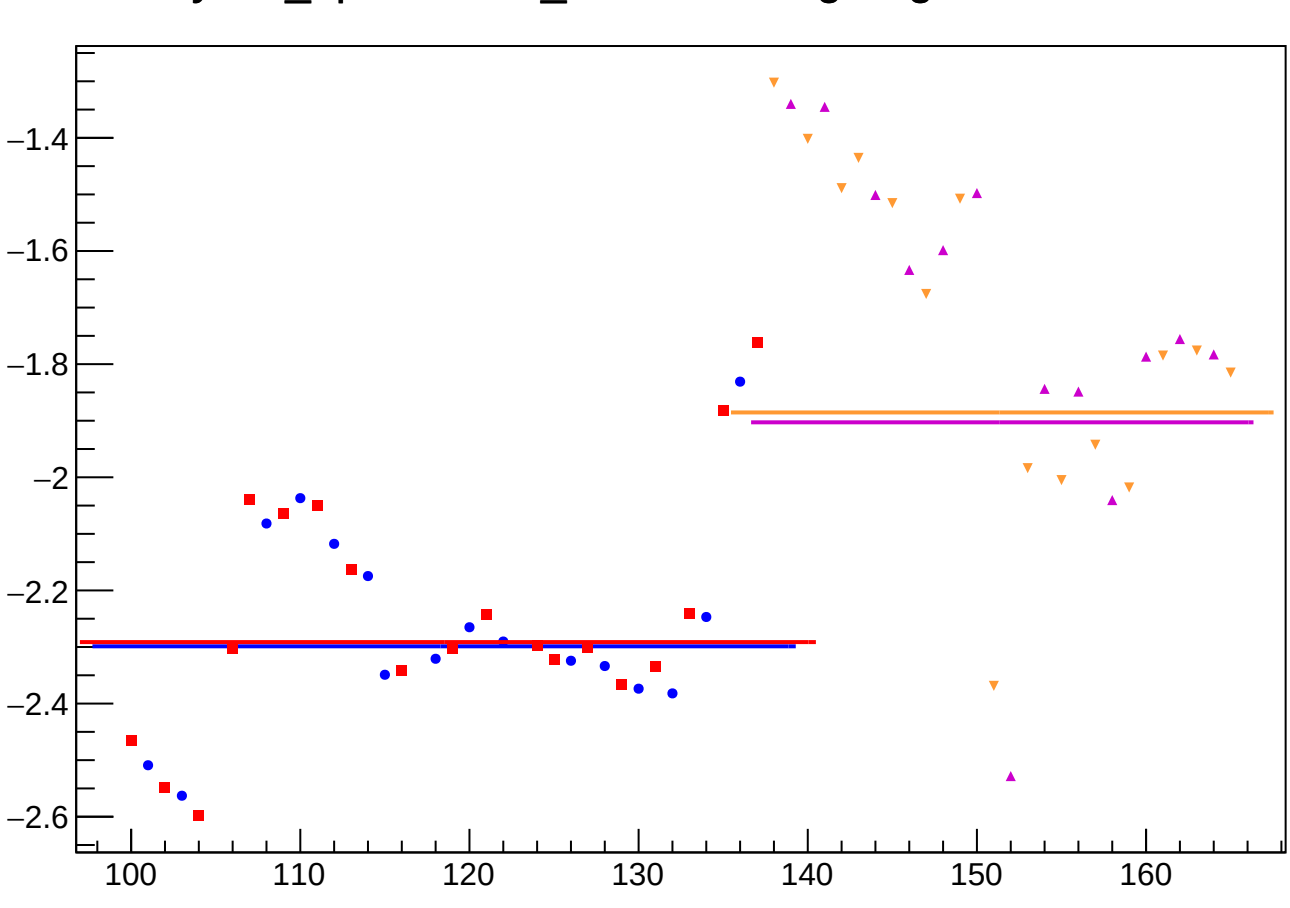
Left: 0.003+/-0.000 χ^2/NDF: 1768976.6/27

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

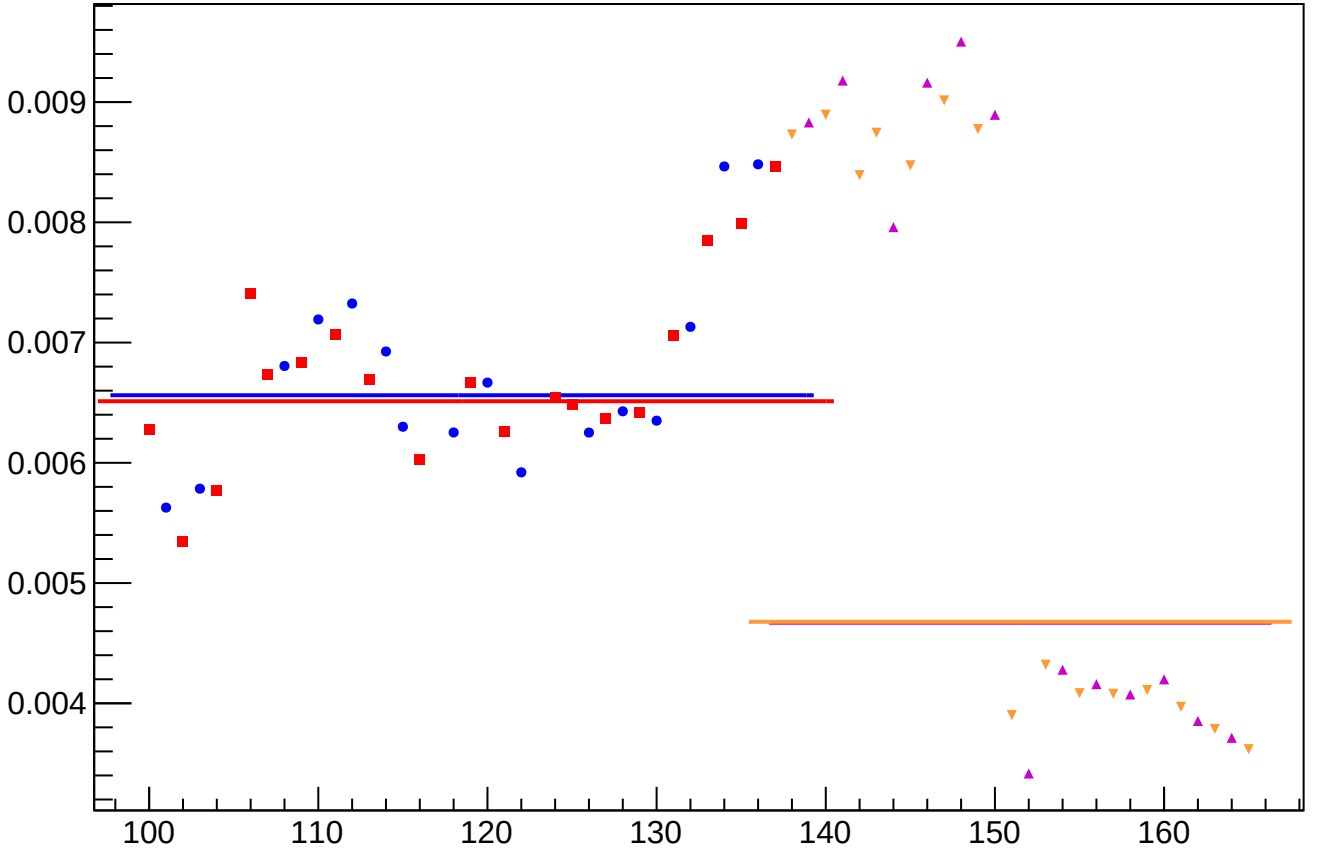
In: 0.003+/-0.000 χ^2/NDF:2146643.3/28

Out: 0.003+/-0.000 χ^2/NDF:2409755.4/33

All: 0.003+/-0.000 χ^2/NDF: 4567256.3/62


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
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.885+/-0.000 χ²/NDF:27008172868.7/14
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.903+/-0.000 χ²/NDF:43040246070.5/12
Left: -1.894+/-0.000 χ²/NDF: 70115368025.9/27
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.012+/-0.000 χ²/NDF:67408616626.0/28
Out: -1.994+/-0.000 χ²/NDF:54040246440.0/33
All: -2.003+/-0.000 χ²/NDF: 121547567781.5

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:2633236.8/14

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2728981.8/12

Left: 0.005+/-0.000 χ^2/NDF: 5362246.1/27

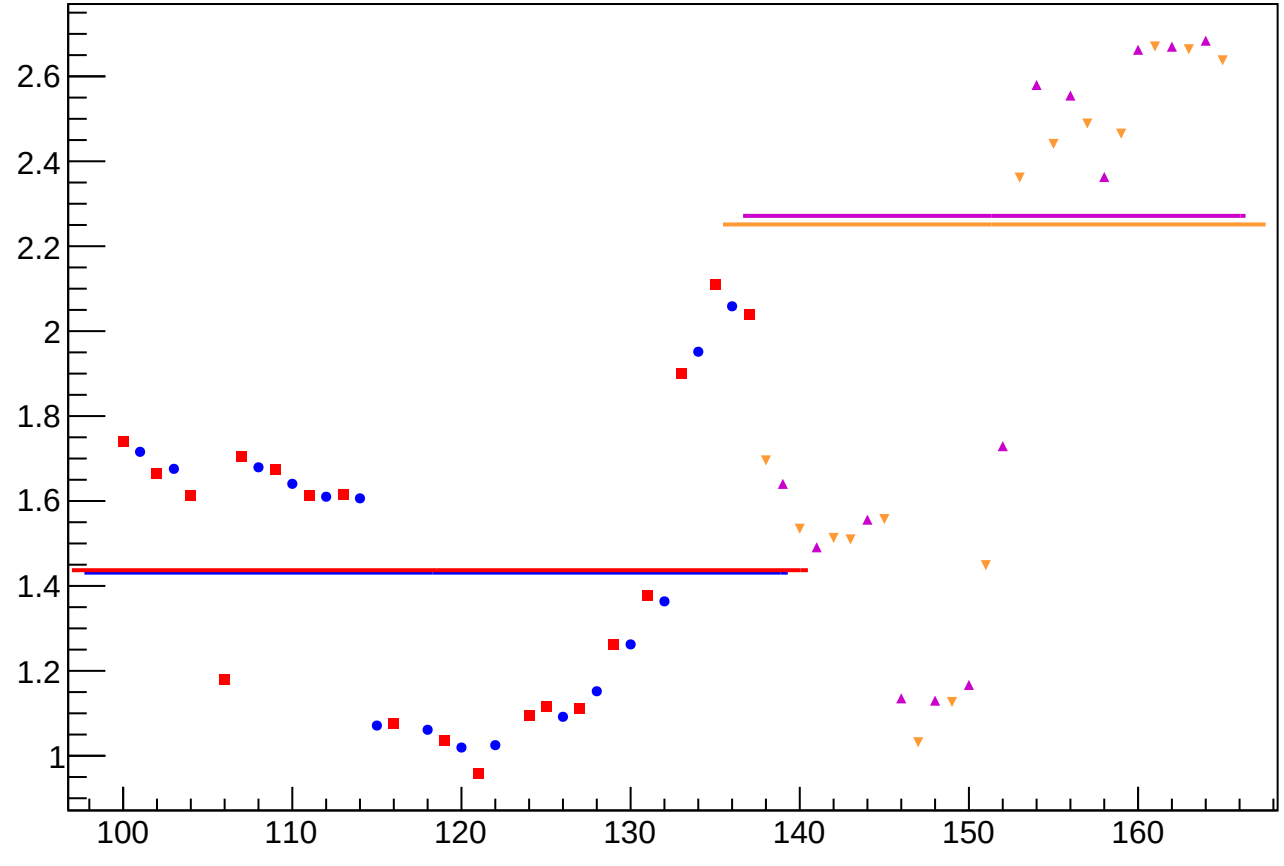
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3783611.2/28

Out: 0.005+/-0.000 χ^2/NDF:3642890.7/33

All: 0.005+/-0.000 χ^2/NDF: 7426830.0/62

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.251+/-0.000 χ^2/NDF:193264704598.9/14

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.271+/-0.000 χ^2/NDF:186220942286.5/12

Left: 2.261+/-0.000 χ^2/NDF: 379647385409.4/27

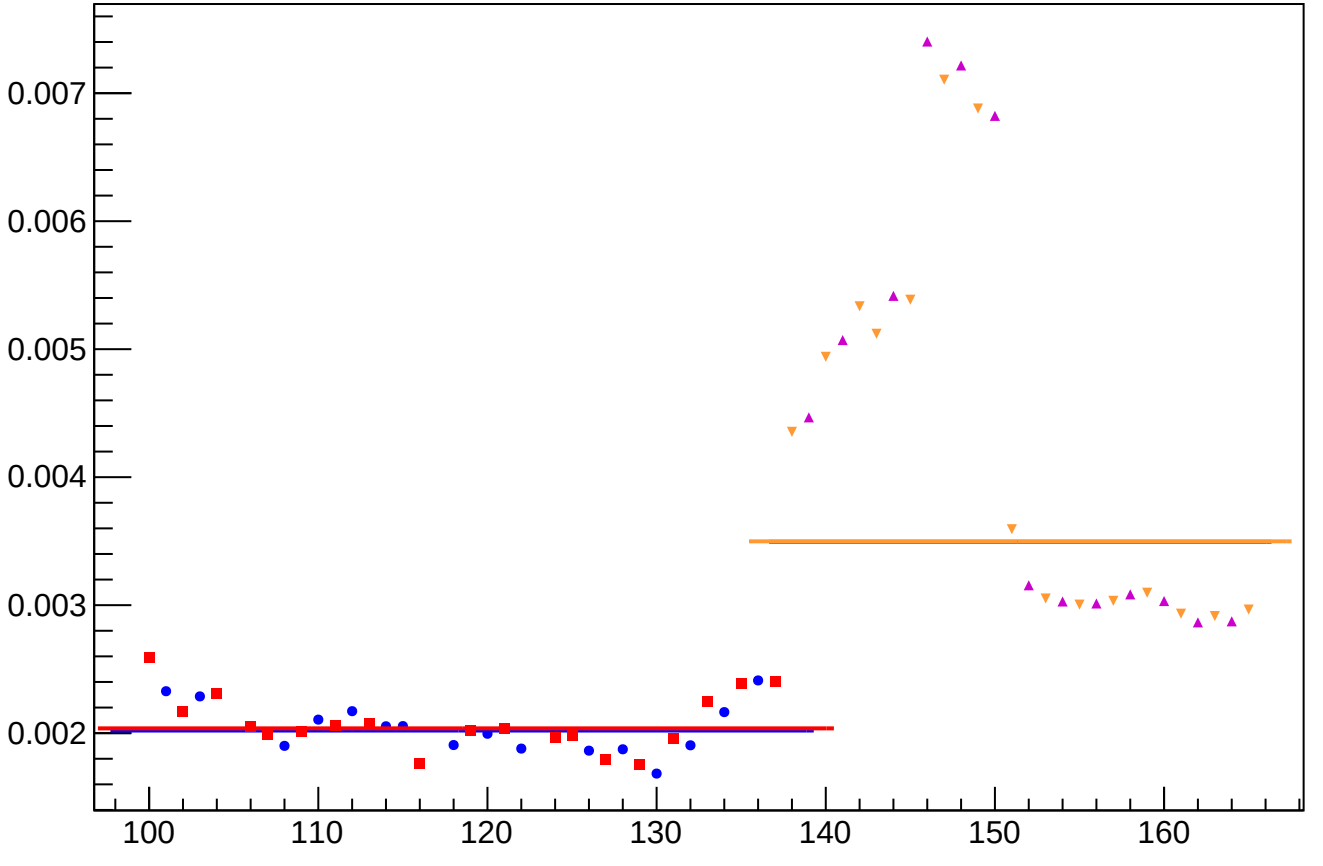
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.698+/-0.000 χ^2/NDF:739844356208.5/28

Out: 1.712+/-0.000 χ^2/NDF:740004374488.0/33

All: 1.705+/-0.000 χ^2/NDF: 1480066962747.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1594295.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1837492.5/12

Left: 0.003+/-0.000 χ^2/NDF: 3431799.2/27

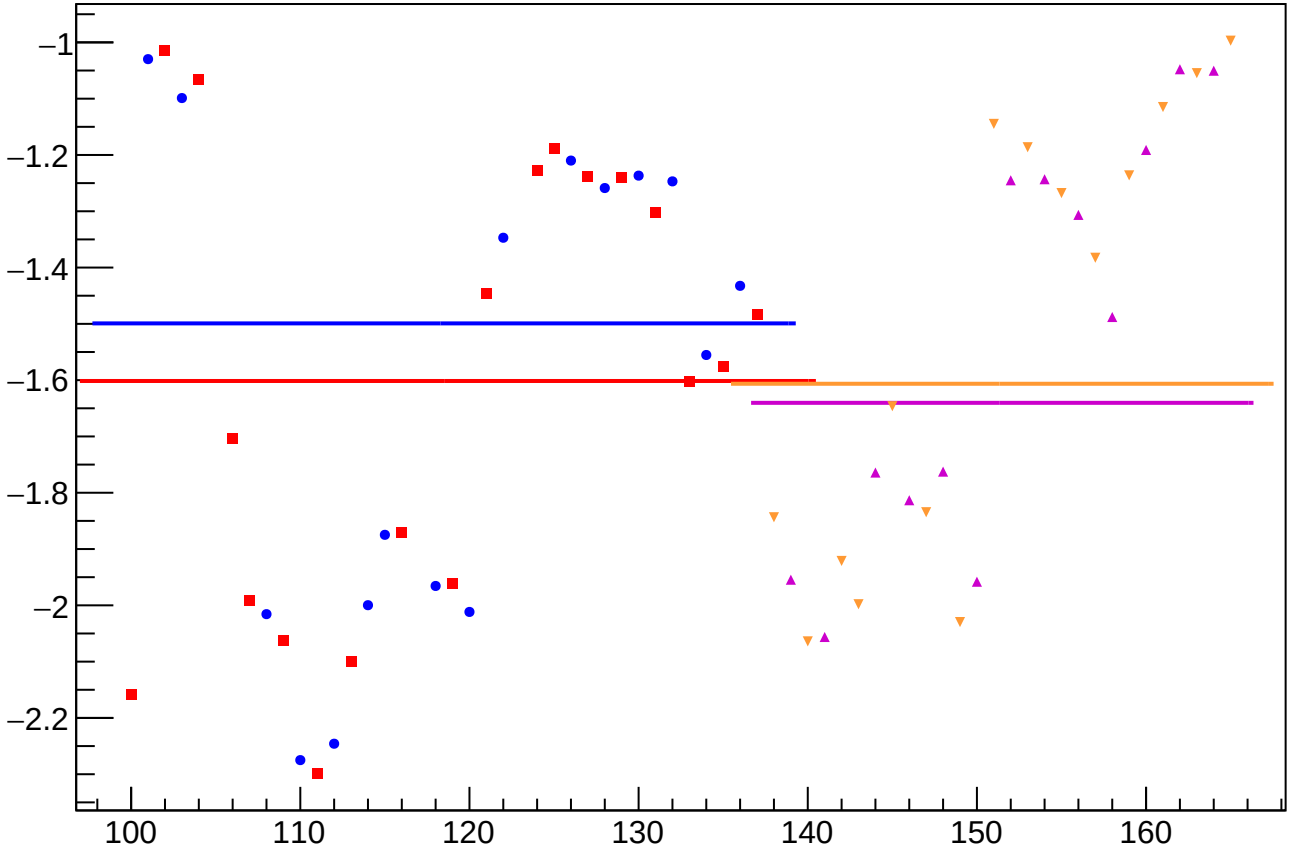
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:4236840.6/28

Out: 0.003+/-0.000 χ^2/NDF:4056884.7/33

All: 0.003+/-0.000 χ^2/NDF: 8297869.4/62

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.606+/-0.000 χ^2/NDF:36736067789.8/14

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.640+/-0.000 χ^2/NDF:25396676349.9/12

Left: -1.622+/-0.000 χ^2/NDF: 62264421534.6/27

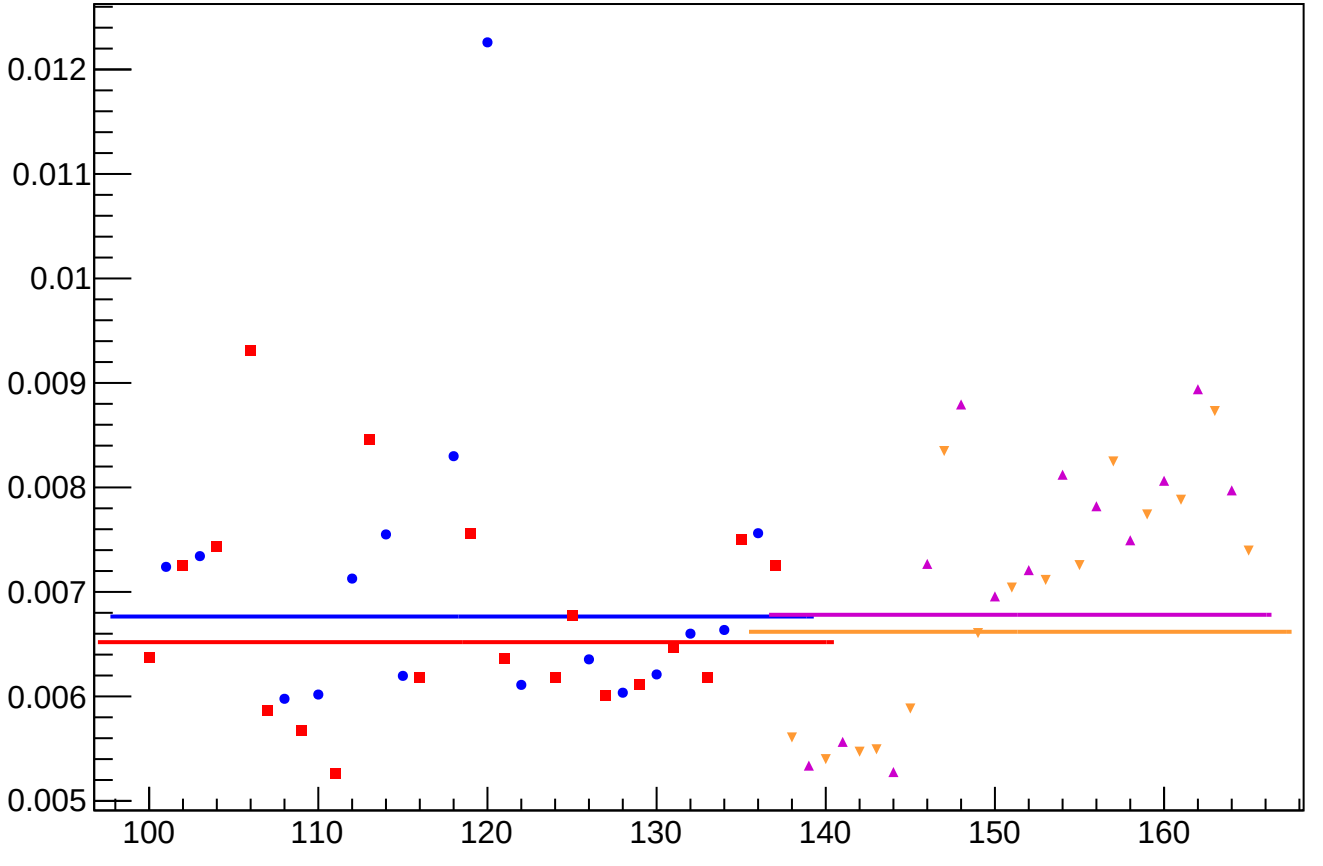
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.584+/-0.000 χ^2/NDF:50026953246.5/28

Out: -1.604+/-0.000 χ^2/NDF:65063372368.5/33

All: -1.595+/-0.000 χ^2/NDF: 115168960277.4

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:585628.4/14

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:673431.5/12

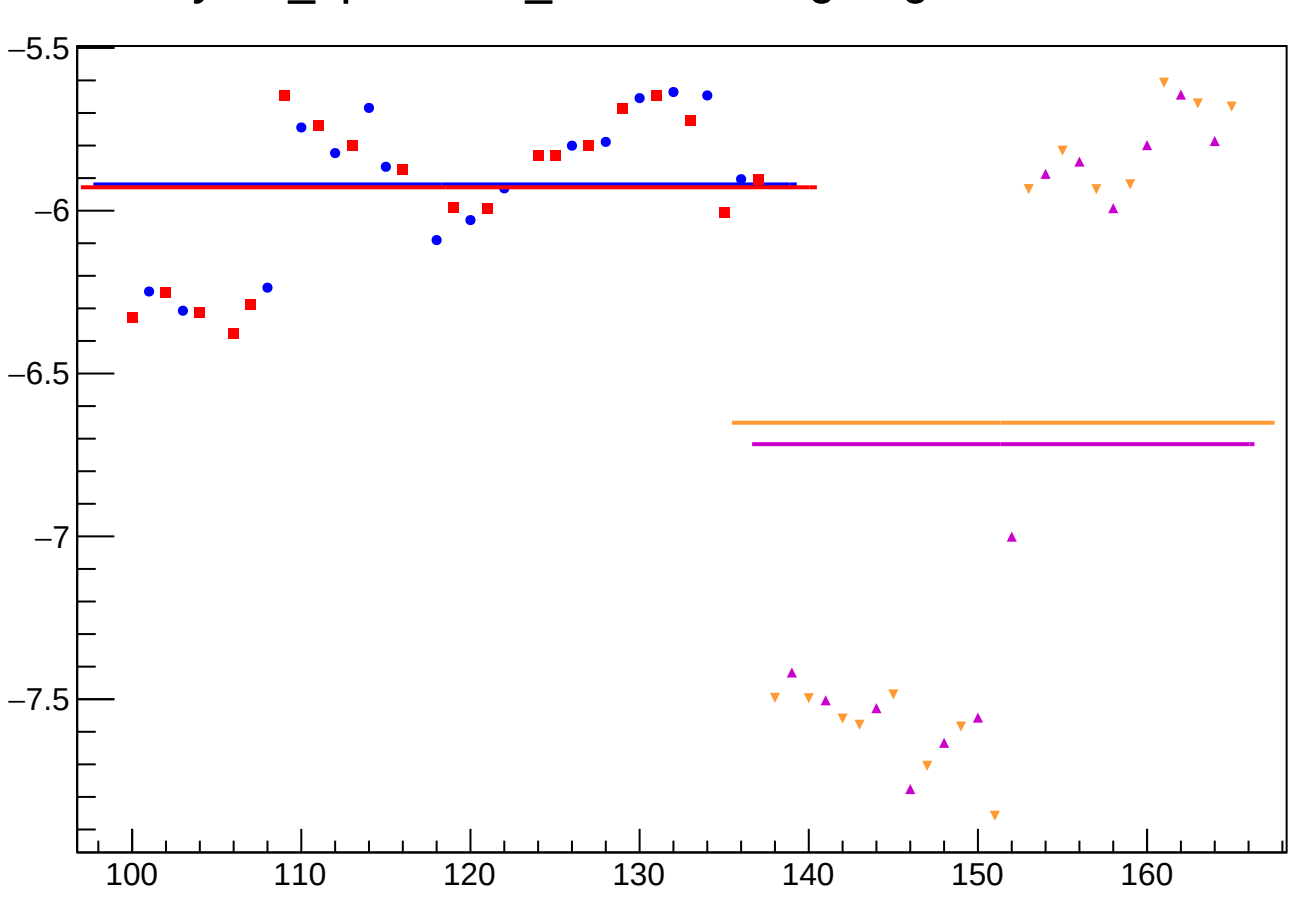
Left: 0.007+/-0.000 χ^2/NDF: 1265133.0/27

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:912044.9/28

Out: 0.007+/-0.000 χ^2/NDF:832983.3/33

All: 0.007+/-0.000 χ^2/NDF: 1759569.8/62



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.651+/-0.000 χ^2/NDF:86244505464.7/14

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.717+/-0.000 χ^2/NDF:61787825005.0/12

Left: -6.682+/-0.000 χ^2/NDF: 148239679192.3/27

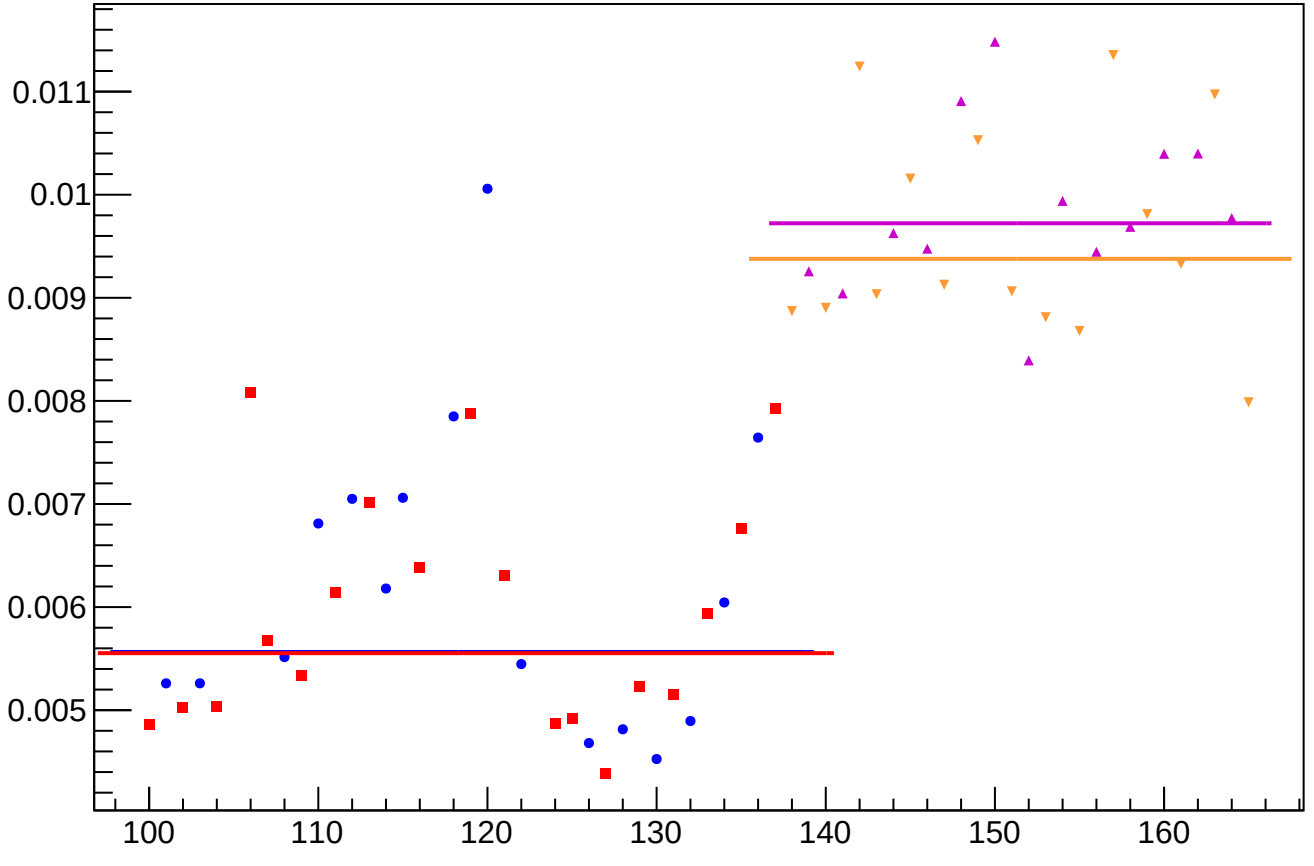
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.167+/-0.000 χ^2/NDF:112708567588.8/28

Out: -6.165+/-0.000 χ^2/NDF:135015345398.2/33

All: -6.166+/-0.000 χ^2/NDF: 247724496906.3

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:172245.5/14

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:105881.1/12

Left: 0.010+/-0.000 χ^2/NDF: 289501.0/27

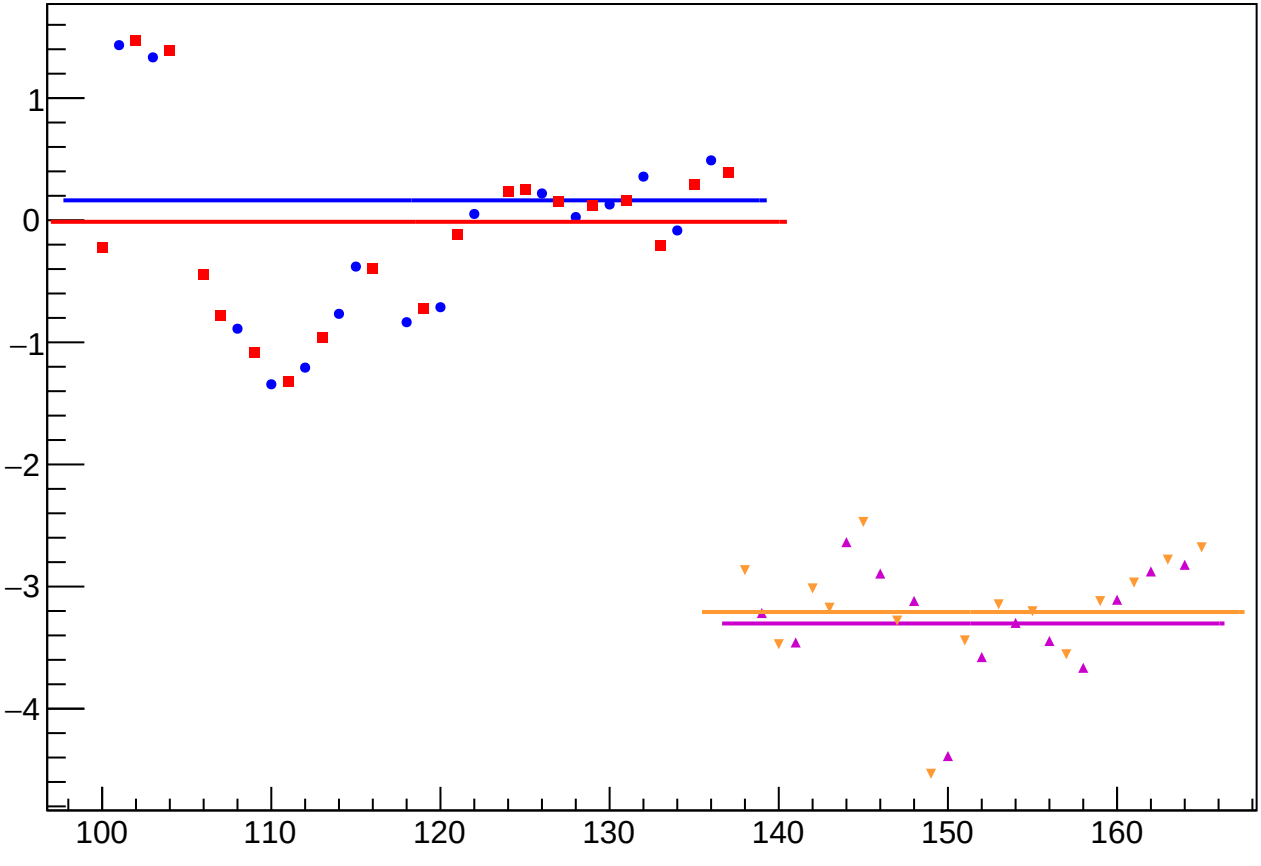
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2731853.1/28

Out: 0.007+/-0.000 χ^2/NDF:2559268.3/33

All: 0.007+/-0.000 χ^2/NDF: 5291836.1/62

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.208+/-0.000 χ^2/NDF:8070346218.6/14

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.302+/-0.000 χ^2/NDF:6262896257.5/12

Left: -3.252+/-0.000 χ^2/NDF: 14484030318.4/27

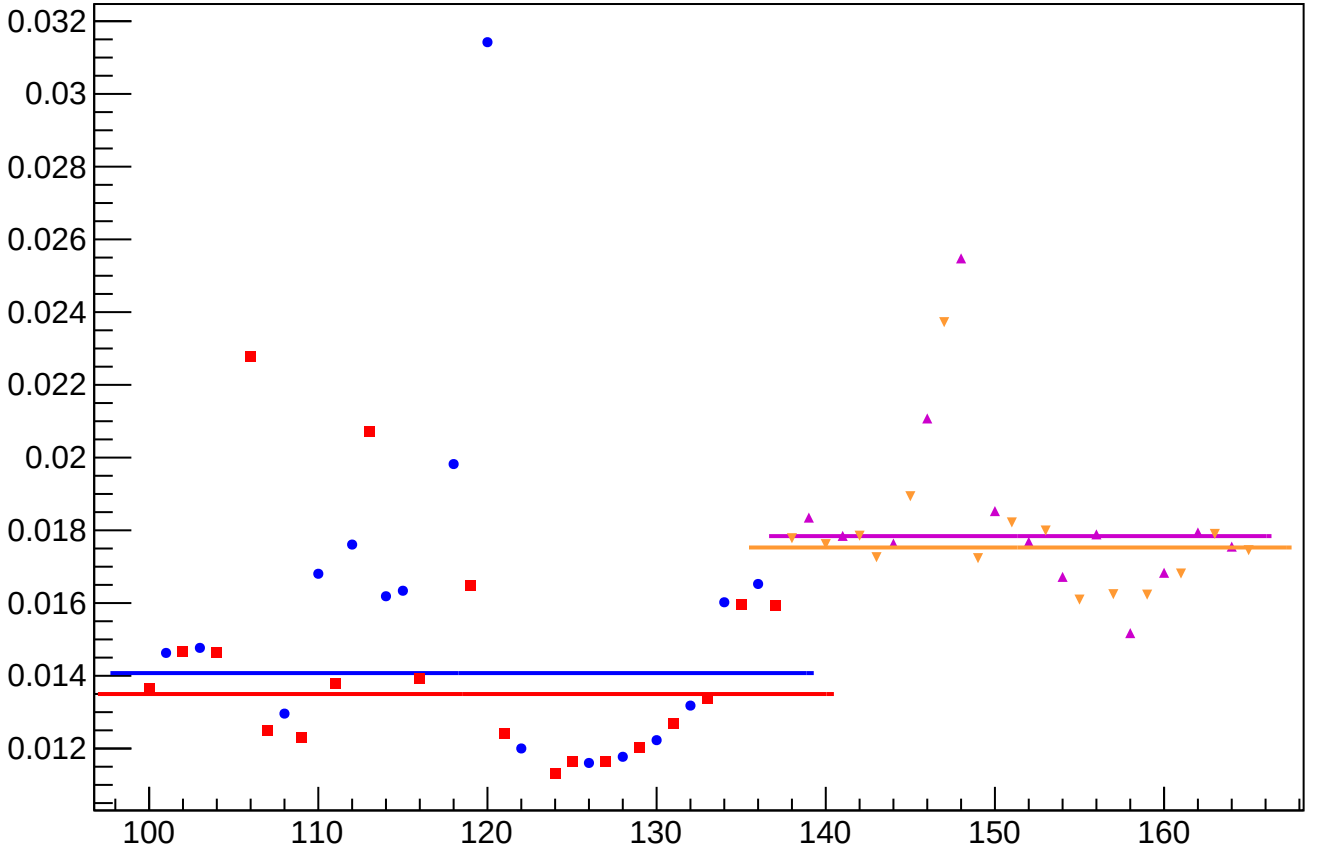
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.583+/-0.000 χ^2/NDF:216807196592.7/28

Out: -1.593+/-0.000 χ^2/NDF:218218064362.1/33

All: -1.588+/-0.000 χ^2/NDF: 435028082096.4

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:152391.4/14

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243386.7/12

Left: 0.018+/-0.000 χ^2/NDF: 399127.5/27

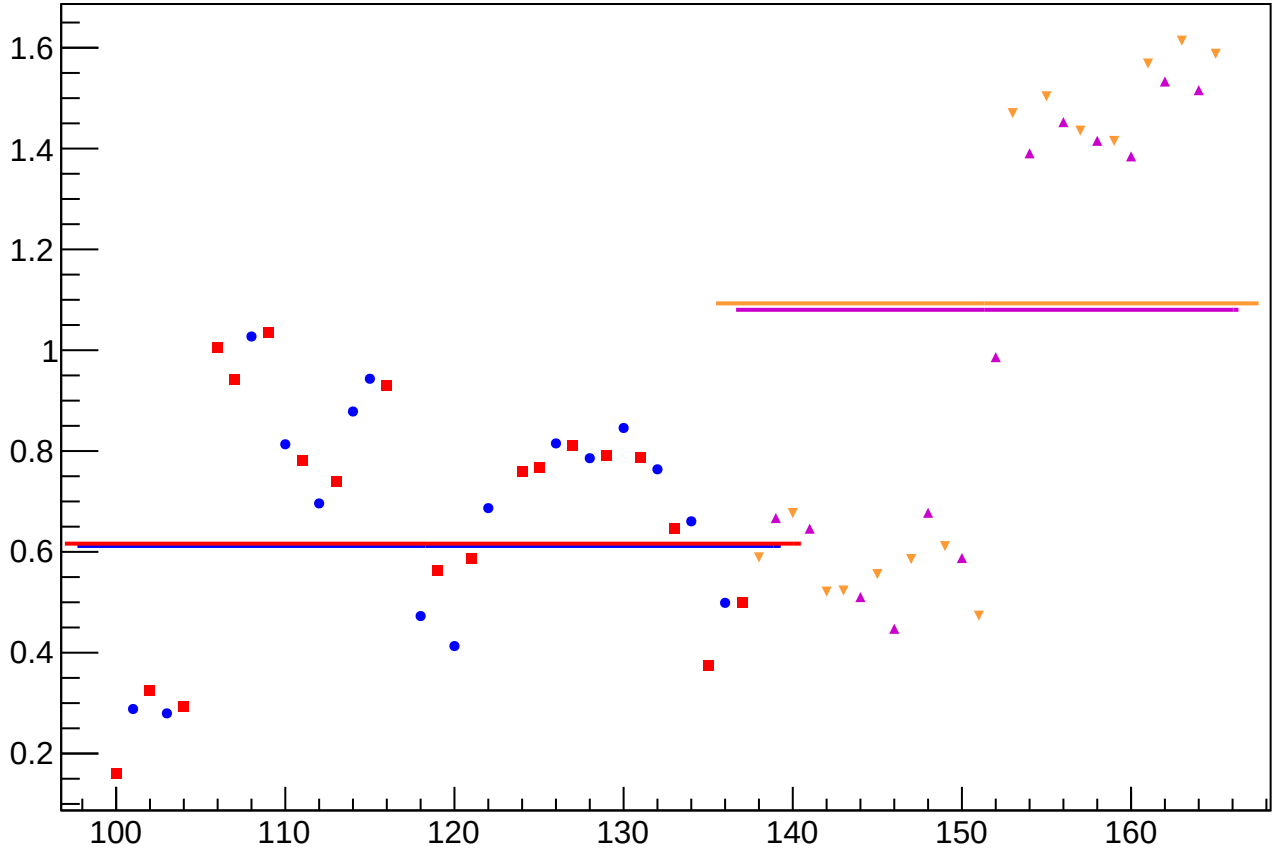
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1164049.7/28

Out: 0.015+/-0.000 χ^2/NDF:1064112.1/33

All: 0.016+/-0.000 χ^2/NDF: 2244087.6/62

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.093+/-0.000 χ^2/NDF:35837154894.0/14

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.080+/-0.000 χ^2/NDF:26283458745.0/12

Left: 1.087+/-0.000 χ^2/NDF: 62133719614.0/27

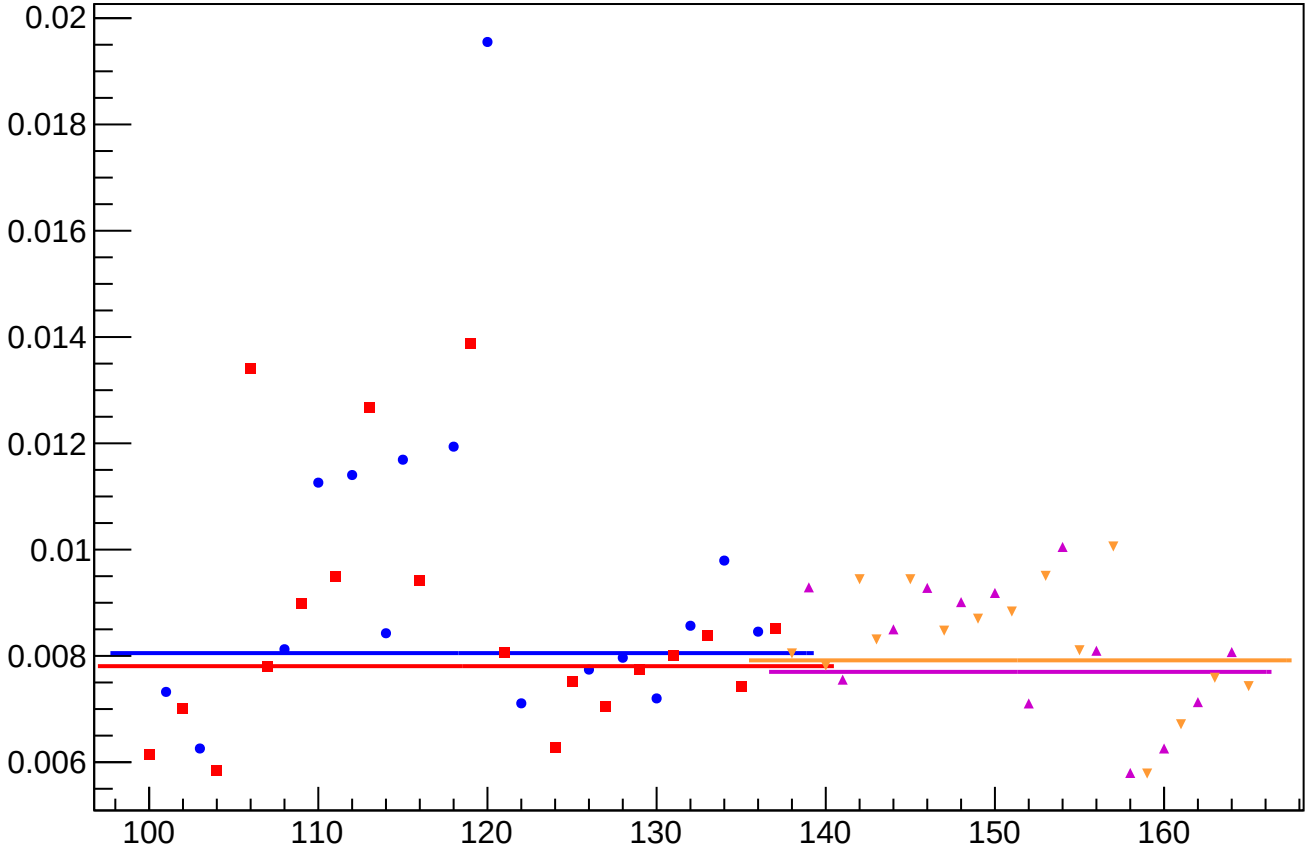
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.906+/-0.000 χ^2/NDF:44959384124.3/28

Out: 0.905+/-0.000 χ^2/NDF:56747690660.0/33

All: 0.906+/-0.000 χ^2/NDF: 101707213931.3

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:466135.6/14

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:537369.5/12

Left: 0.008+/-0.000 χ^2/NDF: 1011075.3/27

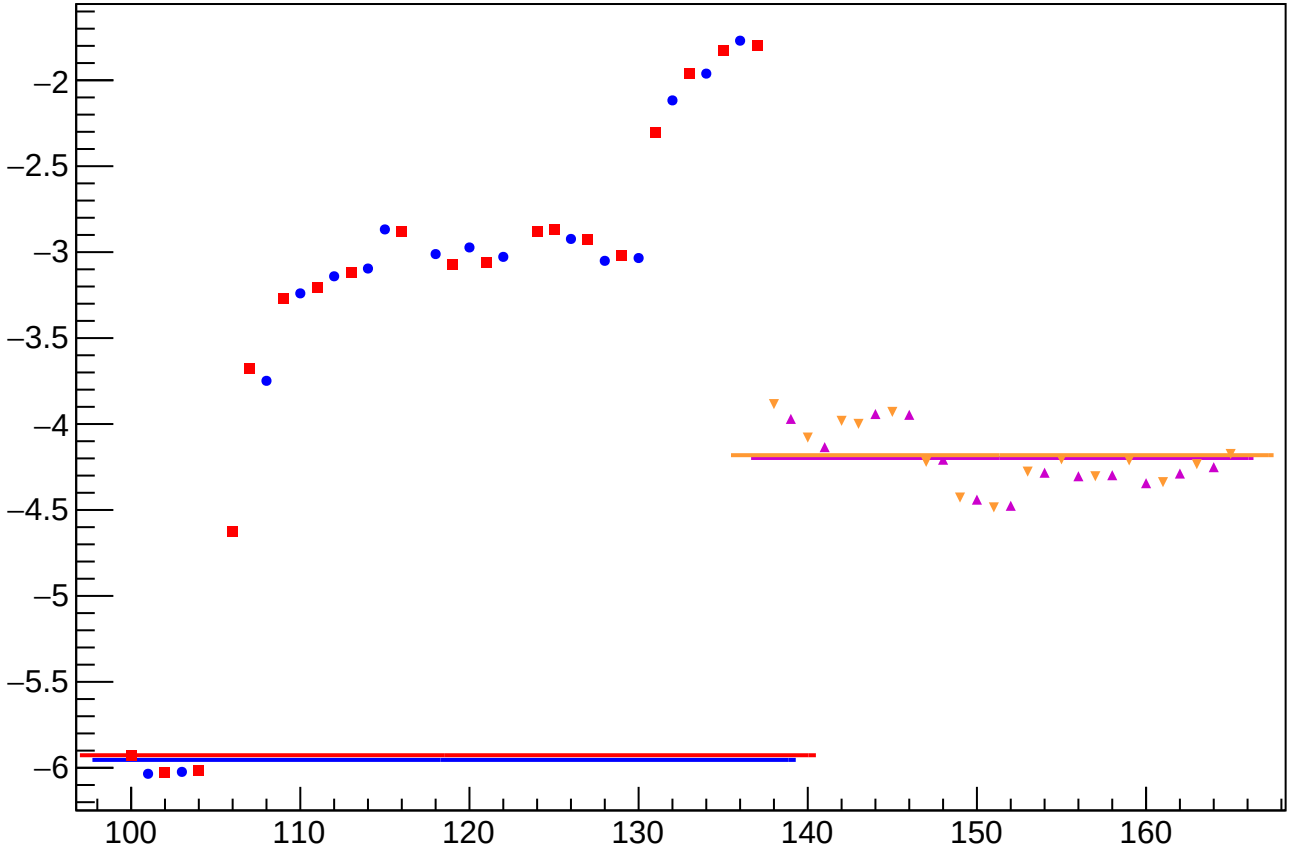
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1150494.7/28

Out: 0.008+/-0.000 χ^2/NDF:1054815.6/33

All: 0.008+/-0.000 χ^2/NDF: 2205787.0/62

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.181+/-0.000 χ^2/NDF:52549975.0/14

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.197+/-0.000 χ^2/NDF:39973374.2/12

Left: -4.191+/-0.000 χ^2/NDF: 92700656.9/27

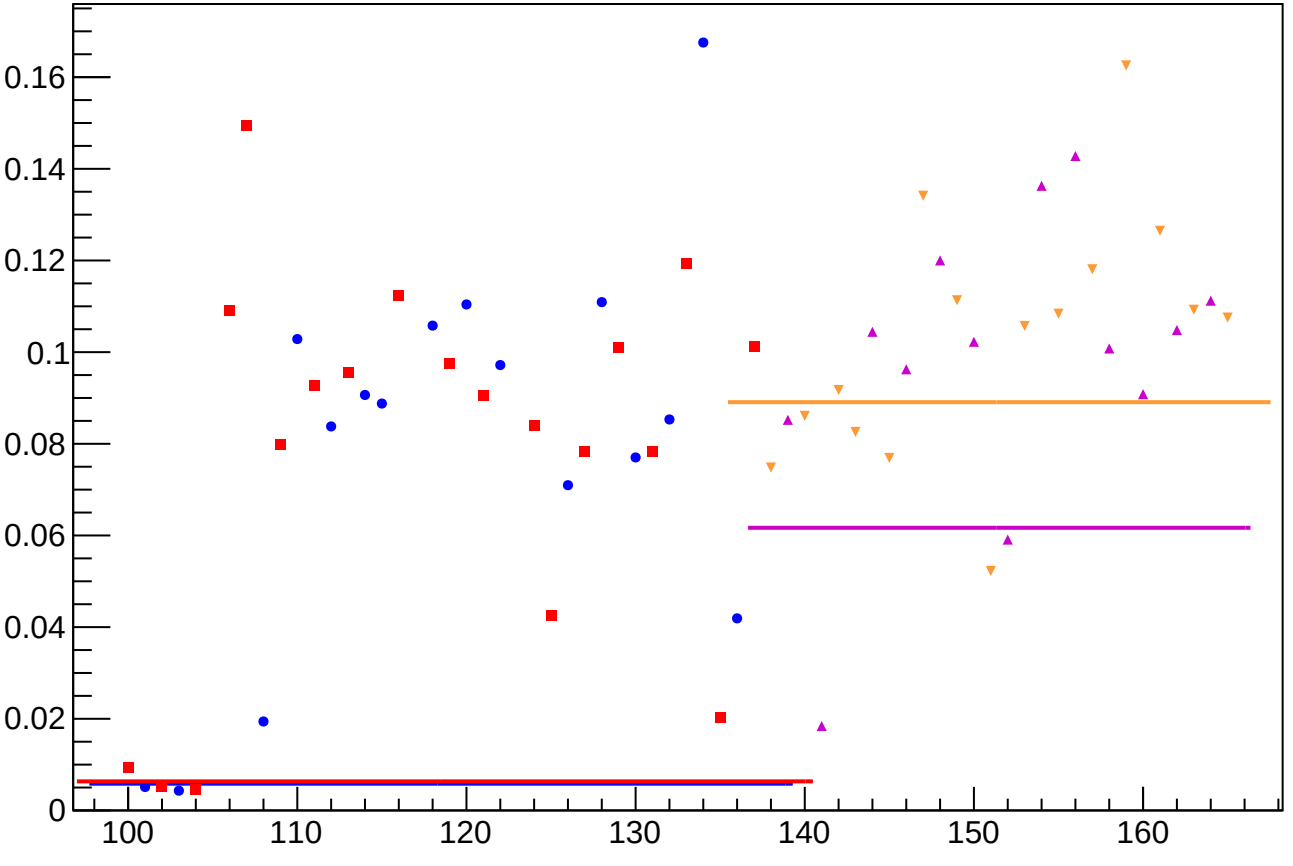
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.902+/-0.000 χ^2/NDF:17848157279.0/28

Out: -5.879+/-0.000 χ^2/NDF:17491768539.4/33

All: -5.892+/-0.000 χ^2/NDF: 35352349073.6/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.089+/-0.000 χ^2/NDF:1569168.5/14

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.062+/-0.000 χ^2/NDF:5419940.7/12

Left: 0.073+/-0.000 χ^2/NDF: 8004930.8/27

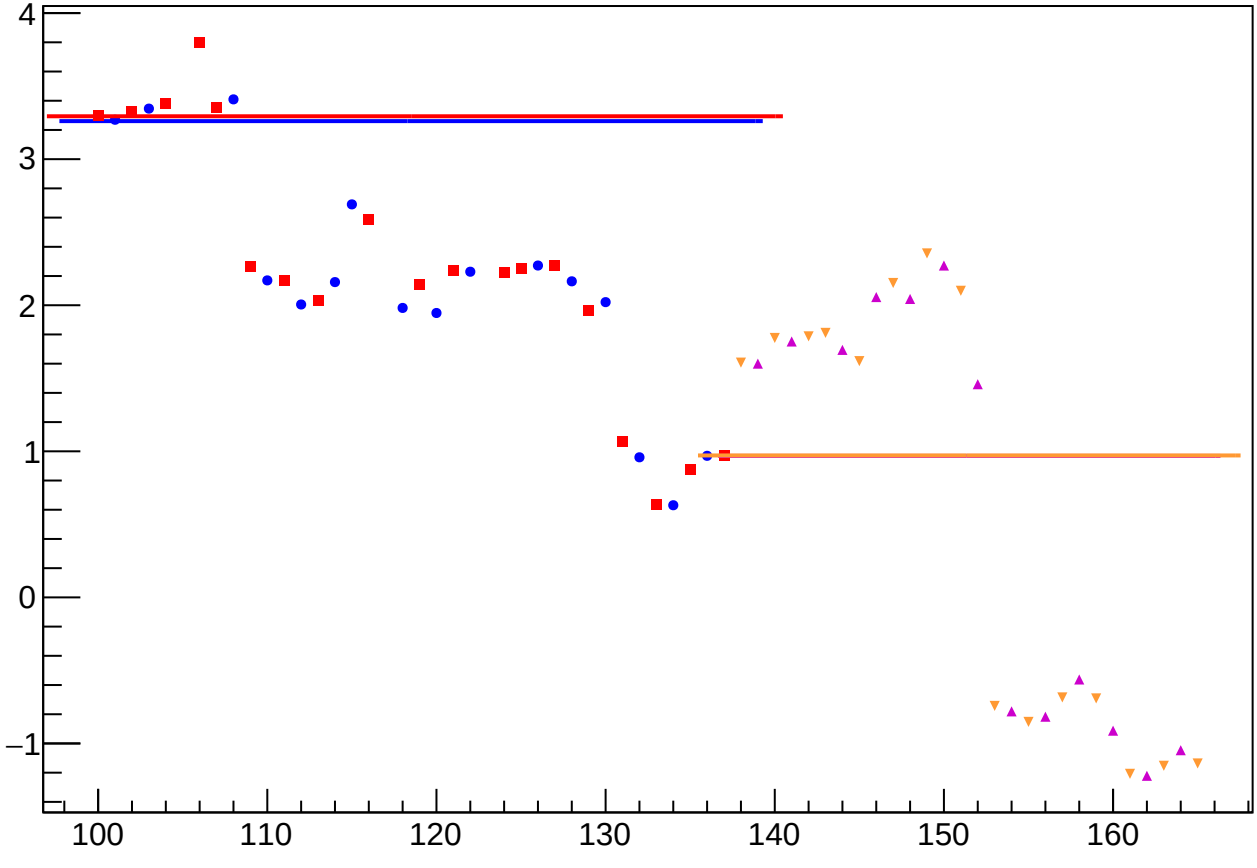
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:23634598.8/28

Out: 0.009+/-0.000 χ^2/NDF:26120611.7/33

All: 0.008+/-0.000 χ^2/NDF: 49813585.2/62

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.972+/-0.000 χ^2/NDF:1875710604.7/14

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.968+/-0.000 χ^2/NDF:1619166616.7/12

Left: 0.970+/-0.000 χ^2/NDF: 3494882591.3/27

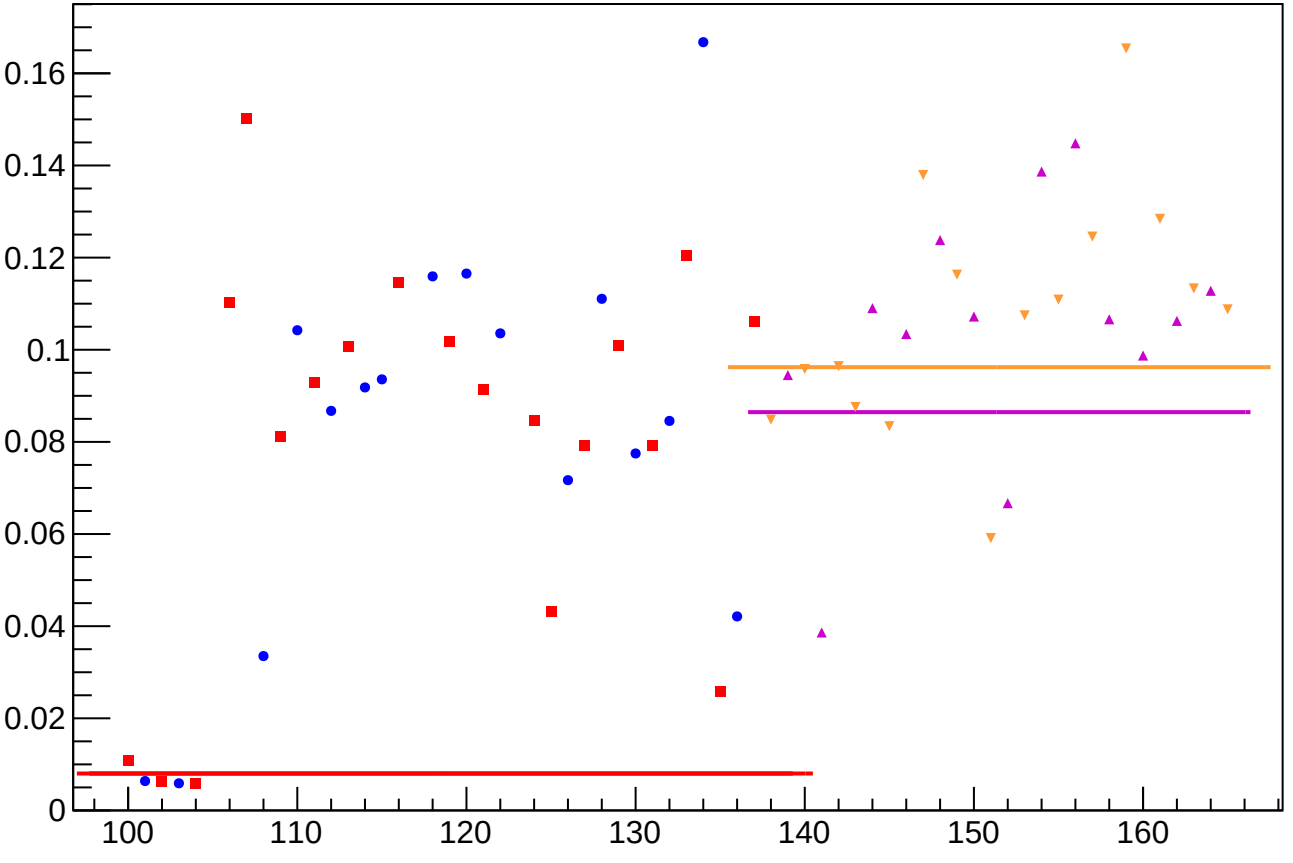
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.185+/-0.000 χ^2/NDF:9961480008.2/28

Out: 3.214+/-0.000 χ^2/NDF:10561253552.8/33

All: 3.199+/-0.000 χ^2/NDF: 20534988138.4/6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.096+/-0.000 χ^2/NDF:1235687.1/14

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.086+/-0.000 χ^2/NDF:2204307.5/12

Left: 0.091+/-0.000 χ^2/NDF: 3539634.2/27

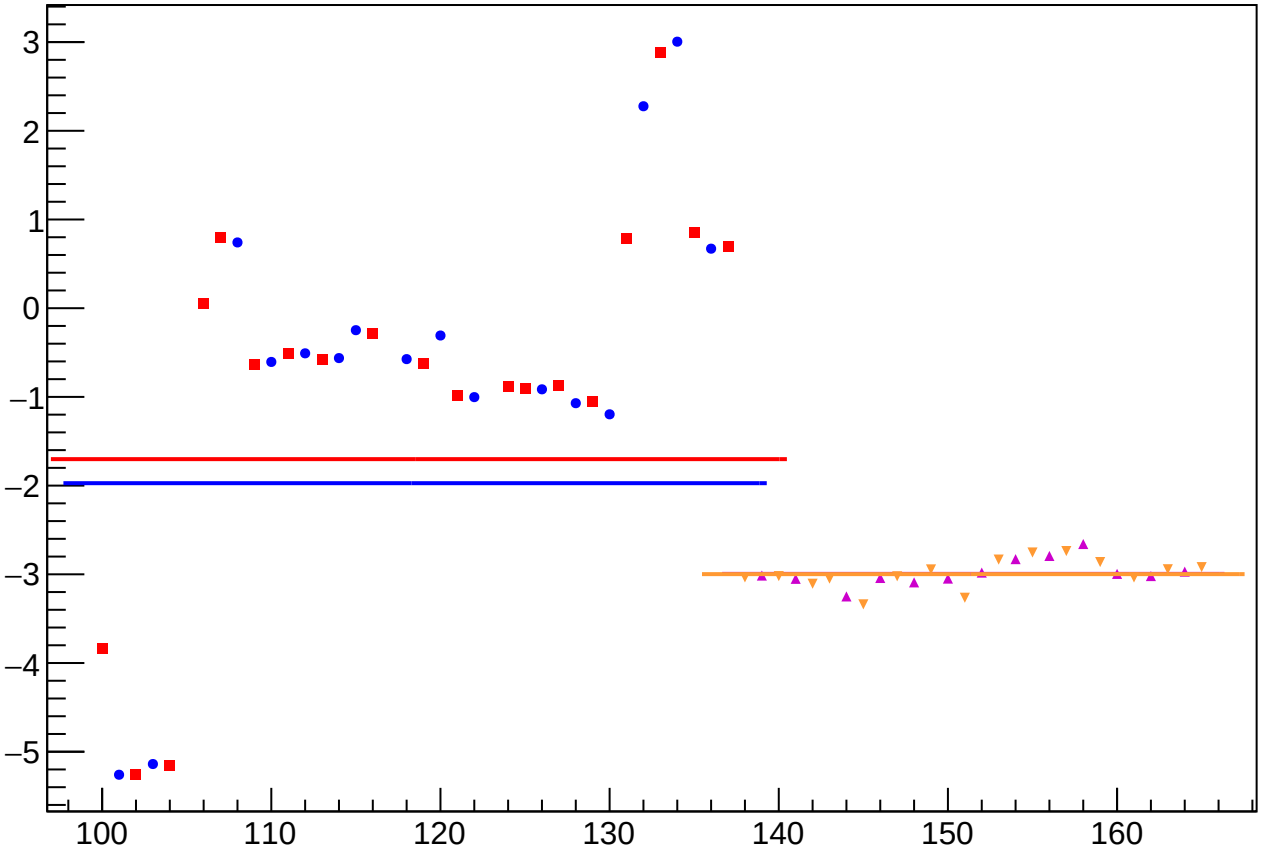
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:23110509.9/28

Out: 0.011+/-0.000 χ^2/NDF:25478991.8/33

All: 0.011+/-0.000 χ^2/NDF: 48596471.3/62

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.998+/-0.000 χ^2/NDF:4302163489.8/14

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.995+/-0.000 χ^2/NDF:2987602124.6/12

Left: -2.997+/-0.000 χ^2/NDF: 7290406236.9/27

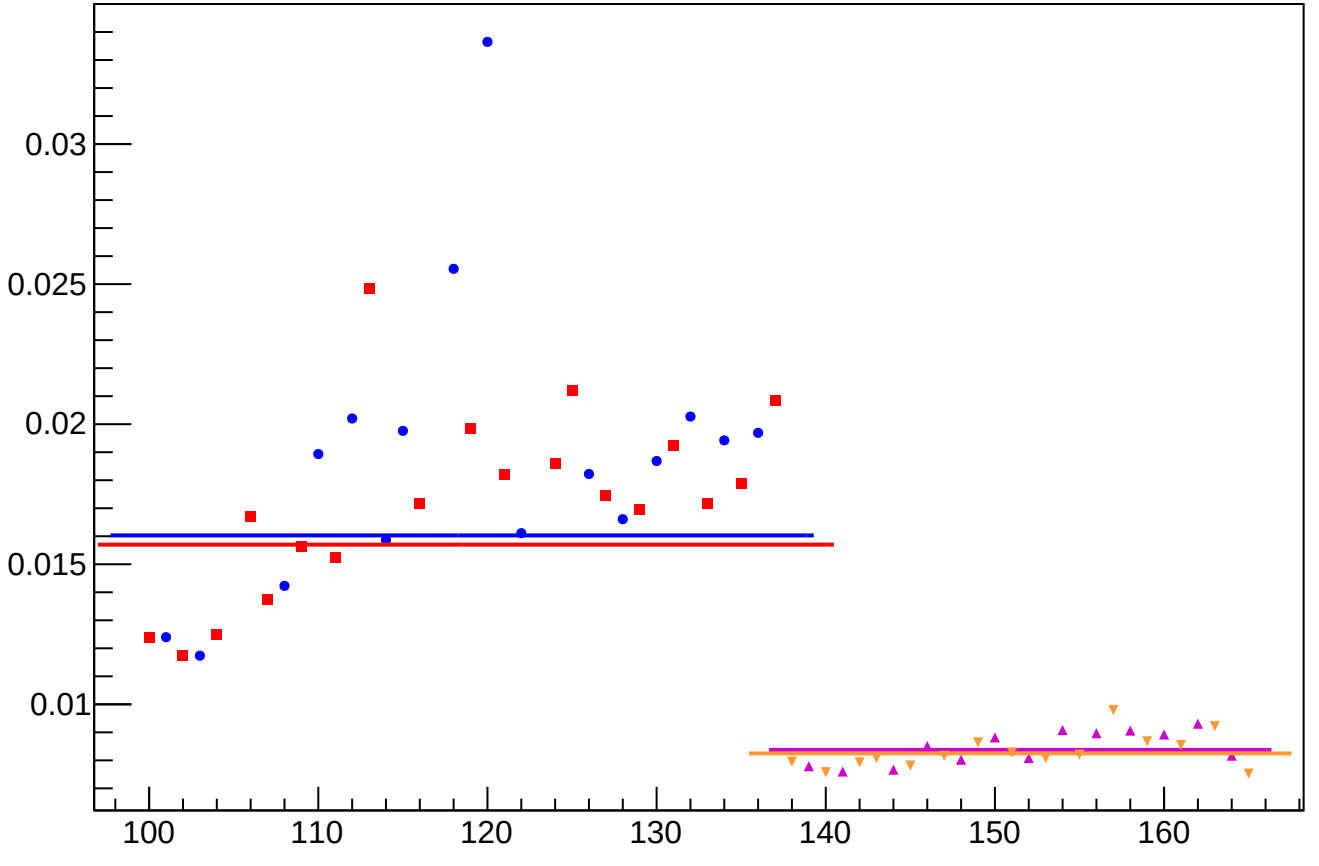
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.859+/-0.000 χ^2/NDF:185482070658.6/28

Out: -2.821+/-0.000 χ^2/NDF:209943291620.7/33

All: -2.839+/-0.000 χ^2/NDF: 395552084963.8

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:97468.6/14

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:99496.0/12

Left: 0.008+/-0.000 χ^2/NDF: 199444.9/27

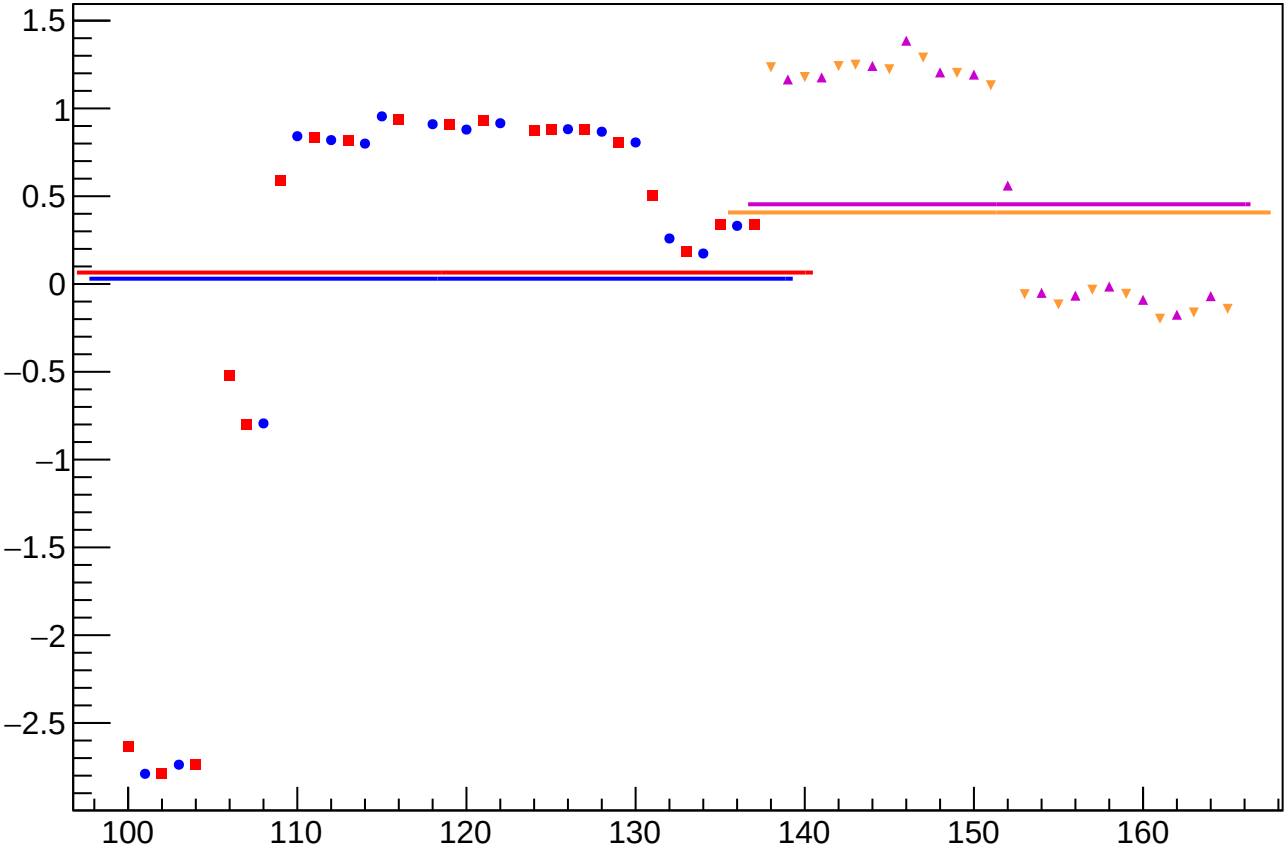
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3136848.6/28

Out: 0.009+/-0.000 χ^2/NDF:3081063.4/33

All: 0.009+/-0.000 χ^2/NDF: 6220982.1/62

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.407+/-0.000 χ^2/NDF:86689705516.2/14

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.454+/-0.000 χ^2/NDF:66631353544.9/12

Left: 0.429+/-0.000 χ^2/NDF: 153530785214.0/27

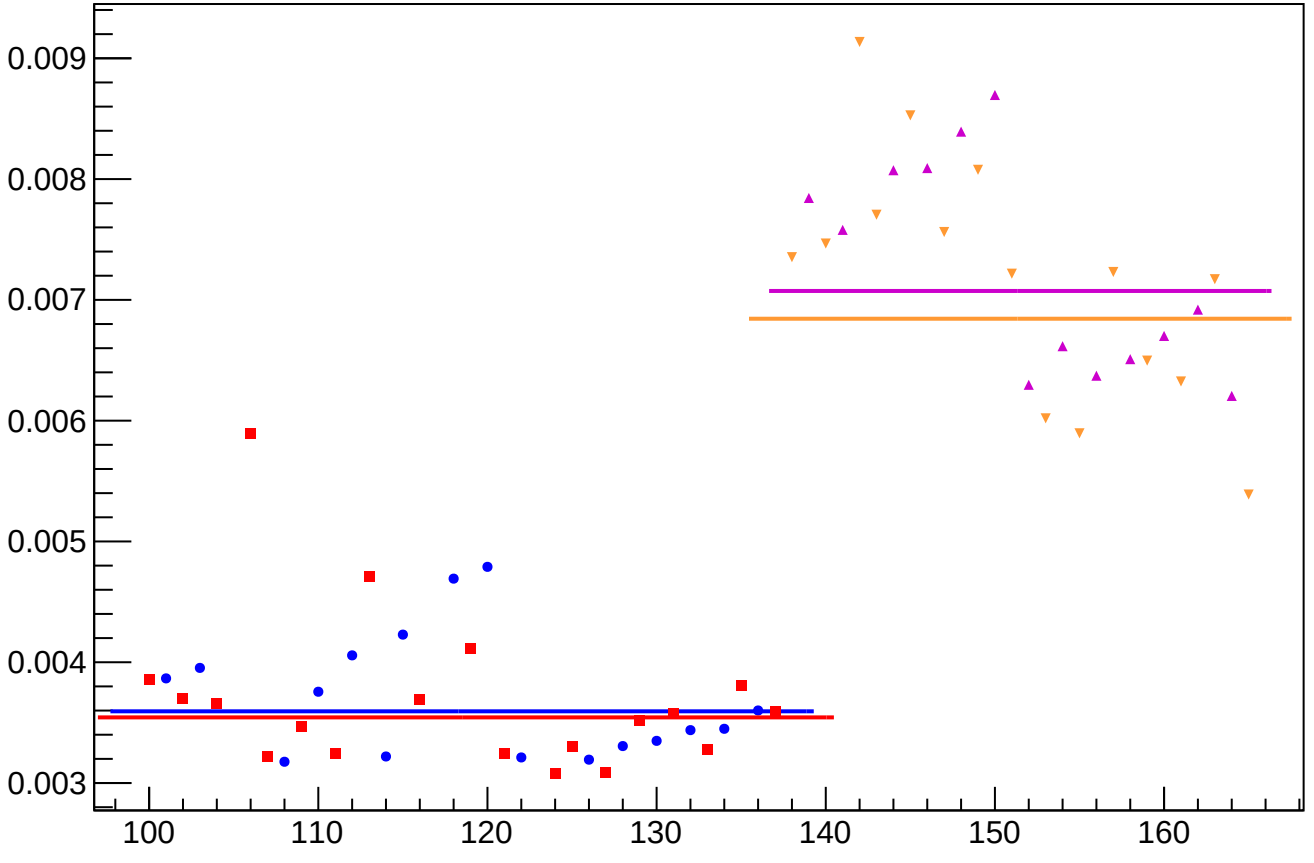
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.139+/-0.000 χ^2/NDF:942385161194.5/28

Out: 0.157+/-0.000 χ^2/NDF:1039768578278.2/33

All: 0.149+/-0.000 χ^2/NDF: 1982272236135.

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:343477.6/14

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:233058.3/12

Left: 0.007+/-0.000 χ^2/NDF: 586695.6/27

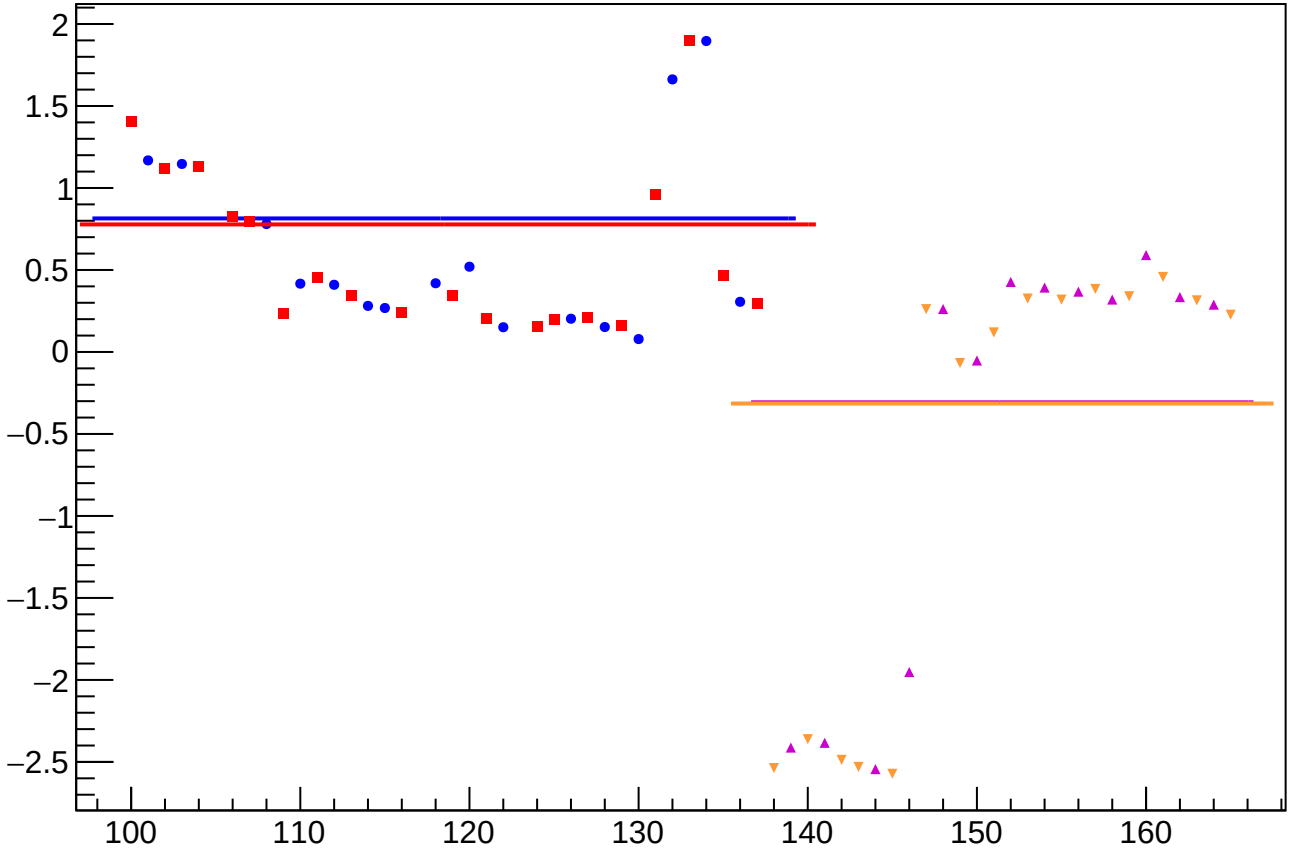
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3660376.1/28

Out: 0.004+/-0.000 χ^2/NDF:3846272.2/33

All: 0.004+/-0.000 χ^2/NDF: 7509138.3/62

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.314+/-0.000 χ^2/NDF:354216844764.3/14

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.307+/-0.000 χ^2/NDF:315314299026.8/12

Left: -0.311+/-0.000 χ^2/NDF: 669538269589.4/27

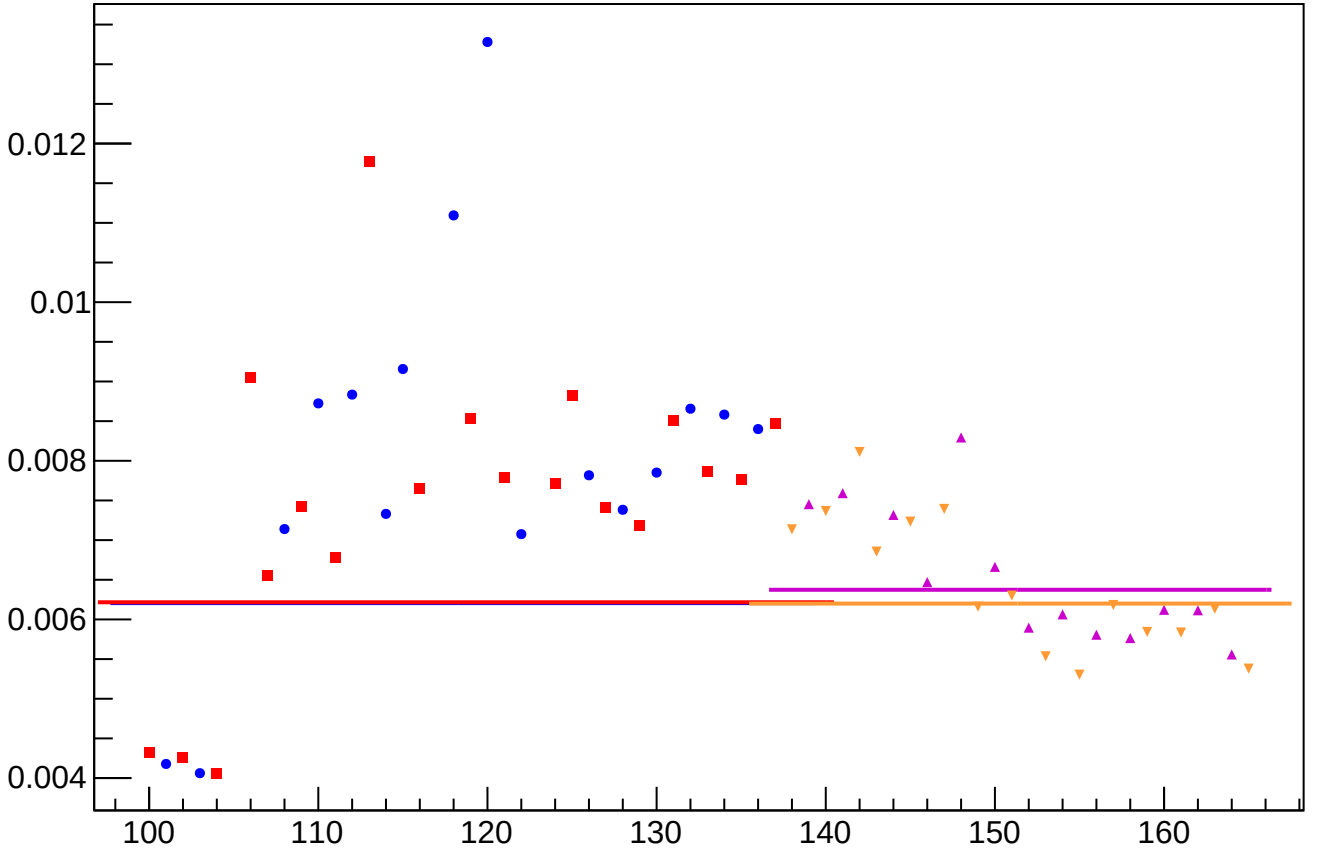
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.113+/-0.000 χ^2/NDF:464167368030.7/28

Out: 0.084+/-0.000 χ^2/NDF:506708640066.3/33

All: 0.098+/-0.000 χ^2/NDF: 971054706689.6

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:283932.7/14

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:257240.0/12

Left: 0.006+/-0.000 χ^2/NDF: 548888.7/27

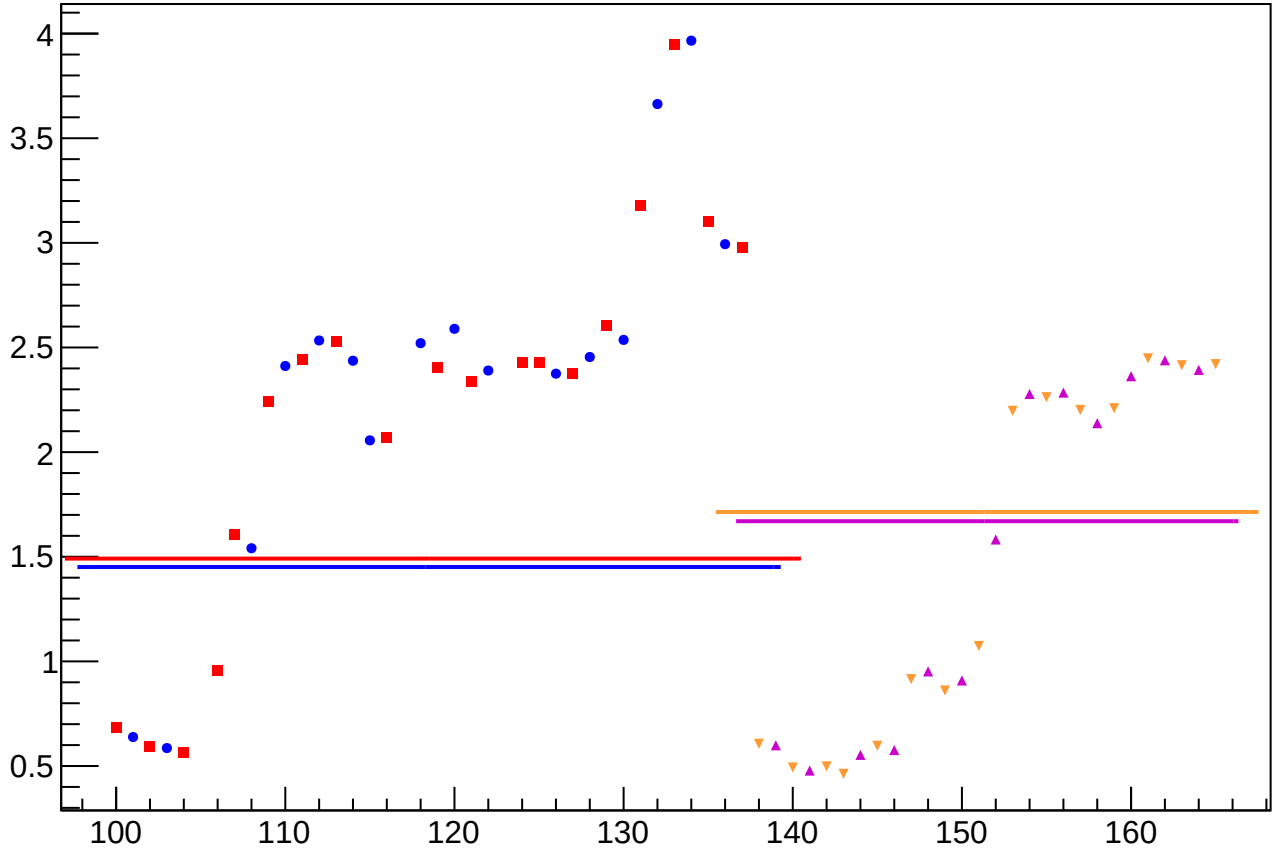
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1686207.2/28

Out: 0.006+/-0.000 χ^2/NDF:1445104.0/33

All: 0.006+/-0.000 χ^2/NDF: 3135778.0/62

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.714+/-0.000 χ^2/NDF:172468381376.6/14

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.670+/-0.000 χ^2/NDF:139559153711.0/12

Left: 1.694+/-0.000 χ^2/NDF: 312274685934.5/27

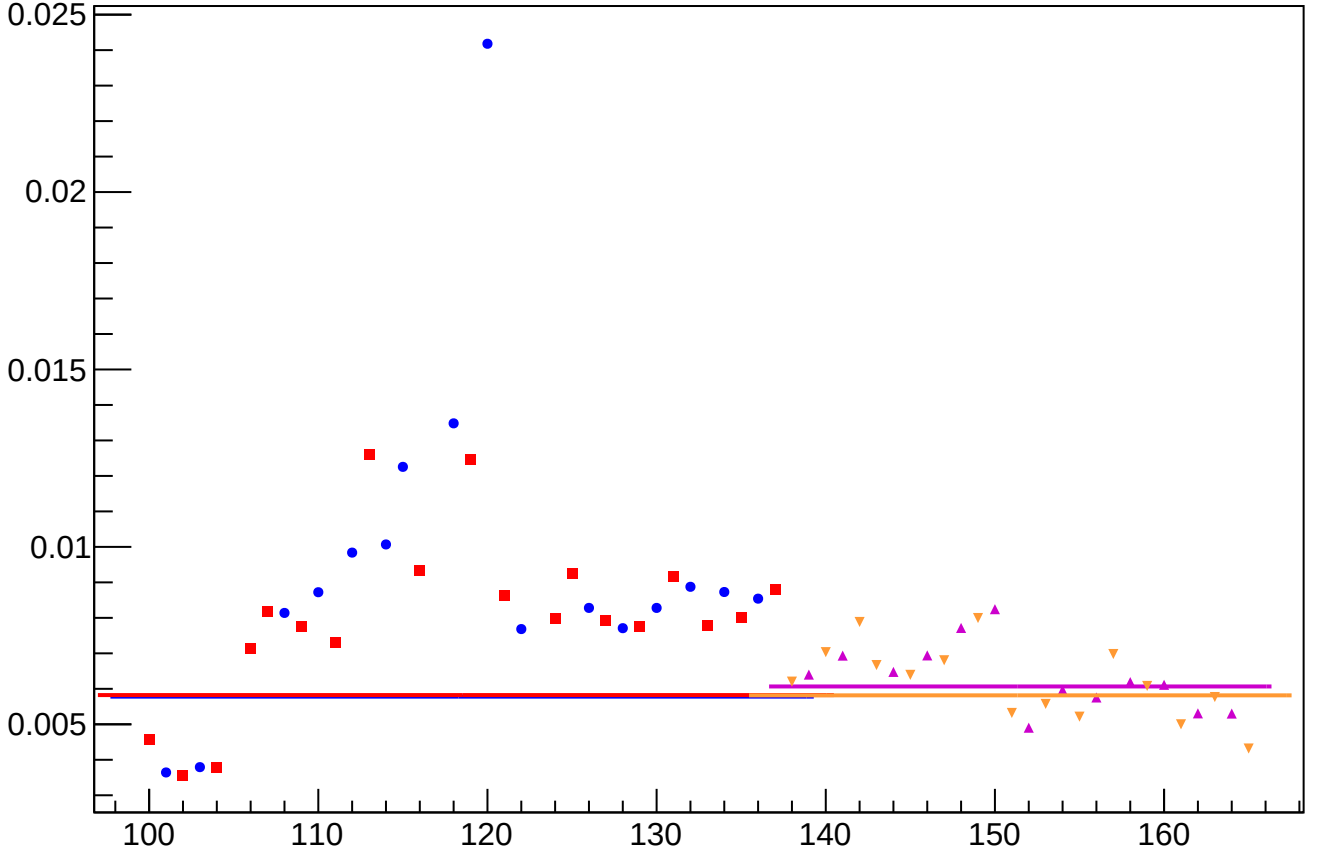
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.585+/-0.000 χ^2/NDF:313592131295.1/28

Out: 1.632+/-0.000 χ^2/NDF:364472218703.1/33

All: 1.610+/-0.000 χ^2/NDF: 678512336487.3

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:485966.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:344094.6/12

Left: 0.006+/-0.000 χ^2/NDF: 846018.7/27

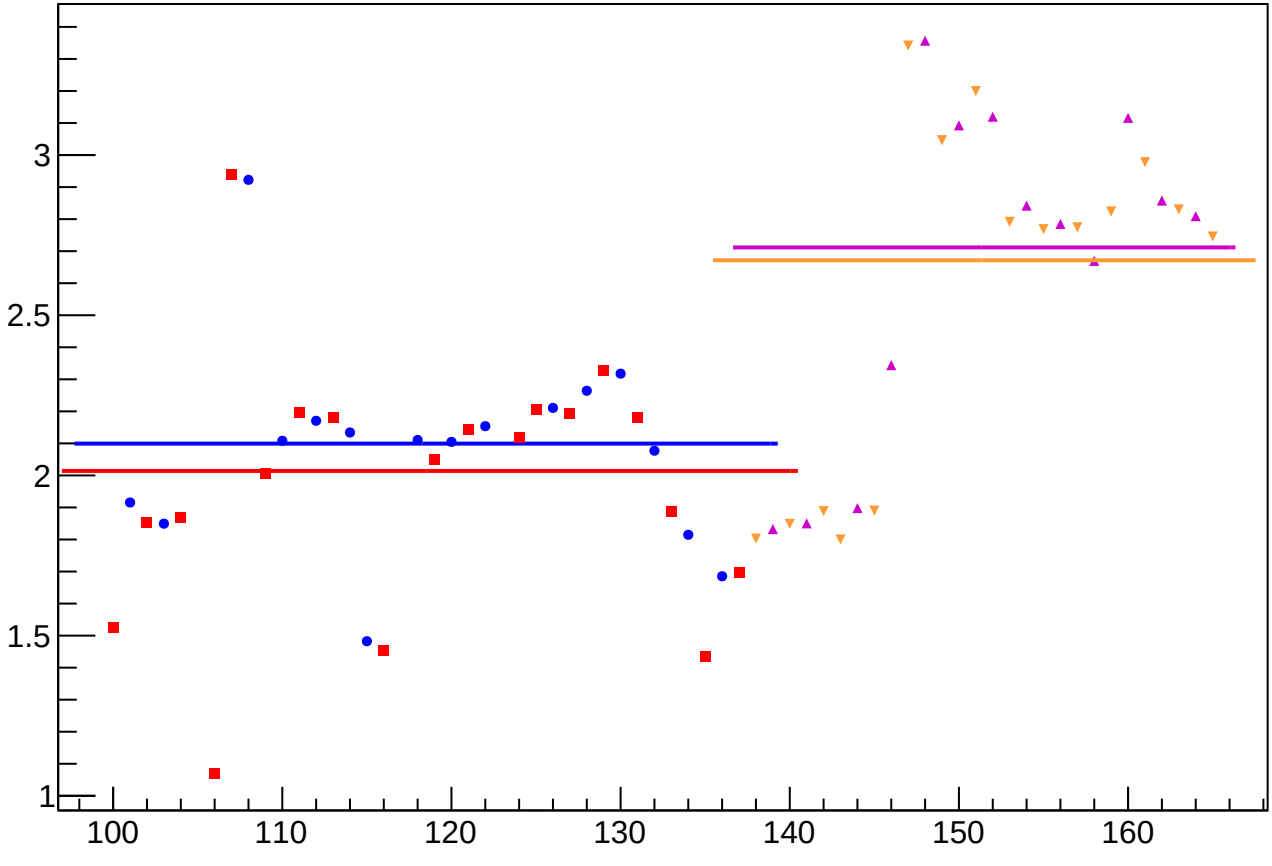
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2573000.7/28

Out: 0.006+/-0.000 χ^2/NDF:2441729.1/33

All: 0.006+/-0.000 χ^2/NDF: 5022379.7/62

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.671+/-0.000 χ^2/NDF:42891644822.9/14

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.712+/-0.000 χ^2/NDF:36162298484.5/12

Left: 2.691+/-0.000 χ^2/NDF: 79189045203.2/27

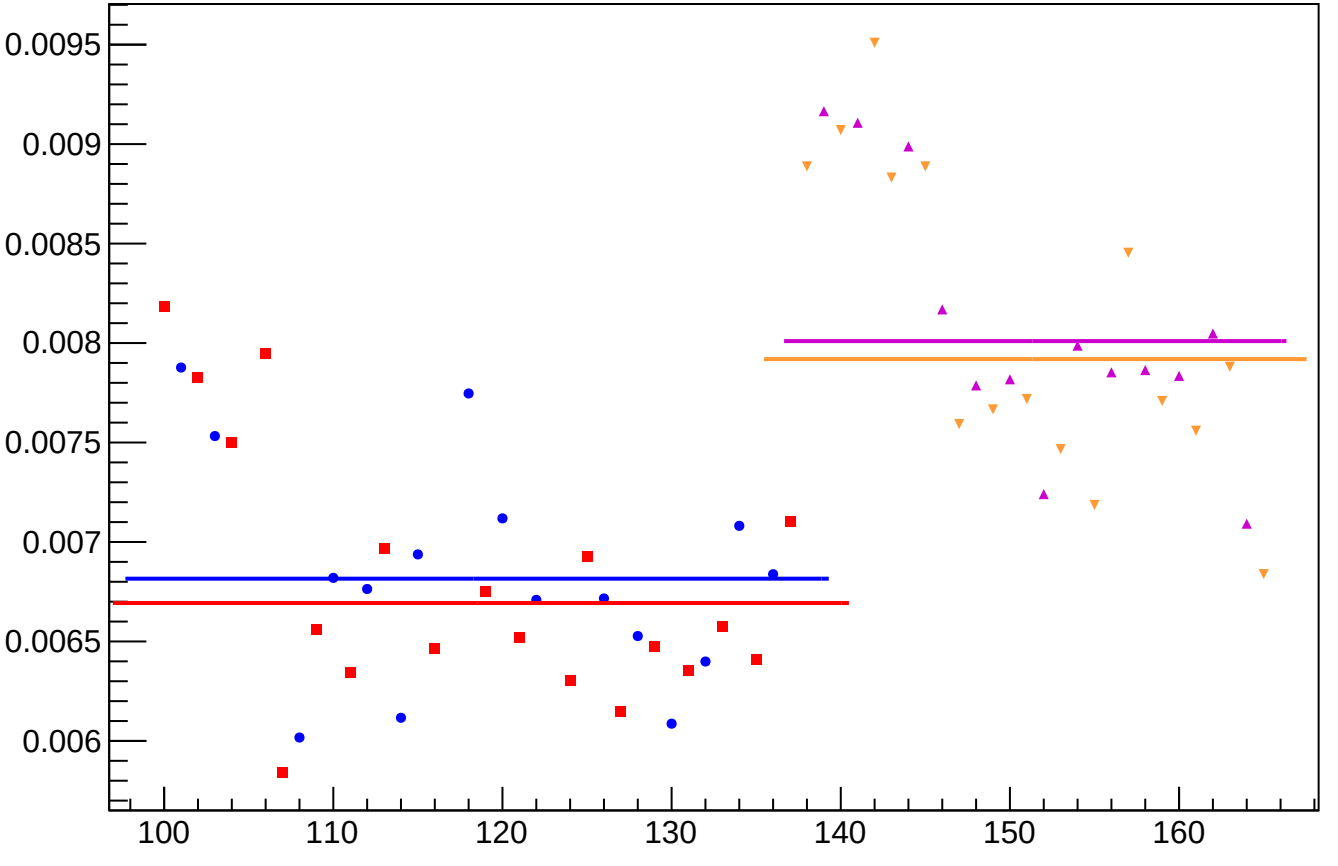
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.419+/-0.000 χ^2/NDF:78842627342.1/28

Out: 2.358+/-0.000 χ^2/NDF:98537477689.6/33

All: 2.387+/-0.000 χ^2/NDF: 177975997544.9

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:165858.2/14

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:112294.2/12

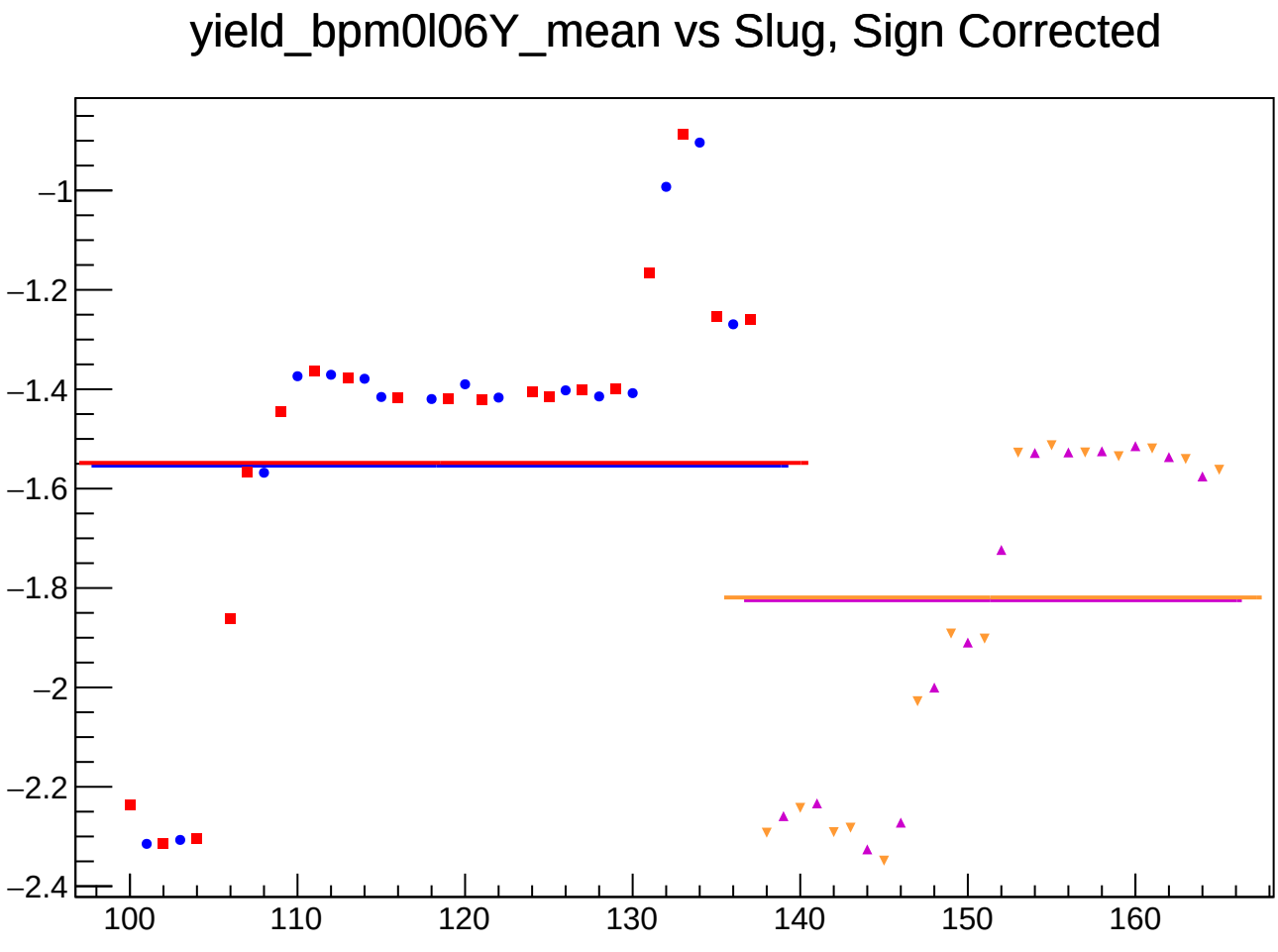
Left: 0.008+/-0.000 χ^2/NDF: 279522.7/27

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

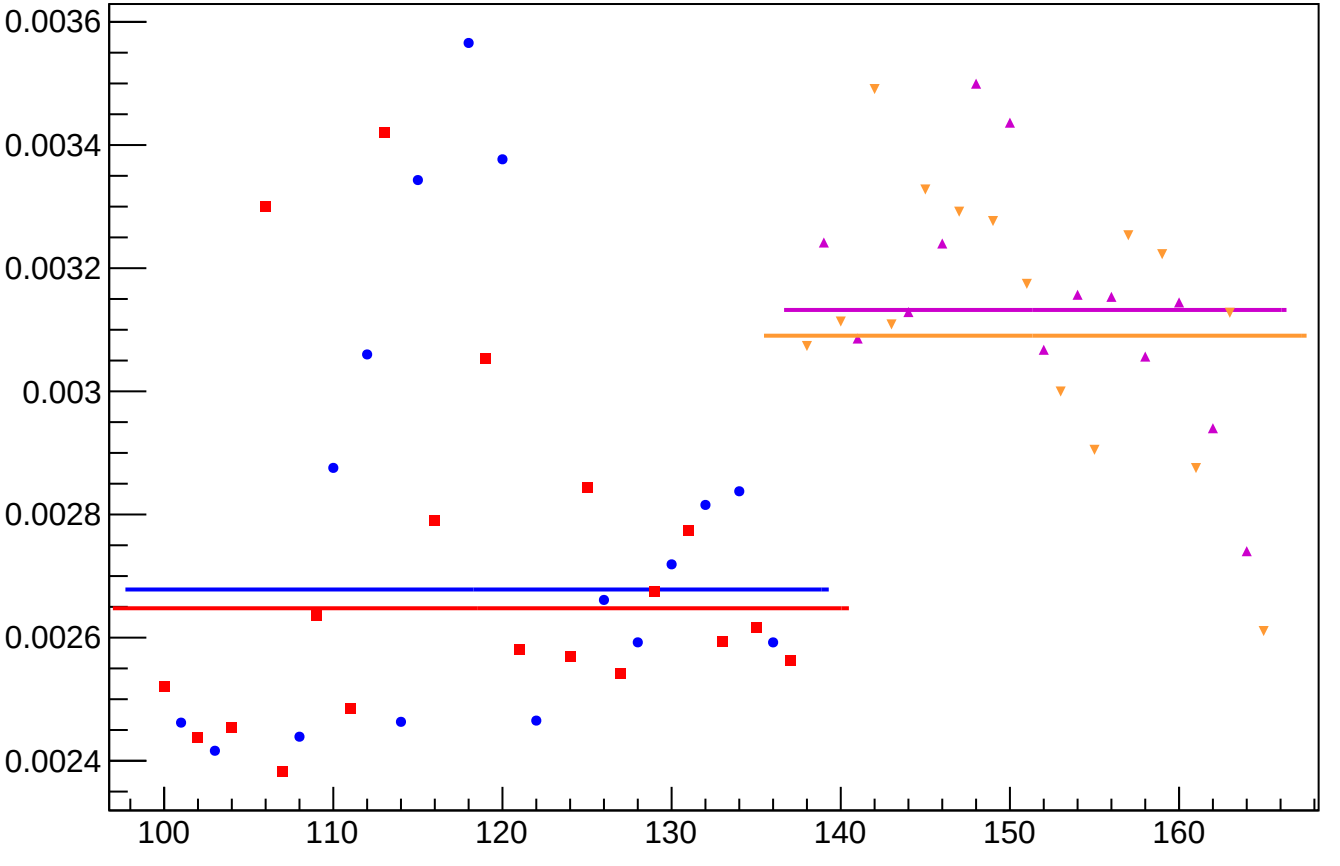
In: 0.007+/-0.000 χ^2/NDF:417768.8/28

Out: 0.007+/-0.000 χ^2/NDF:504292.7/33

All: 0.007+/-0.000 χ^2/NDF: 925544.2/62


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
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.819+/-0.000 χ²/NDF:123242623331.4/14
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.824+/-0.000 χ²/NDF:108034957570.4/12
Left: -1.822+/-0.000 χ²/NDF: 231293307911.9/27
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.695+/-0.000 χ²/NDF:319121862240.0/28
Out: -1.692+/-0.000 χ²/NDF:336845186551.0/33
All: -1.693+/-0.000 χ²/NDF: 655981245156.2

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:93107.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:66122.9/12

Left: 0.003+/-0.000 χ^2/NDF: 161106.4/27

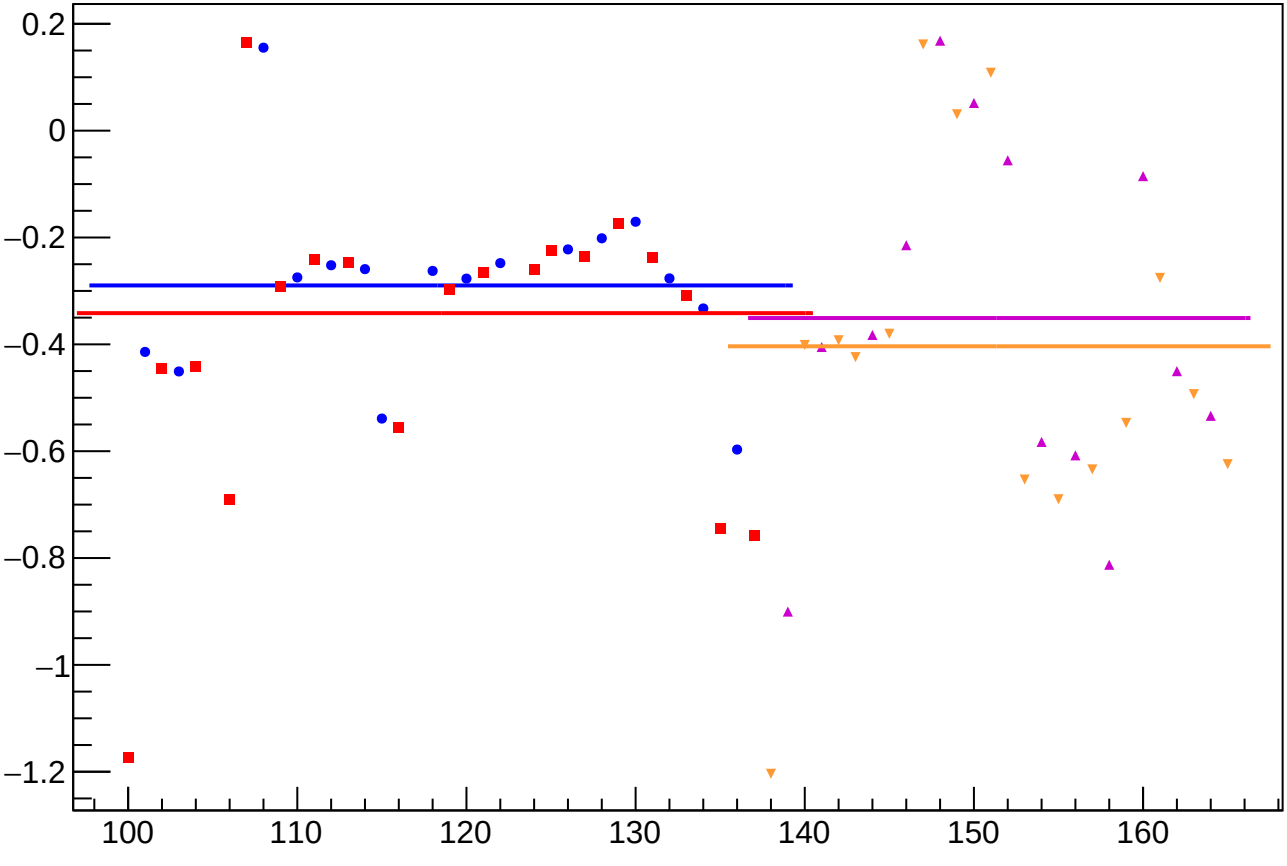
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:425834.3/28

Out: 0.003+/-0.000 χ^2/NDF:416876.2/33

All: 0.003+/-0.000 χ^2/NDF: 845020.2/62

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.404+/-0.000 χ^2/NDF:7262431346.6/14

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.351+/-0.000 χ^2/NDF:5824857362.3/12

Left: -0.378+/-0.000 χ^2/NDF: 13171354844.6/27

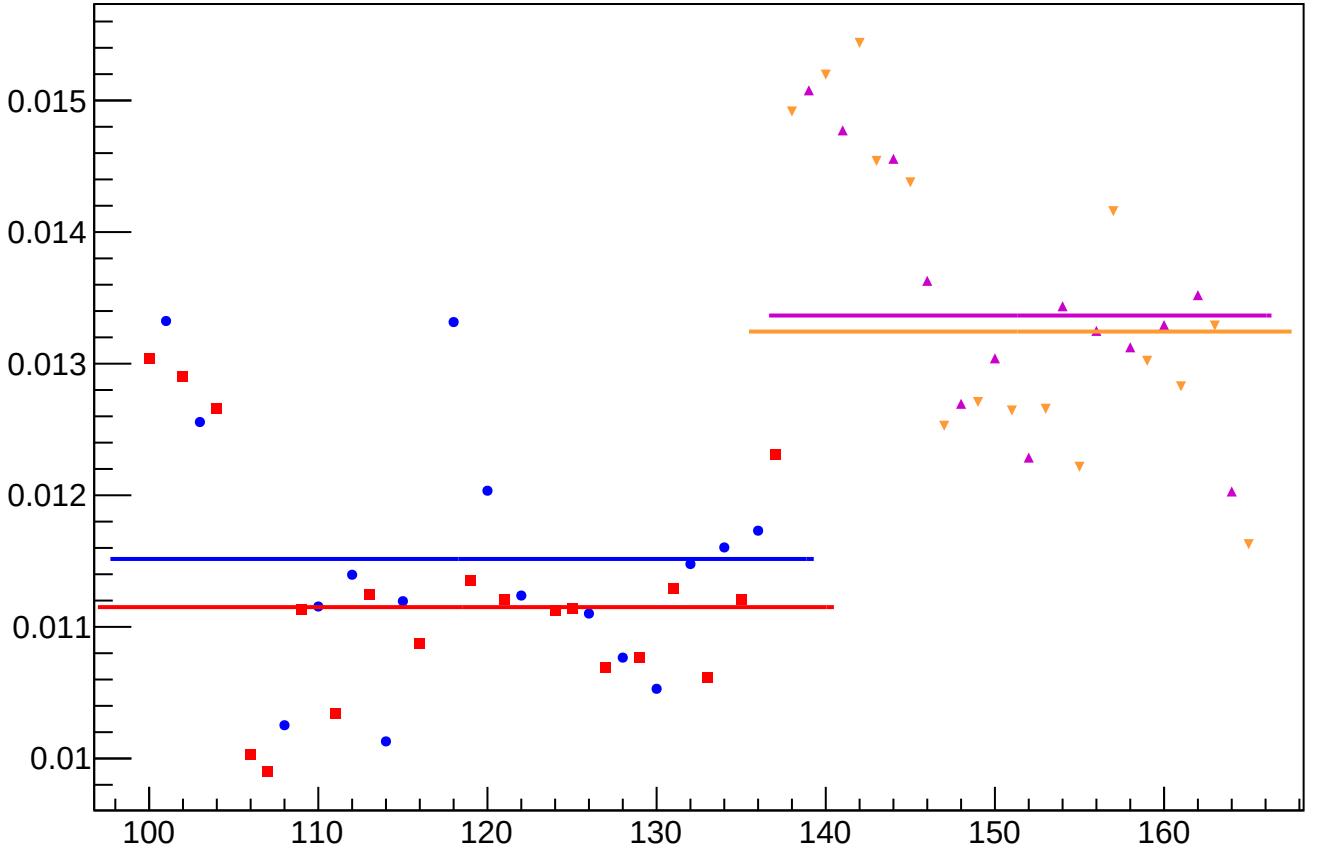
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.322+/-0.000 χ^2/NDF:7571819645.3/28

Out: -0.374+/-0.000 χ^2/NDF:9988270955.0/33

All: -0.349+/-0.000 χ^2/NDF: 17715895545.6/

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:137804.2/14

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:80707.0/12

Left: 0.013+/-0.000 χ^2/NDF: 219403.6/27

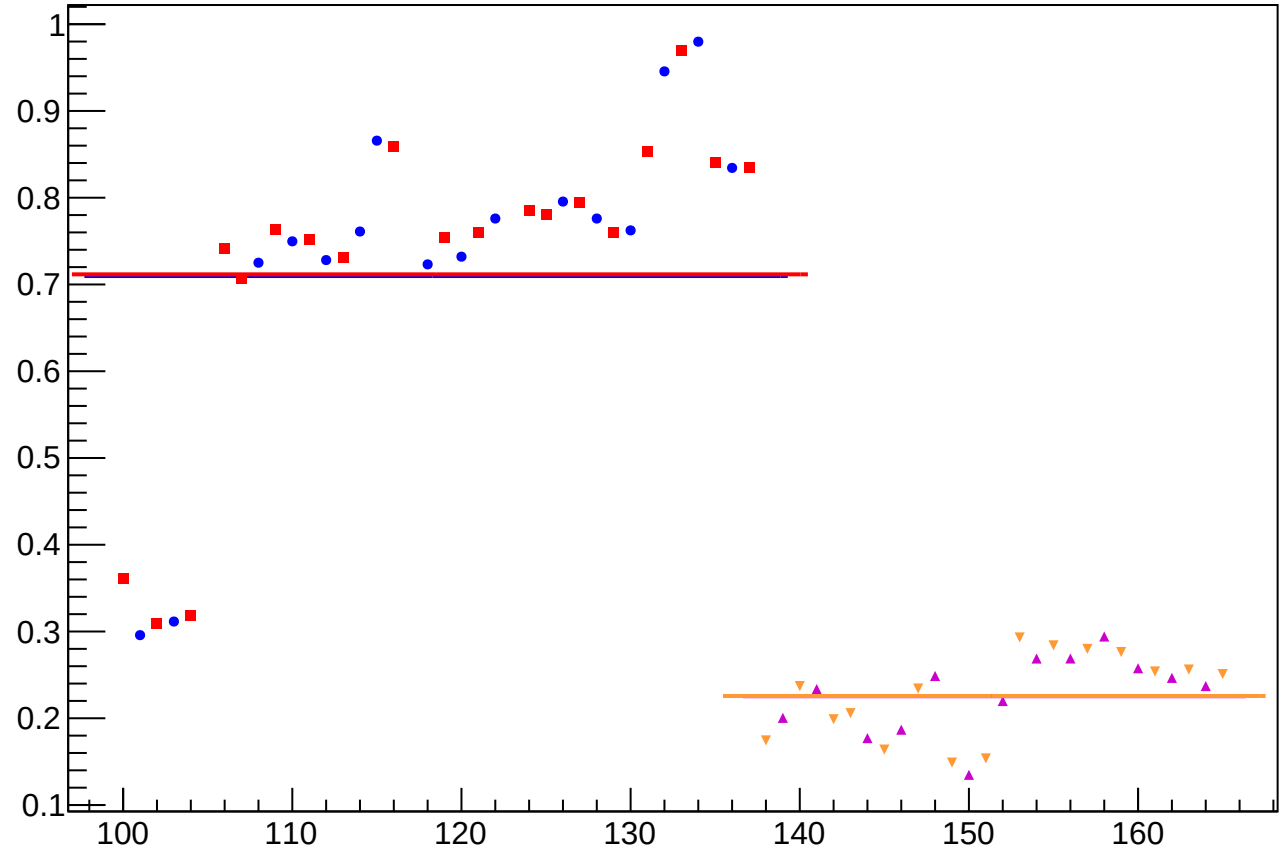
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:352072.6/28

Out: 0.012+/-0.000 χ^2/NDF:473599.9/33

All: 0.012+/-0.000 χ^2/NDF: 832904.0/62

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.226+/-0.000 χ^2/NDF:5585895936.5/14

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.225+/-0.000 χ^2/NDF:4223844476.3/12

Left: 0.226+/-0.000 χ^2/NDF: 9809825285.6/27

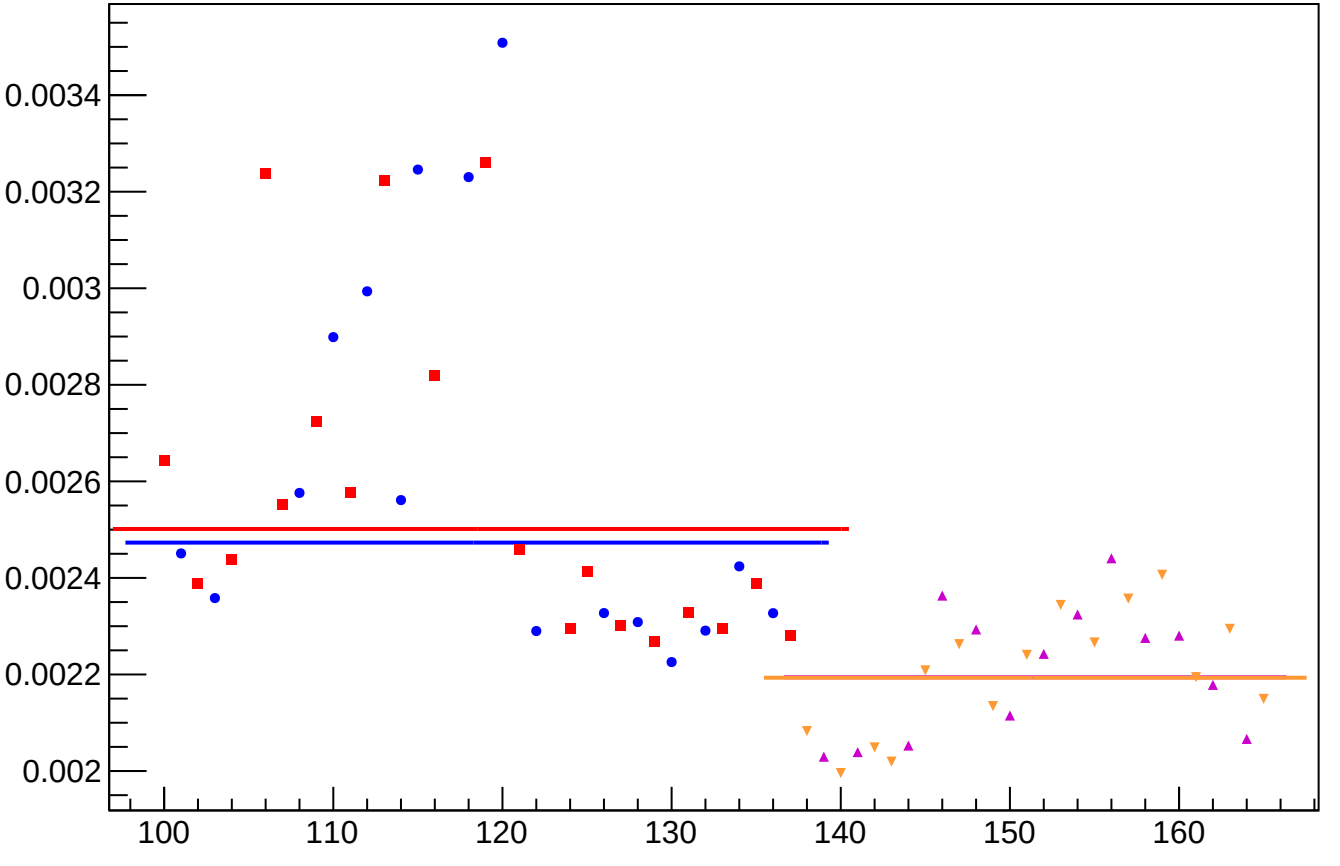
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.386+/-0.000 χ^2/NDF:227895568293.1/28

Out: 0.380+/-0.000 χ^2/NDF:231040073148.0/33

All: 0.383+/-0.000 χ^2/NDF: 459001355302.8

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:74137.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:76473.4/12

Left: 0.002+/-0.000 χ^2/NDF: 150612.7/27

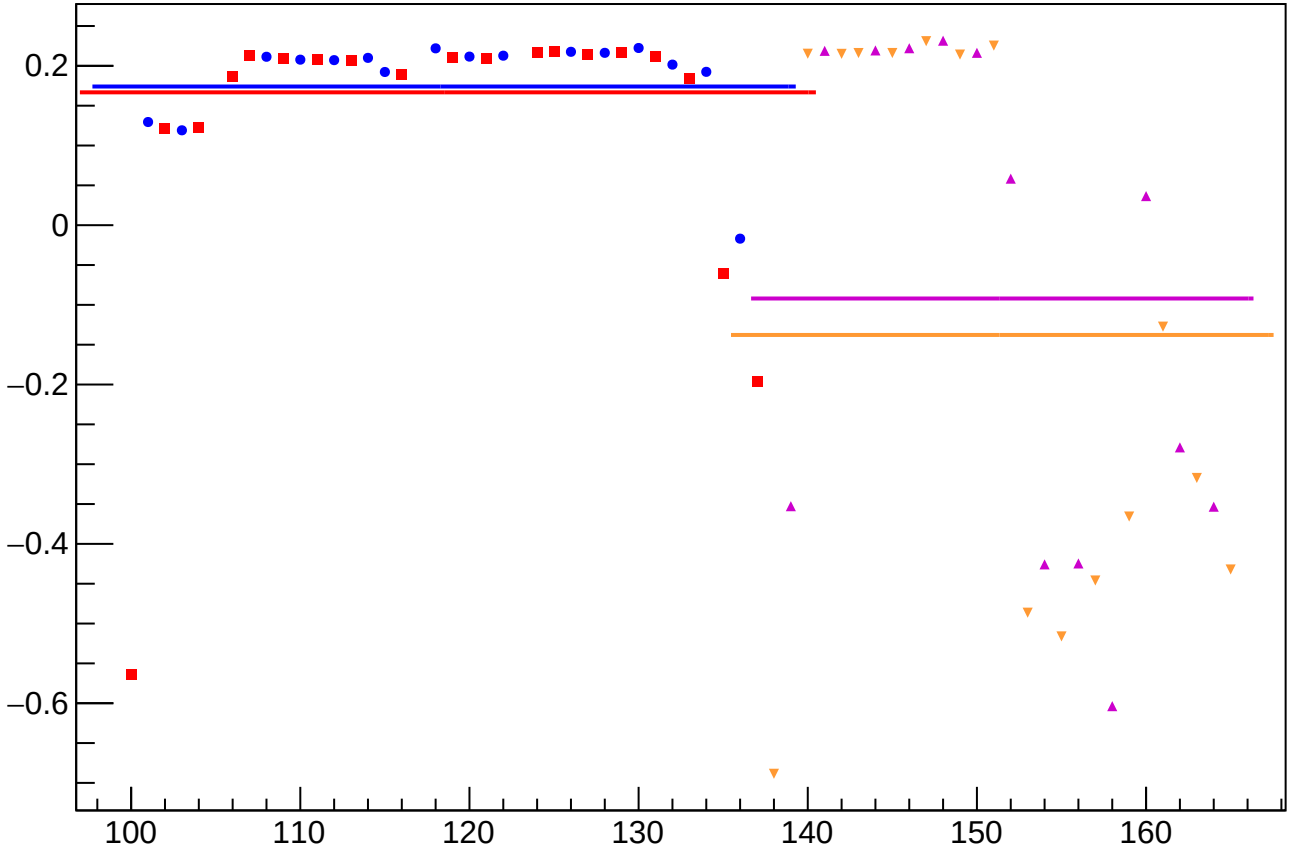
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:400488.3/28

Out: 0.002+/-0.000 χ^2/NDF:397290.7/33

All: 0.002+/-0.000 χ^2/NDF: 797843.1/62

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.138+/-0.000 χ^2/NDF:8486480811.6/14

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.092+/-0.000 χ^2/NDF:6491491859.5/12

Left: -0.116+/-0.000 χ^2/NDF: 15054810891.9/27

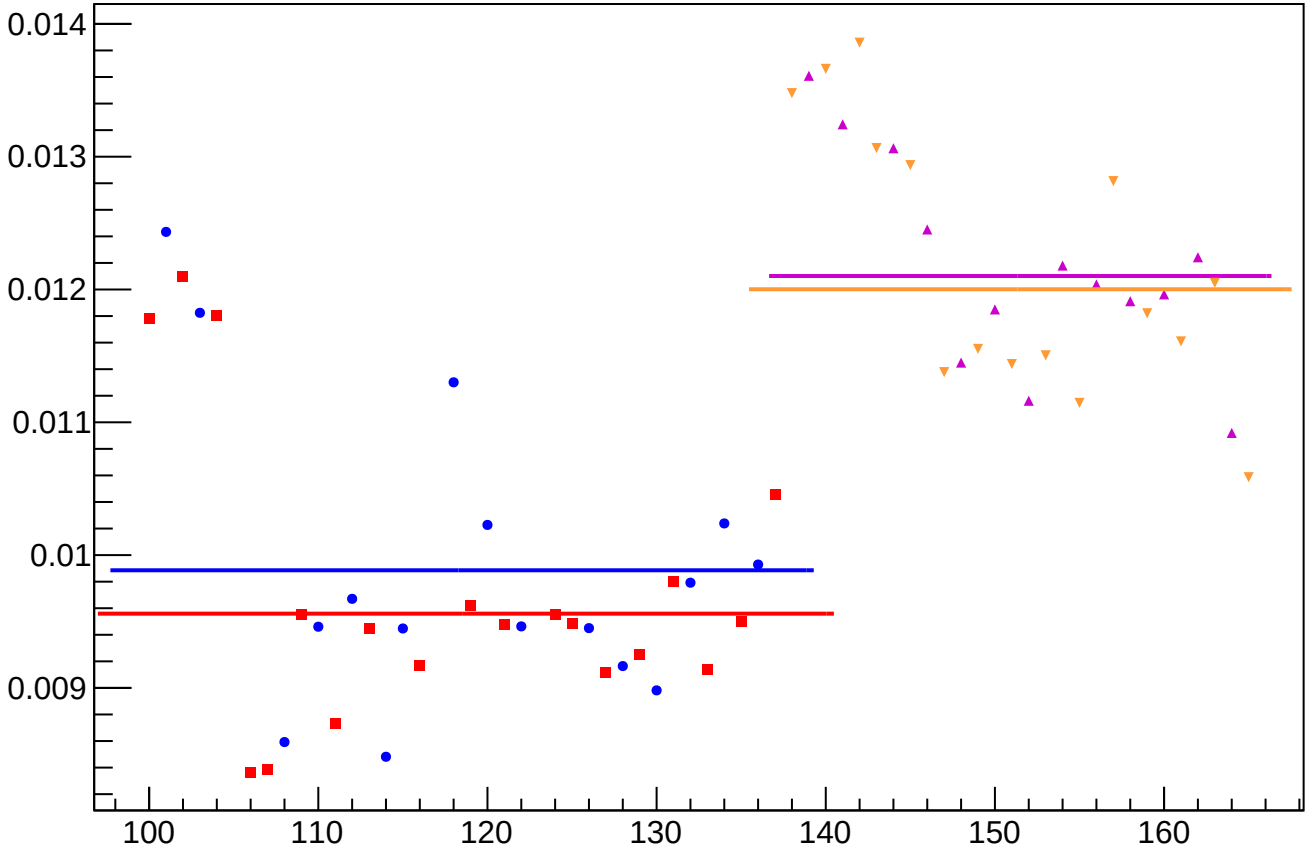
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.041+/-0.000 χ^2/NDF:9380116860.5/28

Out: 0.016+/-0.000 χ^2/NDF:12986708905.6/33

All: 0.028+/-0.000 χ^2/NDF: 22410900274.7/6

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:124647.7/14

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:74399.9/12

Left: 0.012+/-0.000 χ^2/NDF: 199779.2/27

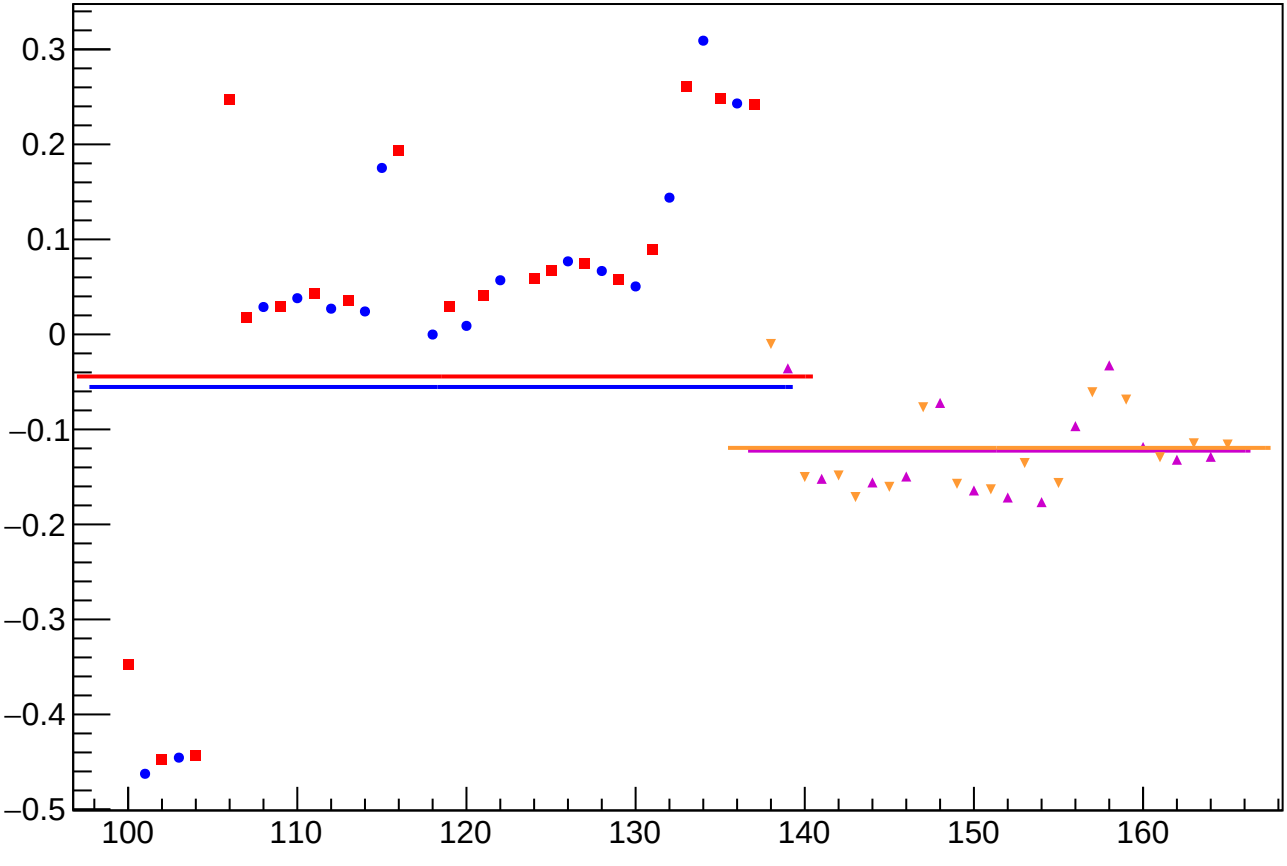
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:567881.9/28

Out: 0.011+/-0.000 χ^2/NDF:724890.4/33

All: 0.011+/-0.000 χ^2/NDF: 1300592.1/62

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.119+/-0.000 χ^2/NDF:2711965170.8/14

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.122+/-0.000 χ^2/NDF:2738486736.5/12

Left: -0.121+/-0.000 χ^2/NDF: 5455731618.7/27

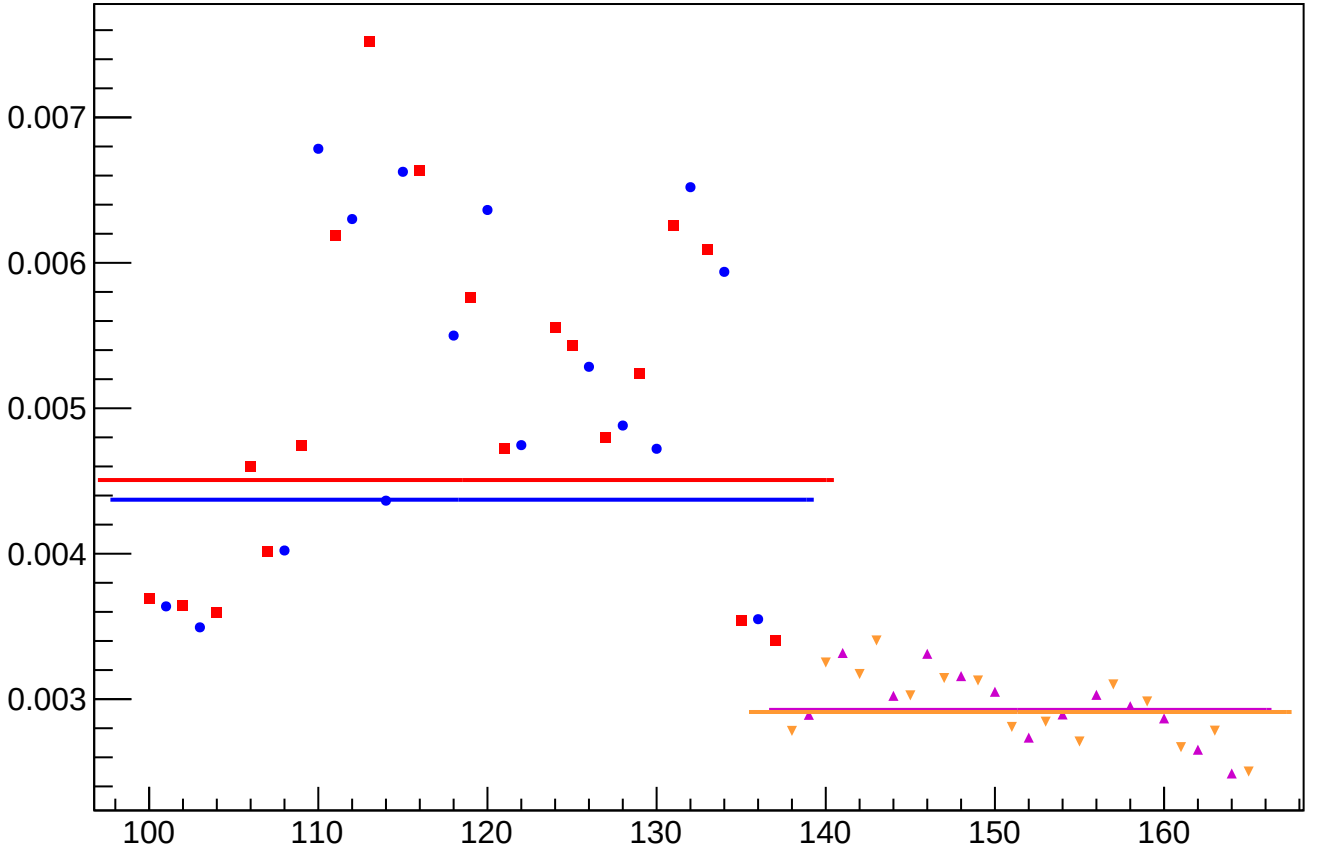
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.108+/-0.000 χ^2/NDF:27954228413.7/28

Out: -0.105+/-0.000 χ^2/NDF:26282011057.3/33

All: -0.107+/-0.000 χ^2/NDF: 54245395808.0/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:141349.9/14

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:121296.2/12

Left: 0.003+/-0.000 χ^2/NDF: 262911.2/27

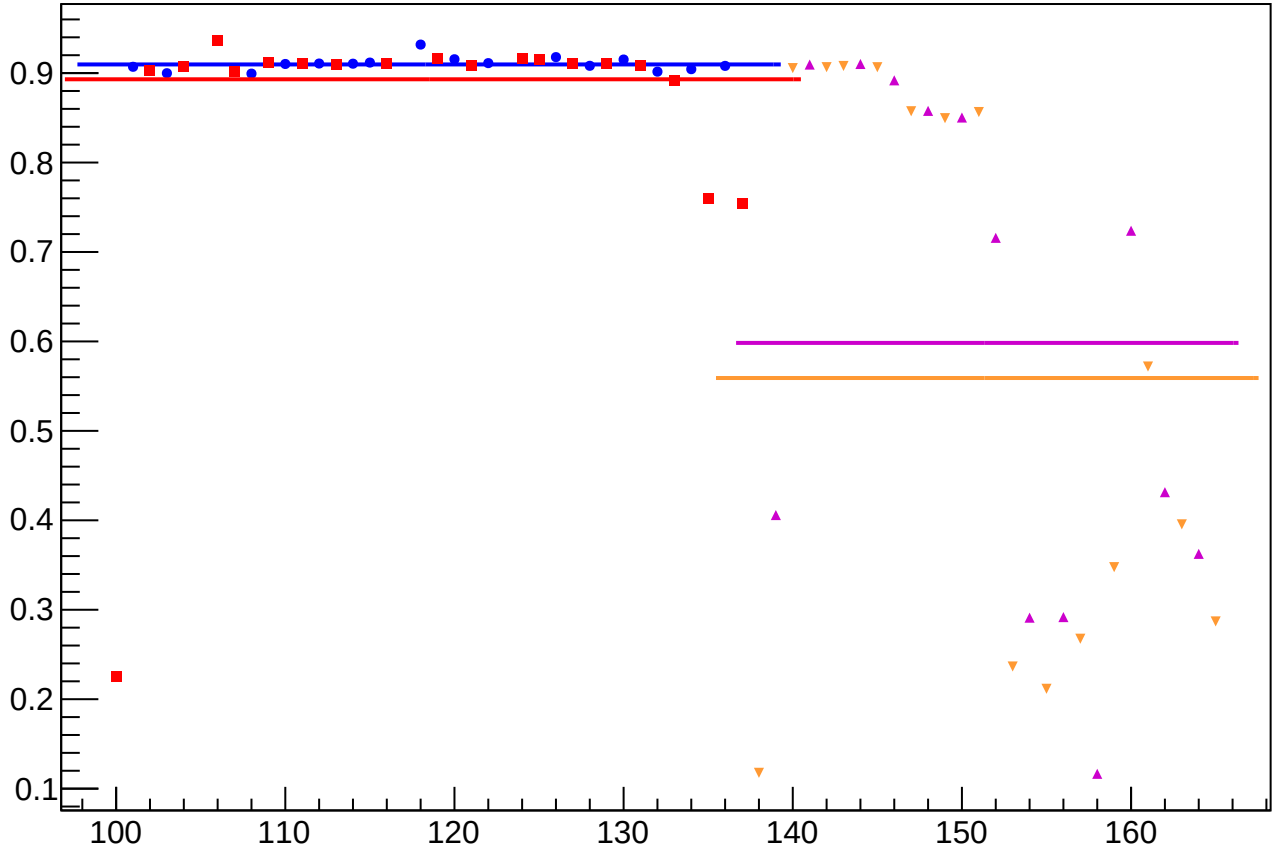
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1836509.2/28

Out: 0.003+/-0.000 χ^2/NDF:2137435.5/33

All: 0.003+/-0.000 χ^2/NDF: 3974058.0/62

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.559+/-0.000 χ^2/NDF:7208754223.4/14

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.598+/-0.000 χ^2/NDF:5703541805.9/12

Left: 0.578+/-0.000 χ^2/NDF: 12972319576.8/27

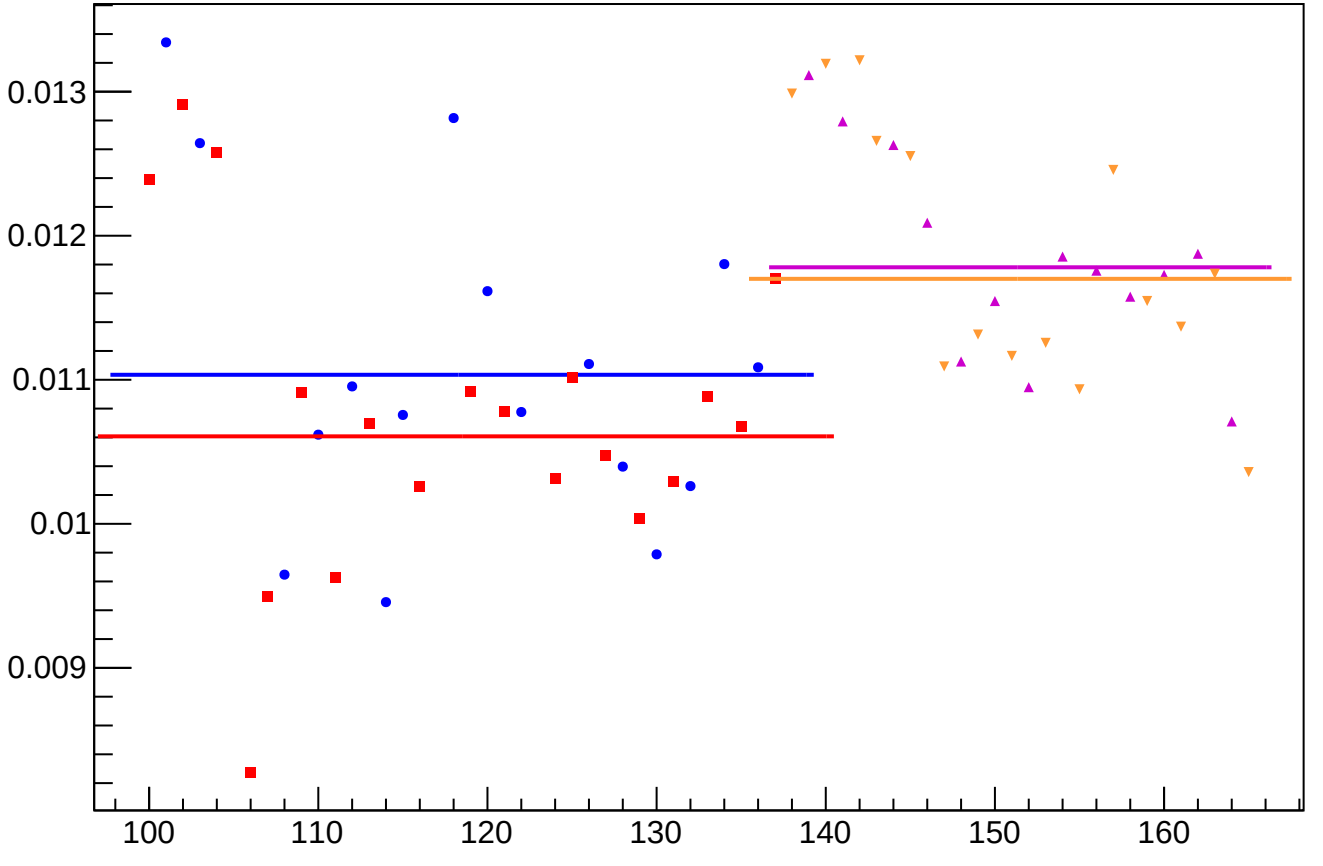
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.732+/-0.000 χ^2/NDF:8822344258.5/28

Out: 0.706+/-0.000 χ^2/NDF:11534111106.8/33

All: 0.719+/-0.000 χ^2/NDF: 20403300147.0/6

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:108113.3/14

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:64071.1/12

Left: 0.012+/-0.000 χ^2/NDF: 172685.2/27

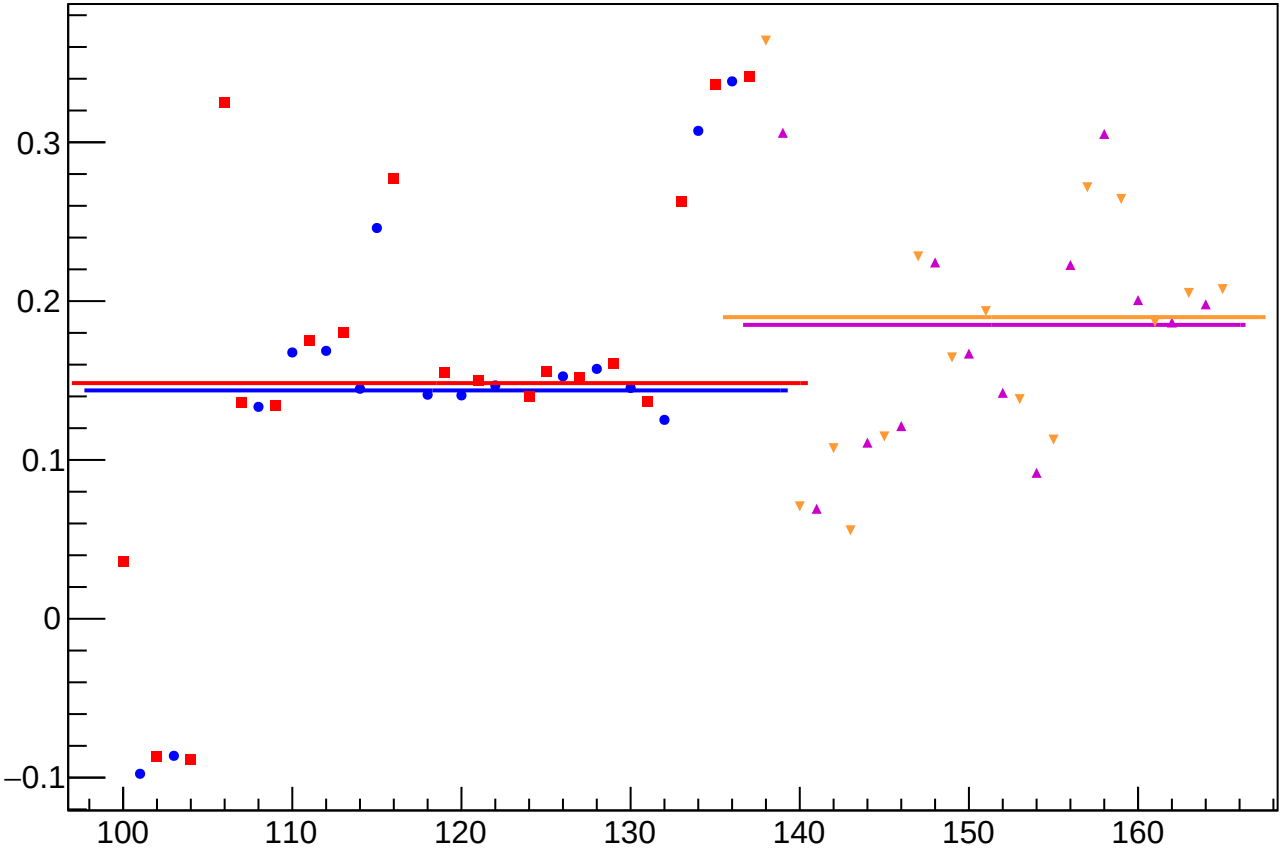
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:230223.4/28

Out: 0.011+/-0.000 χ^2/NDF:337750.2/33

All: 0.011+/-0.000 χ^2/NDF: 575967.1/62

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.190+/-0.000 χ^2/NDF:5900097154.3/14

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.185+/-0.000 χ^2/NDF:4403906918.7/12

Left: 0.188+/-0.000 χ^2/NDF: 10315644168.4/27

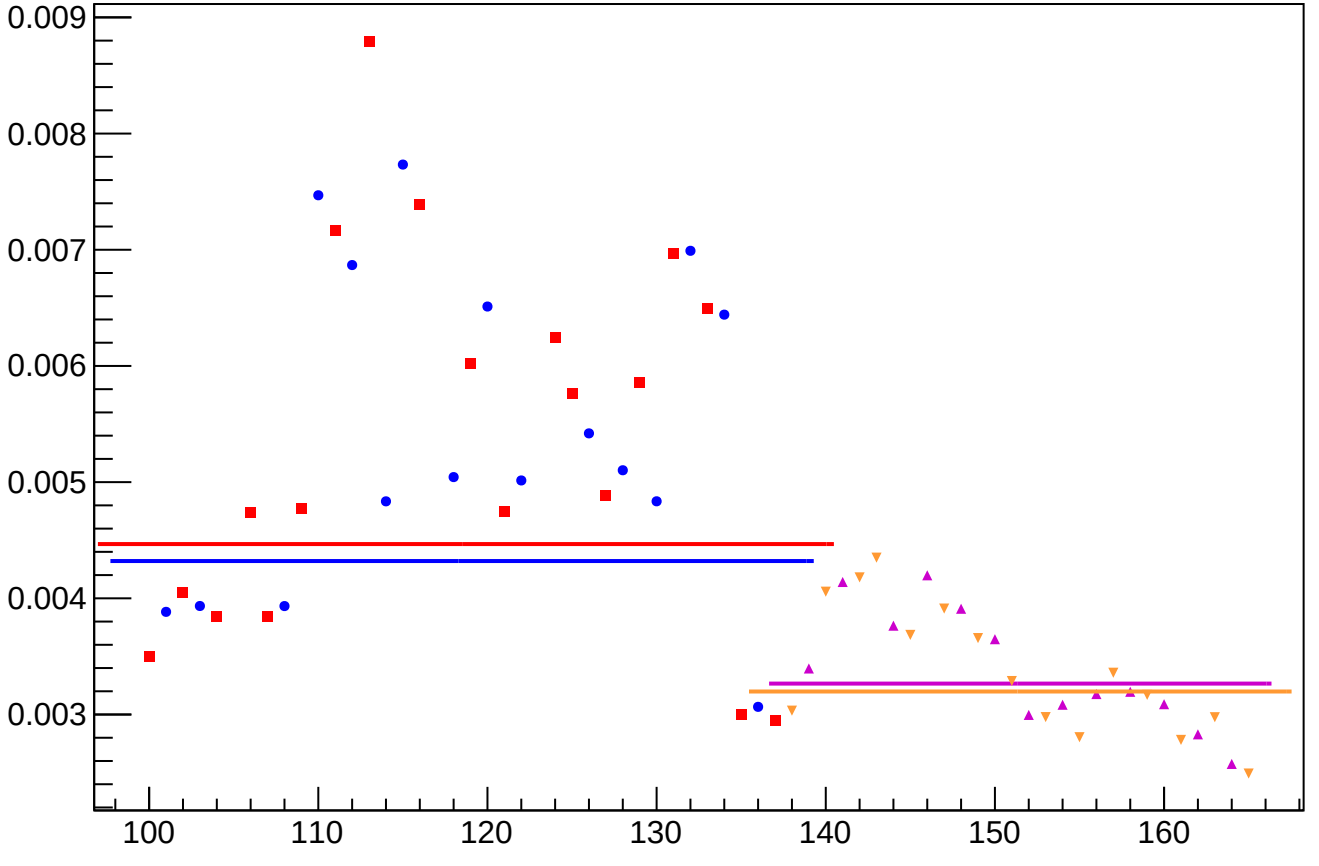
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.175+/-0.000 χ^2/NDF:12663610535.9/28

Out: 0.181+/-0.000 χ^2/NDF:13427708261.6/33

All: 0.178+/-0.000 χ^2/NDF: 26113578194.5/6

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:492772.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:379257.5/12

Left: 0.003+/-0.000 χ^2/NDF: 876574.0/27

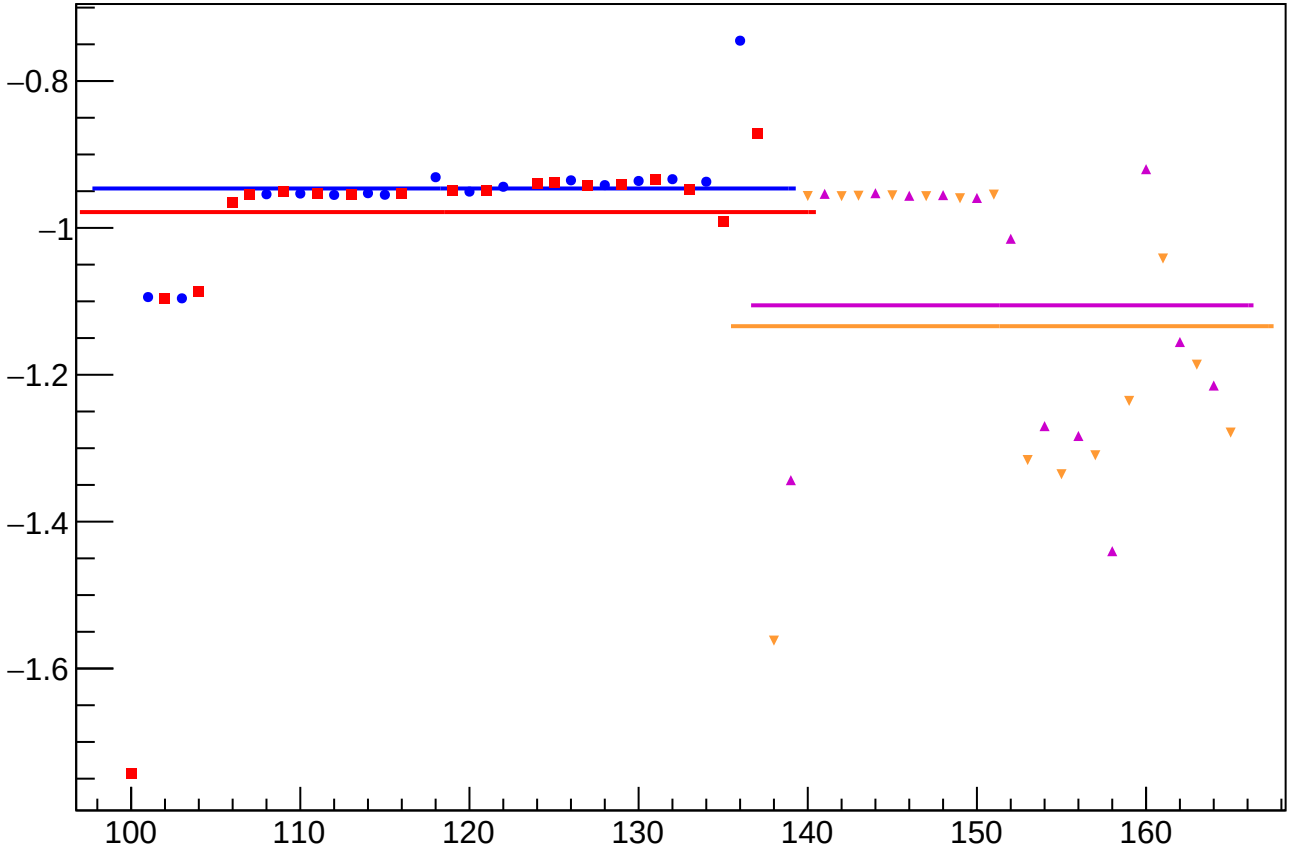
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1770409.1/28

Out: 0.003+/-0.000 χ^2/NDF:2323471.6/33

All: 0.004+/-0.000 χ^2/NDF: 4096835.3/62

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.134+/-0.000 χ^2/NDF:3536256709.7/14

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.105+/-0.000 χ^2/NDF:2909341666.3/12

Left: -1.120+/-0.000 χ^2/NDF: 6485516189.6/27

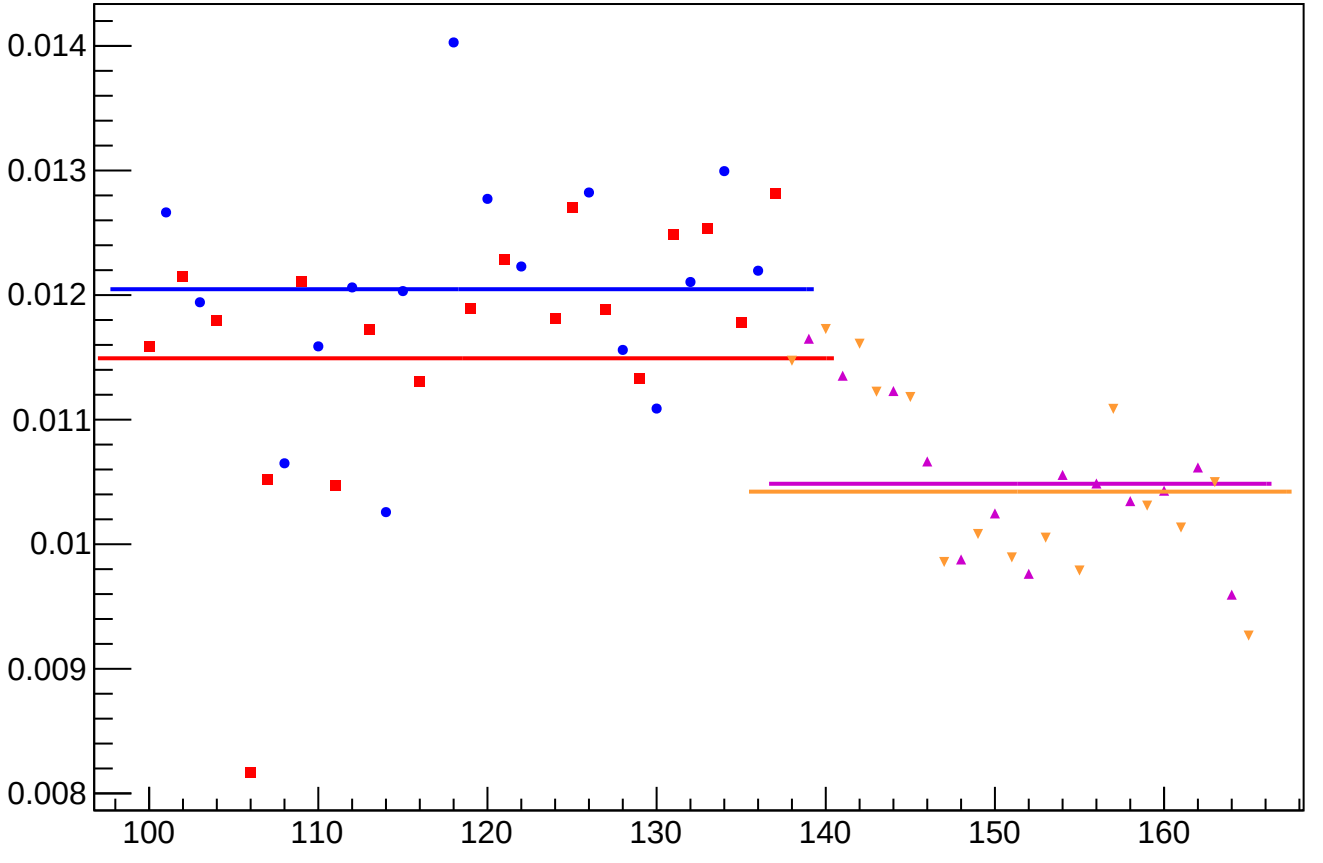
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.052+/-0.000 χ^2/NDF:4113522432.9/28

Out: -1.080+/-0.000 χ^2/NDF:4855278809.6/33

All: -1.067+/-0.000 χ^2/NDF: 9026596576.9/6

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:101070.5/14

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:60951.9/12

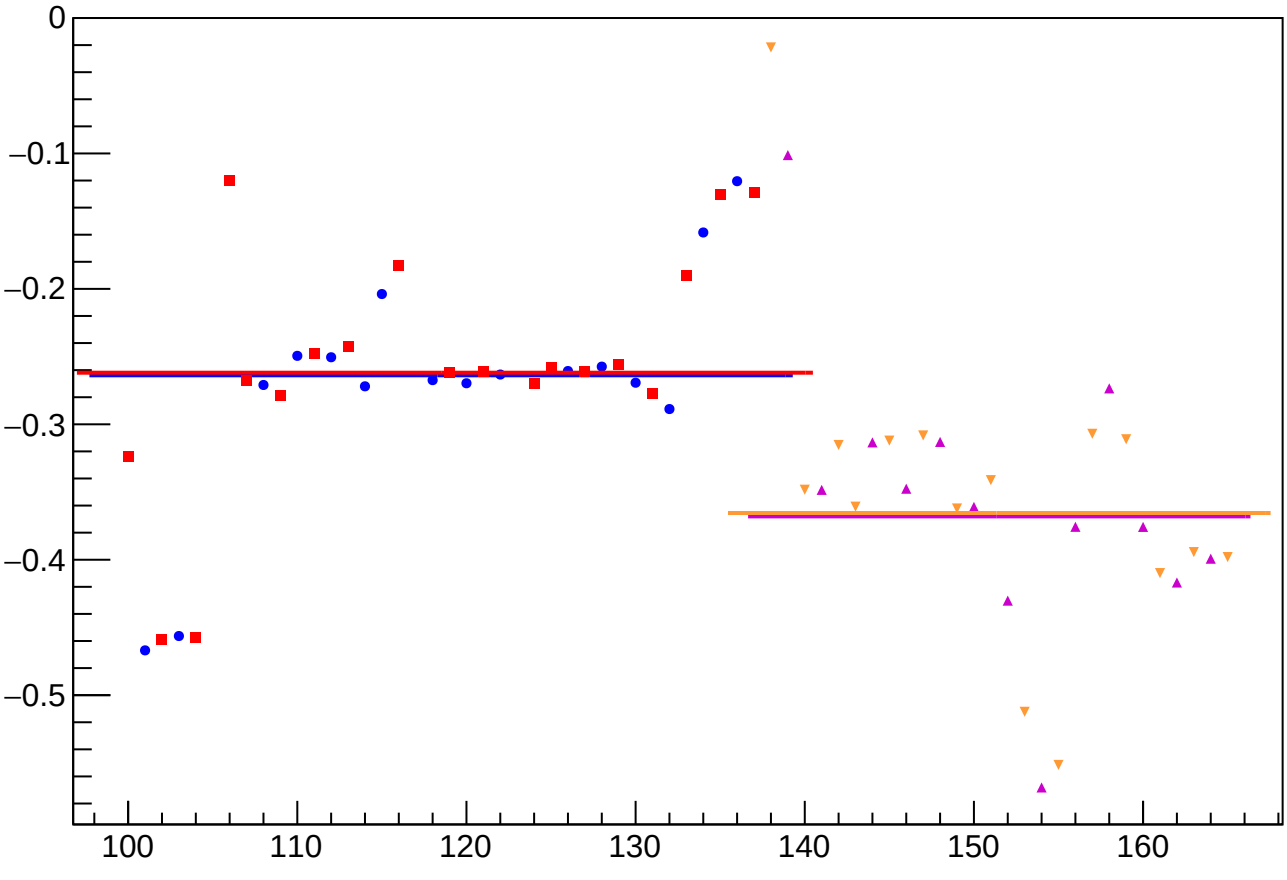
Left: 0.010+/-0.000 χ^2/NDF: 162416.8/27

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

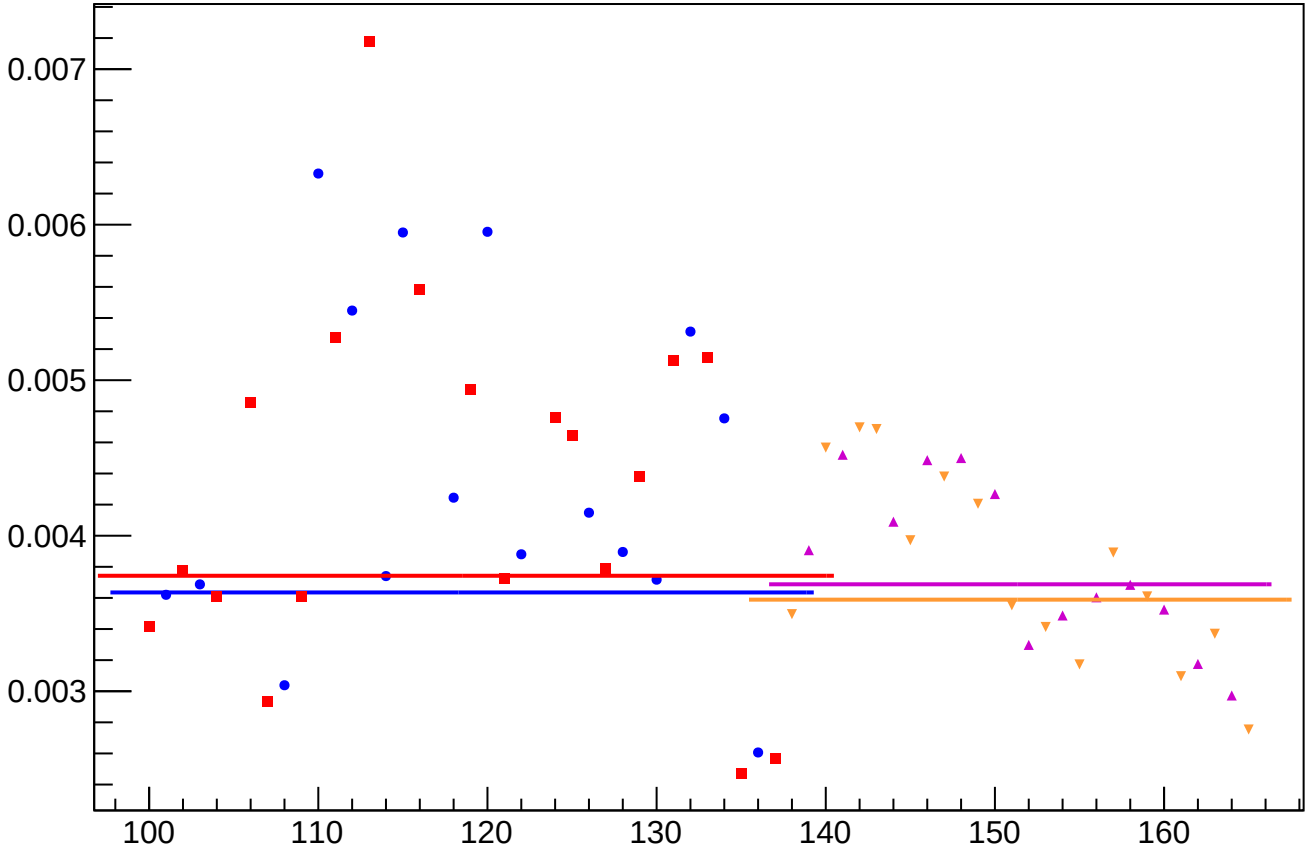
In: 0.011+/-0.000 χ^2/NDF:277512.1/28

Out: 0.011+/-0.000 χ^2/NDF:333794.6/33

All: 0.011+/-0.000 χ^2/NDF: 618148.1/62


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
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.365+/-0.000 χ²/NDF:11658269426.1/14
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.368+/-0.000 χ²/NDF:7543388795.1/12
Left: -0.367+/-0.000 χ²/NDF: 19204079217.6/27
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.328+/-0.000 χ²/NDF:16591750264.6/28
Out: -0.330+/-0.000 χ²/NDF:19925066281.5/33
All: -0.329+/-0.000 χ²/NDF: 36517606825.3/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:470139.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:333822.8/12

Left: 0.004+/-0.000 χ^2/NDF: 811378.4/27

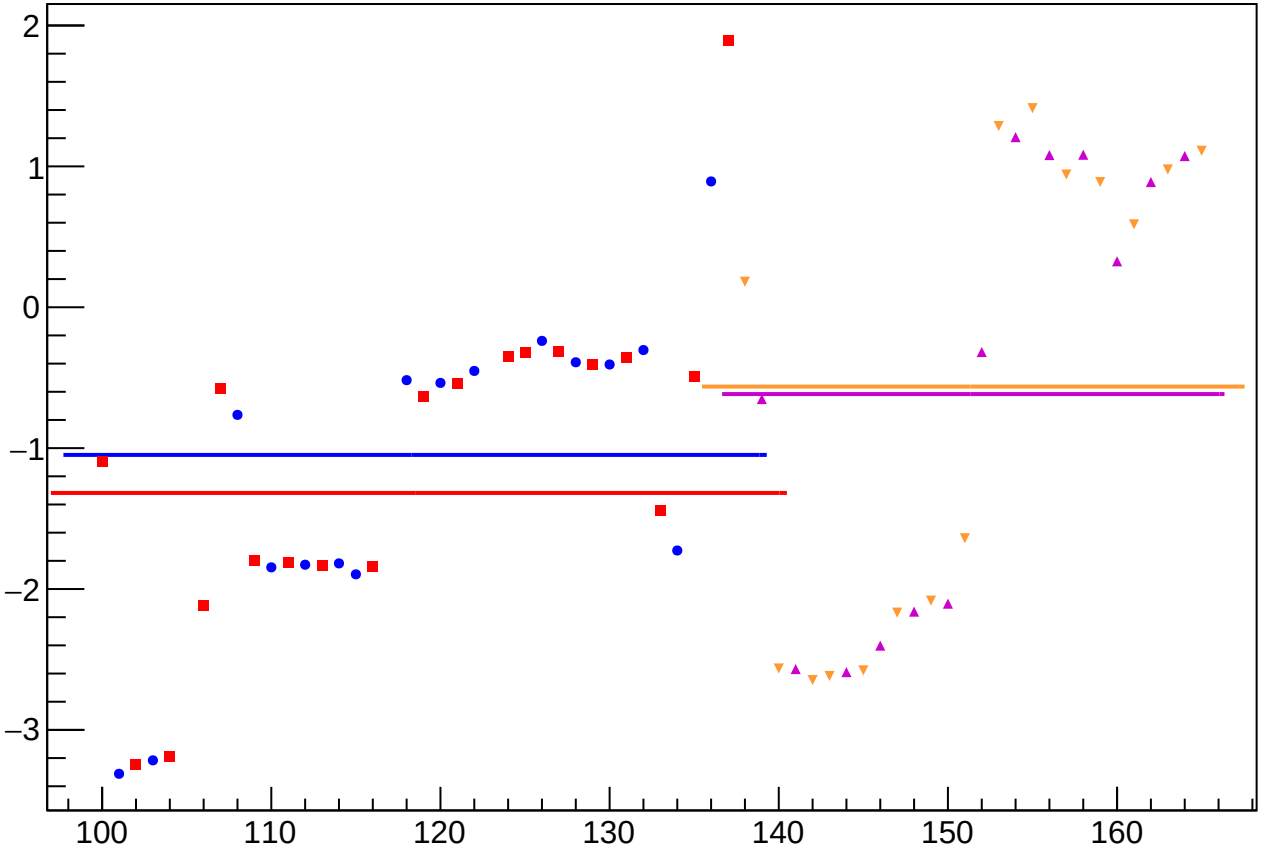
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1063910.3/28

Out: 0.004+/-0.000 χ^2/NDF:1377592.5/33

All: 0.004+/-0.000 χ^2/NDF: 2442294.9/62

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.563+/-0.000 χ^2/NDF:5482126473.9/14

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.616+/-0.000 χ^2/NDF:4421241598.5/12

Left: -0.588+/-0.000 χ^2/NDF: 9906126970.0/27

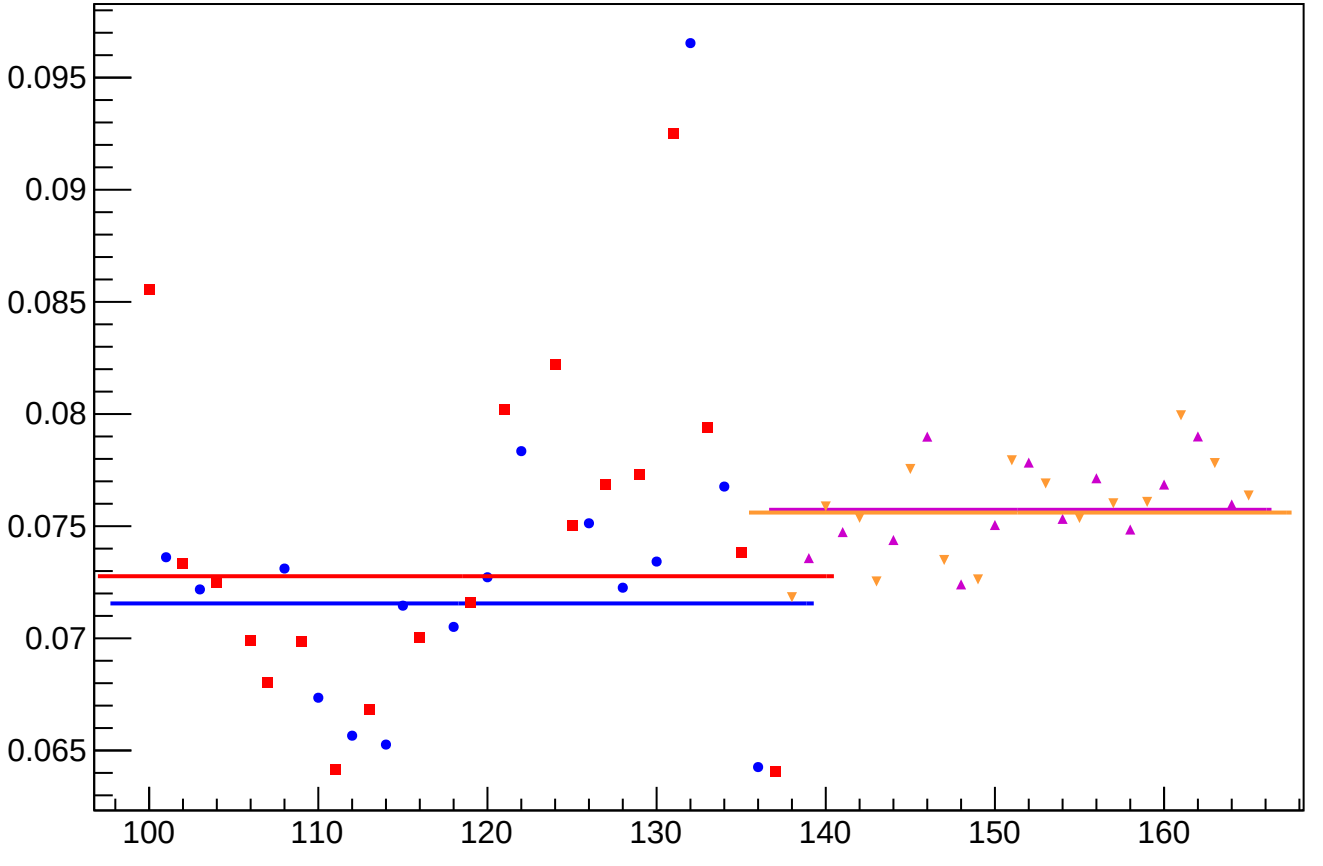
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.799+/-0.000 χ^2/NDF:6915704727.6/28

Out: -0.867+/-0.000 χ^2/NDF:7796794483.6/33

All: -0.834+/-0.000 χ^2/NDF: 14720334063.3/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.076+/-0.000 χ^2/NDF:20580.3/14

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:13892.3/12

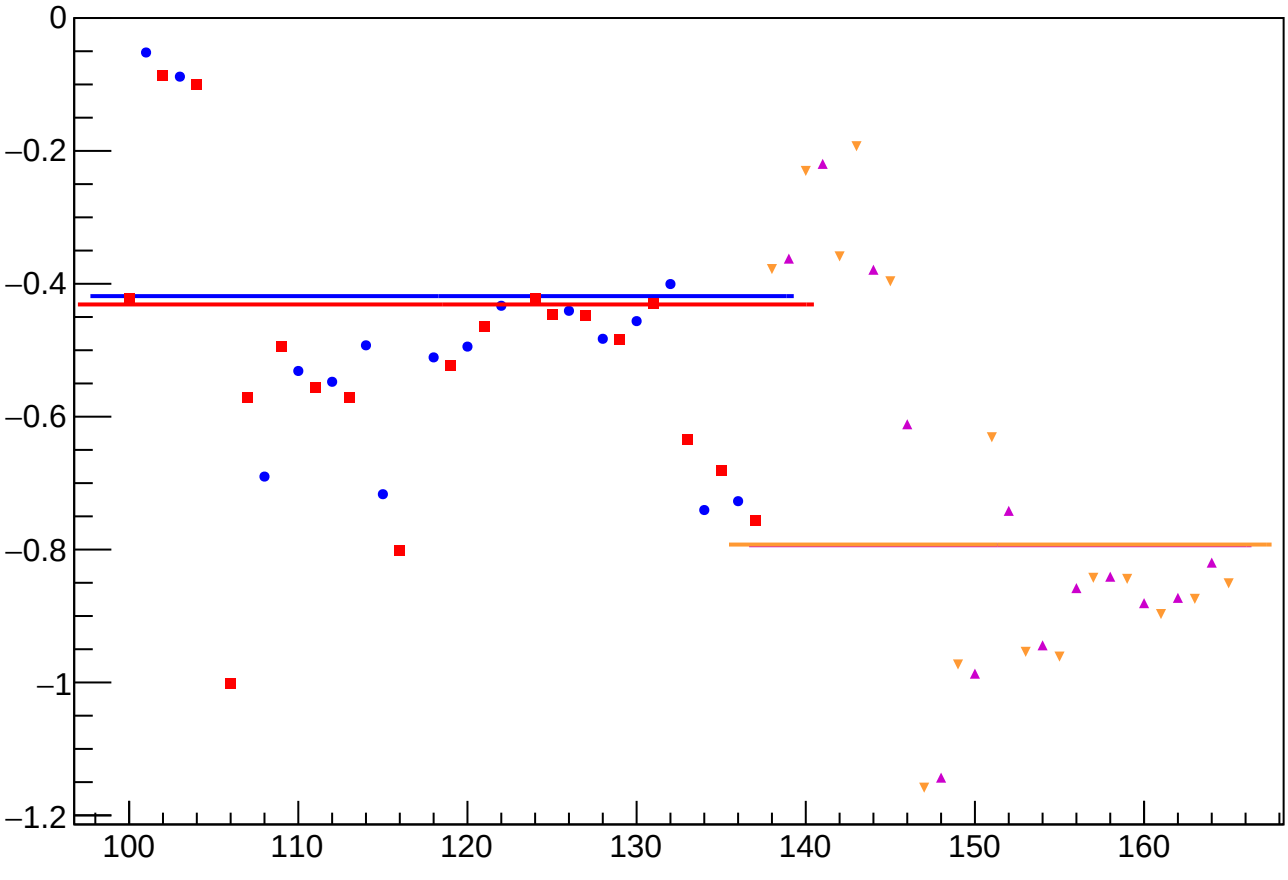
Left: 0.076+/-0.000 χ^2/NDF: 34502.0/27

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:142683.6/28

Out: 0.074+/-0.000 χ^2/NDF:130643.4/33

All: 0.074+/-0.000 χ^2/NDF: 274146.0/62



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.792+/-0.000 χ^2/NDF:13897466207.1/14

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.793+/-0.000 χ^2/NDF:10432432838.5/12

Left: -0.793+/-0.000 χ^2/NDF: 24330026003.9/27

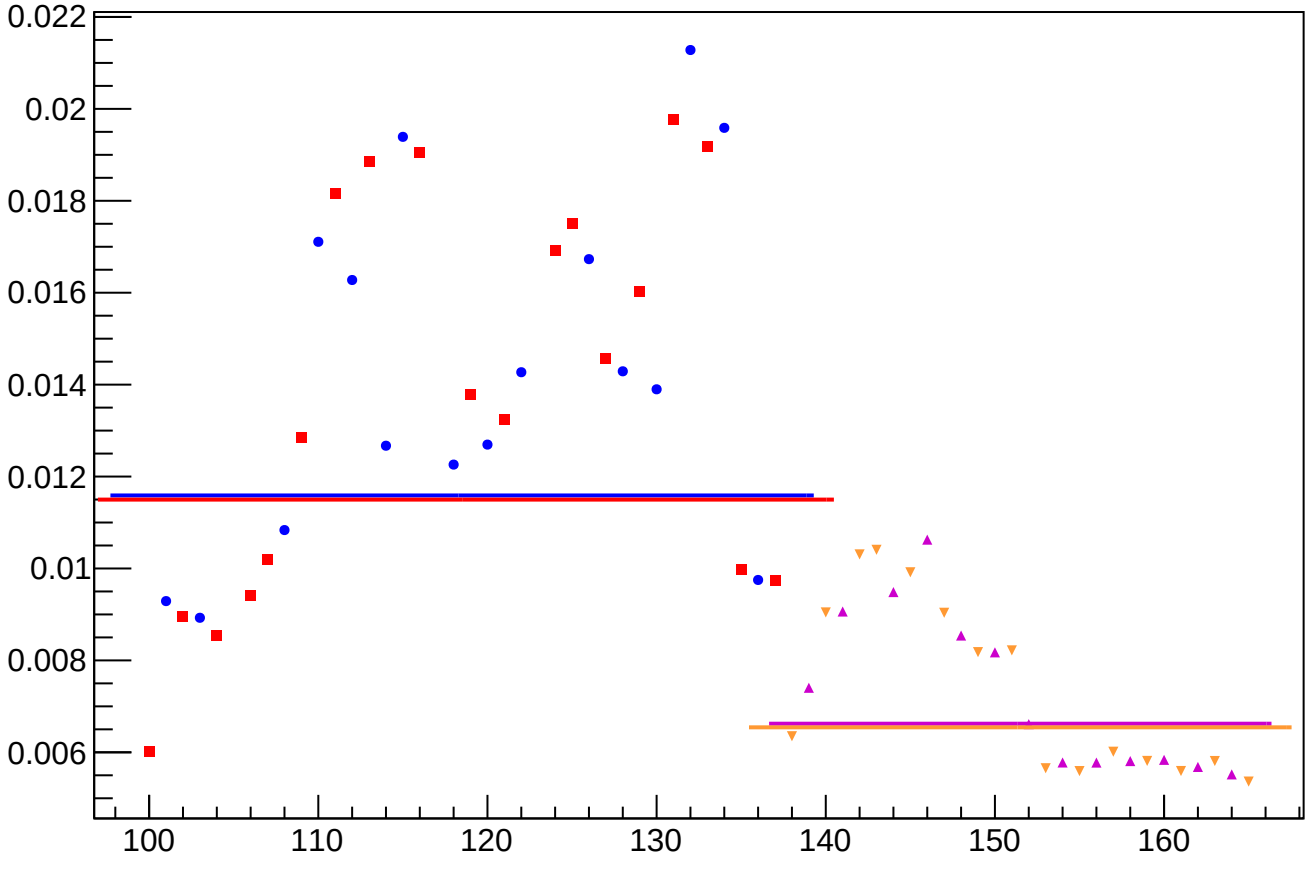
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.732+/-0.000 χ^2/NDF:18713014334.8/28

Out: -0.736+/-0.000 χ^2/NDF:22100623224.5/33

All: -0.734+/-0.000 χ^2/NDF: 40816494630.1/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1078652.7/14

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:853398.1/12

Left: 0.007+/-0.000 χ^2/NDF: 1933512.4/27

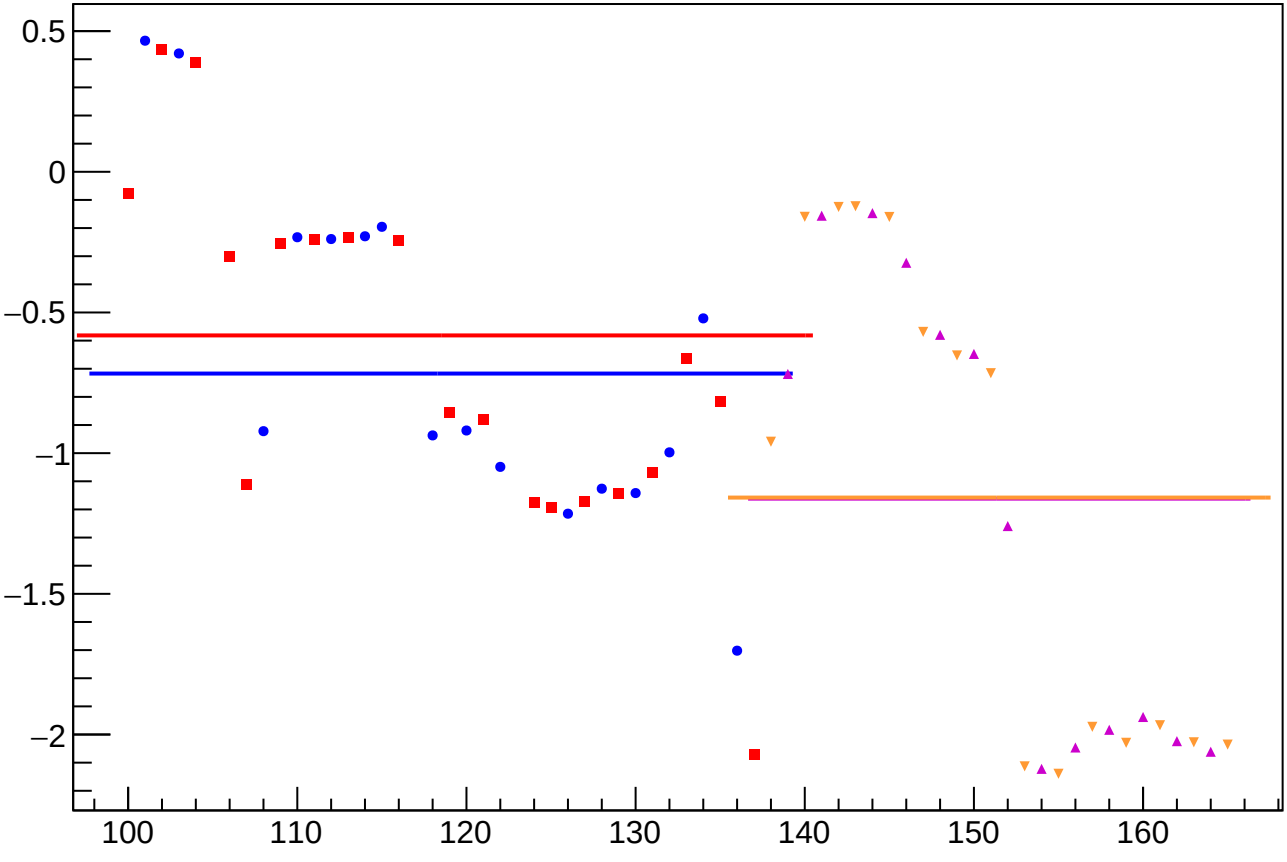
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3467153.2/28

Out: 0.007+/-0.000 χ^2/NDF:4126075.2/33

All: 0.007+/-0.000 χ^2/NDF: 7597684.4/62

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.158+/-0.000 χ^2/NDF:1073207544.3/14

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.162+/-0.000 χ^2/NDF:903677600.4/12

Left: -1.160+/-0.000 χ^2/NDF: 1976895906.9/27

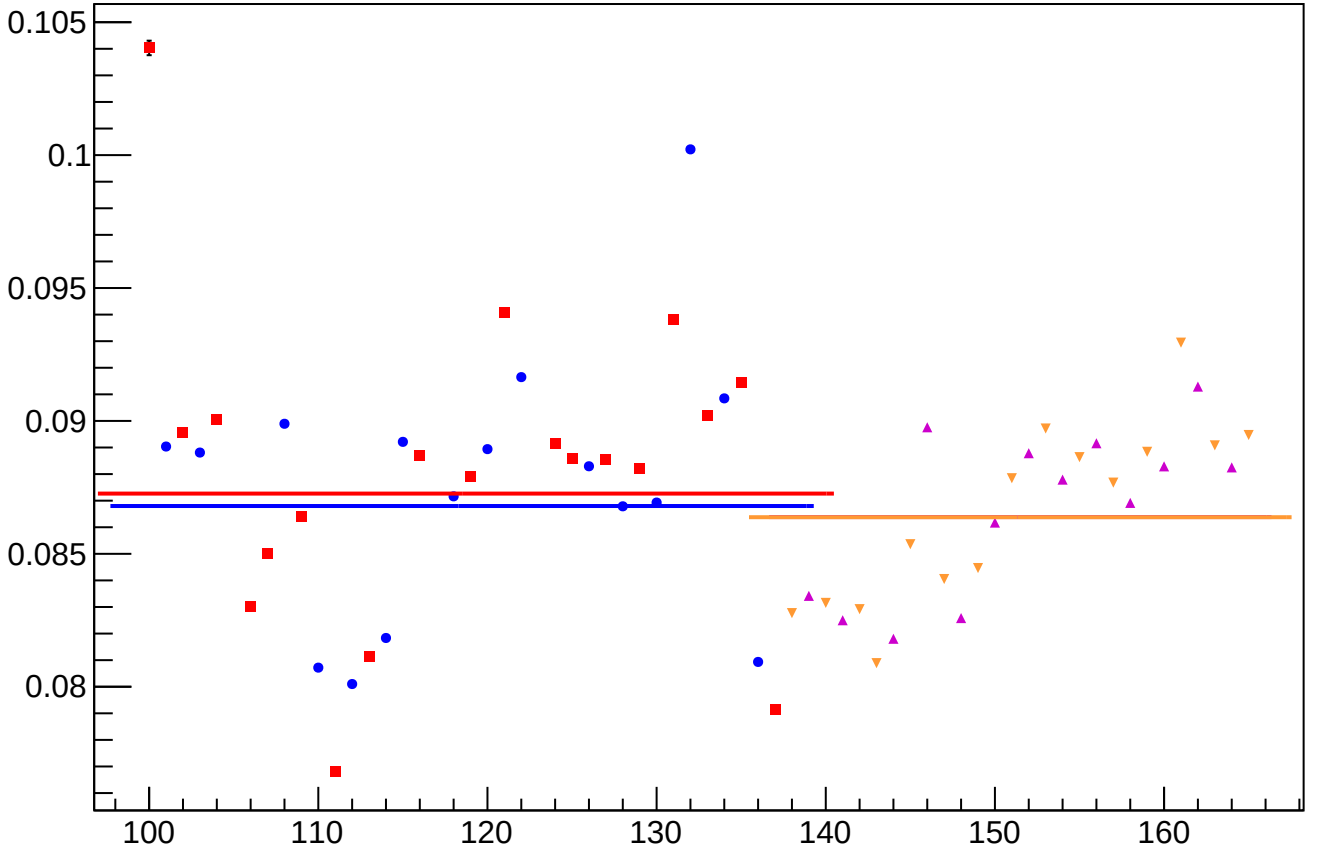
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.986+/-0.000 χ^2/NDF:1454854728.2/28

Out: -0.937+/-0.000 χ^2/NDF:1615513700.4/33

All: -0.961+/-0.000 χ^2/NDF: 3073325248.0/6

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:33352.4/14

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:26898.5/12

Left: 0.086+/-0.000 χ^2/NDF: 60251.0/27

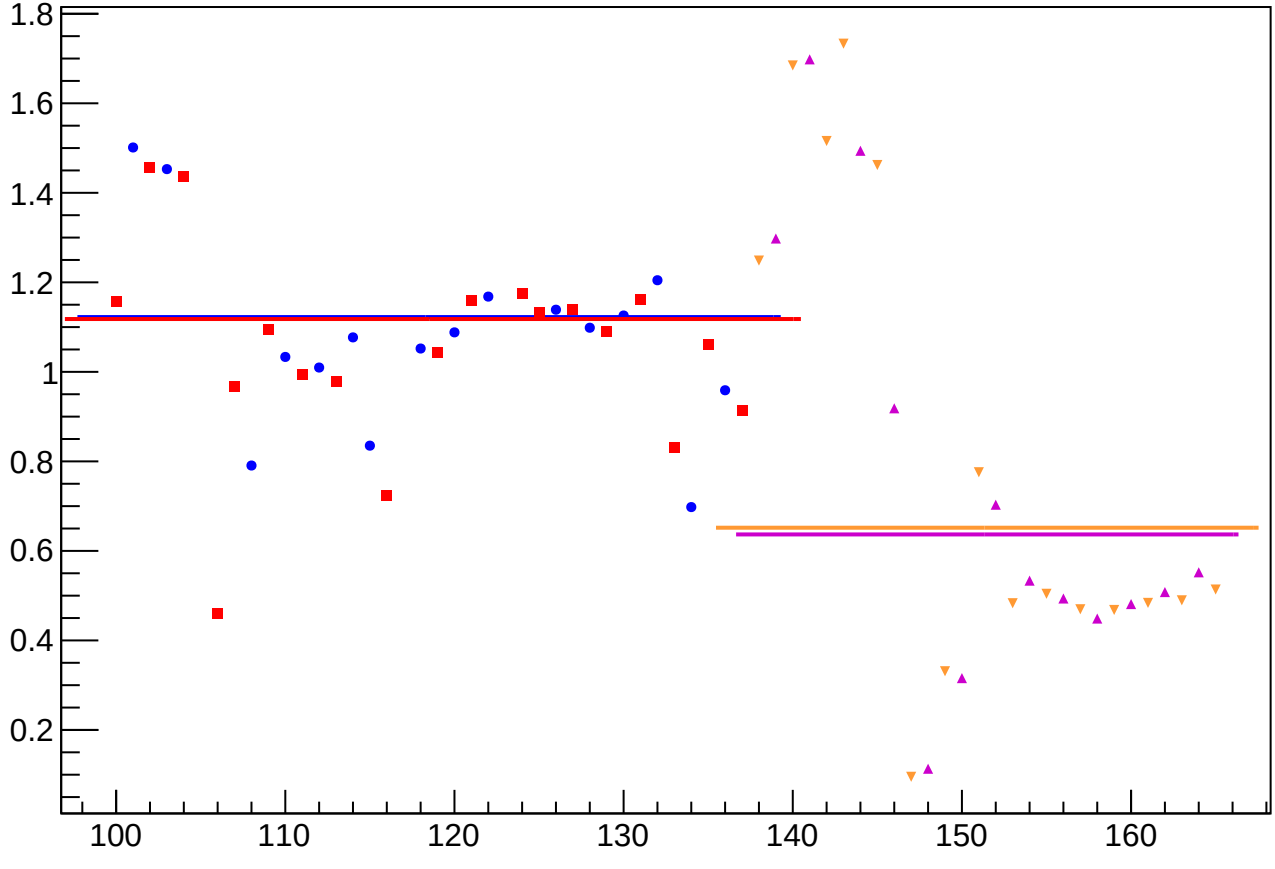
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:70672.6/28

Out: 0.087+/-0.000 χ^2/NDF:80468.9/33

All: 0.087+/-0.000 χ^2/NDF: 151213.3/62

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.652+/-0.000 χ^2/NDF:28070985831.0/14

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.637+/-0.000 χ^2/NDF:21783941220.1/12

Left: 0.645+/-0.000 χ^2/NDF: 49873783299.4/27

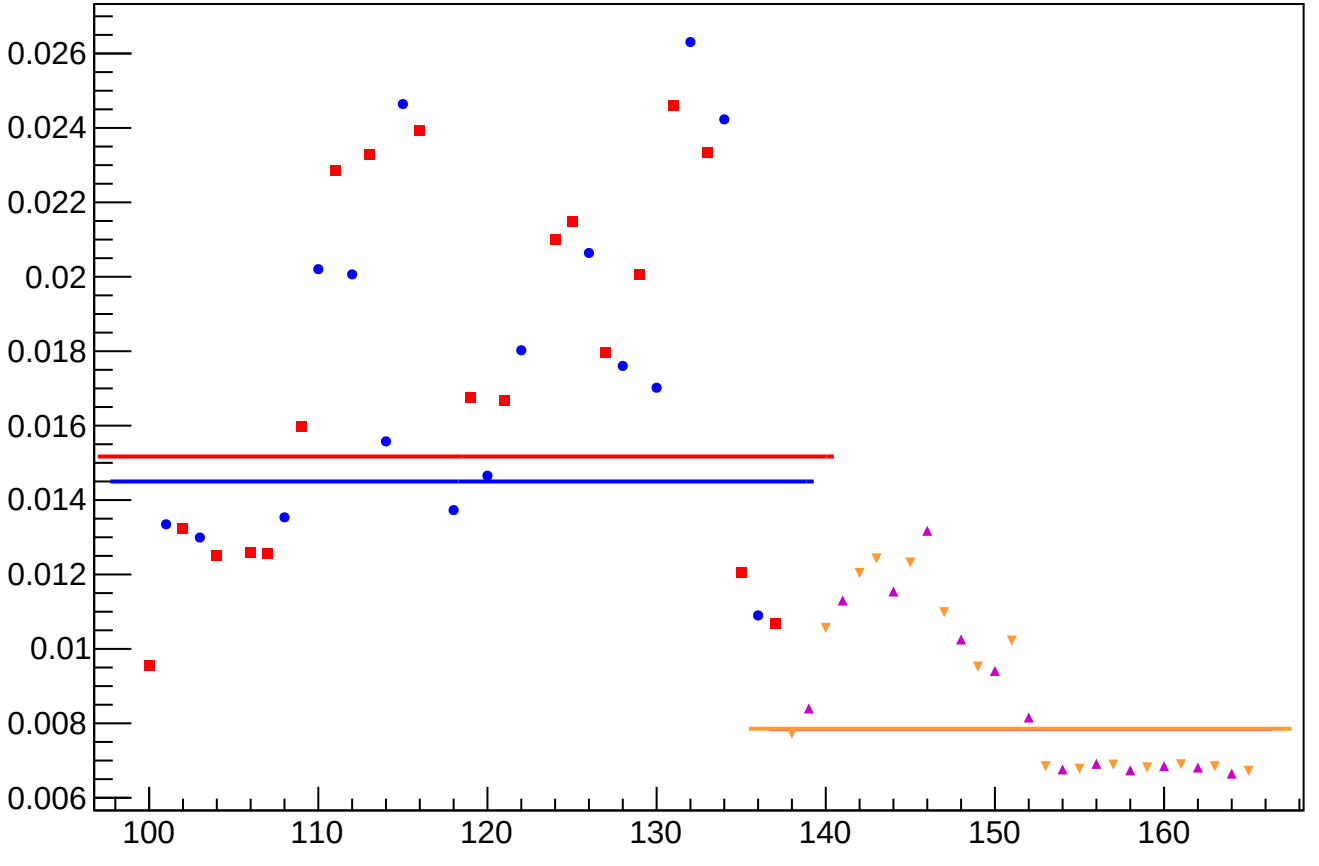
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.710+/-0.000 χ^2/NDF:28932238247.1/28

Out: 0.714+/-0.000 χ^2/NDF:34662926859.0/33

All: 0.712+/-0.000 χ^2/NDF: 63597095827.3/6

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:1082153.1/14

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:932476.2/12

Left: 0.008+/-0.000 χ^2/NDF: 2014645.1/27

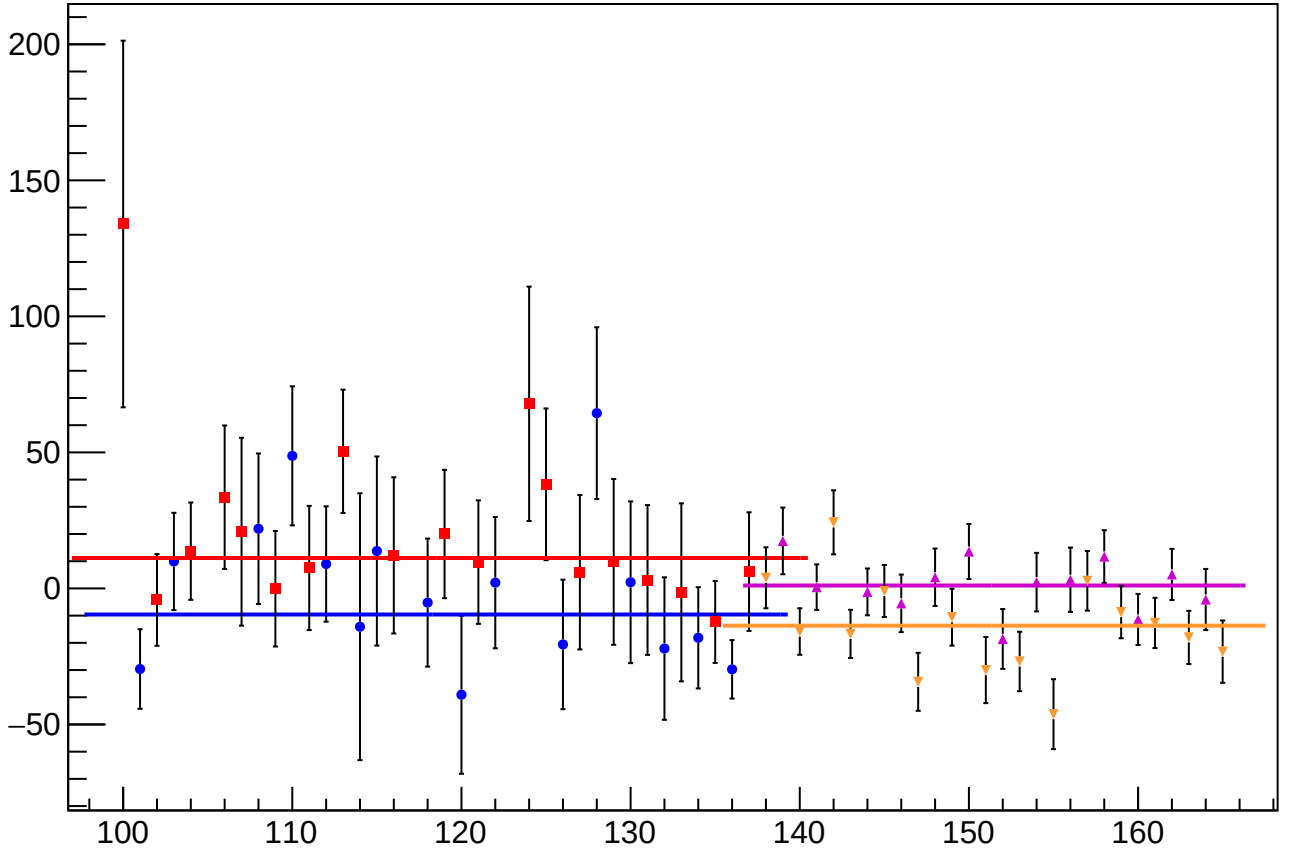
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3781408.4/28

Out: 0.009+/-0.000 χ^2/NDF:4419419.4/33

All: 0.009+/-0.000 χ^2/NDF: 8200854.2/62

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.692+/-2.667 χ^2/NDF:31.8/14

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.071+/-2.801 χ^2/NDF:10.5/12

Left: -6.673+/-1.932 χ^2/NDF: 56.8/27

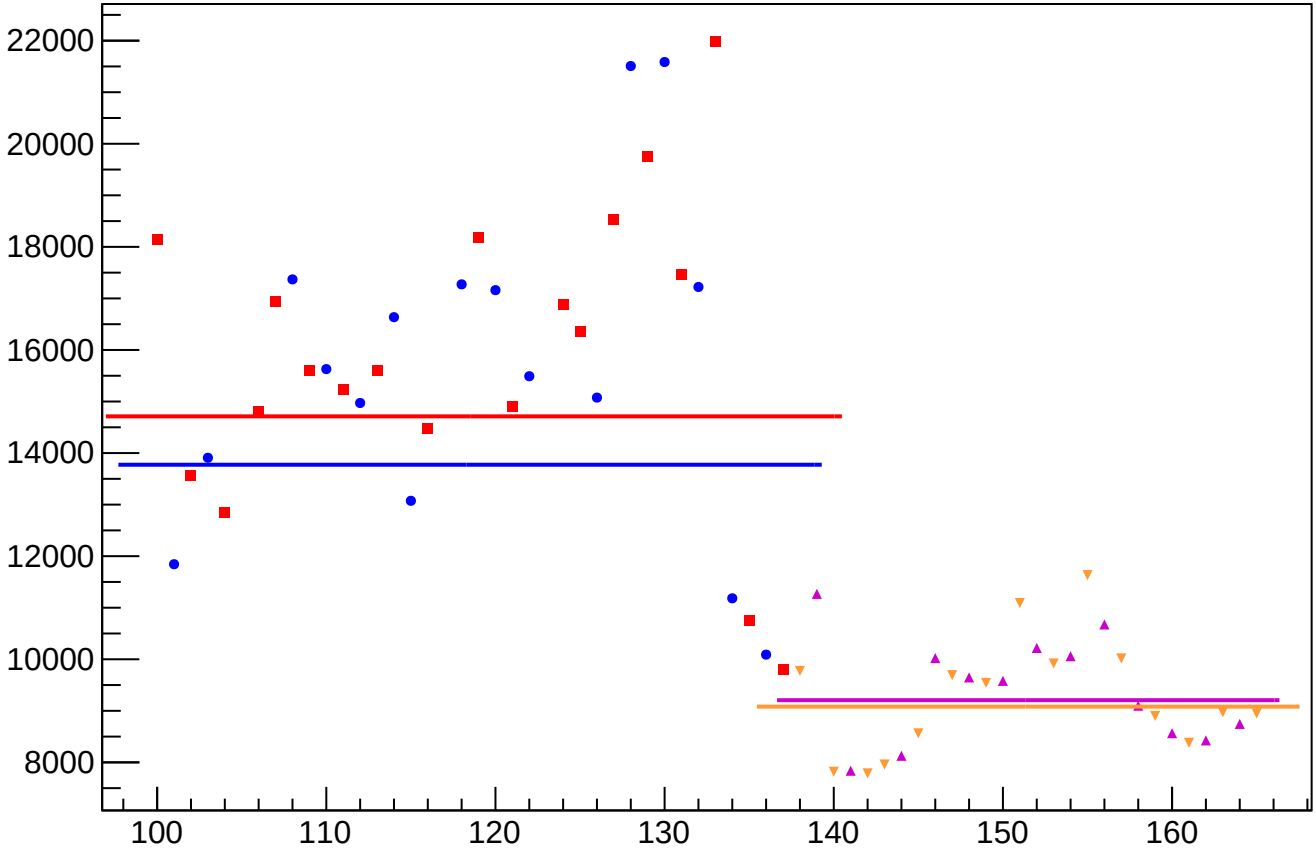
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.262+/-2.476 χ^2/NDF:35.5/28

Out: -8.954+/-2.399 χ^2/NDF:62.2/33

All: -5.228+/-1.723 χ^2/NDF: 102.7/62

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9081.685+/-1.886 χ^2/NDF:296502.8/14

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9206.230+/-1.981 χ^2/NDF:246812.2/12

Left: 9140.897+/-1.366 χ^2/NDF: 545388.6/27

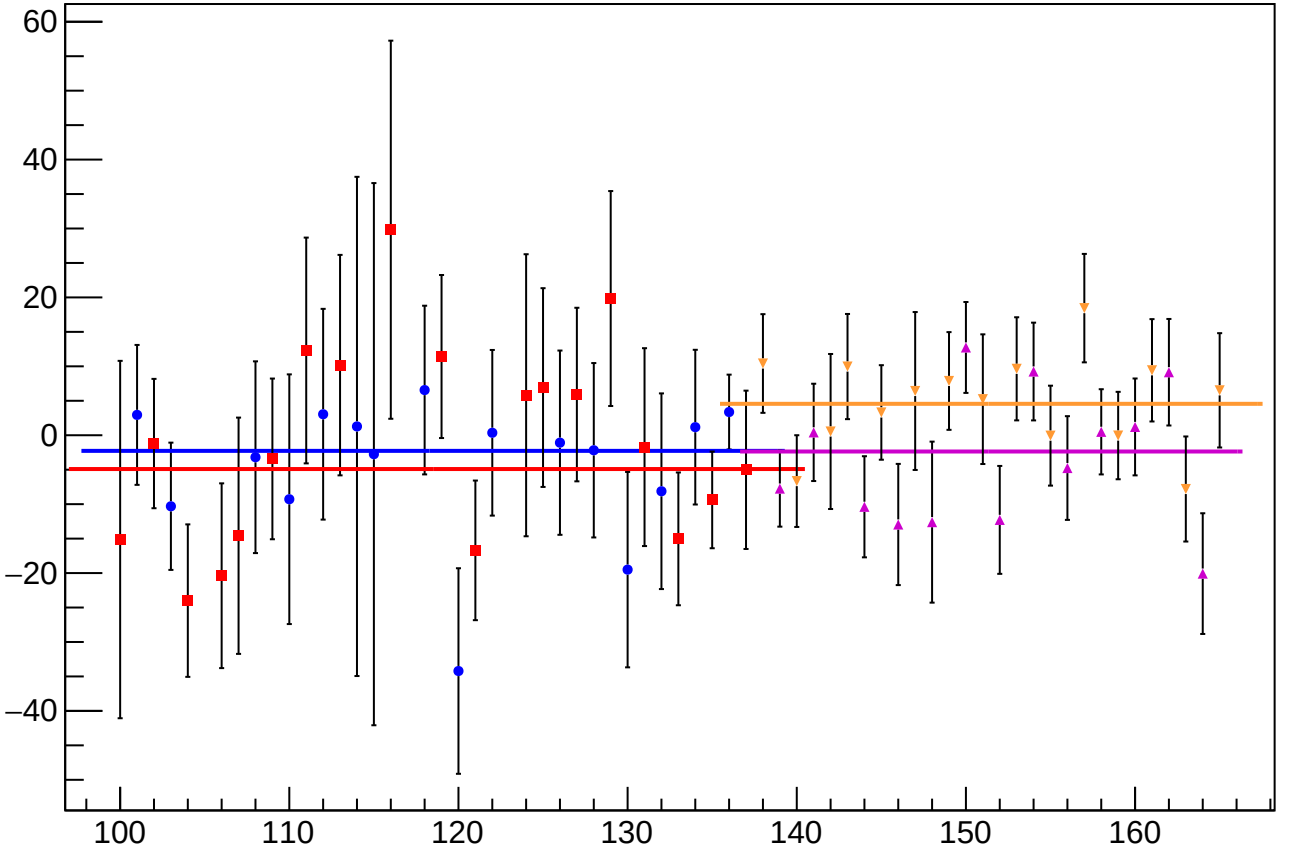
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10206.451+/-1.751 χ^2/NDF:2158673.5/28

Out: 10154.466+/-1.697 χ^2/NDF:2552245.7/33

All: 10179.645+/-1.218 χ^2/NDF: 4711373.8/6

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.559+/-1.980 χ^2/NDF:12.0/14

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.360+/-2.021 χ^2/NDF:20.9/12

Left: 1.171+/-1.415 χ^2/NDF: 38.9/27

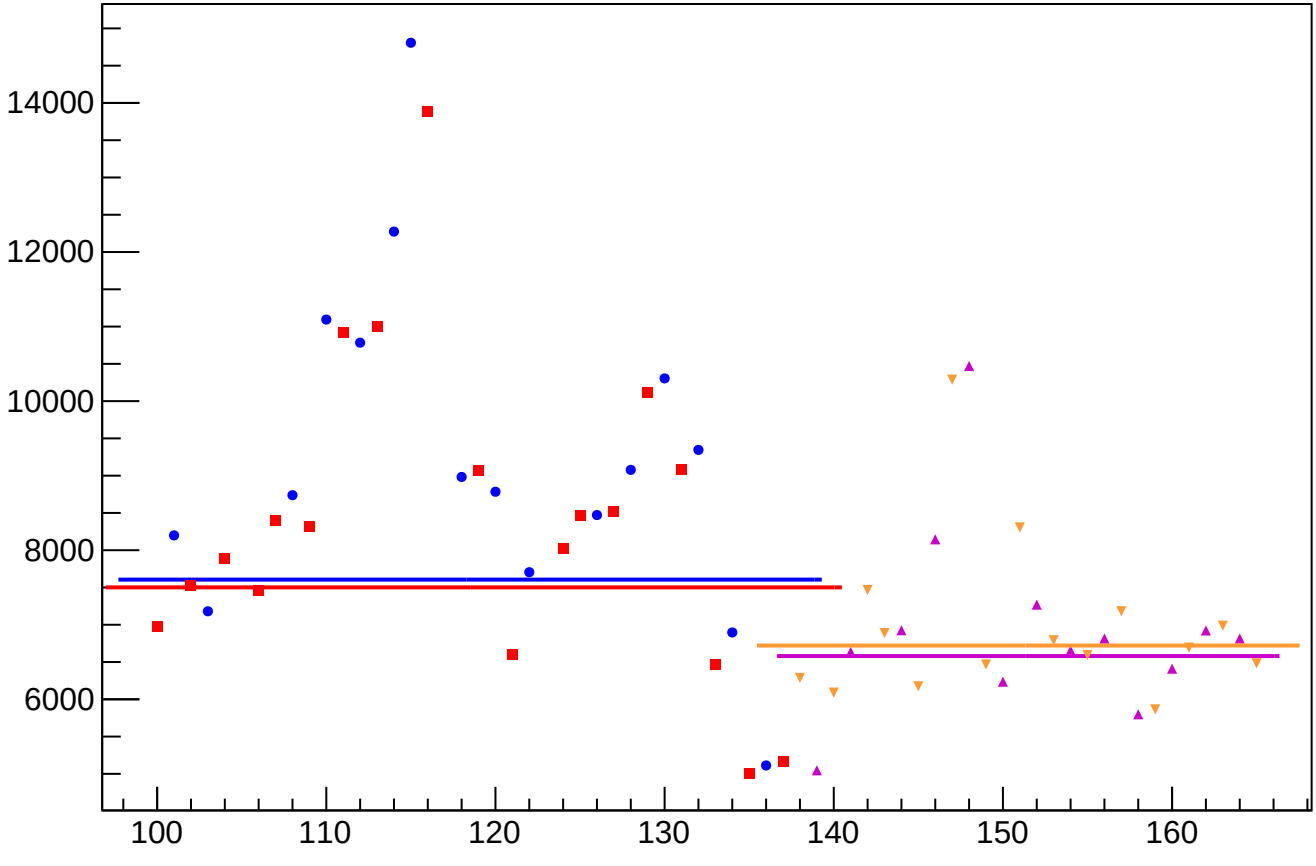
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.330+/-1.662 χ^2/NDF:30.2/28

Out: 1.457+/-1.624 χ^2/NDF:37.1/33

All: -0.392+/-1.162 χ^2/NDF: 70.0/62

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6721.281+/-1.400 χ^2/NDF:349155.8/14

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6580.178+/-1.429 χ^2/NDF:505602.1/12

Left: 6652.180+/-1.000 χ^2/NDF: 859730.3/27

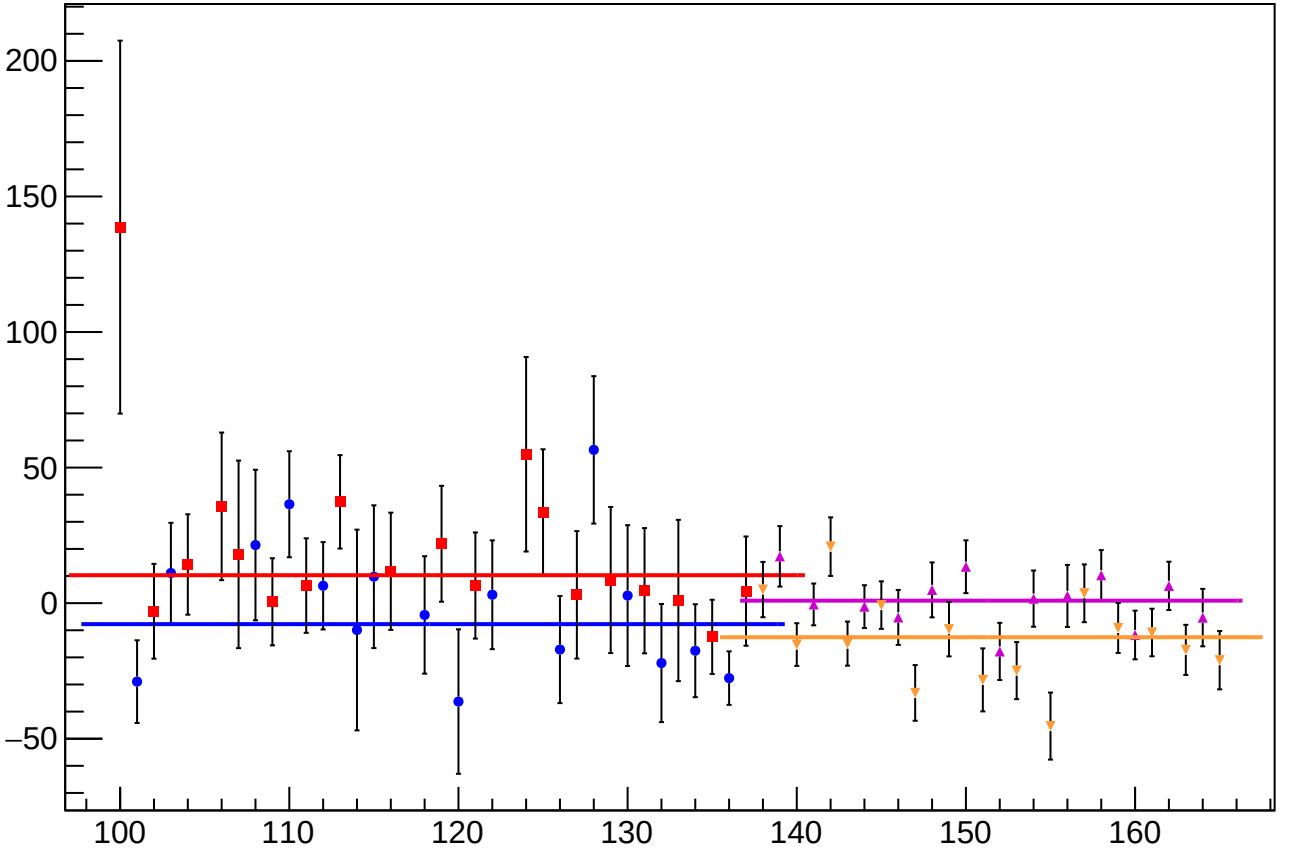
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6912.117+/-1.176 χ^2/NDF:1563706.2/28

Out: 6977.031+/-1.148 χ^2/NDF:1274479.7/33

All: 6945.340+/-0.821 χ^2/NDF: 2839746.7/62

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.568+/-2.510 χ^2/NDF:32.2/14

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 0.922+/-2.650 χ^2/NDF:11.3/12

Left: -6.189+/-1.822 χ^2/NDF: 57.3/27

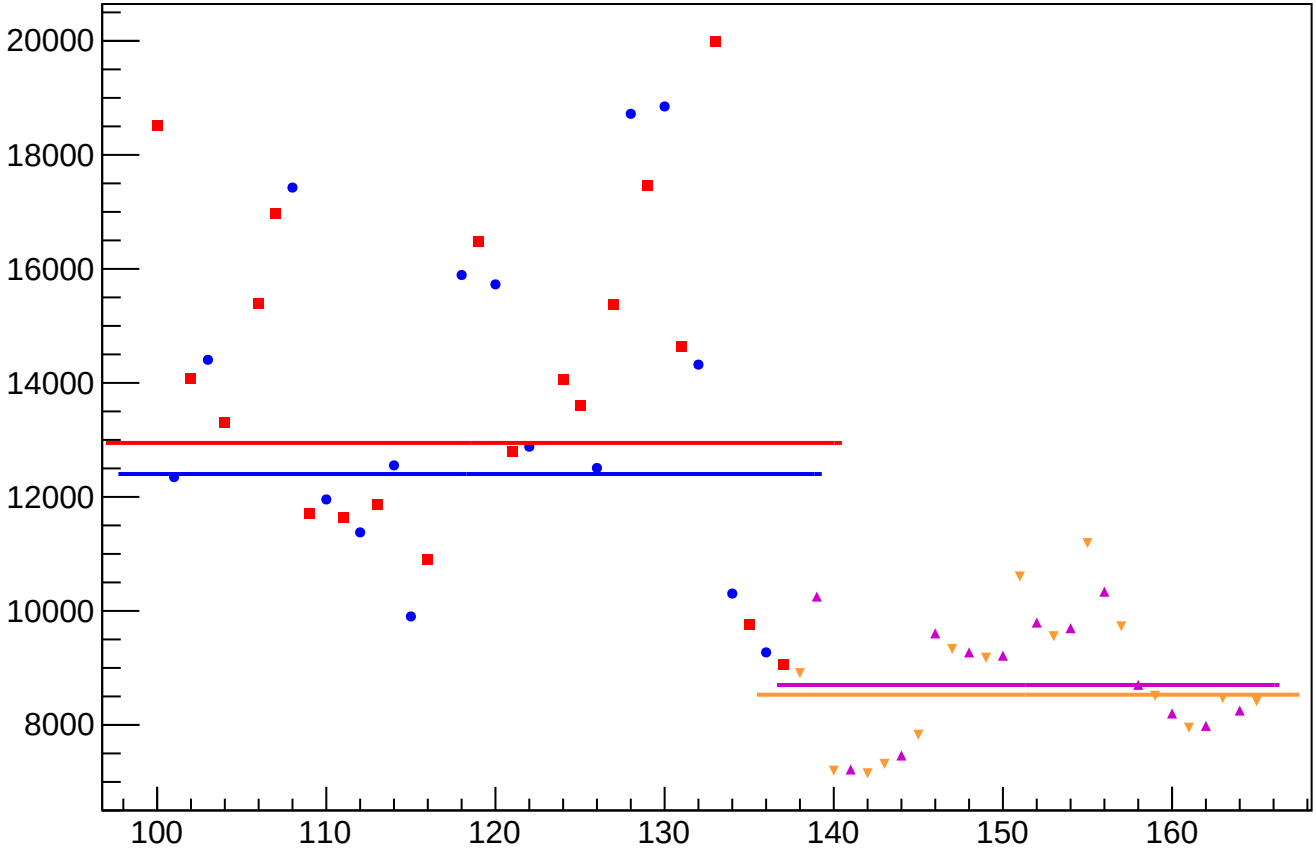
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.136+/-2.314 χ^2/NDF:36.6/28

Out: -7.720+/-2.228 χ^2/NDF:63.8/33

All: -4.552+/-1.605 χ^2/NDF: 104.5/62

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8530.540+/-1.775 χ^2/NDF:380271.2/14

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8700.490+/-1.874 χ^2/NDF:293361.6/12

Left: 8610.899+/-1.289 χ^2/NDF: 677968.3/27

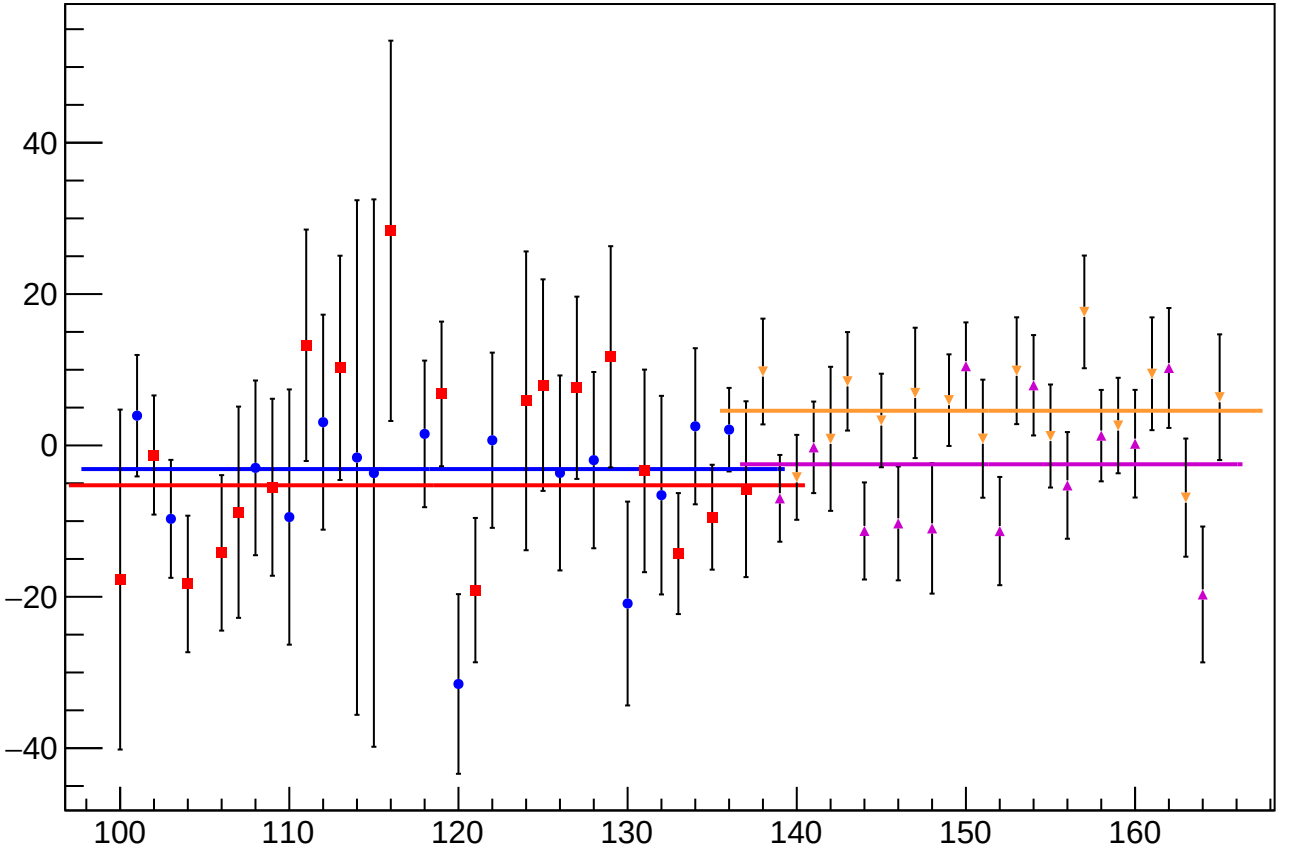
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9579.689+/-1.636 χ^2/NDF:1898288.9/28

Out: 9466.693+/-1.576 χ^2/NDF:2248090.8/33

All: 9521.052+/-1.135 χ^2/NDF: 4148854.1/62

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.582+/-1.814 χ^2/NDF:10.5/14

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.488+/-1.887 χ^2/NDF:20.6/12

Left: 1.186+/-1.307 χ^2/NDF: 38.5/27

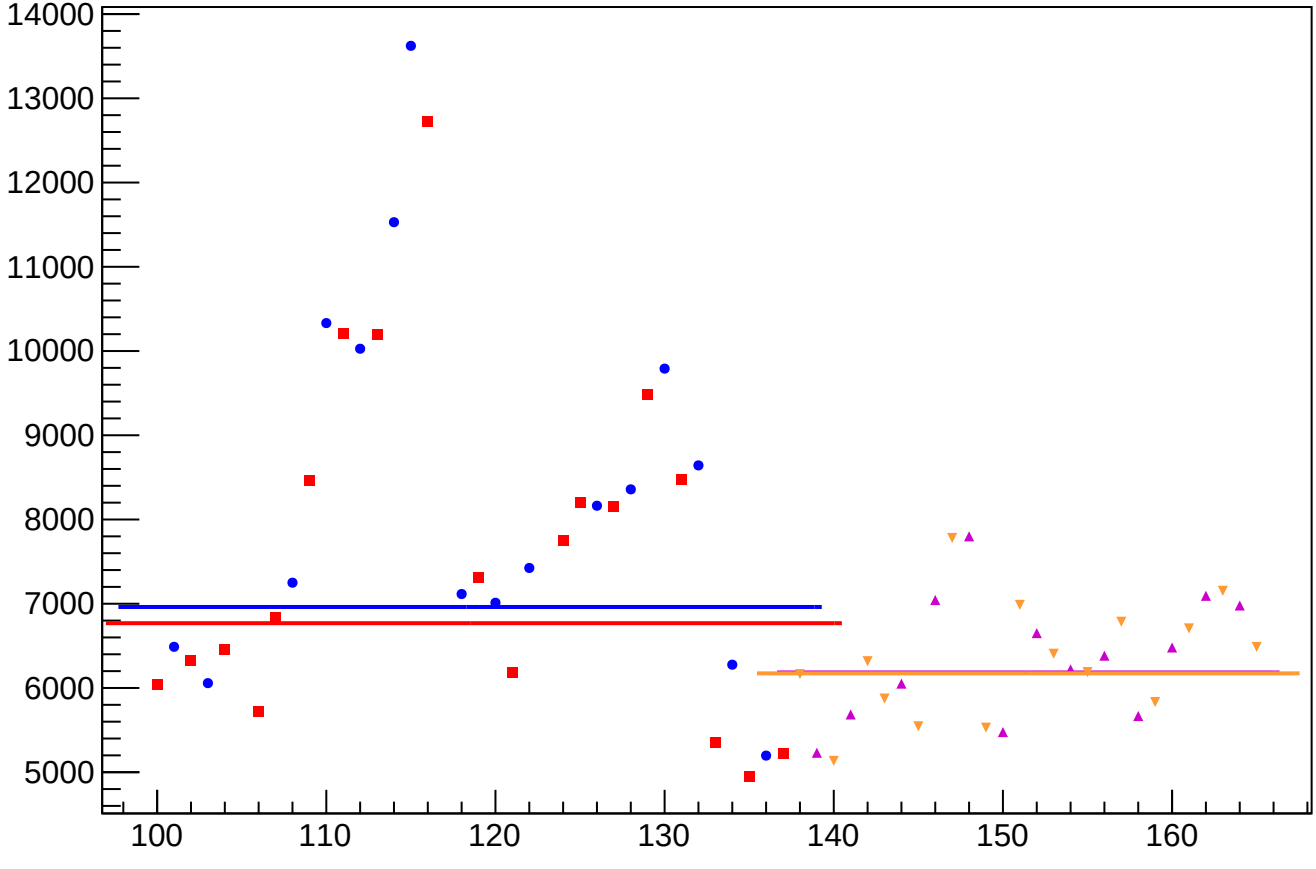
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.701+/-1.538 χ^2/NDF:31.6/28

Out: 1.279+/-1.479 χ^2/NDF:37.3/33

All: -0.633+/-1.066 χ^2/NDF: 72.4/62

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6173.631+/-1.282 χ^2/NDF:274179.4/14

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6184.372+/-1.334 χ^2/NDF:266411.2/12

Left: 6178.790+/-0.925 χ^2/NDF: 540624.3/27

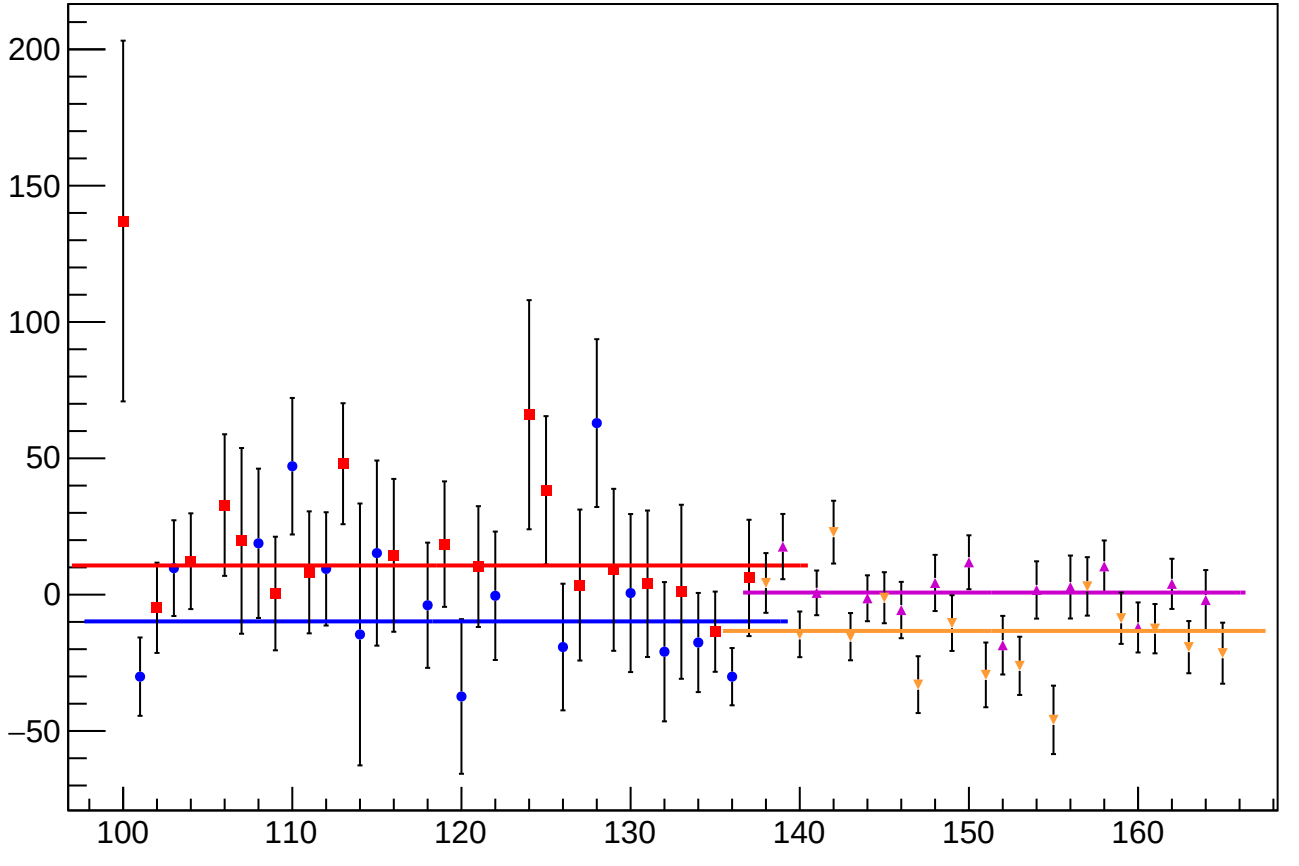
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6445.044+/-1.088 χ^2/NDF:1076677.7/28

Out: 6373.320+/-1.046 χ^2/NDF:1144566.2/33

All: 6407.771+/-0.754 χ^2/NDF: 2223504.4/62

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -13.306+/-2.608 χ^2/NDF:31.4/14

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.769+/-2.739 χ^2/NDF:10.2/12

Left: -6.613+/-1.889 χ^2/NDF: 55.5/27

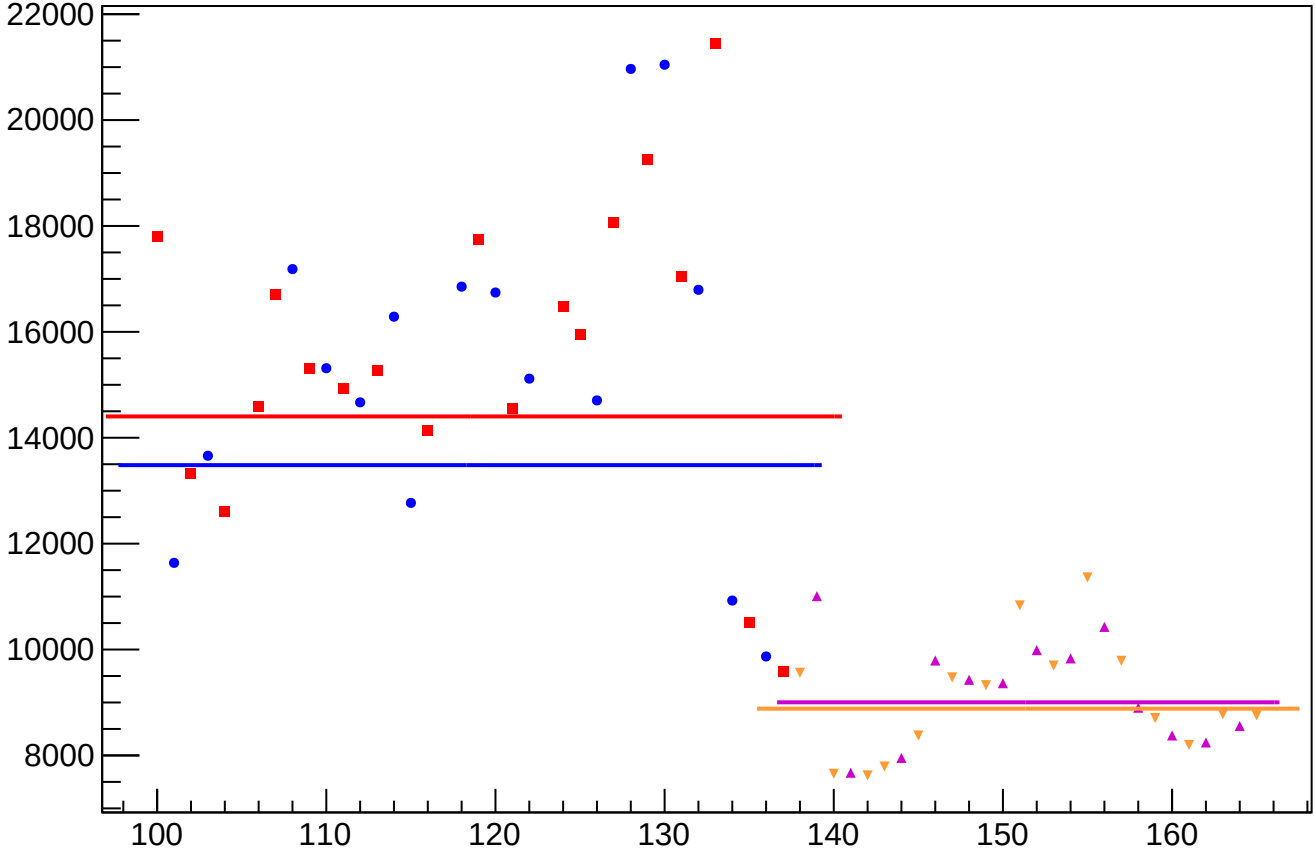
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.544+/-2.421 χ^2/NDF:35.5/28

Out: -8.738+/-2.347 χ^2/NDF:61.9/33

All: -5.253+/-1.685 χ^2/NDF: 101.9/62

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8883.013+/-1.844 χ^2/NDF:293301.4/14

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9003.113+/-1.937 χ^2/NDF:243811.9/12

Left: 8940.122+/-1.336 χ^2/NDF: 539129.5/27

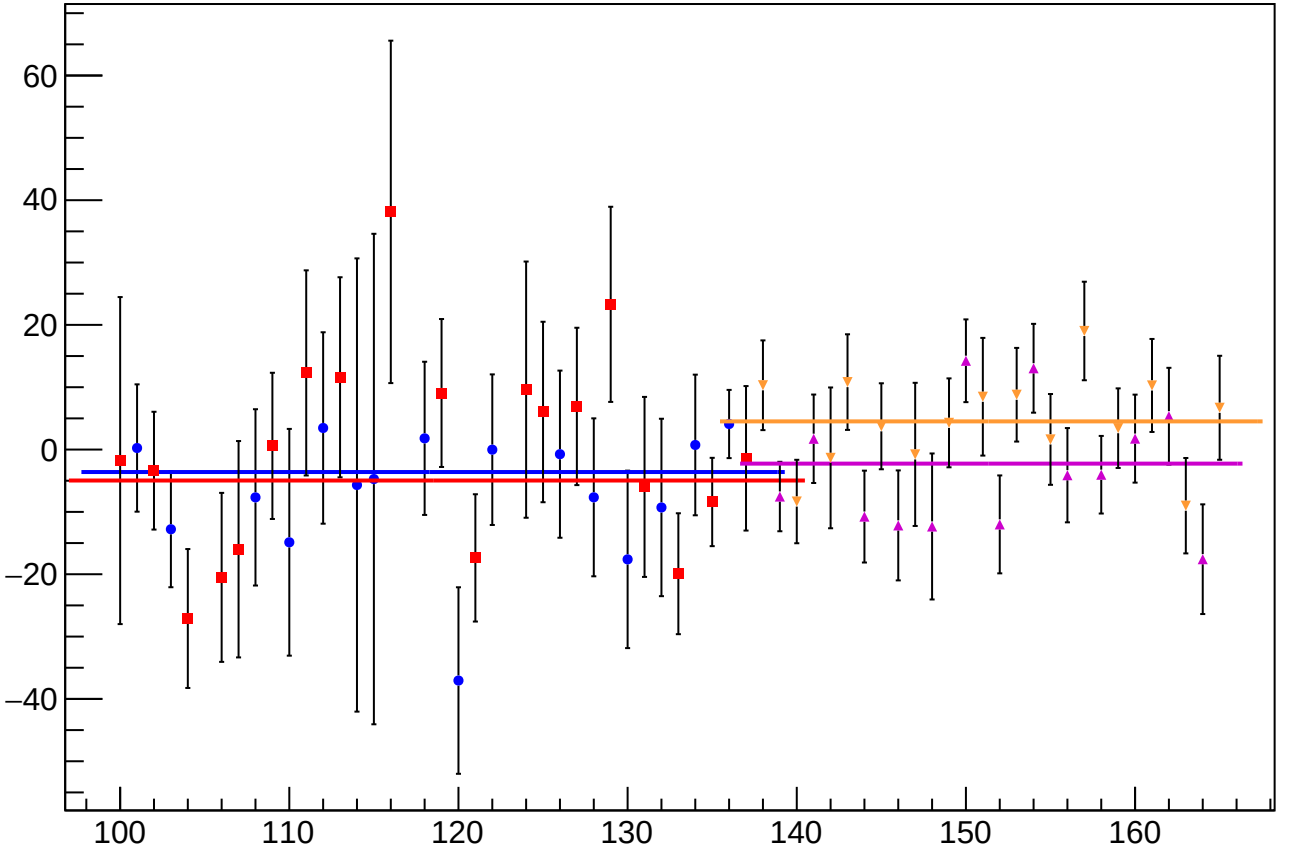
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9982.724+/-1.712 χ^2/NDF:2157119.2/28

Out: 9933.304+/-1.660 χ^2/NDF:2549964.8/33

All: 9957.244+/-1.192 χ^2/NDF: 4707513.5/62

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.519+/-1.990 χ^2/NDF:13.3/14

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -2.257+/-2.032 χ^2/NDF:21.3/12

Left: 1.202+/-1.422 χ^2/NDF: 40.4/27

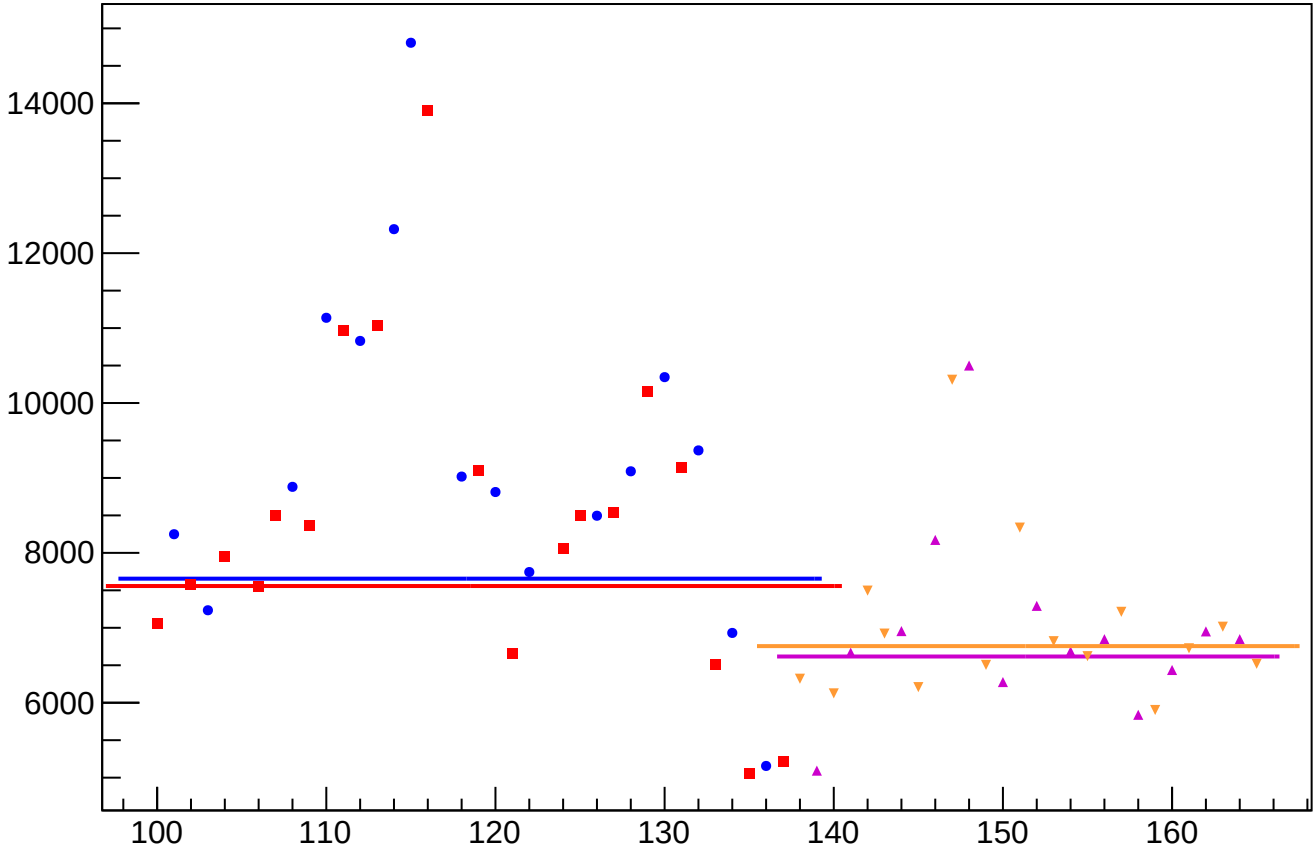
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.693+/-1.672 χ^2/NDF:32.0/28

Out: 1.418+/-1.633 χ^2/NDF:42.2/33

All: -0.589+/-1.168 χ^2/NDF: 77.2/62

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6755.492+/-1.407 χ^2/NDF:344741.9/14

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6616.887+/-1.437 χ^2/NDF:495867.6/12

Left: 6687.640+/-1.005 χ^2/NDF: 845359.1/27

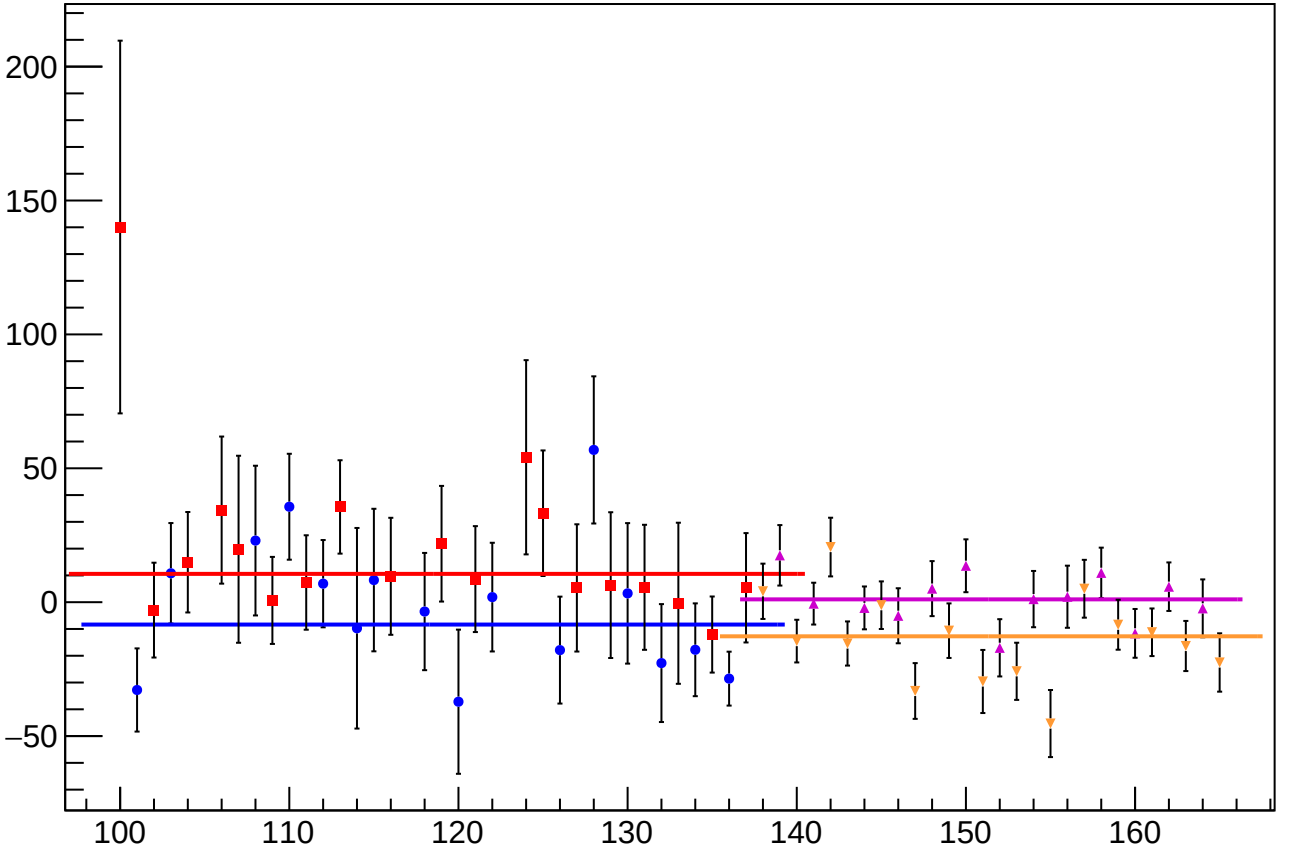
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6952.787+/-1.182 χ^2/NDF:1544660.7/28

Out: 7017.682+/-1.154 χ^2/NDF:1260798.7/33

All: 6986.000+/-0.826 χ^2/NDF: 2807002.0/62

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.742+/-2.543 χ^2/NDF:31.9/14

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.053+/-2.688 χ^2/NDF:10.7/12

Left: -6.225+/-1.847 χ^2/NDF: 56.5/27

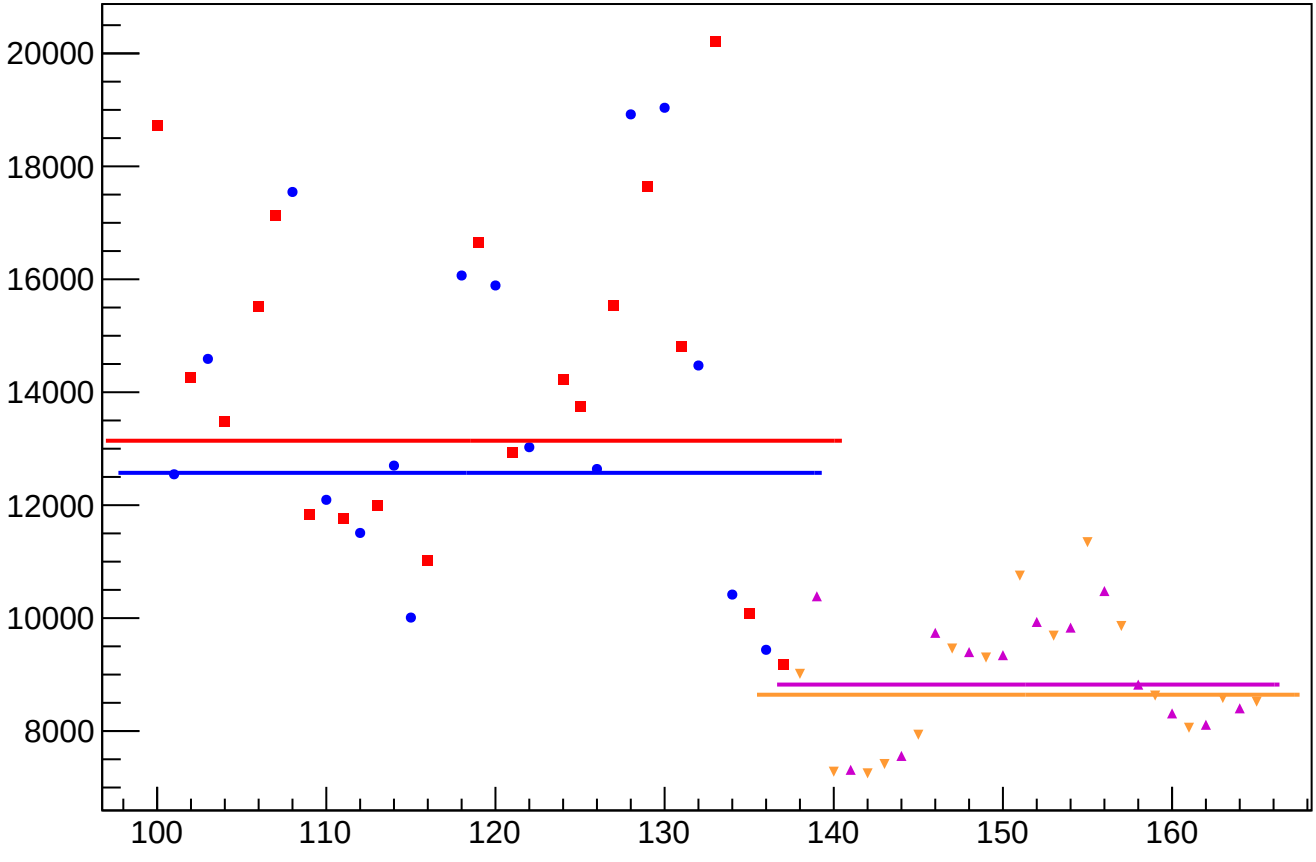
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.182+/-2.347 χ^2/NDF:36.9/28

Out: -7.811+/-2.258 χ^2/NDF:62.6/33

All: -4.624+/-1.627 χ^2/NDF: 103.6/62

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8643.445+/-1.798 χ^2/NDF:381796.7/14

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8823.114+/-1.901 χ^2/NDF:293056.6/12

Left: 8728.317+/-1.306 χ^2/NDF: 679568.3/27

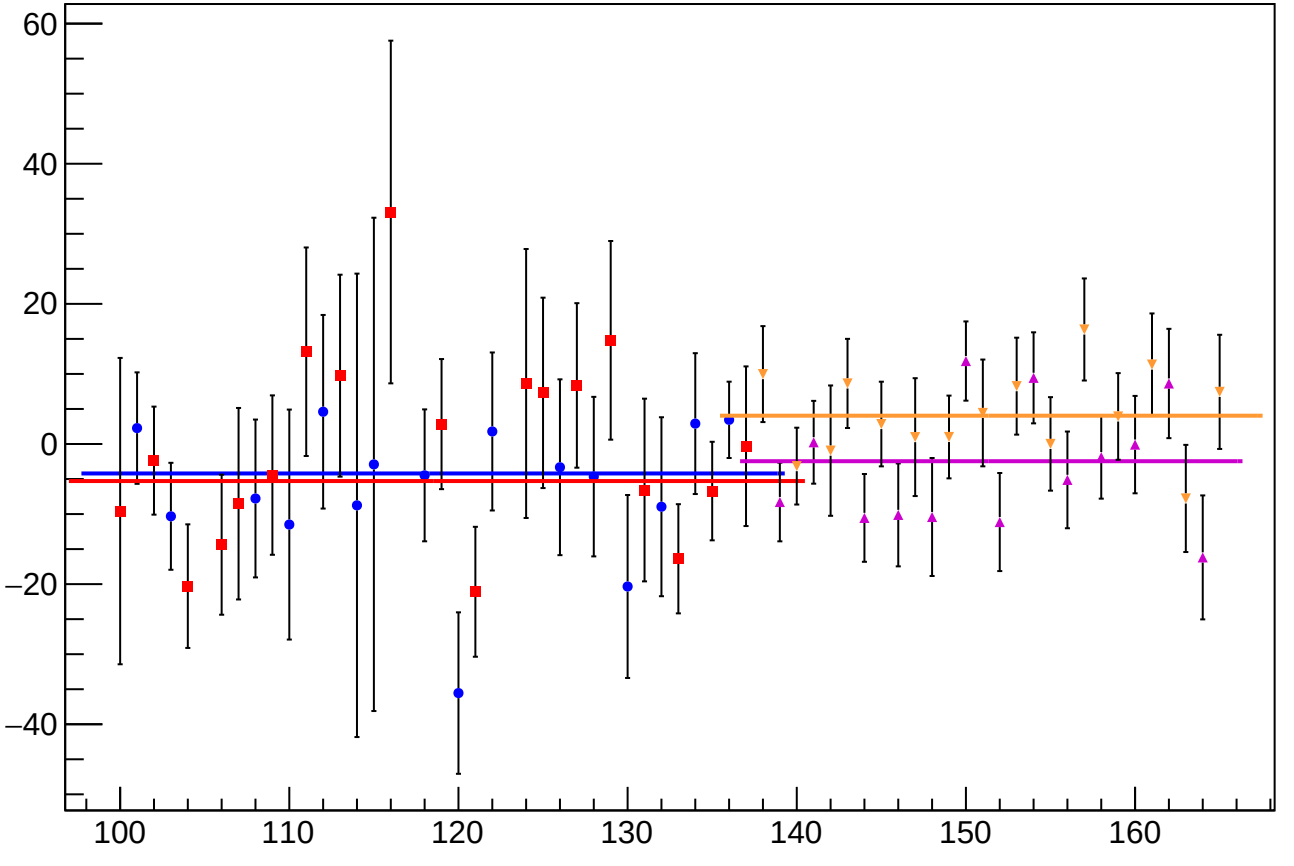
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9714.289+/-1.659 χ^2/NDF:1883082.2/28

Out: 9594.659+/-1.597 χ^2/NDF:2239386.2/33

All: 9652.178+/-1.151 χ^2/NDF: 4125166.7/62

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.040+/-1.775 χ^2/NDF:10.9/14

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.455+/-1.846 χ^2/NDF:20.9/12

Left: 0.921+/-1.279 χ^2/NDF: 38.2/27

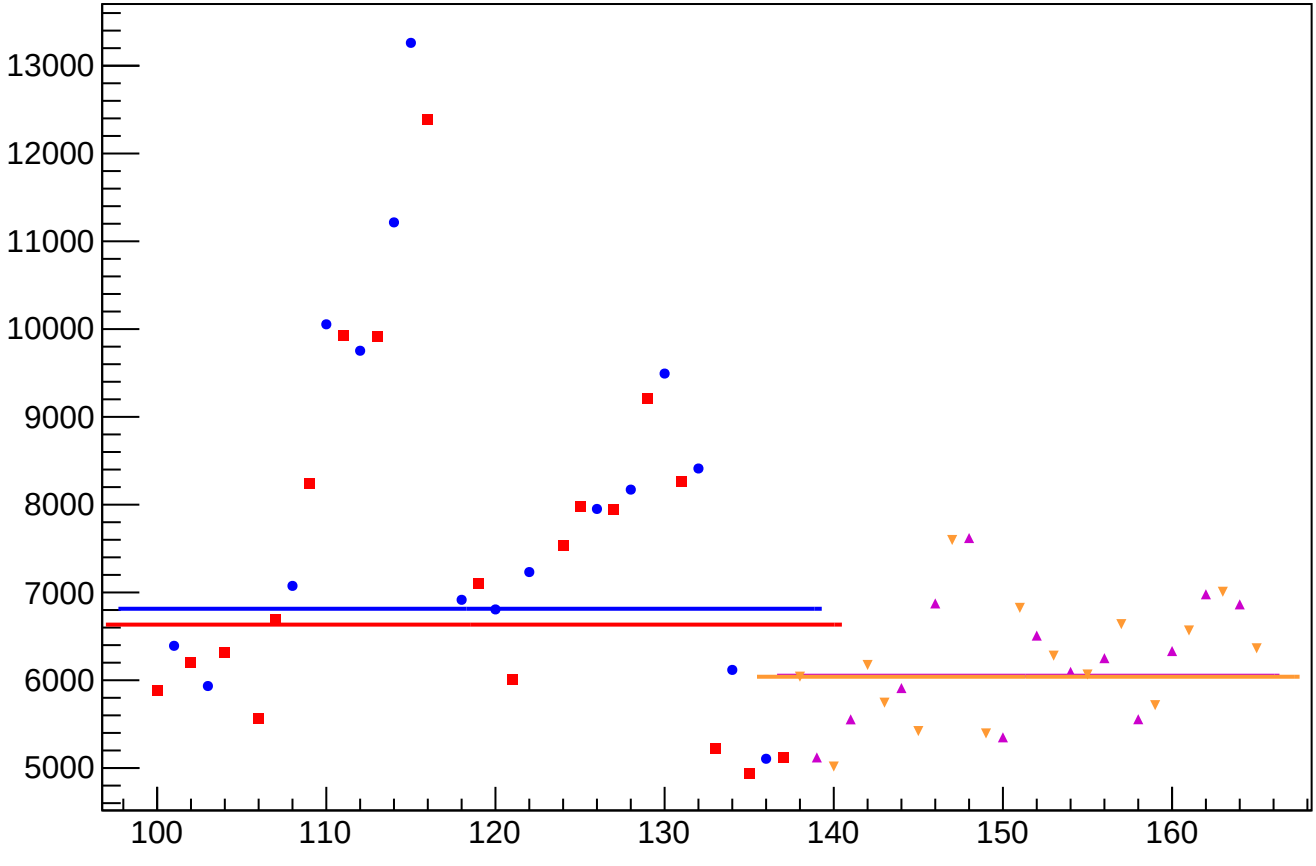
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.041+/-1.506 χ^2/NDF:35.1/28

Out: 0.918+/-1.447 χ^2/NDF:39.9/33

All: -0.984+/-1.043 χ^2/NDF: 78.5/62

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6039.986+/-1.255 χ^2/NDF:276111.0/14

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6051.624+/-1.306 χ^2/NDF:268188.3/12

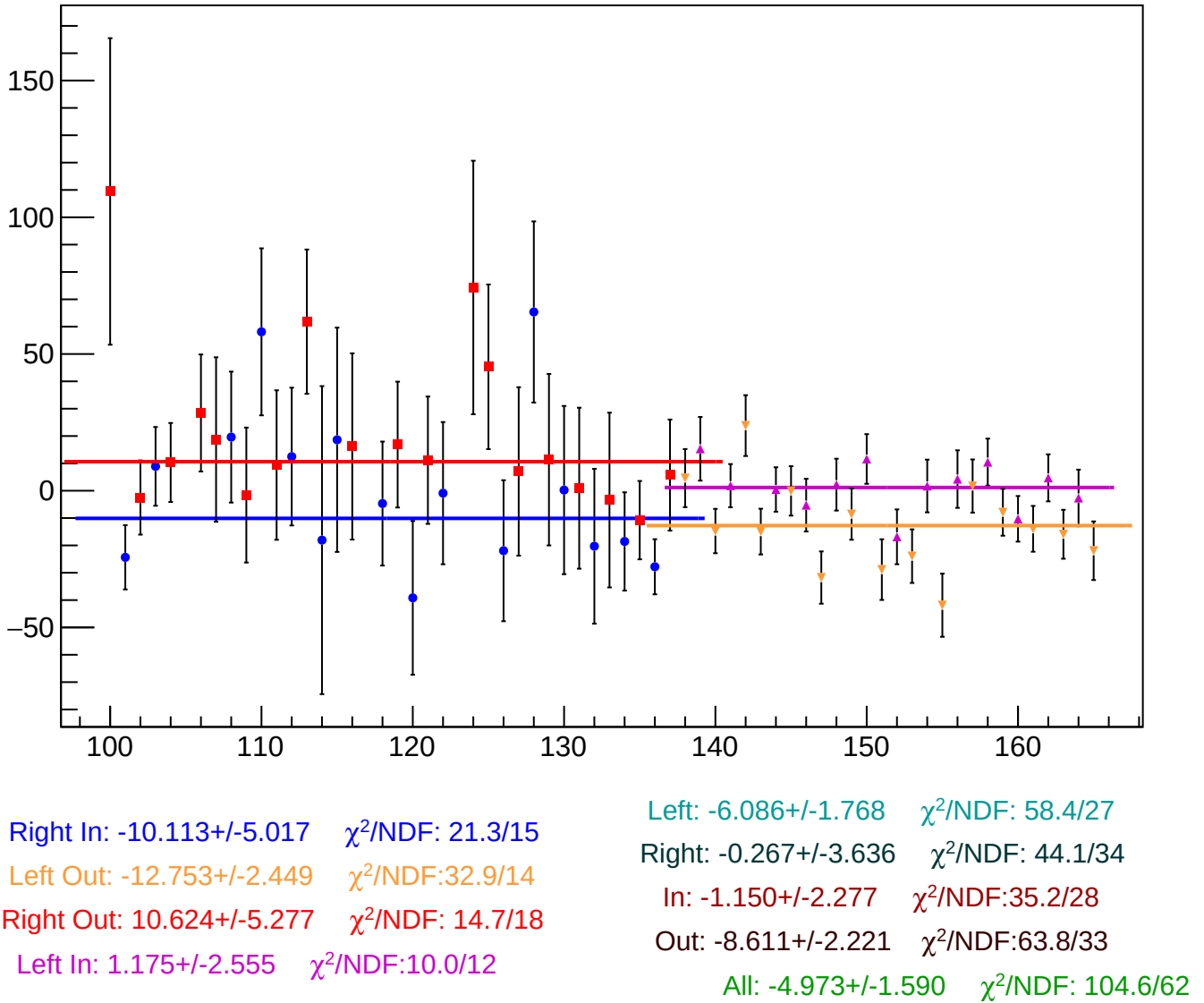
Left: 6045.574+/-0.905 χ^2/NDF: 544340.6/27

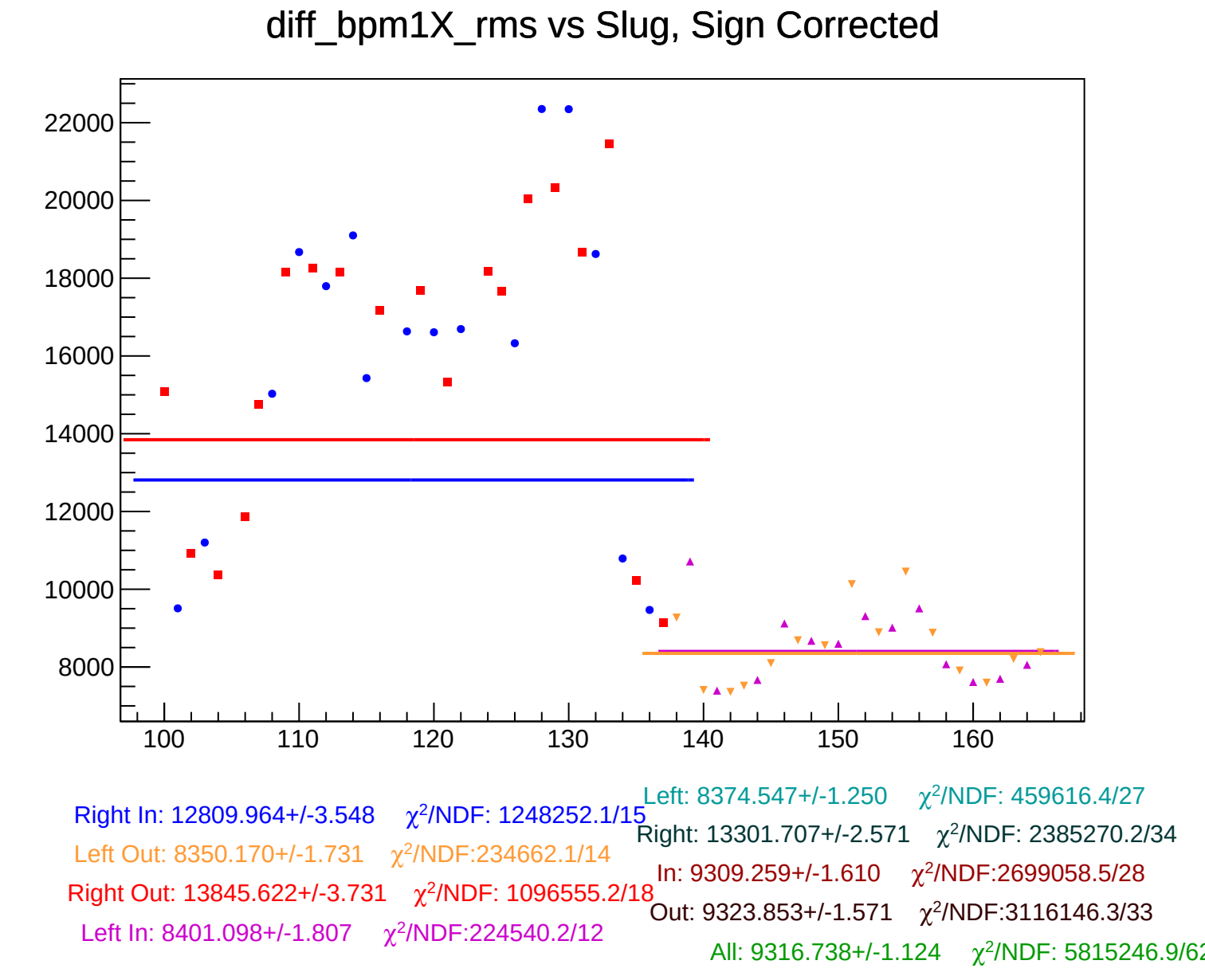
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6307.265+/-1.065 χ^2/NDF:1056653.4/28

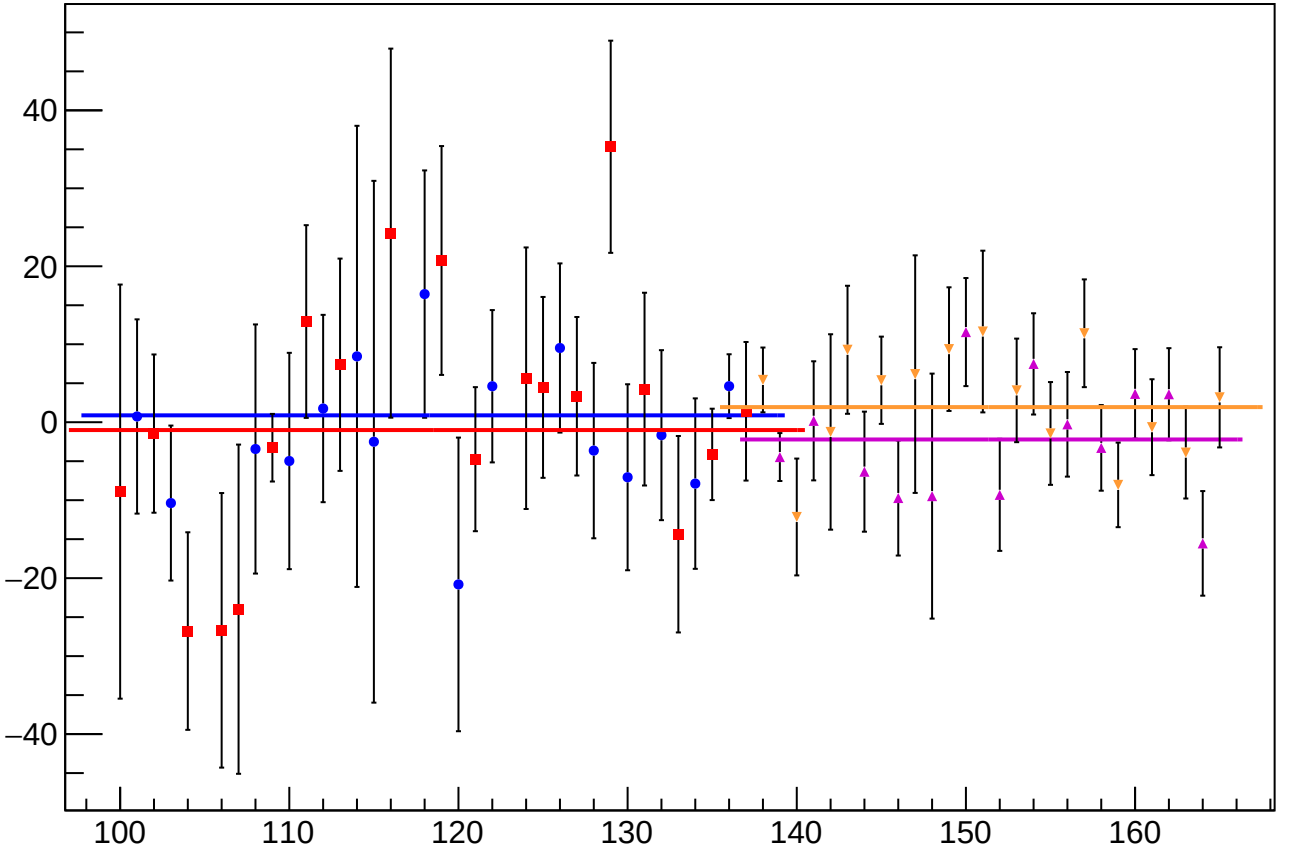
Out: 6238.683+/-1.023 χ^2/NDF:1114385.2/33

All: 6271.626+/-0.738 χ^2/NDF: 2173195.3/62


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -10.113+/-5.017 χ²/NDF: 21.3/15
Left Out: -12.753+/-2.449 χ²/NDF:32.9/14
Right Out: 10.624+/-5.277 χ²/NDF: 14.7/18
Left In: 1.175+/-2.555 χ²/NDF:10.0/12
Left: -6.086+/-1.768 χ²/NDF: 58.4/27
Right: -0.267+/-3.636 χ²/NDF: 44.1/34
In: -1.150+/-2.277 χ²/NDF:35.2/28
Out: -8.611+/-2.221 χ²/NDF:63.8/33
All: -4.973+/-1.590 χ²/NDF: 104.6/62


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8350.170+/-1.731 χ²/NDF:234662.1/14
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8401.098+/-1.807 χ²/NDF:224540.2/12
Left: 8374.547+/-1.250 χ²/NDF: 459616.4/27
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9309.259+/-1.610 χ²/NDF:2699058.5/28
Out: 9323.853+/-1.571 χ²/NDF:3116146.3/33
All: 9316.738+/-1.124 χ²/NDF: 5815246.9/62

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.937+/-1.719 χ^2/NDF:14.1/14

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -2.214+/-1.660 χ^2/NDF:15.4/12

Left: -0.210+/-1.194 χ^2/NDF: 32.6/27

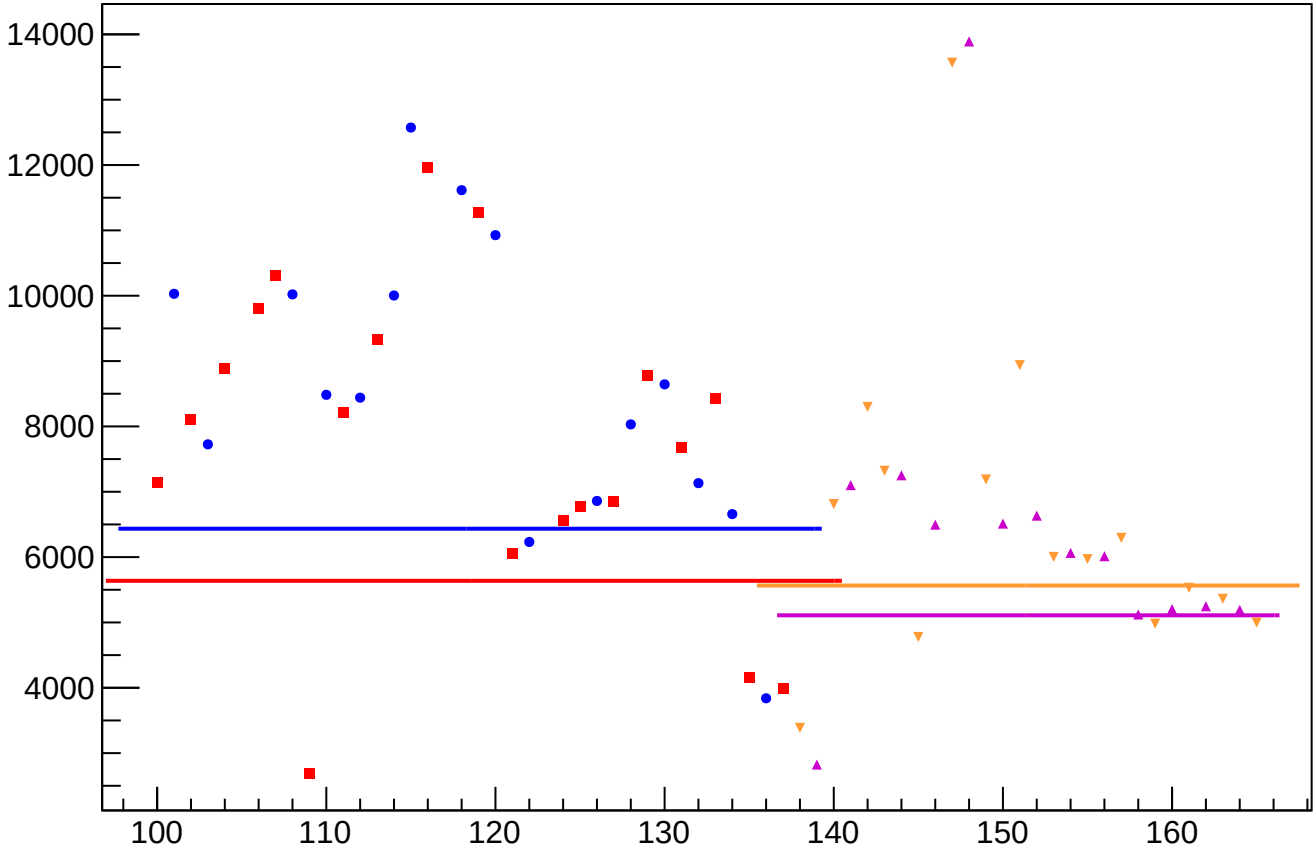
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.301+/-1.394 χ^2/NDF:23.2/28

Out: 0.891+/-1.380 χ^2/NDF:37.5/33

All: -0.194+/-0.981 χ^2/NDF: 62.0/62

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5565.208+/-1.215 χ^2/NDF:1758213.1/14

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5109.367+/-1.174 χ^2/NDF:2345546.1/12

Left: 5329.392+/-0.844 χ^2/NDF: 4176549.3/27

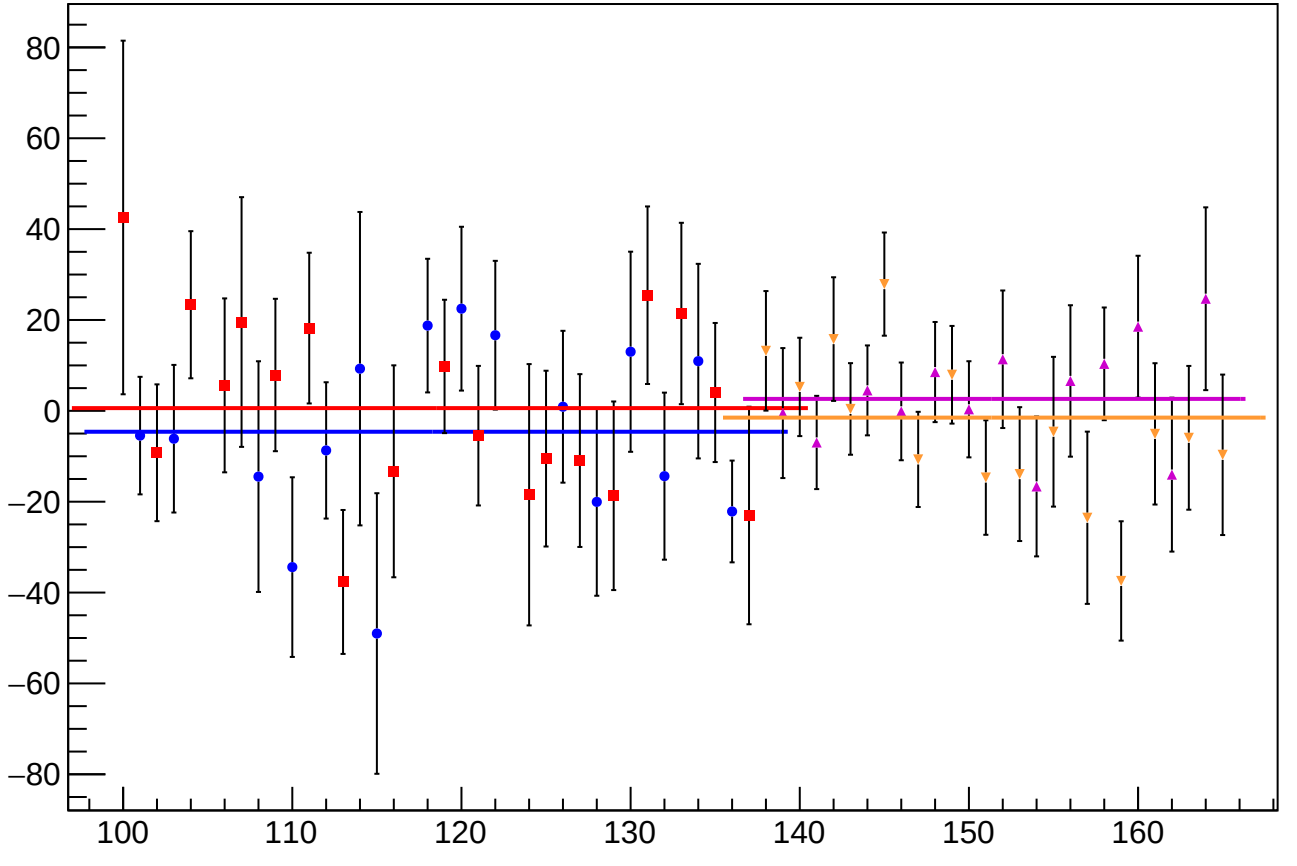
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5500.344+/-0.986 χ^2/NDF:4472181.4/28

Out: 5590.854+/-0.976 χ^2/NDF:4339479.4/33

All: 5546.060+/-0.693 χ^2/NDF: 8815920.7/62

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.489+/-3.342 χ^2/NDF:22.6/14

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 2.629+/-3.555 χ^2/NDF:6.9/12

Left: 0.443+/-2.435 χ^2/NDF: 30.2/27

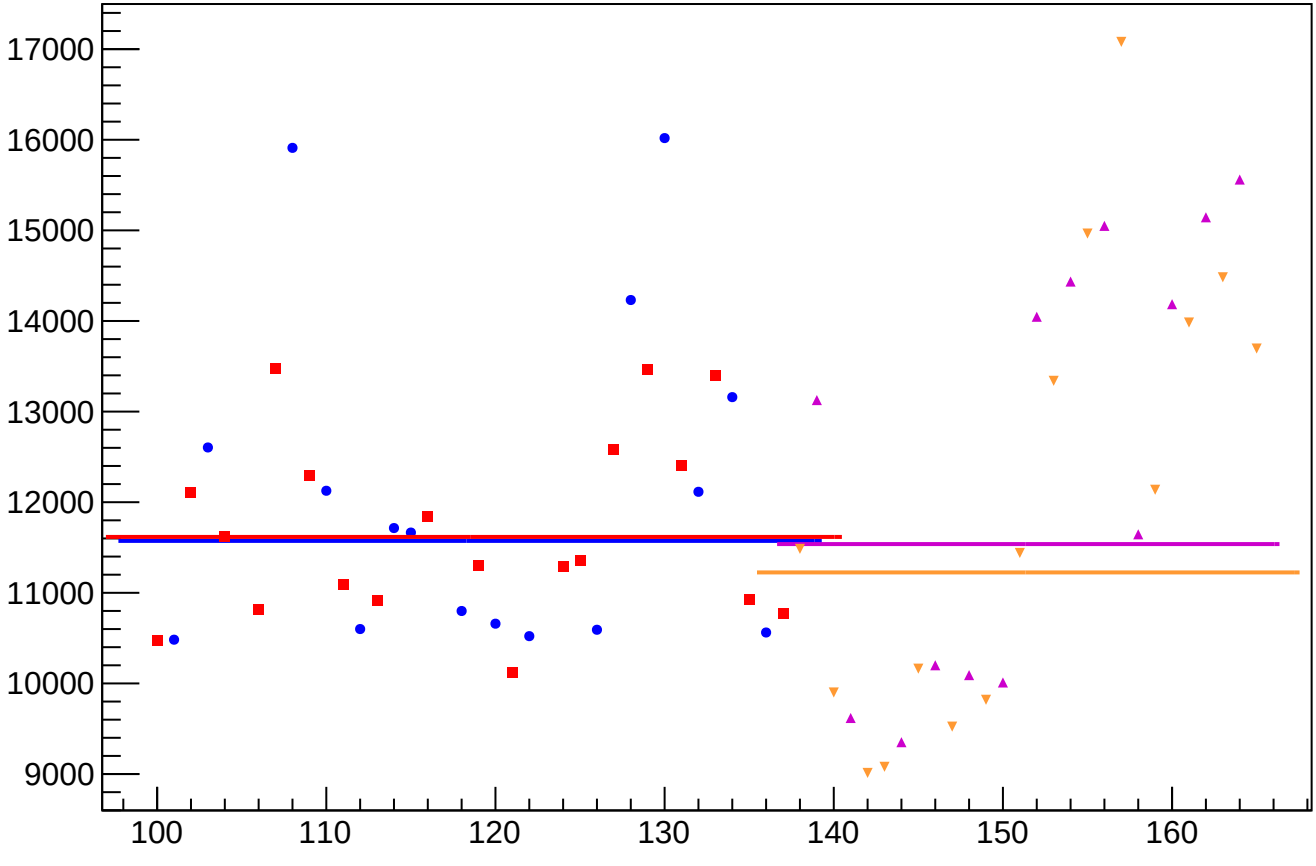
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.262+/-2.754 χ^2/NDF:24.3/28

Out: -0.695+/-2.631 χ^2/NDF:40.6/33

All: -0.489+/-1.902 χ^2/NDF: 64.9/62

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11225.107+/-2.363 χ^2/NDF:810562.8/14

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11537.931+/-2.514 χ^2/NDF:742140.2/12

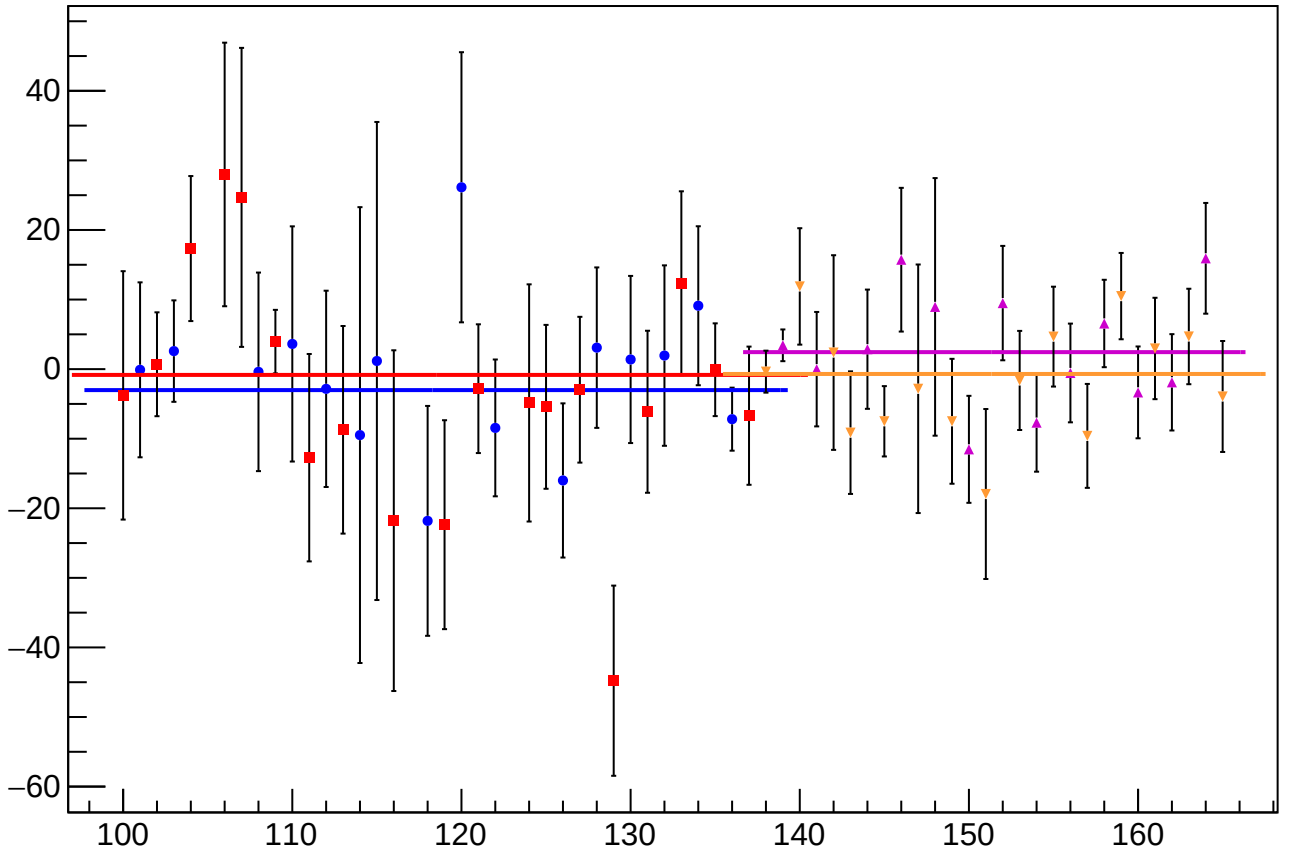
Left: 11371.859+/-1.722 χ^2/NDF: 1560925.9/27

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11551.983+/-1.947 χ^2/NDF:1002285.4/28

Out: 11374.015+/-1.860 χ^2/NDF:914175.0/33

All: 11458.935+/-1.345 χ^2/NDF: 1920828.0/6



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.695+/-1.709 χ^2/NDF:13.9/14

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.443+/-1.602 χ^2/NDF:12.8/12

Left: 0.975+/-1.169 χ^2/NDF: 28.5/27

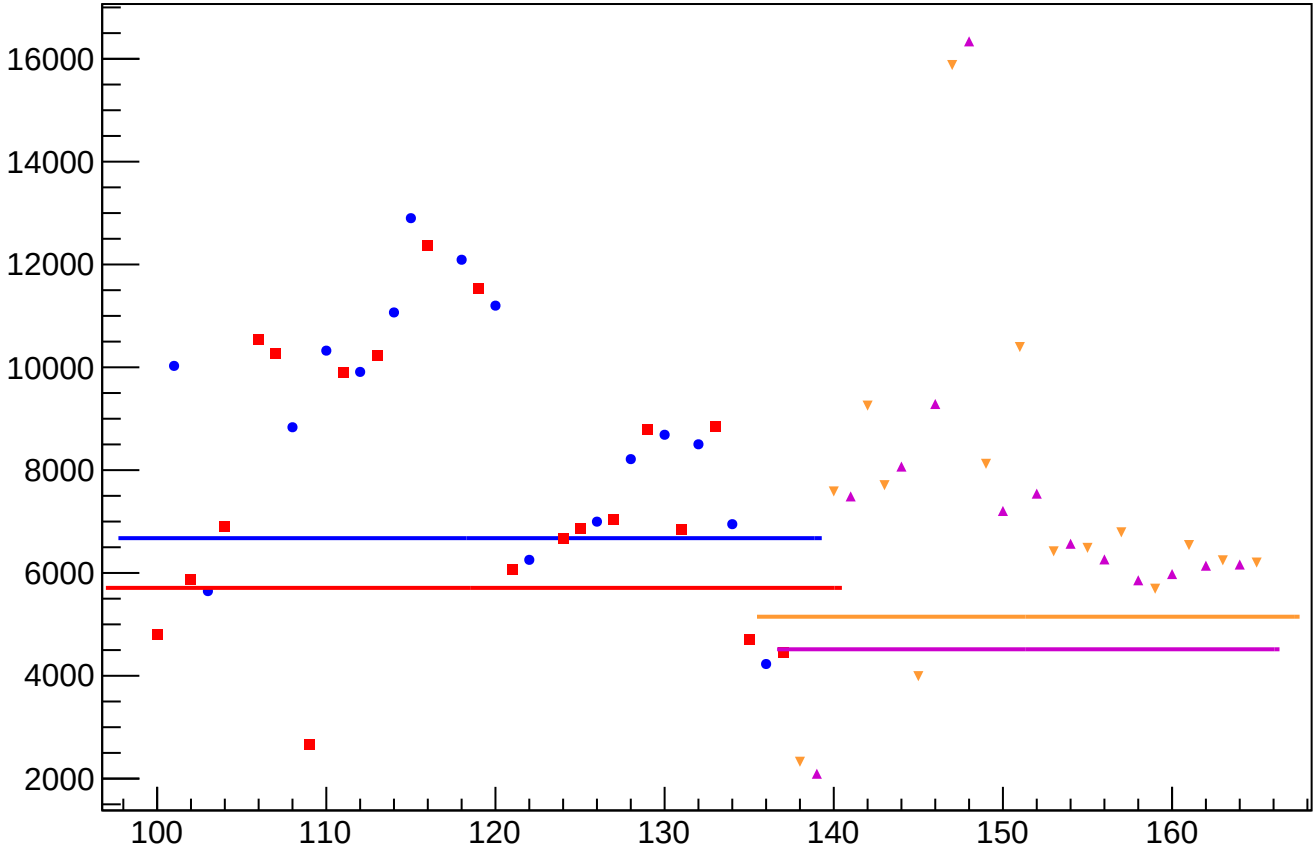
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.986+/-1.371 χ^2/NDF:24.5/28

Out: -0.742+/-1.383 χ^2/NDF:37.7/33

All: 0.129+/-0.974 χ^2/NDF: 63.1/62

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5148.964+/-1.209 χ^2/NDF:4077845.5/14

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4515.492+/-1.133 χ^2/NDF:5294737.6/12

Left: 4811.741+/-0.826 χ^2/NDF: 9518851.6/27

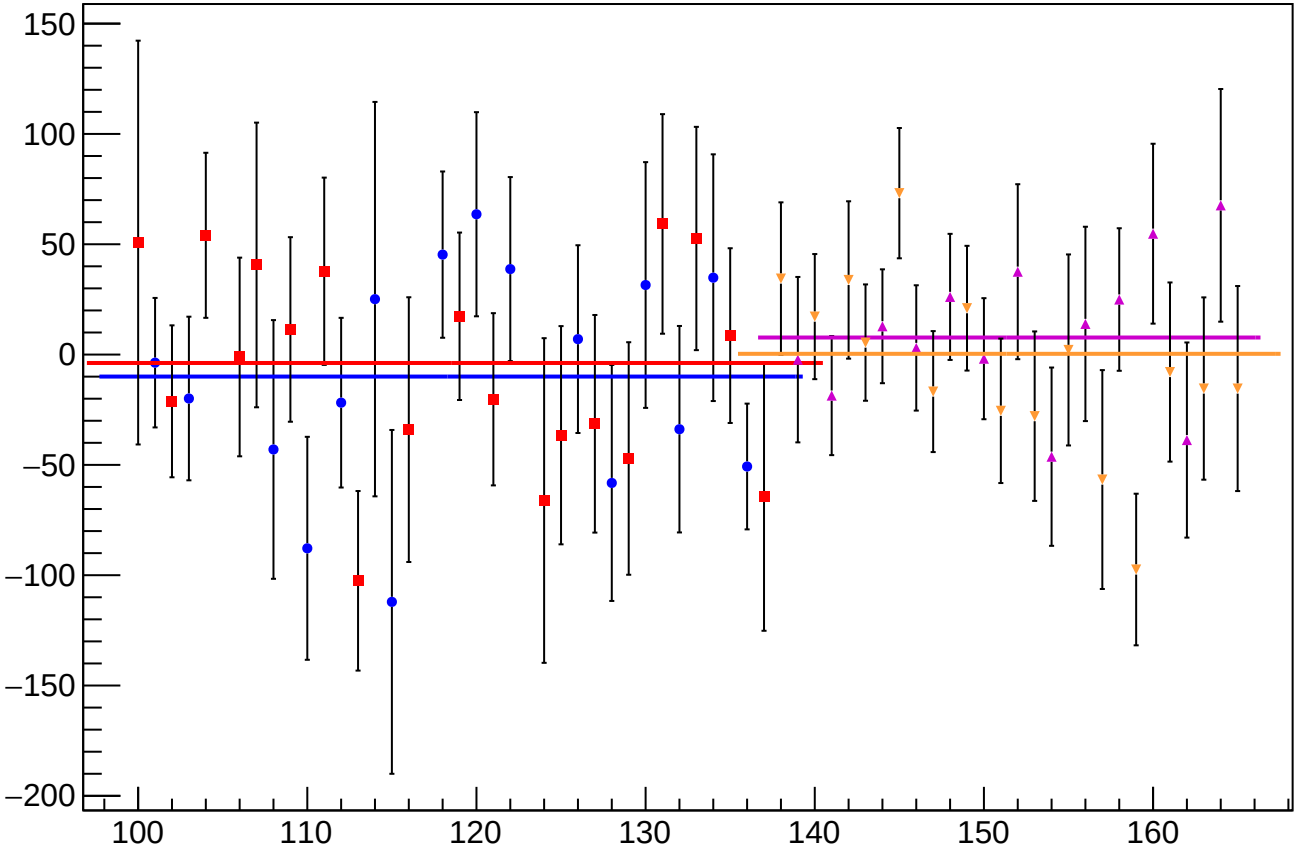
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5092.658+/-0.970 χ^2/NDF:7839917.2/28

Out: 5342.814+/-0.978 χ^2/NDF:6453328.4/33

All: 5216.729+/-0.688 χ^2/NDF: 14326249.3/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.729+/-9.295 χ^2/NDF:8.0/12

Left: 3.807+/-6.367 χ^2/NDF: 28.5/27

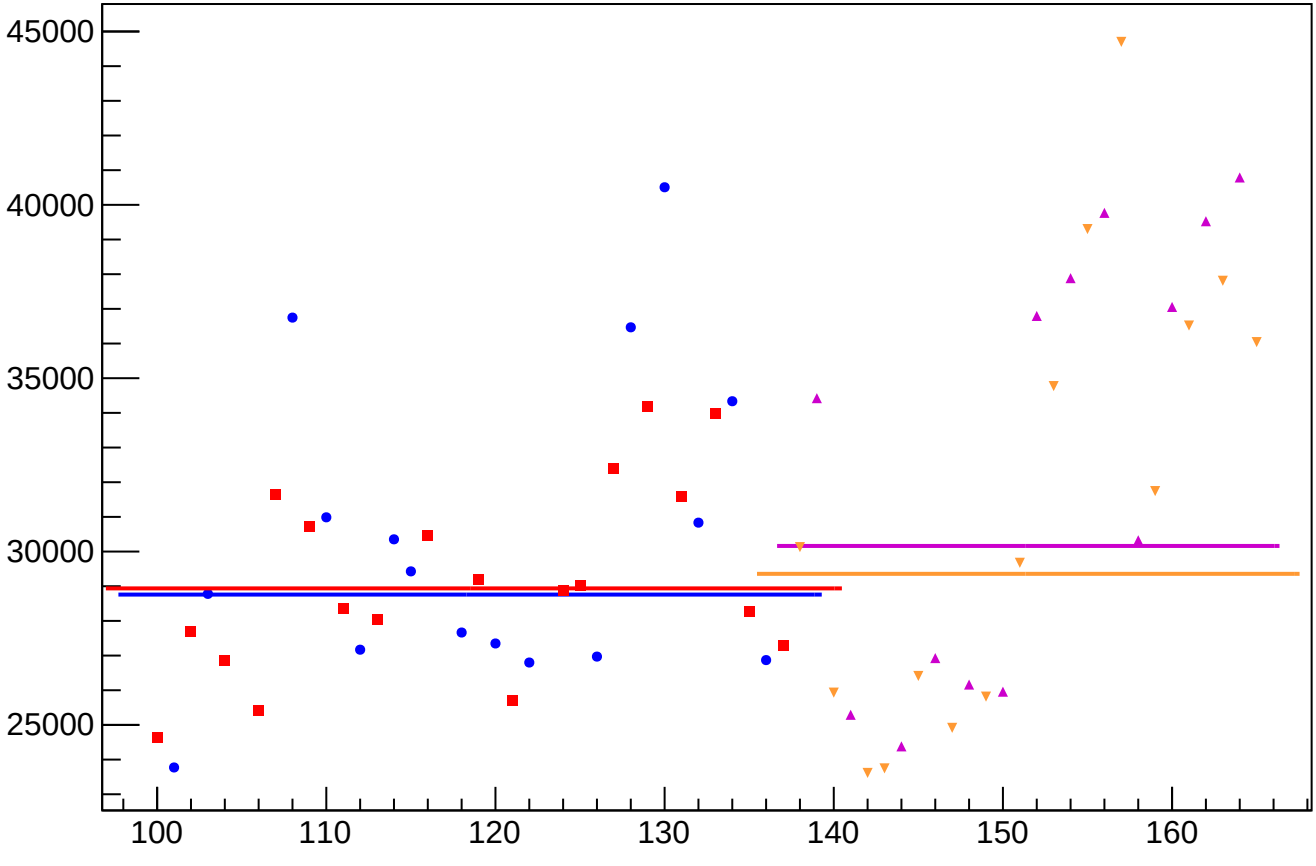
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.227+/-7.055 χ^2/NDF:24.8/28

Out: -1.335+/-6.753 χ^2/NDF:37.5/33

All: -0.588+/-4.878 χ^2/NDF: 62.4/62

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

Left: 29734.973+/-4.502 χ^2/NDF: 1573991.7/27

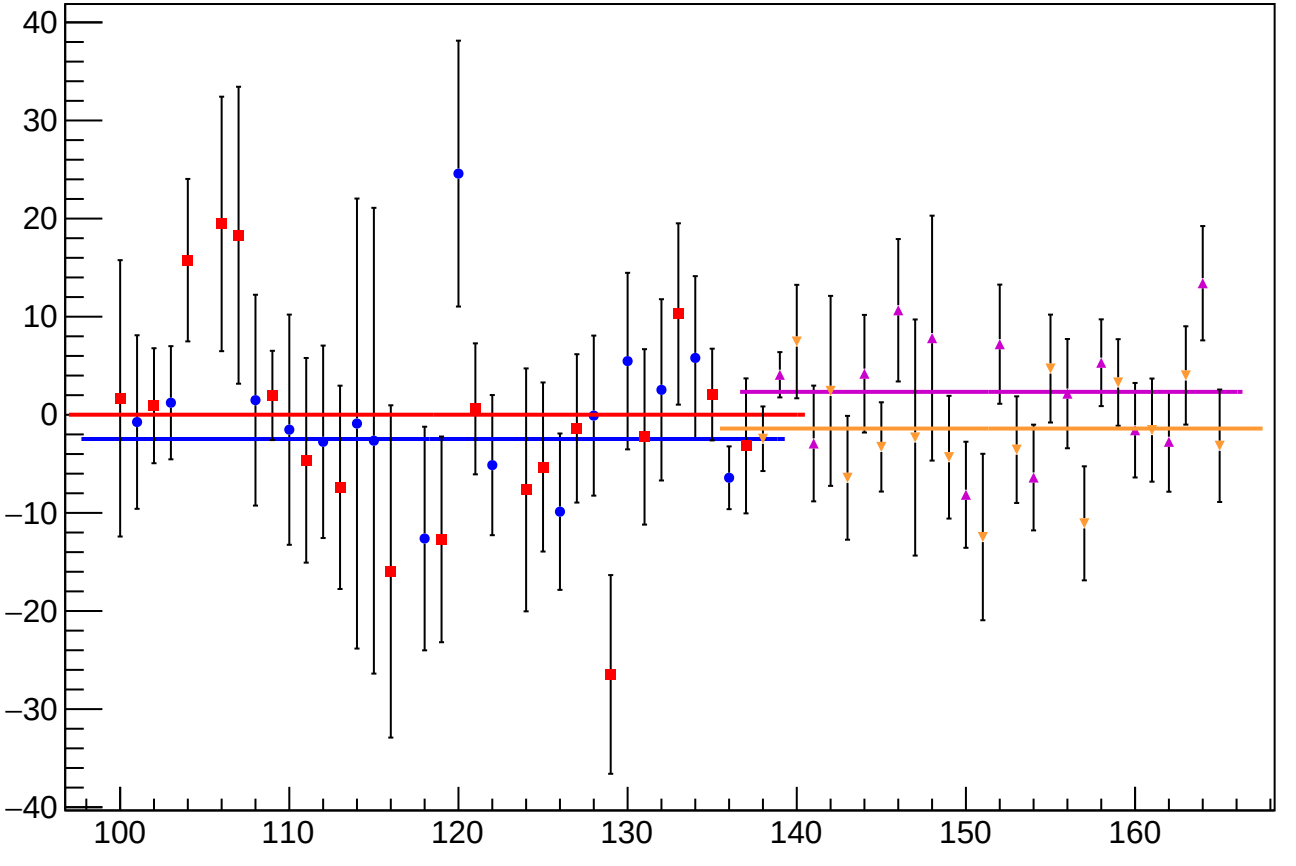
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29567.227+/-4.989 χ^2/NDF:1052733.5/28

Out: 29188.275+/-4.775 χ^2/NDF:918385.0/33

All: 29369.459+/-3.450 χ^2/NDF: 1974129.8/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.402+/-1.405 χ^2/NDF:11.9/14

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.337+/-1.336 χ^2/NDF:15.7/12

Left: 0.561+/-0.968 χ^2/NDF: 31.3/27

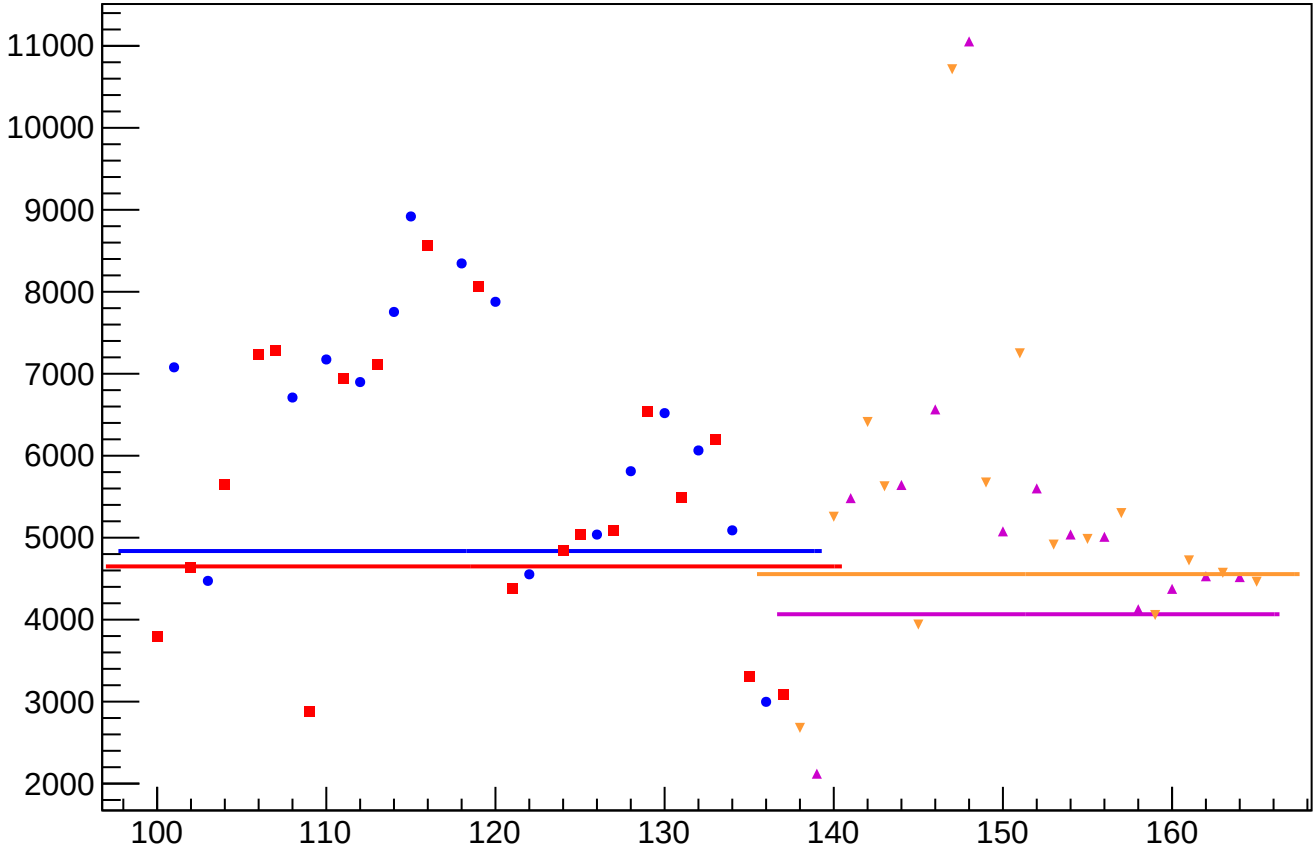
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.764+/-1.096 χ^2/NDF:30.0/28

Out: -0.878+/-1.114 χ^2/NDF:32.2/33

All: -0.044+/-0.781 χ^2/NDF: 63.3/62

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4555.644+/-0.993 χ^2/NDF:1717390.5/14

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4066.061+/-0.945 χ^2/NDF:2895098.9/12

Left: 4298.704+/-0.685 χ^2/NDF: 4740025.0/27

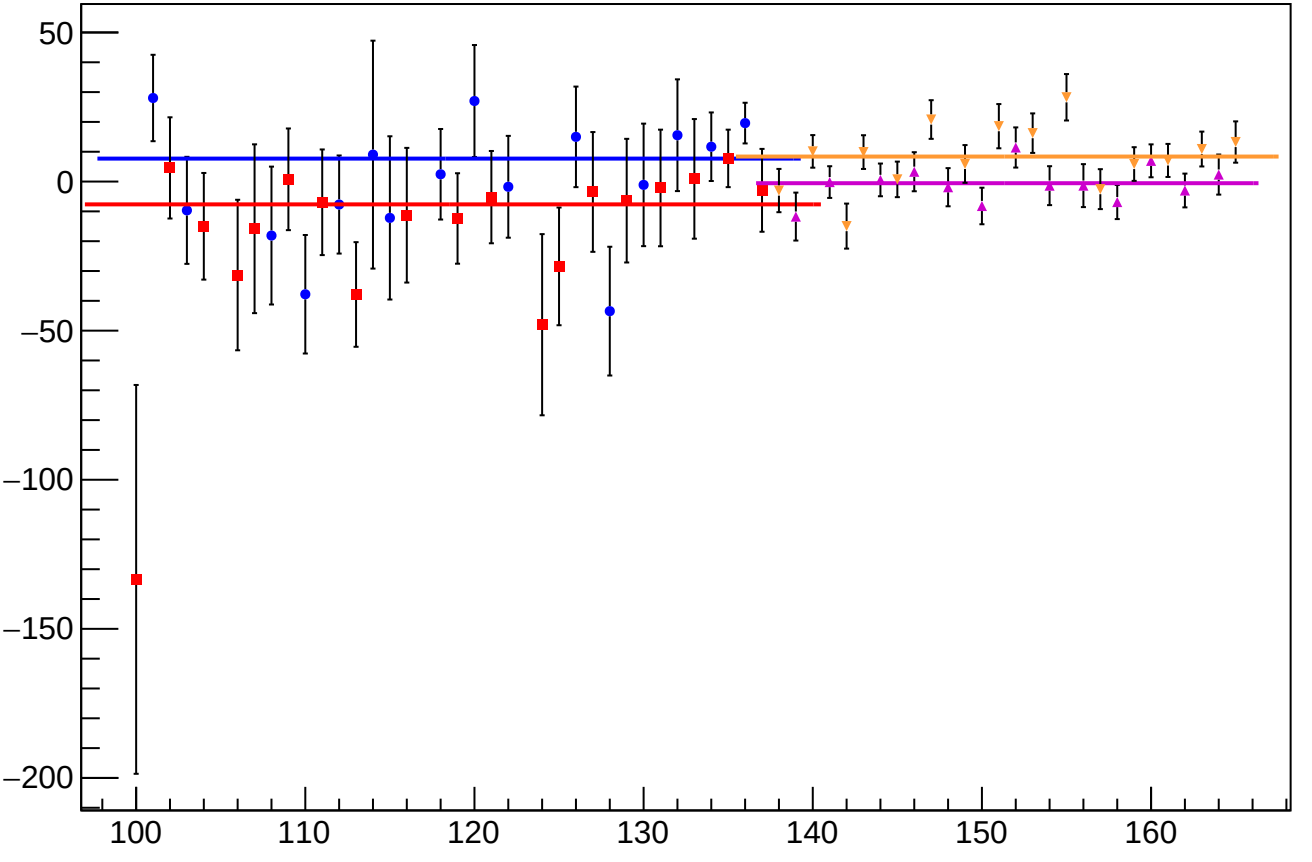
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4318.511+/-0.775 χ^2/NDF:4660842.0/28

Out: 4590.522+/-0.788 χ^2/NDF:3155262.0/33

All: 4452.340+/-0.552 χ^2/NDF: 7876705.3/62

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.385+/-1.640 χ^2/NDF:31.1/14

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.550+/-1.715 χ^2/NDF:10.6/12

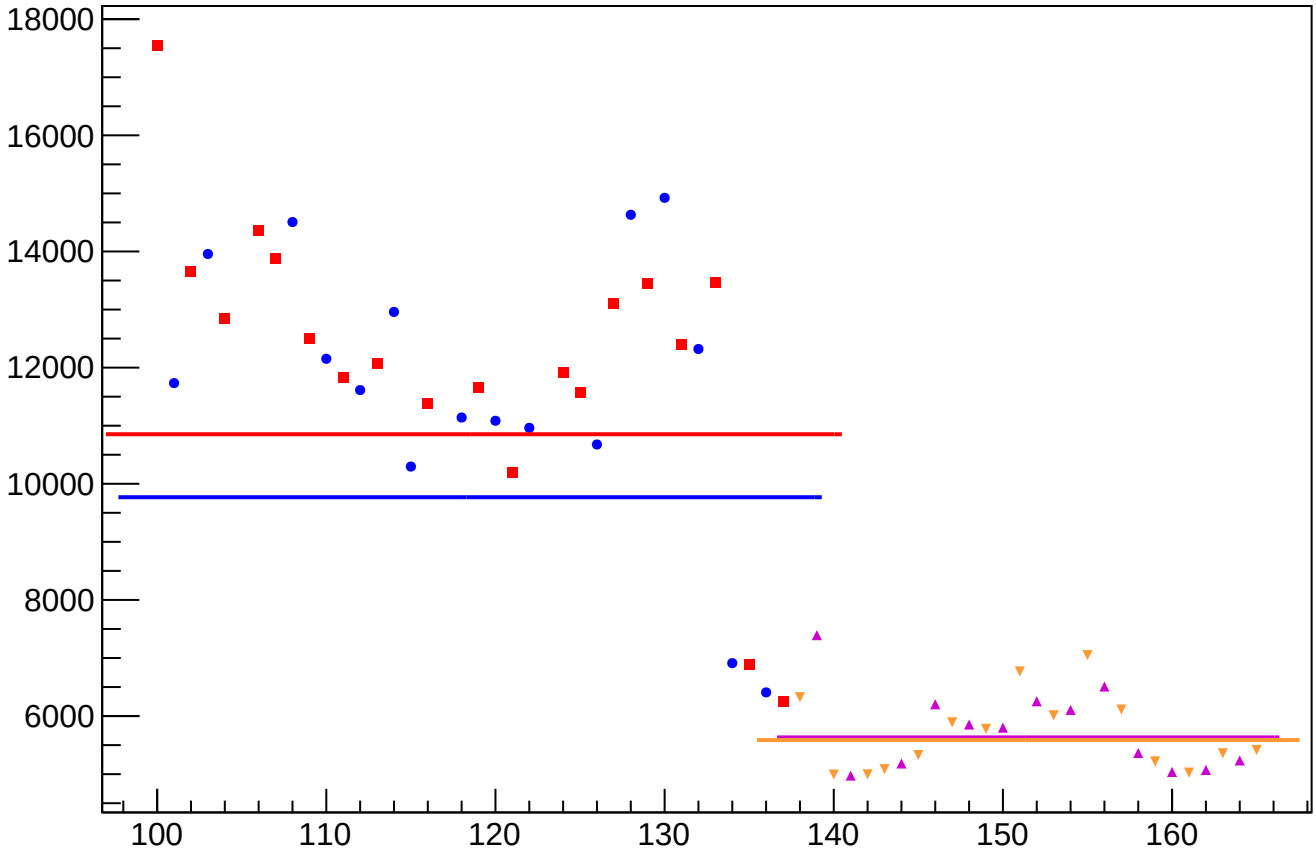
Left: 4.119+/-1.185 χ^2/NDF: 55.8/27

Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.834+/-1.565 χ^2/NDF:36.1/28

Out: 6.173+/-1.522 χ^2/NDF:58.8/33

All: 3.577+/-1.091 χ^2/NDF: 100.9/62



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5587.110+/-1.159 χ^2/NDF:257370.0/14

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5632.815+/-1.213 χ^2/NDF:270419.7/12

Left: 5608.934+/-0.838 χ^2/NDF: 528531.8/27

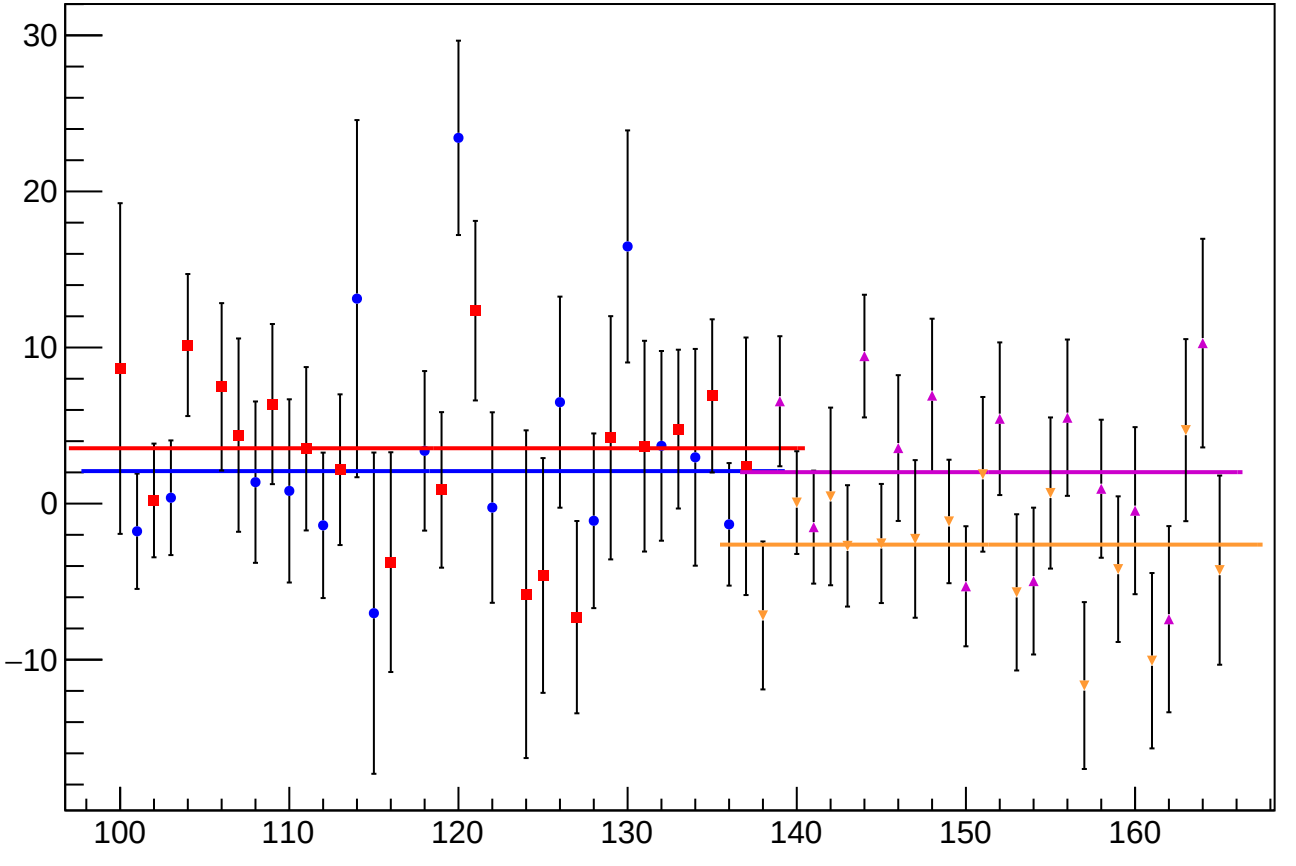
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6326.727+/-1.106 χ^2/NDF:3435522.6/28

Out: 6313.322+/-1.076 χ^2/NDF:3977131.0/33

All: 6319.841+/-0.772 χ^2/NDF: 7412729.0/62

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.628+/-1.197 χ^2/NDF:10.1/14

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.015+/-1.273 χ^2/NDF:17.9/12

Left: -0.450+/-0.872 χ^2/NDF: 35.0/27

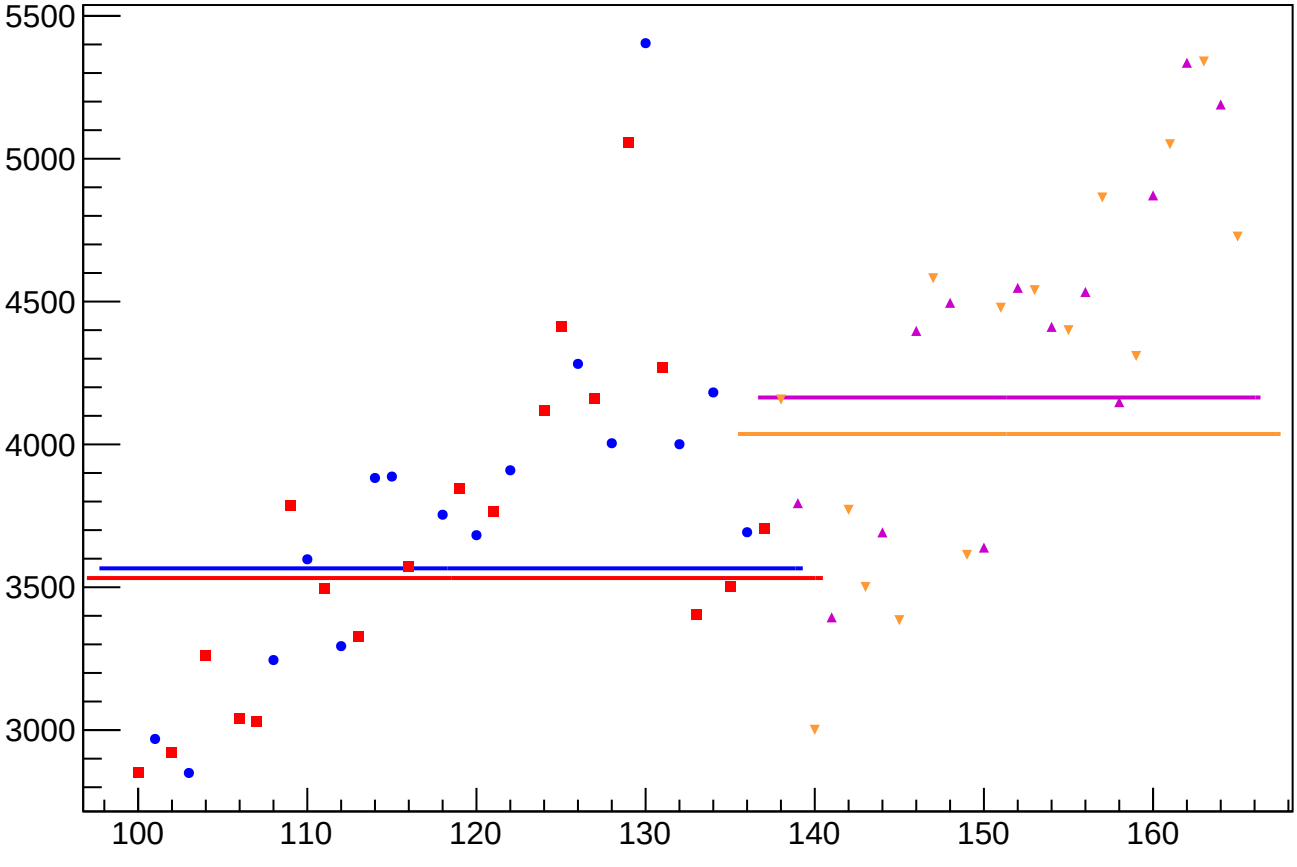
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.046+/-0.925 χ^2/NDF:38.9/28

Out: 0.195+/-0.882 χ^2/NDF:35.7/33

All: 1.076+/-0.638 χ^2/NDF: 76.6/62

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4036.581+/-0.846 χ^2/NDF:639490.5/14

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4164.211+/-0.900 χ^2/NDF:374383.4/12

Left: 4096.444+/-0.617 χ^2/NDF: 1024543.4/27

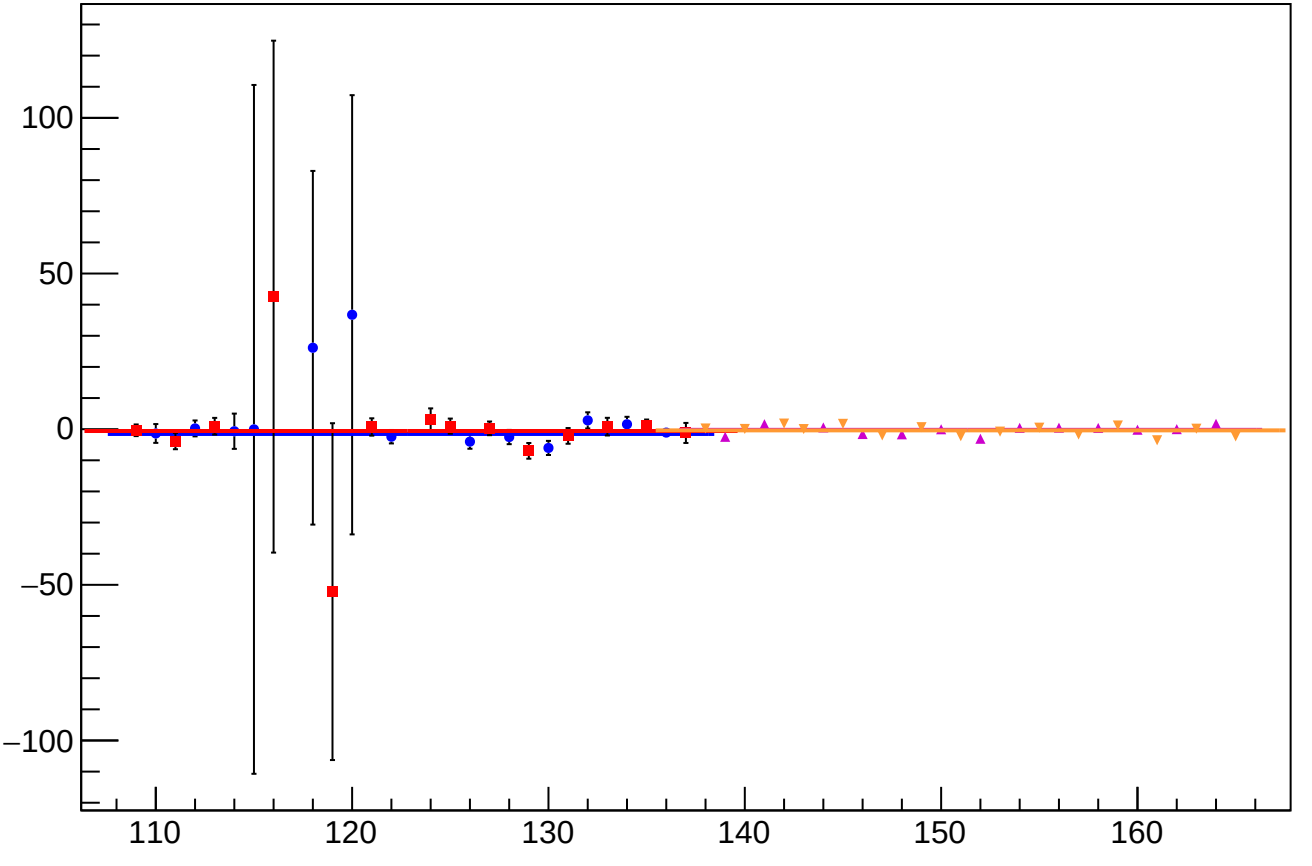
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3881.617+/-0.654 χ^2/NDF:923977.9/28

Out: 3806.012+/-0.624 χ^2/NDF:1080586.6/33

All: 3842.016+/-0.451 χ^2/NDF: 2011566.5/62

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.383+/-0.297 χ^2/NDF:26.1/14

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.217+/-0.307 χ^2/NDF:20.2/12

Left: -0.303+/-0.214 χ^2/NDF: 46.4/27

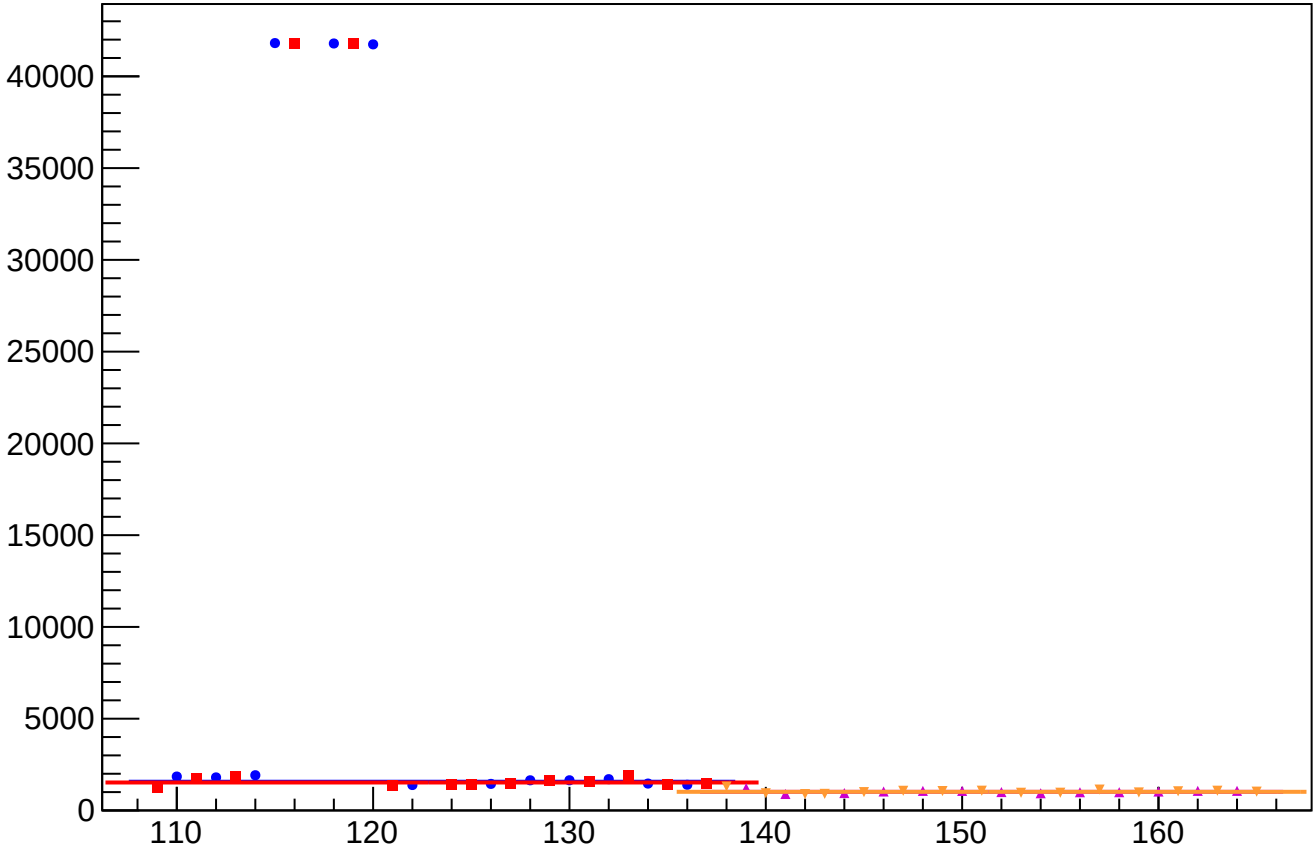
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.414+/-0.283 χ^2/NDF:34.0/25

Out: -0.413+/-0.275 χ^2/NDF:38.8/28

All: -0.413+/-0.197 χ^2/NDF: 72.9/54

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.655+/-0.210 χ^2/NDF:177346.8/14

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1012.699+/-0.217 χ^2/NDF:114310.5/12

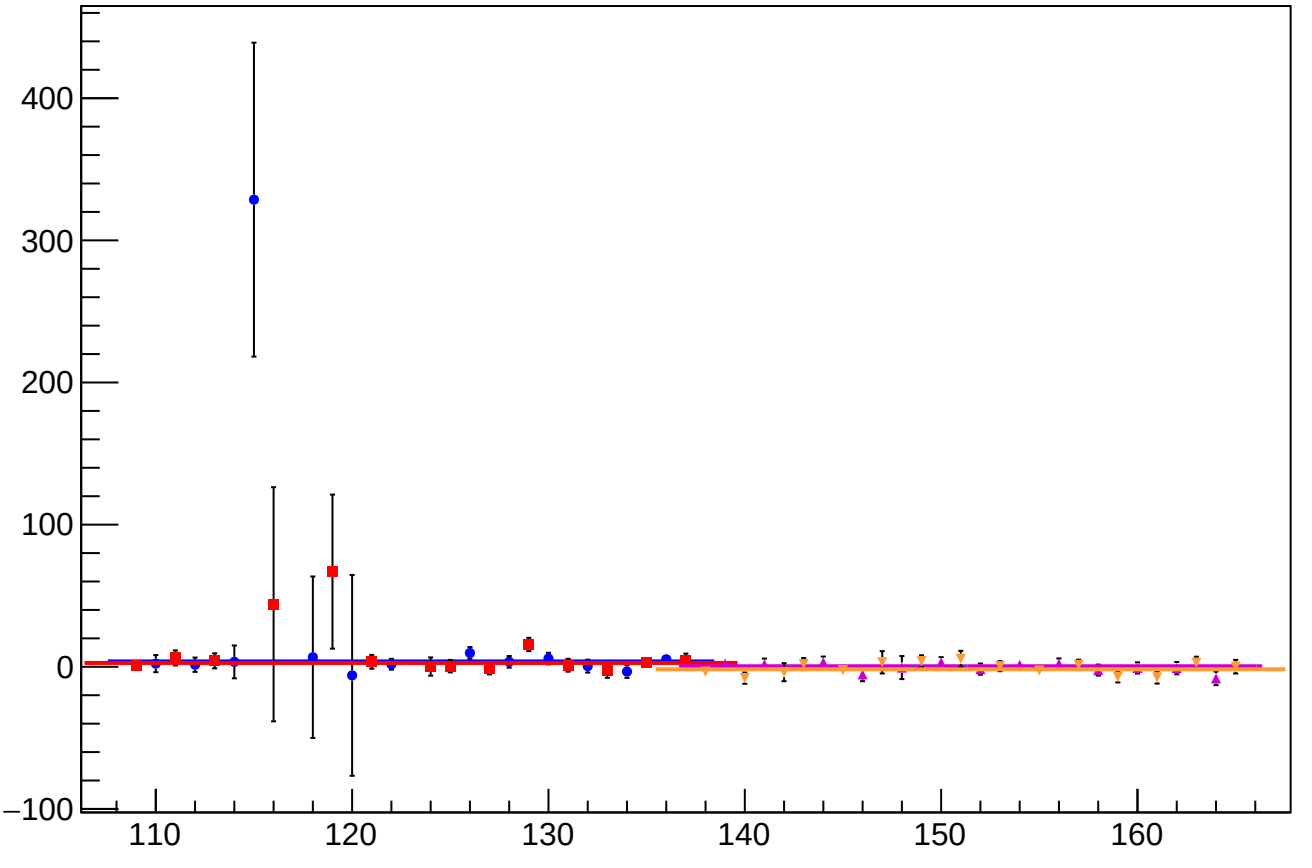
Left: 1014.227+/-0.151 χ^2/NDF: 291752.9/27

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1095.205+/-0.200 χ^2/NDF:3095260.7/25

Out: 1090.135+/-0.194 χ^2/NDF:2773629.0/28

All: 1092.590+/-0.139 χ^2/NDF: 5869219.9/54



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.770+/-0.994 χ^2/NDF:14.0/14

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.368+/-1.036 χ^2/NDF:7.8/12

Left: -0.746+/-0.717 χ^2/NDF: 24.0/27

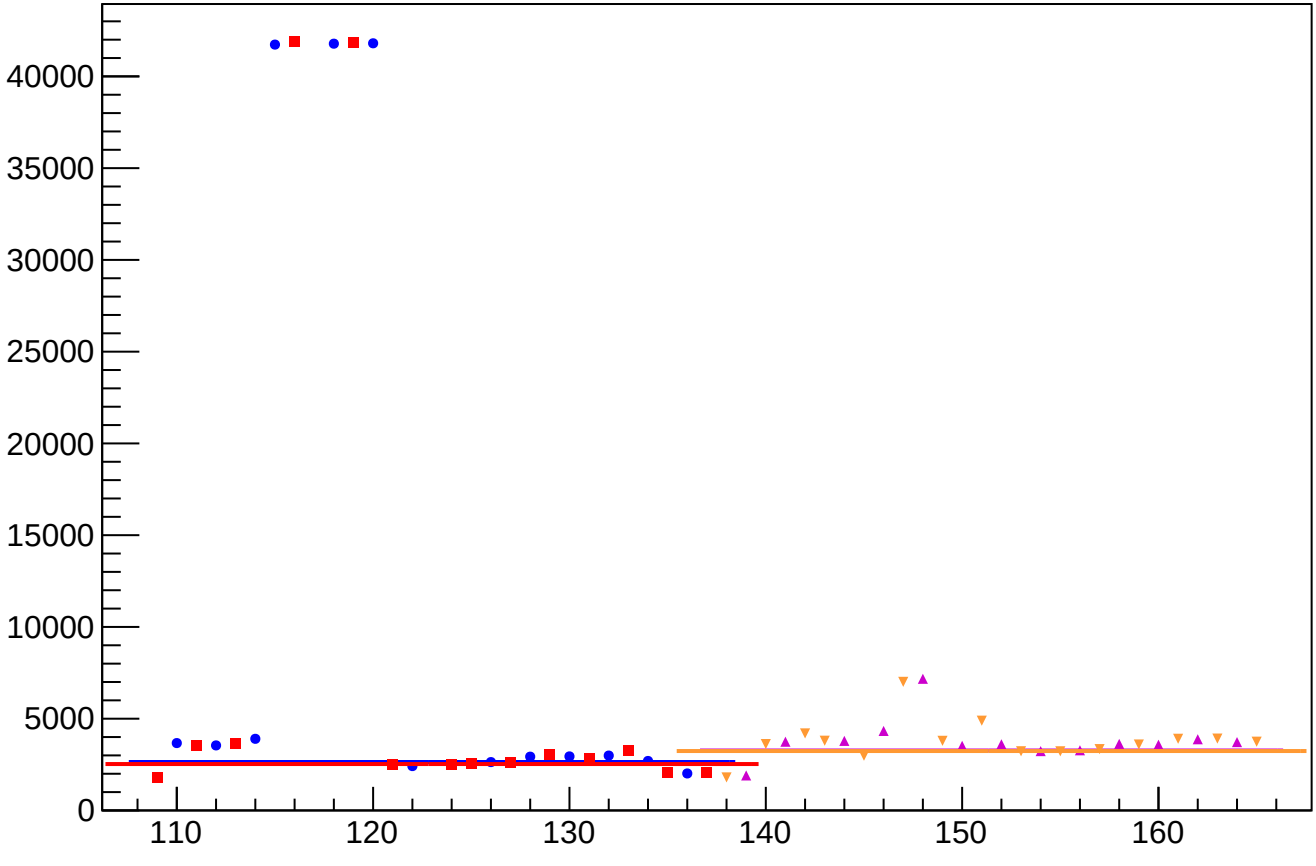
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.758+/-0.797 χ^2/NDF:27.3/25

Out: 0.032+/-0.768 χ^2/NDF:35.8/28

All: 0.863+/-0.553 χ^2/NDF: 65.6/54

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3237.769+/-0.703 χ^2/NDF:1858321.5/14

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3267.165+/-0.733 χ^2/NDF:1567440.4/12

Left: 3251.850+/-0.507 χ^2/NDF: 3426600.5/27

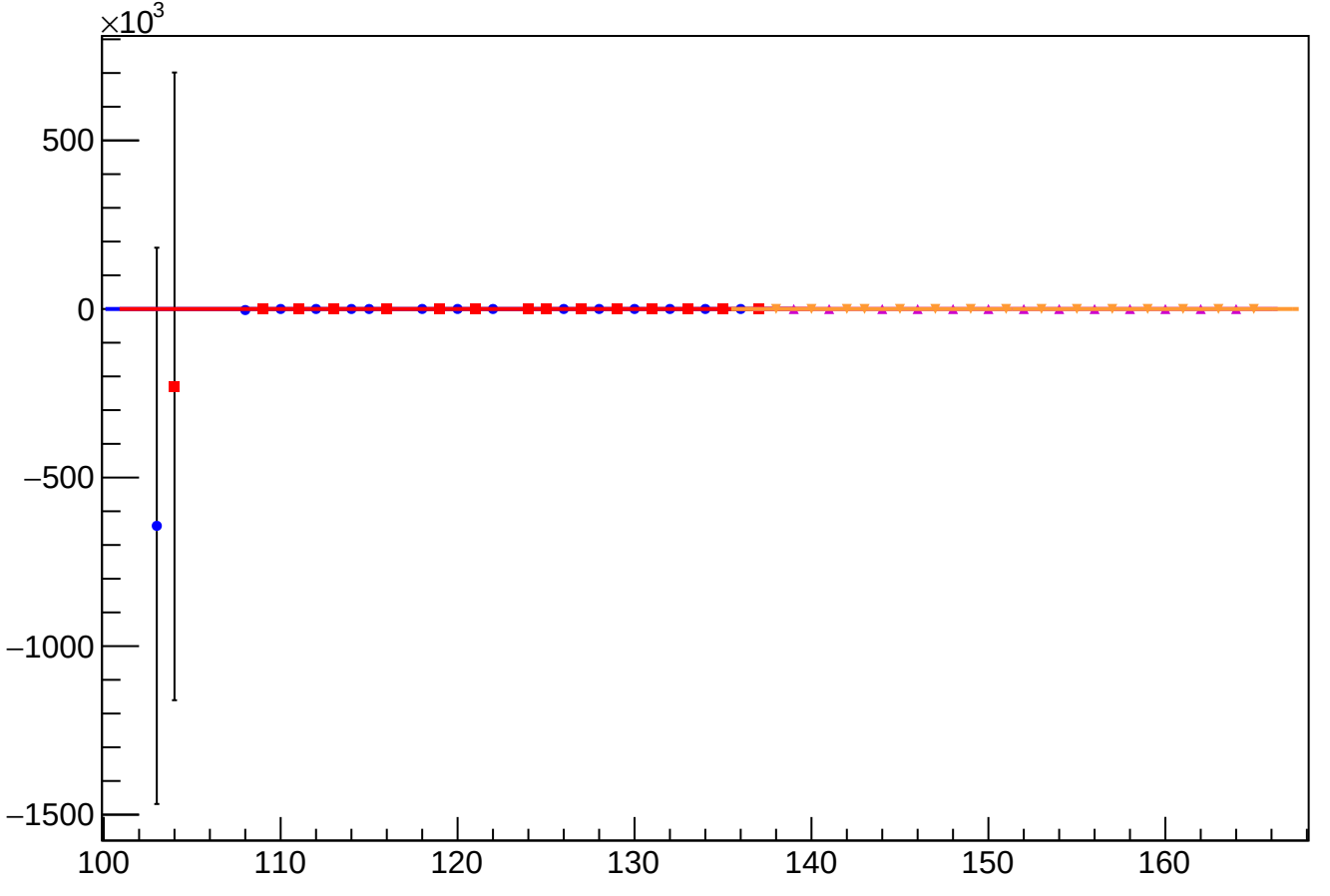
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3011.290+/-0.564 χ^2/NDF:4039766.7/25

Out: 2952.587+/-0.543 χ^2/NDF:4217711.1/28

All: 2980.844+/-0.391 χ^2/NDF: 8263100.6/54

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.167+/-0.463 χ^2/NDF:26.9/14

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.089+/-0.482 χ^2/NDF:14.0/12

Left: -1.086+/-0.334 χ^2/NDF: 52.4/27

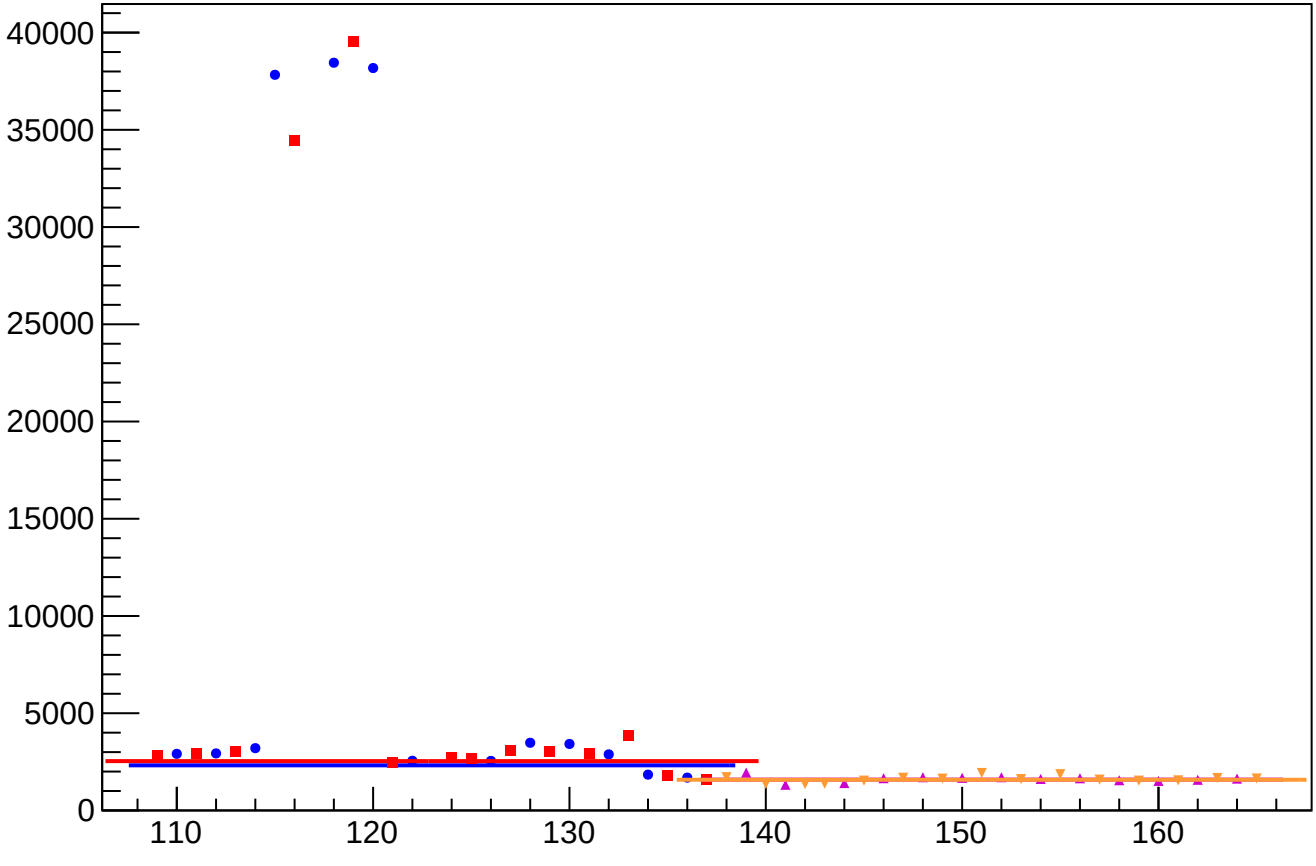
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.113+/-0.443 χ^2/NDF:33.9/27

Out: -1.552+/-0.432 χ^2/NDF:55.3/29

All: -0.851+/-0.309 χ^2/NDF: 94.6/57

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1578.506+/-0.327 χ^2/NDF:225490.1/14

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1586.212+/-0.341 χ^2/NDF:191816.6/12

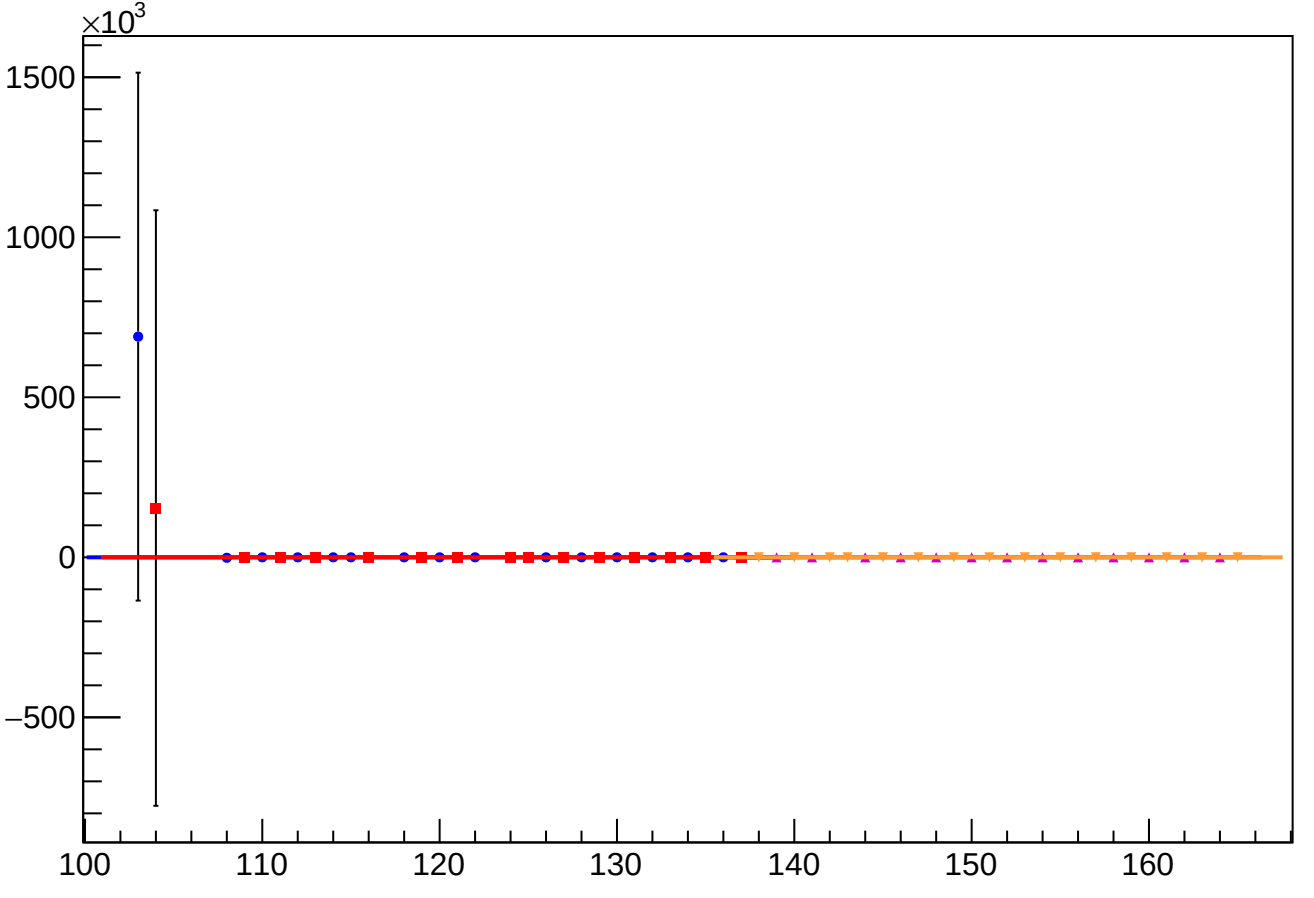
Left: 1582.197+/-0.236 χ^2/NDF: 417572.7/27

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1700.166+/-0.313 χ^2/NDF:3372605.4/25

Out: 1700.572+/-0.306 χ^2/NDF:3358264.9/28

All: 1700.374+/-0.219 χ^2/NDF: 6730871.1/54



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.836+/-0.636 χ^2/NDF:17.6/14

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.306+/-0.628 χ^2/NDF:8.9/12

Left: -0.568+/-0.447 χ^2/NDF: 26.8/27

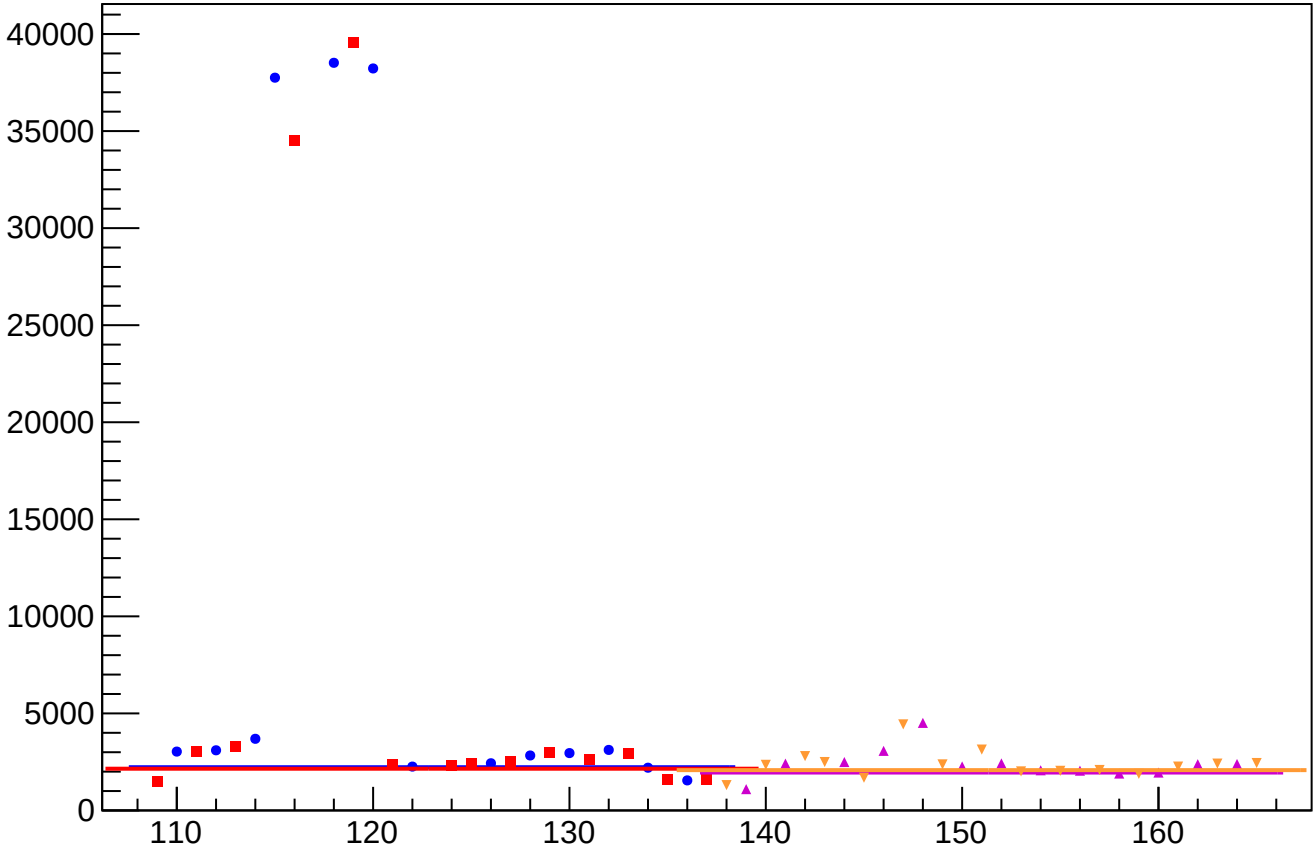
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.205+/-0.543 χ^2/NDF:16.5/27

Out: -0.105+/-0.544 χ^2/NDF:37.8/29

All: 0.050+/-0.384 χ^2/NDF: 54.5/57

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2077.087+/-0.450 χ^2/NDF:1402657.2/14

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1953.775+/-0.444 χ^2/NDF:2096279.5/12

Left: 2014.668+/-0.316 χ^2/NDF: 3536998.1/27

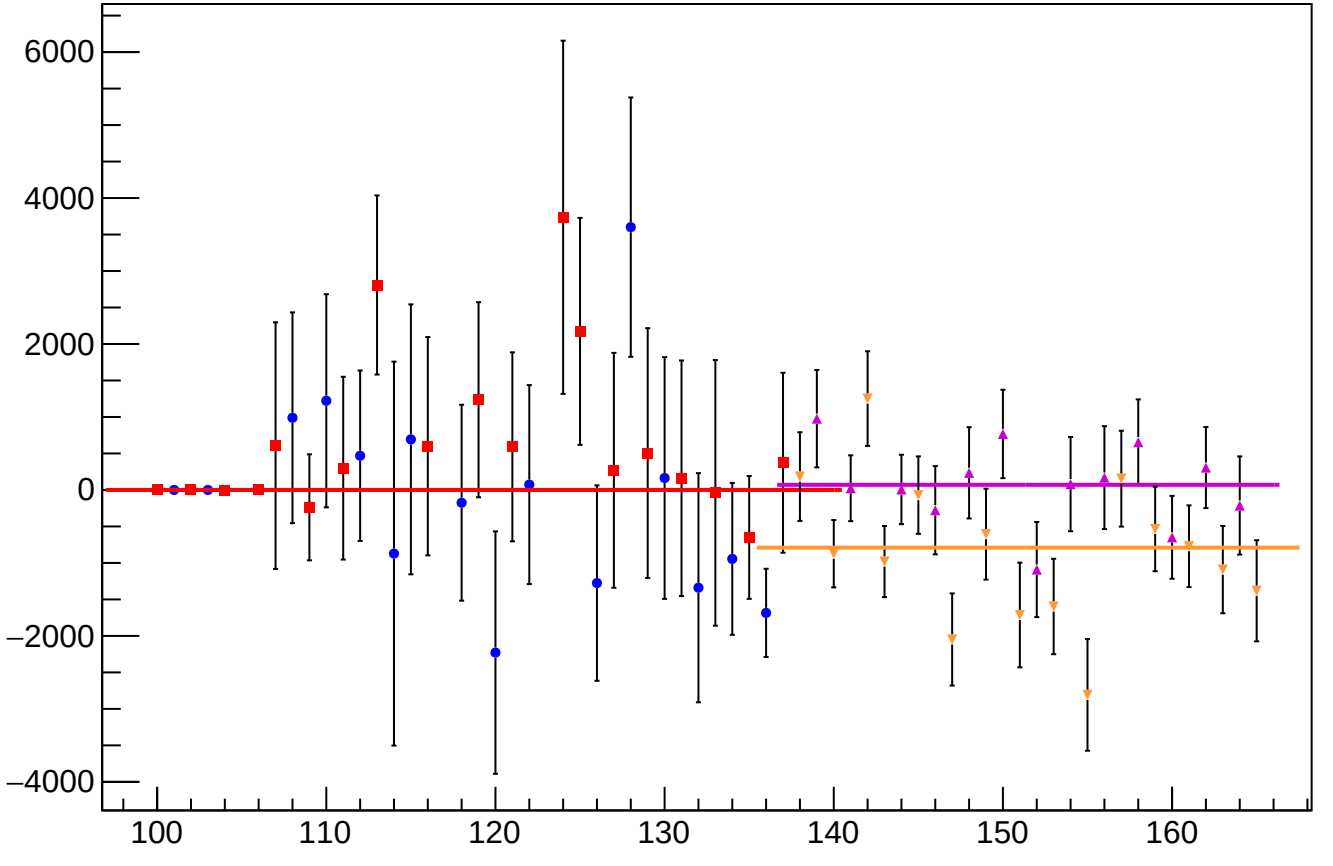
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2023.170+/-0.384 χ^2/NDF:4714655.5/25

Out: 2096.834+/-0.385 χ^2/NDF:3641181.4/28

All: 2059.888+/-0.272 χ^2/NDF: 8374216.0/54

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -790.393+/-154.315 χ^2/NDF:32.0/14

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 70.357+/-162.582 χ^2/NDF:9.8/12

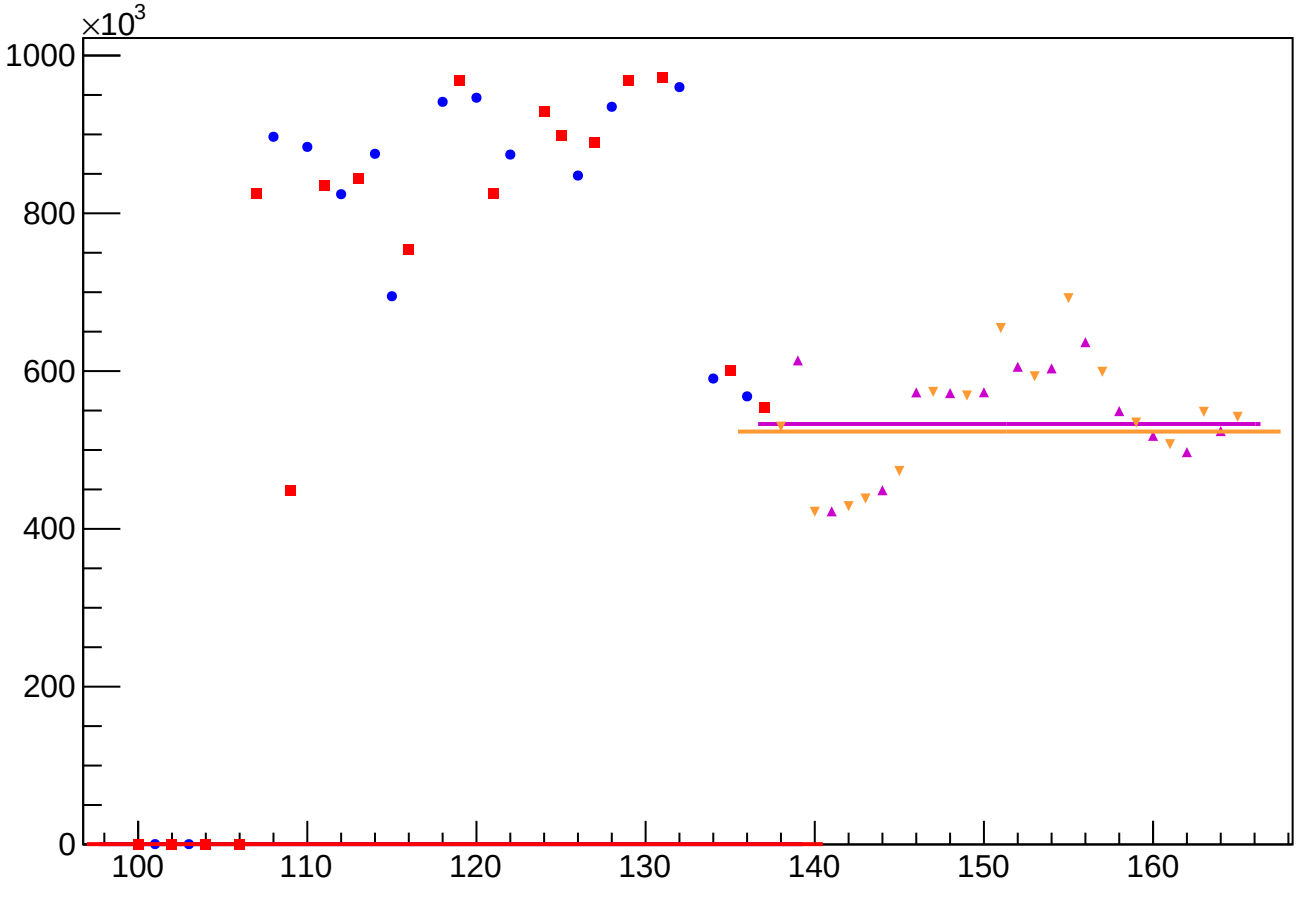
Left: -382.458+/-111.926 χ^2/NDF: 56.5/27

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:27.7/28

Out: -0.099+/-0.328 χ^2/NDF:73.6/33

All: 0.064+/-0.241 χ^2/NDF: 101.8/62



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 523346.754+/-109.117 χ^2/NDF:463033.6/14

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 532952.527+/-114.963 χ^2/NDF:340826.4/12

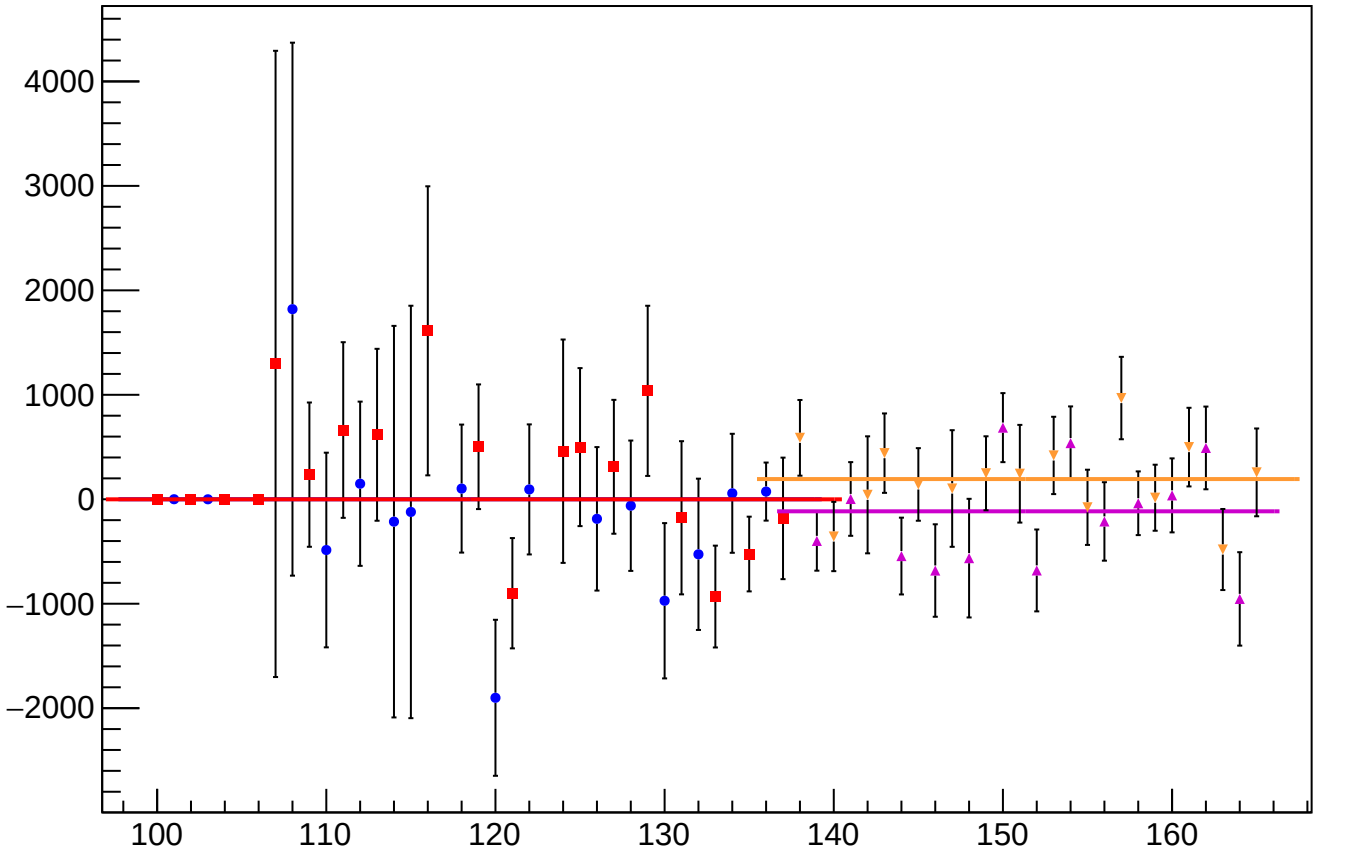
Left: 527899.215+/-79.143 χ^2/NDF: 807532.8/27

Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.429+/-0.251 χ^2/NDF:30291621.8/27

Out: 395.599+/-0.232 χ^2/NDF:31080413.0/32

All: 398.277+/-0.170 χ^2/NDF: 61372325.4/60



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 193.394+/-99.178 χ^2/NDF:13.3/14

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -115.383+/-101.574 χ^2/NDF:22.3/12

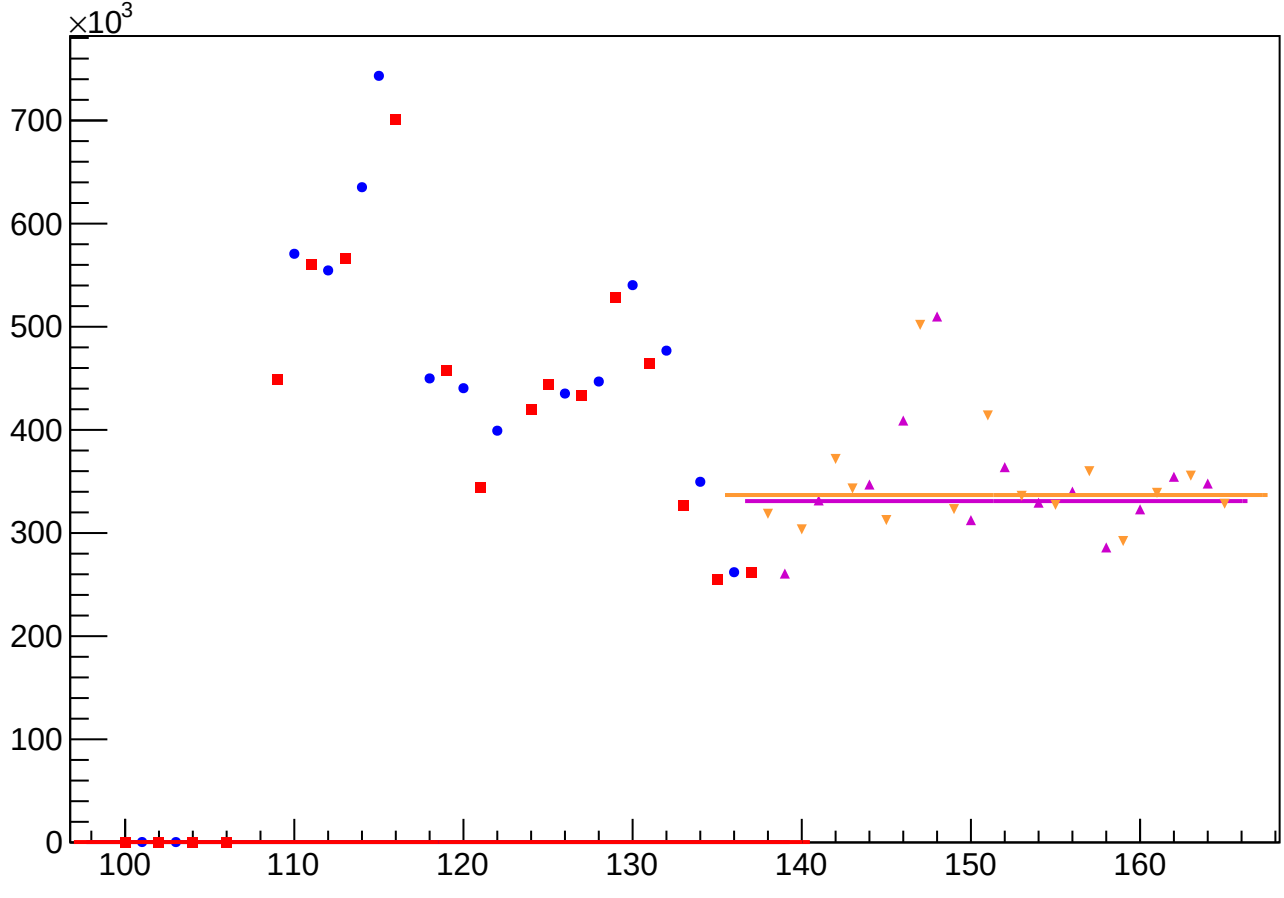
Left: 42.690+/-70.961 χ^2/NDF: 40.4/27

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:34.1/28

Out: -0.597+/-0.324 χ^2/NDF:32.2/33

All: -0.329+/-0.237 χ^2/NDF: 67.7/62



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 336859.803+/-70.129 χ^2/NDF:329050.0/14

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 330965.189+/-71.829 χ^2/NDF:462126.4/12

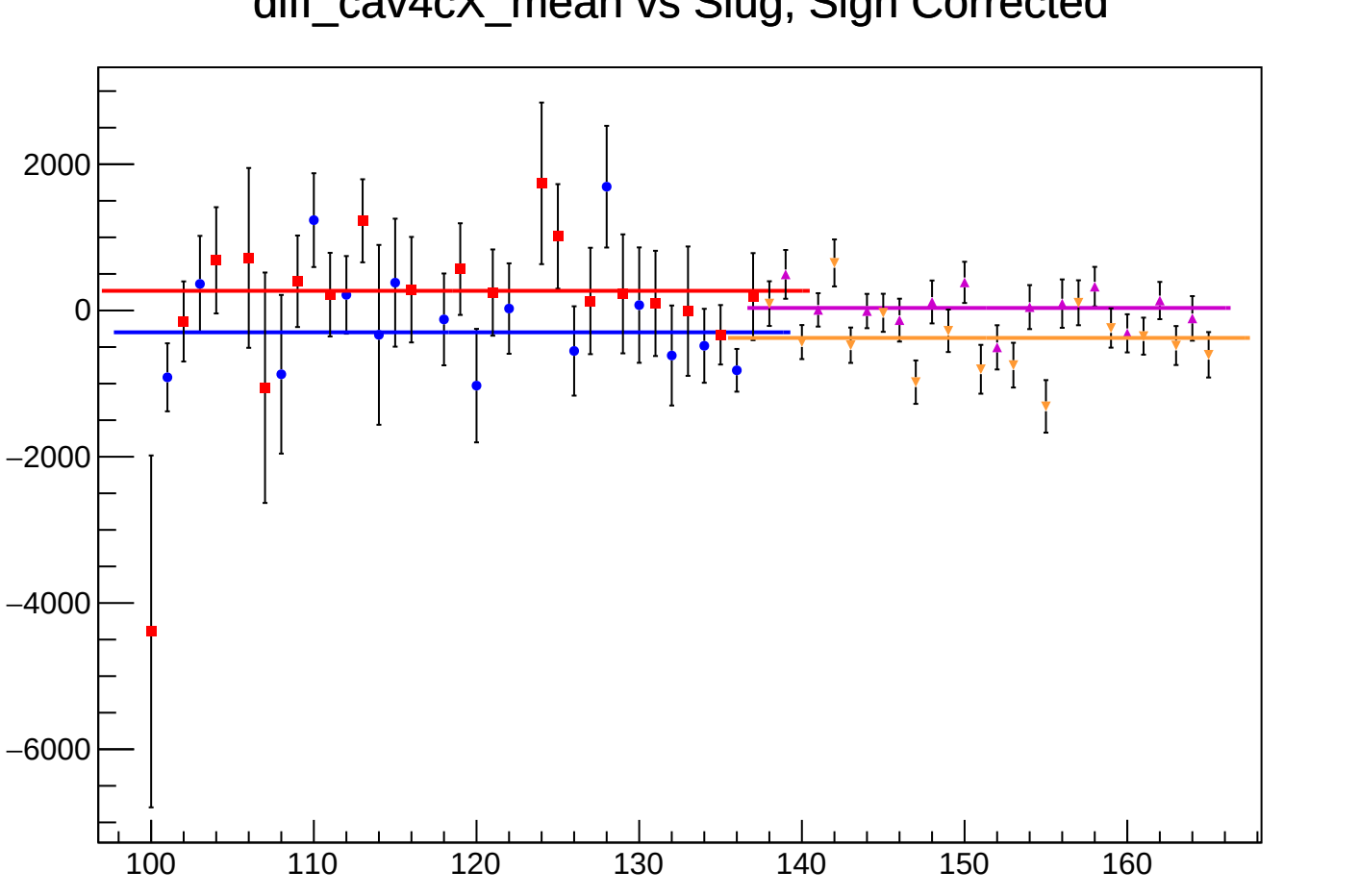
Left: 333983.073+/-50.179 χ^2/NDF: 794624.3/27

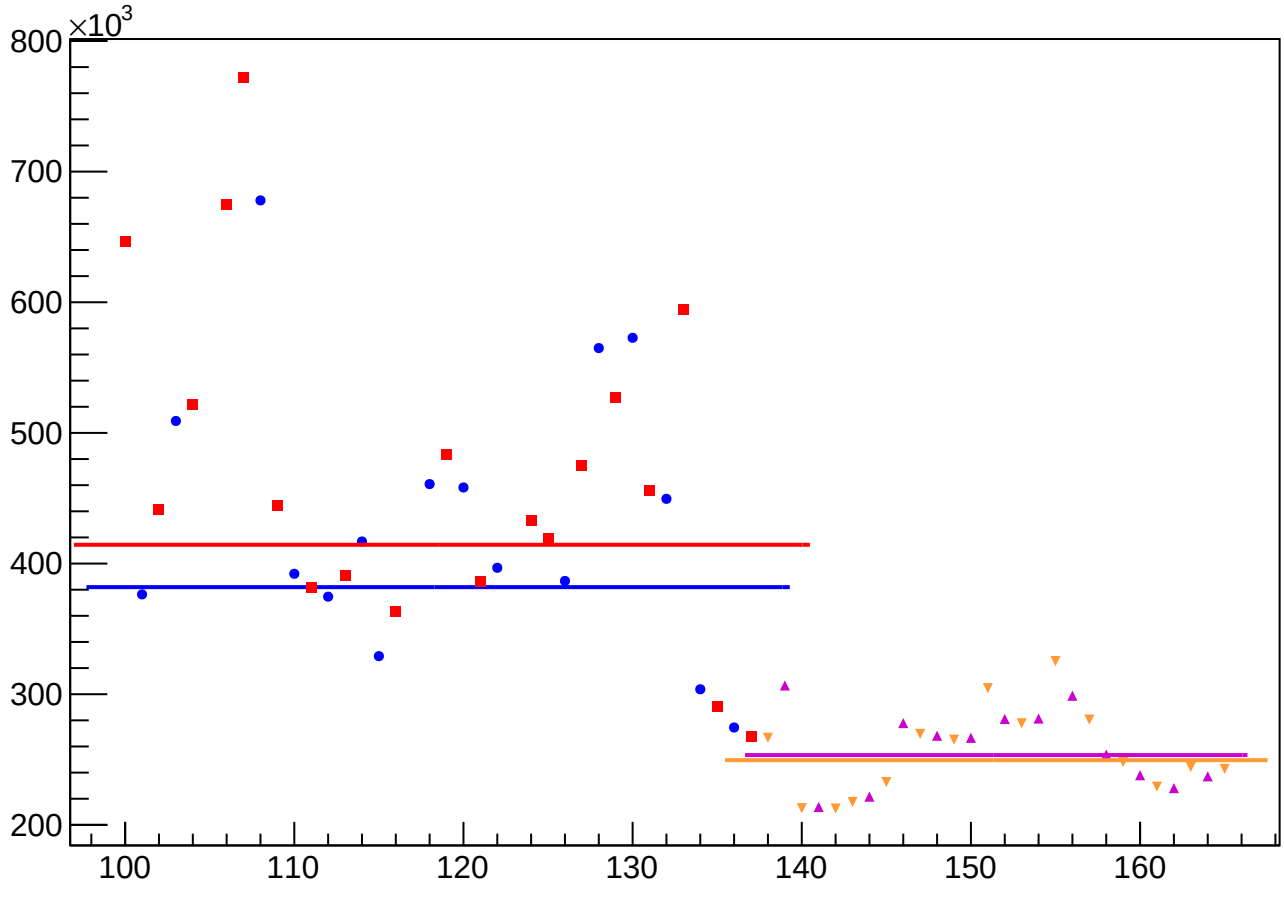
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

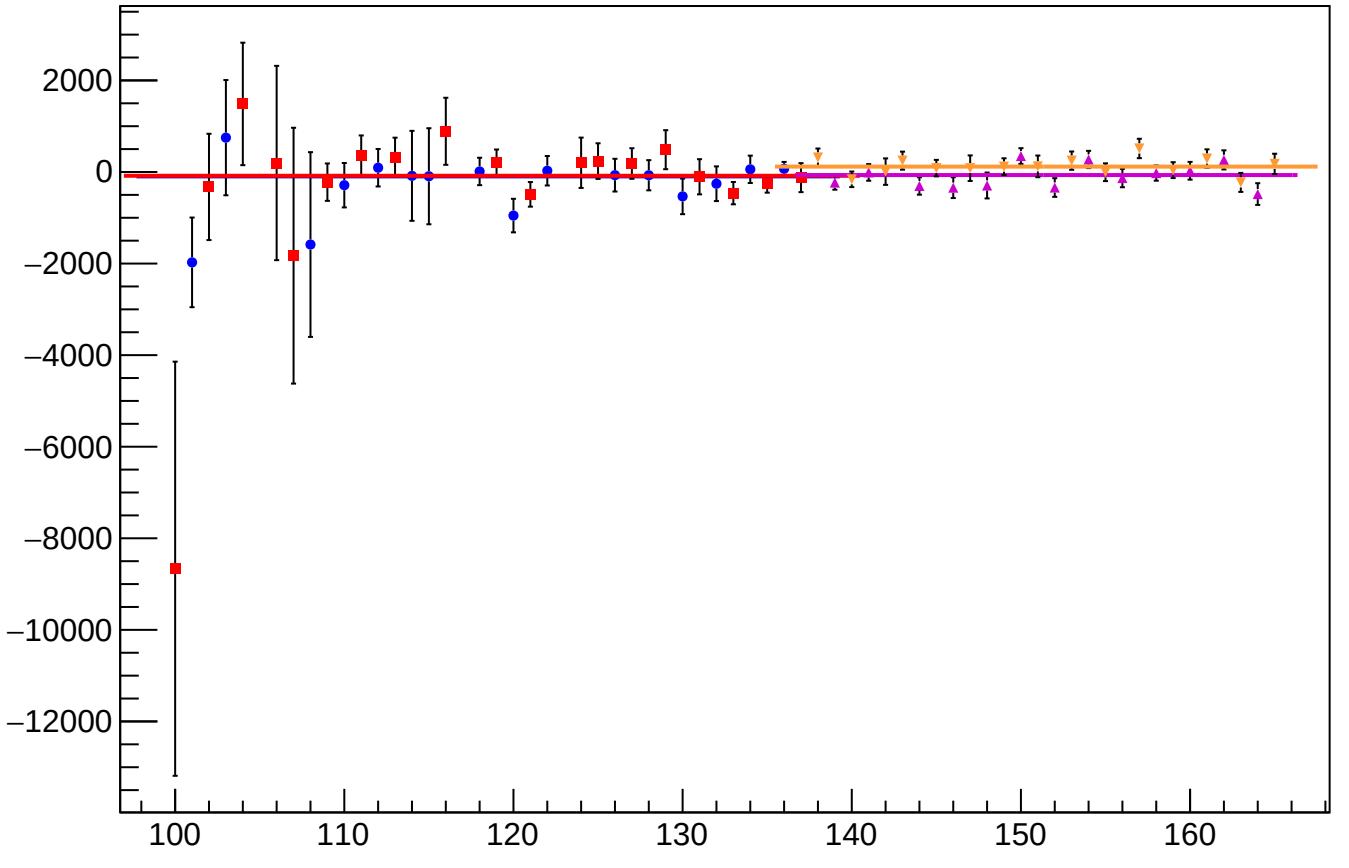
In: 394.136+/-0.245 χ^2/NDF:32774763.2/27

Out: 391.571+/-0.229 χ^2/NDF:34422836.3/32

All: 392.764+/-0.167 χ^2/NDF: 67197657.9/60


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -375.149+/-73.342 χ²/NDF:32.1/14
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 34.452+/-77.169 χ²/NDF:10.4/12
Left: -180.755+/-53.162 χ²/NDF: 57.3/27
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -37.148+/-68.363 χ²/NDF:35.6/28
Out: -259.273+/-66.417 χ²/NDF:59.9/33
All: -151.416+/-47.637 χ²/NDF: 100.9/62


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 249524.026+/-51.861 χ²/NDF:336527.0/14
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 253436.602+/-54.567 χ²/NDF:275870.6/12
Left: 251380.906+/-37.591 χ²/NDF: 615098.9/27
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 281087.032+/-48.342 χ²/NDF:2305839.9/28
Out: 279172.271+/-46.966 χ²/NDF:2913883.4/33
All: 280102.024+/-33.686 χ²/NDF: 5220530.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 117.348+/-52.290 χ^2/NDF:12.5/14

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -66.933+/-53.830 χ^2/NDF:21.8/12

Left: 27.881+/-37.507 χ^2/NDF: 40.3/27

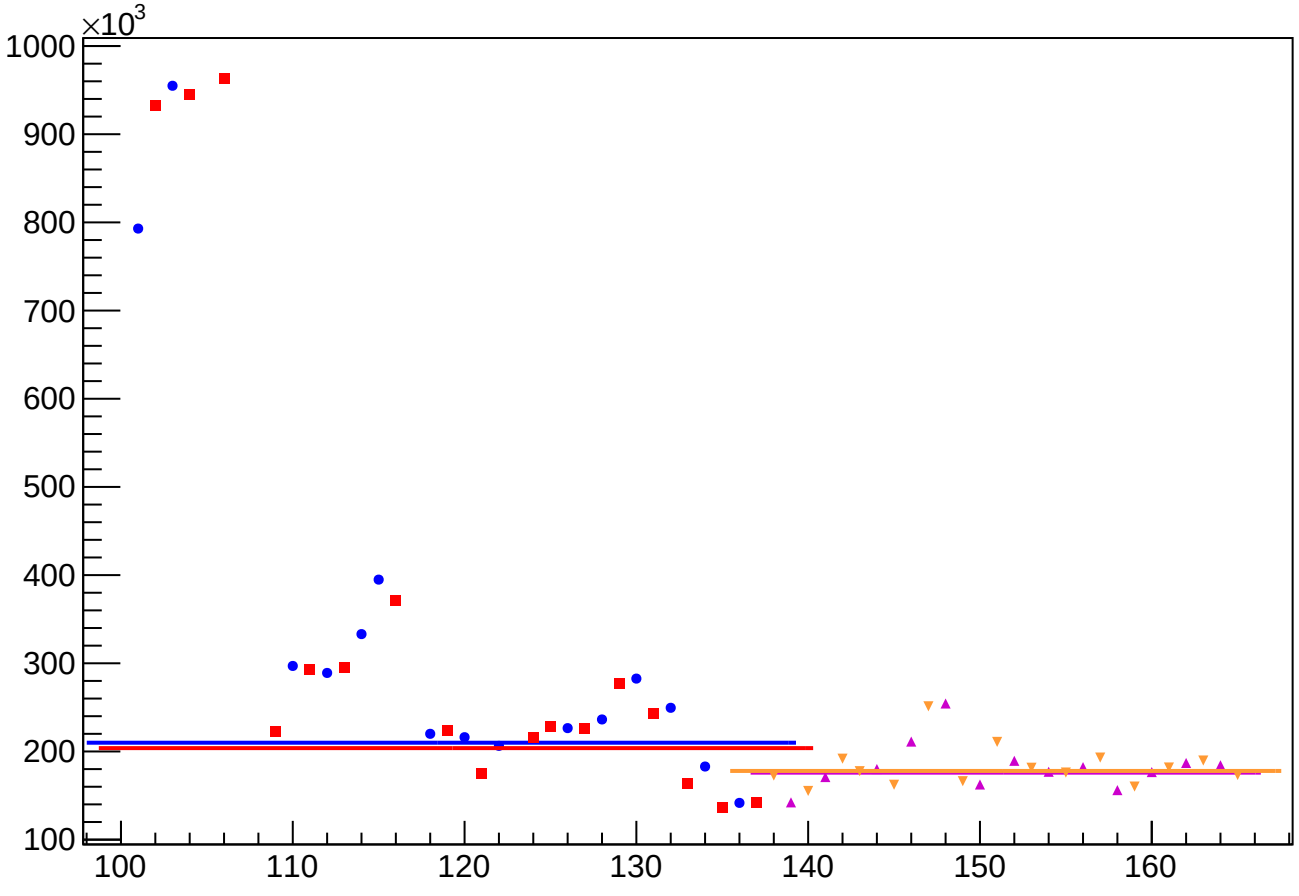
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -74.772+/-45.958 χ^2/NDF:35.5/28

Out: 64.529+/-44.861 χ^2/NDF:35.4/33

All: -3.439+/-32.102 χ^2/NDF: 75.7/62

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177910.616+/-36.974 χ^2/NDF:281818.5/14

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 175970.636+/-38.063 χ^2/NDF:357576.3/12

Left: 176968.769+/-26.521 χ^2/NDF: 640731.3/27

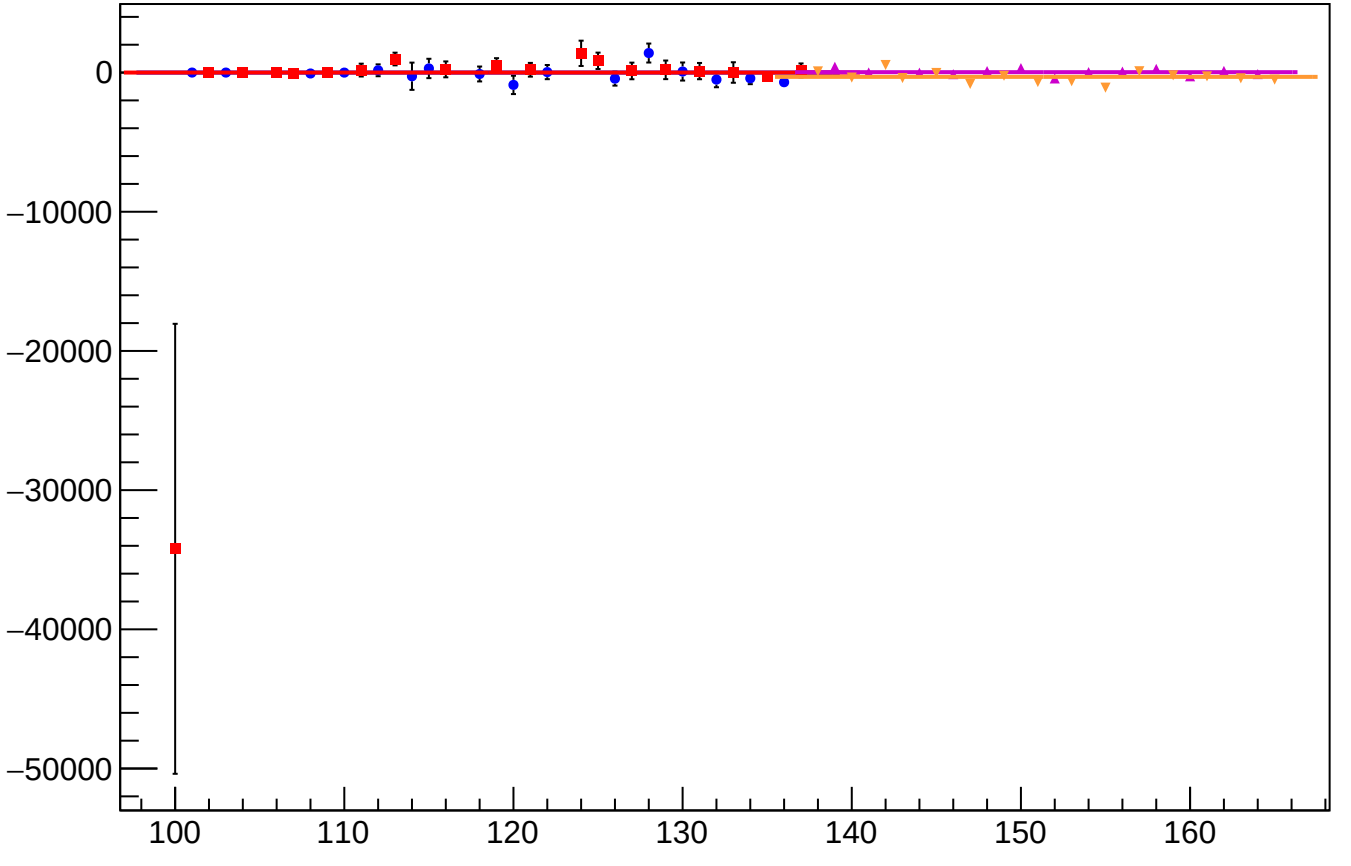
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185153.258+/-32.512 χ^2/NDF:2532703.8/27

Out: 184717.897+/-31.742 χ^2/NDF:2481175.1/31

All: 184930.360+/-22.712 χ^2/NDF: 5013970.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -309.993+/-61.437 χ^2/NDF:32.2/14

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 28.034+/-64.745 χ^2/NDF:10.5/12

Left: -149.835+/-44.566 χ^2/NDF: 57.1/27

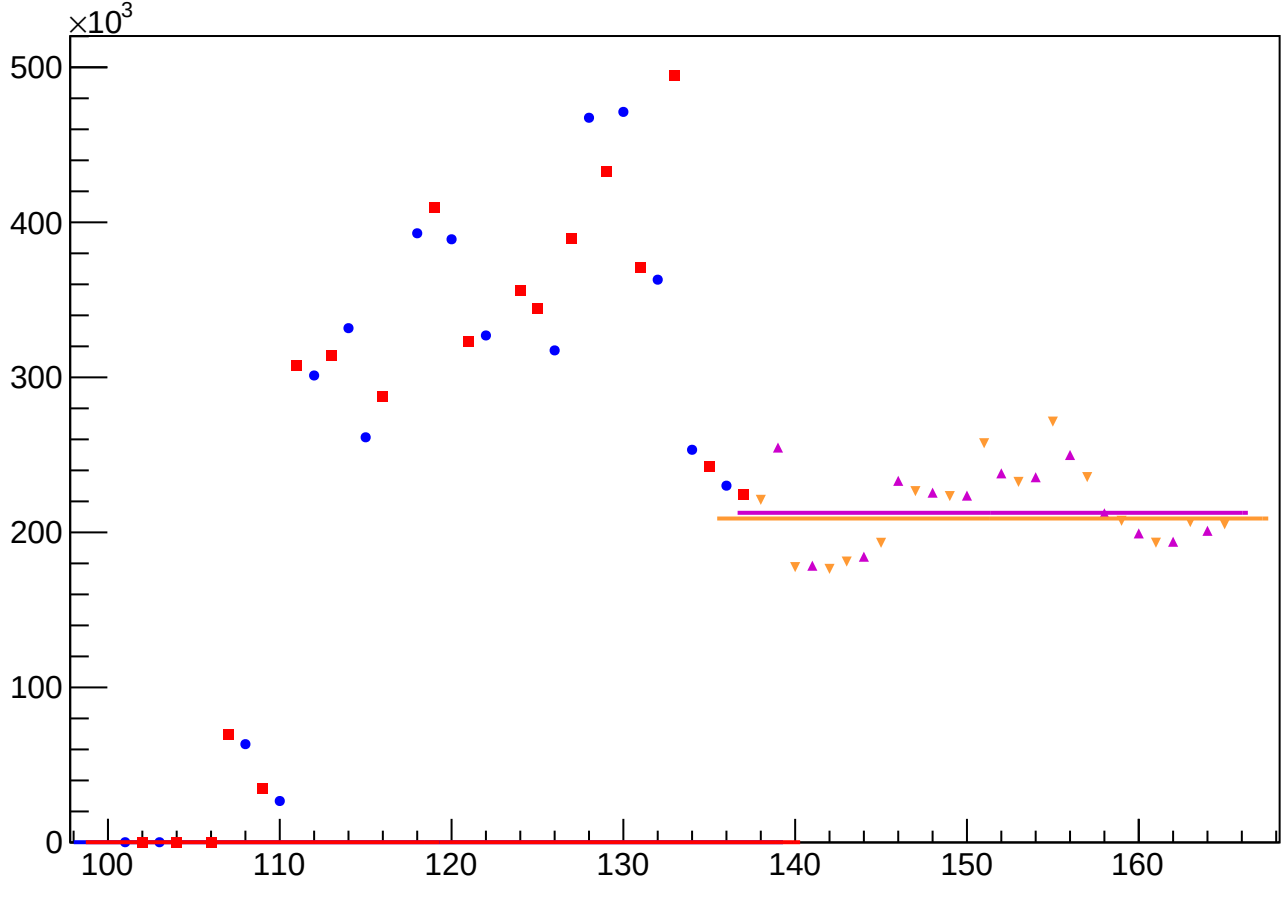
Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:28.8/28

Out: 0.353+/-0.160 χ^2/NDF:74.2/33

All: 0.173+/-0.117 χ^2/NDF: 105.8/62

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208956.281+/-43.443 χ^2/NDF:347734.6/14

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 212635.638+/-45.782 χ^2/NDF:275377.6/12

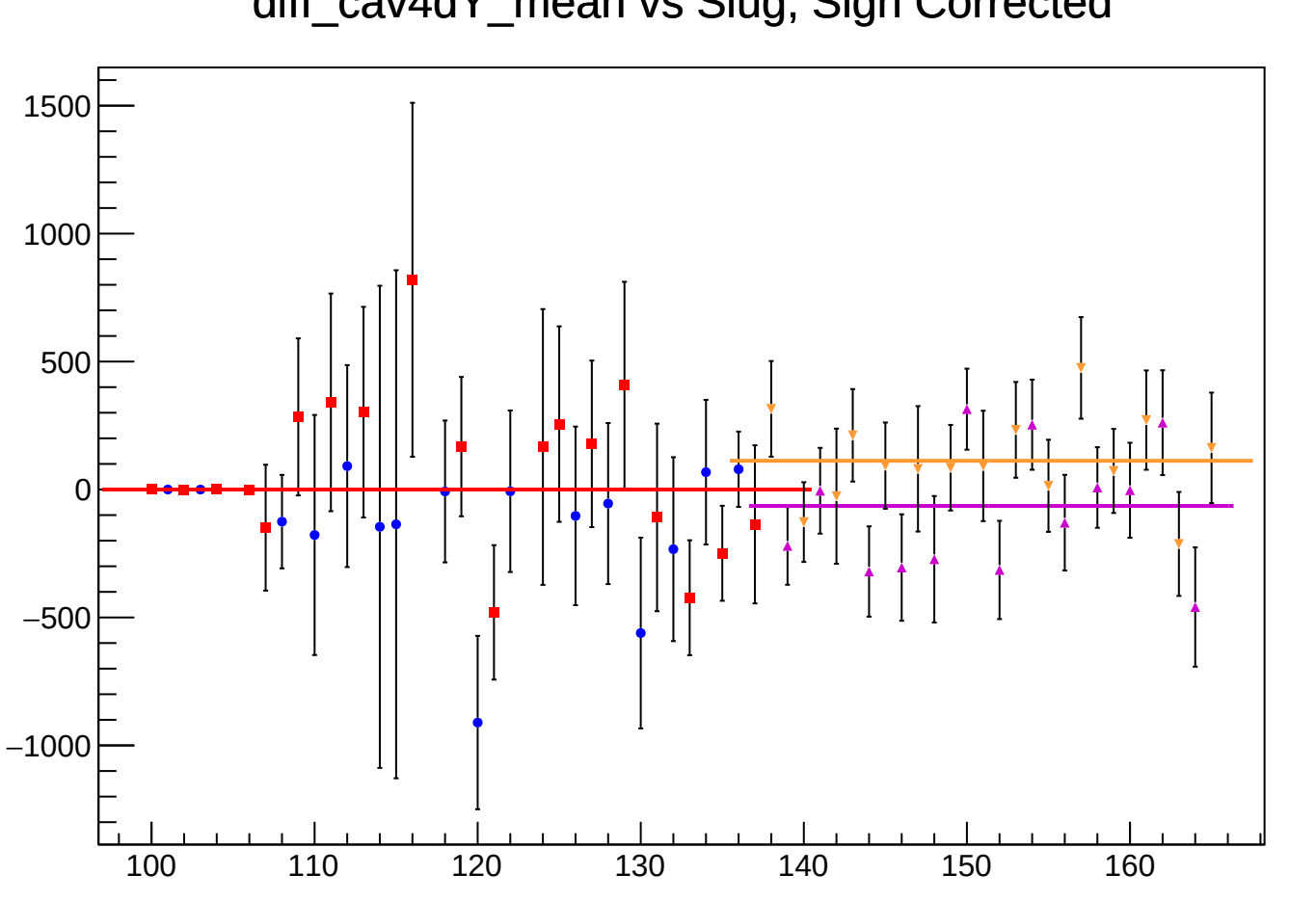
Left: 210699.565+/-31.513 χ^2/NDF: 626511.0/27

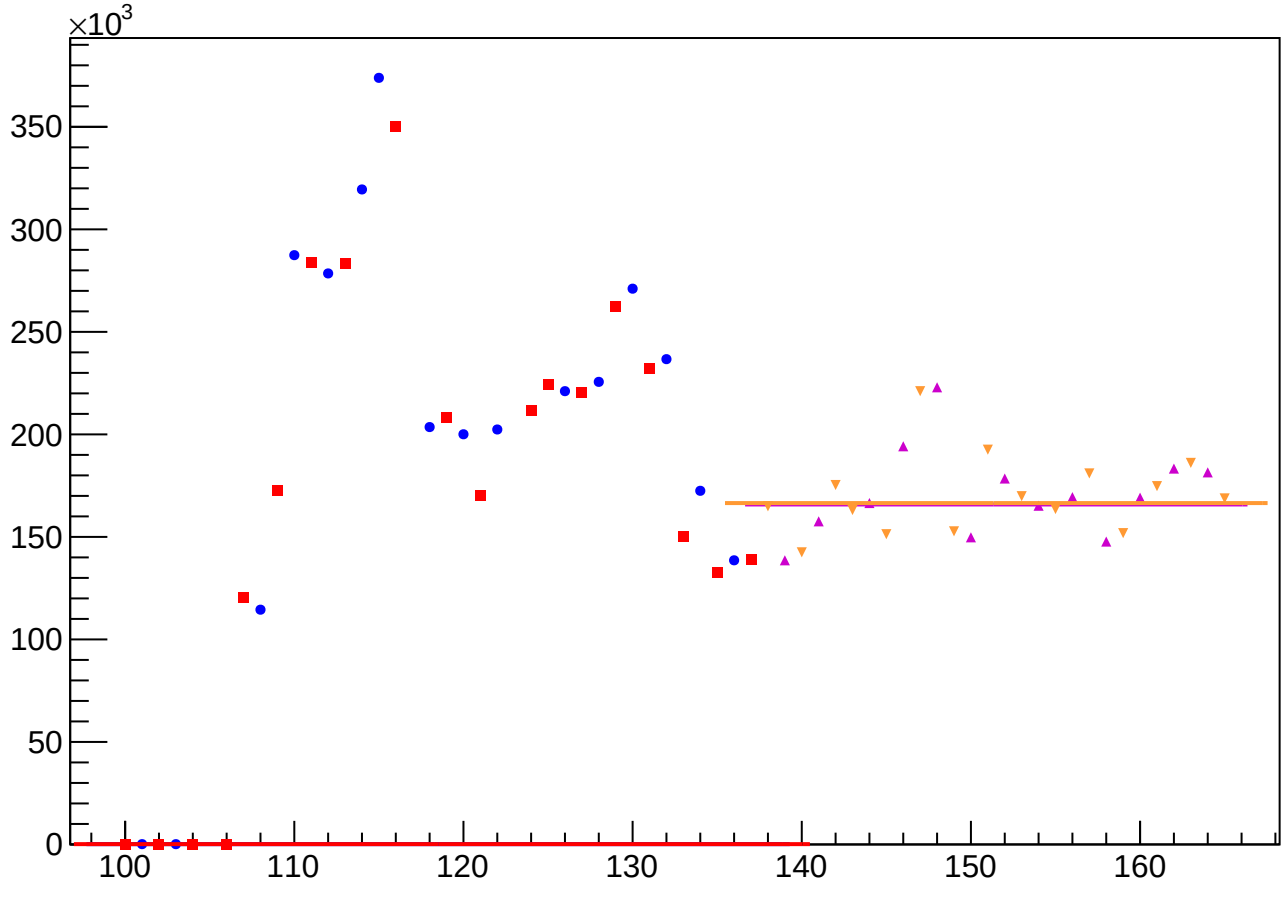
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.596+/-0.122 χ^2/NDF:33118804.2/28

Out: 150.797+/-0.113 χ^2/NDF:34738817.9/32

All: 150.704+/-0.083 χ^2/NDF: 67857623.5/61


diff_cav4dY_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -0.068+/-0.177 χ²/NDF: 11.2/15
Left Out: 112.263+/-48.907 χ²/NDF:11.6/14
Right Out: -0.126+/-0.166 χ²/NDF: 15.2/18
Left In: -64.199+/-50.631 χ²/NDF:21.8/12
Left: 27.089+/-35.176 χ²/NDF: 39.7/27
Right: -0.099+/-0.121 χ²/NDF: 26.5/34
In: -0.069+/-0.177 χ²/NDF:34.6/28
Out: -0.125+/-0.166 χ²/NDF:32.1/33
All: -0.099+/-0.121 χ²/NDF: 66.8/62



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 166499.445+/-34.582 χ^2/NDF:259023.6/14

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165819.400+/-35.802 χ^2/NDF:294135.7/12

Left: 166171.203+/-24.873 χ^2/NDF: 553345.9/27

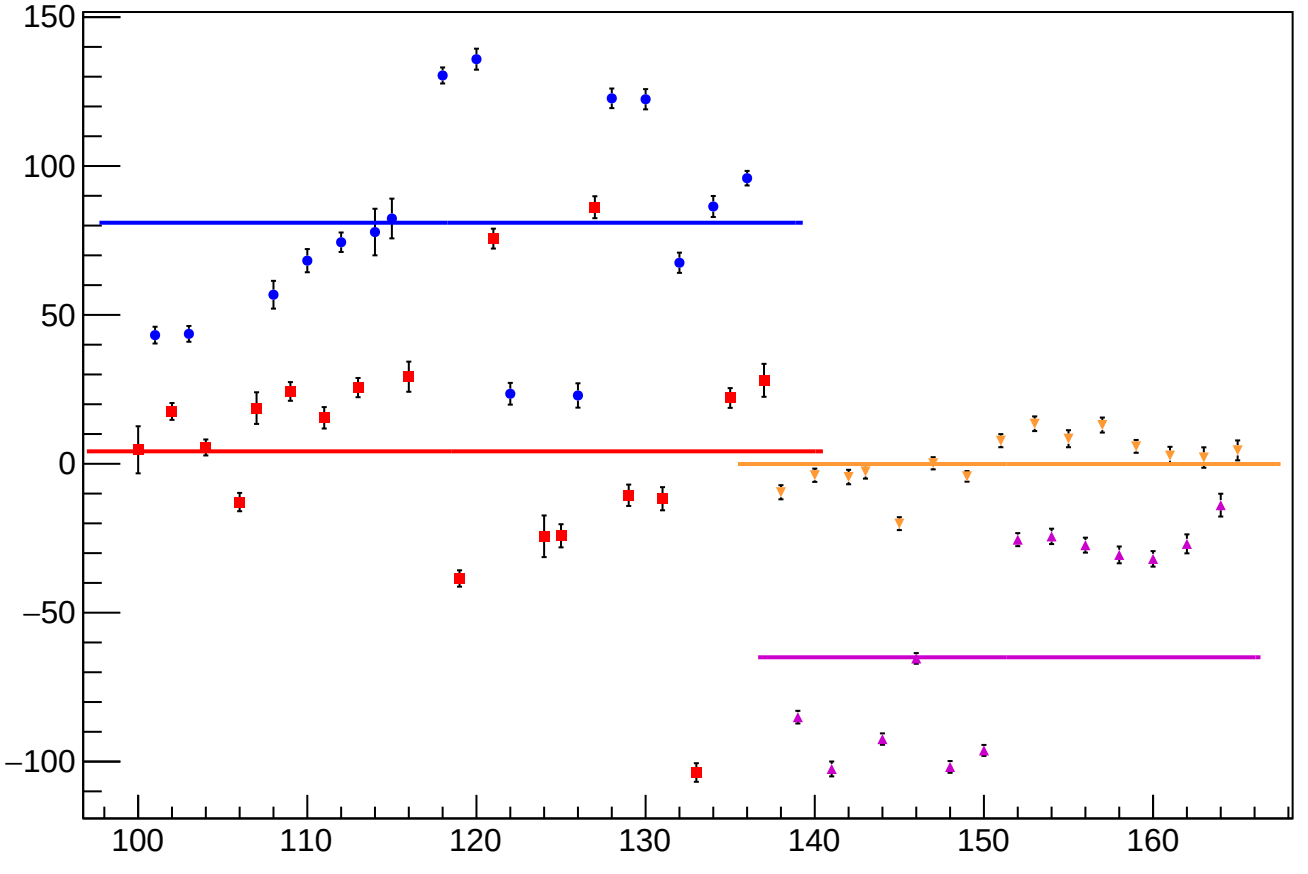
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.490+/-0.125 χ^2/NDF:33610754.9/28

Out: 158.085+/-0.118 χ^2/NDF:34726507.8/33

All: 156.869+/-0.086 χ^2/NDF: 68337490.5/62

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.079+/-0.616 χ^2/NDF:202.7/14

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -64.974+/-0.636 χ^2/NDF:2580.8/12

Left: -31.457+/-0.442 χ^2/NDF: 8157.4/27

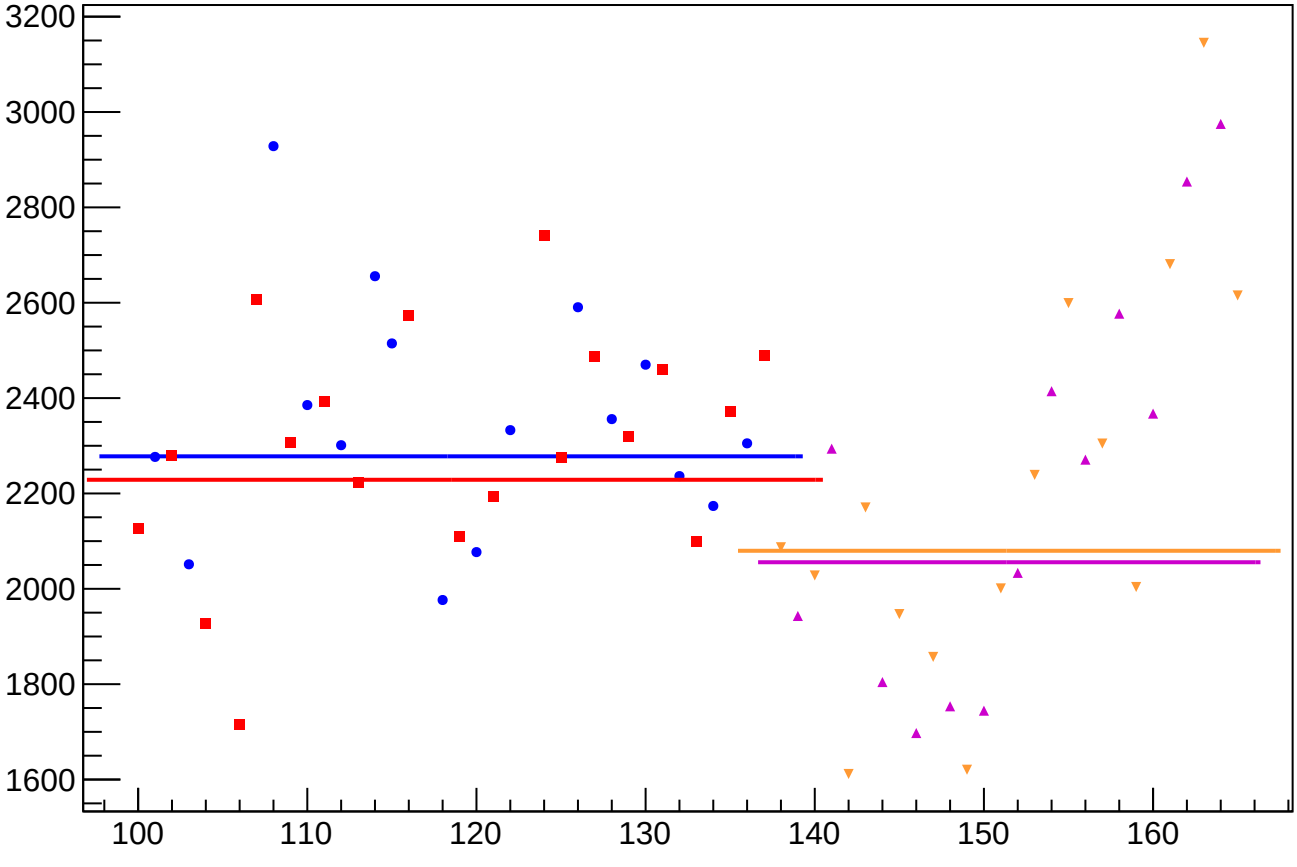
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.692+/-0.510 χ^2/NDF:23244.9/28

Out: 1.457+/-0.492 χ^2/NDF:2939.7/33

All: -5.373+/-0.354 χ^2/NDF: 26583.3/62

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2079.778+/-0.435 χ^2/NDF:663866.7/14

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2055.737+/-0.450 χ^2/NDF:632972.5/12

Left: 2068.154+/-0.313 χ^2/NDF: 1298314.2/27

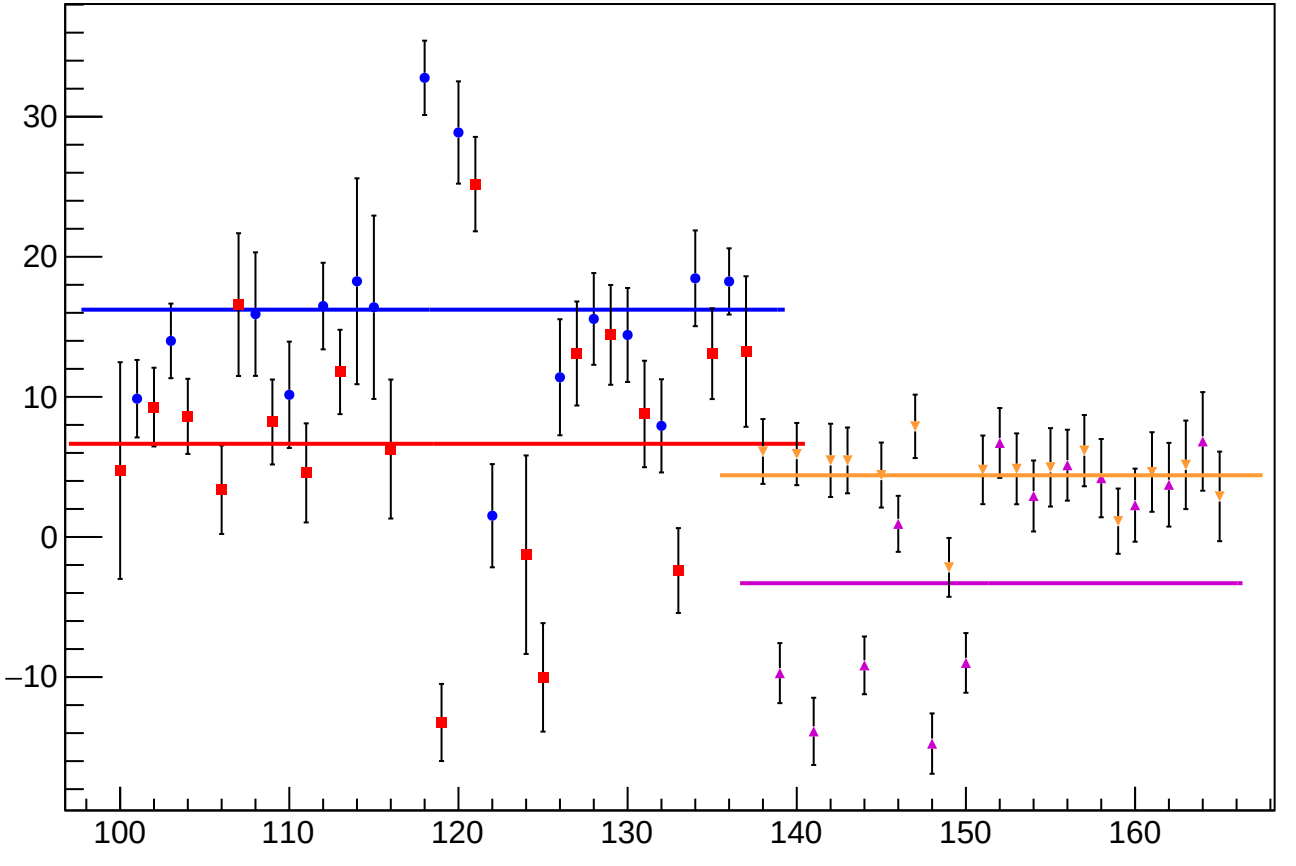
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2135.320+/-0.360 χ^2/NDF:836096.1/28

Out: 2133.440+/-0.348 χ^2/NDF:857179.7/33

All: 2134.348+/-0.250 χ^2/NDF: 1693289.9/62

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.404+/-0.641 χ^2/NDF:16.4/14

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -3.298+/-0.666 χ^2/NDF:135.2/12

Left: 0.703+/-0.462 χ^2/NDF: 221.0/27

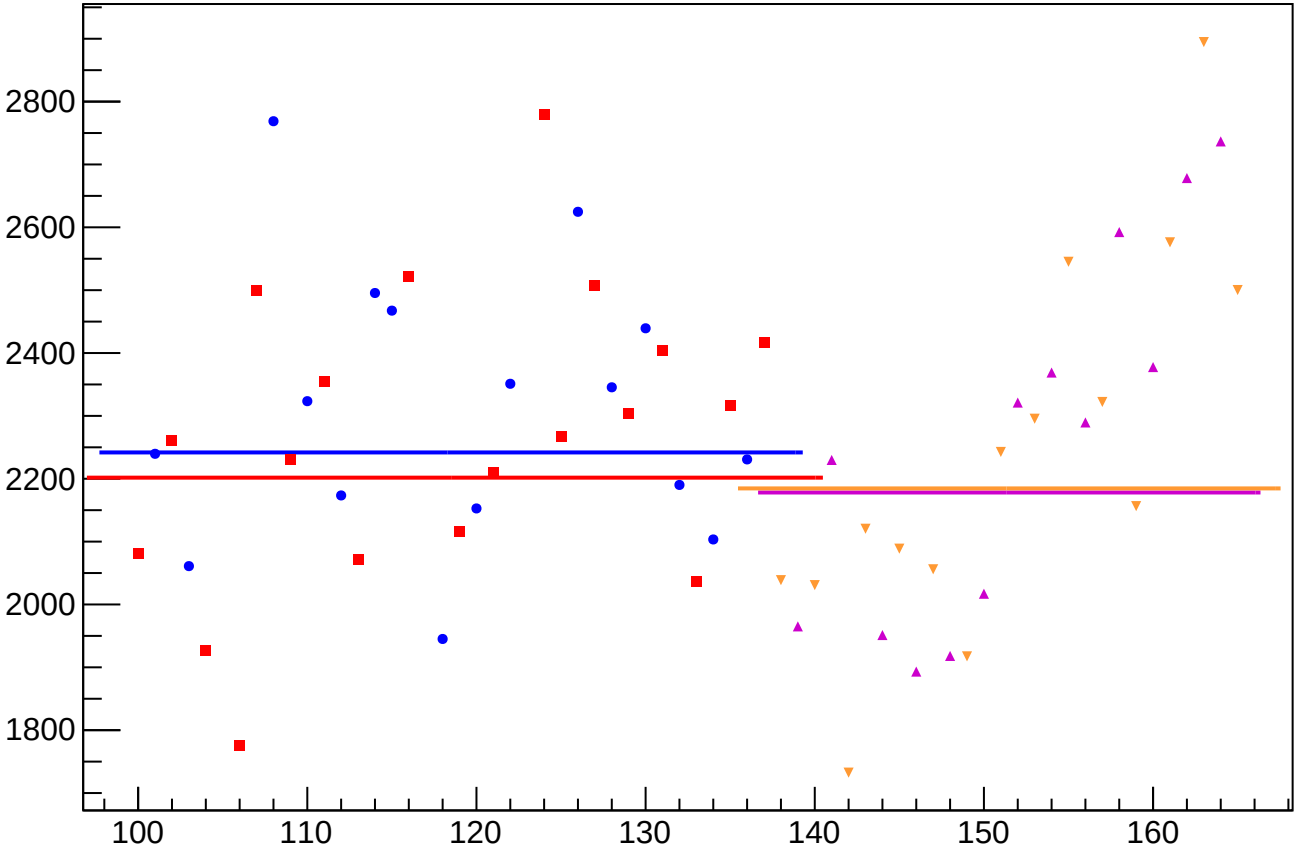
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.266+/-0.521 χ^2/NDF:552.5/28

Out: 5.270+/-0.502 χ^2/NDF:155.7/33

All: 4.787+/-0.362 χ^2/NDF: 710.2/62

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2184.628+/-0.453 χ^2/NDF:323902.0/14

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2178.134+/-0.471 χ^2/NDF:309979.9/12

Left: 2181.507+/-0.327 χ^2/NDF: 633980.6/27

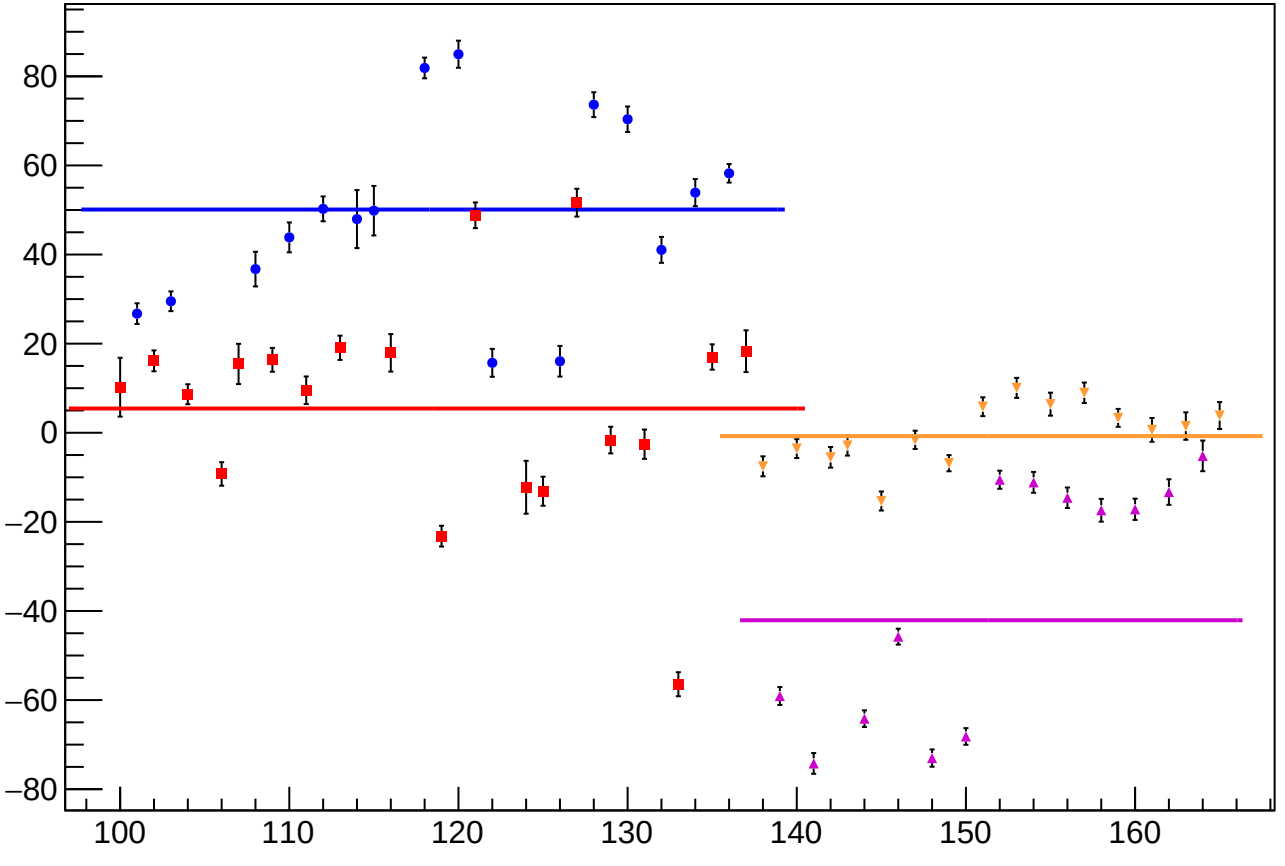
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2202.822+/-0.369 χ^2/NDF:419330.4/28

Out: 2191.220+/-0.355 χ^2/NDF:454334.1/33

All: 2196.805+/-0.256 χ^2/NDF: 874178.0/62

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.760+/-0.584 χ^2/NDF:140.0/14

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -42.087+/-0.605 χ^2/NDF:1833.1/12

Left: -20.702+/-0.420 χ^2/NDF: 4388.1/27

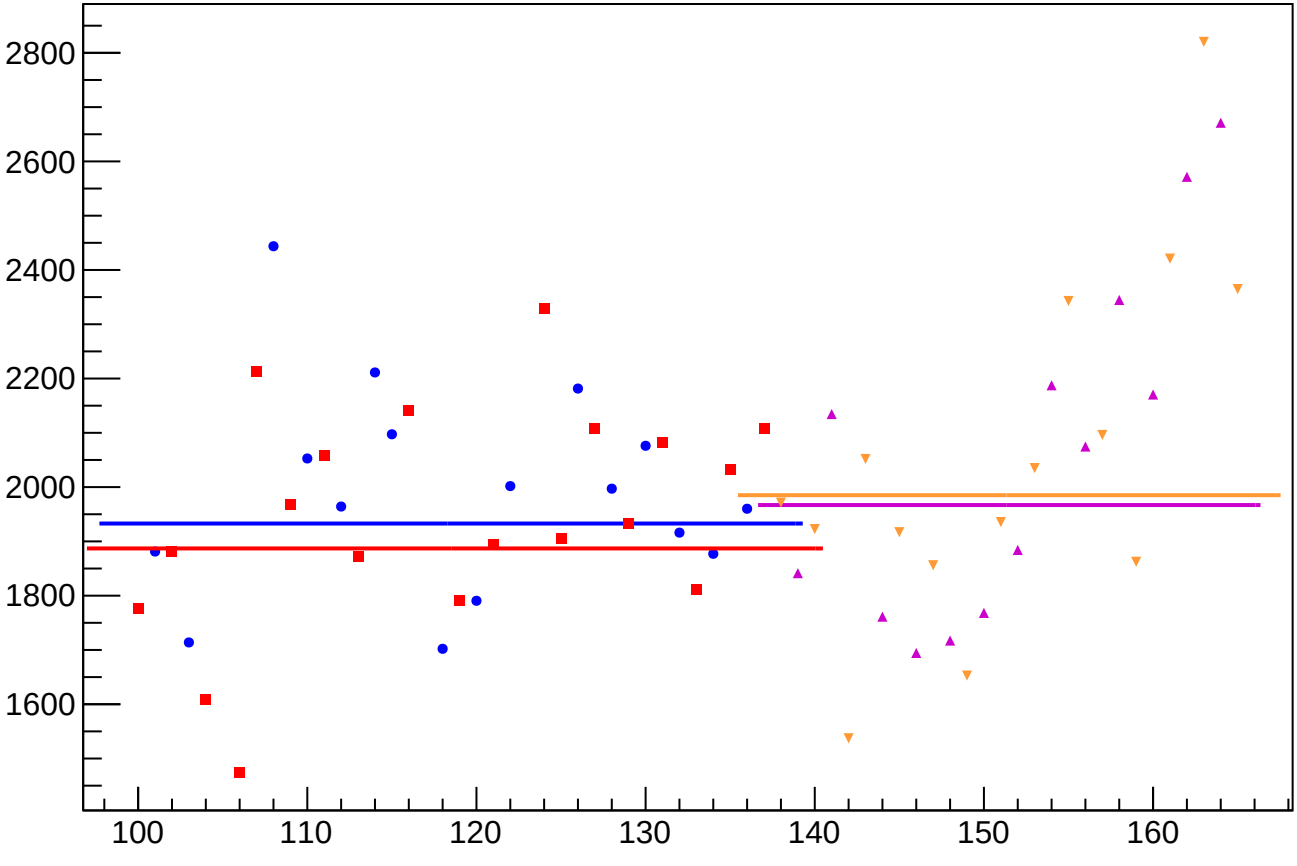
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -4.070+/-0.464 χ^2/NDF:12298.6/28

Out: 1.811+/-0.447 χ^2/NDF:1498.3/33

All: -1.021+/-0.322 χ^2/NDF: 13880.4/62

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1985.099+/-0.413 χ^2/NDF:439788.1/14

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1966.940+/-0.428 χ^2/NDF:400886.7/12

Left: 1976.337+/-0.297 χ^2/NDF: 841607.3/27

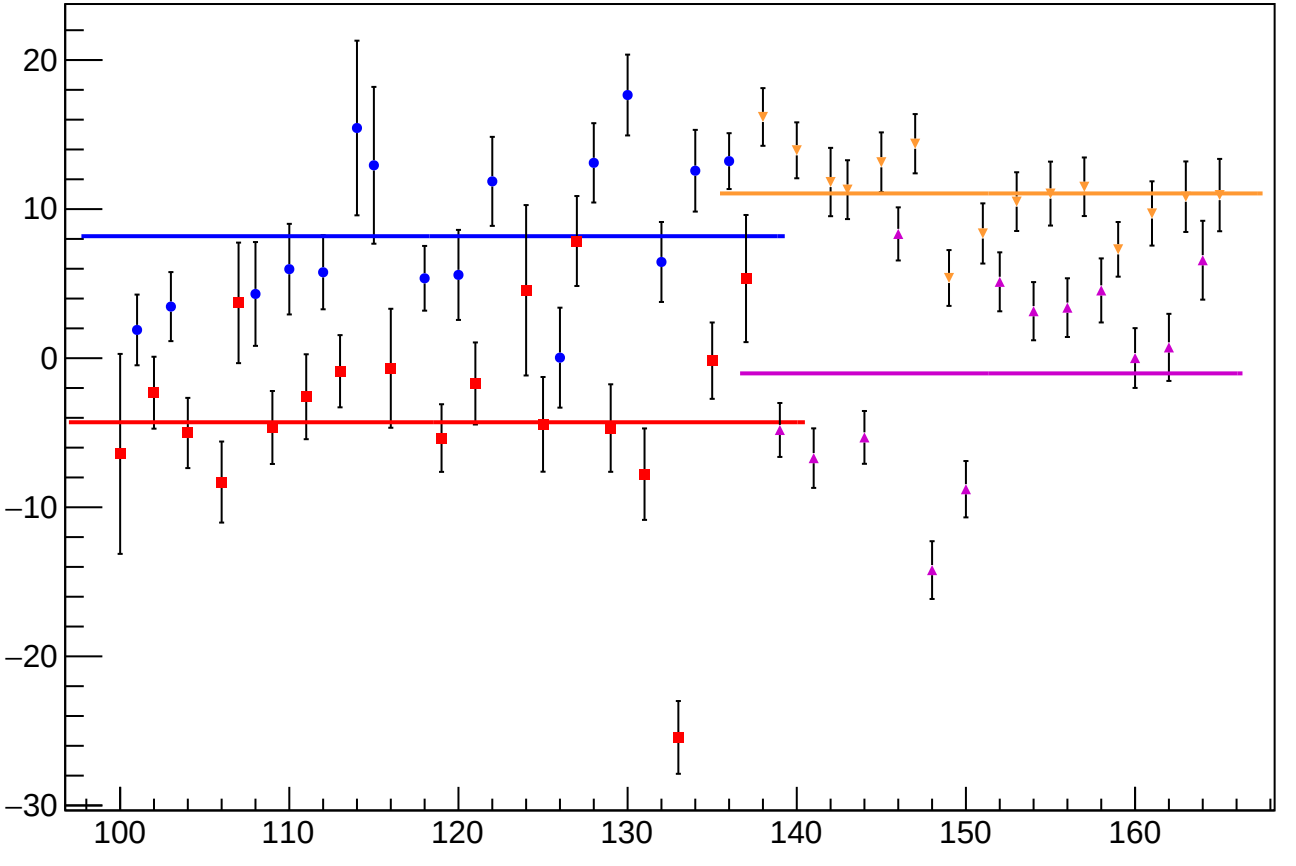
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1952.904+/-0.328 χ^2/NDF:509465.1/28

Out: 1944.439+/-0.316 χ^2/NDF:612910.9/33

All: 1948.516+/-0.228 χ^2/NDF: 1122721.6/62

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.051+/-0.525 χ^2/NDF:29.1/14

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.019+/-0.549 χ^2/NDF:144.3/12

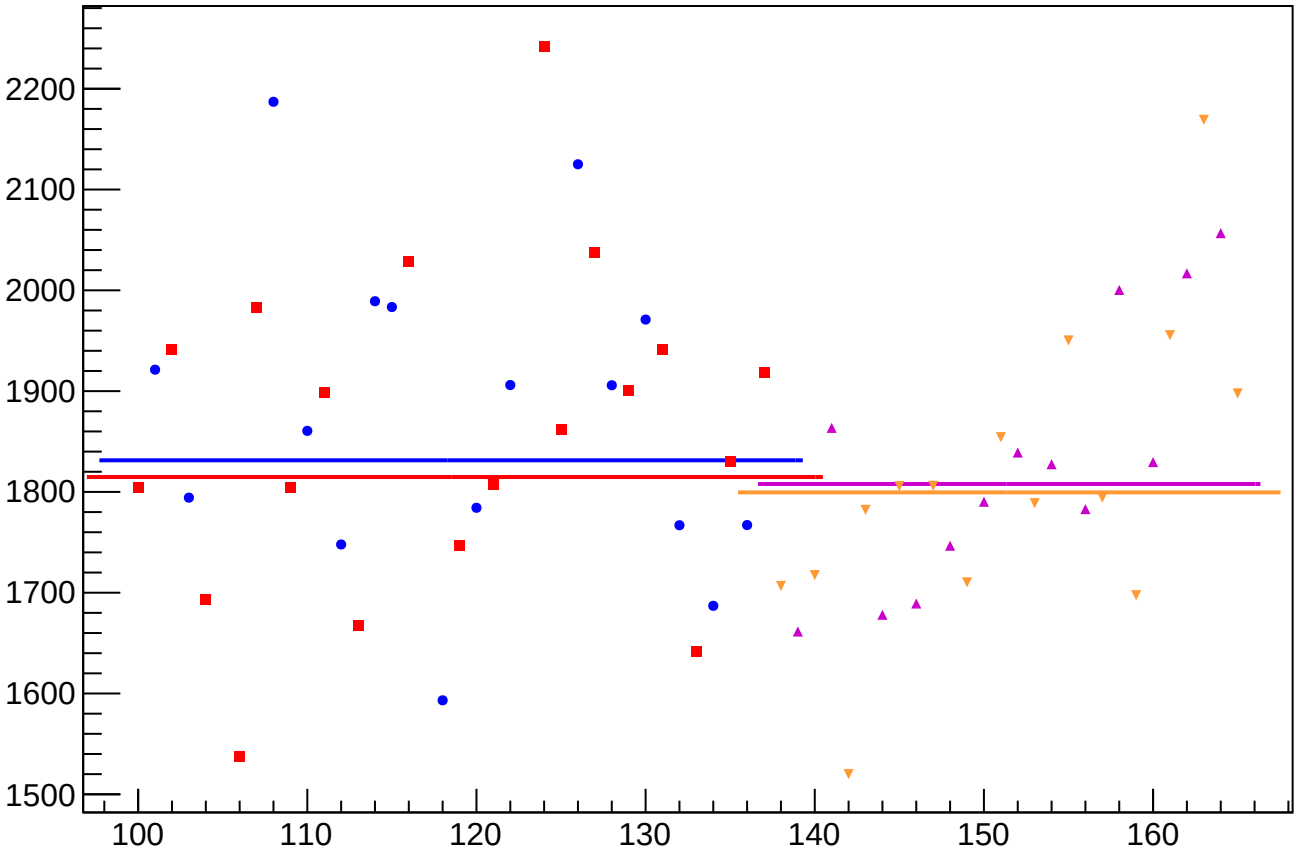
Left: 5.284+/-0.379 χ^2/NDF: 425.8/27

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.589+/-0.428 χ^2/NDF:306.4/28

Out: 5.162+/-0.412 χ^2/NDF:470.8/33

All: 3.924+/-0.297 χ^2/NDF: 796.0/62



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1799.530+/-0.371 χ^2/NDF:123130.1/14

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1807.879+/-0.388 χ^2/NDF:88691.0/12

Left: 1803.519+/-0.268 χ^2/NDF: 212062.7/27

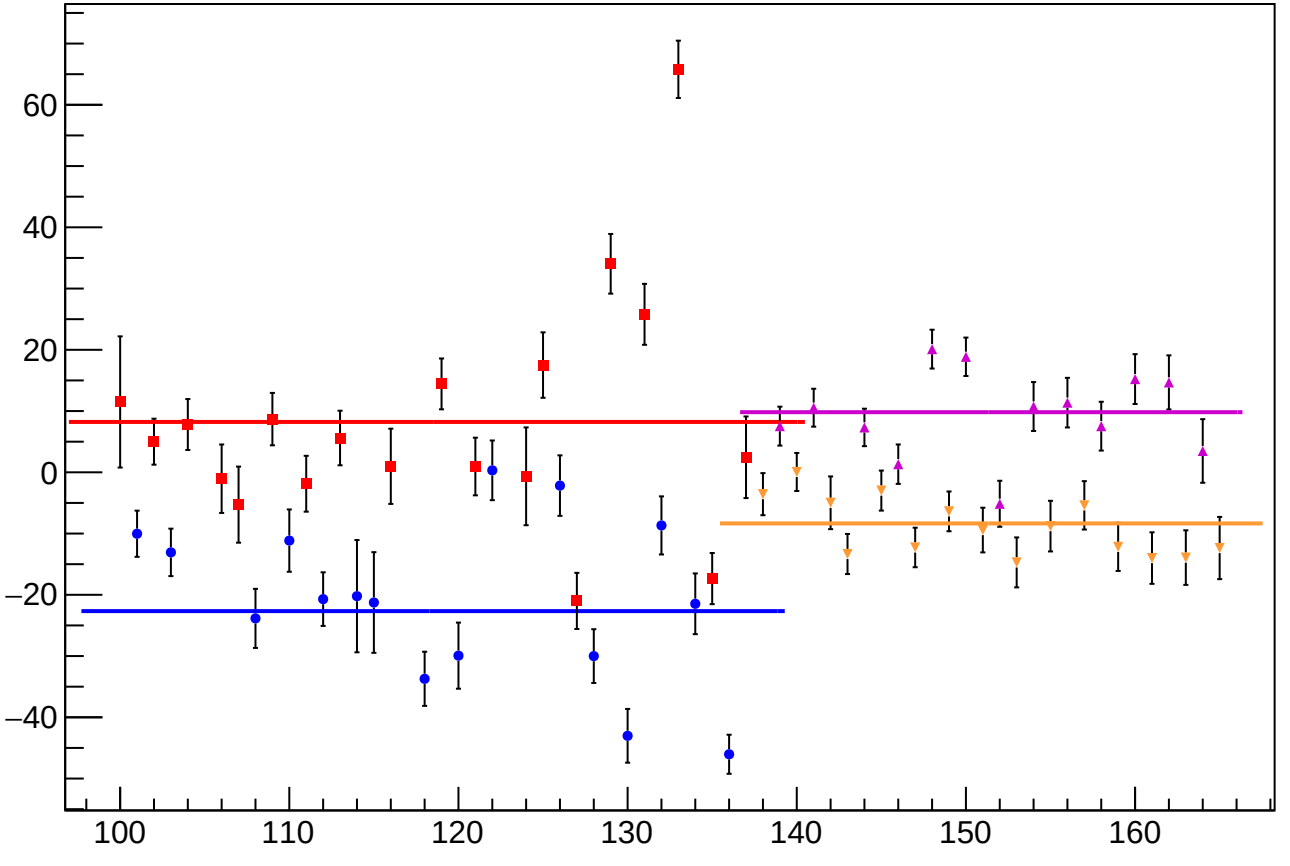
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1817.086+/-0.303 χ^2/NDF:177044.7/28

Out: 1805.380+/-0.291 χ^2/NDF:214515.5/33

All: 1811.013+/-0.210 χ^2/NDF: 392336.3/62

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.346+/-0.959 χ^2/NDF:24.8/14

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.815+/-0.993 χ^2/NDF:47.9/12

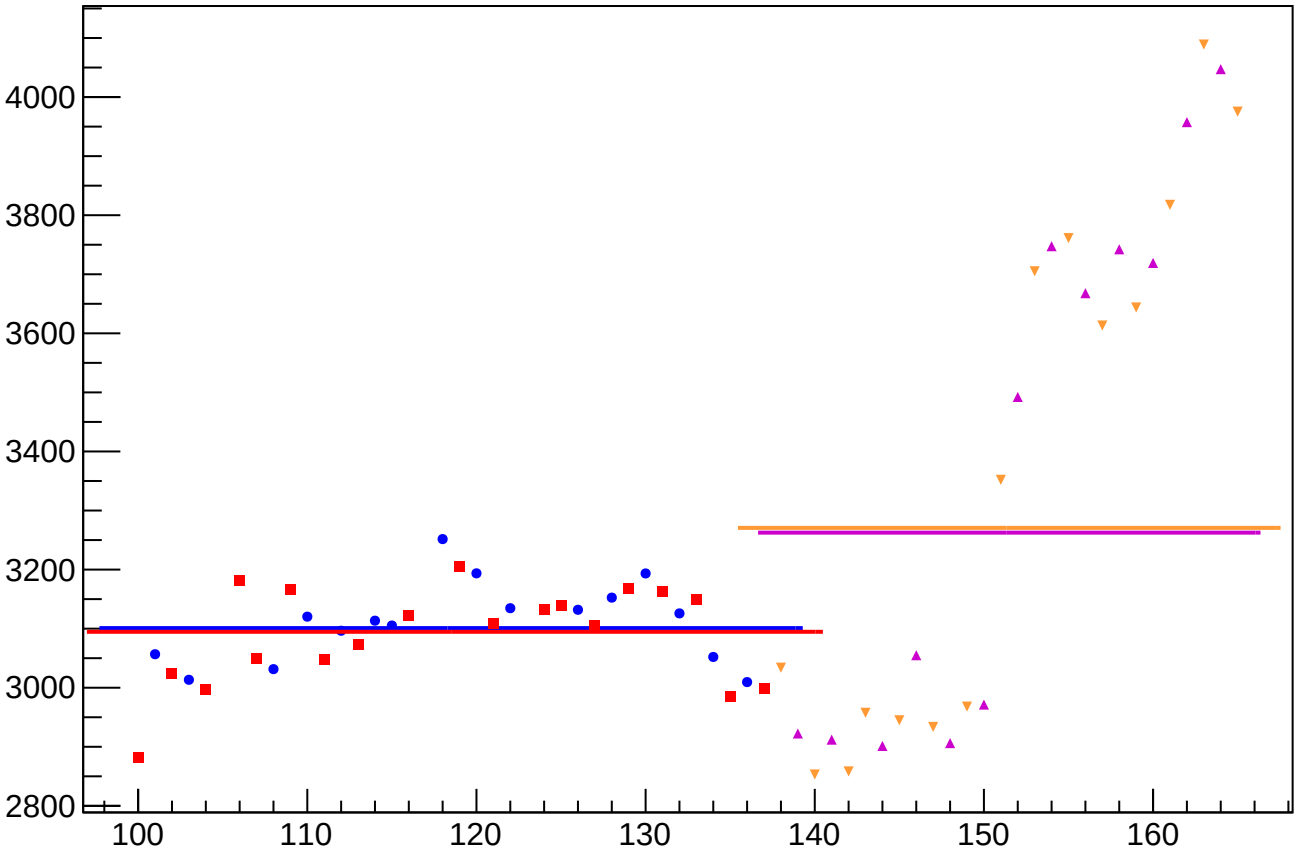
Left: 0.416+/-0.690 χ^2/NDF: 245.8/27

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -4.028+/-0.752 χ^2/NDF:661.2/28

Out: -1.404+/-0.731 χ^2/NDF:444.8/33

All: -2.678+/-0.524 χ^2/NDF: 1112.2/62



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3270.669+/-0.678 χ^2/NDF:365960.5/14

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3262.574+/-0.702 χ^2/NDF:333695.0/12

Left: 3266.764+/-0.488 χ^2/NDF: 699724.3/27

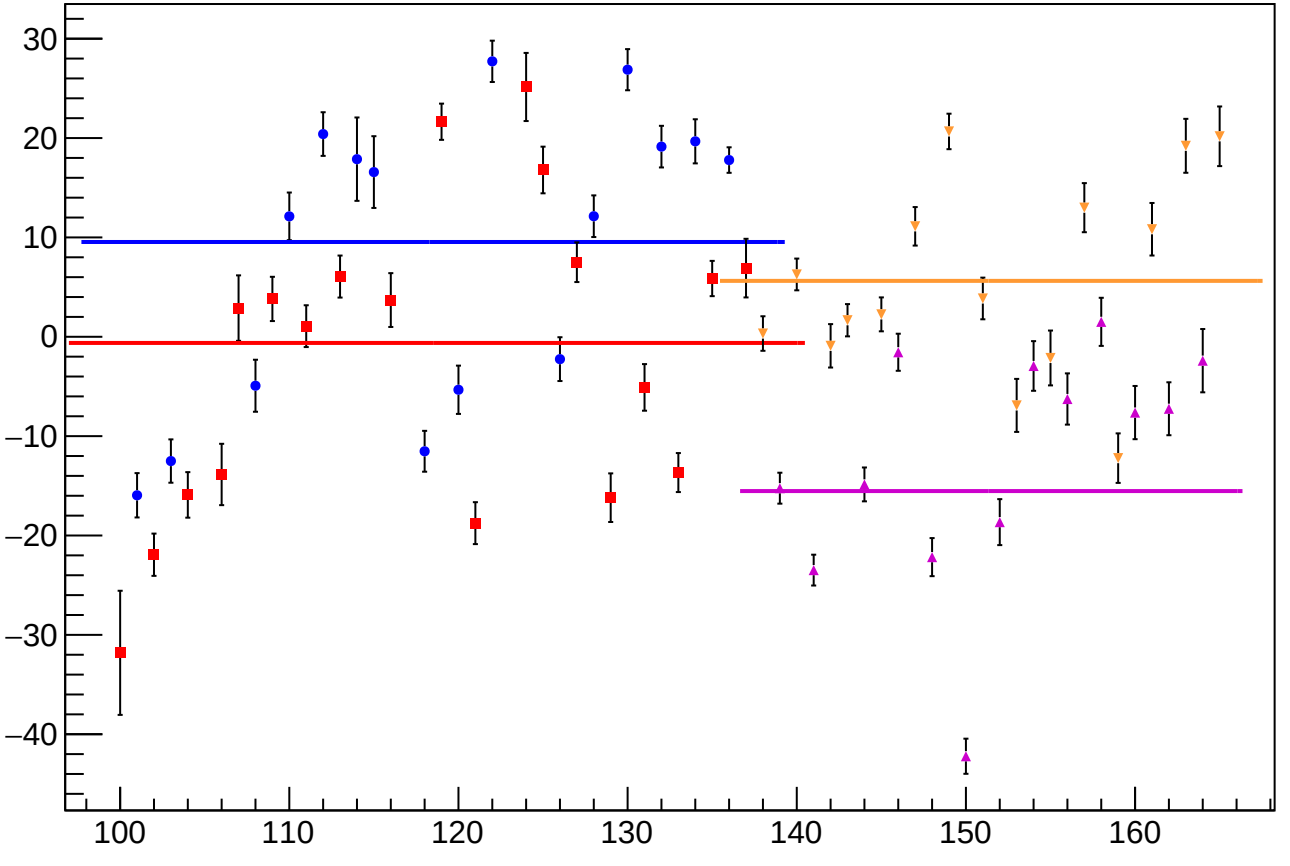
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3193.683+/-0.532 χ^2/NDF:364182.4/28

Out: 3196.935+/-0.517 χ^2/NDF:402787.7/33

All: 3195.356+/-0.371 χ^2/NDF: 766989.4/62

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.627+/-0.538 χ^2/NDF:250.5/14

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -15.528+/-0.568 χ^2/NDF:447.5/12

Left: -4.386+/-0.391 χ^2/NDF: 1428.5/27

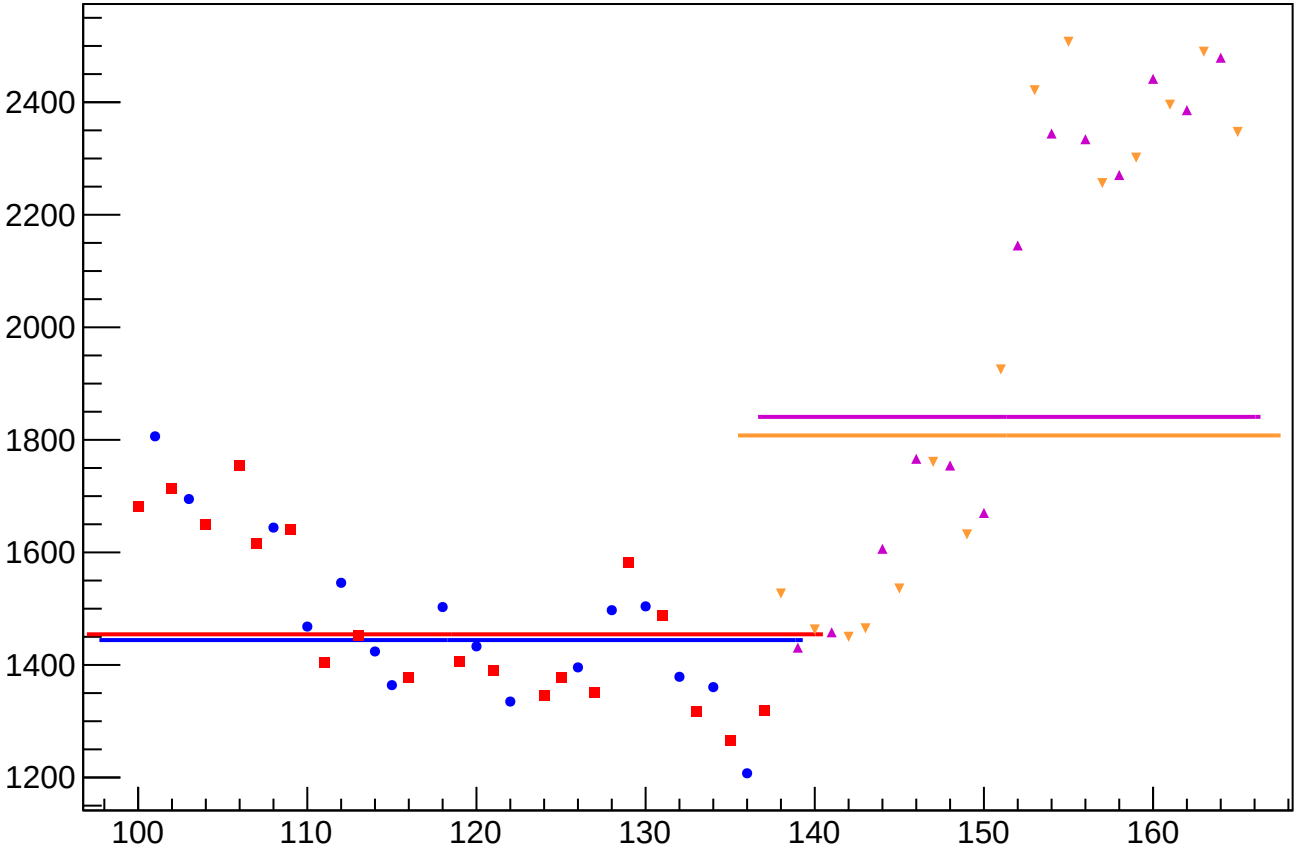
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.390+/-0.392 χ^2/NDF:2167.0/28

Out: 2.478+/-0.379 χ^2/NDF:984.2/33

All: 0.124+/-0.273 χ^2/NDF: 3230.8/62

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1807.838+/-0.381 χ^2/NDF:1034087.9/14

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1840.866+/-0.402 χ^2/NDF:841159.0/12

Left: 1823.470+/-0.276 χ^2/NDF: 1878808.4/27

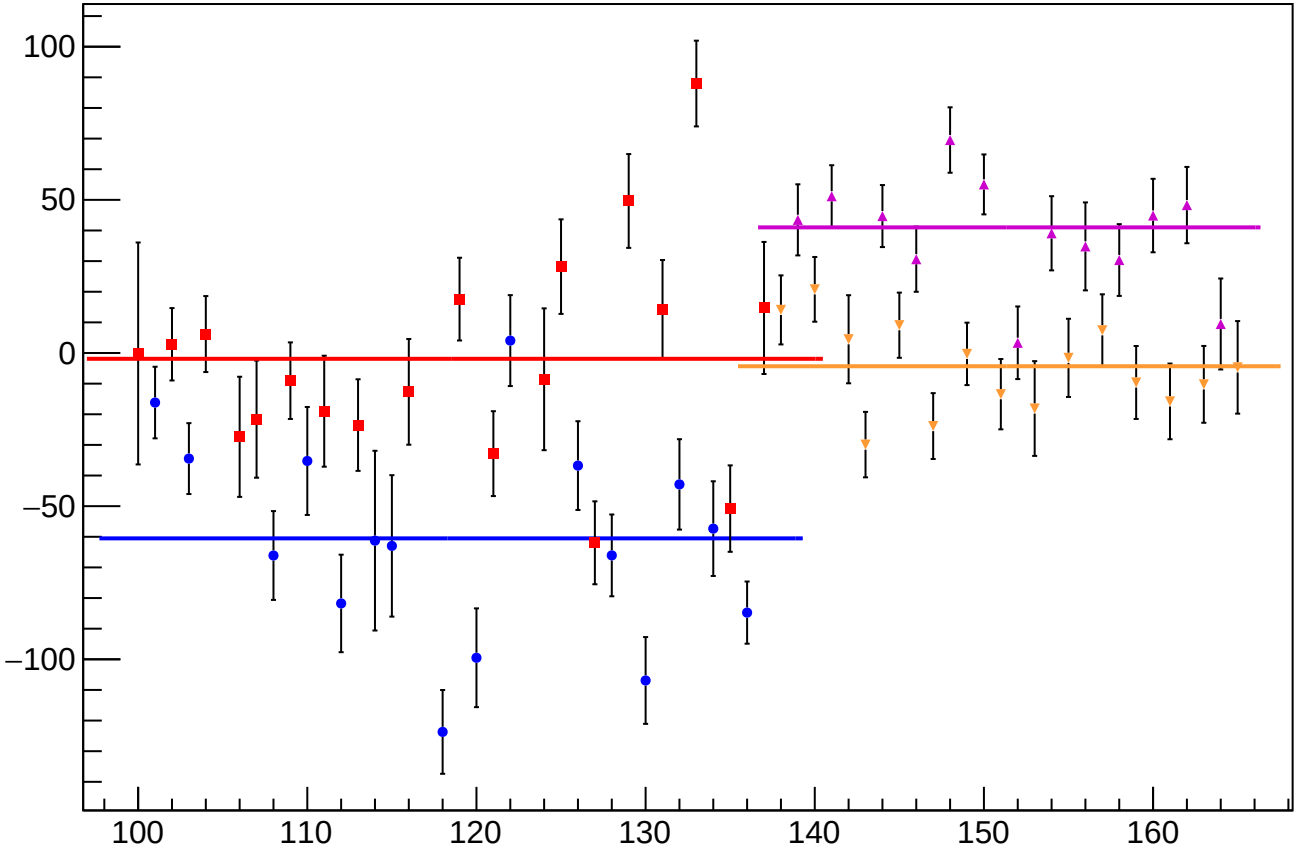
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1632.975+/-0.277 χ^2/NDF:1532474.6/28

Out: 1629.716+/-0.268 χ^2/NDF:1611016.7/33

All: 1631.292+/-0.193 χ^2/NDF: 3143562.8/62

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.326+/-3.057 χ^2/NDF:23.2/14

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 41.015+/-3.178 χ^2/NDF:27.4/12

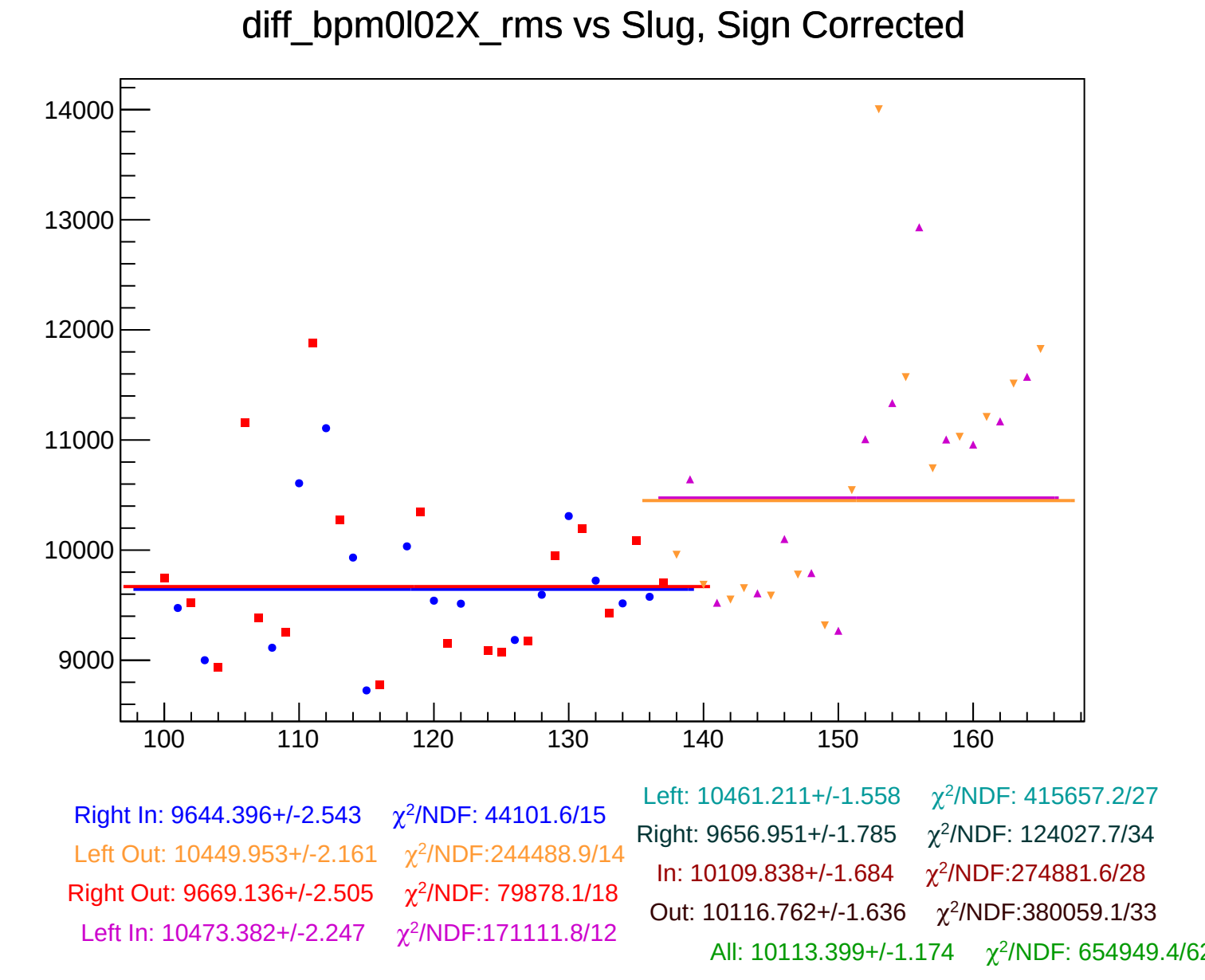
Left: 17.460+/-2.203 χ^2/NDF: 156.4/27

Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

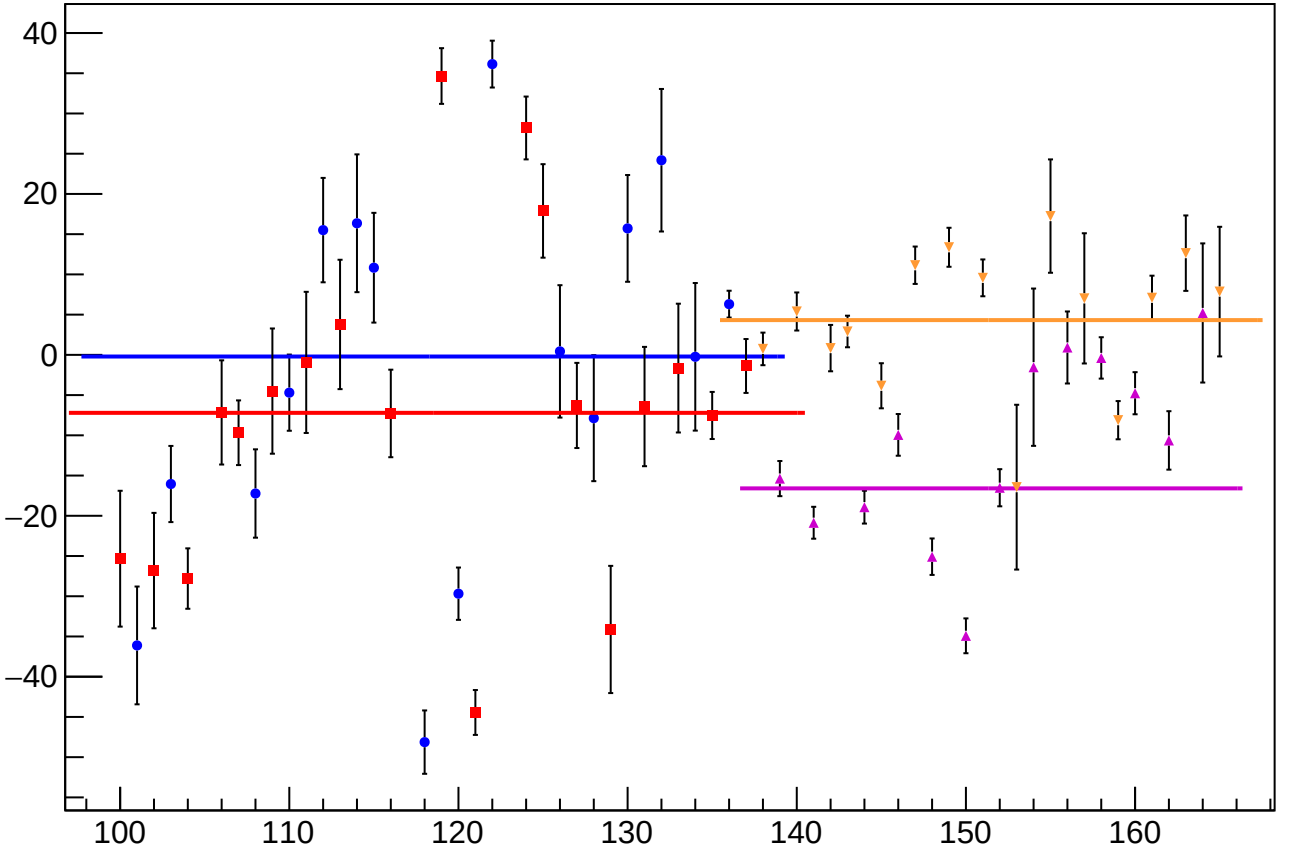
In: -3.511+/-2.382 χ^2/NDF:565.3/28

Out: -3.288+/-2.314 χ^2/NDF:127.3/33

All: -3.396+/-1.660 χ^2/NDF: 692.6/62


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10449.953+/-2.161 χ²/NDF:244488.9/14
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10473.382+/-2.247 χ²/NDF:171111.8/12
Left: 10461.211+/-1.558 χ²/NDF: 415657.2/27
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10109.838+/-1.684 χ²/NDF:274881.6/28
Out: 10116.762+/-1.636 χ²/NDF:380059.1/33
All: 10113.399+/-1.174 χ²/NDF: 654949.4/62

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.320+/-0.727 χ^2/NDF:81.0/14

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -16.594+/-0.726 χ^2/NDF:185.4/12

Left: -6.149+/-0.514 χ^2/NDF: 680.6/27

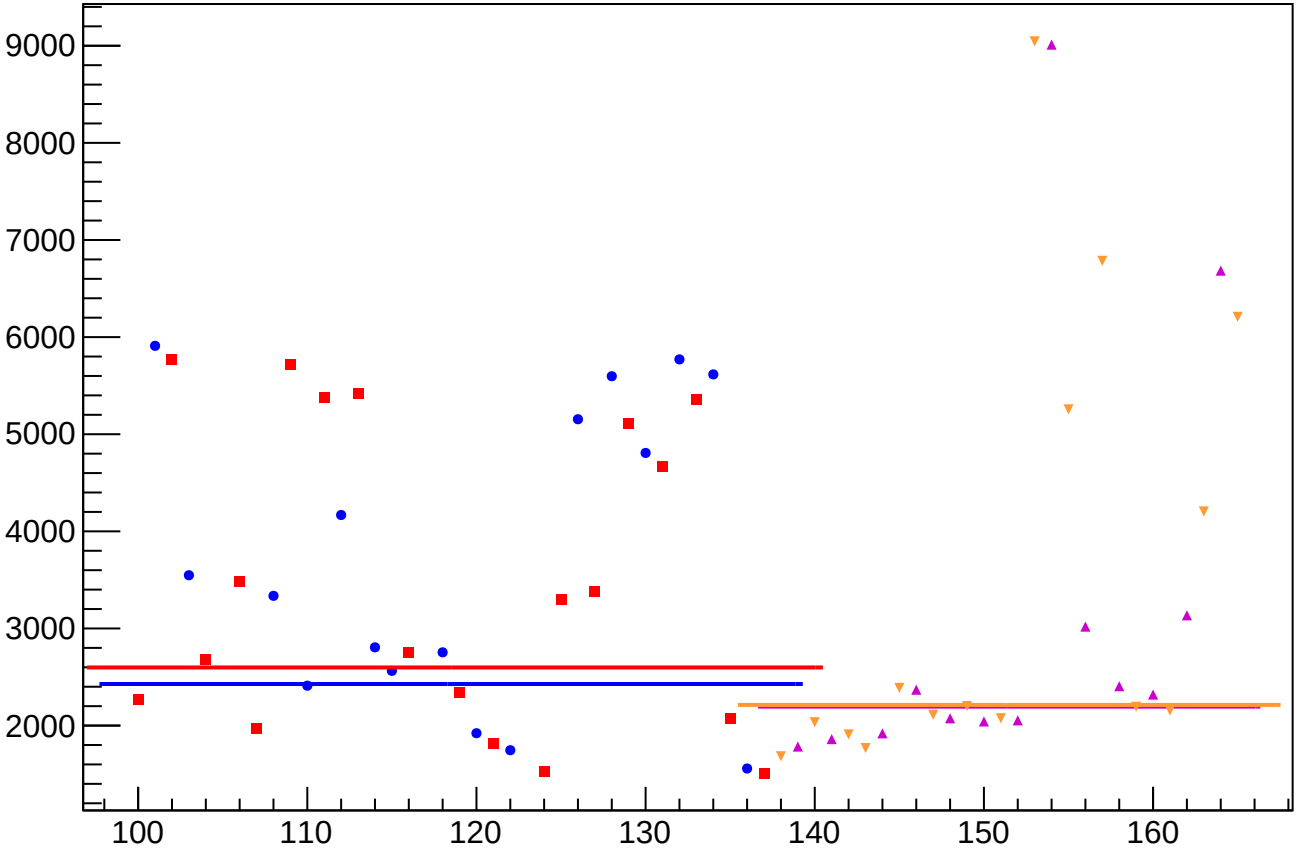
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.259+/-0.596 χ^2/NDF:824.9/28

Out: 0.696+/-0.602 χ^2/NDF:645.6/33

All: -5.337+/-0.424 χ^2/NDF: 1669.6/62

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2212.884+/-0.514 χ^2/NDF:3047840.9/14

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2195.084+/-0.514 χ^2/NDF:1927227.0/12

Left: 2203.974+/-0.363 χ^2/NDF: 4975668.0/27

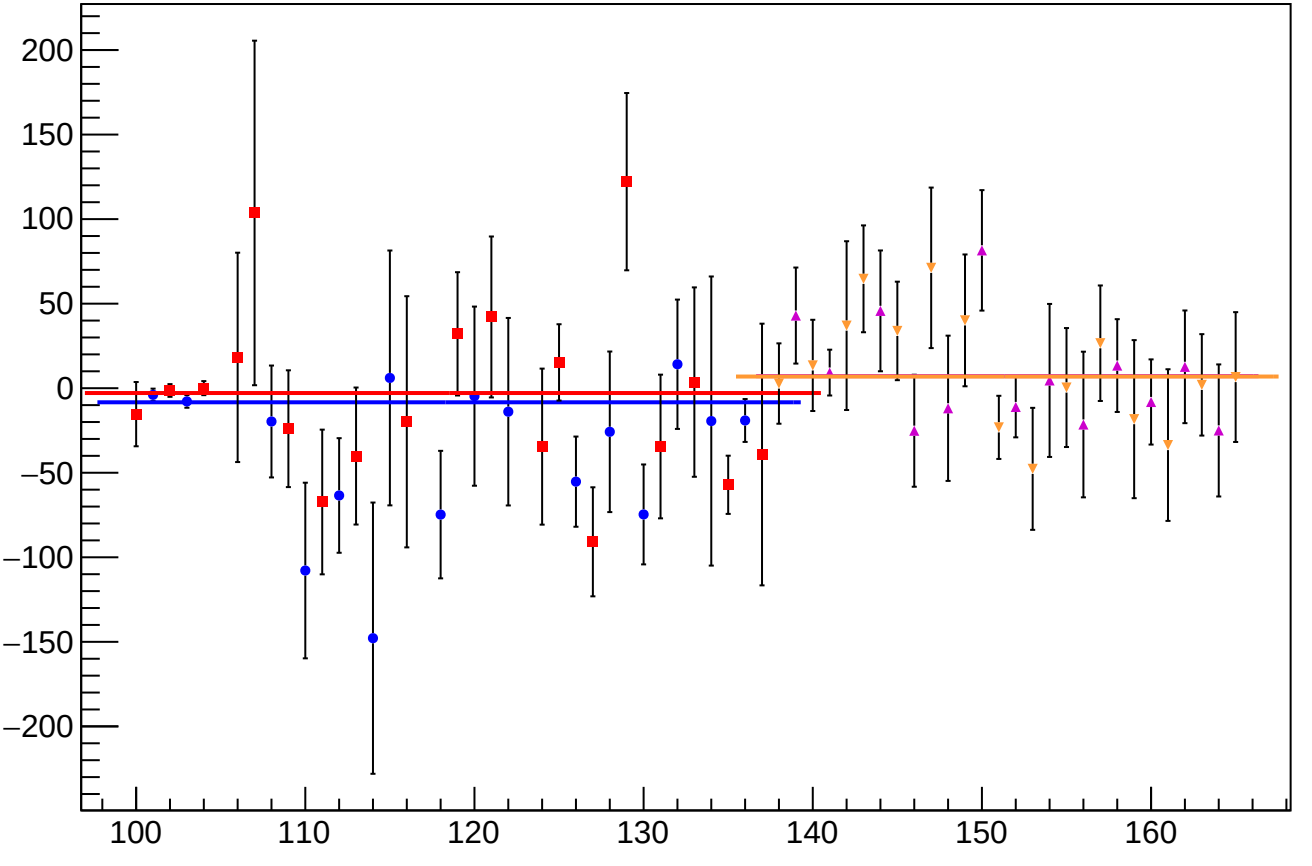
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2270.931+/-0.422 χ^2/NDF:4809575.9/28

Out: 2334.066+/-0.426 χ^2/NDF:5739500.2/33

All: 2302.205+/-0.300 χ^2/NDF: 10560177.3/6

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.898+/-8.199 χ^2/NDF:13.6/14

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 7.136+/-7.393 χ^2/NDF:10.9/12

Left: 7.029+/-5.491 χ^2/NDF: 24.5/27

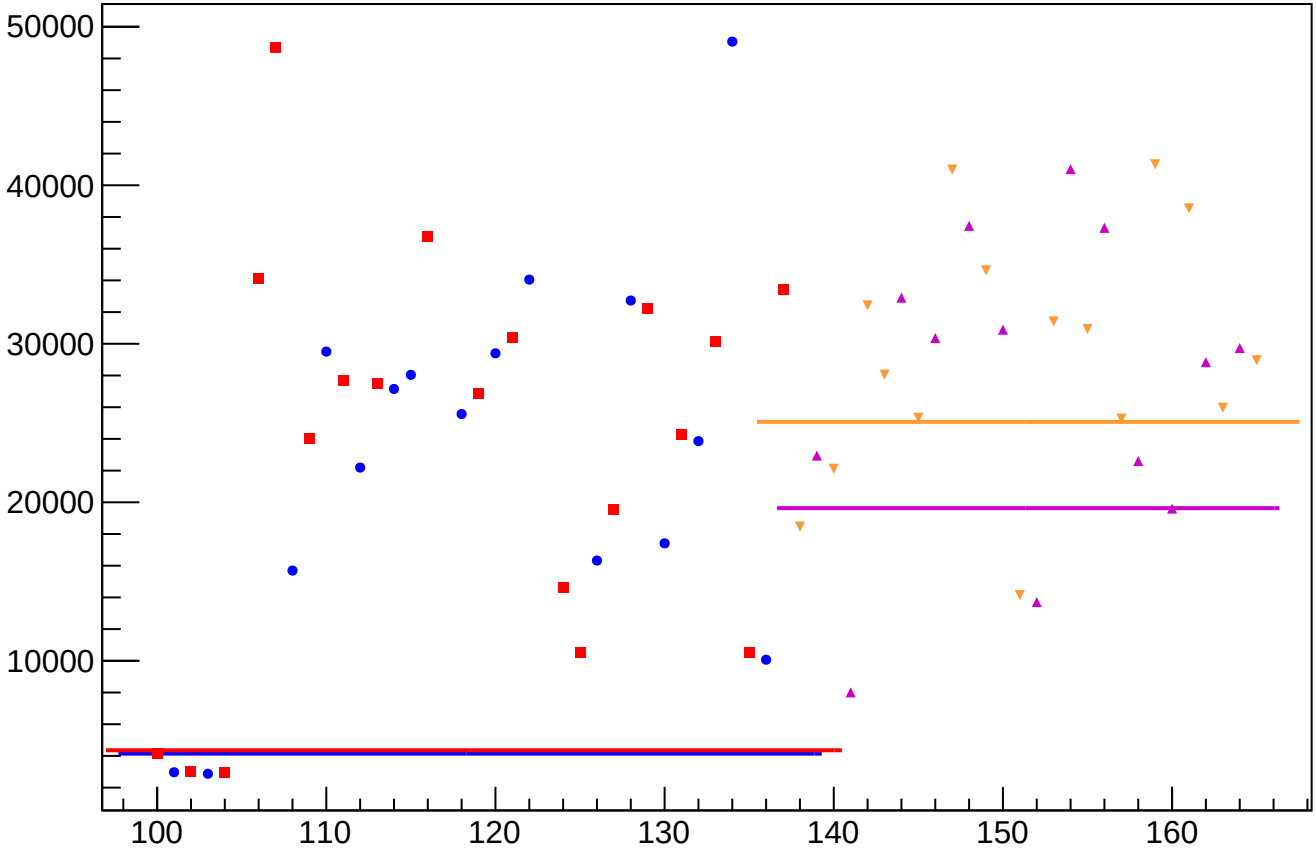
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.746+/-2.368 χ^2/NDF:38.2/28

Out: -1.933+/-2.513 χ^2/NDF:47.5/33

All: -4.482+/-1.723 χ^2/NDF: 87.7/62

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 25076.024+/-5.798 χ^2/NDF:1831589.7/14

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19630.553+/-5.228 χ^2/NDF:3839628.9/12

Left: 22072.434+/-3.882 χ^2/NDF: 6157794.7/27

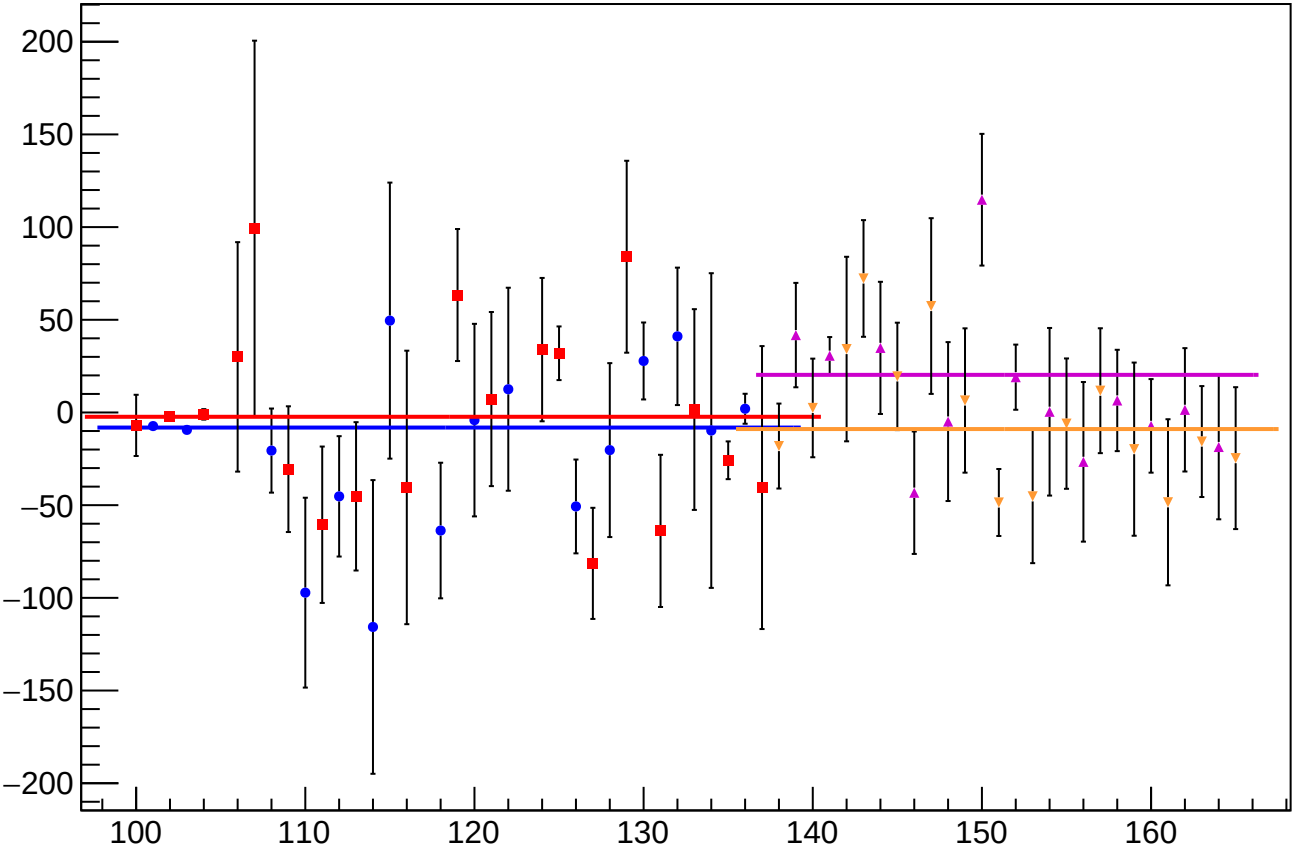
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5734.077+/-1.674 χ^2/NDF:18550664.1/28

Out: 6300.274+/-1.777 χ^2/NDF:21030663.7/33

All: 6000.385+/-1.218 χ^2/NDF: 39635120.0/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -8.939+/-8.083 χ^2/NDF:18.1/14

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 20.293+/-6.607 χ^2/NDF:17.1/12

Left: 8.585+/-5.115 χ^2/NDF: 43.0/27

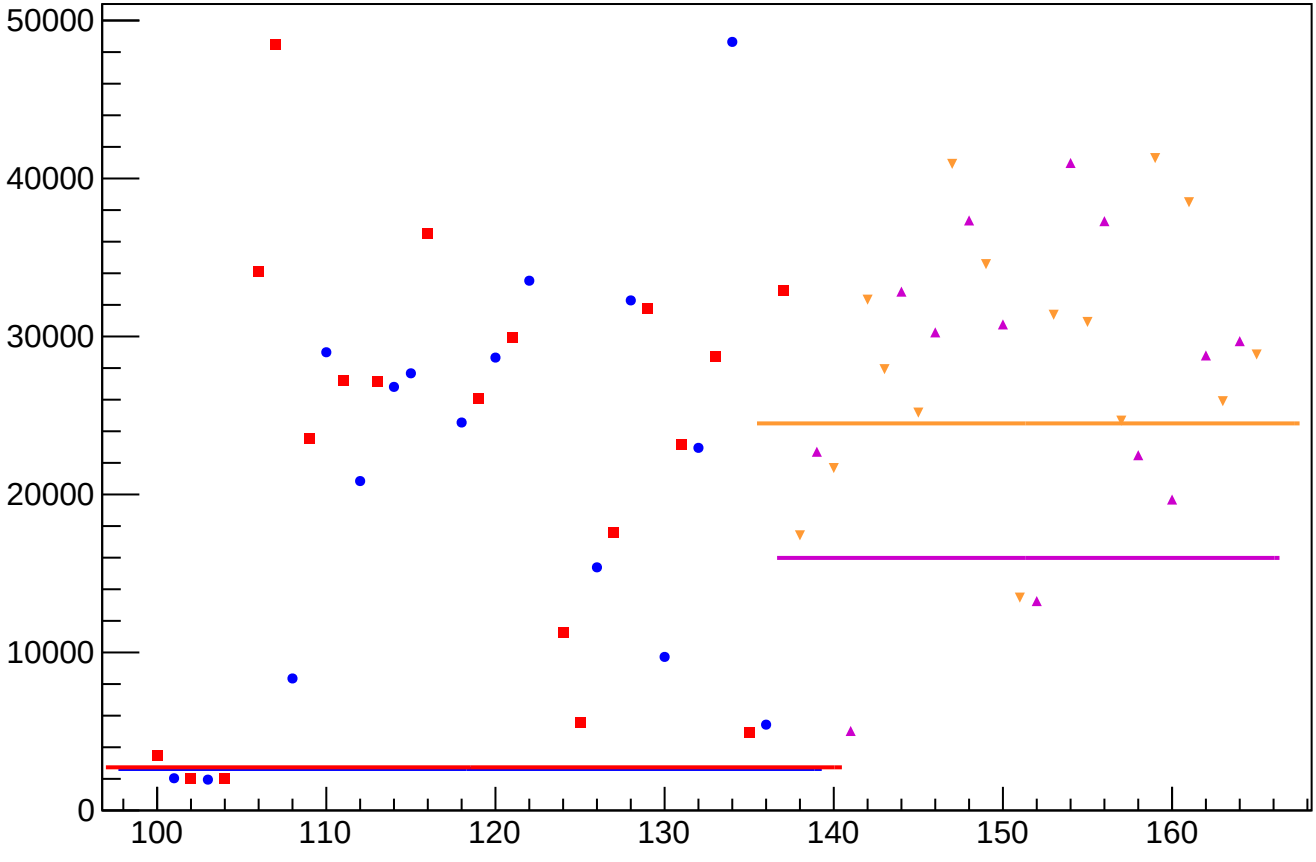
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.327+/-1.665 χ^2/NDF:53.5/28

Out: -2.644+/-1.777 χ^2/NDF:51.8/33

All: -4.606+/-1.215 χ^2/NDF: 107.6/62

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24498.208+/-5.715 χ^2/NDF:2031121.4/14

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15984.415+/-4.672 χ^2/NDF:5996499.4/12

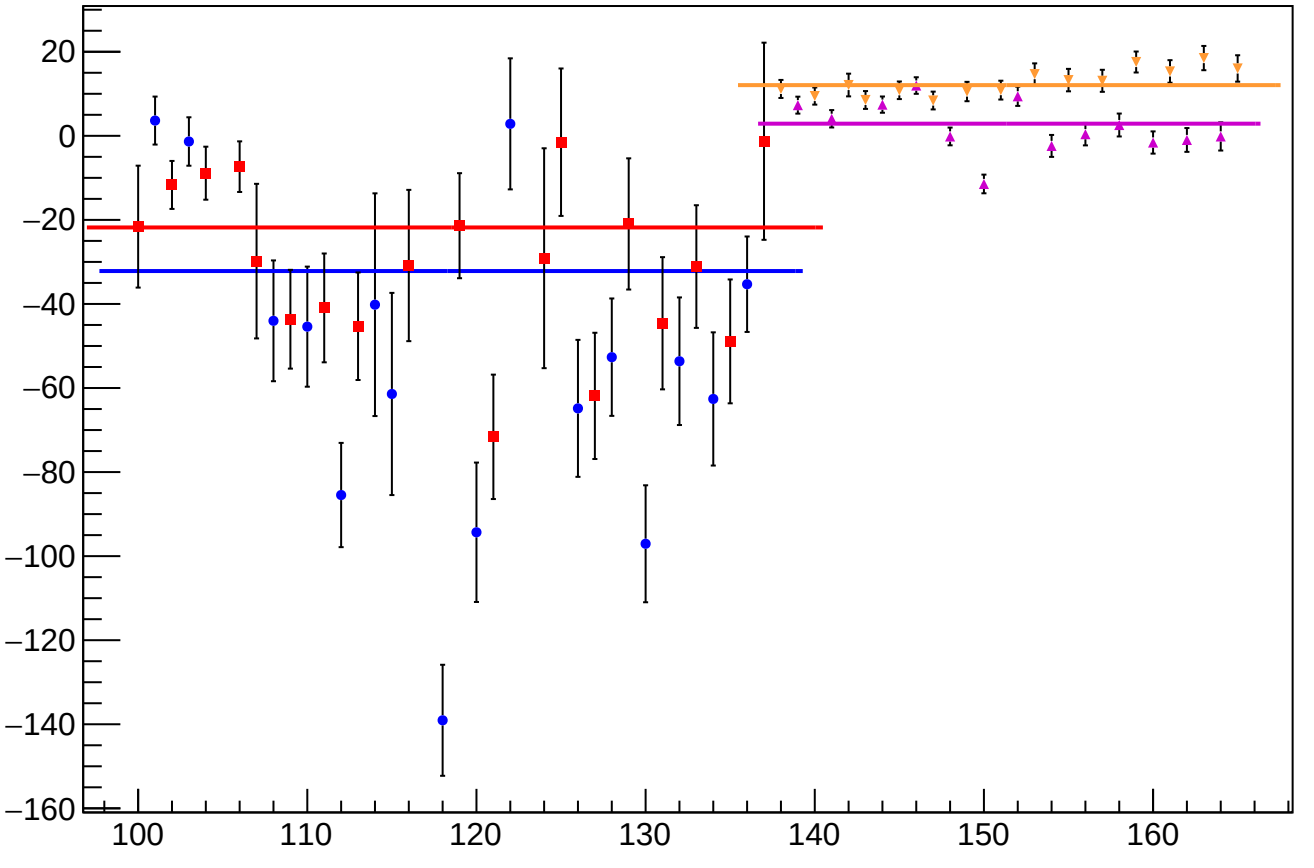
Left: 19394.381+/-3.617 χ^2/NDF: 9357828.6/27

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

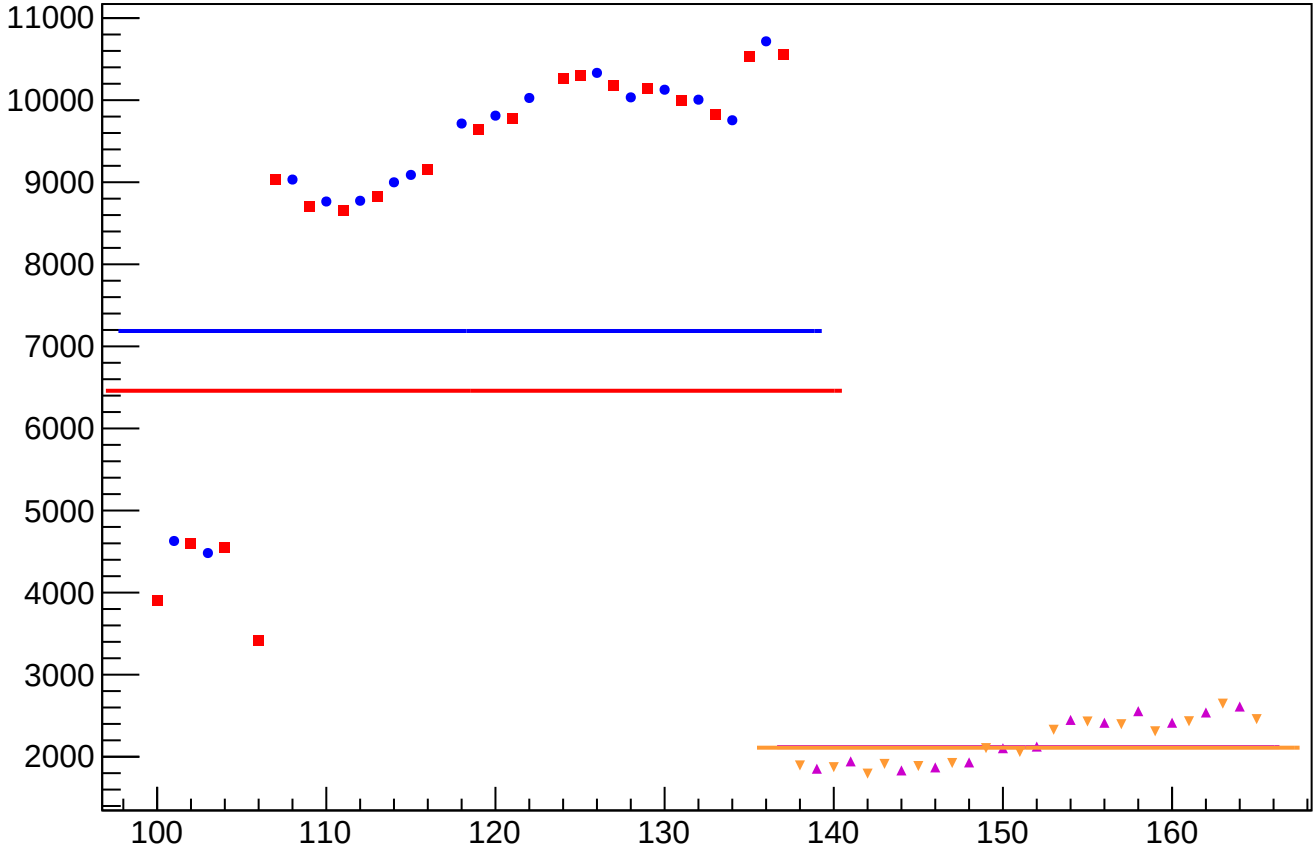
In: 3474.670+/-1.177 χ^2/NDF:20433980.6/28

Out: 3782.453+/-1.257 χ^2/NDF:23821559.5/33

All: 3618.538+/-0.859 χ^2/NDF: 44287490.4/6


diff_bpm0l04X_mean vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
Right In: -32.171+/-2.842 χ²/NDF: 207.8/15
Left Out: 12.062+/-0.618 χ²/NDF:22.9/14
Right Out: -21.801+/-2.557 χ²/NDF: 49.1/18
Left In: 2.891+/-0.645 χ²/NDF:94.2/12
Left: 7.671+/-0.446 χ²/NDF: 222.5/27
Right: -26.441+/-1.901 χ²/NDF: 264.2/34
In: 1.172+/-0.629 χ²/NDF:446.8/28
Out: 10.192+/-0.601 χ²/NDF:237.7/33
All: 5.888+/-0.435 χ²/NDF: 791.9/62

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2110.441+/-0.437 χ^2/NDF:333812.6/14

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2117.602+/-0.456 χ^2/NDF:360232.4/12

Left: 2113.870+/-0.316 χ^2/NDF: 694173.4/27

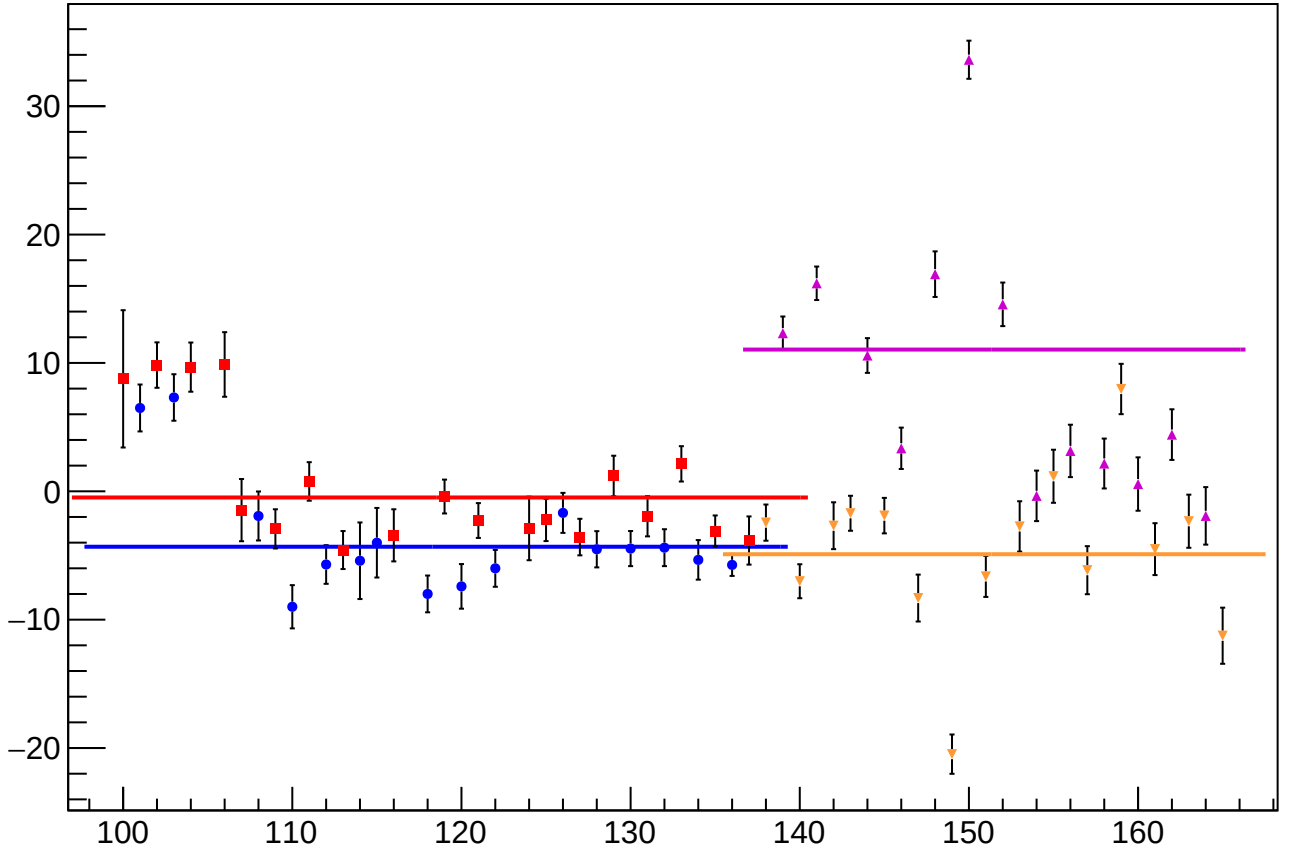
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2366.159+/-0.445 χ^2/NDF:8119689.1/28

Out: 2350.673+/-0.425 χ^2/NDF:8074444.2/33

All: 2358.062+/-0.307 χ^2/NDF: 16194766.8/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.902+/-0.435 χ^2/NDF:188.8/14

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 11.042+/-0.462 χ^2/NDF:425.3/12

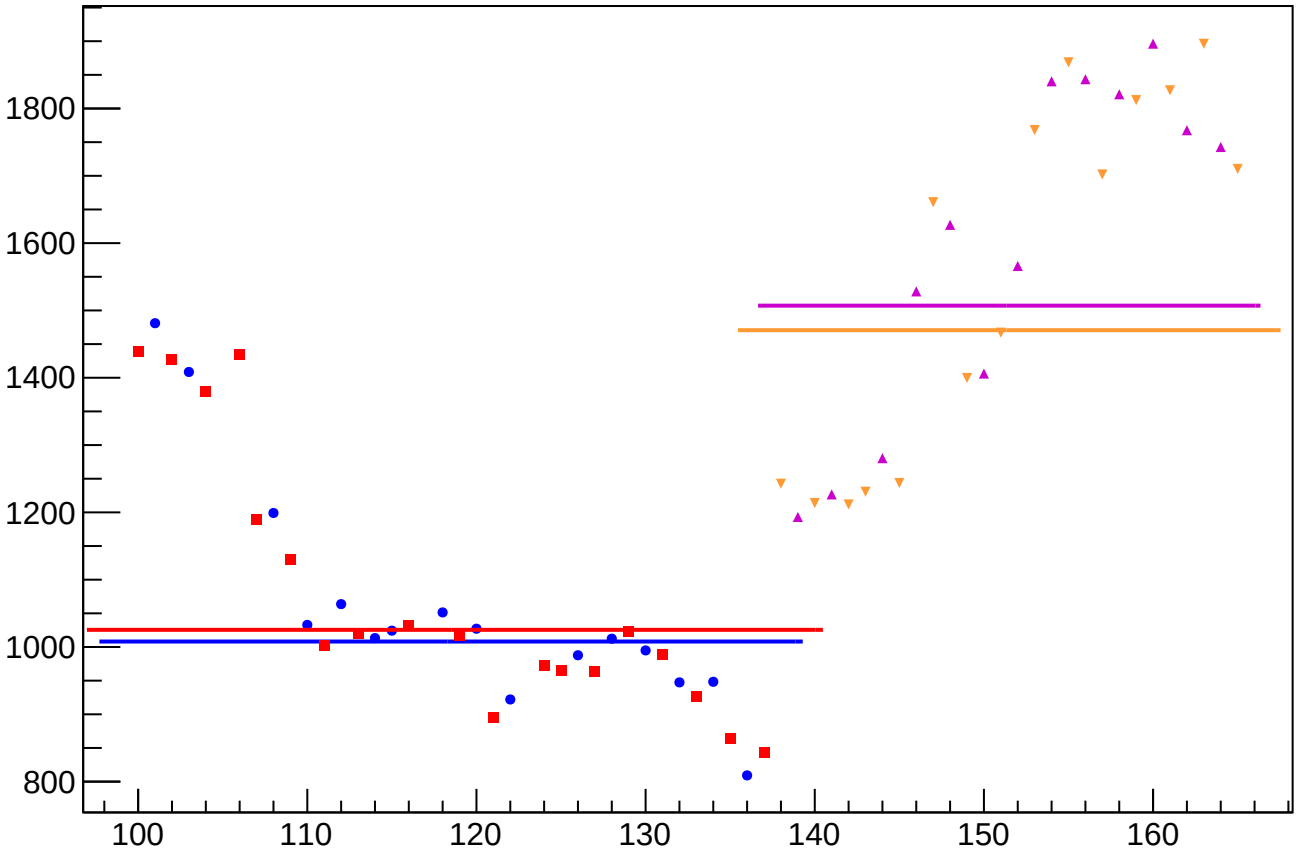
Left: 2.589+/-0.317 χ^2/NDF: 1245.0/27

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.871+/-0.293 χ^2/NDF:1188.4/28

Out: -2.386+/-0.286 χ^2/NDF:364.8/33

All: -0.315+/-0.205 χ^2/NDF: 1661.2/62



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1470.663+/-0.308 χ^2/NDF:692115.3/14

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1507.112+/-0.327 χ^2/NDF:577725.1/12

Left: 1487.788+/-0.224 χ^2/NDF: 1276434.4/27

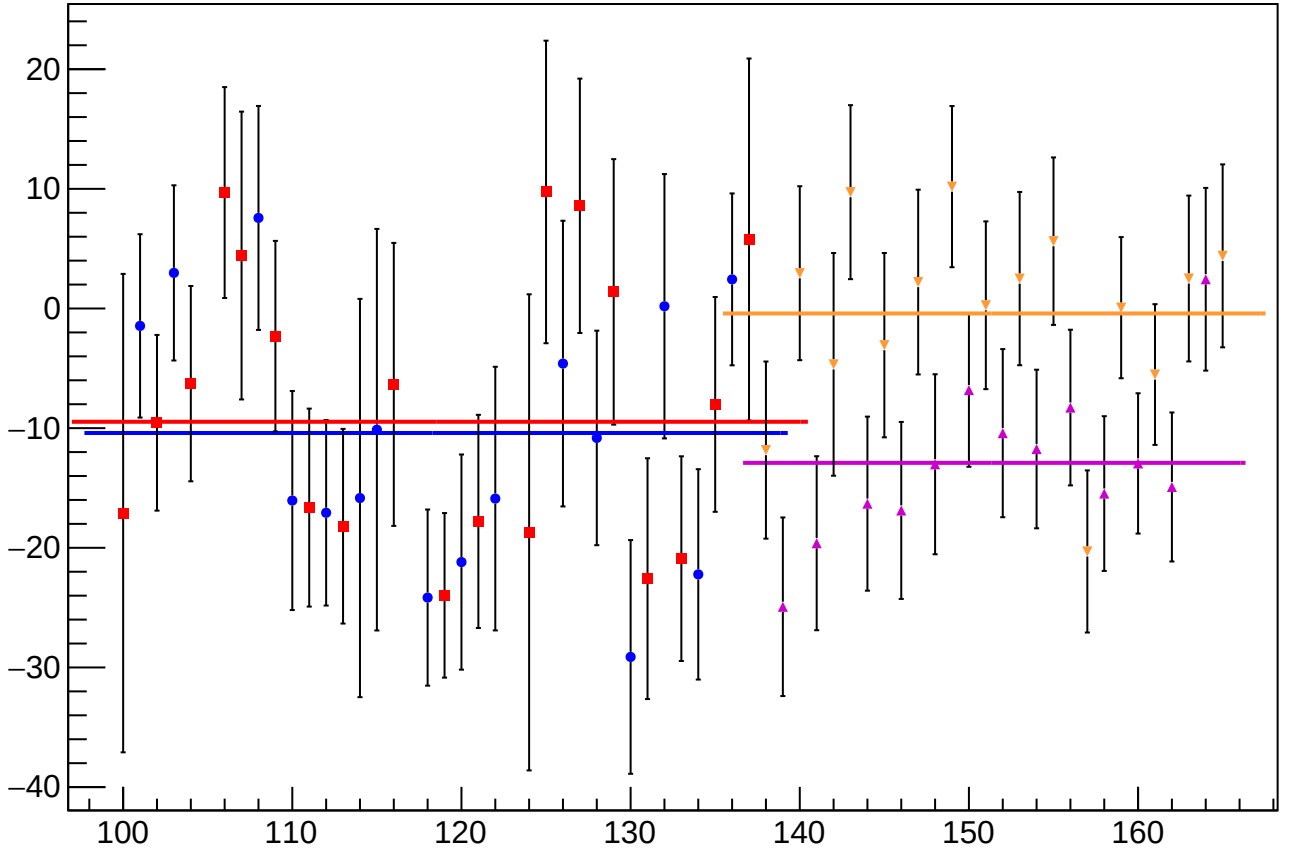
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1209.207+/-0.207 χ^2/NDF:2348243.6/28

Out: 1217.341+/-0.202 χ^2/NDF:2229474.6/33

All: 1213.383+/-0.145 χ^2/NDF: 4578507.4/62

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.415+/-1.824 χ^2/NDF:18.3/14

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -12.900+/-1.894 χ^2/NDF:9.8/12

Left: -6.422+/-1.314 χ^2/NDF: 50.7/27

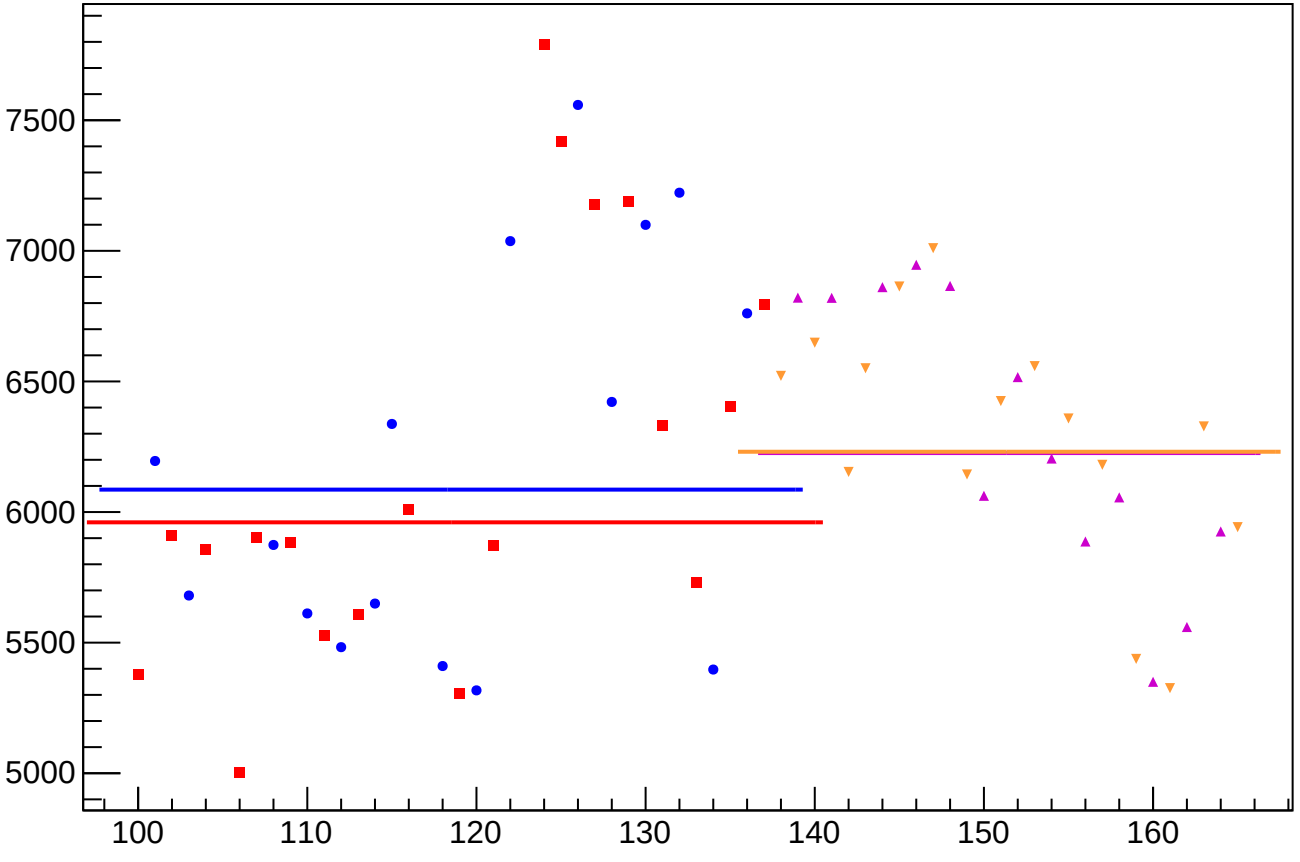
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.881+/-1.457 χ^2/NDF:35.2/28

Out: -4.121+/-1.402 χ^2/NDF:53.8/33

All: -7.851+/-1.010 χ^2/NDF: 103.7/62

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6230.847+/-1.290 χ^2/NDF:141045.4/14

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6225.823+/-1.340 χ^2/NDF:156913.3/12

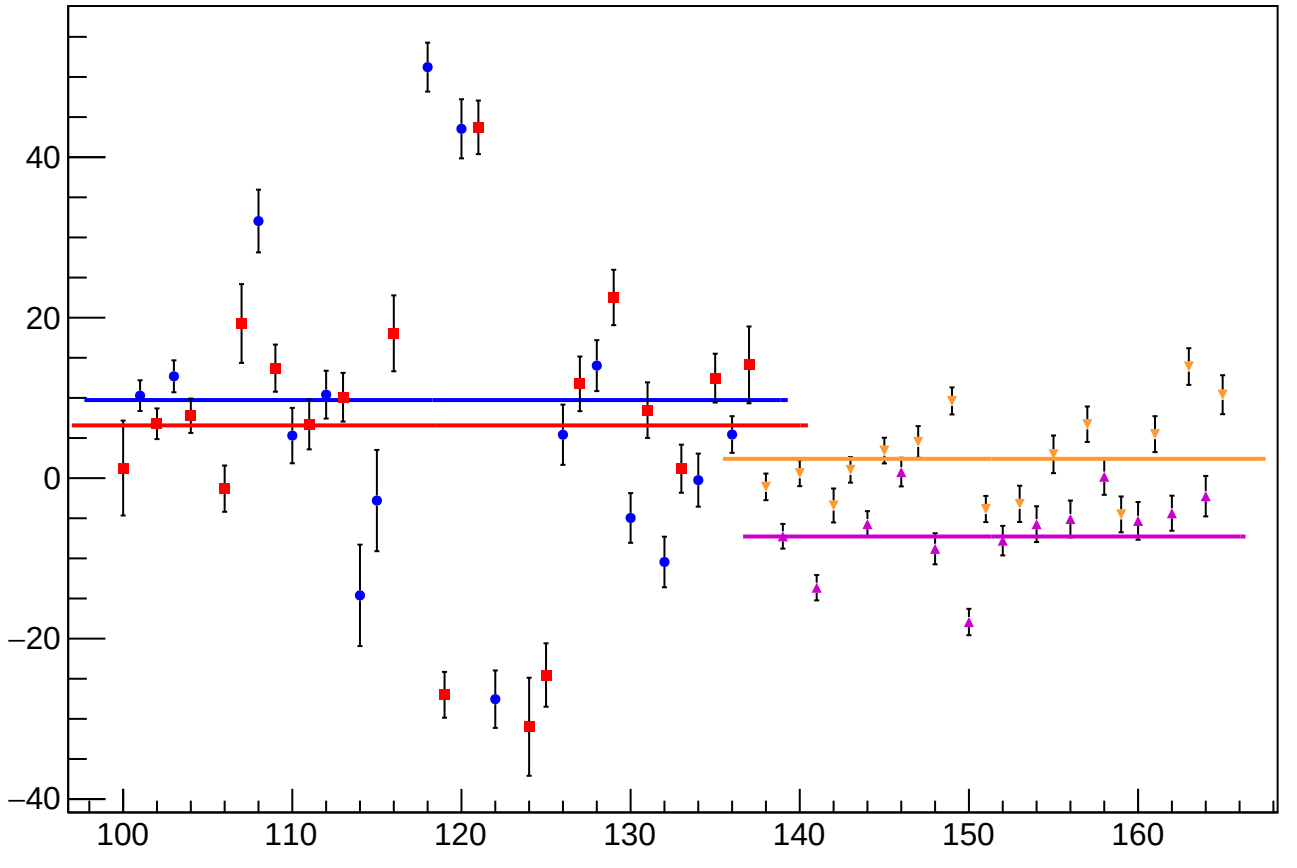
Left: 6228.430+/-0.929 χ^2/NDF: 297966.0/27

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6168.665+/-1.030 χ^2/NDF:340489.9/28

Out: 6120.210+/-0.991 χ^2/NDF:321788.1/33

All: 6143.501+/-0.714 χ^2/NDF: 663426.5/62



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.408+/-0.495 χ^2/NDF:106.3/14

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.272+/-0.528 χ^2/NDF:99.0/12

Left: -2.120+/-0.361 χ^2/NDF: 384.3/27

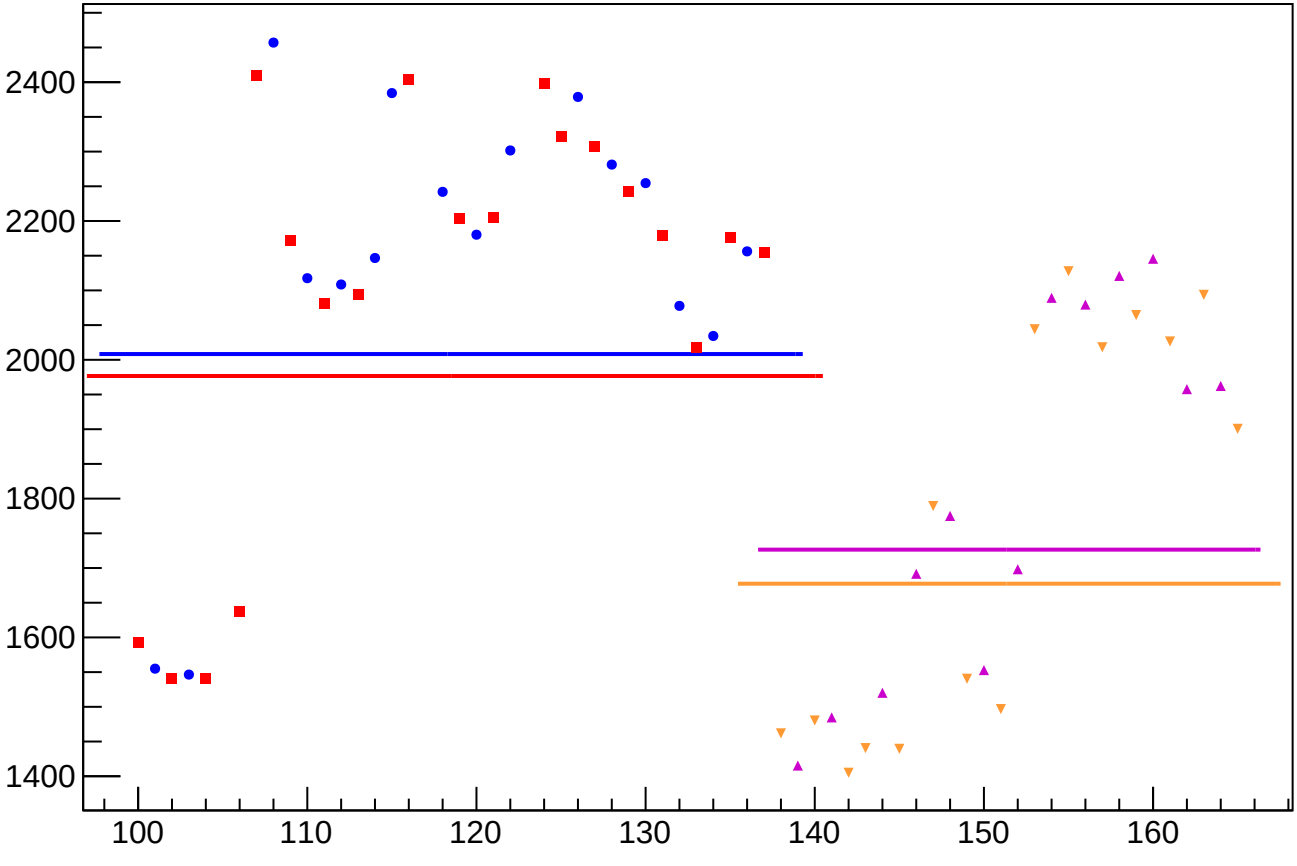
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.689+/-0.433 χ^2/NDF:952.1/28

Out: 3.719+/-0.410 χ^2/NDF:552.4/33

All: 1.162+/-0.297 χ^2/NDF: 1587.0/62

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1677.406+/-0.350 χ^2/NDF:595284.0/14

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1726.497+/-0.373 χ^2/NDF:450829.3/12

Left: 1700.366+/-0.255 χ^2/NDF: 1055321.9/27

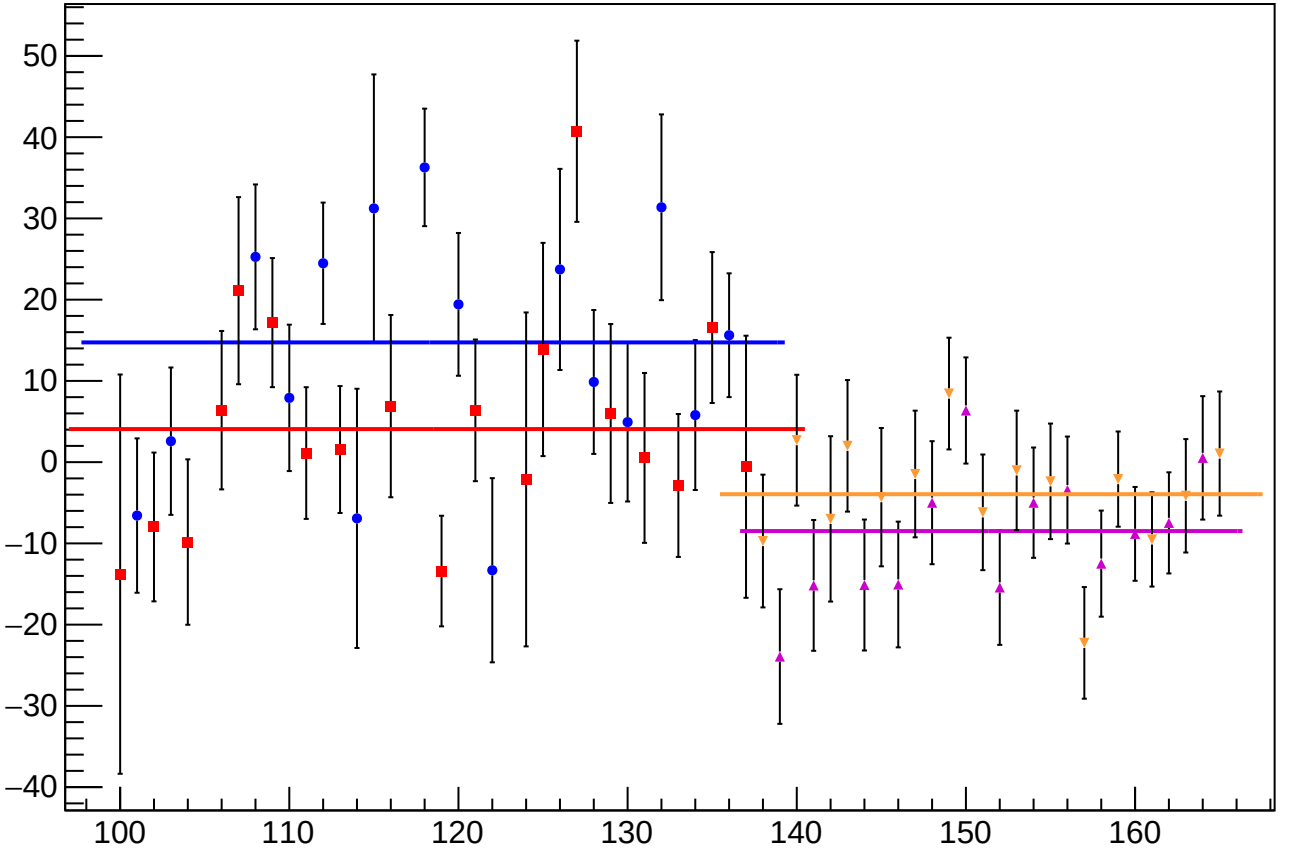
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1819.025+/-0.306 χ^2/NDF:982391.1/28

Out: 1771.552+/-0.290 χ^2/NDF:1190843.5/33

All: 1793.995+/-0.210 χ^2/NDF: 2185934.2/62

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.946+/-1.882 χ^2/NDF:14.0/14

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.484+/-1.945 χ^2/NDF:14.6/12

Left: -6.140+/-1.352 χ^2/NDF: 31.4/27

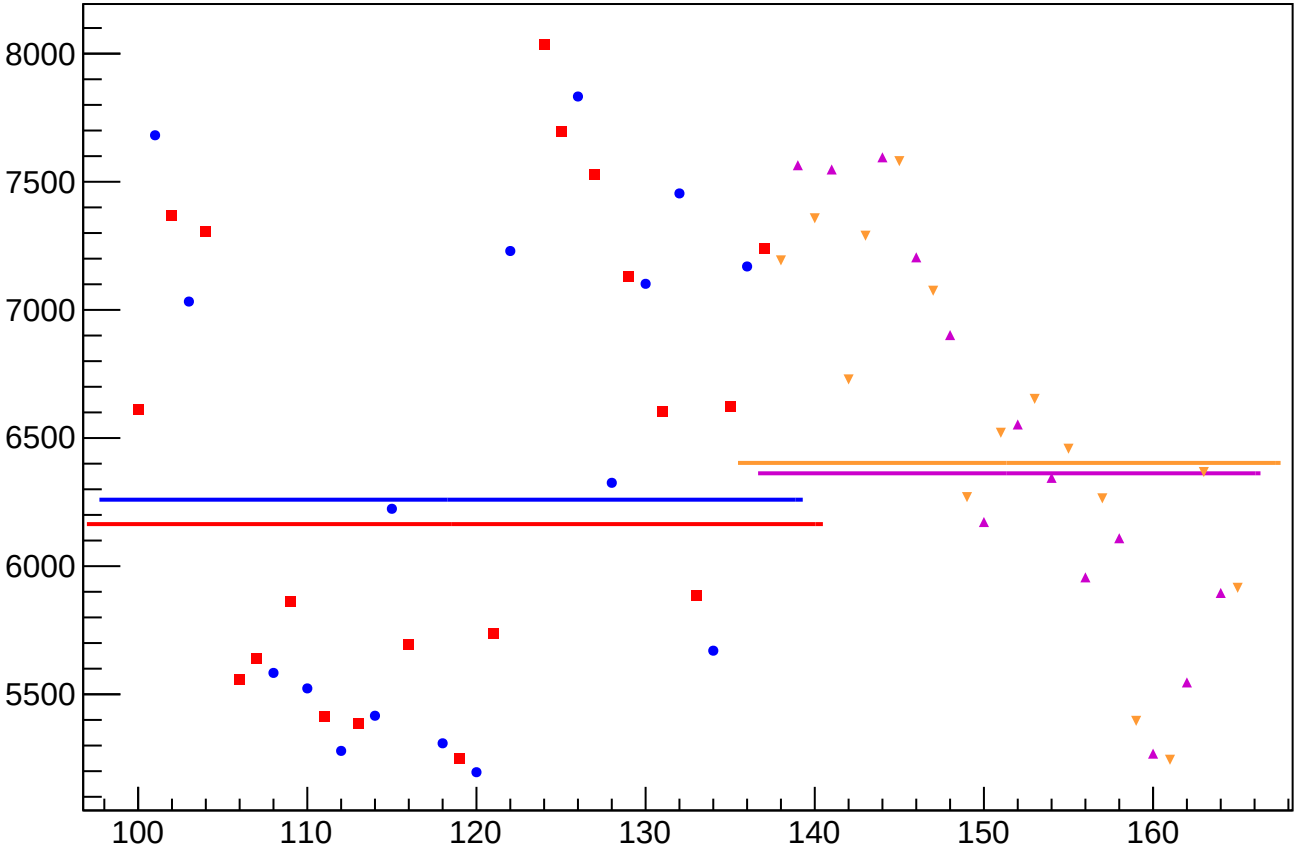
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.922+/-1.500 χ^2/NDF:105.8/28

Out: -0.687+/-1.450 χ^2/NDF:51.6/33

All: 0.090+/-1.043 χ^2/NDF: 158.0/62

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6402.938+/-1.331 χ^2/NDF:277479.7/14

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6362.368+/-1.375 χ^2/NDF:293627.2/12

Left: 6383.325+/-0.956 χ^2/NDF: 571556.3/27

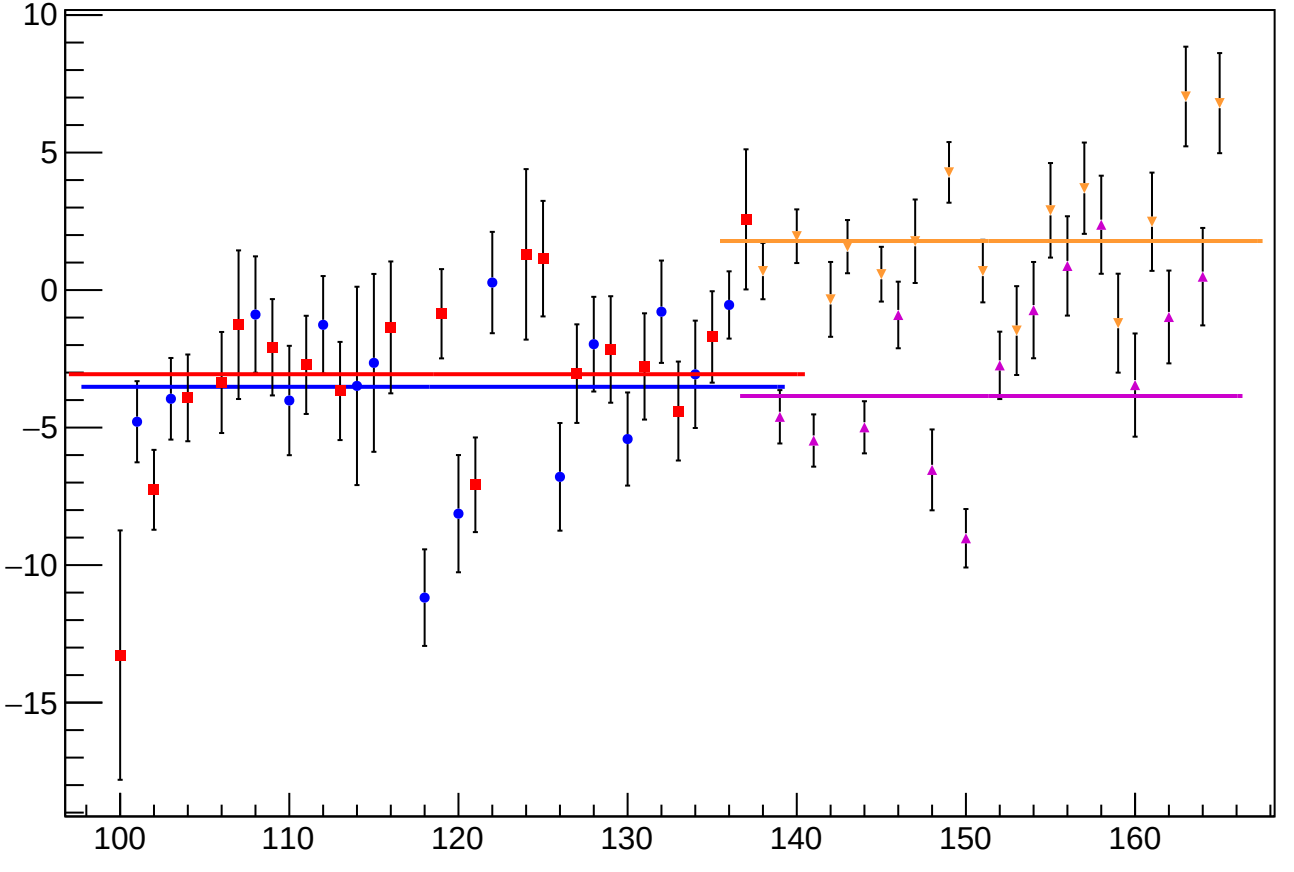
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6320.671+/-1.061 χ^2/NDF:604503.0/28

Out: 6305.868+/-1.025 χ^2/NDF:555631.0/33

All: 6313.015+/-0.737 χ^2/NDF: 1160234.7/62

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.784+/-0.334 χ^2/NDF:35.9/14

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -3.852+/-0.356 χ^2/NDF:69.9/12

Left: -0.853+/-0.244 χ^2/NDF: 238.9/27

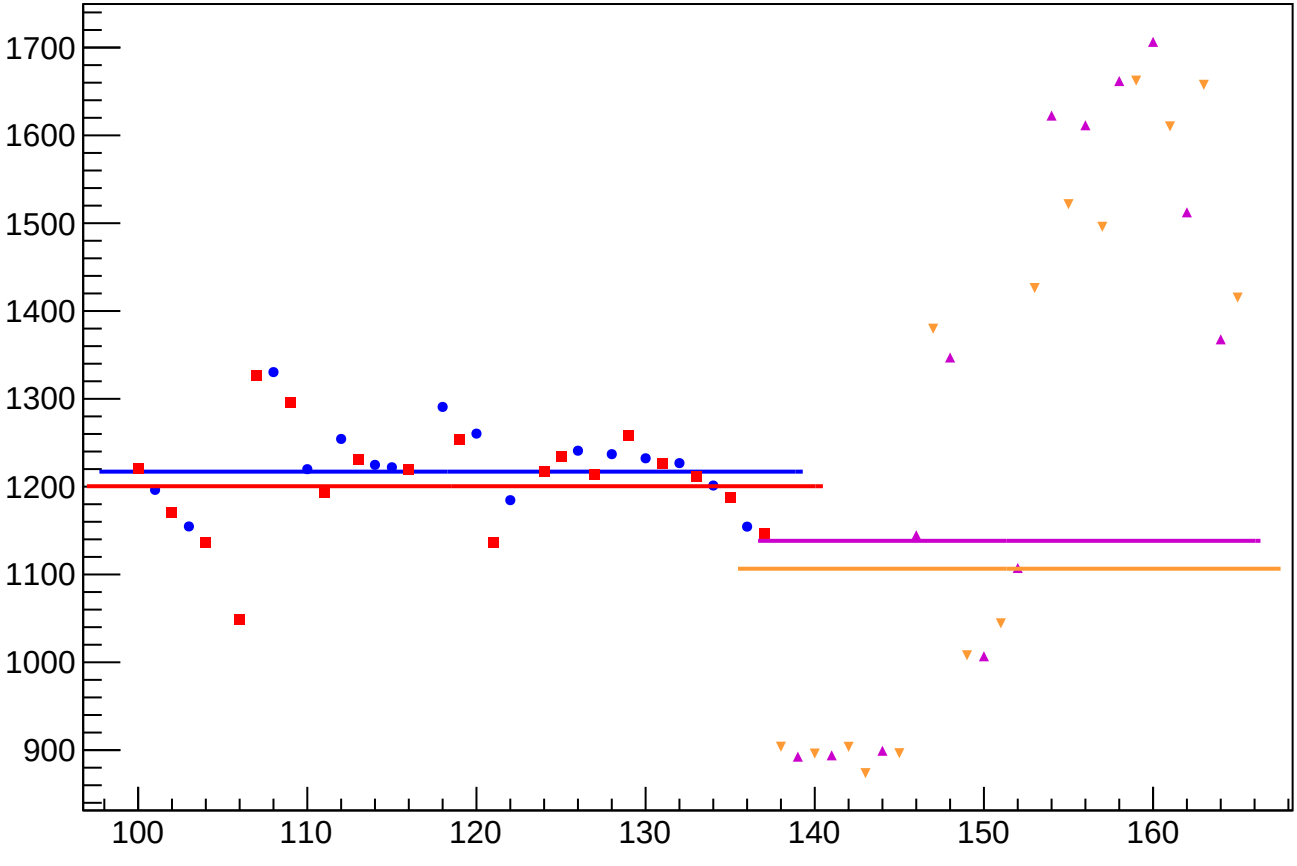
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.724+/-0.280 χ^2/NDF:115.3/28

Out: 0.005+/-0.266 χ^2/NDF:147.9/33

All: -1.763+/-0.193 χ^2/NDF: 356.6/62

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1106.555+/-0.236 χ^2/NDF:1404796.8/14

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1138.327+/-0.252 χ^2/NDF:1237624.4/12

Left: 1121.418+/-0.172 χ^2/NDF: 2650886.3/27

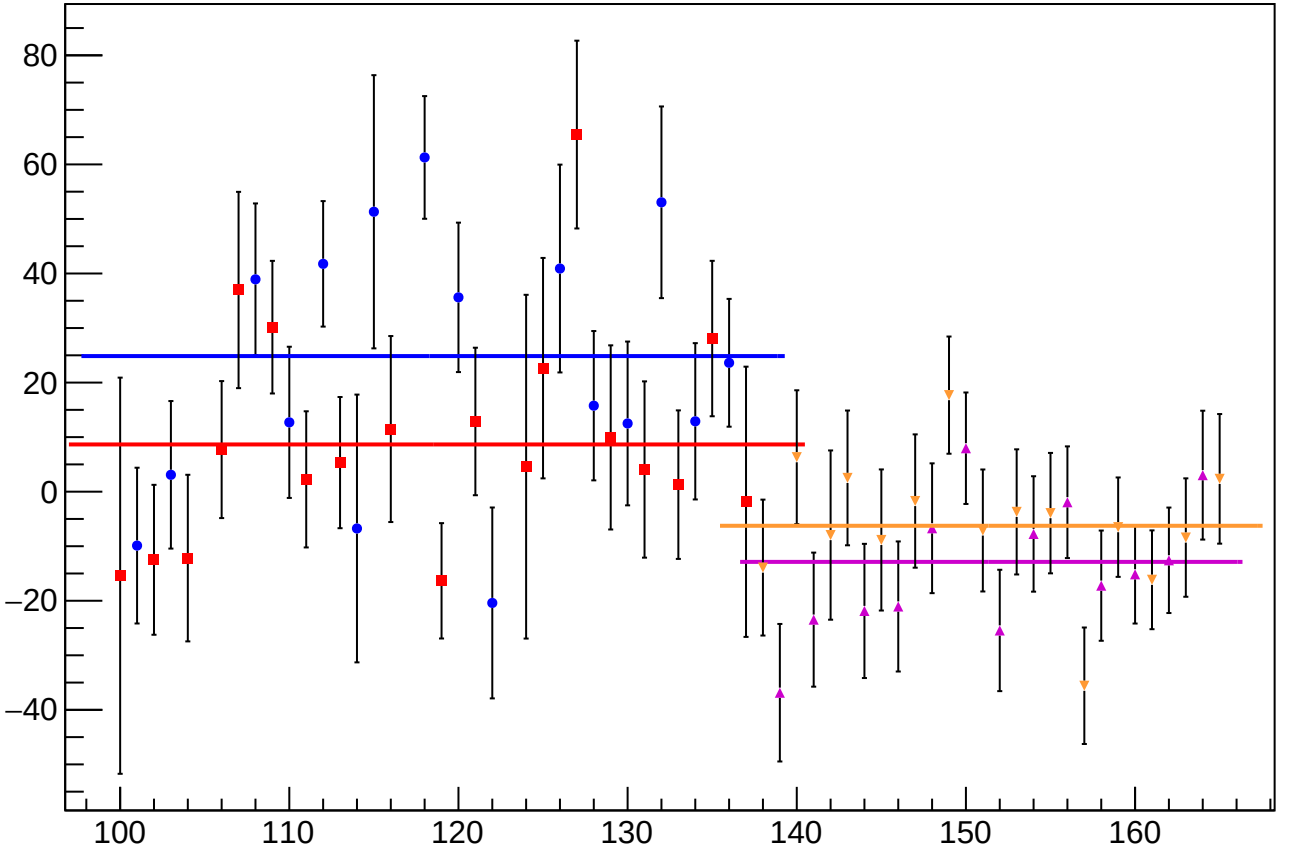
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1168.476+/-0.198 χ^2/NDF:1296731.6/28

Out: 1141.065+/-0.188 χ^2/NDF:1500565.3/33

All: 1154.057+/-0.136 χ^2/NDF: 2807387.3/62

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.253+/-2.917 χ^2/NDF:16.5/14

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.872+/-3.020 χ^2/NDF:14.5/12

Left: -9.449+/-2.098 χ^2/NDF: 33.5/27

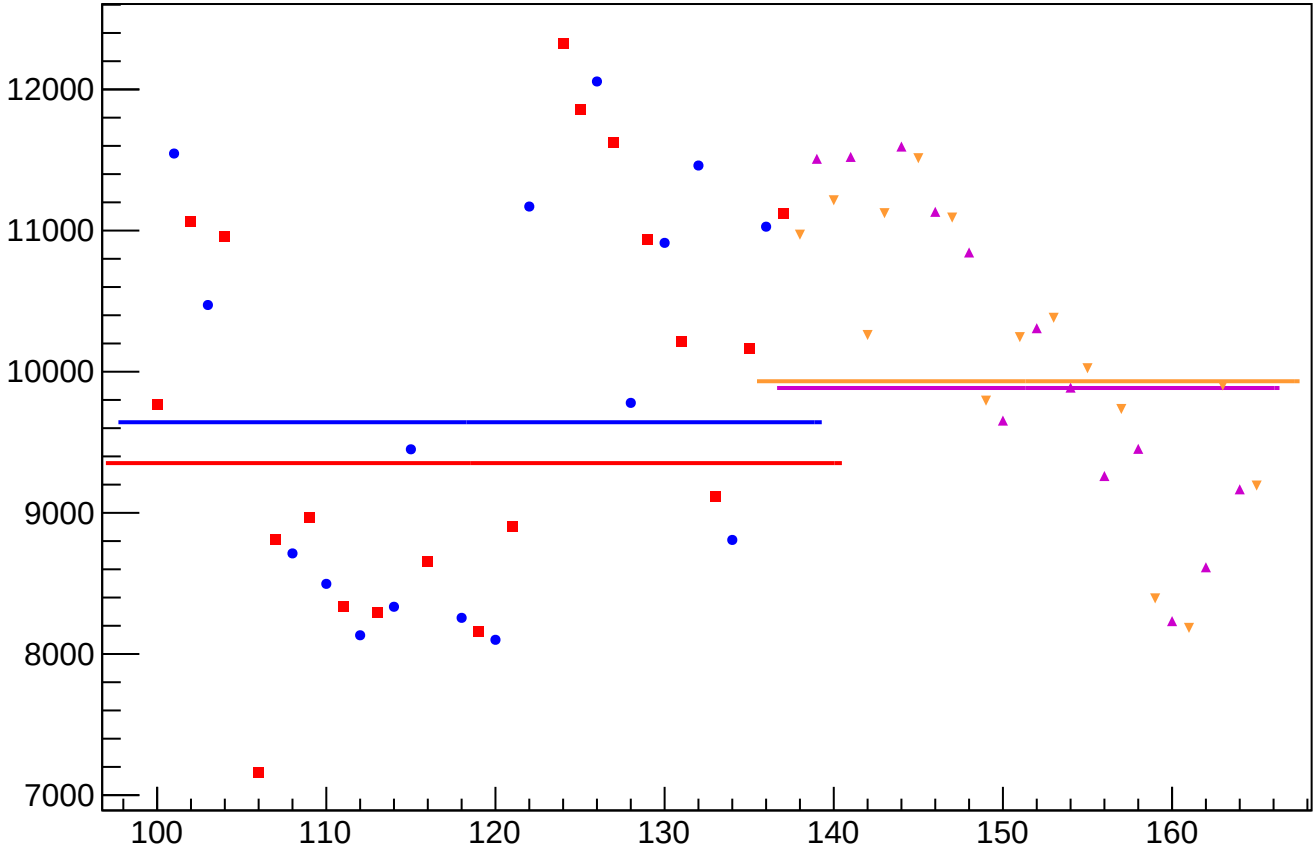
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 2.569+/-2.321 χ^2/NDF:116.6/28

Out: -0.044+/-2.229 χ^2/NDF:57.5/33

All: 1.210+/-1.608 χ^2/NDF: 174.7/62

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9932.468+/-2.063 χ^2/NDF:248044.2/14

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9884.583+/-2.135 χ^2/NDF:266158.7/12

Left: 9909.350+/-1.484 χ^2/NDF: 514463.1/27

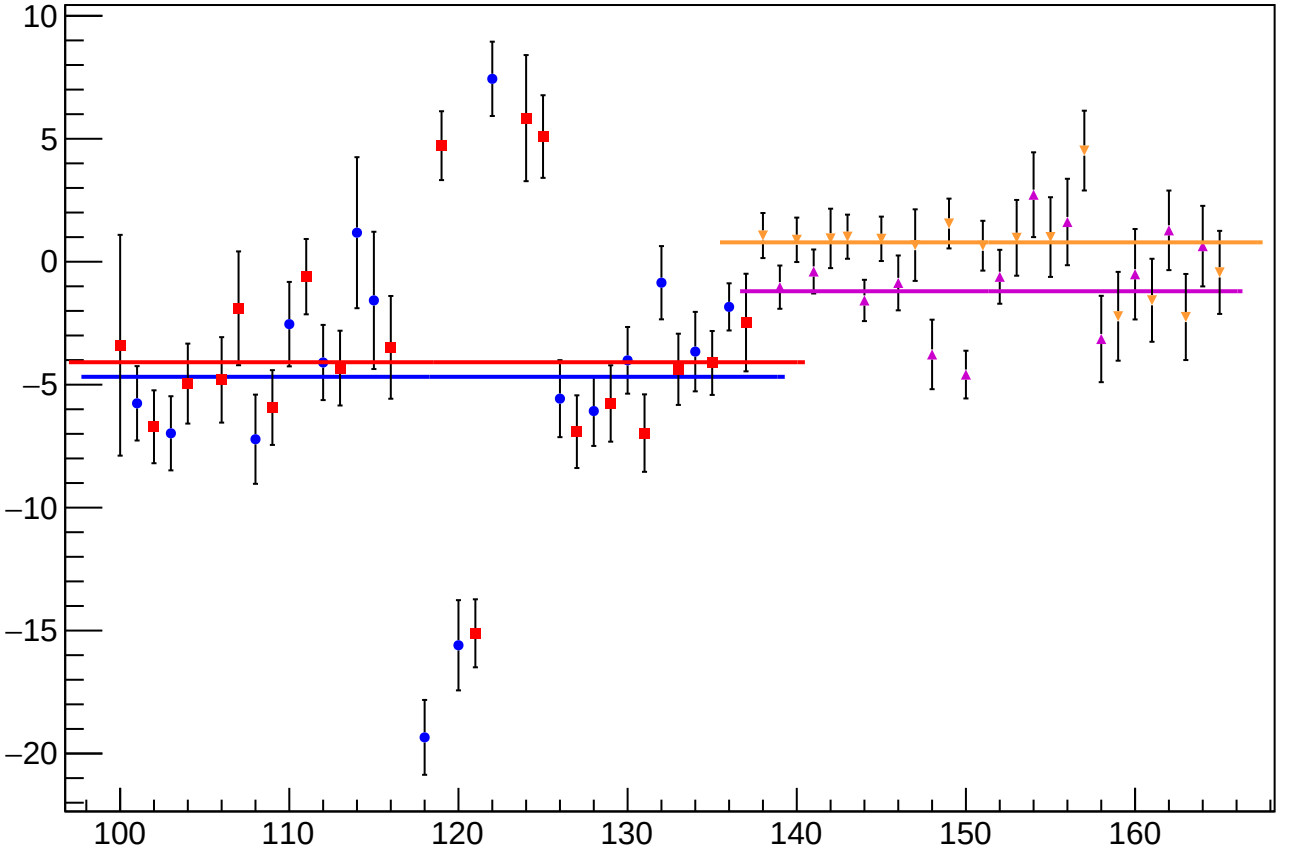
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9785.340+/-1.641 χ^2/NDF:551095.4/28

Out: 9690.970+/-1.576 χ^2/NDF:582737.4/33

All: 9736.243+/-1.137 χ^2/NDF: 1135553.2/62

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.787+/-0.308 χ^2/NDF:14.4/14

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.200+/-0.330 χ^2/NDF:29.6/12

Left: -0.140+/-0.225 χ^2/NDF: 63.4/27

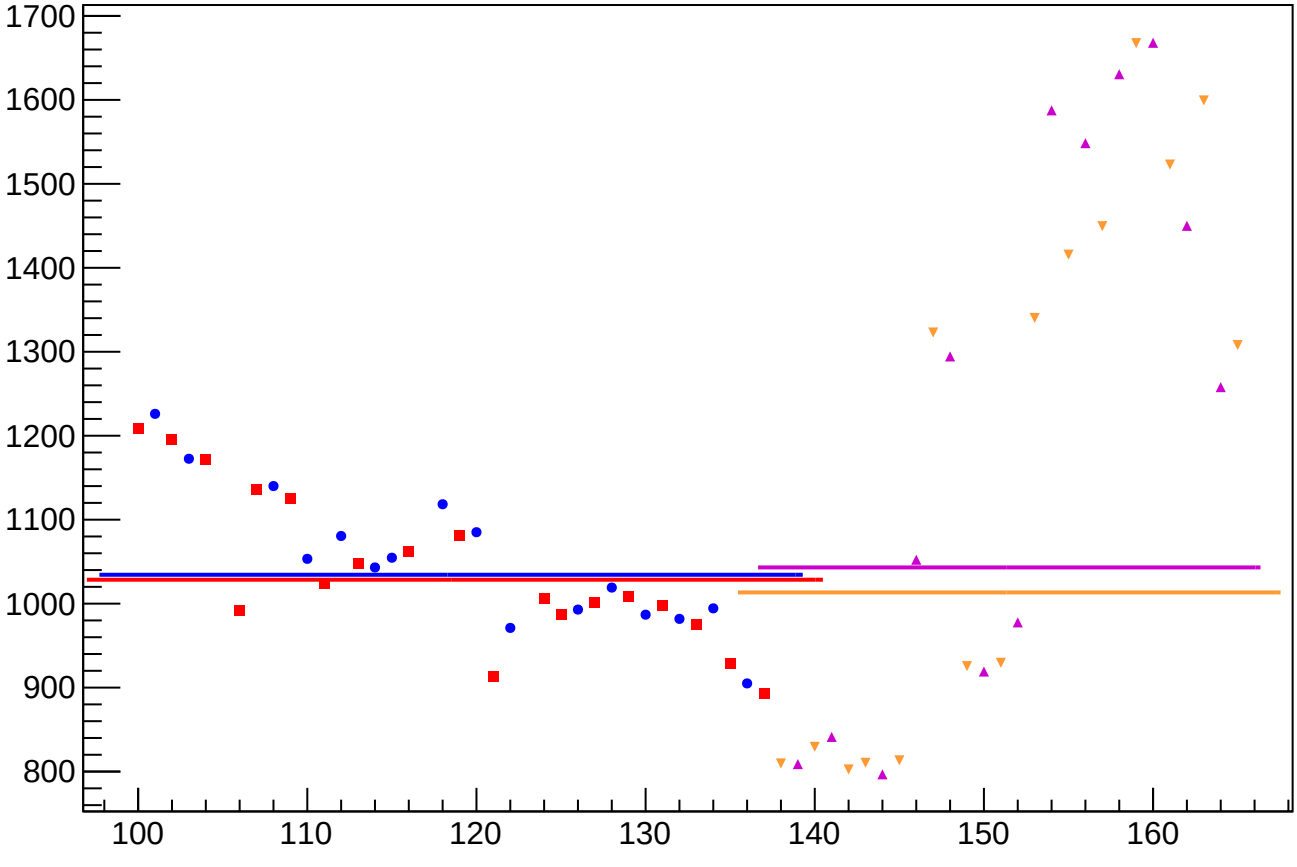
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.670+/-0.251 χ^2/NDF:297.8/28

Out: -1.171+/-0.239 χ^2/NDF:282.8/33

All: -1.883+/-0.173 χ^2/NDF: 599.4/62

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1013.343+/-0.218 χ^2/NDF:1649956.3/14

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1043.124+/-0.233 χ^2/NDF:1499647.4/12

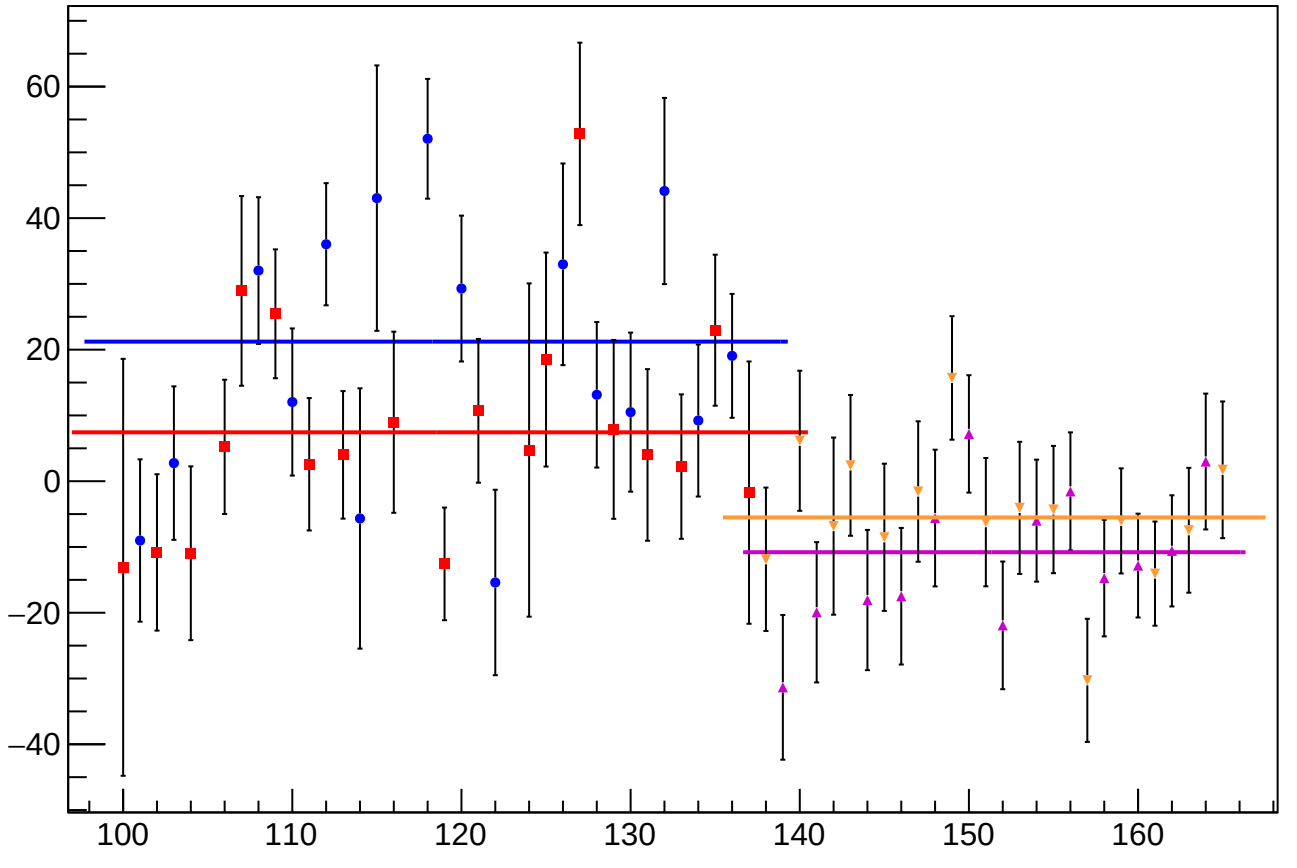
Left: 1027.240+/-0.159 χ^2/NDF: 3158302.7/27

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1039.442+/-0.177 χ^2/NDF:1613516.7/28

Out: 1019.433+/-0.169 χ^2/NDF:1753521.4/33

All: 1028.943+/-0.122 χ^2/NDF: 3373723.6/62



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -5.510+/-2.548 χ^2/NDF:16.1/14

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.797+/-2.638 χ^2/NDF:14.1/12

Left: -8.062+/-1.833 χ^2/NDF: 32.3/27

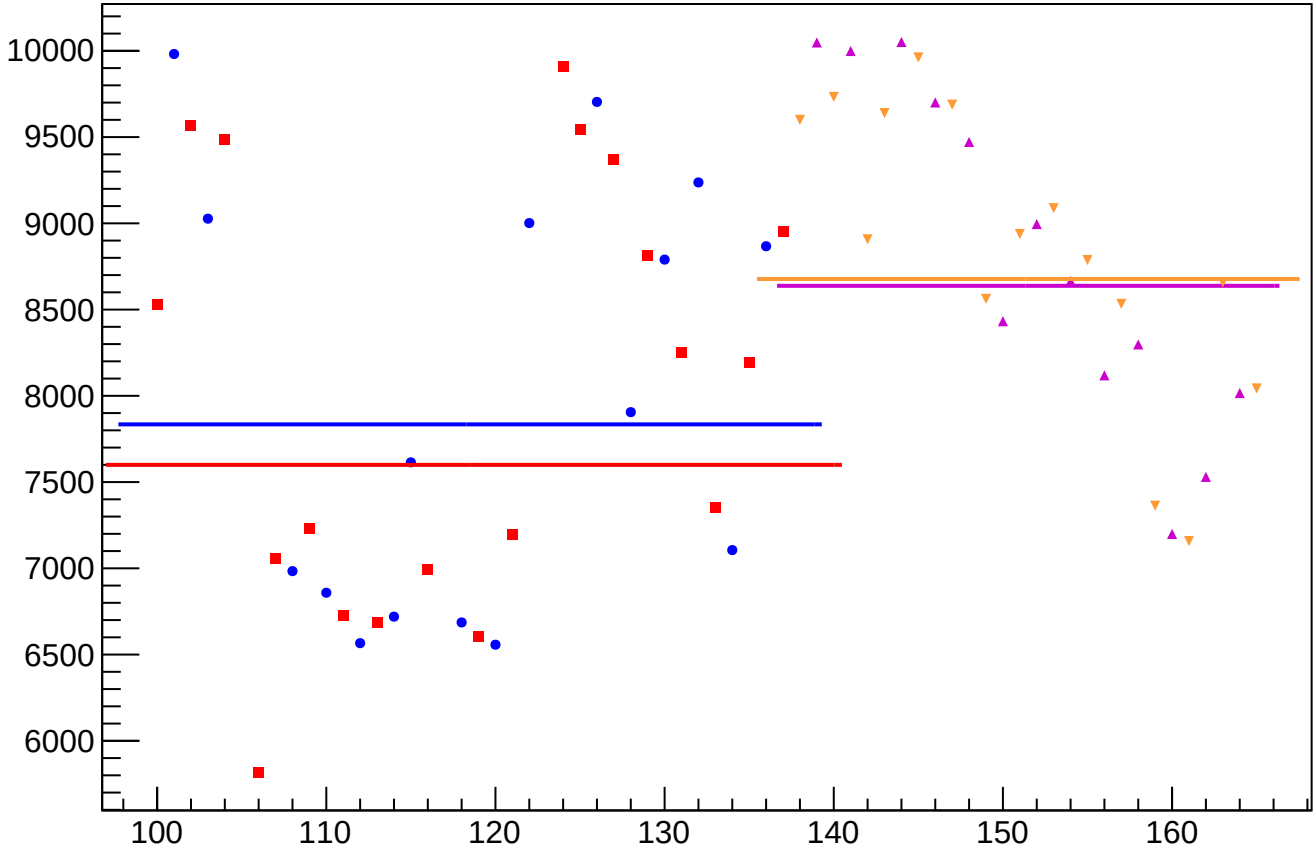
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 3.419+/-1.967 χ^2/NDF:119.6/28

Out: 0.330+/-1.888 χ^2/NDF:57.6/33

All: 1.811+/-1.362 χ^2/NDF: 178.5/62

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8677.345+/-1.802 χ^2/NDF:235910.7/14

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8637.826+/-1.865 χ^2/NDF:255900.1/12

Left: 8658.271+/-1.296 χ^2/NDF: 492043.0/27

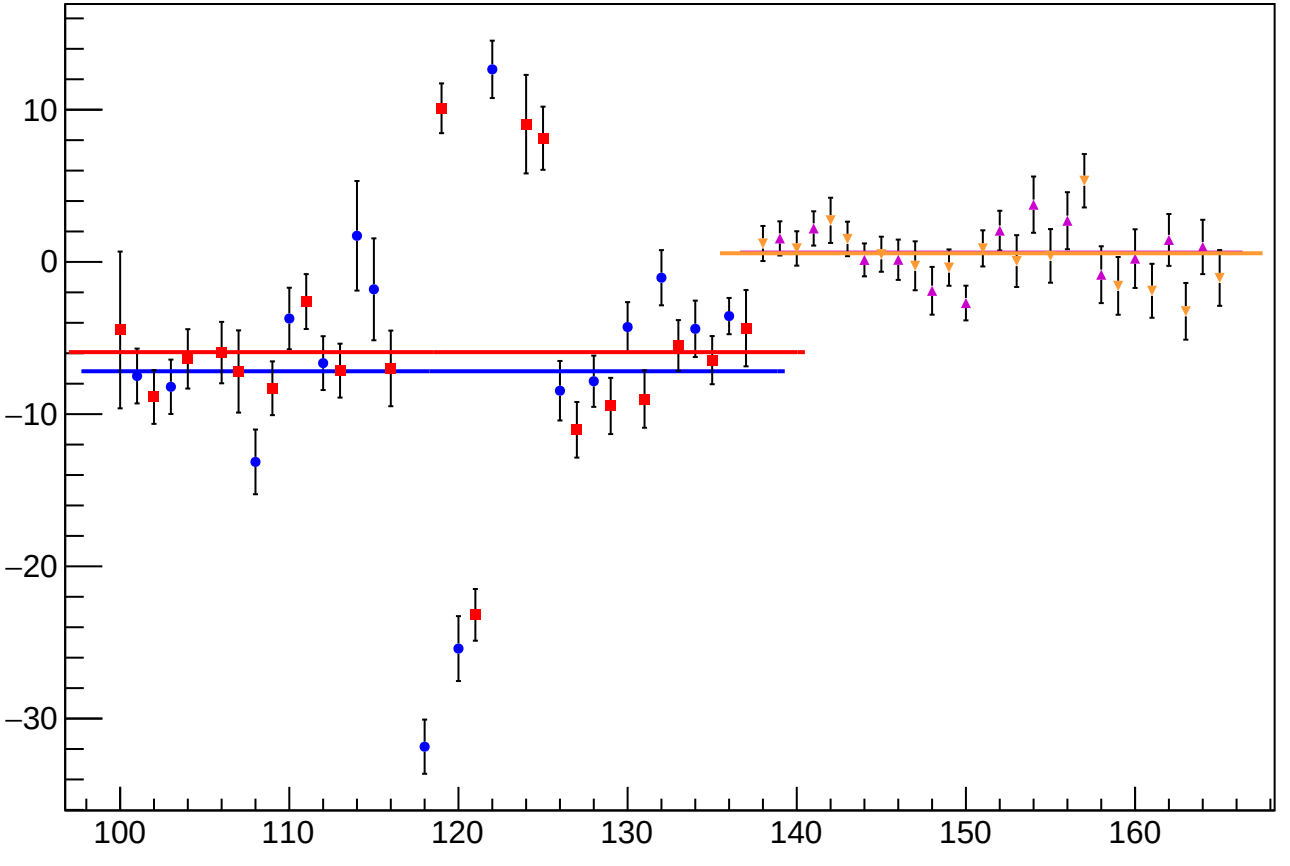
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8281.206+/-1.391 χ^2/NDF:656326.1/28

Out: 8191.195+/-1.335 χ^2/NDF:741604.4/33

All: 8234.350+/-0.963 χ^2/NDF: 1400110.9/62

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.569+/-0.365 χ^2/NDF:19.8/14

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.612+/-0.390 χ^2/NDF:20.3/12

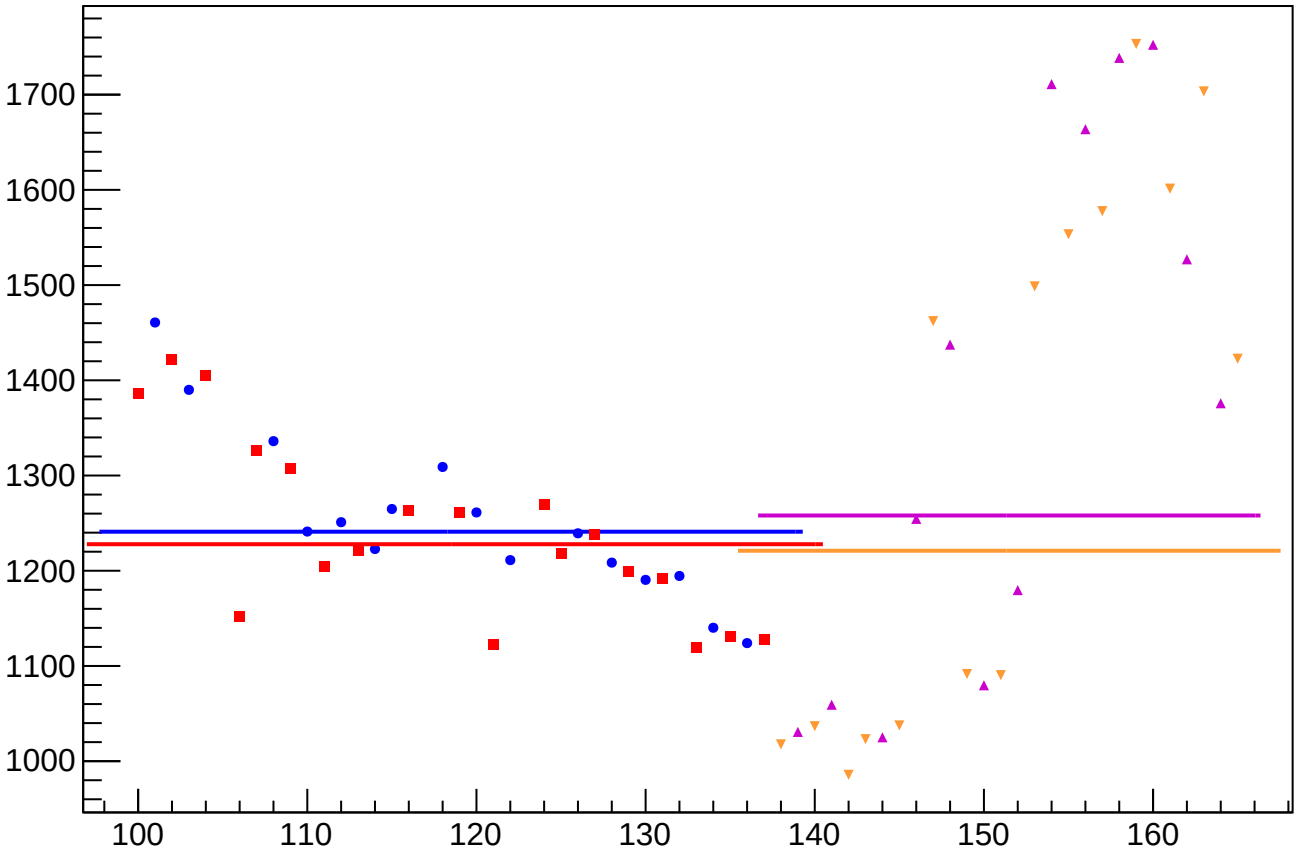
Left: 0.589+/-0.267 χ^2/NDF: 40.1/27

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.632+/-0.298 χ^2/NDF:608.5/28

Out: -2.017+/-0.283 χ^2/NDF:436.1/33

All: -2.309+/-0.205 χ^2/NDF: 1046.8/62



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1221.019+/-0.258 χ^2/NDF:985042.8/14

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1258.022+/-0.276 χ^2/NDF:856038.8/12

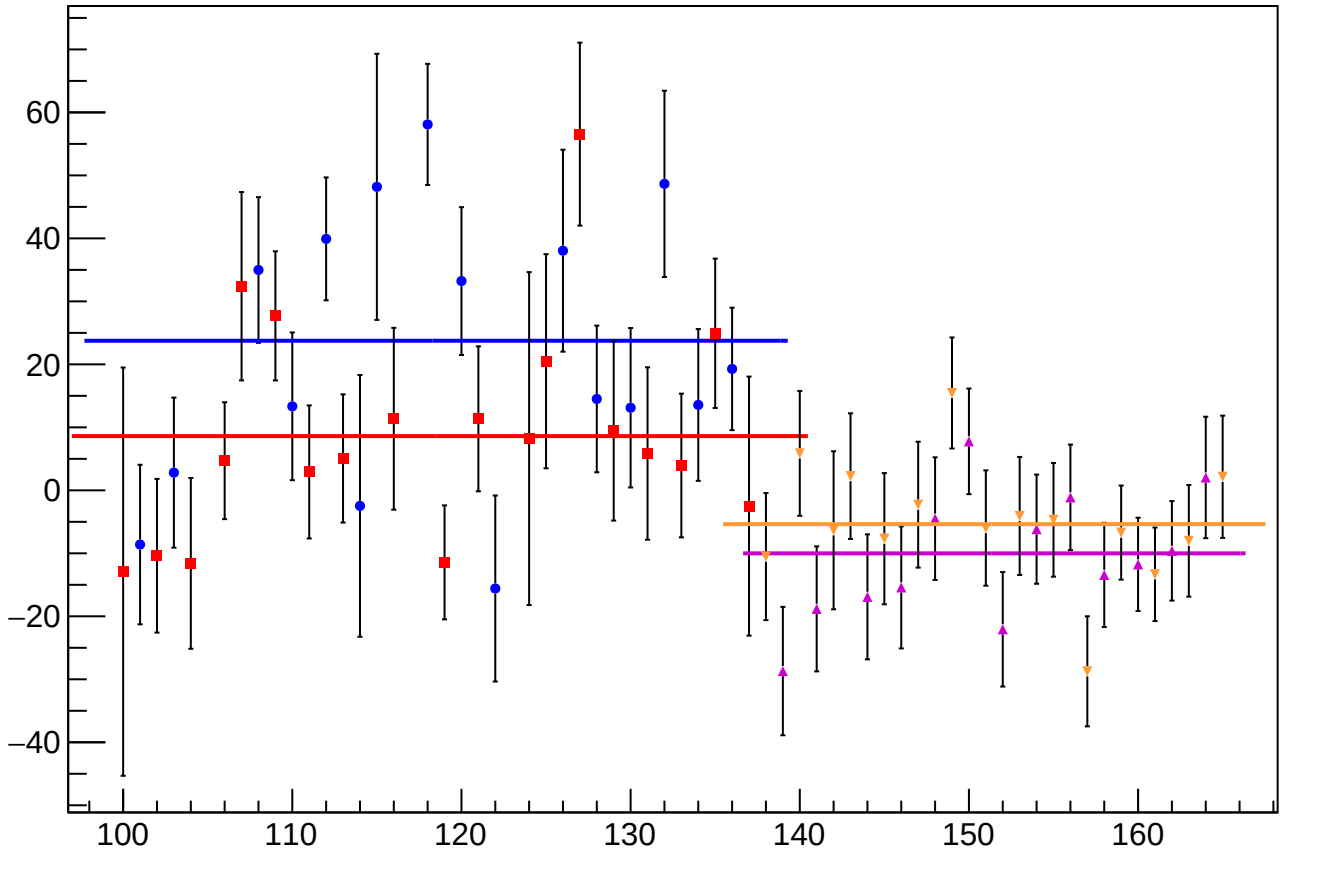
Left: 1238.295+/-0.189 χ^2/NDF: 1850664.2/27

Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

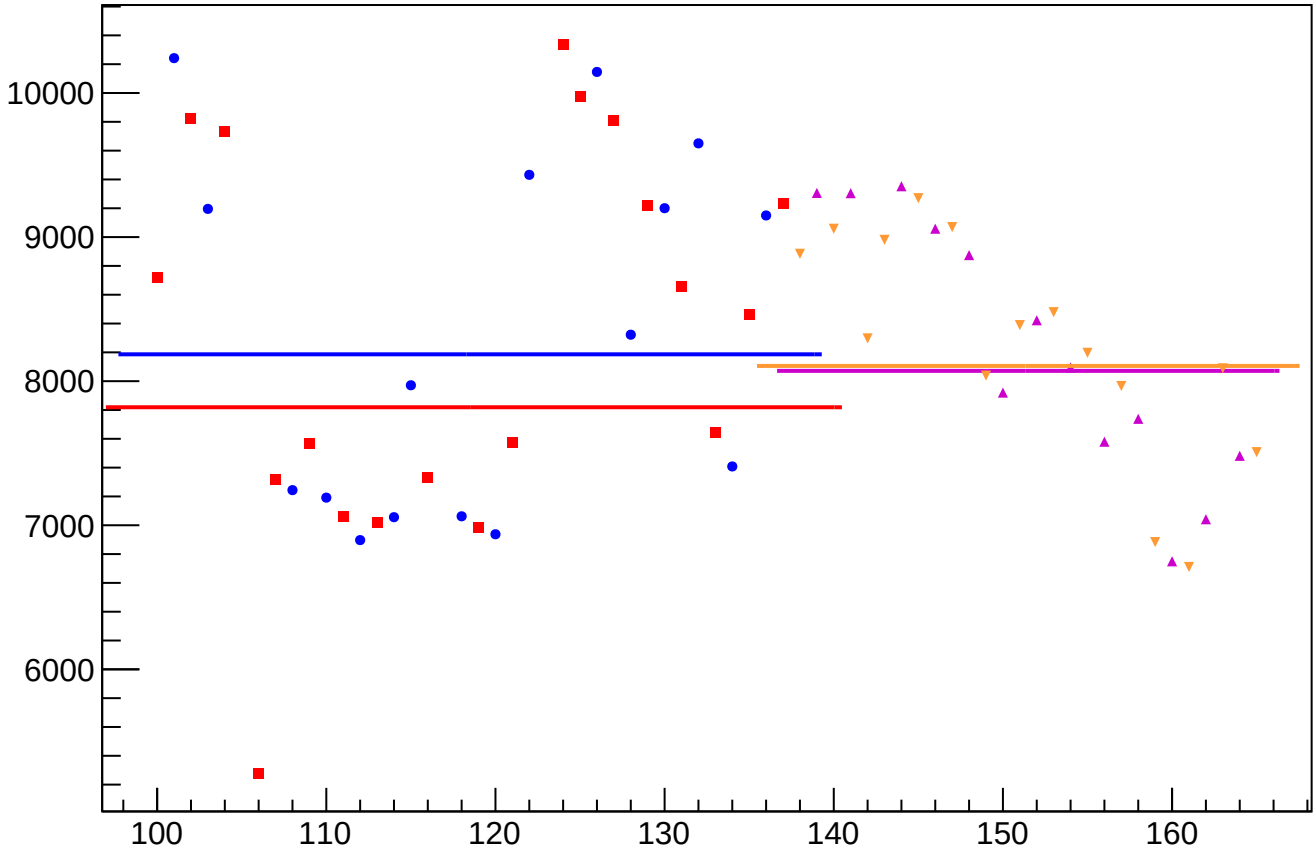
In: 1250.941+/-0.211 χ^2/NDF:938274.0/28

Out: 1223.744+/-0.200 χ^2/NDF:1067661.5/33

All: 1236.648+/-0.145 χ^2/NDF: 2014675.9/62


diff_bpm0l09X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: 23.750+/-3.081 χ²/NDF: 43.4/15
Left Out: -5.372+/-2.380 χ²/NDF:16.9/14
Right Out: 8.609+/-2.899 χ²/NDF: 30.5/18
Left In: -10.007+/-2.464 χ²/NDF:14.6/12
Left: -7.608+/-1.712 χ²/NDF: 33.4/27
Right: 15.718+/-2.111 χ²/NDF: 86.7/34
In: 3.160+/-1.924 χ²/NDF:131.3/28
Out: 0.256+/-1.839 χ²/NDF:61.3/33
All: 1.642+/-1.330 χ²/NDF: 193.7/62

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8105.916+/-1.683 χ^2/NDF:227519.3/14

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8071.606+/-1.742 χ^2/NDF:246993.2/12

Left: 8089.360+/-1.210 χ^2/NDF: 474713.1/27

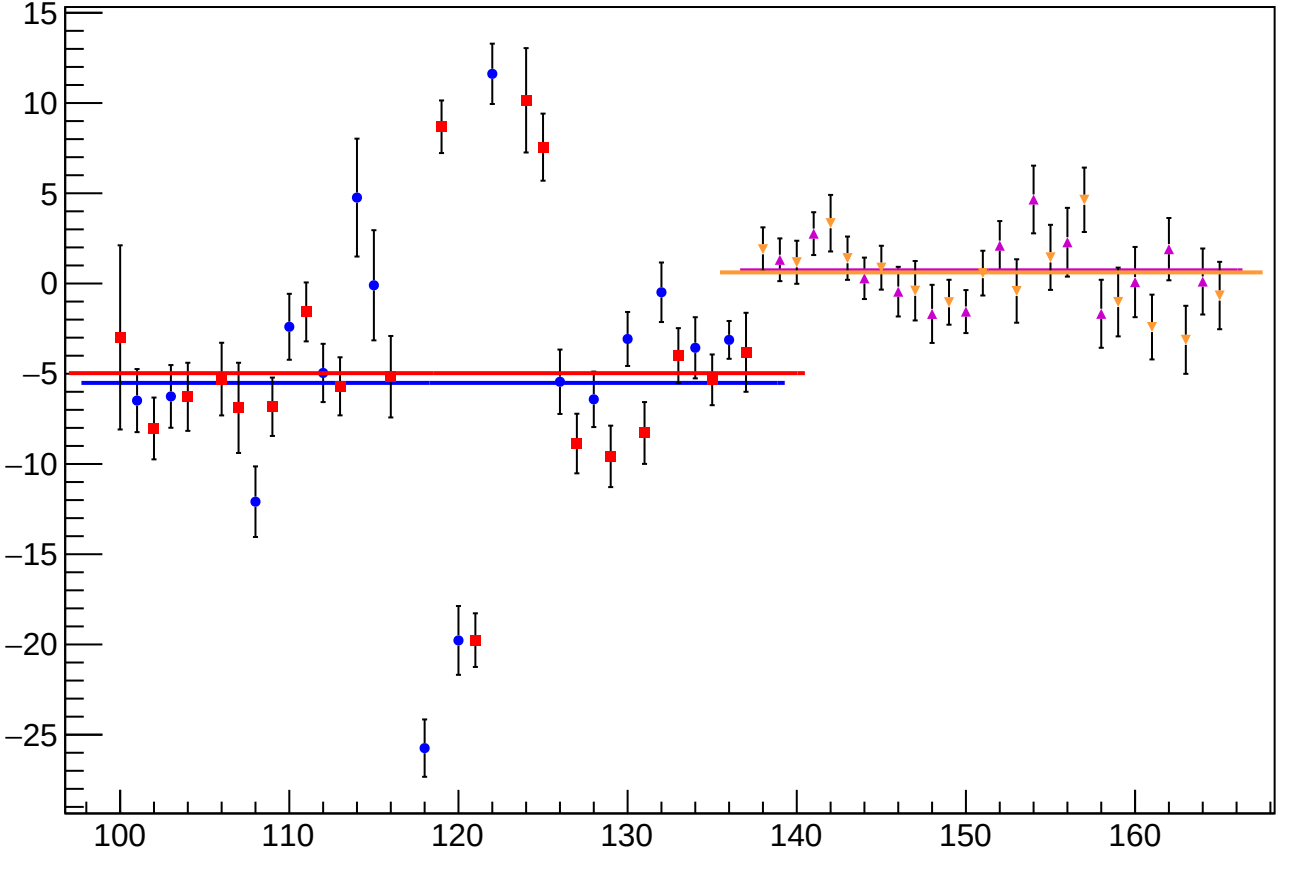
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8116.366+/-1.361 χ^2/NDF:539313.9/28

Out: 7990.409+/-1.301 χ^2/NDF:662224.8/33

All: 8050.539+/-0.940 χ^2/NDF: 1206016.2/62

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.616+/-0.380 χ^2/NDF:20.6/14

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.730+/-0.406 χ^2/NDF:18.4/12

Left: 0.670+/-0.277 χ^2/NDF: 39.0/27

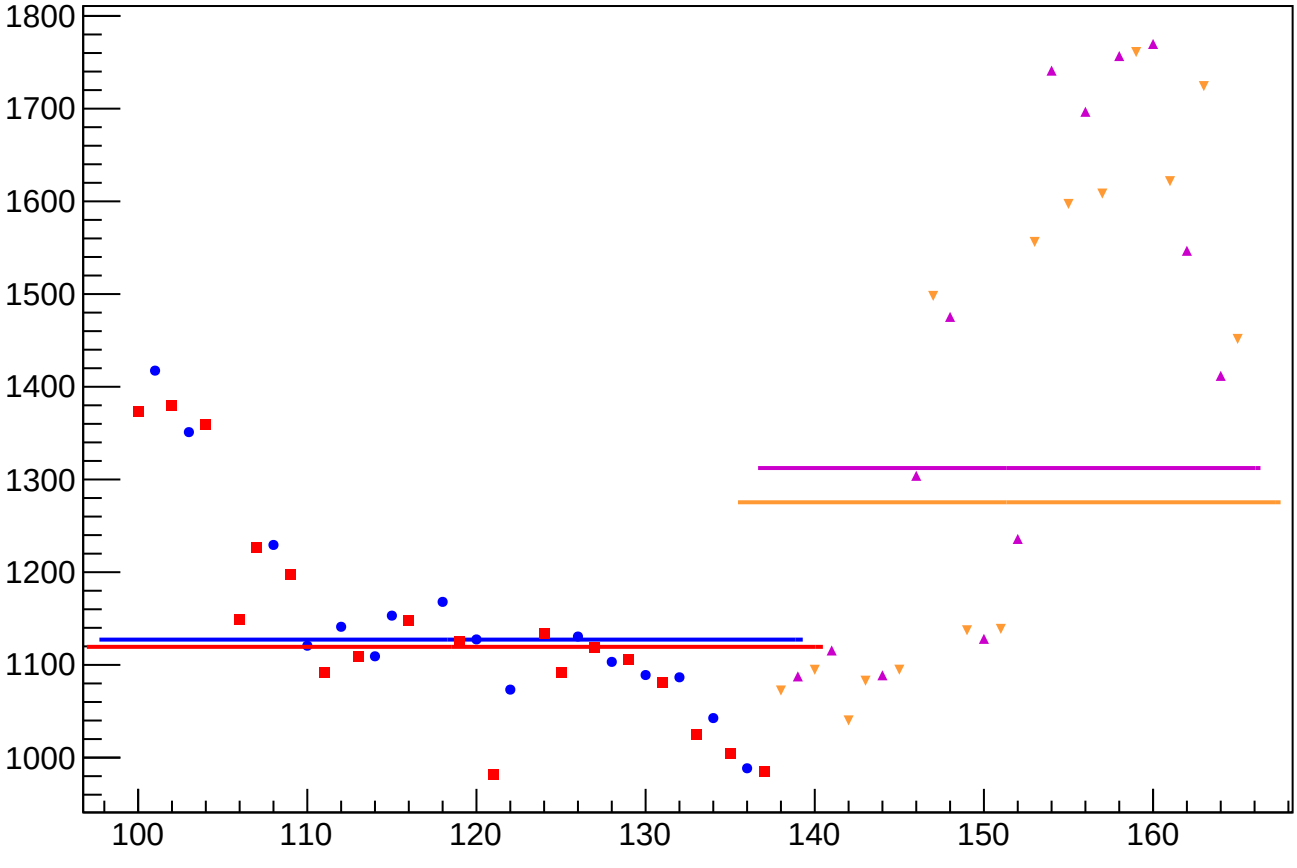
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.272+/-0.292 χ^2/NDF:502.0/28

Out: -1.961+/-0.279 χ^2/NDF:407.6/33

All: -2.110+/-0.202 χ^2/NDF: 910.2/62

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1275.407+/-0.269 χ^2/NDF:847937.3/14

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1312.345+/-0.287 χ^2/NDF:728070.5/12

Left: 1292.678+/-0.196 χ^2/NDF: 1584842.7/27

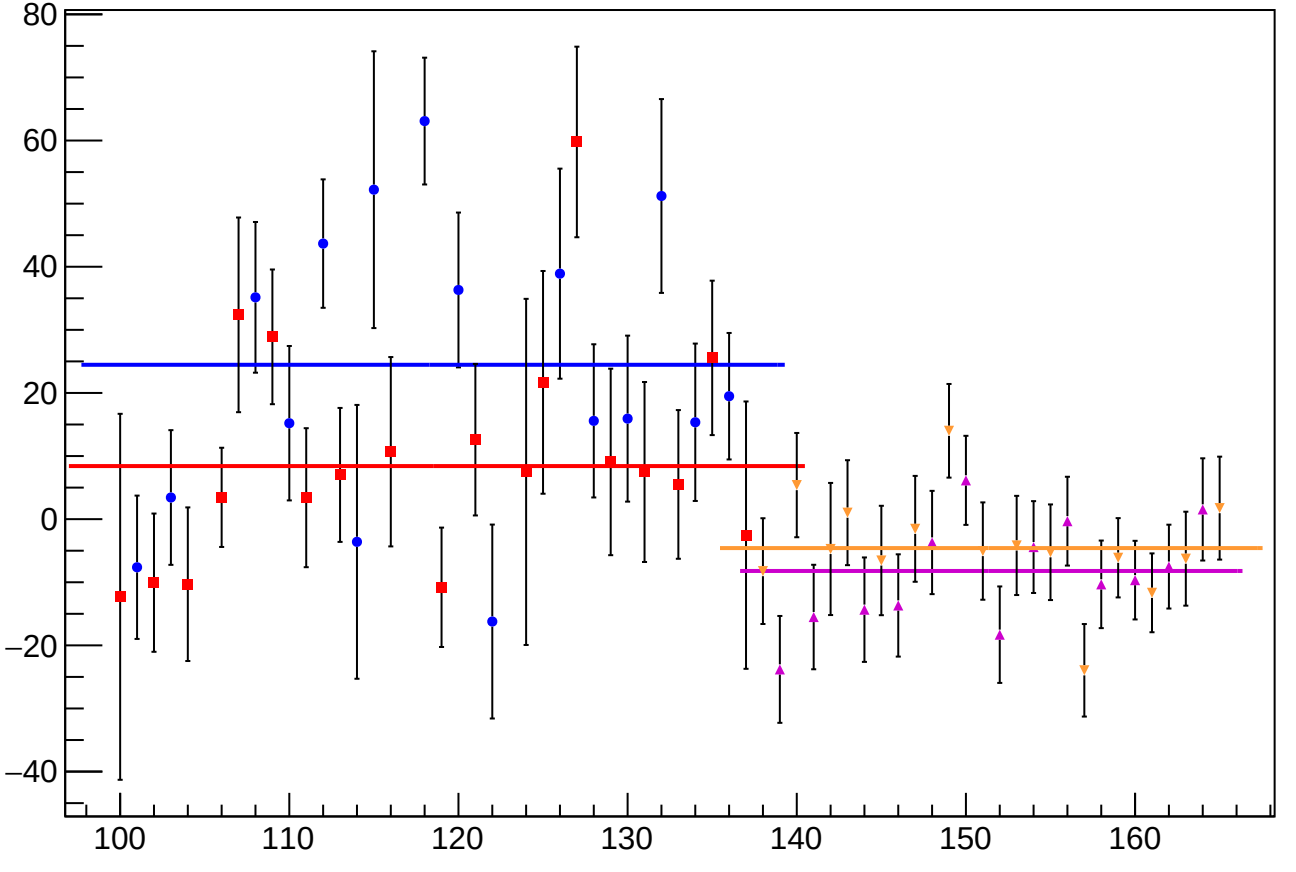
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1223.254+/-0.206 χ^2/NDF:1069195.5/28

Out: 1203.412+/-0.197 χ^2/NDF:1144144.2/33

All: 1212.874+/-0.143 χ^2/NDF: 2218169.5/62

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.584+/-1.995 χ^2/NDF:17.6/14

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.211+/-2.067 χ^2/NDF:14.5/12

Left: -6.333+/-1.436 χ^2/NDF: 33.6/27

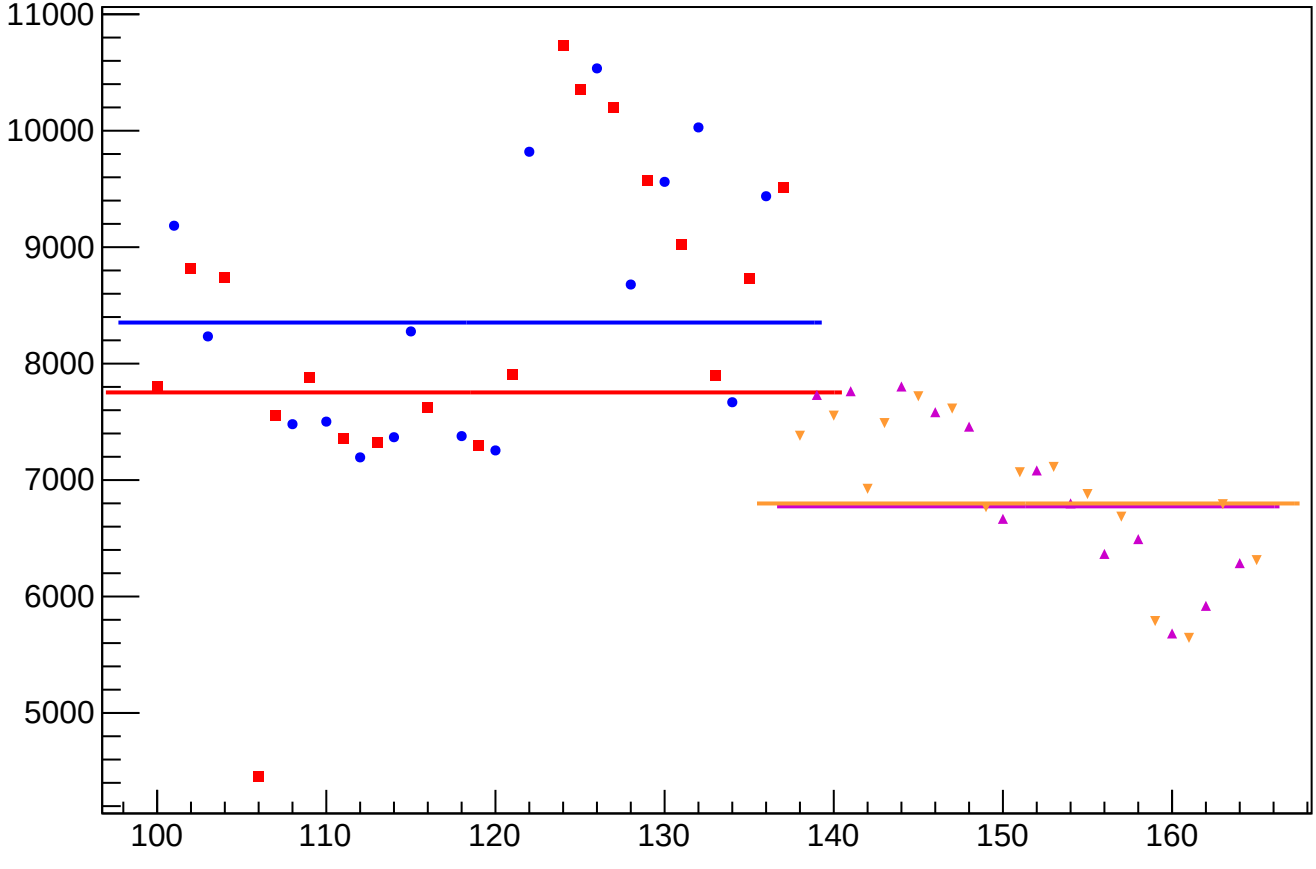
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.686+/-1.726 χ^2/NDF:138.5/28

Out: -0.391+/-1.642 χ^2/NDF:62.4/33

All: 0.596+/-1.190 χ^2/NDF: 201.6/62

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6798.996+/-1.411 χ^2/NDF:215184.6/14

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6774.210+/-1.462 χ^2/NDF:234372.0/12

Left: 6787.043+/-1.015 χ^2/NDF: 449705.4/27

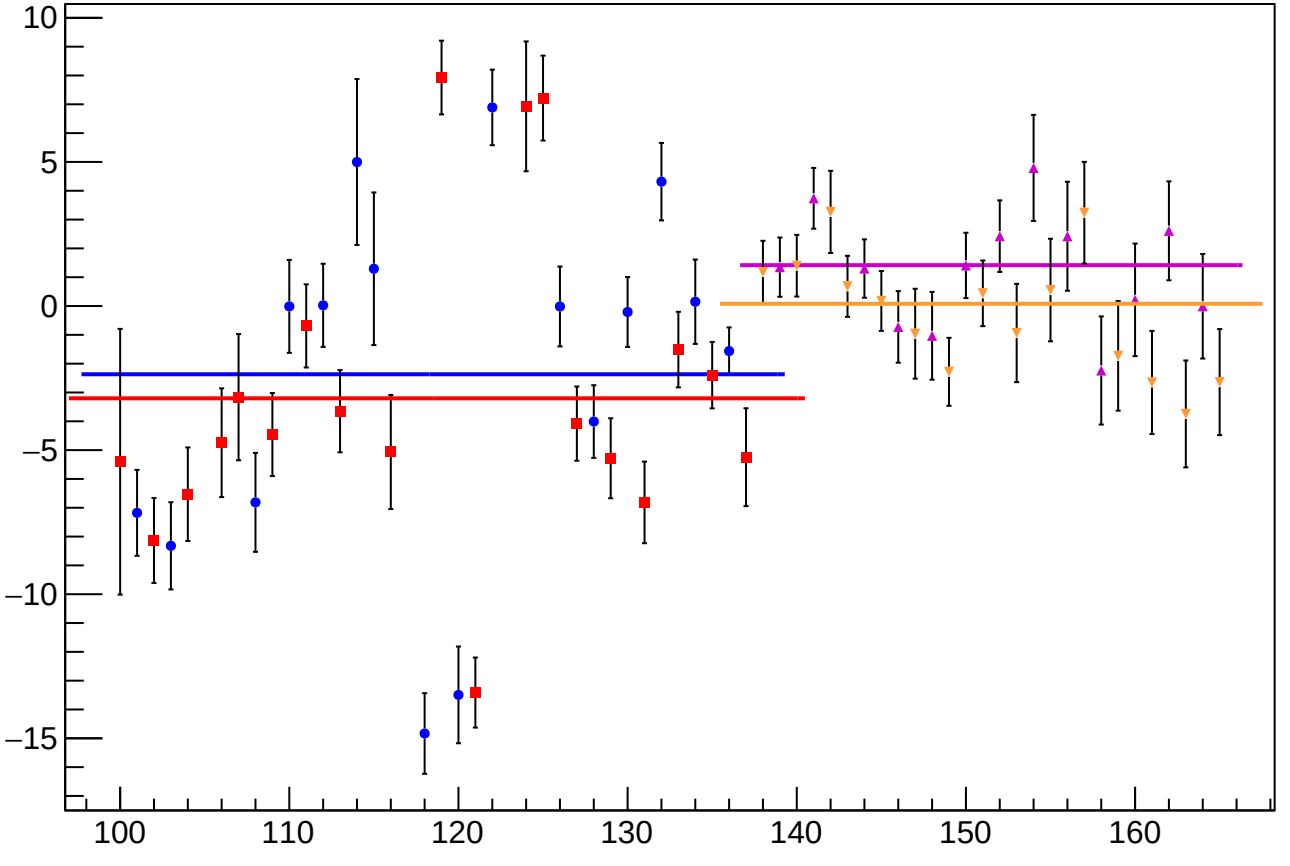
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7252.337+/-1.220 χ^2/NDF:808011.9/28

Out: 7106.687+/-1.161 χ^2/NDF:950682.9/33

All: 7175.886+/-0.841 χ^2/NDF: 1766170.3/62

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.079+/-0.351 χ^2/NDF:25.7/14

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.418+/-0.376 χ^2/NDF:20.0/12

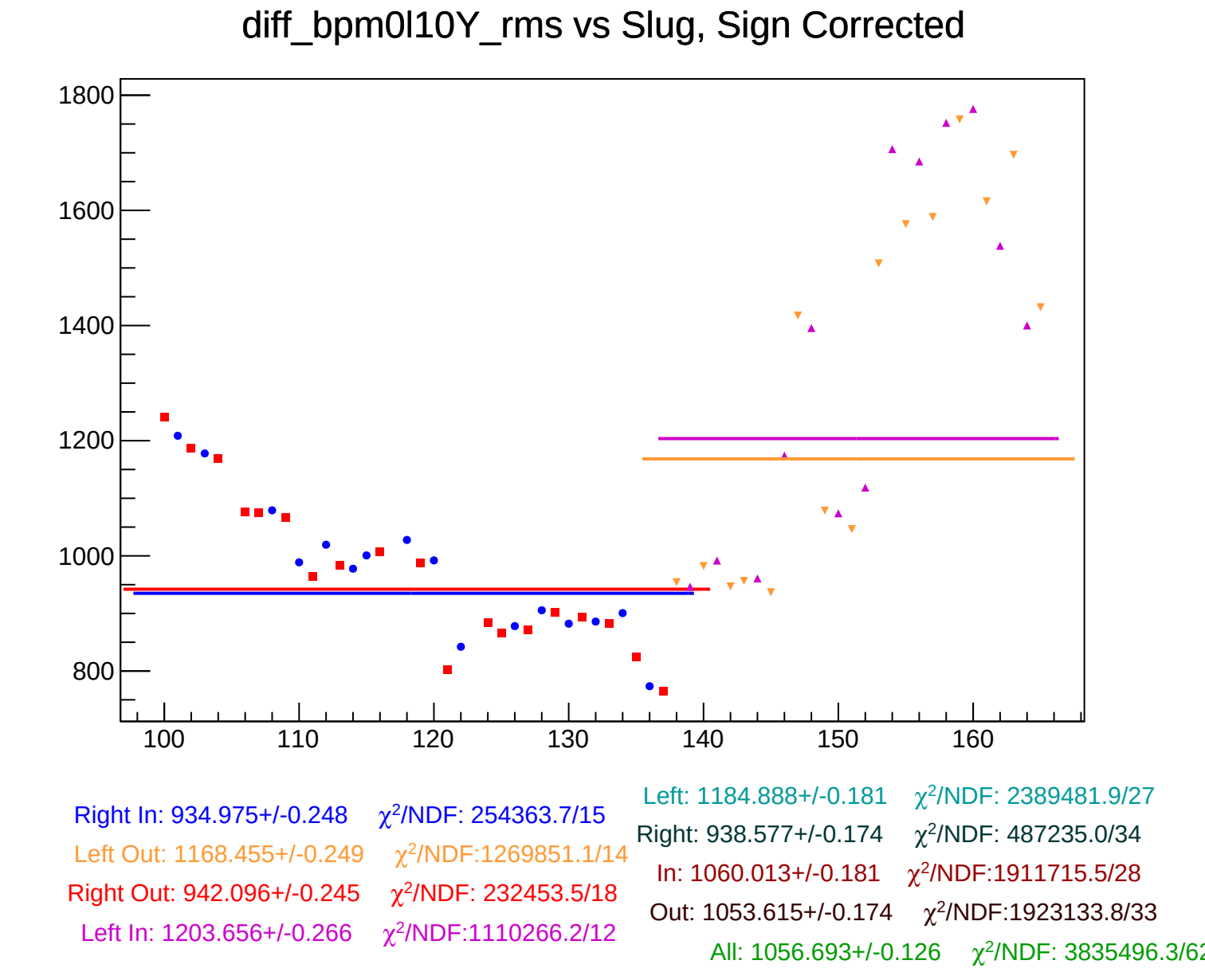
Left: 0.704+/-0.257 χ^2/NDF: 52.5/27

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

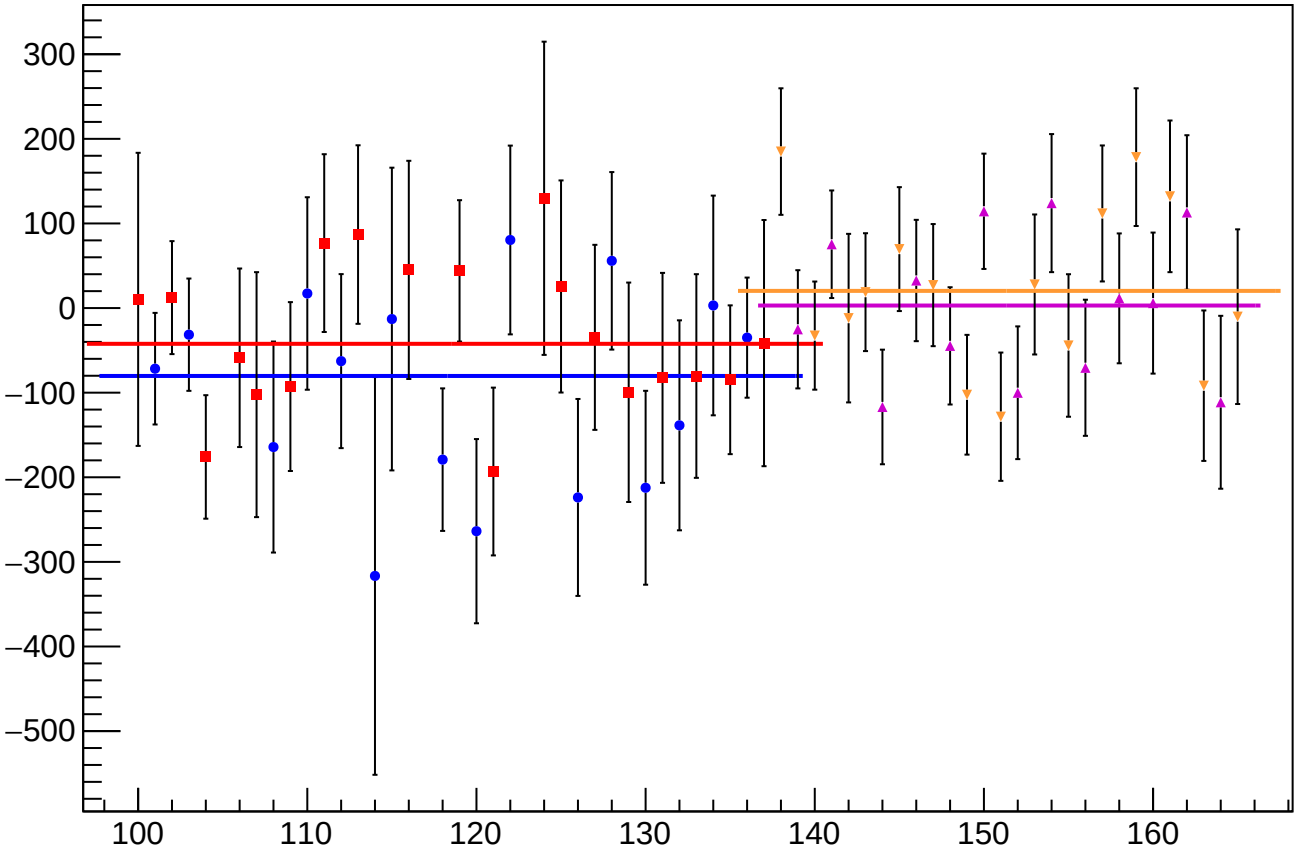
In: -0.606+/-0.256 χ^2/NDF:329.9/28

Out: -1.586+/-0.247 χ^2/NDF:320.5/33

All: -1.114+/-0.178 χ^2/NDF: 657.9/62


diff_bpm0l10Y_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 934.975+/-0.248 χ²/NDF: 254363.7/15
Left Out: 1168.455+/-0.249 χ²/NDF:1269851.1/14
Right Out: 942.096+/-0.245 χ²/NDF: 232453.5/18
Left In: 1203.656+/-0.266 χ²/NDF:1110266.2/12
Left: 1184.888+/-0.181 χ²/NDF: 2389481.9/27
Right: 938.577+/-0.174 χ²/NDF: 487235.0/34
In: 1060.013+/-0.181 χ²/NDF:1911715.5/28
Out: 1053.615+/-0.174 χ²/NDF:1923133.8/33
All: 1056.693+/-0.126 χ²/NDF: 3835496.3/62

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 20.302+/-20.326 χ^2/NDF:21.9/14

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 2.990+/-20.919 χ^2/NDF:15.4/12

Left: 11.895+/-14.578 χ^2/NDF: 37.6/27

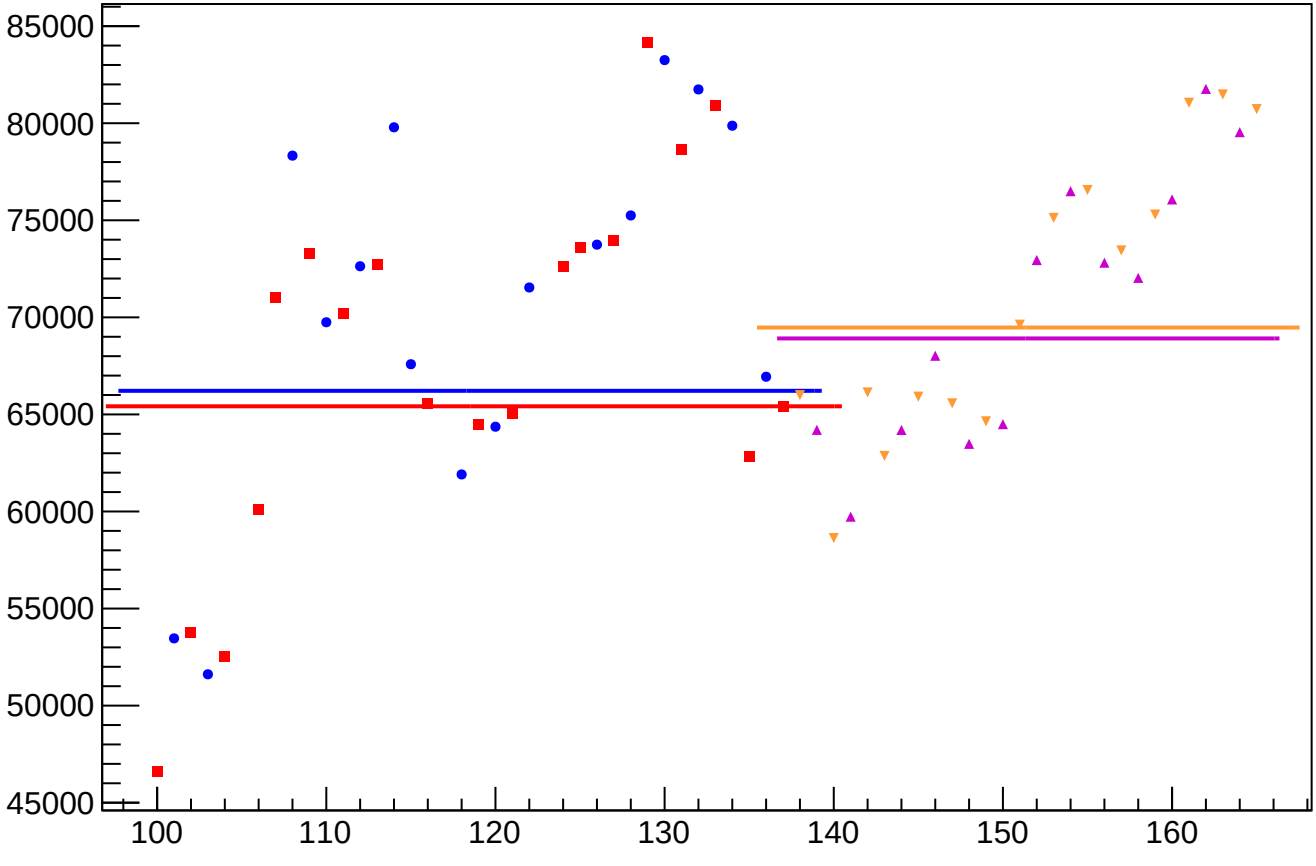
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -31.437+/-16.019 χ^2/NDF:36.7/28

Out: -5.649+/-15.550 χ^2/NDF:38.8/33

All: -18.159+/-11.158 χ^2/NDF: 76.8/62

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69476.297+/-14.373 χ^2/NDF:234295.2/14

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 68913.988+/-14.792 χ^2/NDF:188094.8/12

Left: 69203.219+/-10.308 χ^2/NDF: 423133.3/27

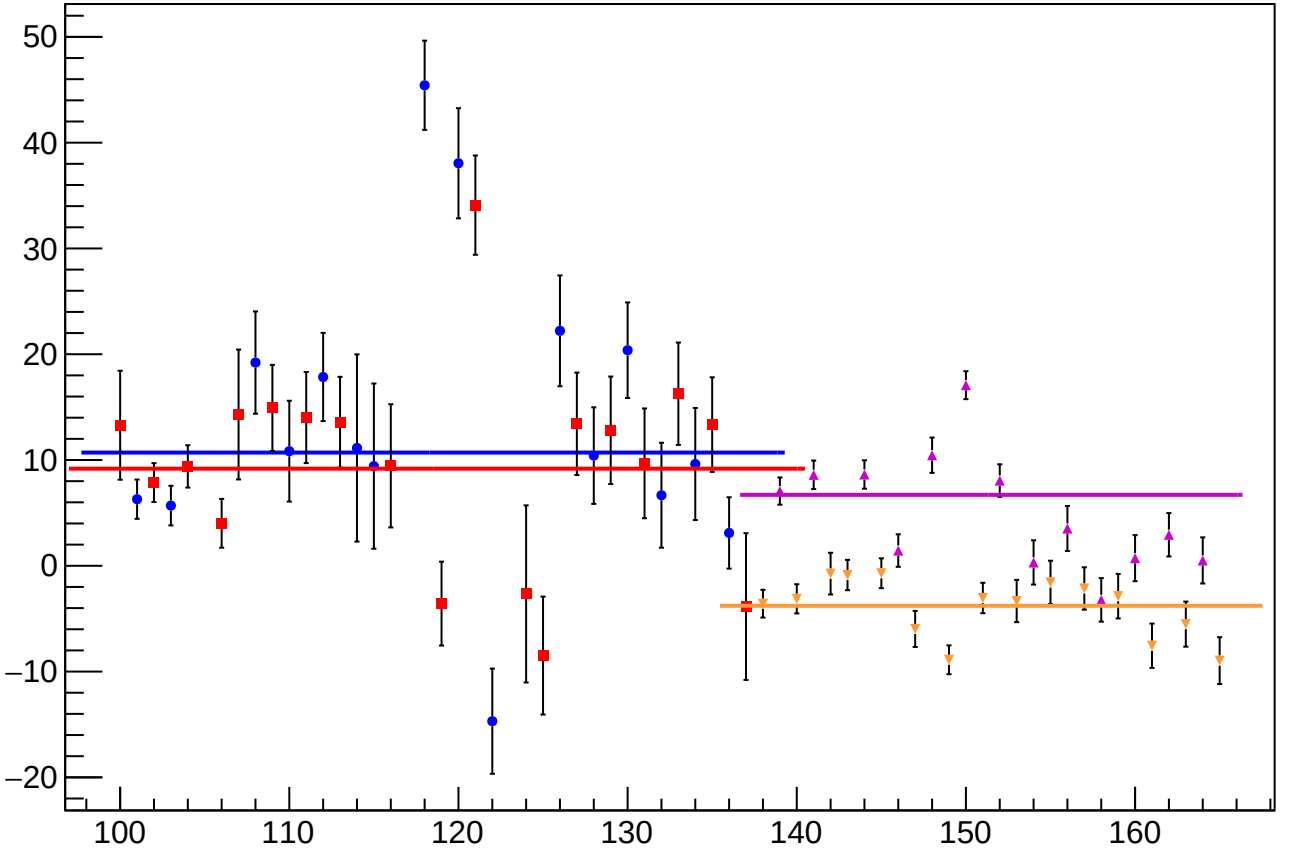
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 67798.183+/-11.327 χ^2/NDF:540230.7/28

Out: 67793.258+/-10.995 χ^2/NDF:571910.5/33

All: 67795.647+/-7.890 χ^2/NDF: 1112141.4/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.780+/-0.433 χ^2/NDF:38.9/14

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.707+/-0.455 χ^2/NDF:137.3/12

Left: 1.205+/-0.314 χ^2/NDF: 455.0/27

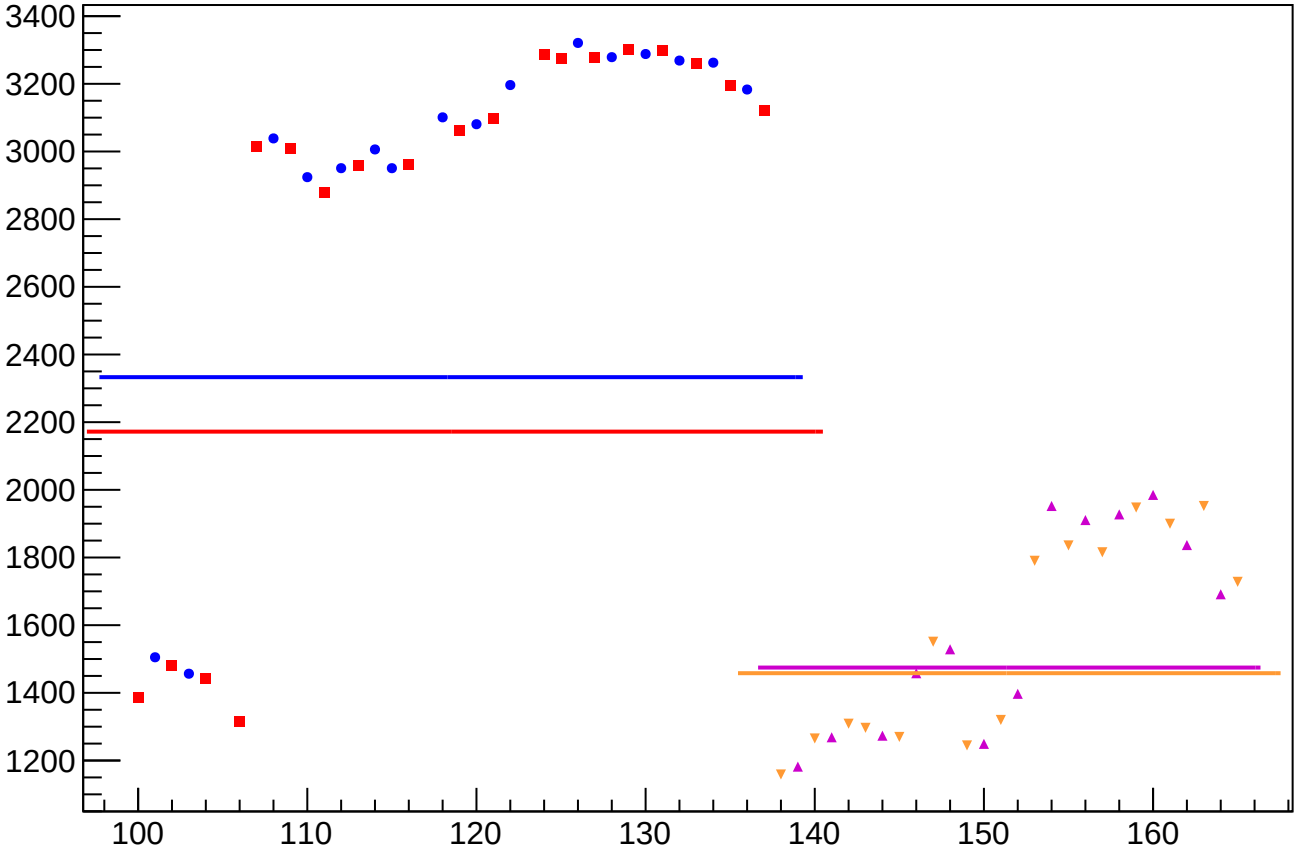
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.492+/-0.408 χ^2/NDF:308.0/28

Out: -1.110+/-0.386 χ^2/NDF:293.1/33

All: 2.953+/-0.280 χ^2/NDF: 835.8/62

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1458.076+/-0.306 χ^2/NDF:810230.6/14

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1474.708+/-0.322 χ^2/NDF:737761.7/12

Left: 1465.982+/-0.222 χ^2/NDF: 1549395.2/27

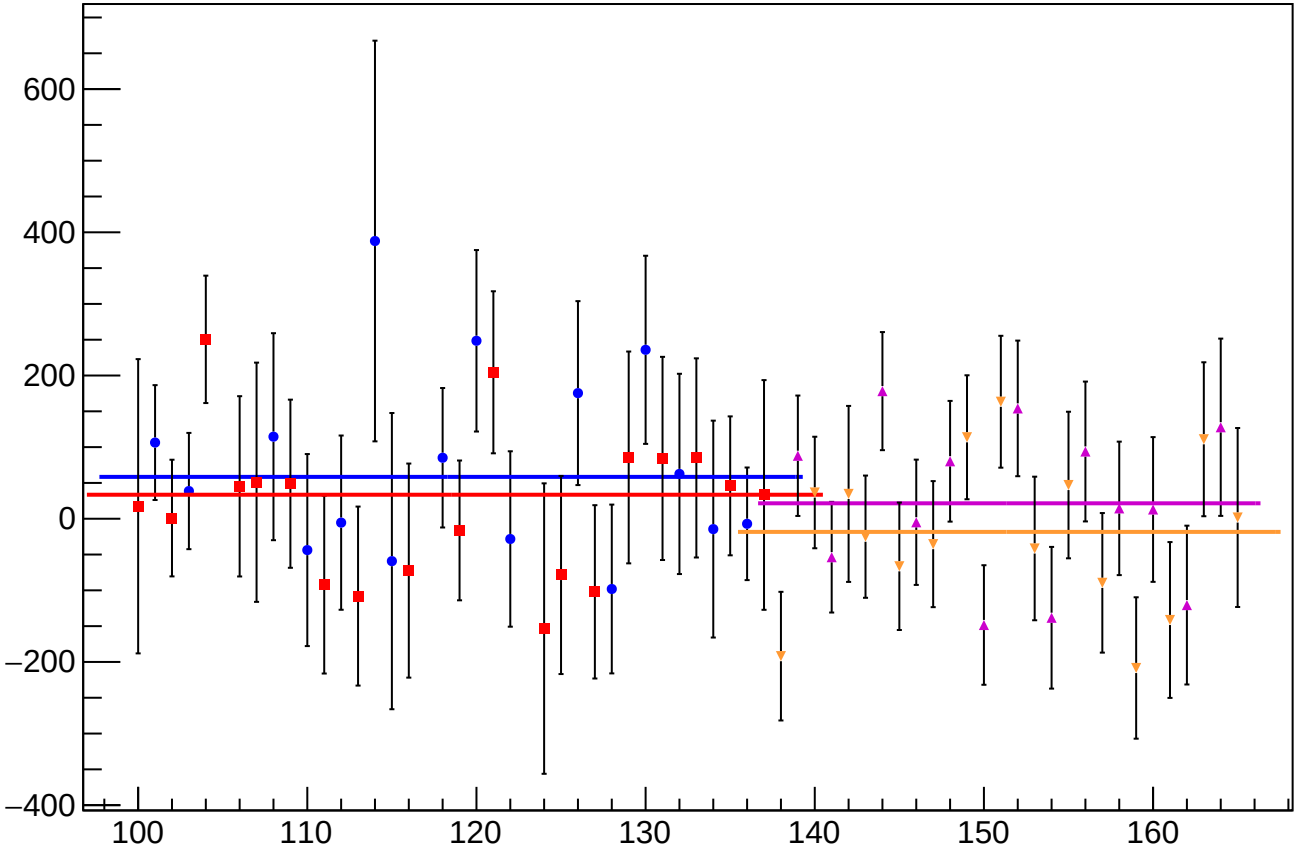
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1643.156+/-0.288 χ^2/NDF:3786647.7/28

Out: 1605.131+/-0.273 χ^2/NDF:3914502.0/33

All: 1623.091+/-0.198 χ^2/NDF: 7710325.1/62

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -18.376+/-24.717 χ^2/NDF:18.4/14

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 21.548+/-25.408 χ^2/NDF:17.4/12

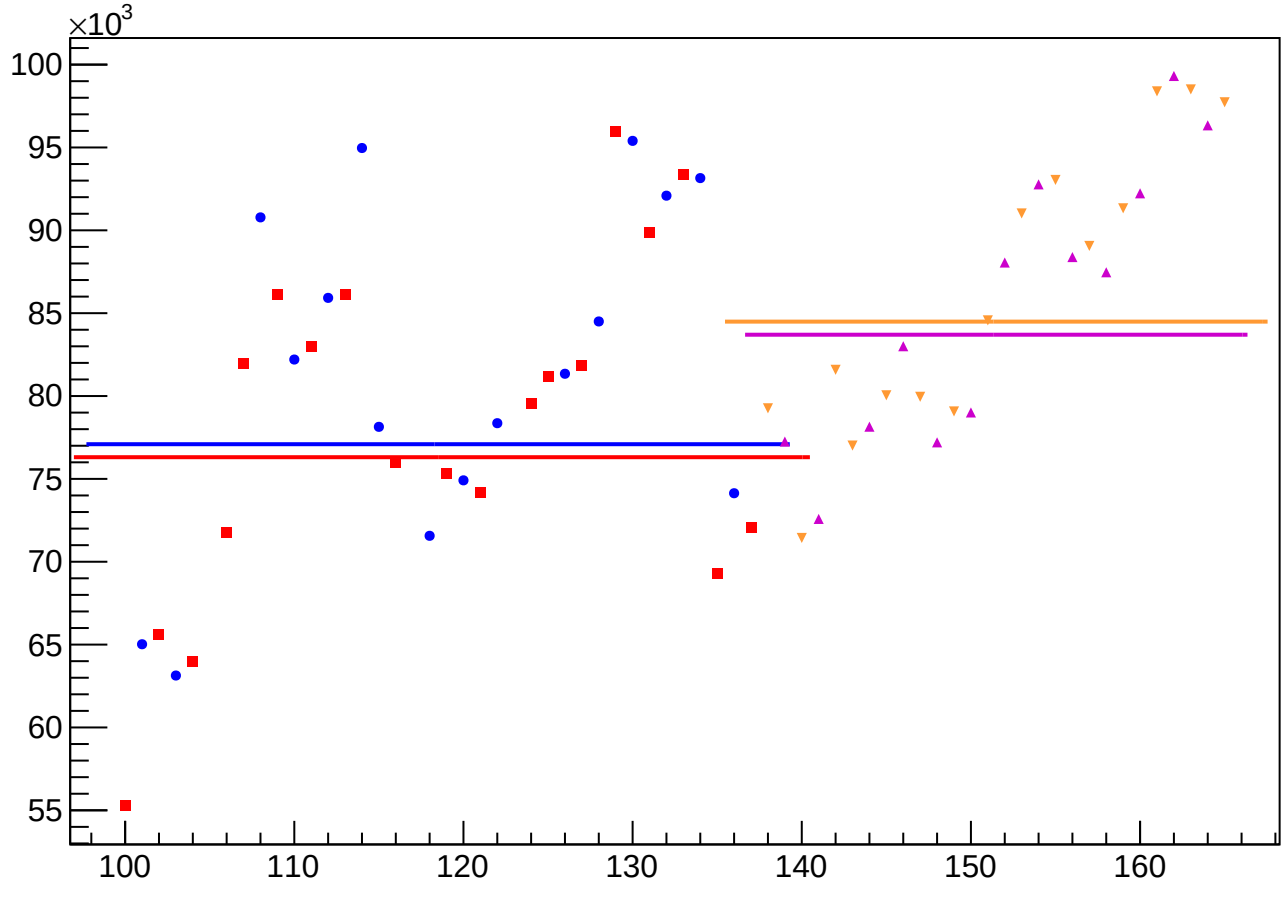
Left: 1.035+/-17.717 χ^2/NDF: 37.1/27

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 37.623+/-19.087 χ^2/NDF:29.6/28

Out: 4.256+/-18.560 χ^2/NDF:35.0/33

All: 20.473+/-13.307 χ^2/NDF: 66.2/62



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 84490.632+/-17.477 χ^2/NDF:223062.0/14

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 83700.114+/-17.966 χ^2/NDF:184186.2/12

Left: 84106.276+/-12.528 χ^2/NDF: 408242.9/27

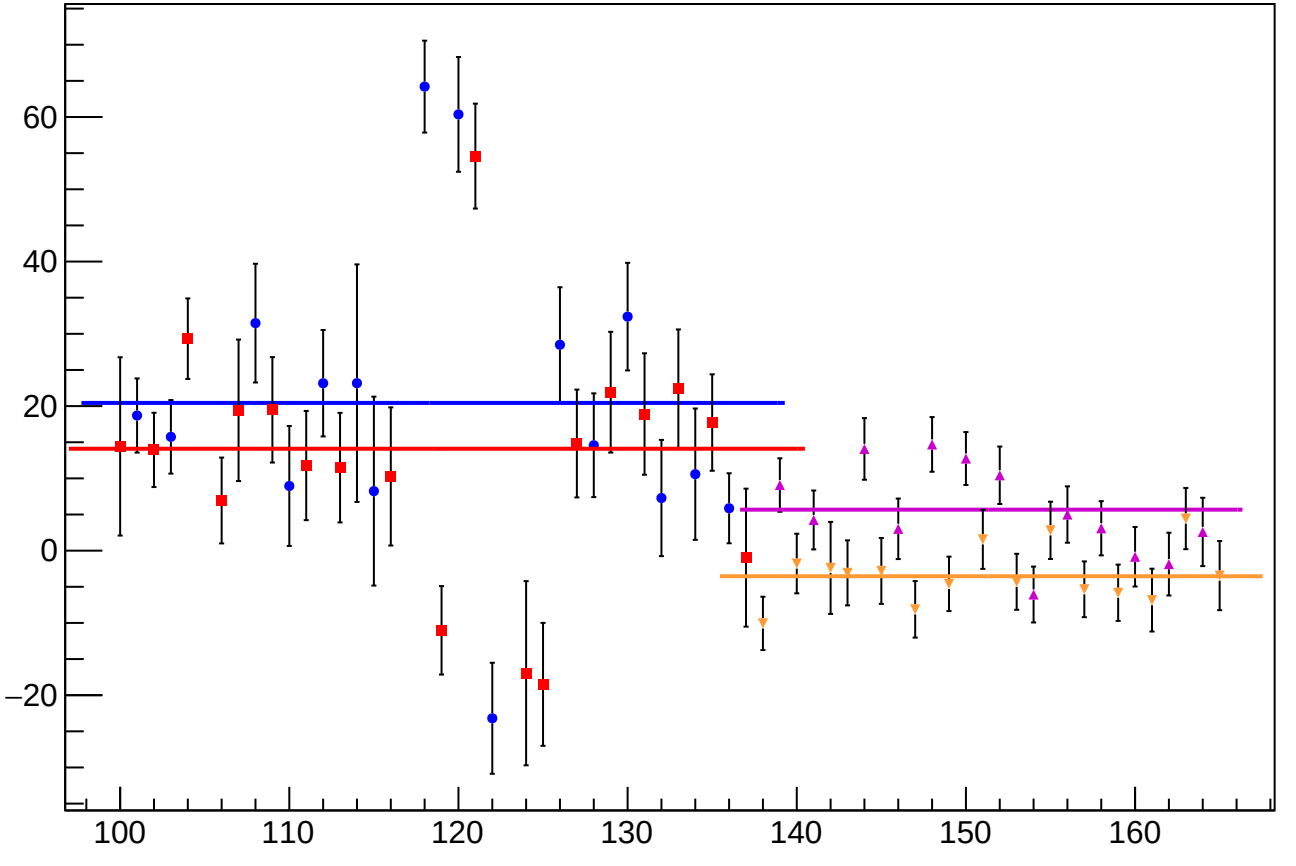
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 80821.666+/-13.497 χ^2/NDF:491647.0/28

Out: 80922.455+/-13.124 χ^2/NDF:553072.3/33

All: 80873.470+/-9.409 χ^2/NDF: 1044747.9/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.544+/-1.075 χ^2/NDF:13.7/14

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 5.672+/-1.109 χ^2/NDF:31.8/12

Left: 0.921+/-0.772 χ^2/NDF: 81.1/27

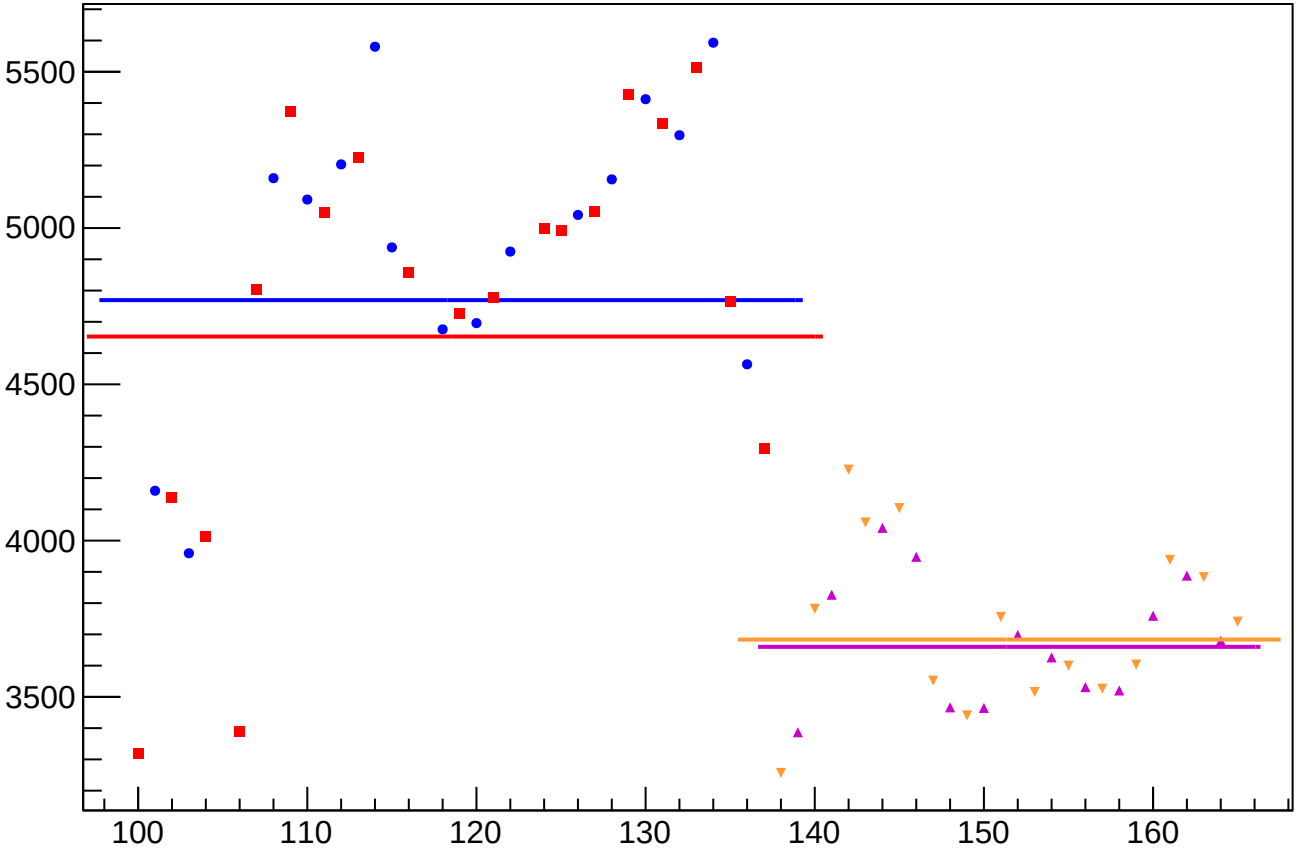
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 9.793+/-0.941 χ^2/NDF:209.1/28

Out: 1.437+/-0.910 χ^2/NDF:173.6/33

All: 5.476+/-0.654 χ^2/NDF: 423.4/62

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3683.397+/-0.760 χ^2/NDF:104946.8/14

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3660.077+/-0.784 χ^2/NDF:62625.5/12

Left: 3672.100+/-0.546 χ^2/NDF: 168028.5/27

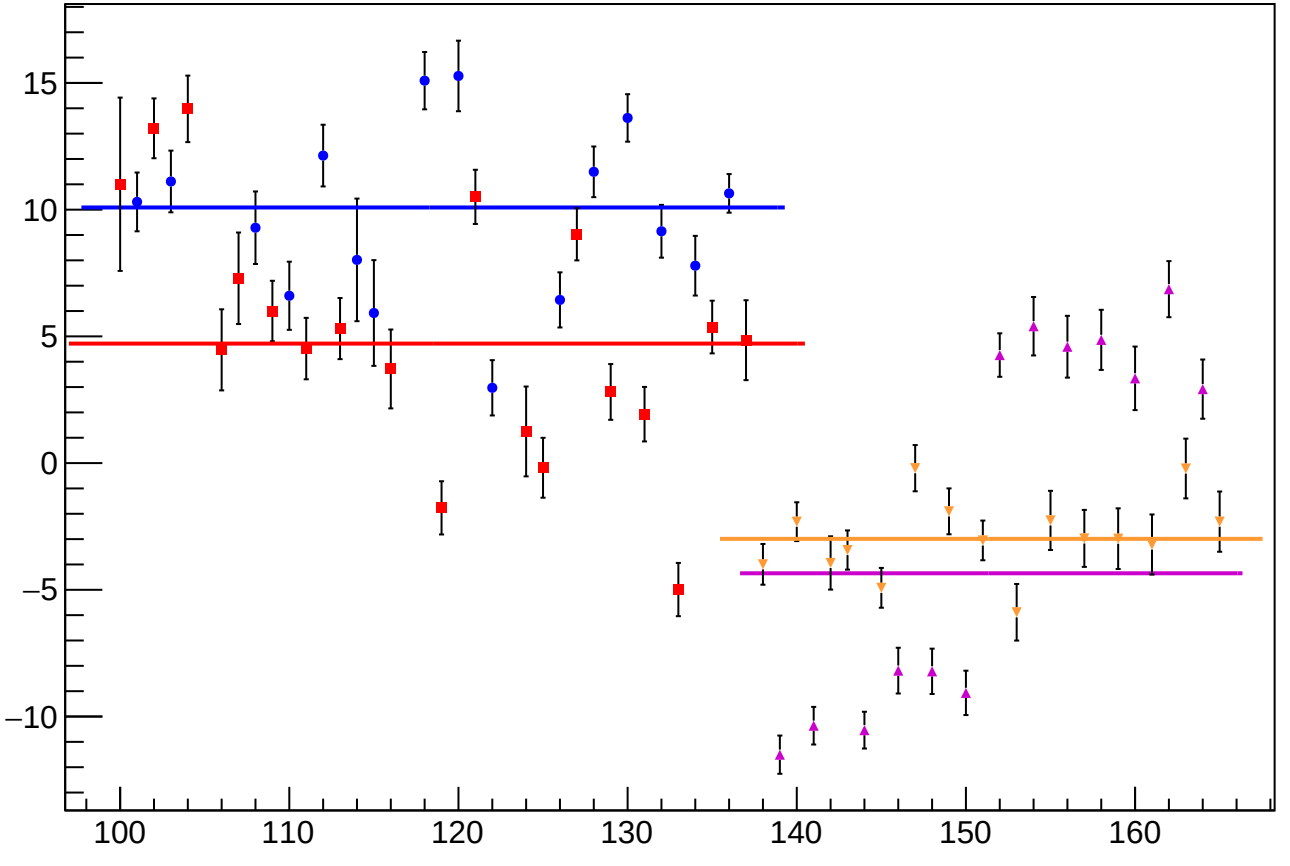
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3969.609+/-0.666 χ^2/NDF:773088.6/28

Out: 3957.063+/-0.644 χ^2/NDF:829583.6/33

All: 3963.127+/-0.463 χ^2/NDF: 1602855.8/62

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.989+/-0.245 χ^2/NDF:33.4/14

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -4.348+/-0.259 χ^2/NDF:759.5/12

Left: -3.631+/-0.178 χ^2/NDF: 807.4/27

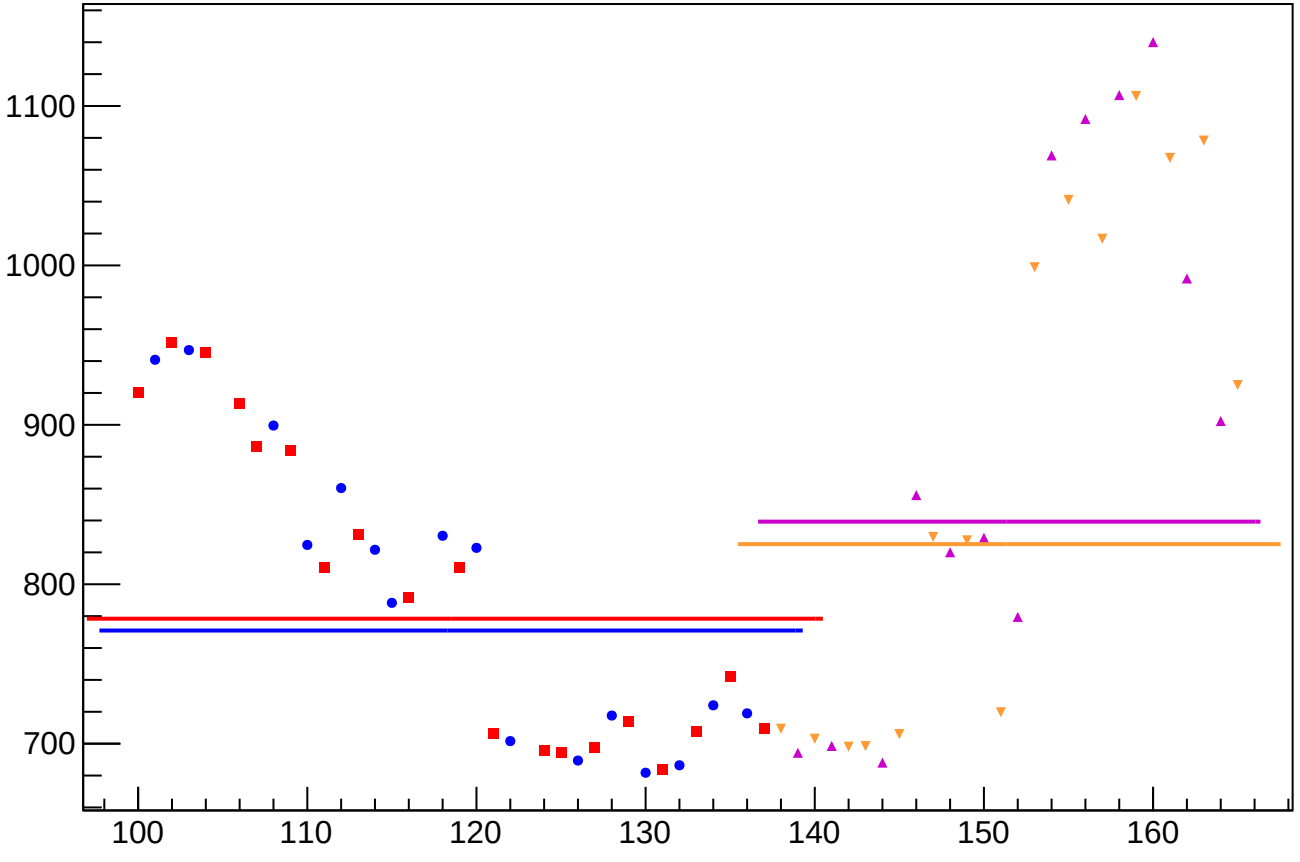
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.090+/-0.193 χ^2/NDF:2271.3/28

Out: 0.274+/-0.186 χ^2/NDF:762.6/33

All: 1.150+/-0.134 χ^2/NDF: 3080.0/62

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 825.170+/-0.173 χ^2/NDF:732844.1/14

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 839.275+/-0.183 χ^2/NDF:670144.5/12

Left: 831.836+/-0.126 χ^2/NDF: 1406122.7/27

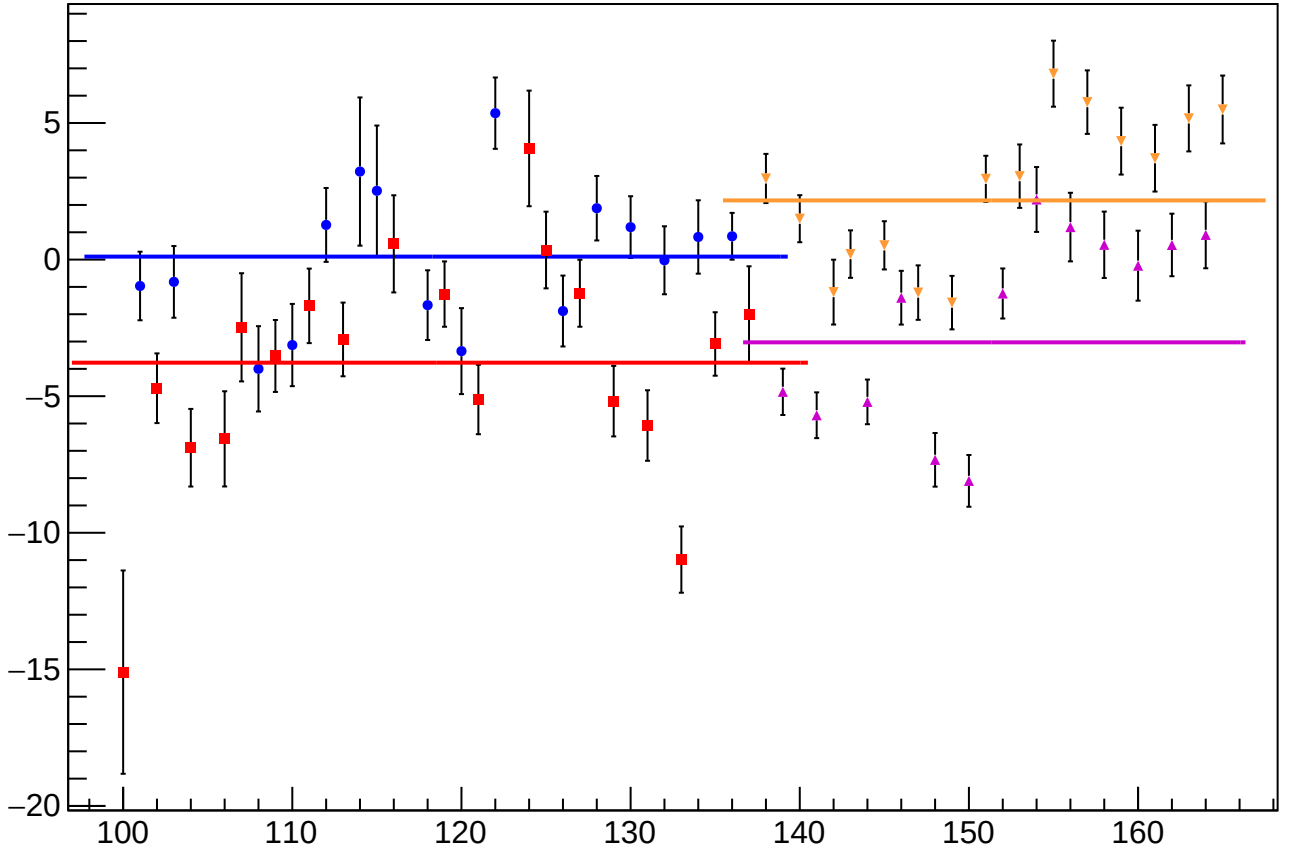
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.810+/-0.136 χ^2/NDF:925209.2/28

Out: 805.359+/-0.132 χ^2/NDF:960280.7/33

All: 807.024+/-0.095 χ^2/NDF: 1885822.2/62

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.166+/-0.265 χ^2/NDF:87.9/14

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -3.029+/-0.280 χ^2/NDF:140.4/12

Left: -0.292+/-0.193 χ^2/NDF: 409.6/27

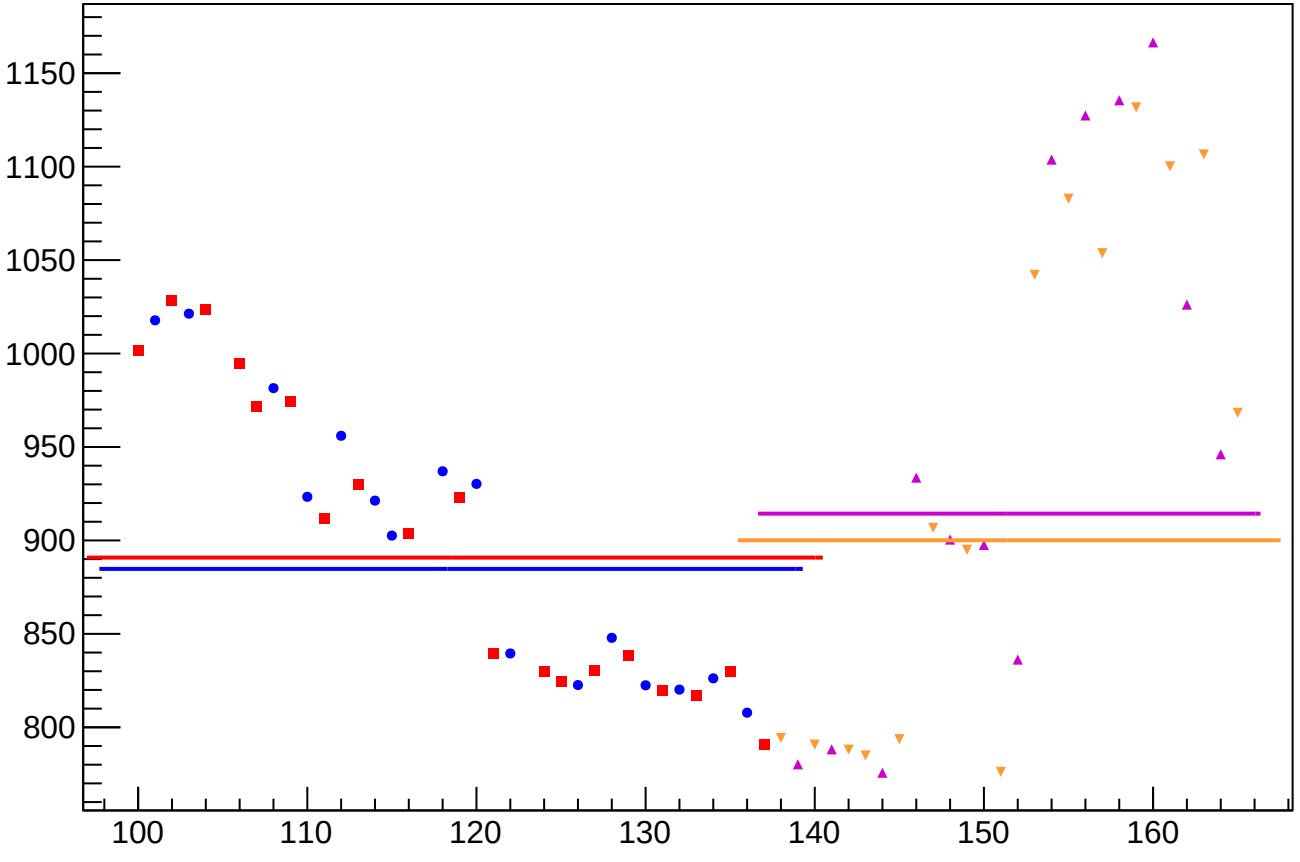
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.715+/-0.214 χ^2/NDF:238.3/28

Out: -0.201+/-0.206 χ^2/NDF:387.1/33

All: -0.931+/-0.148 χ^2/NDF: 651.4/62

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 900.065+/-0.188 χ^2/NDF:485489.0/14

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 914.327+/-0.198 χ^2/NDF:441851.2/12

Left: 906.814+/-0.136 χ^2/NDF: 930072.2/27

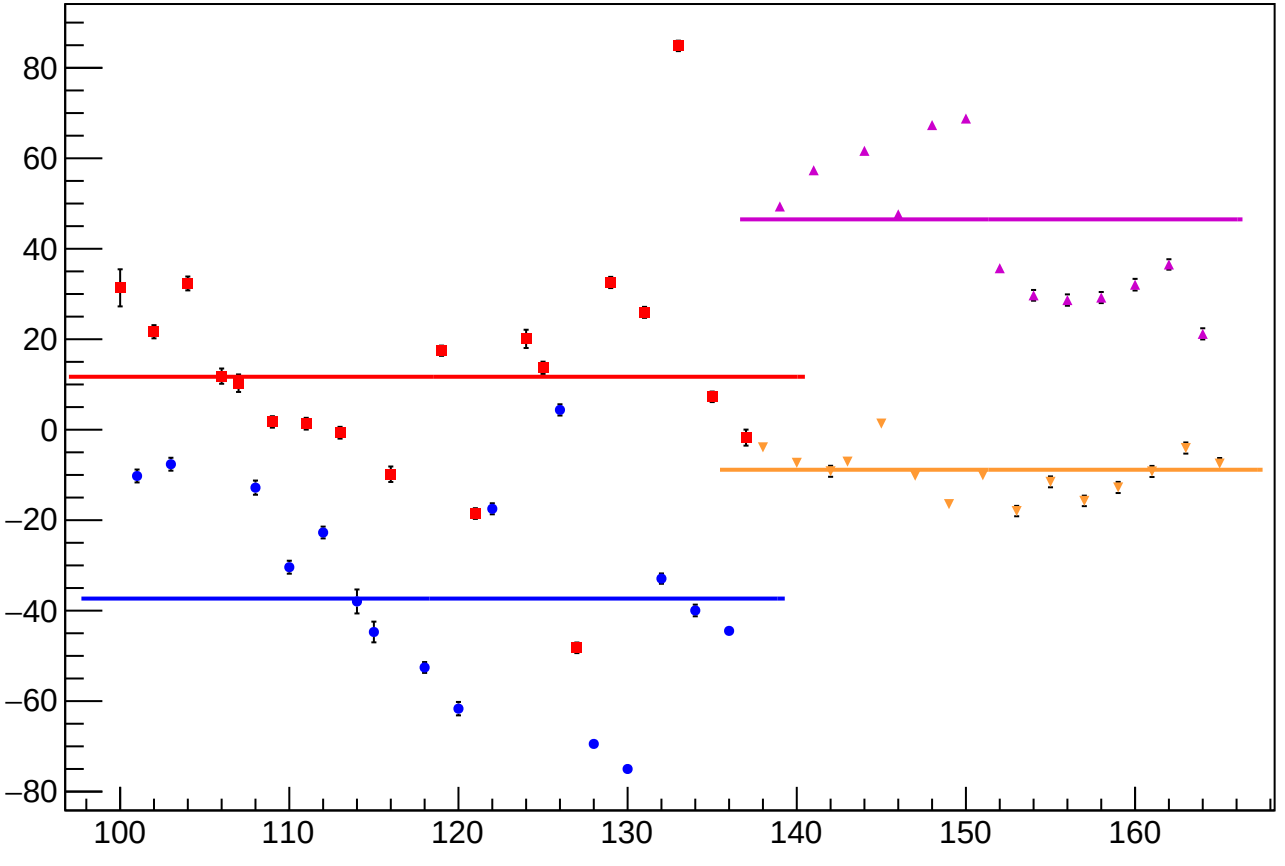
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 901.948+/-0.151 χ^2/NDF:555673.0/28

Out: 896.378+/-0.146 χ^2/NDF:594220.6/33

All: 899.062+/-0.105 χ^2/NDF: 1150599.0/62

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.851+/-0.269 χ^2/NDF:349.8/14

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 46.499+/-0.286 χ^2/NDF:2722.9/12

Left: 17.172+/-0.196 χ^2/NDF: 22924.9/27

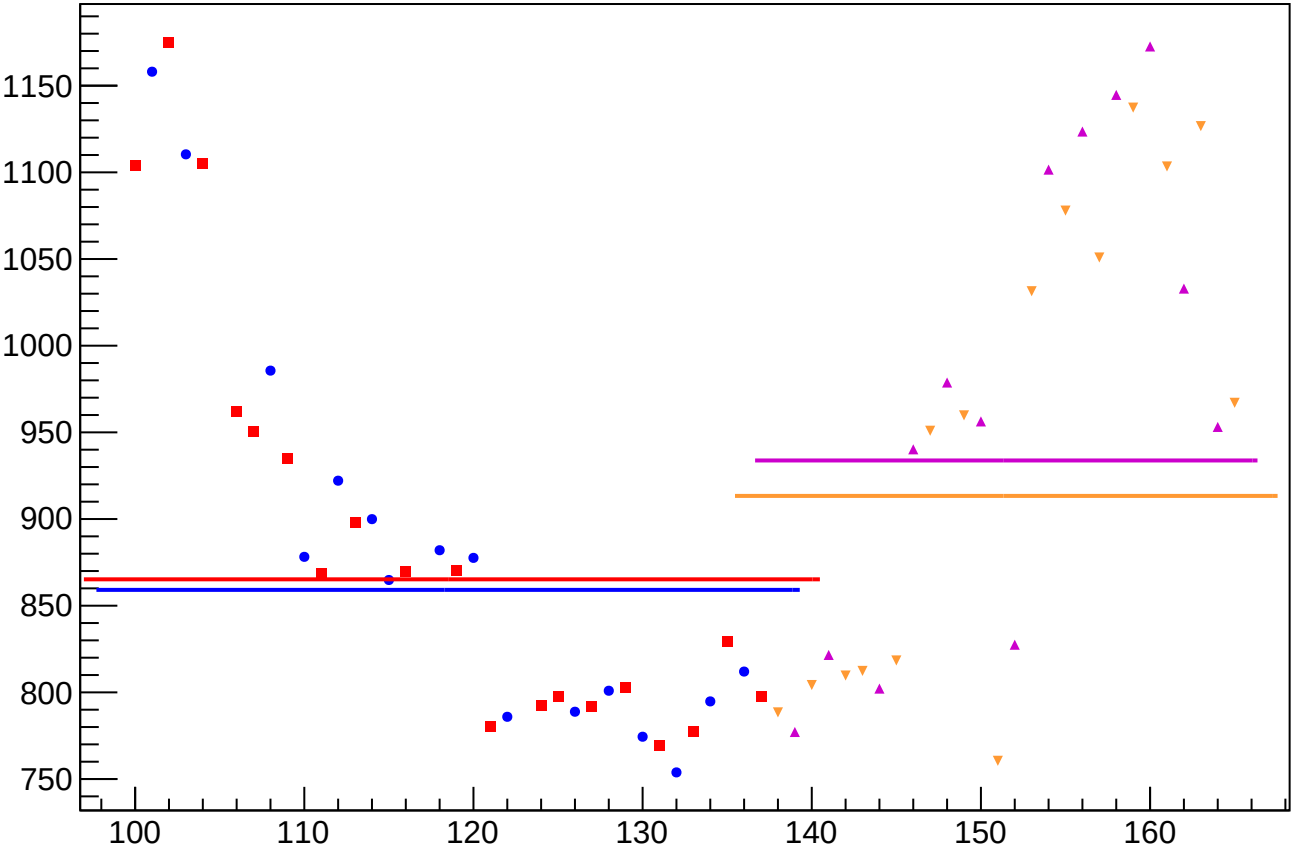
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.504+/-0.214 χ^2/NDF:45835.9/28

Out: -0.260+/-0.206 χ^2/NDF:11247.4/33

All: 4.430+/-0.148 χ^2/NDF: 58167.7/62

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 913.337+/-0.190 χ^2/NDF:471125.3/14

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 933.783+/-0.202 χ^2/NDF:411411.3/12

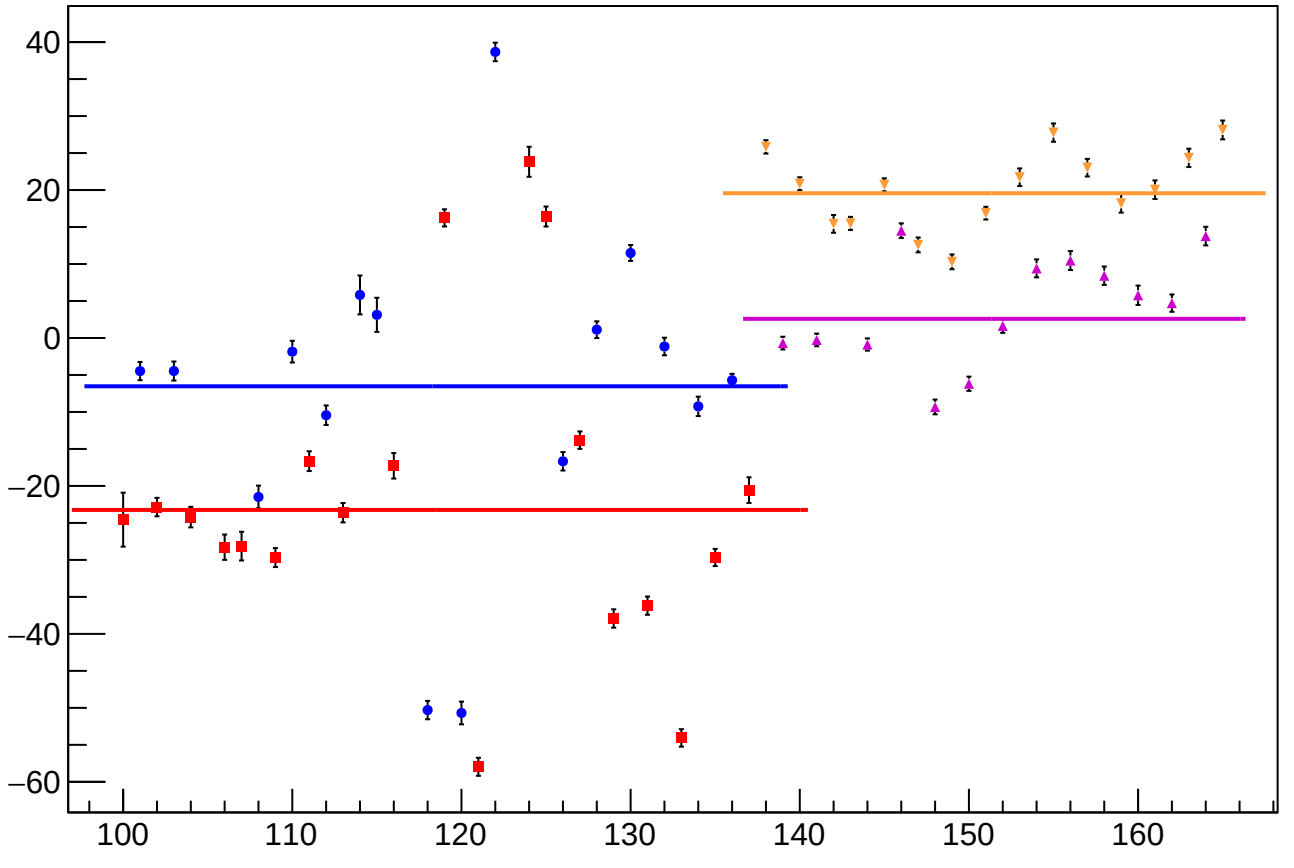
Left: 922.950+/-0.139 χ^2/NDF: 887954.1/27

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

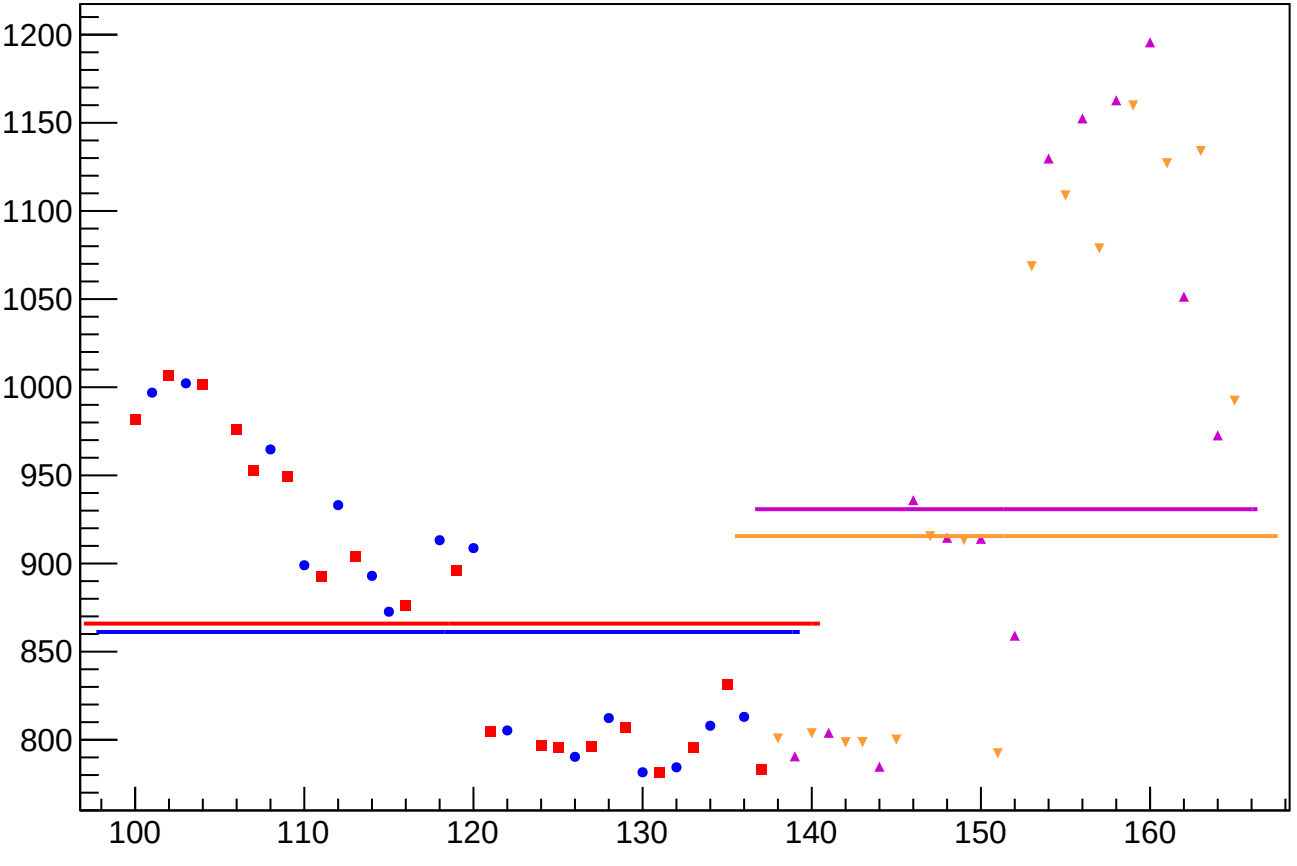
In: 900.835+/-0.151 χ^2/NDF:700285.6/28

Out: 893.226+/-0.145 χ^2/NDF:721471.6/33

All: 896.882+/-0.105 χ^2/NDF: 1423074.3/62


diff_bpm2i02Y_mean vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: -6.529+/-0.321 χ²/NDF: 3946.1/15
Left Out: 19.567+/-0.270 χ²/NDF:345.8/14
Right Out: -23.244+/-0.317 χ²/NDF: 4470.0/18
Left In: 2.590+/-0.285 χ²/NDF:595.4/12
Left: 11.538+/-0.196 χ²/NDF: 2808.7/27
Right: -14.995+/-0.226 χ²/NDF: 9787.9/34
In: -1.430+/-0.213 χ²/NDF:4992.1/28
Out: 1.556+/-0.206 χ²/NDF:15379.5/33
All: 0.117+/-0.148 χ²/NDF: 20473.2/62

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 915.564+/-0.191 χ^2/NDF:515265.1/14

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 930.817+/-0.202 χ^2/NDF:460066.0/12

Left: 922.778+/-0.139 χ^2/NDF: 978345.7/27

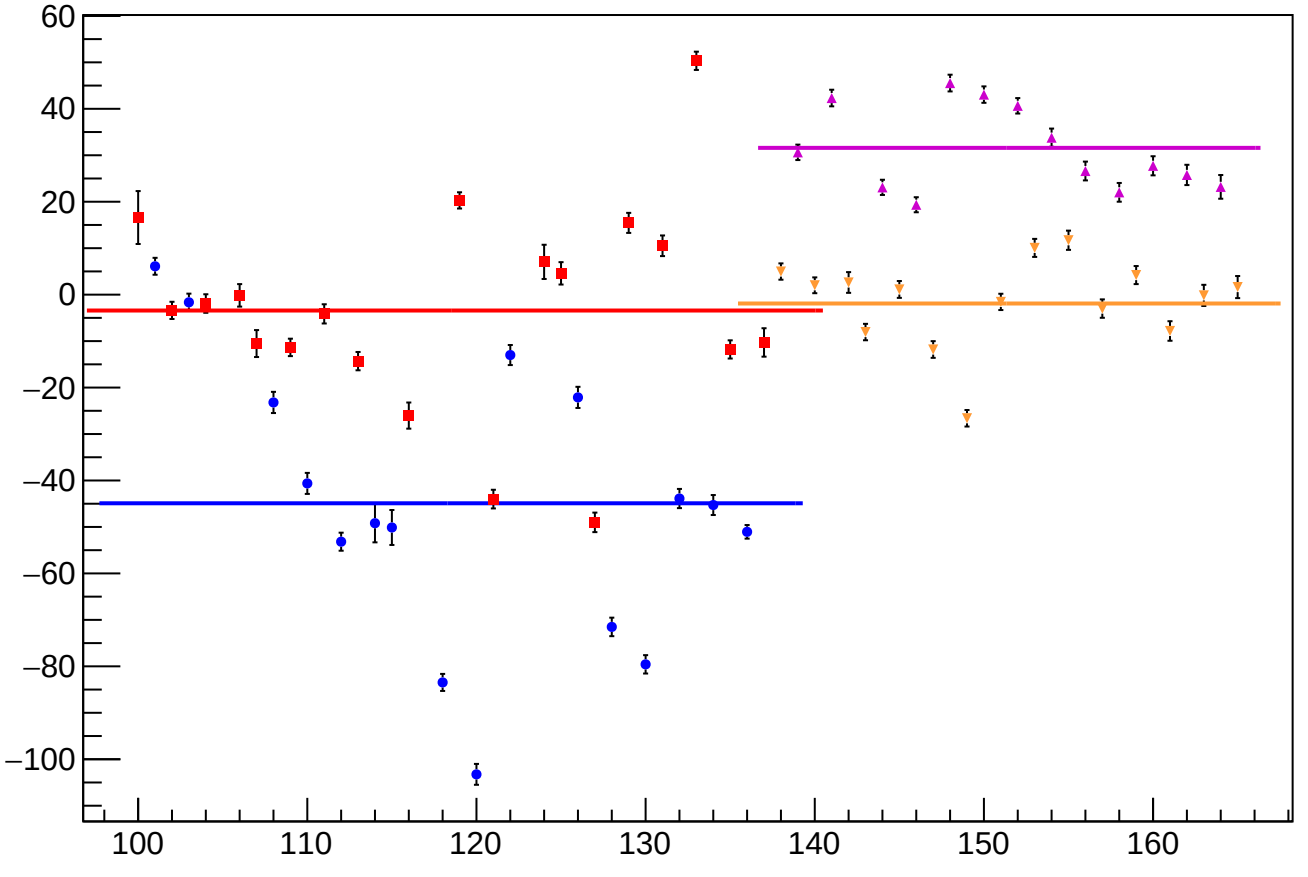
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 900.111+/-0.151 χ^2/NDF:626176.0/28

Out: 894.673+/-0.145 χ^2/NDF:662109.2/33

All: 897.293+/-0.105 χ^2/NDF: 1288959.1/62

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.907+/-0.496 χ^2/NDF:365.4/14

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 31.593+/-0.515 χ^2/NDF:303.5/12

Left: 14.221+/-0.357 χ^2/NDF: 2863.5/27

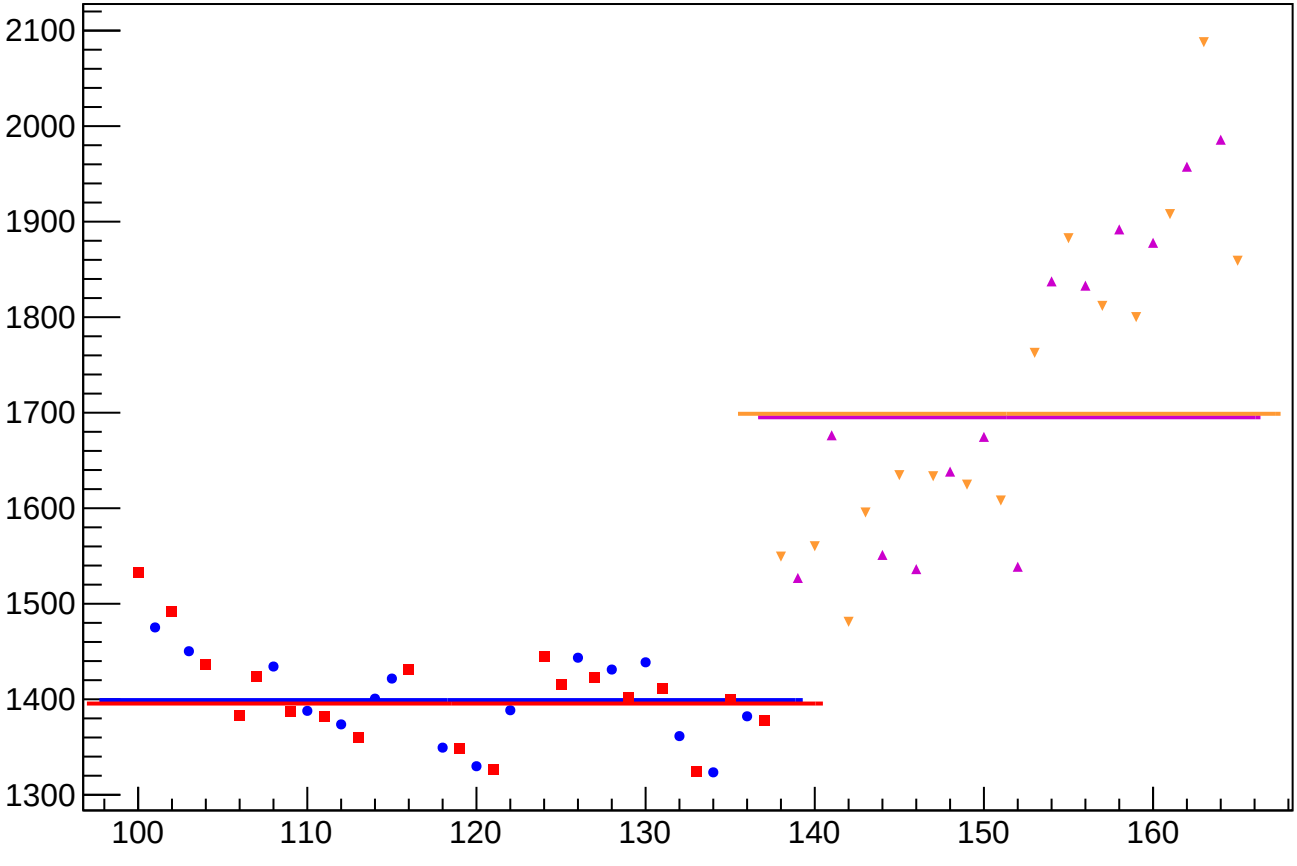
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -6.290+/-0.366 χ^2/NDF:14609.7/28

Out: -2.642+/-0.355 χ^2/NDF:2472.0/33

All: -4.413+/-0.255 χ^2/NDF: 17132.9/62

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1698.870+/-0.351 χ^2/NDF:184879.7/14

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1695.214+/-0.364 χ^2/NDF:184885.1/12

Left: 1697.110+/-0.253 χ^2/NDF: 369817.1/27

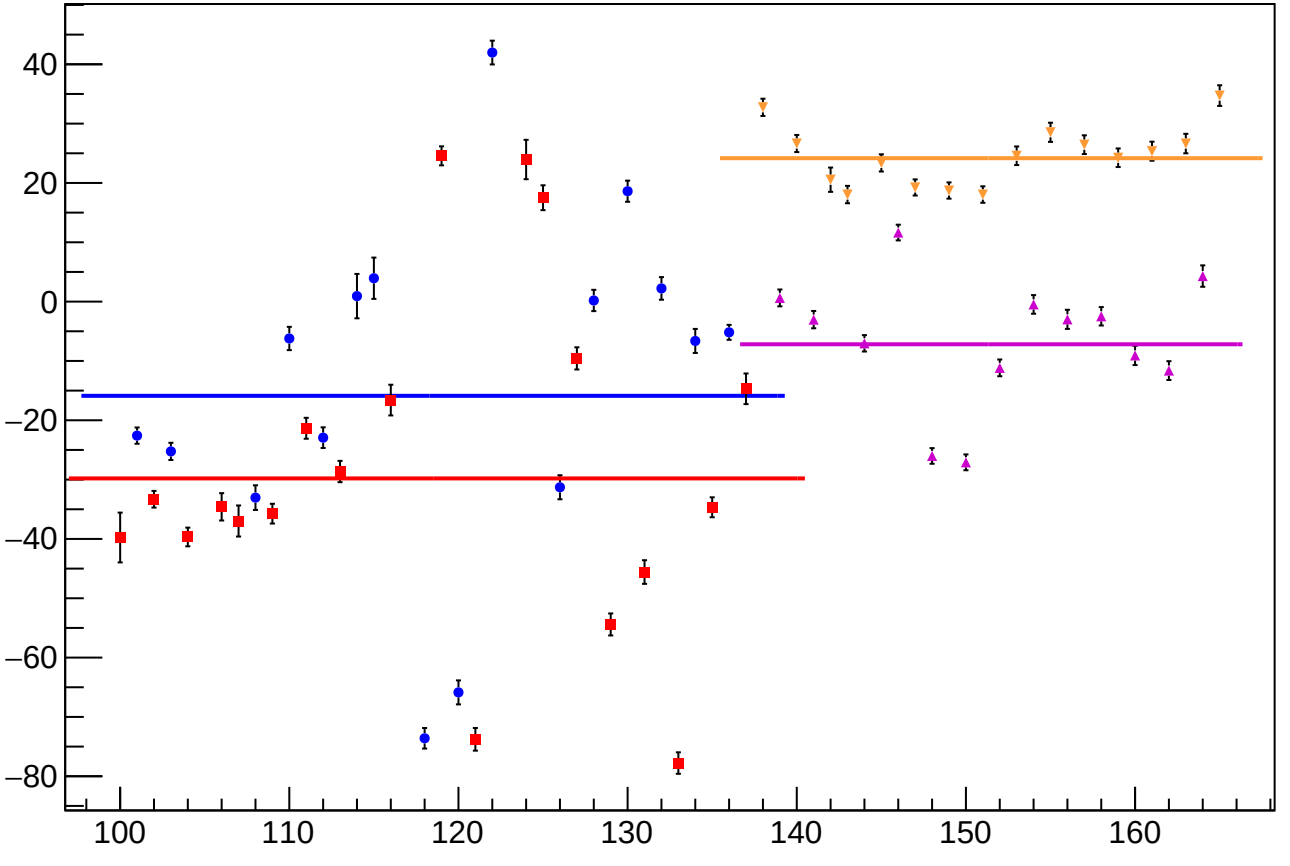
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1548.607+/-0.259 χ^2/NDF:527068.9/28

Out: 1551.125+/-0.251 χ^2/NDF:565191.4/33

All: 1549.902+/-0.180 χ^2/NDF: 1092309.1/62

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 24.172+/-0.395 χ^2/NDF:156.2/14

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -7.192+/-0.409 χ^2/NDF:758.5/12

Left: 9.033+/-0.284 χ^2/NDF: 3963.9/27

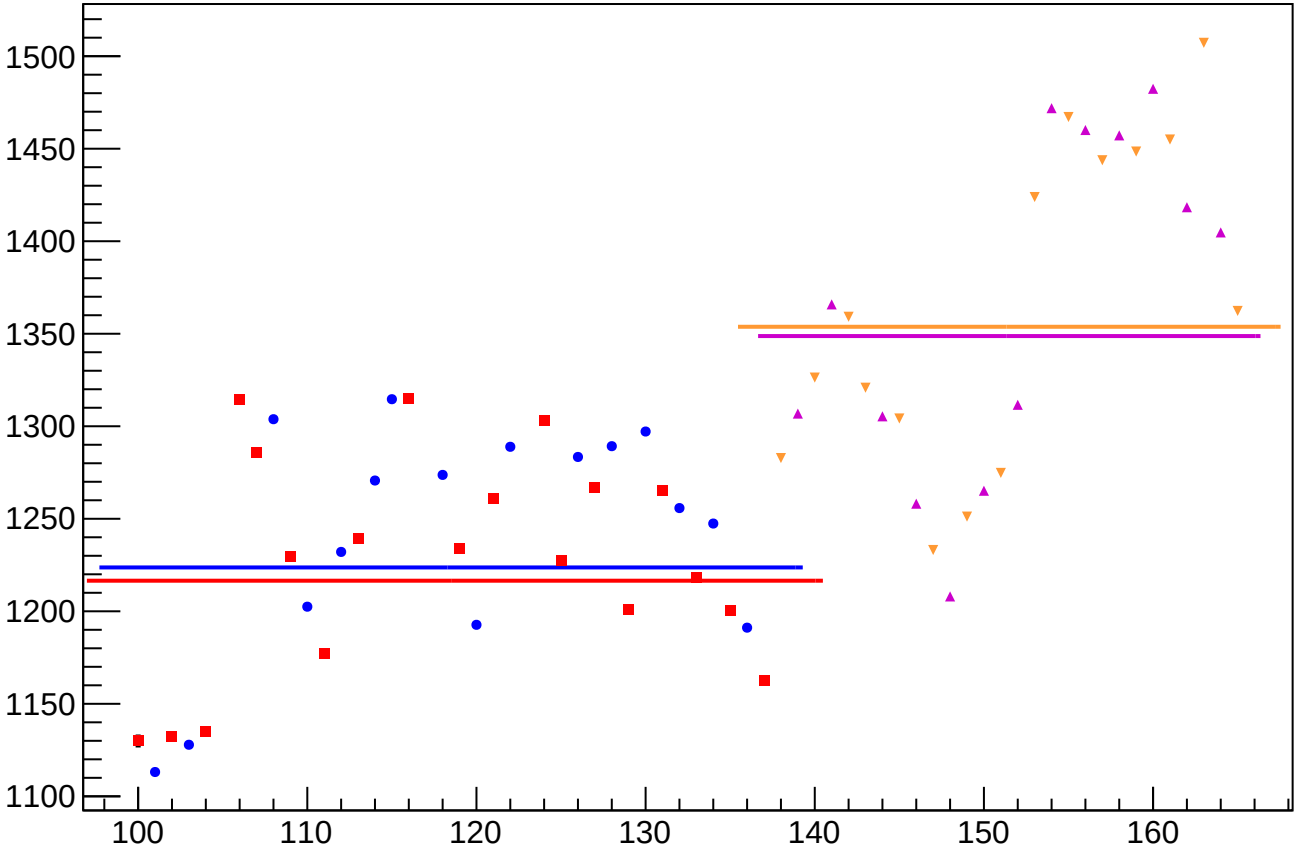
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.067+/-0.304 χ^2/NDF:4437.9/28

Out: 0.374+/-0.295 χ^2/NDF:12085.6/33

All: -5.175+/-0.212 χ^2/NDF: 17252.7/62

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.770+/-0.279 χ^2/NDF:95579.8/14

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.748+/-0.289 χ^2/NDF:96367.6/12

Left: 1351.346+/-0.201 χ^2/NDF: 192103.7/27

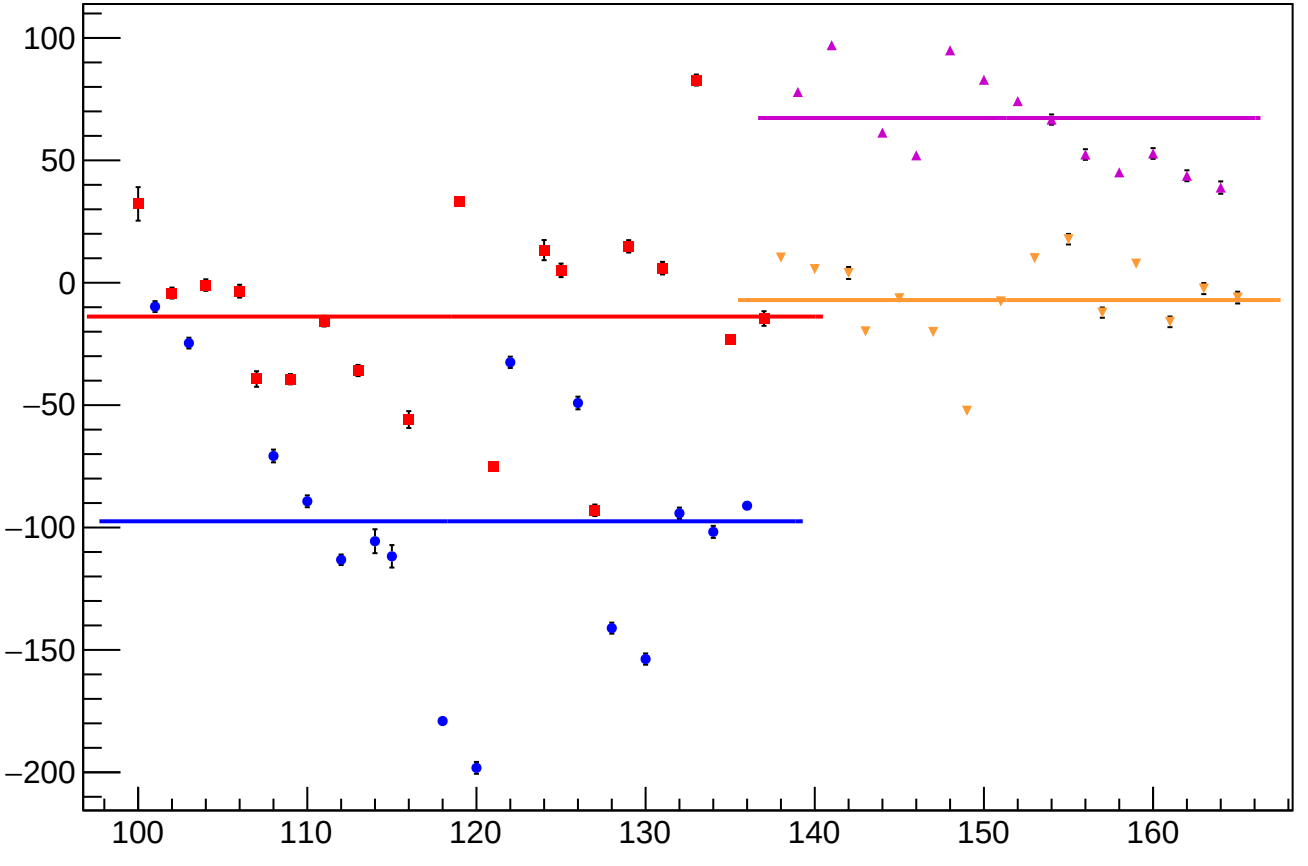
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1292.968+/-0.215 χ^2/NDF:220837.4/28

Out: 1293.259+/-0.209 χ^2/NDF:231614.8/33

All: 1293.118+/-0.150 χ^2/NDF: 452453.1/62

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.074+/-0.510 χ^2/NDF:1189.5/14

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 67.305+/-0.531 χ^2/NDF:1190.9/12

Left: 28.614+/-0.368 χ^2/NDF: 12582.2/27

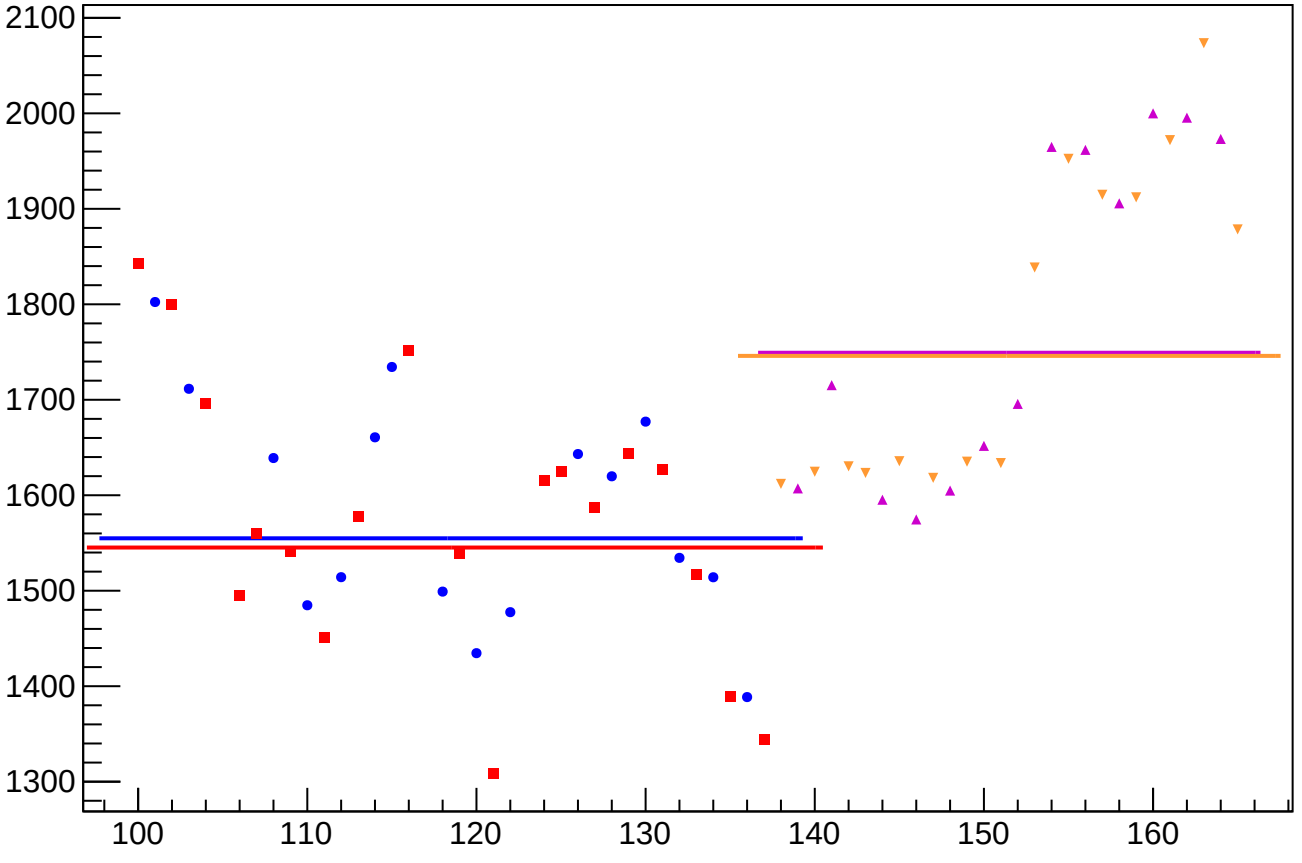
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -7.922+/-0.392 χ^2/NDF:53429.8/28

Out: -10.098+/-0.379 χ^2/NDF:6620.0/33

All: -9.046+/-0.272 χ^2/NDF: 60065.8/62

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1745.969+/-0.361 χ^2/NDF:185495.4/14

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1749.253+/-0.376 χ^2/NDF:192938.4/12

Left: 1747.544+/-0.260 χ^2/NDF: 378473.6/27

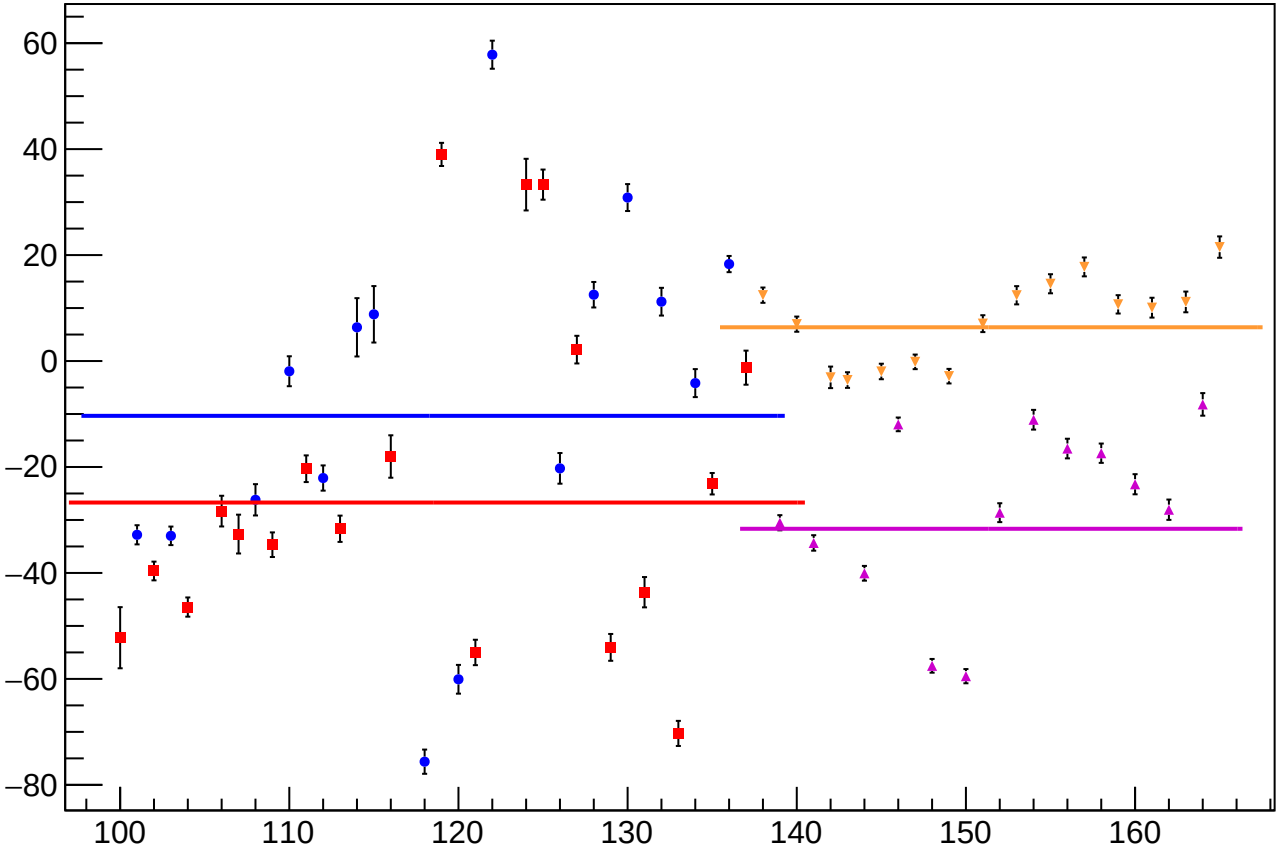
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1660.518+/-0.277 χ^2/NDF:403126.7/28

Out: 1655.947+/-0.268 χ^2/NDF:433182.5/33

All: 1658.157+/-0.193 χ^2/NDF: 836450.0/62

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 6.373+/-0.420 χ^2/NDF:331.4/14

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -31.664+/-0.439 χ^2/NDF:1497.0/12

Left: -11.788+/-0.304 χ^2/NDF: 5745.7/27

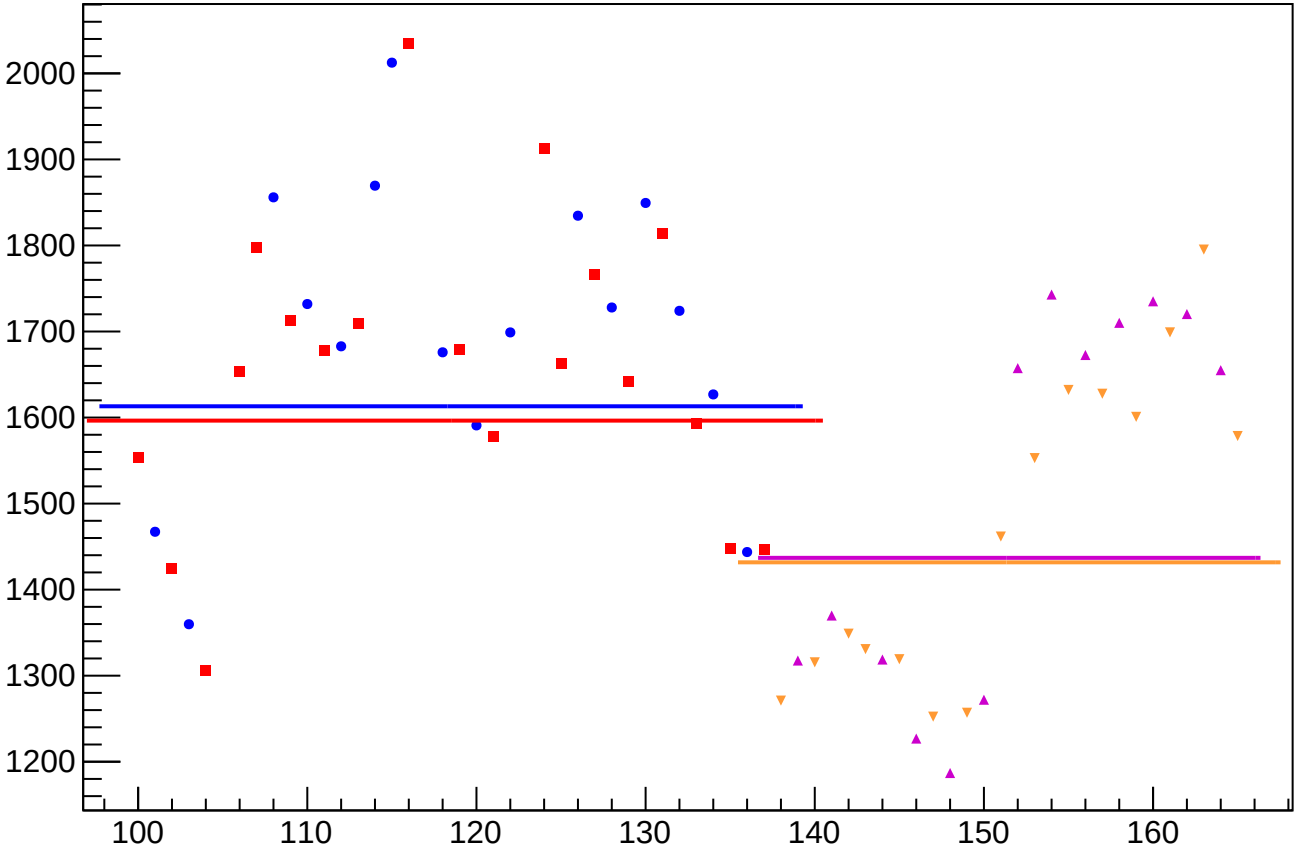
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.274+/-0.355 χ^2/NDF:5320.4/28

Out: -4.843+/-0.341 χ^2/NDF:4976.2/33

All: -14.177+/-0.246 χ^2/NDF: 11852.5/62

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1431.733+/-0.297 χ^2/NDF:327658.7/14

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1436.948+/-0.311 χ^2/NDF:465424.6/12

Left: 1434.223+/-0.215 χ^2/NDF: 793230.5/27

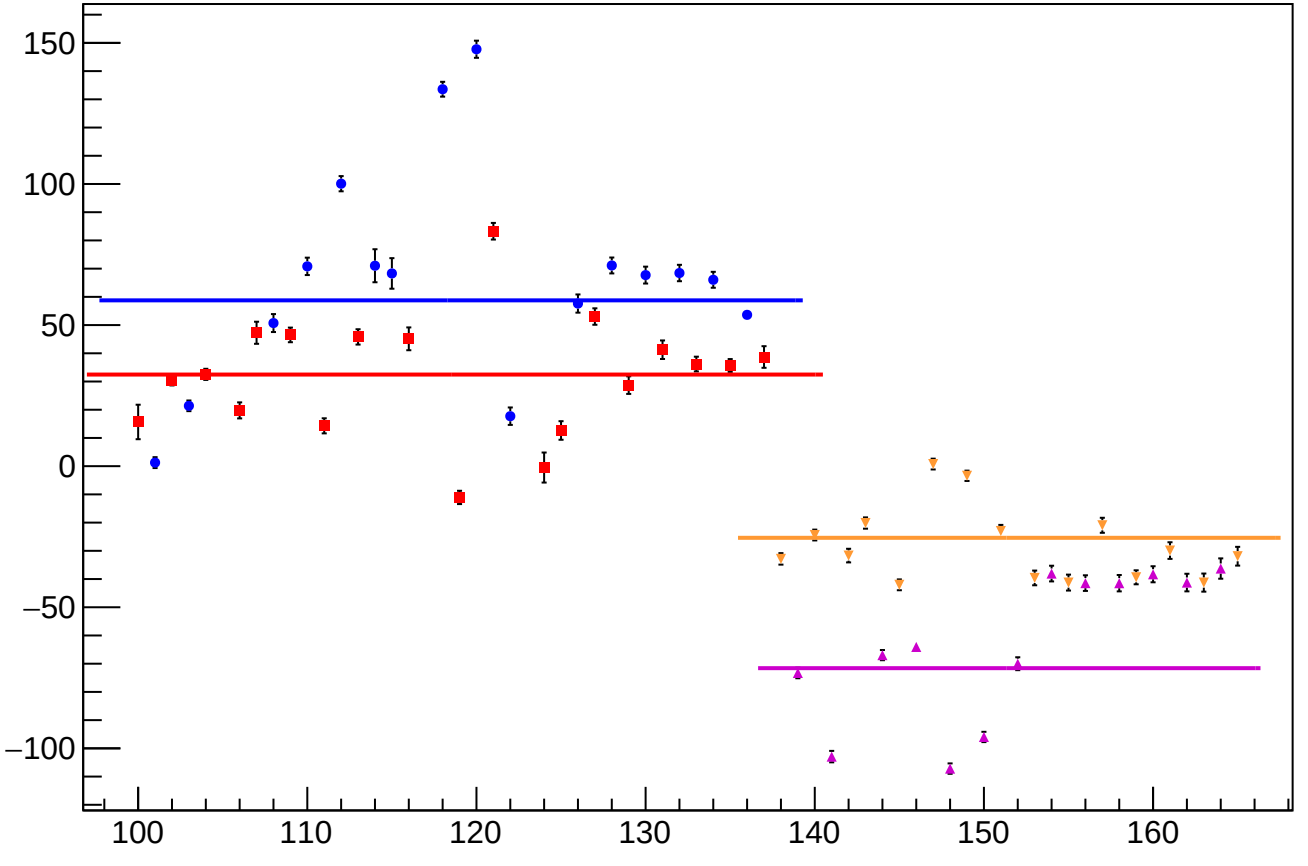
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1498.007+/-0.251 χ^2/NDF:731590.3/28

Out: 1487.573+/-0.241 χ^2/NDF:592683.5/33

All: 1492.585+/-0.174 χ^2/NDF: 1325171.1/62

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -25.388+/-0.591 χ^2/NDF:560.8/14

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -71.584+/-0.618 χ^2/NDF:1515.8/12

Left: -47.441+/-0.427 χ^2/NDF: 4998.0/27

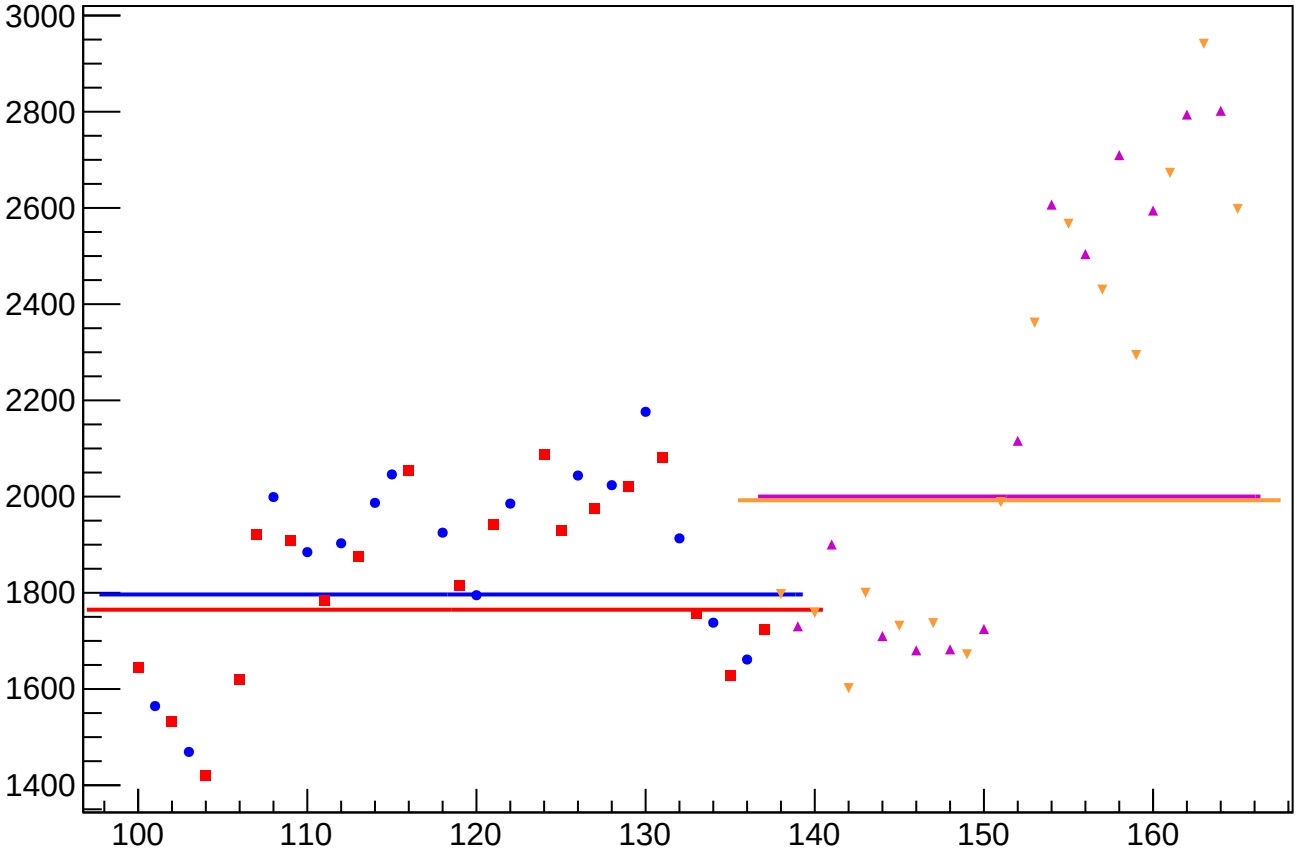
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -11.914+/-0.455 χ^2/NDF:25331.3/28

Out: 0.842+/-0.437 χ^2/NDF:5843.0/33

All: -5.273+/-0.315 χ^2/NDF: 31583.5/62

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1992.398+/-0.418 χ^2/NDF:807042.0/14

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2000.115+/-0.437 χ^2/NDF:870116.1/12

Left: 1996.082+/-0.302 χ^2/NDF: 1677321.2/27

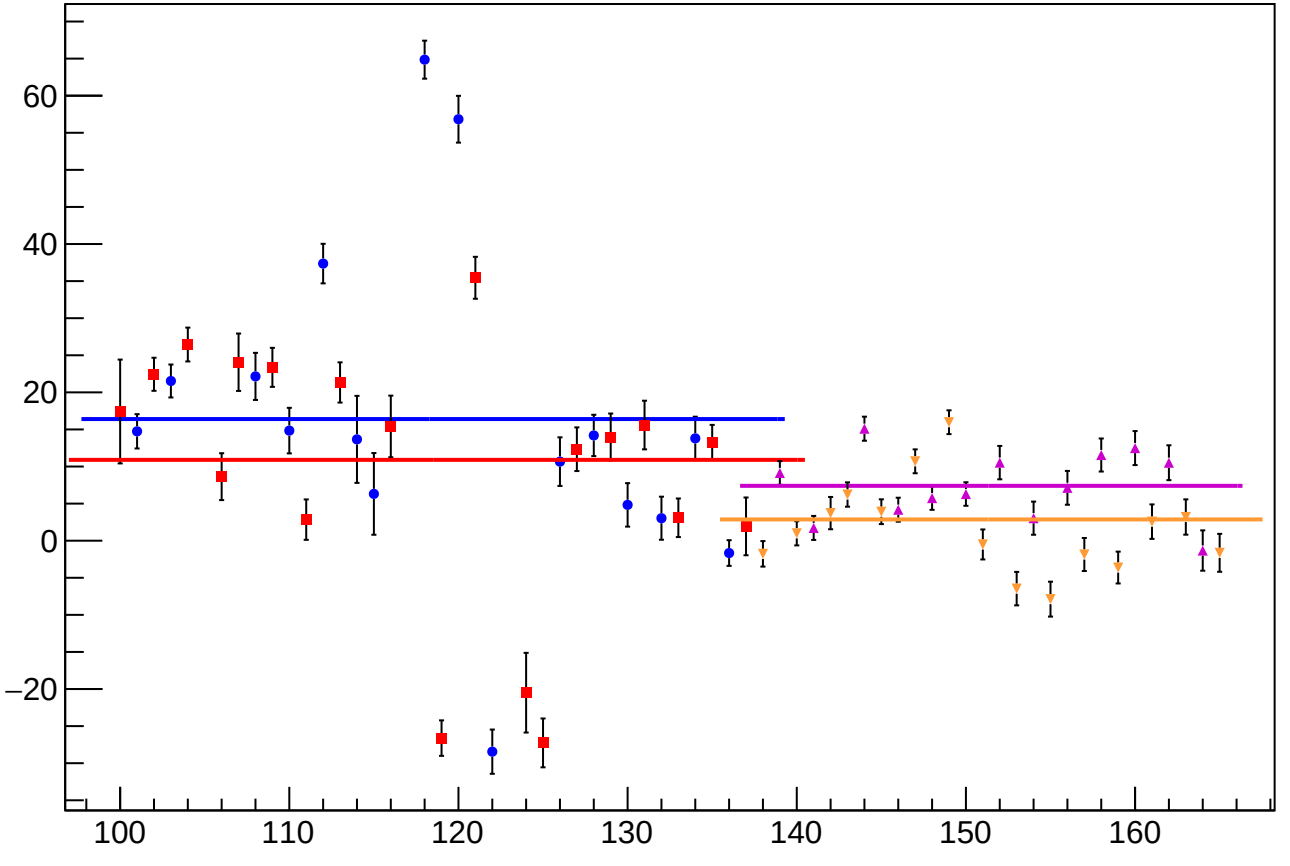
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1906.928+/-0.322 χ^2/NDF:1162660.0/28

Out: 1889.240+/-0.309 χ^2/NDF:1131645.5/33

All: 1897.720+/-0.223 χ^2/NDF: 2295879.2/62

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.865+/-0.501 χ^2/NDF:161.2/14

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.397+/-0.525 χ^2/NDF:67.8/12

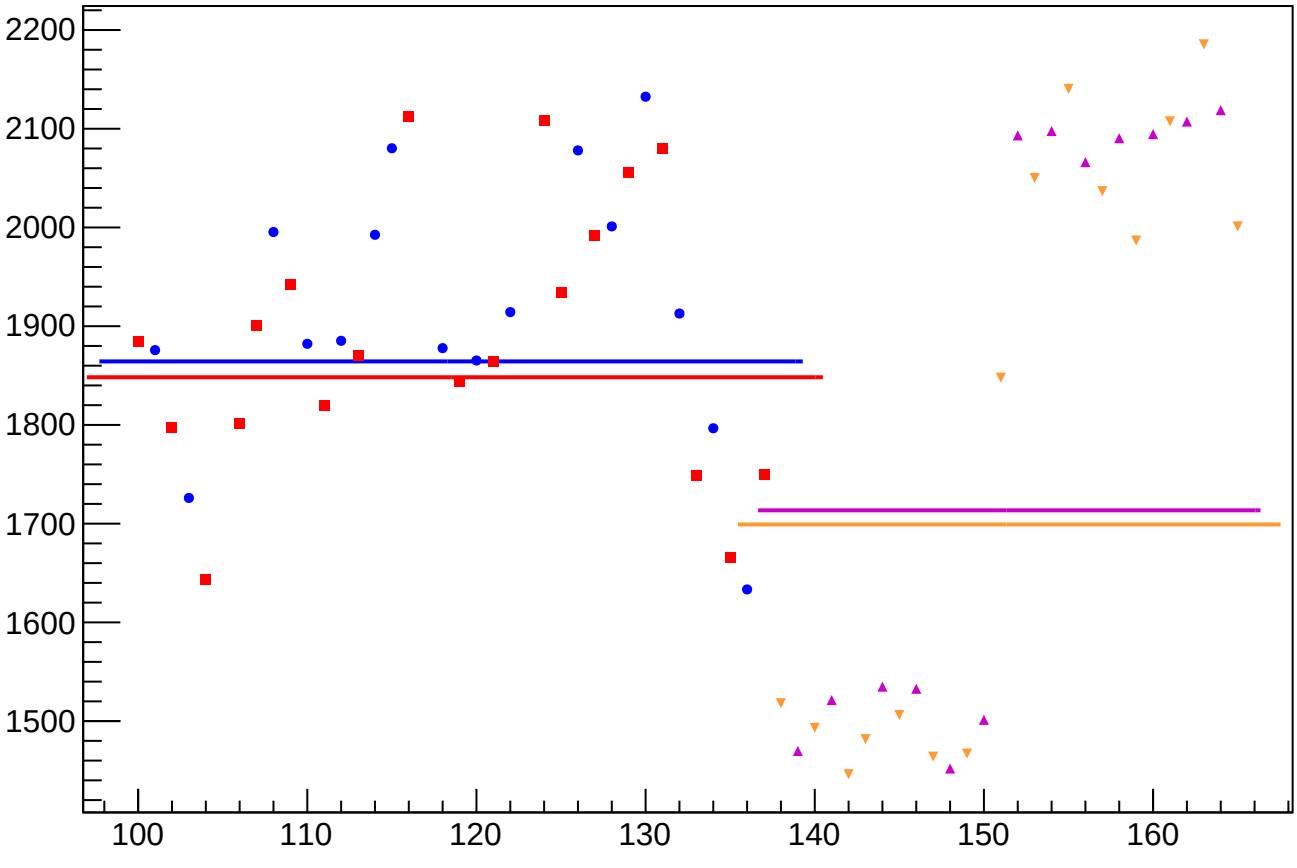
Left: 5.026+/-0.362 χ^2/NDF: 268.1/27

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.667+/-0.419 χ^2/NDF:1147.6/28

Out: 5.712+/-0.403 χ^2/NDF:894.1/33

All: 8.091+/-0.290 χ^2/NDF: 2114.5/62



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1699.181+/-0.354 χ^2/NDF:611828.2/14

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1713.506+/-0.371 χ^2/NDF:591294.3/12

Left: 1706.010+/-0.256 χ^2/NDF: 1203902.1/27

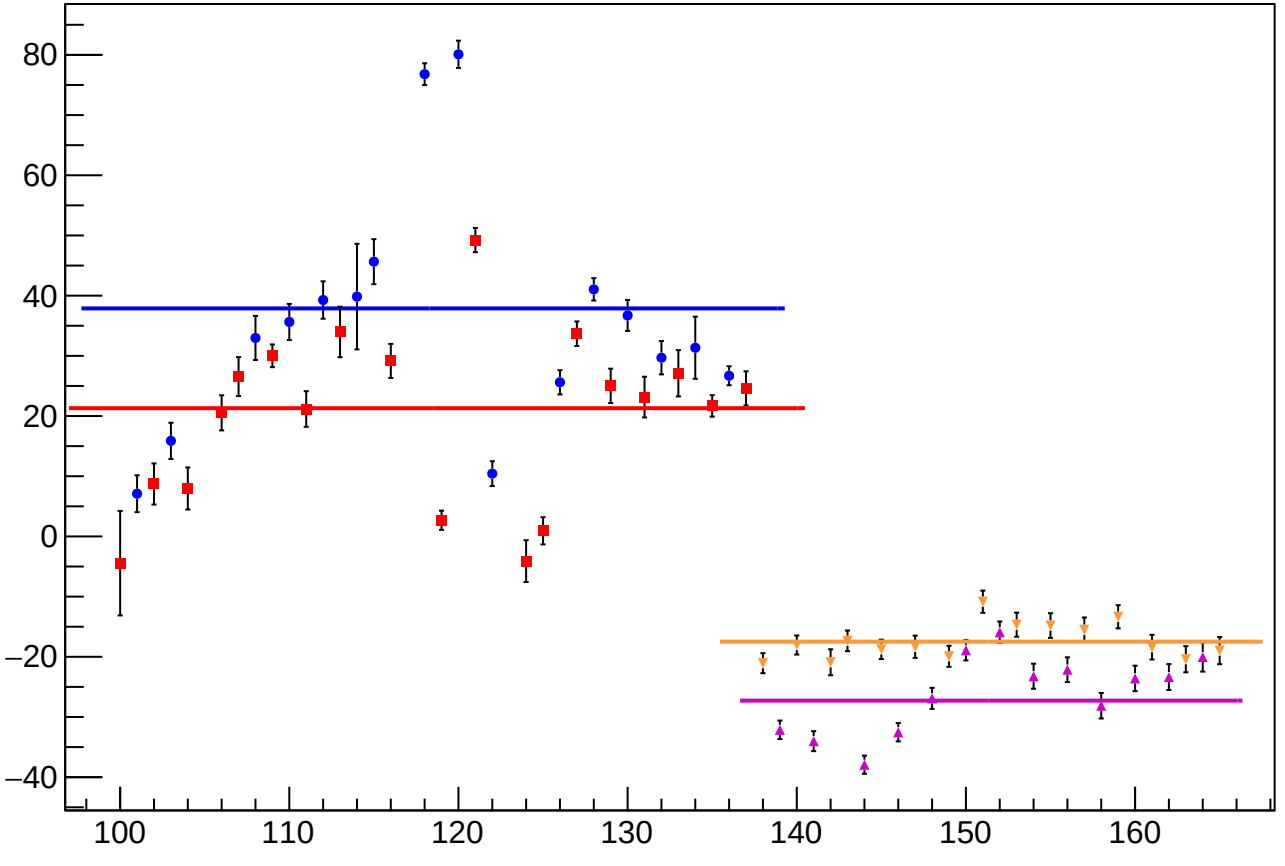
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1768.287+/-0.296 χ^2/NDF:734594.2/28

Out: 1752.017+/-0.285 χ^2/NDF:749558.2/33

All: 1759.830+/-0.205 χ^2/NDF: 1485721.4/62

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.480+/-0.485 χ^2/NDF:34.6/14

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -27.277+/-0.503 χ^2/NDF:178.8/12

Left: -22.199+/-0.349 χ^2/NDF: 409.9/27

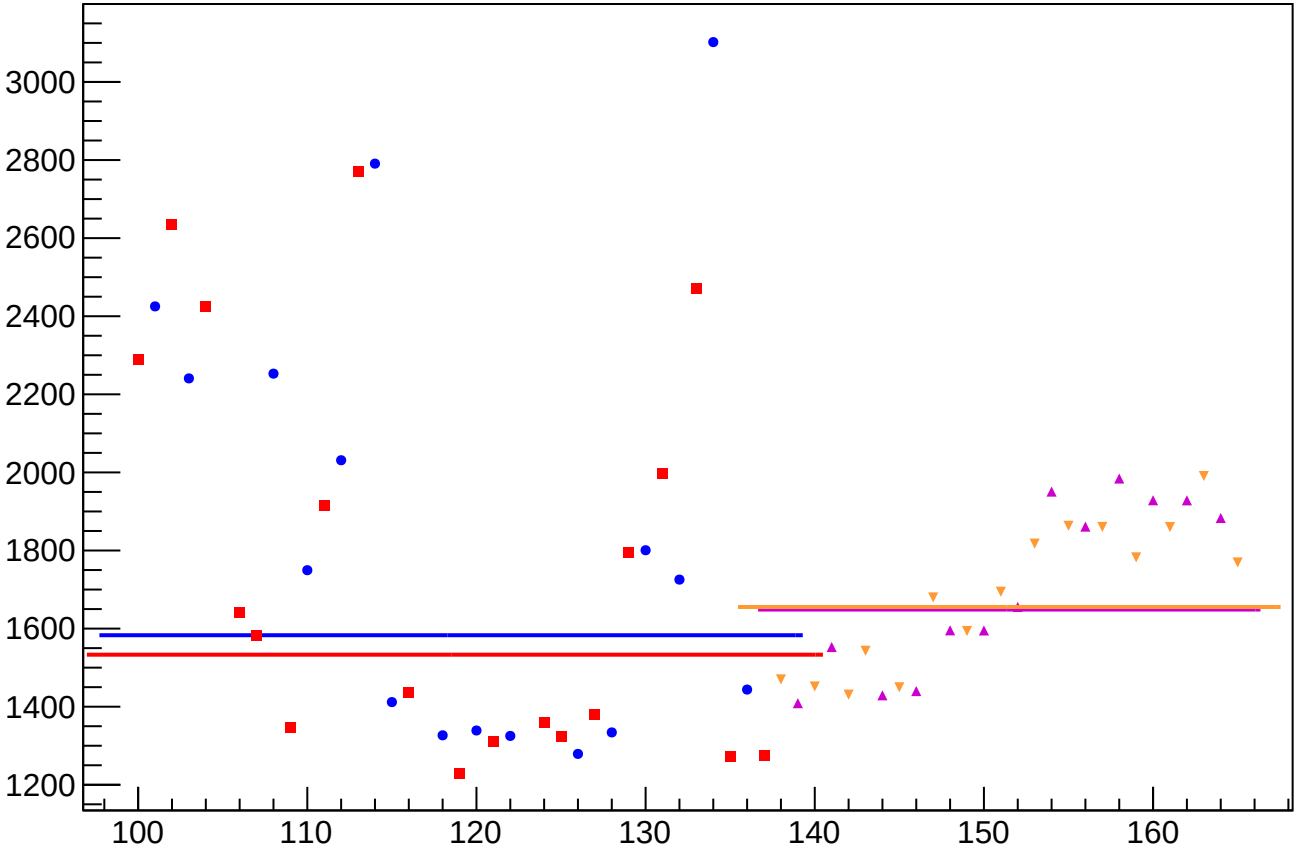
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -1.533+/-0.391 χ^2/NDF:8058.6/28

Out: -1.936+/-0.375 χ^2/NDF:3181.3/33

All: -1.743+/-0.271 χ^2/NDF: 11240.4/62

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1655.342+/-0.343 χ^2/NDF:259764.0/14

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1648.761+/-0.356 χ^2/NDF:340870.7/12

Left: 1652.172+/-0.247 χ^2/NDF: 600812.2/27

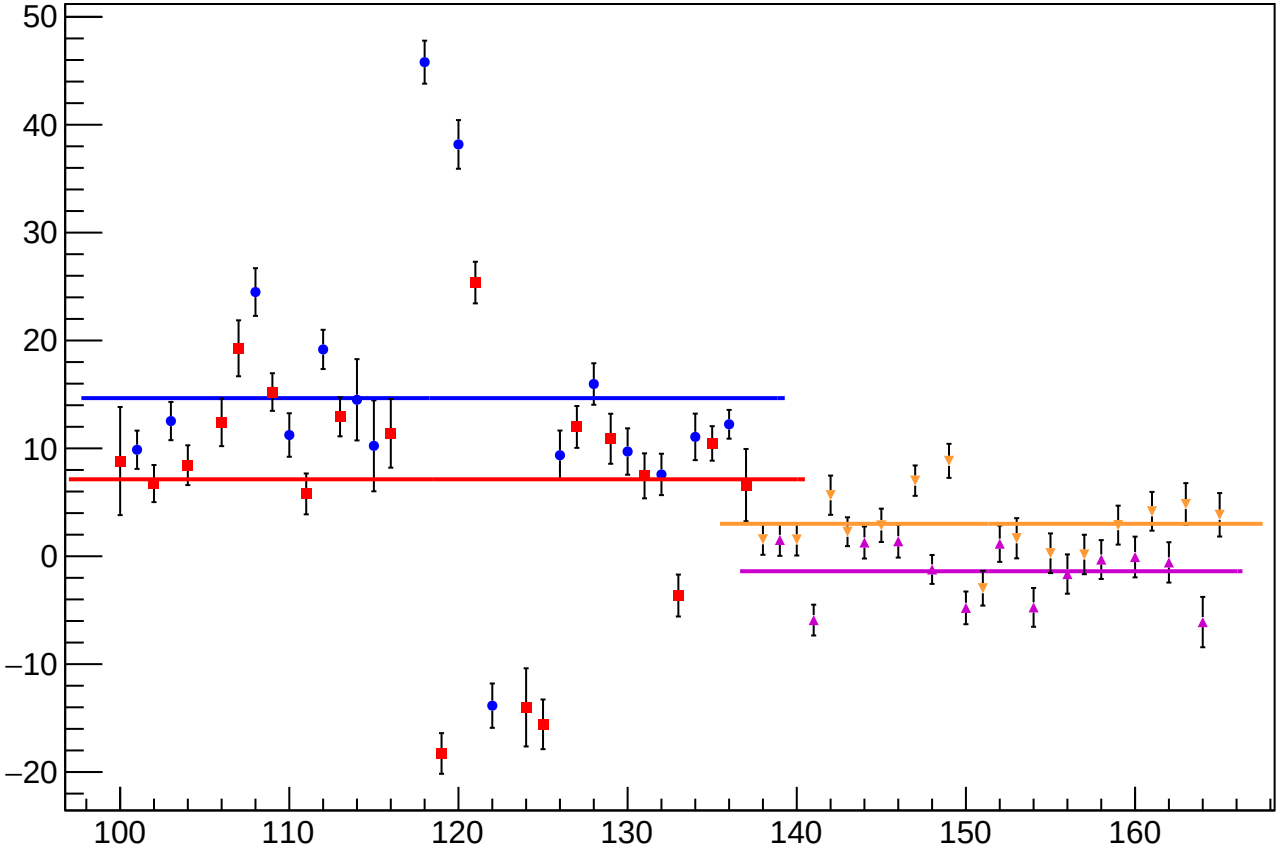
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1622.798+/-0.277 χ^2/NDF:1142029.6/28

Out: 1606.387+/-0.265 χ^2/NDF:1261406.0/33

All: 1614.254+/-0.192 χ^2/NDF: 2405267.9/62

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.008+/-0.426 χ^2/NDF:46.5/14

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.388+/-0.454 χ^2/NDF:36.4/12

Left: 0.952+/-0.310 χ^2/NDF: 132.9/27

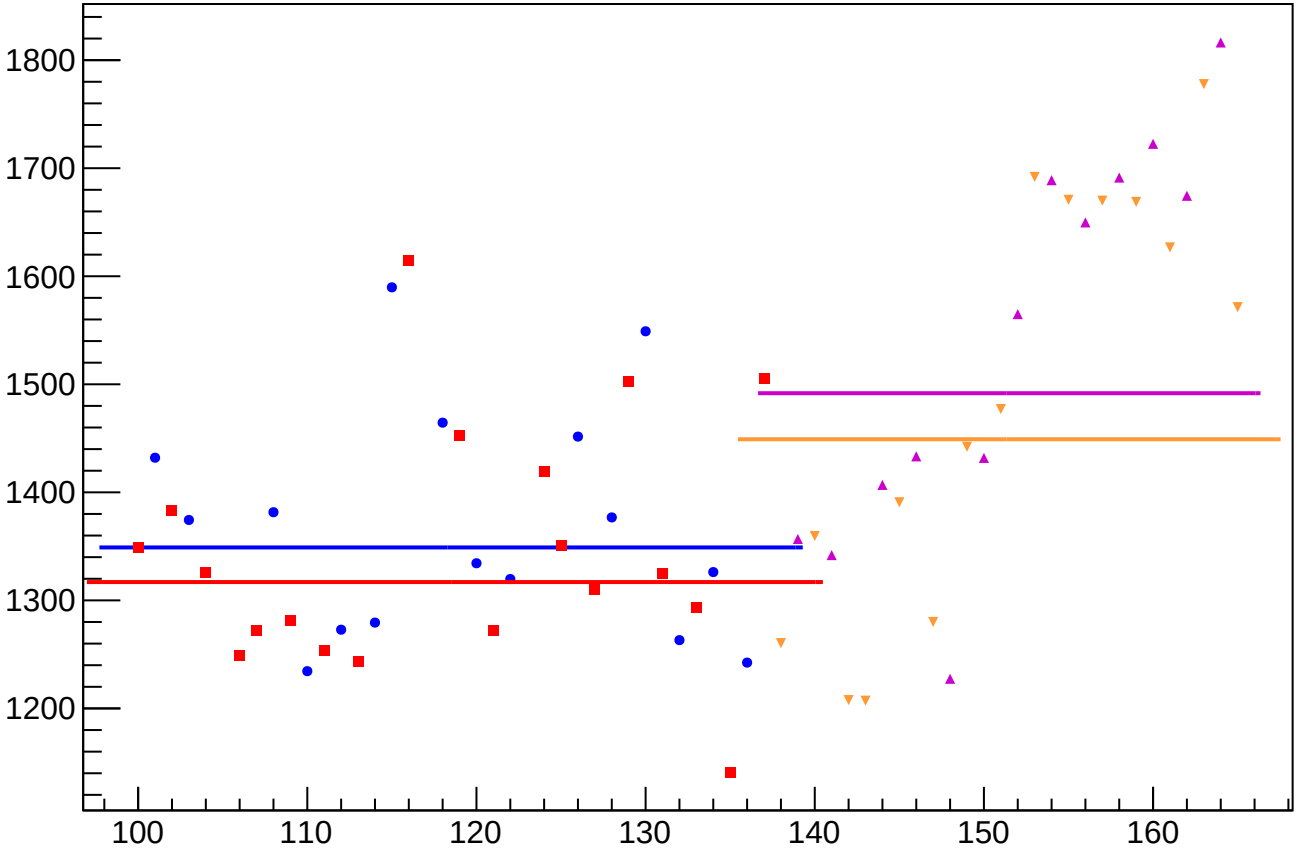
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 5.793+/-0.337 χ^2/NDF:1210.1/28

Out: 4.810+/-0.319 χ^2/NDF:597.0/33

All: 5.274+/-0.232 χ^2/NDF: 1811.6/62

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1449.131+/-0.301 χ^2/NDF:380961.0/14

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1491.744+/-0.321 χ^2/NDF:284203.5/12

Left: 1469.057+/-0.220 χ^2/NDF: 674544.2/27

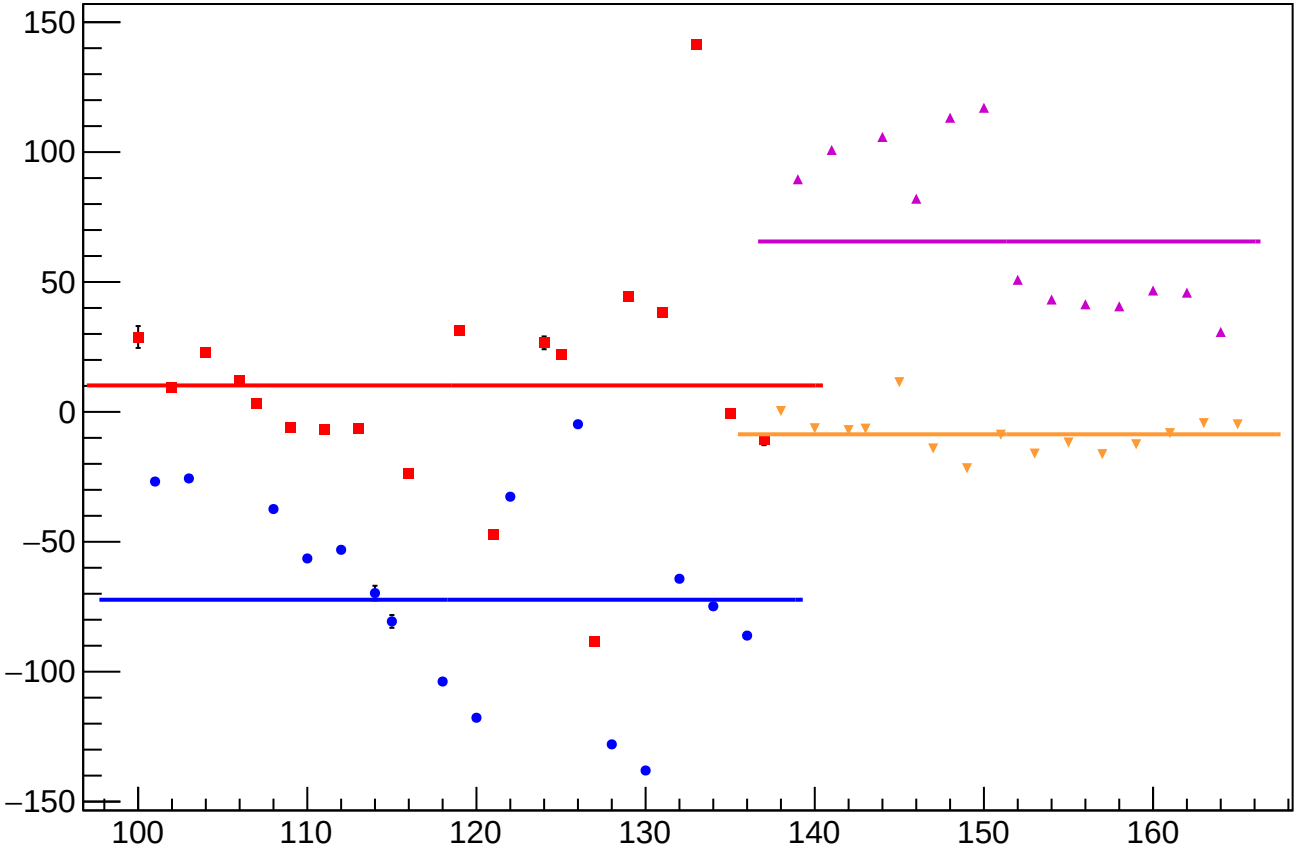
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1427.867+/-0.239 χ^2/NDF:441051.0/28

Out: 1391.400+/-0.226 χ^2/NDF:552119.8/33

All: 1408.626+/-0.164 χ^2/NDF: 1005491.1/62

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.624+/-0.250 χ^2/NDF:826.4/14

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 65.594+/-0.265 χ^2/NDF:12084.4/12

Left: 26.376+/-0.182 χ^2/NDF: 54463.9/27

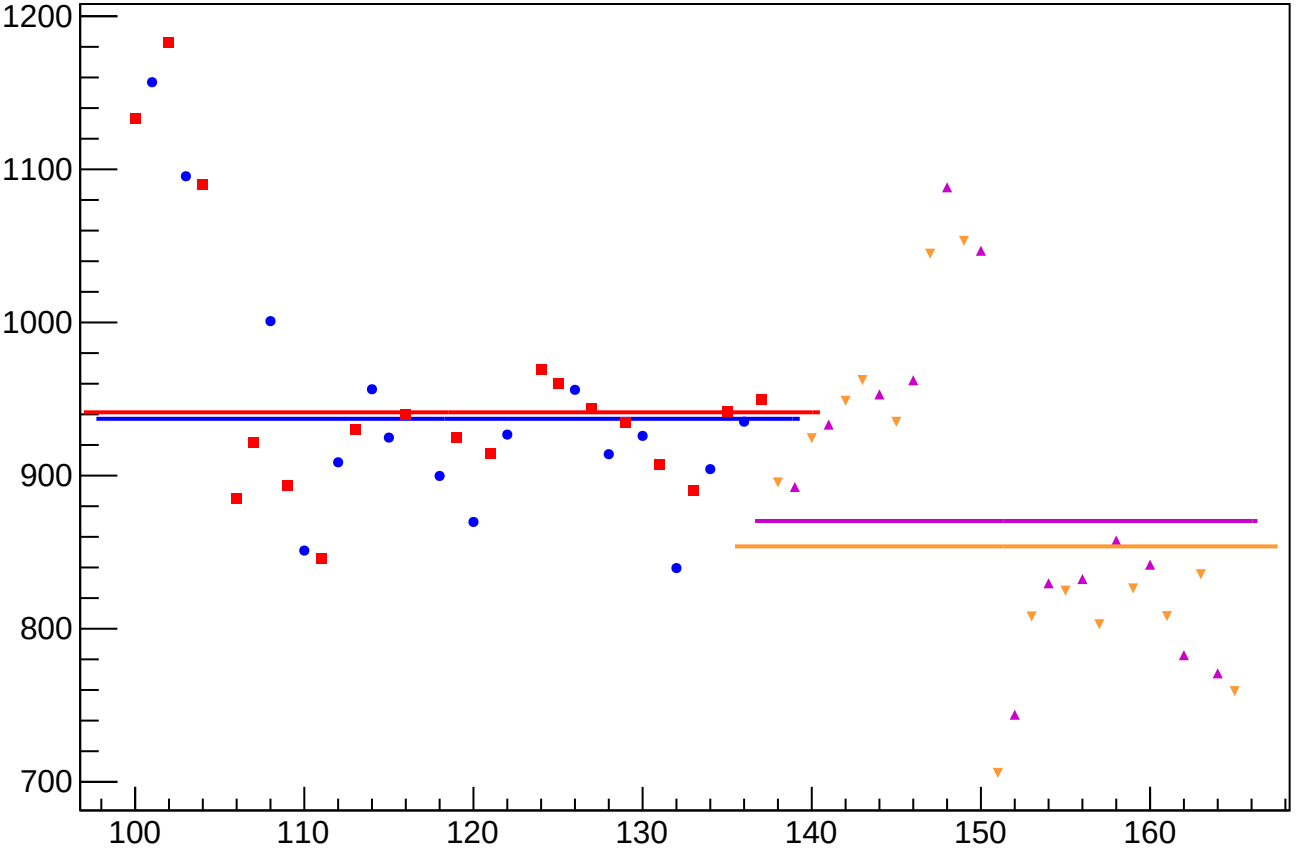
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.328+/-0.211 χ^2/NDF:123194.0/28

Out: -2.134+/-0.202 χ^2/NDF:21825.2/33

All: 6.233+/-0.146 χ^2/NDF: 148587.4/62

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 853.768+/-0.177 χ^2/NDF:285551.1/14

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 870.363+/-0.187 χ^2/NDF:257295.8/12

Left: 861.594+/-0.129 χ^2/NDF: 547001.9/27

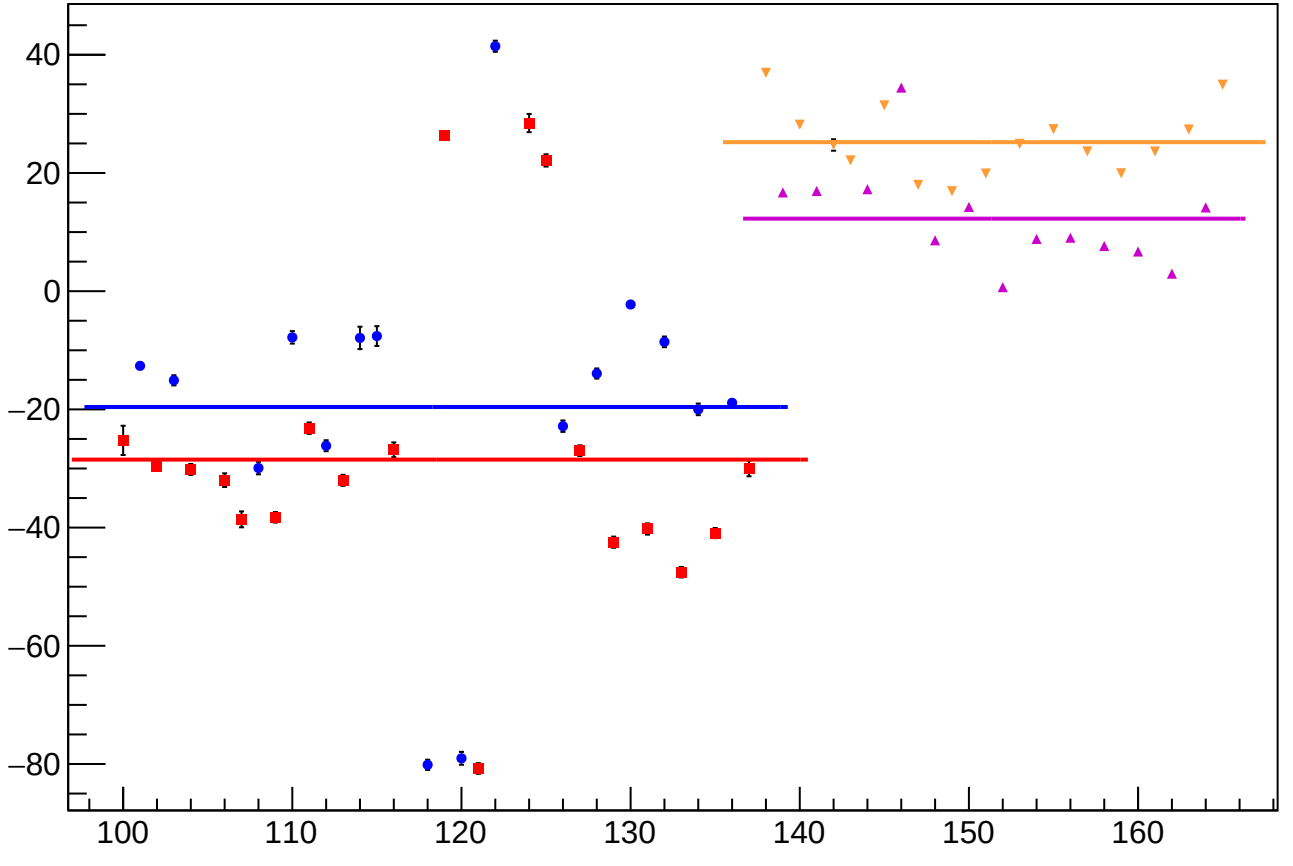
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 894.689+/-0.149 χ^2/NDF:408306.0/28

Out: 883.971+/-0.143 χ^2/NDF:471184.9/33

All: 889.107+/-0.103 χ^2/NDF: 882178.8/62

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 25.213+/-0.194 χ^2/NDF:870.5/14

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 12.274+/-0.205 χ^2/NDF:1714.3/12

Left: 19.105+/-0.141 χ^2/NDF: 4682.2/27

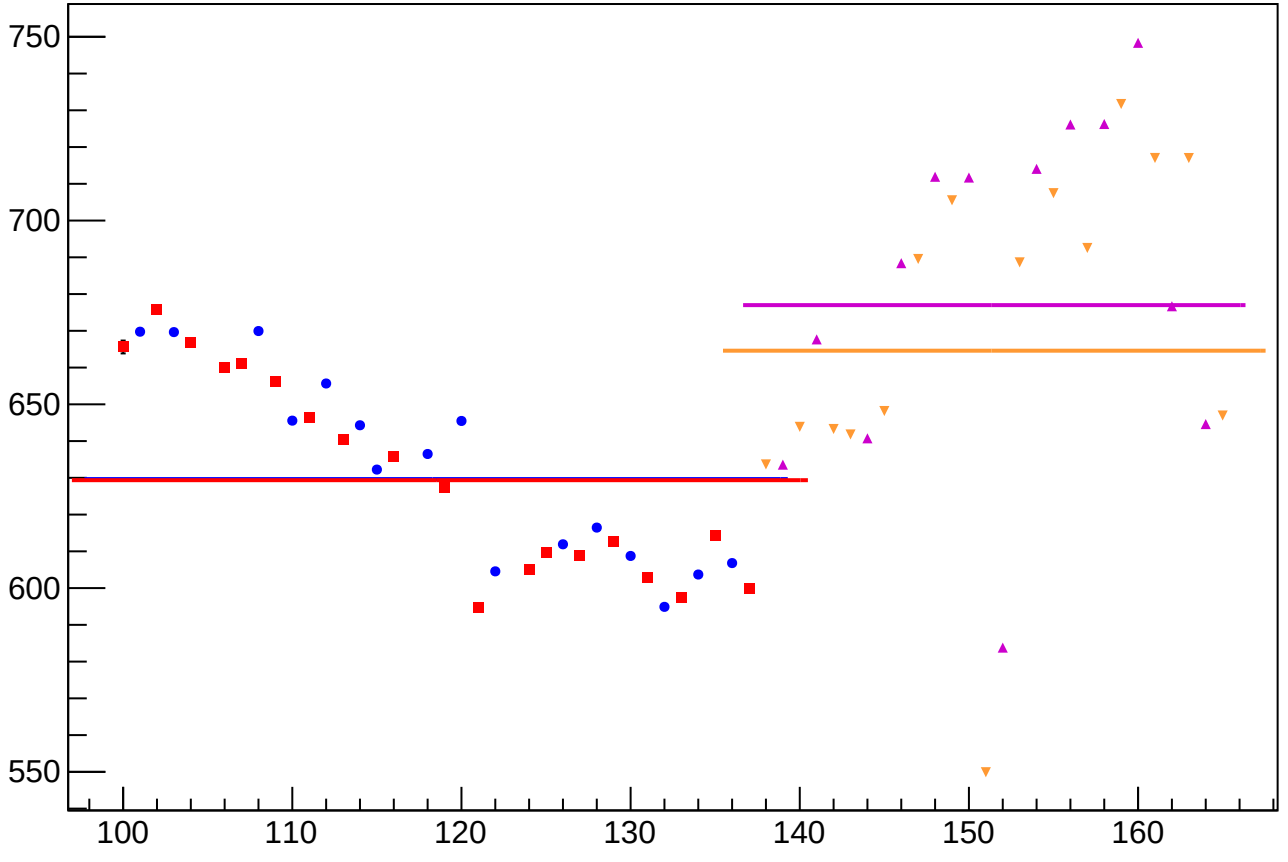
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -1.585+/-0.154 χ^2/NDF:25363.4/28

Out: 2.833+/-0.148 χ^2/NDF:45739.8/33

All: 0.713+/-0.107 χ^2/NDF: 71529.2/62

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 664.594+/-0.137 χ^2/NDF:134574.7/14

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 676.992+/-0.145 χ^2/NDF:104502.9/12

Left: 670.447+/-0.100 χ^2/NDF: 242928.6/27

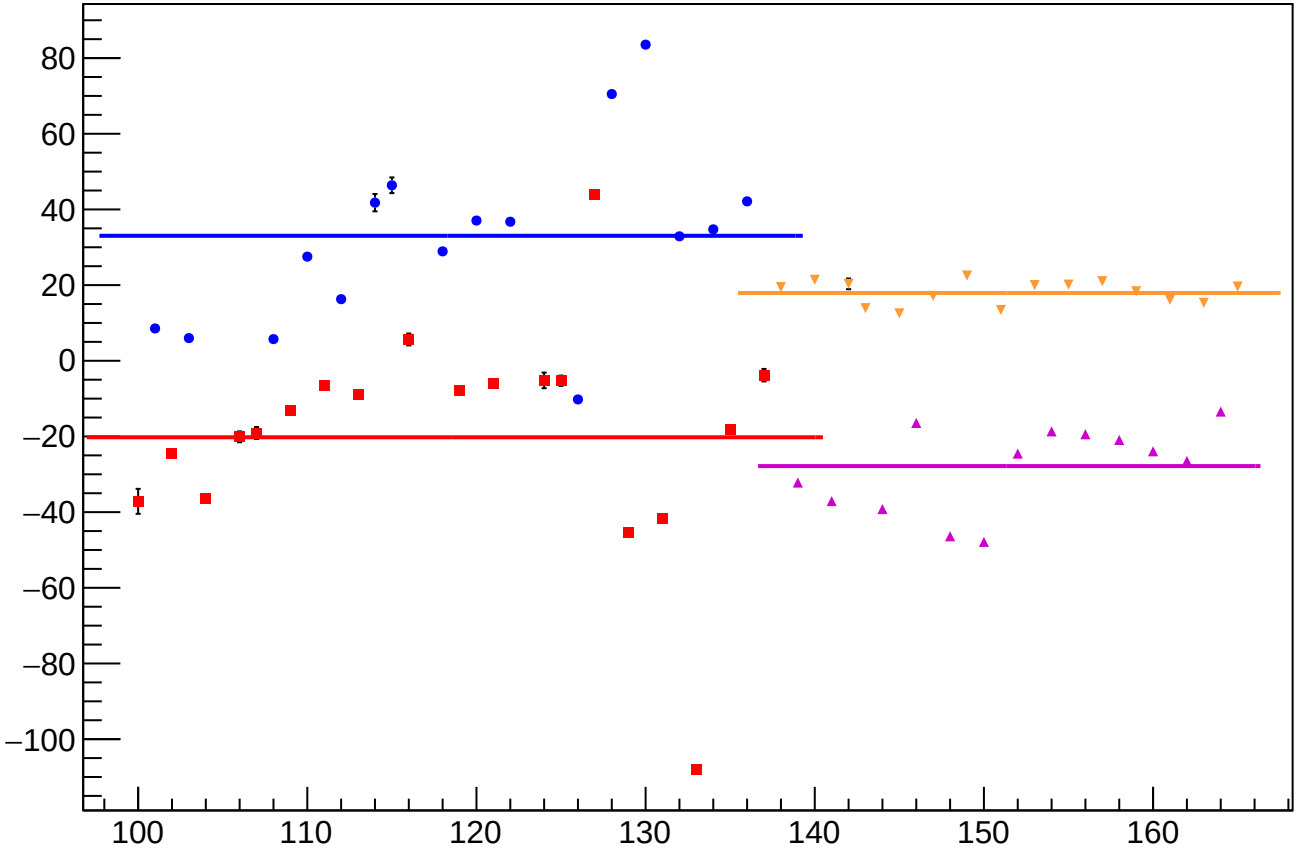
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 656.411+/-0.109 χ^2/NDF:176044.9/28

Out: 649.913+/-0.105 χ^2/NDF:188819.0/33

All: 653.031+/-0.076 χ^2/NDF: 366707.9/62

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.921+/-0.275 χ^2/NDF:125.2/14

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -27.828+/-0.288 χ^2/NDF:1305.2/12

Left: -3.874+/-0.199 χ^2/NDF: 14623.6/27

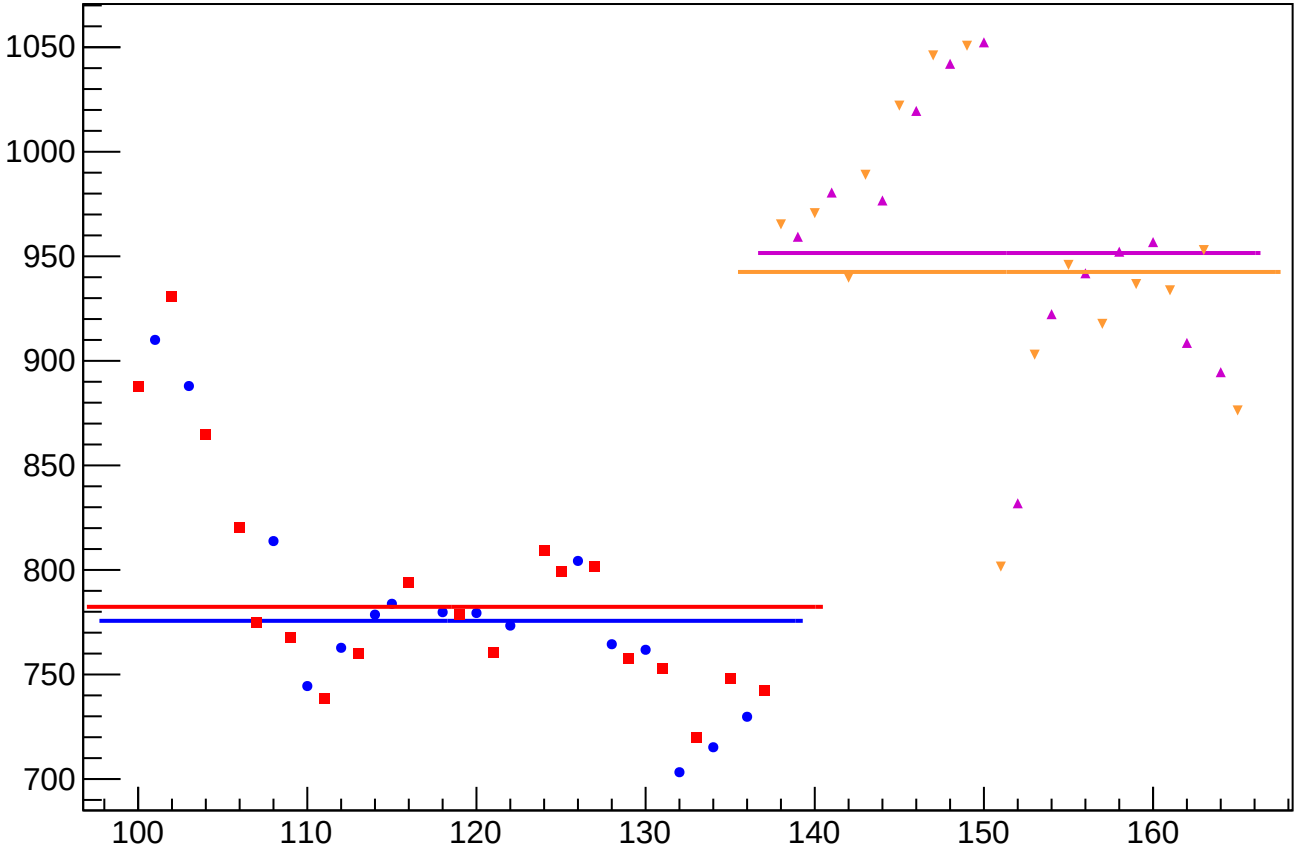
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 2.528+/-0.204 χ^2/NDF:30248.2/28

Out: -0.396+/-0.198 χ^2/NDF:21237.7/33

All: 1.023+/-0.142 χ^2/NDF: 51591.7/62

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 942.522+/-0.194 χ^2/NDF:113620.7/14

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 951.578+/-0.204 χ^2/NDF:86068.3/12

Left: 946.837+/-0.141 χ^2/NDF: 200723.0/27

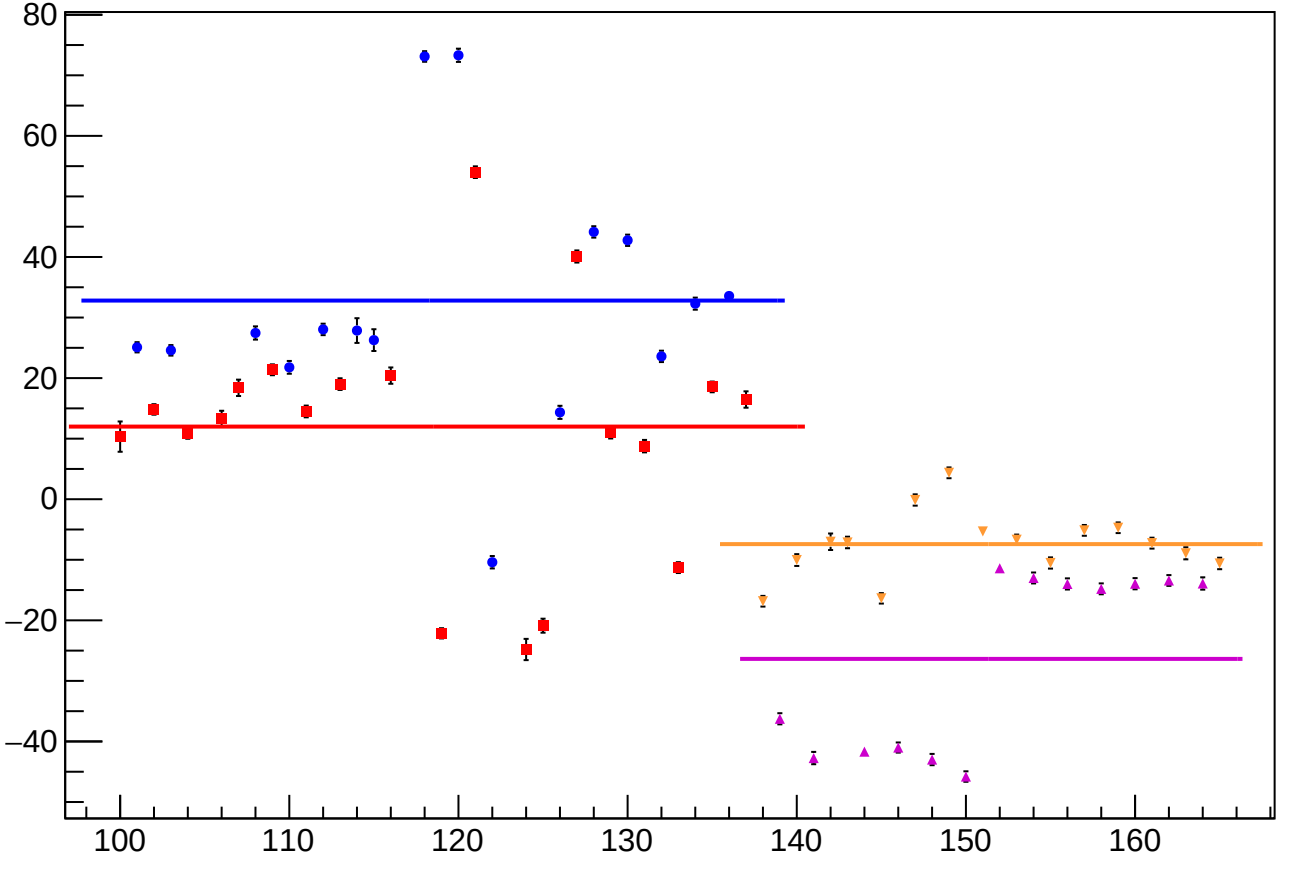
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.836+/-0.144 χ^2/NDF:532386.0/28

Out: 865.594+/-0.140 χ^2/NDF:504247.5/33

All: 864.740+/-0.101 χ^2/NDF: 1036709.9/62

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.414+/-0.234 χ^2/NDF:514.9/14

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -26.367+/-0.246 χ^2/NDF:3393.2/12

Left: -16.425+/-0.170 χ^2/NDF: 7022.3/27

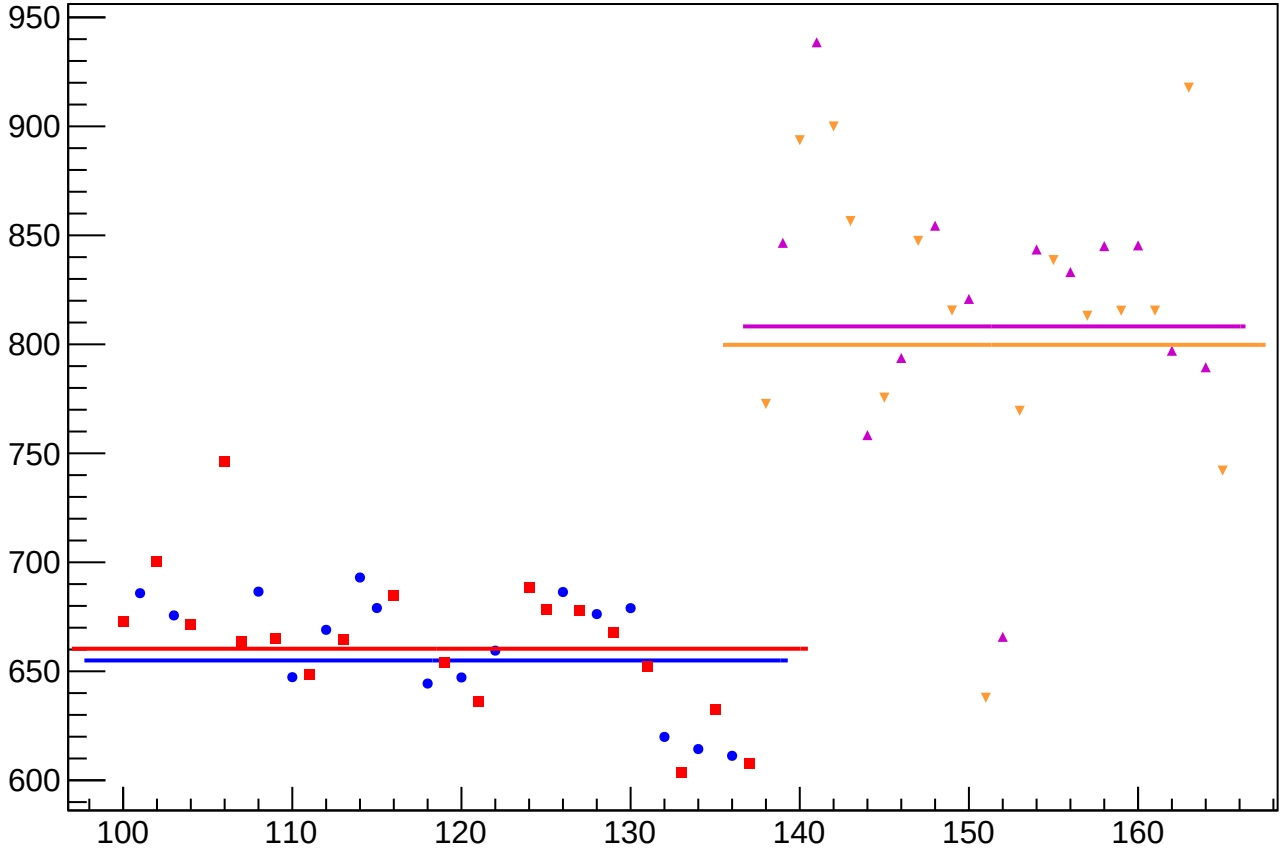
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 3.517+/-0.173 χ^2/NDF:38875.4/28

Out: 2.007+/-0.168 χ^2/NDF:10408.0/33

All: 2.740+/-0.121 χ^2/NDF: 49322.5/62

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 799.766+/-0.166 χ^2/NDF:197510.2/14

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 808.221+/-0.174 χ^2/NDF:139586.1/12

Left: 803.786+/-0.120 χ^2/NDF: 338335.5/27

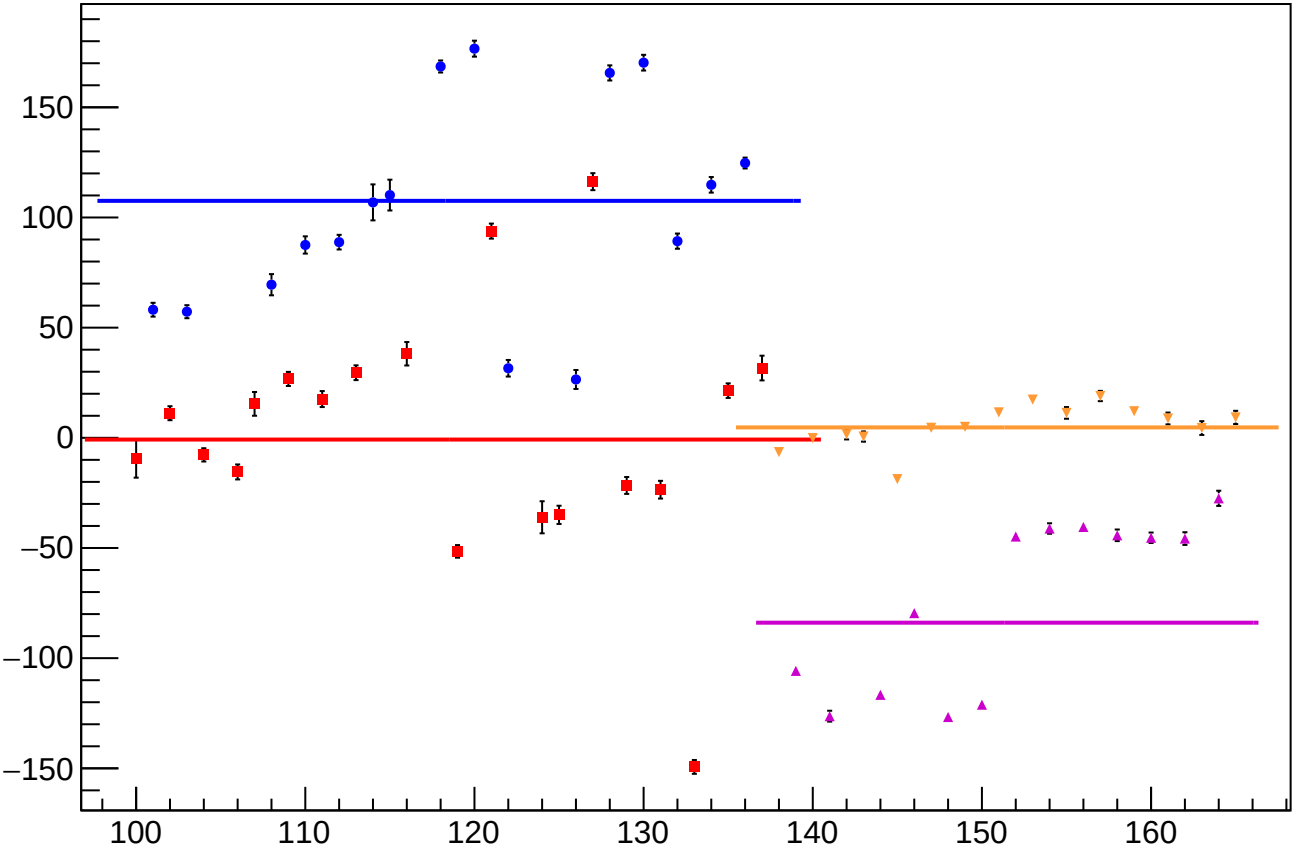
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.822+/-0.122 χ^2/NDF:558380.9/28

Out: 732.092+/-0.119 χ^2/NDF:571948.5/33

All: 731.476+/-0.085 χ^2/NDF: 1130384.8/62

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.727+/-0.568 χ^2/NDF:281.5/14

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -83.900+/-0.589 χ^2/NDF:3777.8/12

Left: -38.039+/-0.409 χ^2/NDF: 15791.6/27

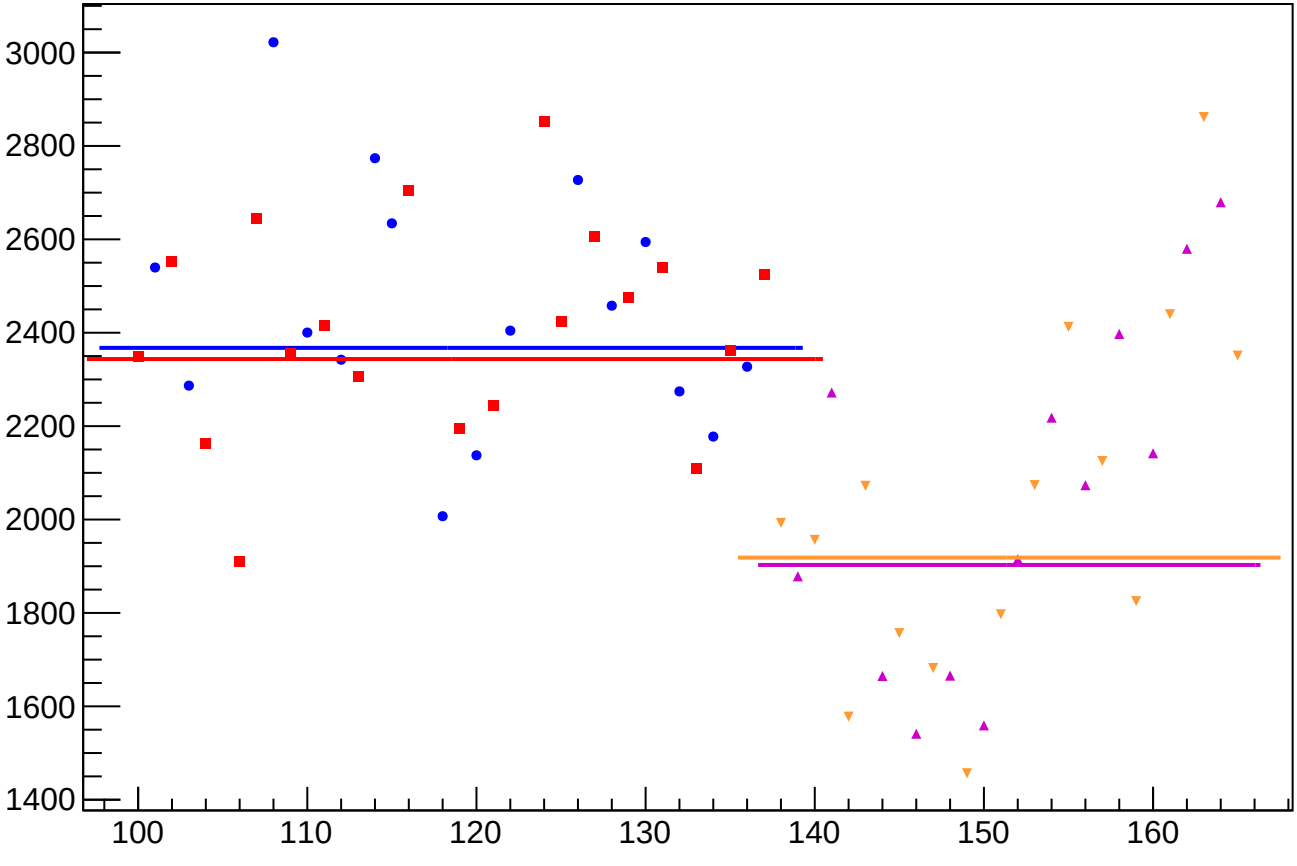
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -25.219+/-0.490 χ^2/NDF:39161.8/28

Out: 3.052+/-0.474 χ^2/NDF:5074.0/33

All: -10.619+/-0.341 χ^2/NDF: 45953.9/62

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1918.470+/-0.402 χ^2/NDF:670248.7/14

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1902.734+/-0.416 χ^2/NDF:649180.6/12

Left: 1910.877+/-0.289 χ^2/NDF: 1320169.1/27

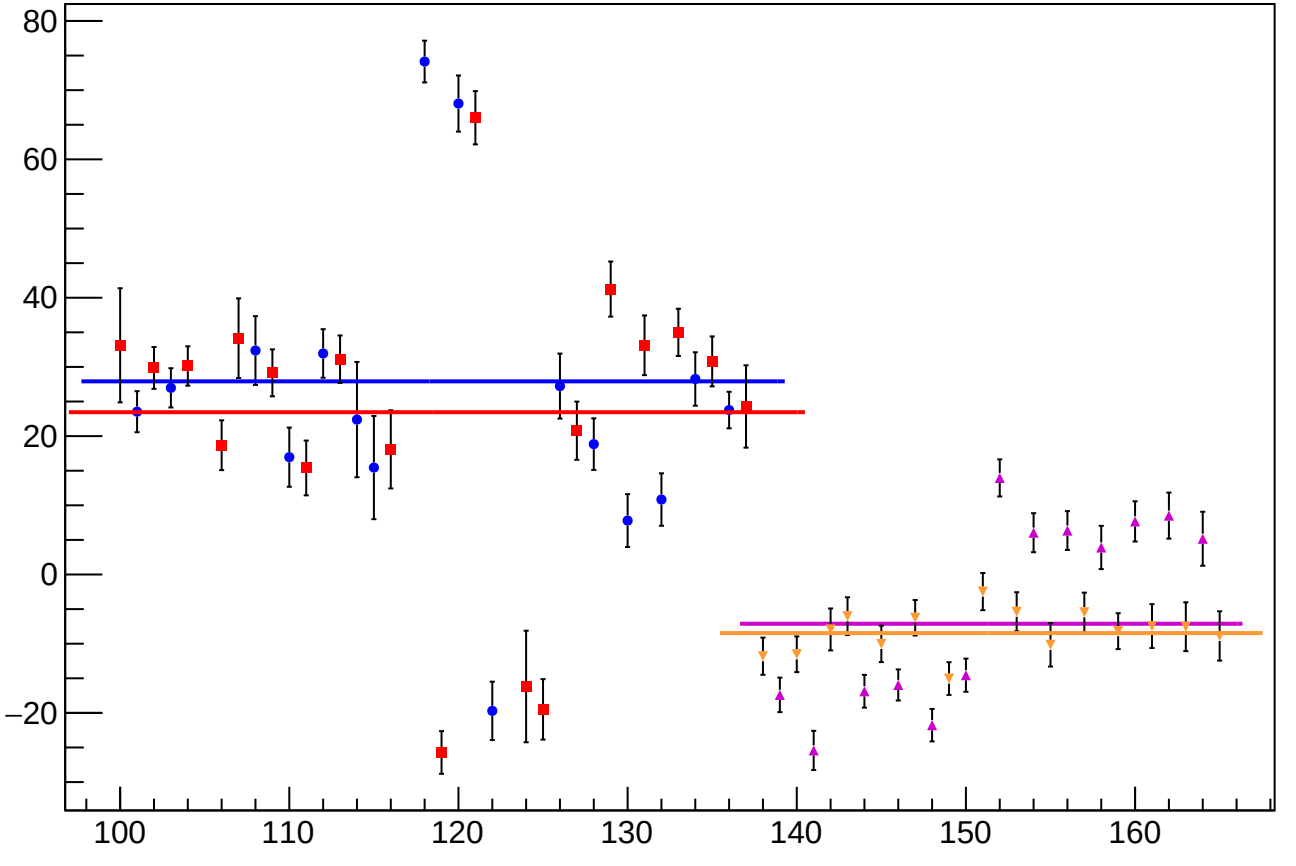
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2045.230+/-0.347 χ^2/NDF:1158390.9/28

Out: 2047.573+/-0.335 χ^2/NDF:1122396.3/33

All: 2046.440+/-0.241 χ^2/NDF: 2280810.8/62

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.465+/-0.725 χ^2/NDF:20.4/14

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.115+/-0.748 χ^2/NDF:317.1/12

Left: -7.811+/-0.520 χ^2/NDF: 339.2/27

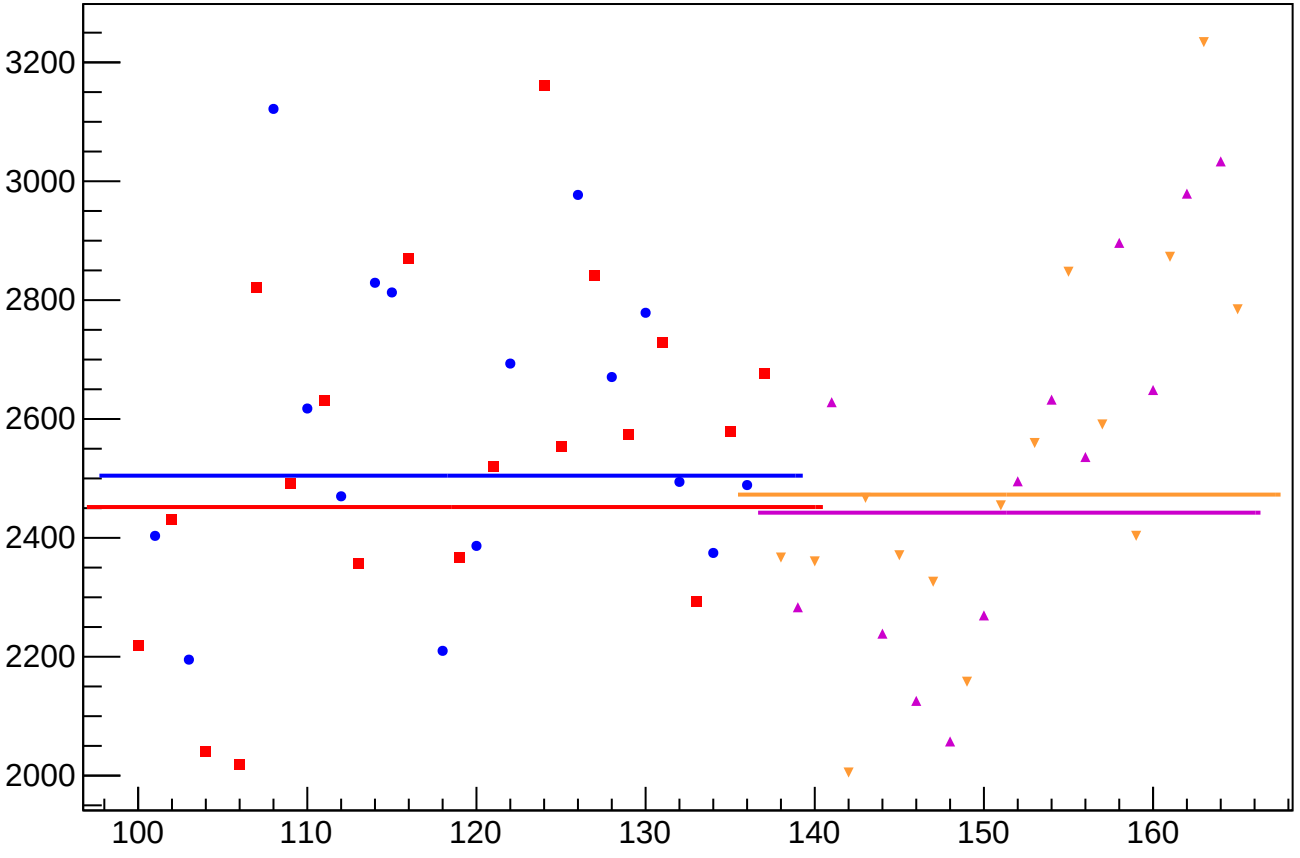
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.521+/-0.584 χ^2/NDF:1701.9/28

Out: 4.046+/-0.565 χ^2/NDF:1348.9/33

All: 5.242+/-0.406 χ^2/NDF: 3060.0/62

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2472.809+/-0.512 χ^2/NDF:275408.0/14

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2442.385+/-0.529 χ^2/NDF:298043.5/12

Left: 2458.077+/-0.368 χ^2/NDF: 575158.6/27

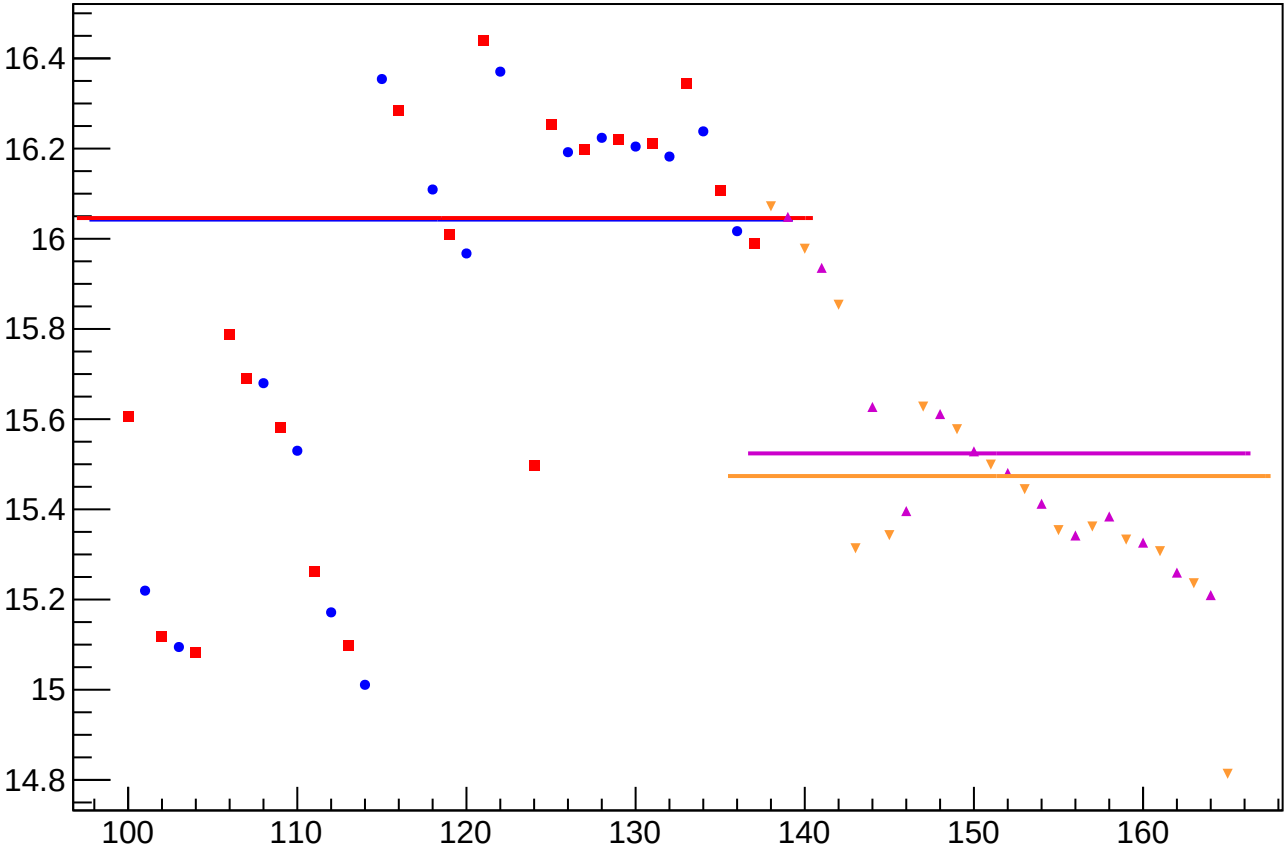
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2466.623+/-0.413 χ^2/NDF:430039.8/28

Out: 2464.606+/-0.400 χ^2/NDF:429299.0/33

All: 2465.581+/-0.287 χ^2/NDF: 859351.0/62

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.474+/-0.000 χ^2/NDF:8949815217.8/14

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.524+/-0.000 χ^2/NDF:5208066333.4/12

Left: 15.497+/-0.000 χ^2/NDF: 14269875978.0/27

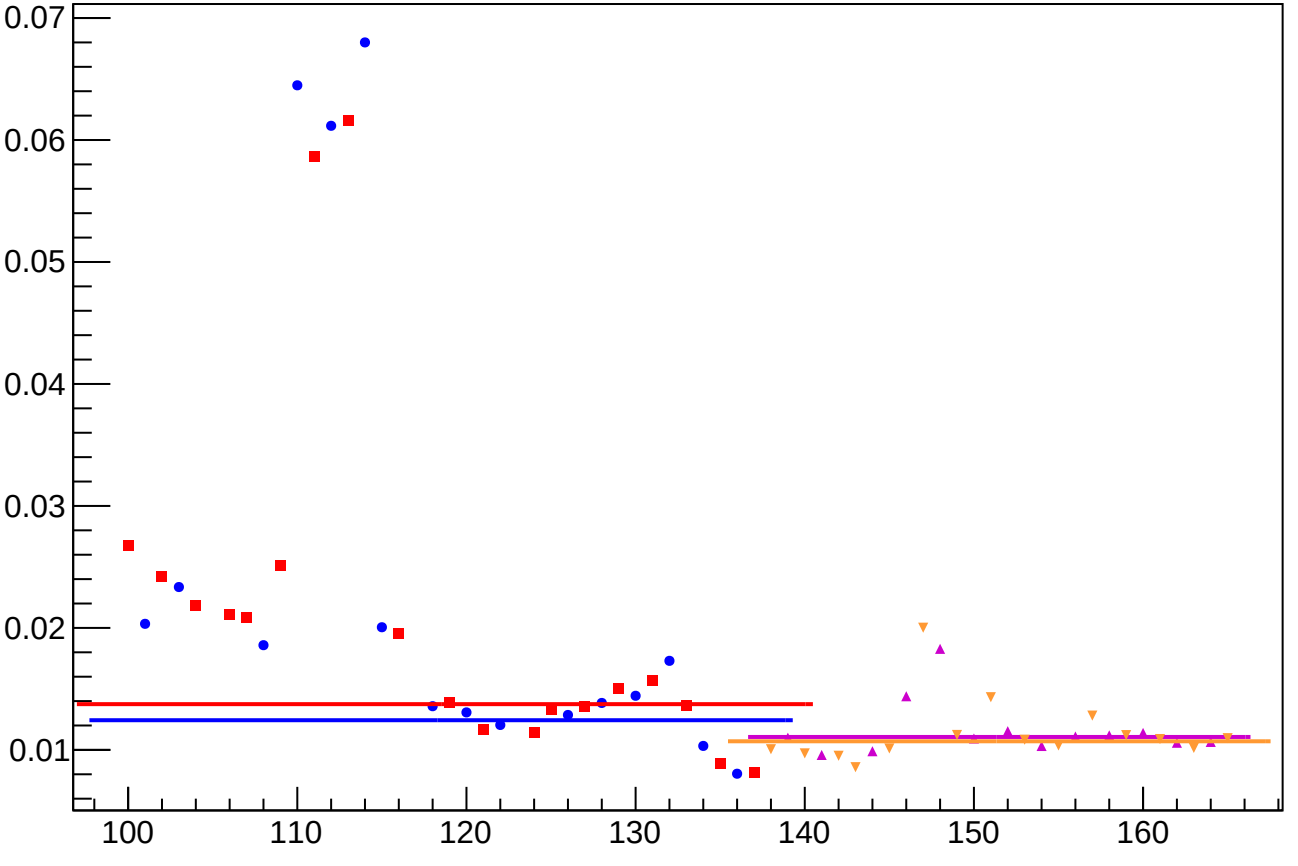
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.679+/-0.000 χ^2/NDF:14753306694.6/28

Out: 15.611+/-0.000 χ^2/NDF:19984055970.3/33

All: 15.644+/-0.000 χ^2/NDF: 35021091870.7

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:635976.2/14

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:414557.2/12

Left: 0.011+/-0.000 χ^2/NDF: 1061732.4/27

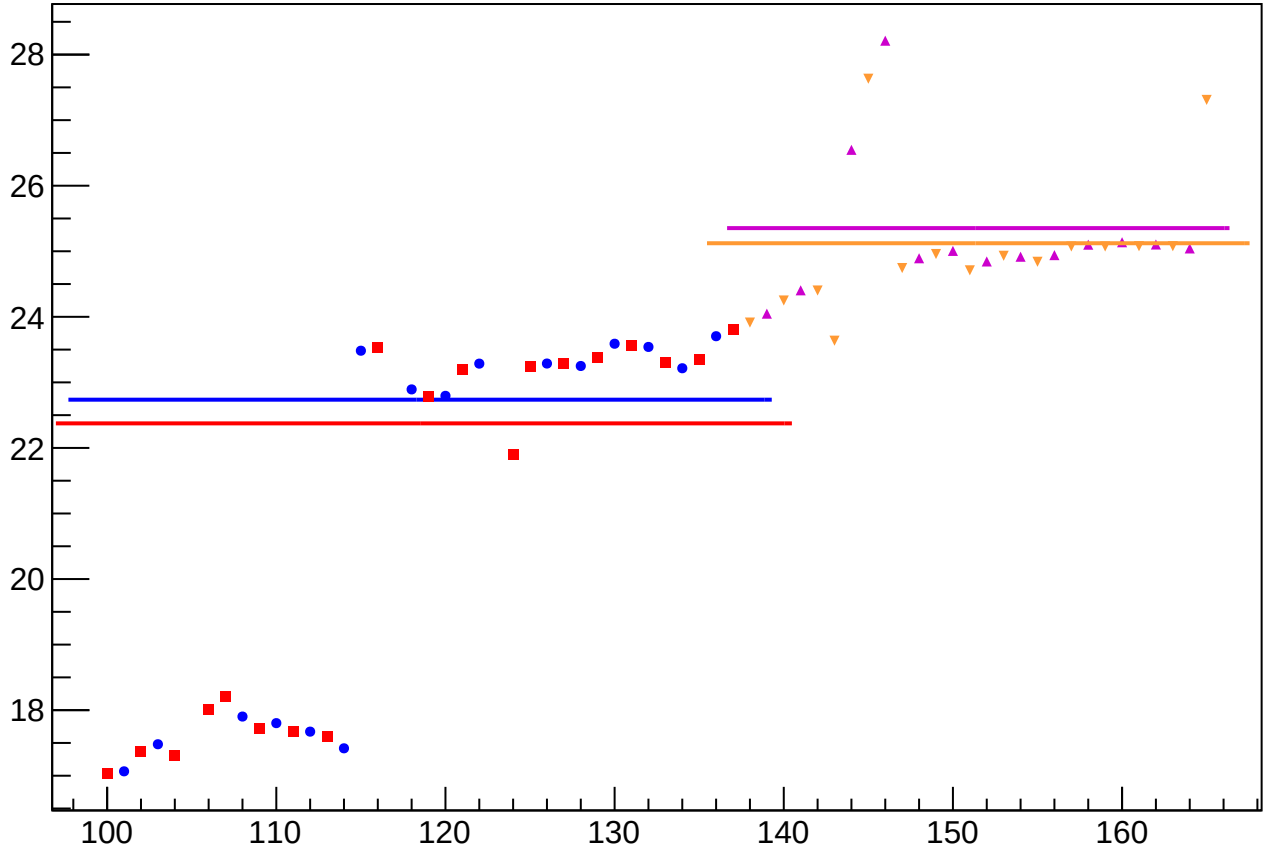
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2825305.9/28

Out: 0.011+/-0.000 χ^2/NDF:3290522.7/33

All: 0.011+/-0.000 χ^2/NDF: 6115977.5/62

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.122+/-0.000 χ^2/NDF:1004998467.1/14

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.353+/-0.000 χ^2/NDF:691721725.7/12

Left: 25.230+/-0.000 χ^2/NDF: 1715464315.7/27

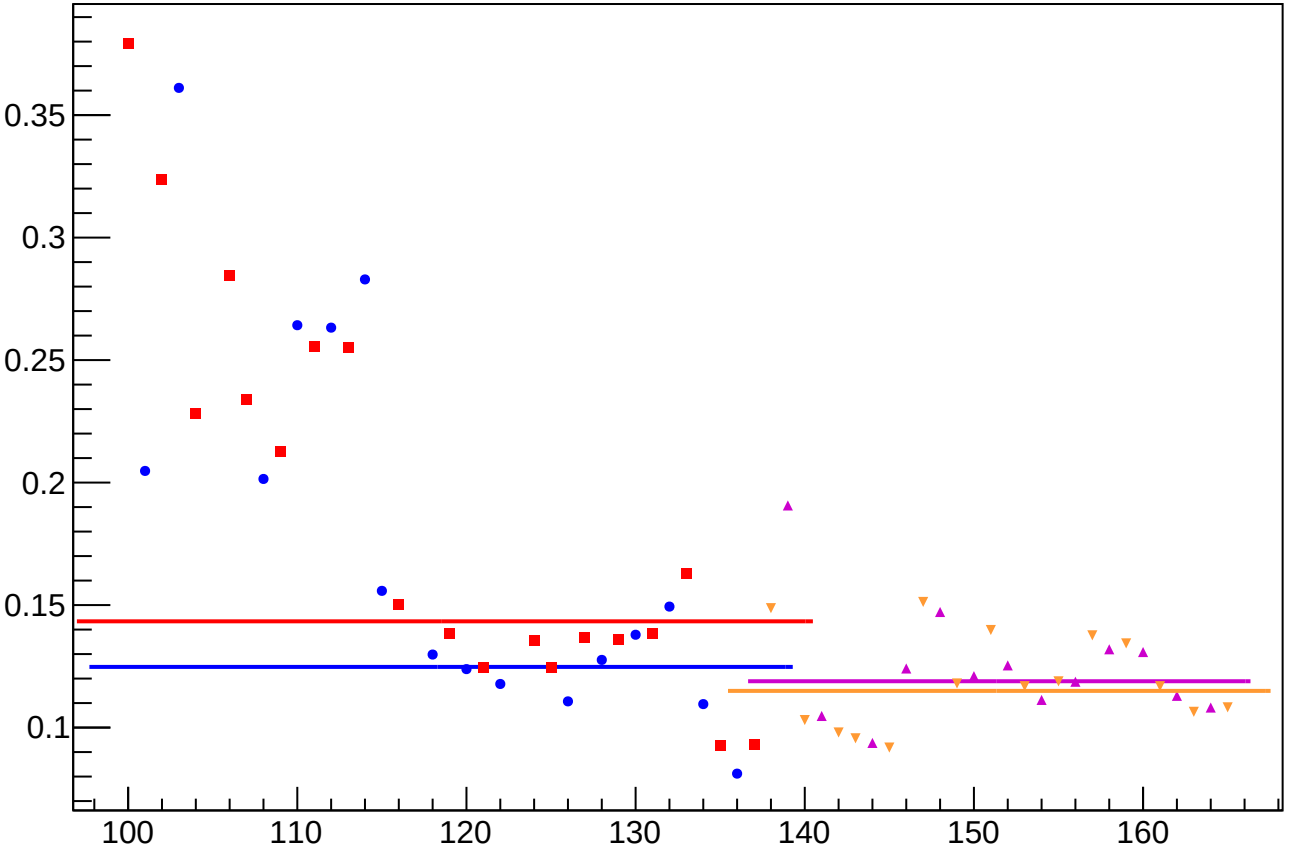
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.458+/-0.000 χ^2/NDF:3460482935.6/28

Out: 24.379+/-0.000 χ^2/NDF:3759889663.0/33

All: 24.418+/-0.000 χ^2/NDF: 7223547785.7/6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:469645.4/14

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.119+/-0.000 χ^2/NDF:483550.5/12

Left: 0.117+/-0.000 χ^2/NDF: 964124.0/27

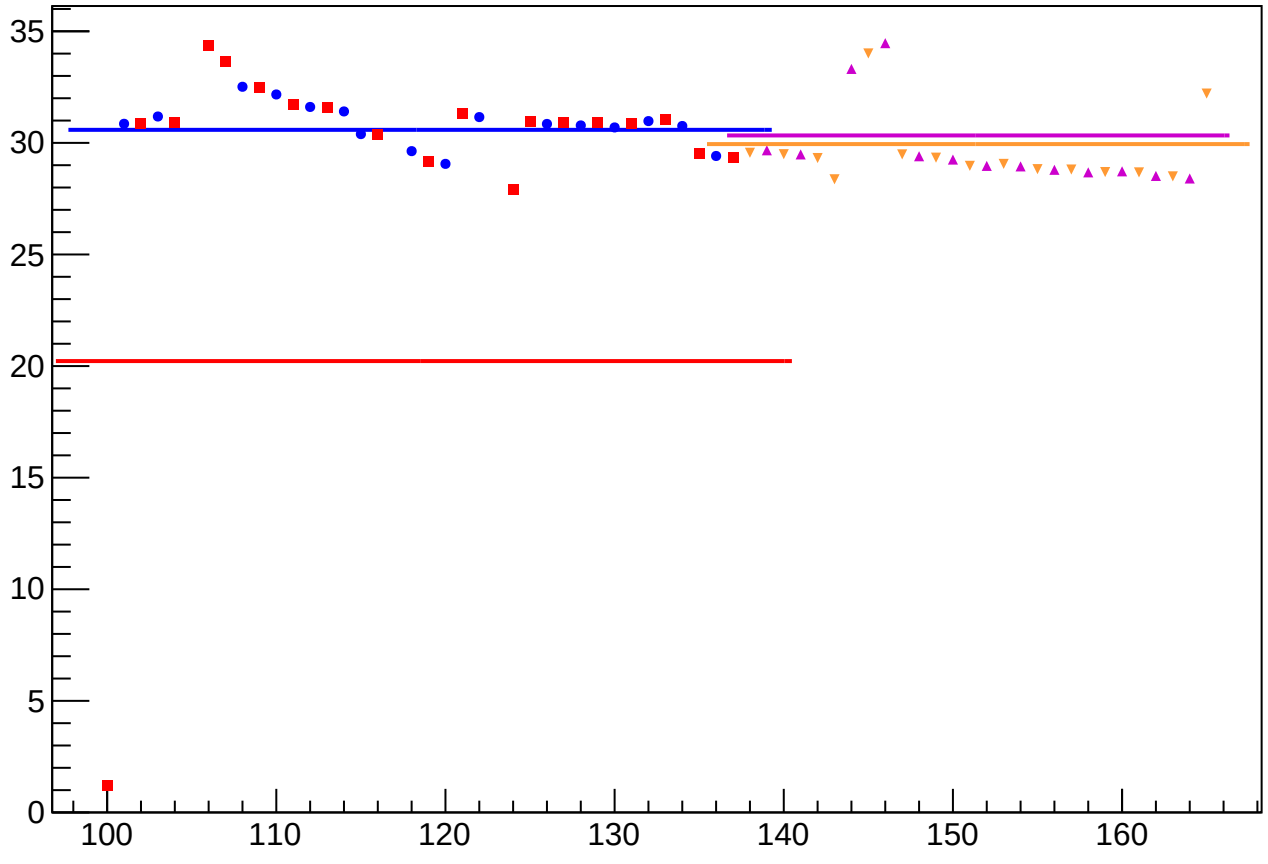
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.121+/-0.000 χ^2/NDF:2248832.0/28

Out: 0.123+/-0.000 χ^2/NDF:2368501.6/33

All: 0.122+/-0.000 χ^2/NDF: 4620427.3/62

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.946+/-0.000 χ^2/NDF:7179613963.1/14

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.333+/-0.000 χ^2/NDF:9332805268.3/12

Left: 30.134+/-0.000 χ^2/NDF: 16654618794.3/27

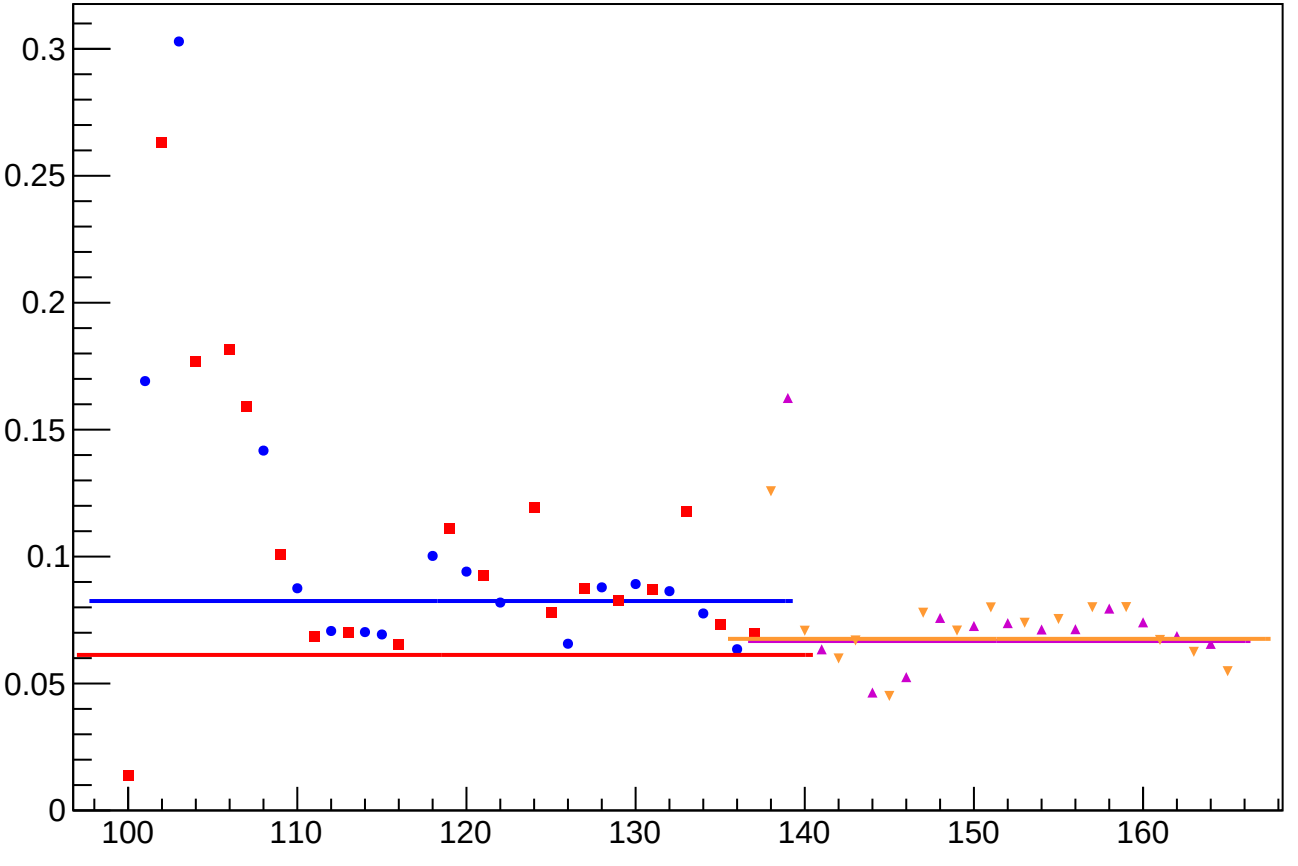
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.408+/-0.000 χ^2/NDF:10019419107.2/28

Out: 26.458+/-0.000 χ^2/NDF:294391405197.4/33

All: 28.287+/-0.000 χ^2/NDF: 326319112786.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:786776.6/14

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.067+/-0.000 χ^2/NDF:1013050.7/12

Left: 0.067+/-0.000 χ^2/NDF: 1801212.6/27

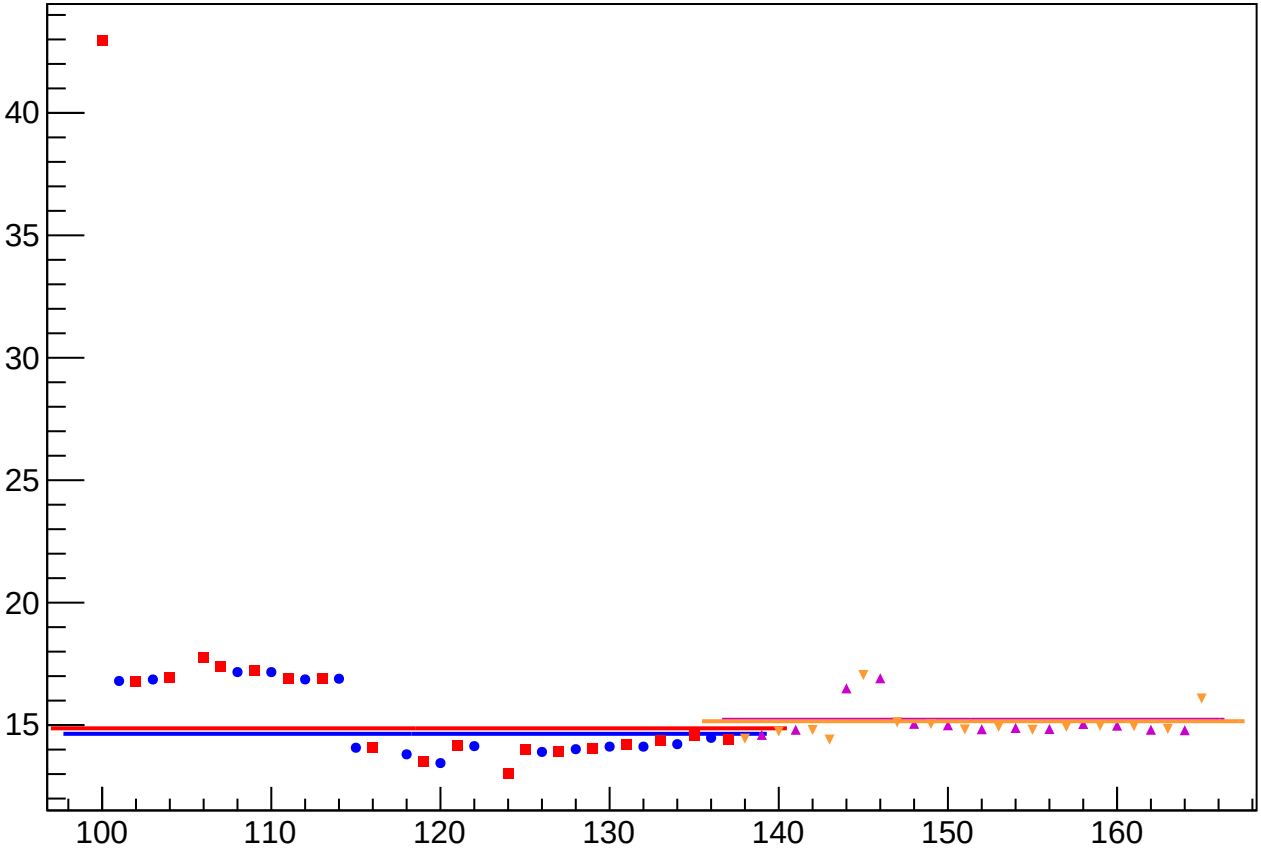
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2545200.0/28

Out: 0.065+/-0.000 χ^2/NDF:4857011.6/33

All: 0.068+/-0.000 χ^2/NDF: 7505988.4/62

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.158+/-0.000 χ^2/NDF:1135554250.5/14

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.218+/-0.000 χ^2/NDF:942902393.3/12

Left: 15.187+/-0.000 χ^2/NDF: 2082046393.7/27

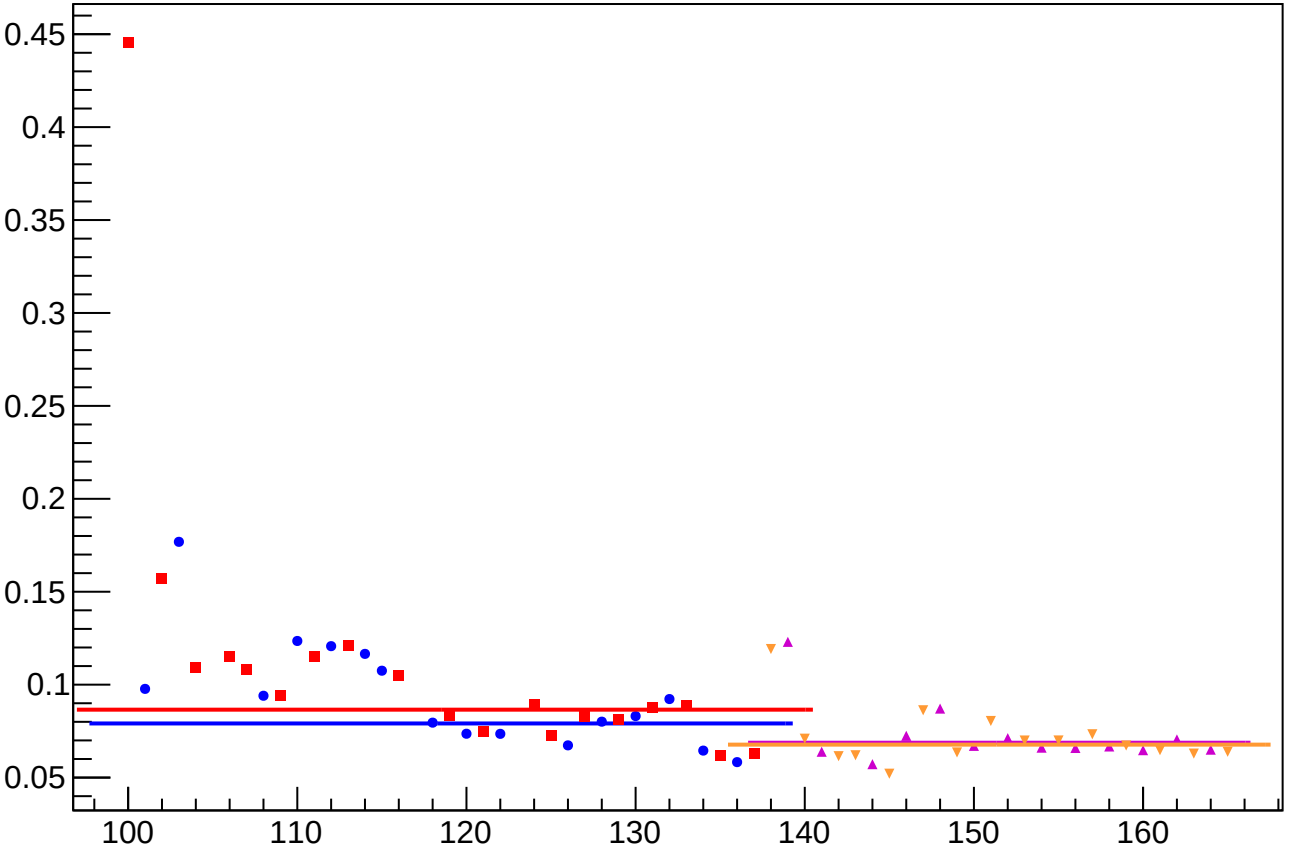
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.031+/-0.000 χ^2/NDF:2344929721.4/28

Out: 15.078+/-0.000 χ^2/NDF:2915476475.5/33

All: 15.055+/-0.000 χ^2/NDF: 5263569894.3/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:536541.7/14

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:472904.9/12

Left: 0.068+/-0.000 χ^2/NDF: 1011603.4/27

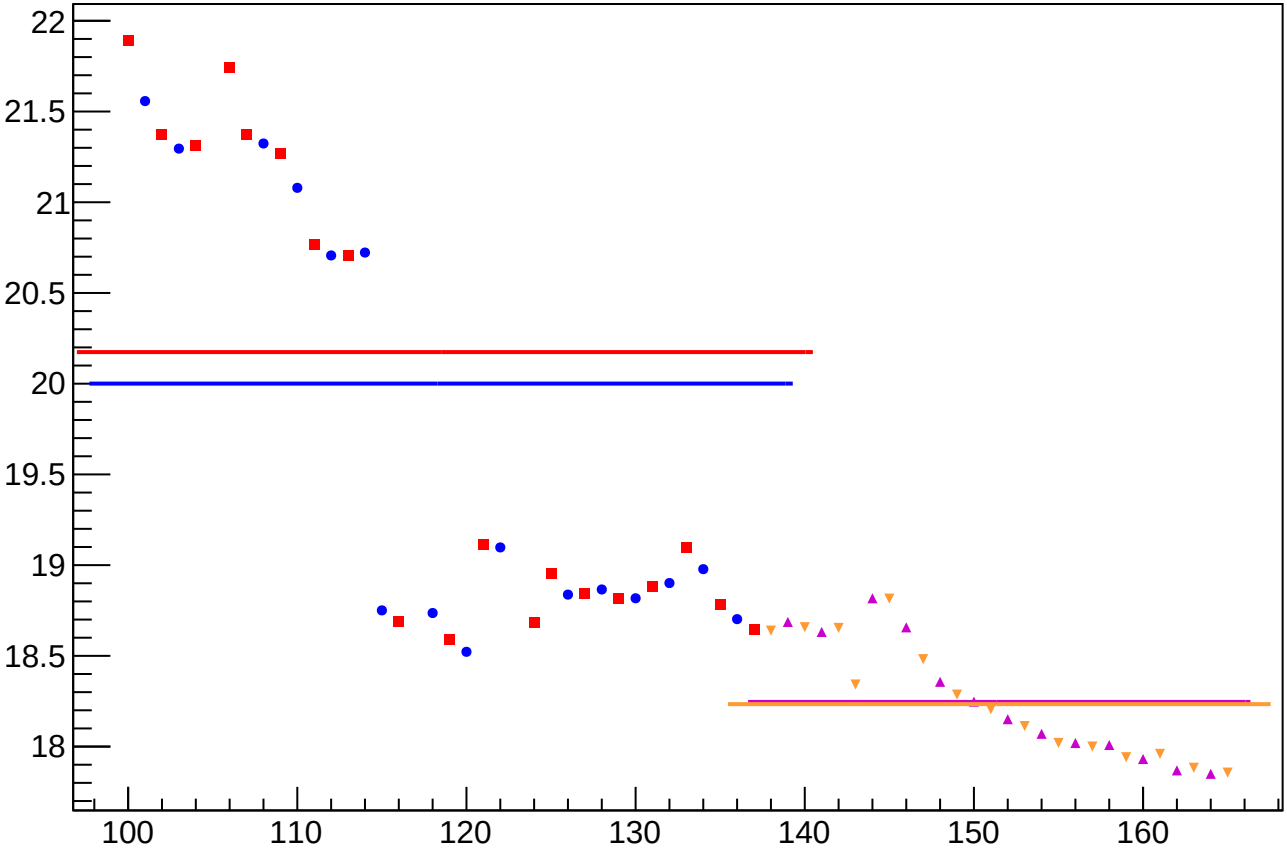
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.072+/-0.000 χ^2/NDF:1527139.6/28

Out: 0.073+/-0.000 χ^2/NDF:1749432.6/33

All: 0.073+/-0.000 χ^2/NDF: 3278550.5/62

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.234+/-0.000 χ^2/NDF:1043401434.1/14

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.246+/-0.000 χ^2/NDF:1019952583.7/12

Left: 18.240+/-0.000 χ^2/NDF: 2064125681.1/27

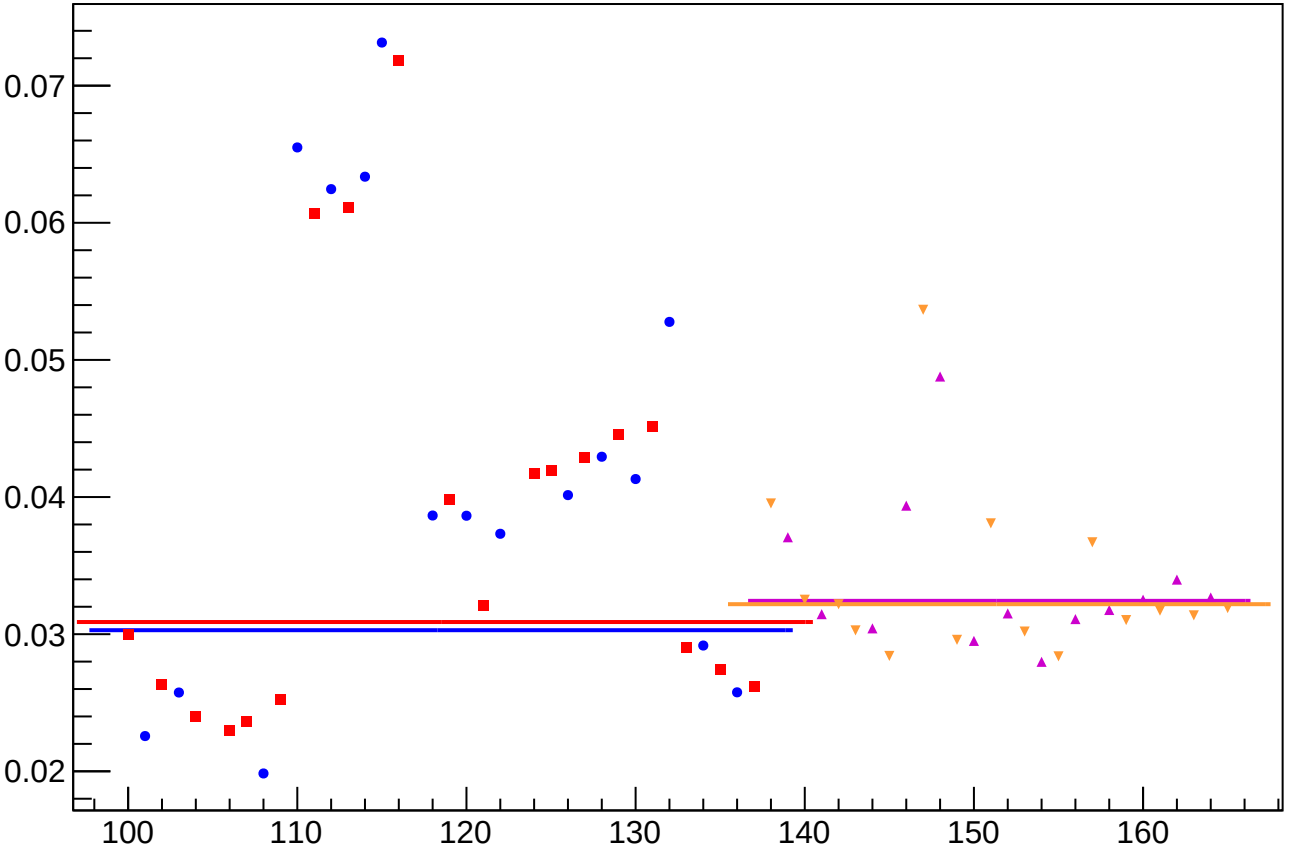
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.945+/-0.000 χ^2/NDF:23937891921.8/28

Out: 18.969+/-0.000 χ^2/NDF:26716843194.0/33

All: 18.957+/-0.000 χ^2/NDF: 50659630569.4

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:454136.1/14

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:332118.9/12

Left: 0.032+/-0.000 χ^2/NDF: 786856.8/27

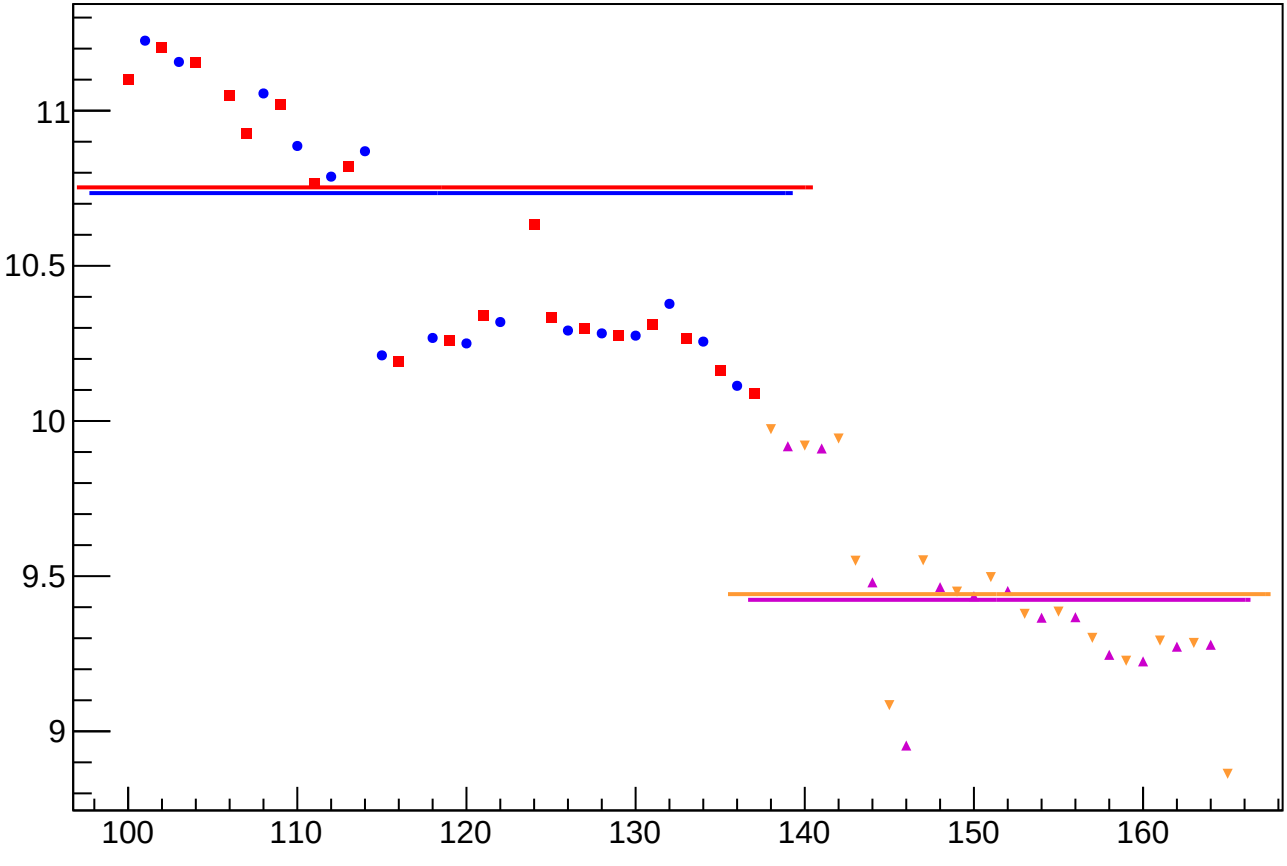
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1815308.9/28

Out: 0.032+/-0.000 χ^2/NDF:1672571.6/33

All: 0.032+/-0.000 χ^2/NDF: 3488108.8/62

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.442+/-0.000 χ^2/NDF:2279115556.1/14

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.424+/-0.000 χ^2/NDF:1356484224.3/12

Left: 9.433+/-0.000 χ^2/NDF: 3639910102.9/27

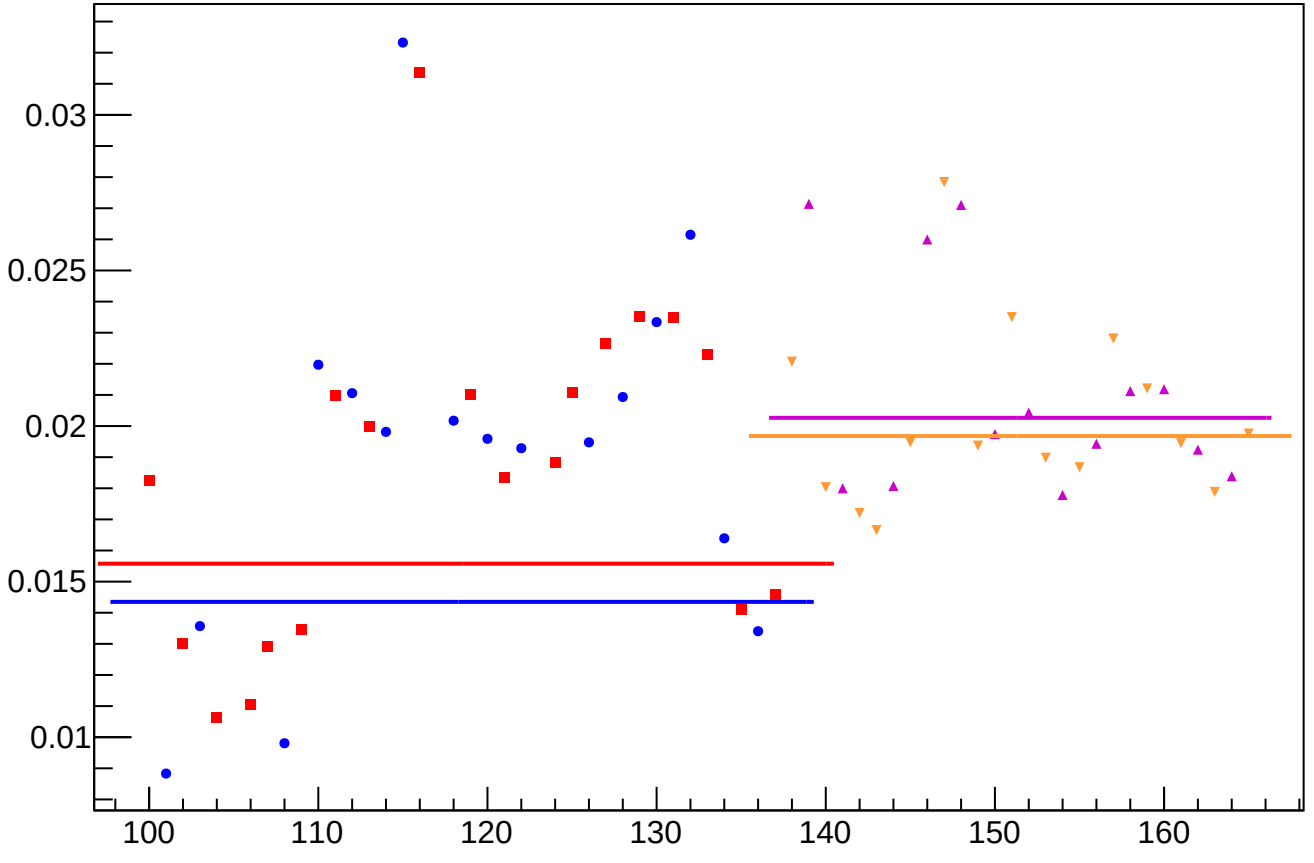
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.124+/-0.000 χ^2/NDF:29333081590.7/28

Out: 10.074+/-0.000 χ^2/NDF:29337358304.4/33

All: 10.098+/-0.000 χ^2/NDF: 58736771933.0

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:330296.4/14

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:391647.5/12

Left: 0.020+/-0.000 χ^2/NDF: 730736.7/27

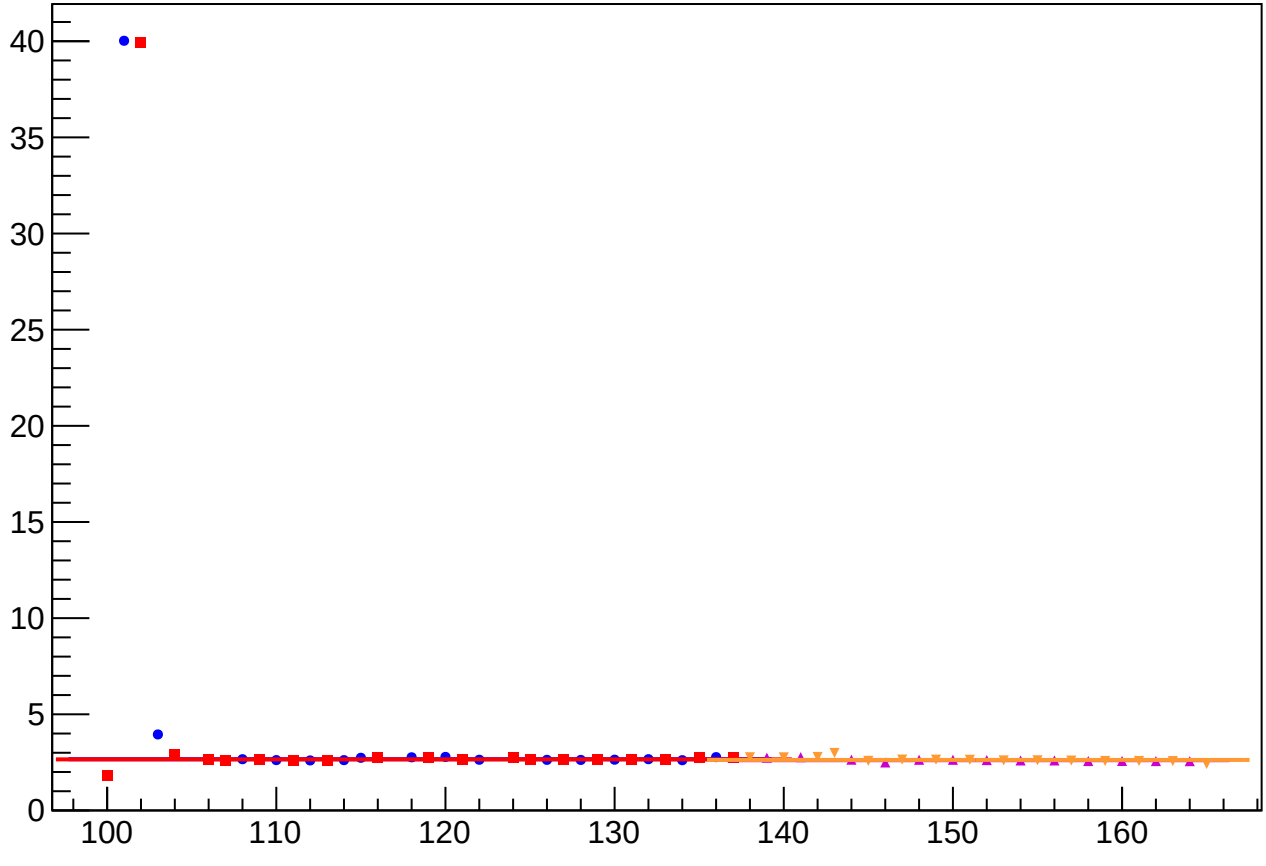
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2773613.3/28

Out: 0.018+/-0.000 χ^2/NDF:1847290.8/33

All: 0.017+/-0.000 χ^2/NDF: 4639613.6/62

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.628+/-0.000 χ^2/NDF:26290356847.3/14

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.614+/-0.000 χ^2/NDF:8651667831.0/12

Left: 2.621+/-0.000 χ^2/NDF: 35114313085.9/27

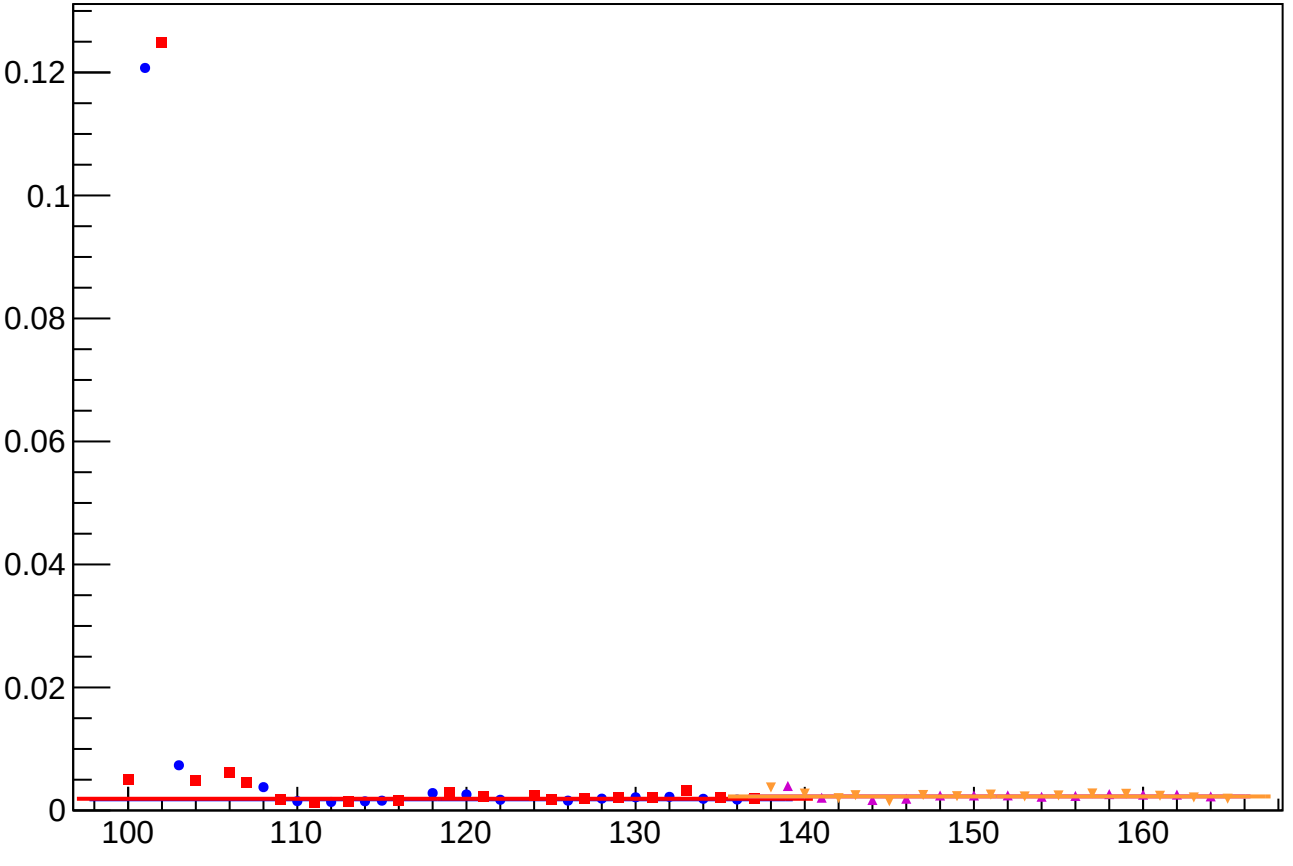
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.637+/-0.000 χ^2/NDF:78440781710.2/28

Out: 2.640+/-0.000 χ^2/NDF:92000826396.6/33

All: 2.639+/-0.000 χ^2/NDF: 170460893402.6

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:786839.3/14

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:606711.3/12

Left: 0.002+/-0.000 χ^2/NDF: 1393689.7/27

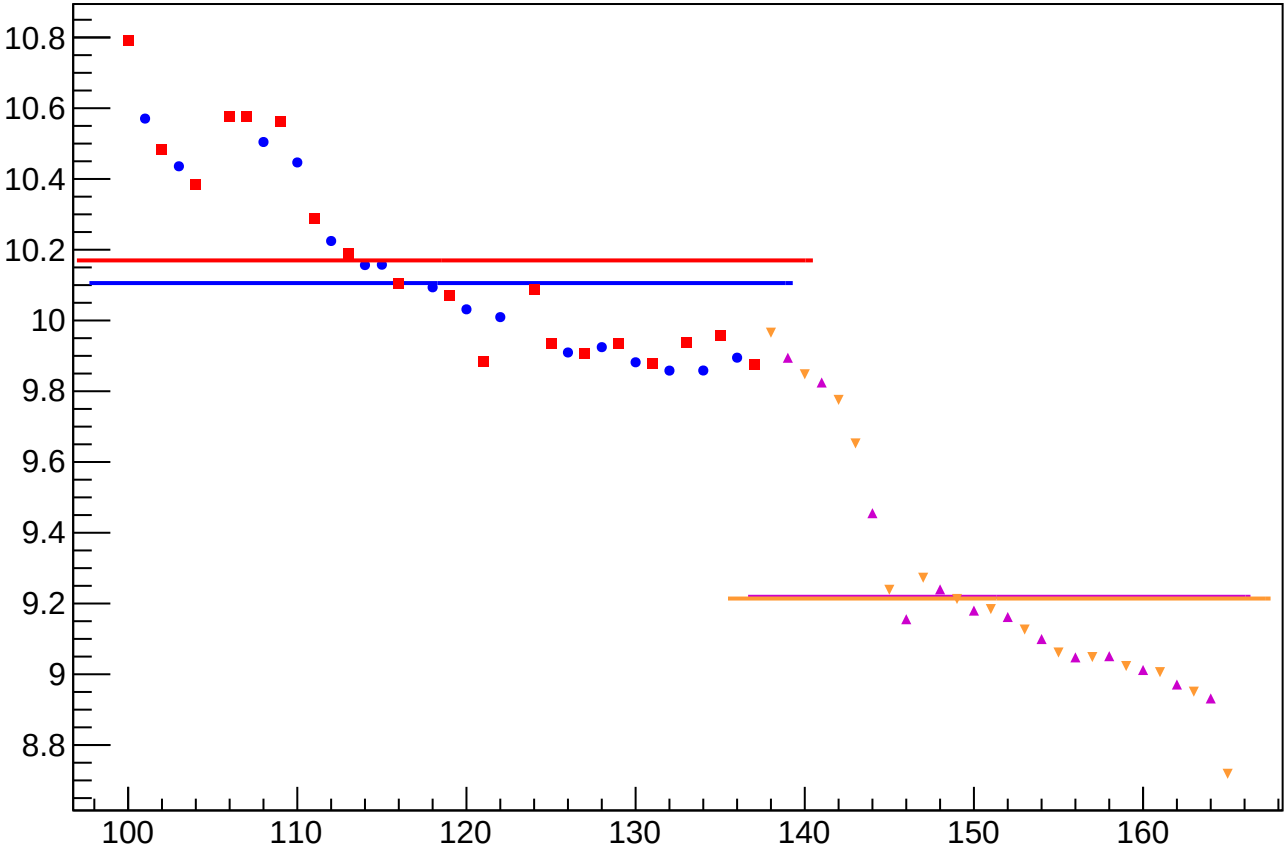
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2775414.6/28

Out: 0.002+/-0.000 χ^2/NDF:3538317.6/33

All: 0.002+/-0.000 χ^2/NDF: 6319817.3/62

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.214+/-0.000 χ^2/NDF:21642780263.1/14

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.219+/-0.000 χ^2/NDF:15075498949.1/12

Left: 9.216+/-0.000 χ^2/NDF: 36721046934.2/27

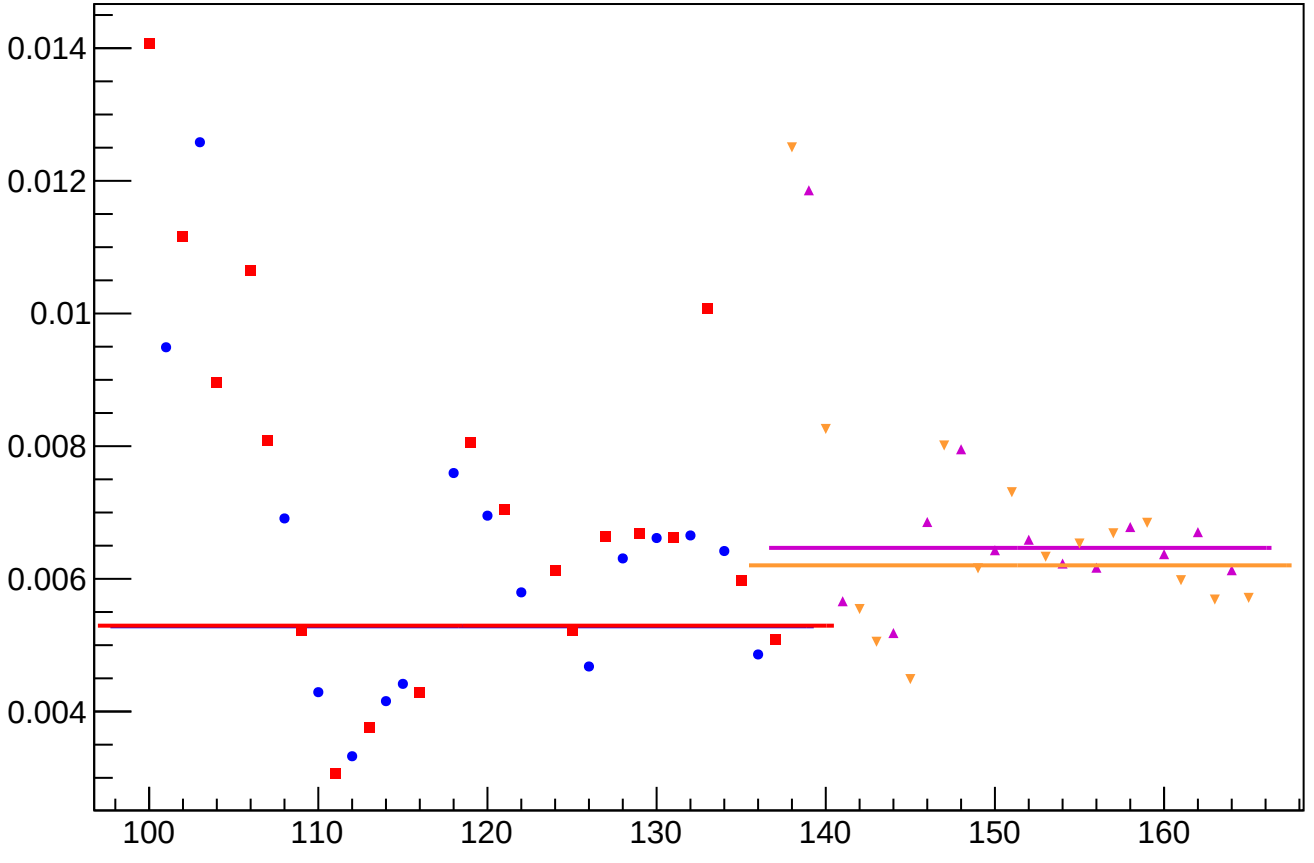
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.644+/-0.000 χ^2/NDF:103398287283.9/28

Out: 9.643+/-0.000 χ^2/NDF:129828206350.0/33

All: 9.644+/-0.000 χ^2/NDF: 233226585263.5

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:825191.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:500356.7/12

Left: 0.006+/-0.000 χ^2/NDF: 1341113.5/27

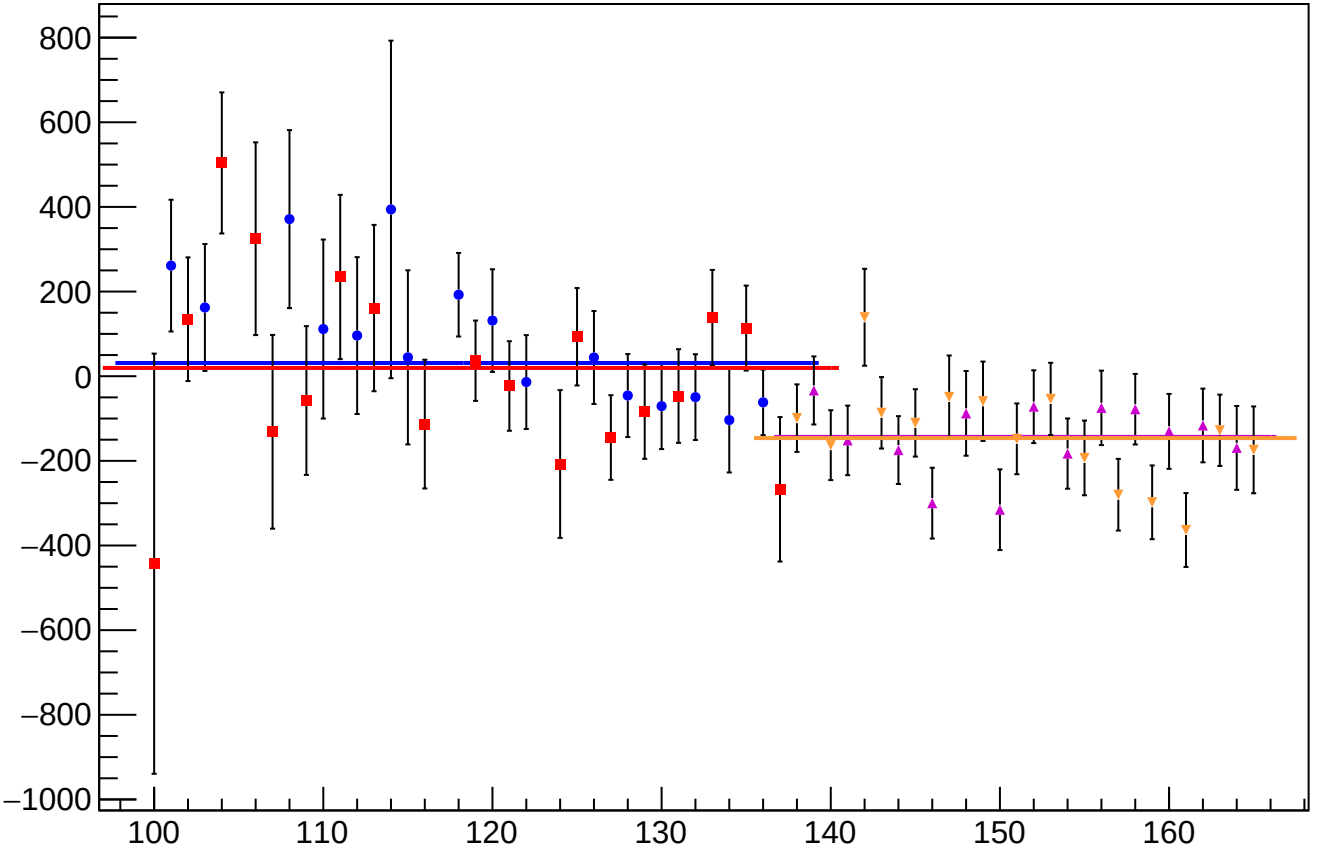
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2056025.6/28

Out: 0.006+/-0.000 χ^2/NDF:2796835.1/33

All: 0.006+/-0.000 χ^2/NDF: 4857503.7/62

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.172+/-22.686 χ^2/NDF:22.5/14

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -143.433+/-24.070 χ^2/NDF:11.4/12

Left: -144.883+/-16.509 χ^2/NDF: 33.9/27

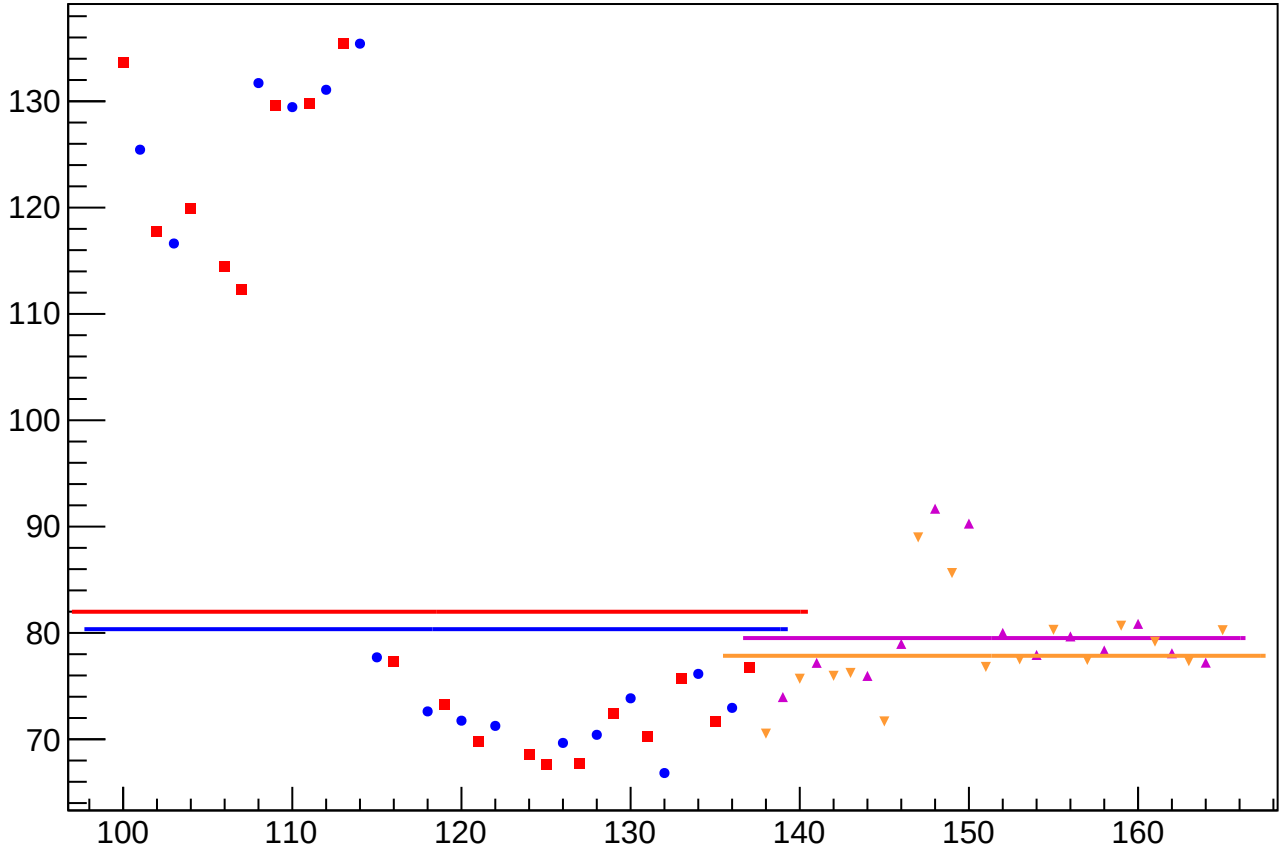
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -77.162+/-18.962 χ^2/NDF:46.5/28

Out: -88.507+/-18.320 χ^2/NDF:66.9/33

All: -83.030+/-13.175 χ^2/NDF: 113.6/62

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

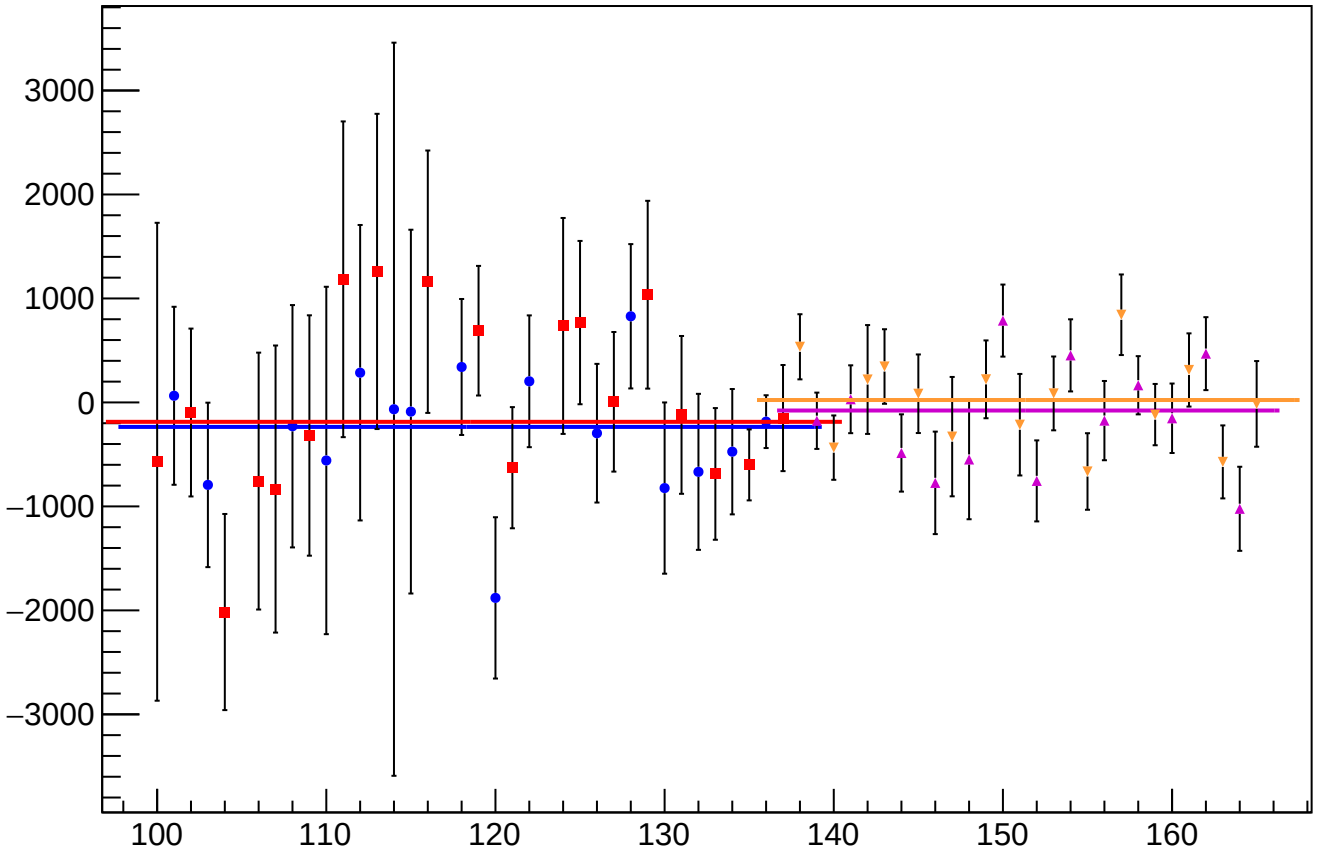
Left: 78.635+/-0.012 χ^2/NDF: 155282.1/27

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.835+/-0.013 χ^2/NDF:914439.5/28

Out: 79.292+/-0.013 χ^2/NDF:1032258.0/33

All: 79.554+/-0.009 χ^2/NDF: 1947544.7/62



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.135+/-95.785 χ^2/NDF:18.5/14

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -77.786+/-98.299 χ^2/NDF:24.5/12

Left: -26.018+/-68.602 χ^2/NDF: 43.5/27

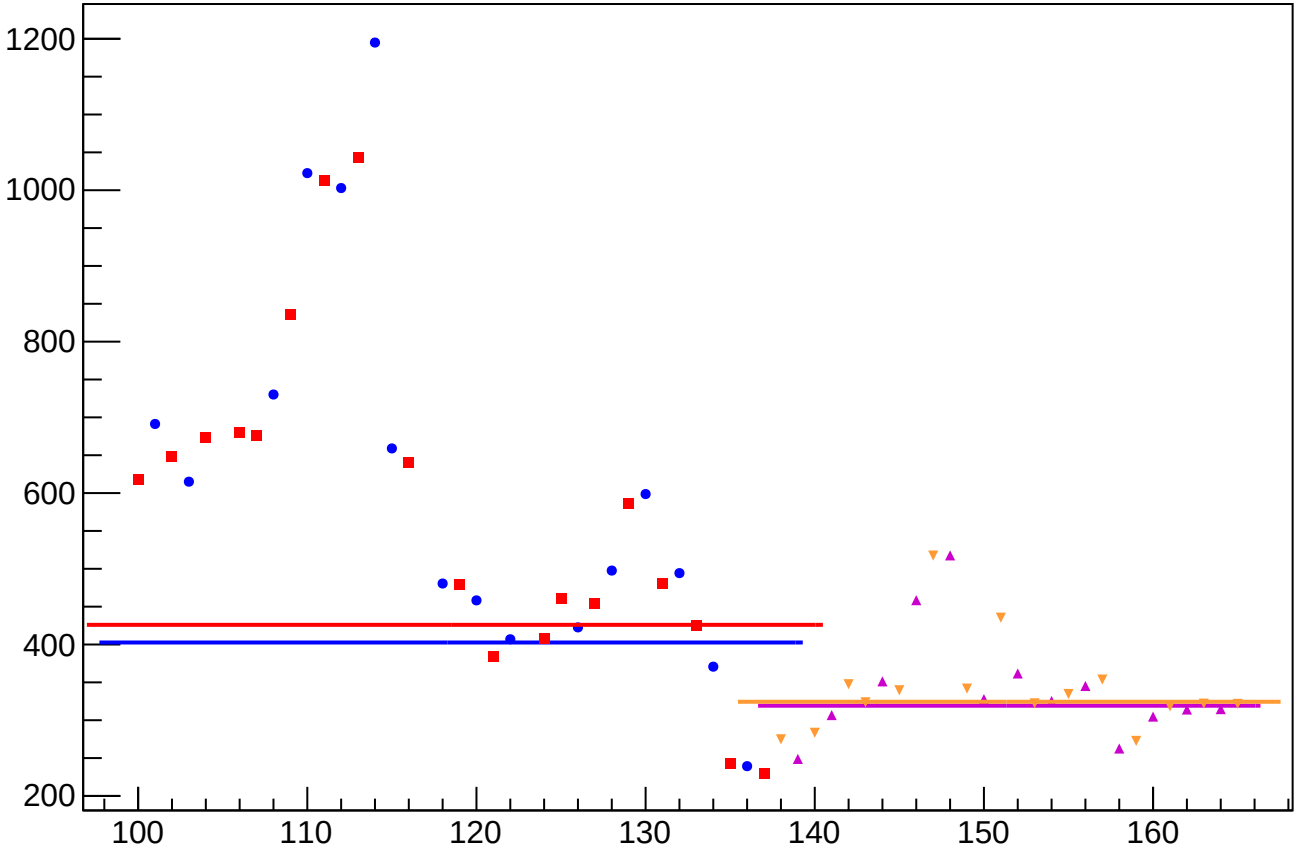
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -119.564+/-84.282 χ^2/NDF:35.1/28

Out: -27.231+/-83.497 χ^2/NDF:35.6/33

All: -72.966+/-59.317 χ^2/NDF: 71.3/62

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.387+/-0.068 χ^2/NDF:501735.9/14

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 319.163+/-0.070 χ^2/NDF:672099.6/12

Left: 321.843+/-0.049 χ^2/NDF: 1176733.0/27

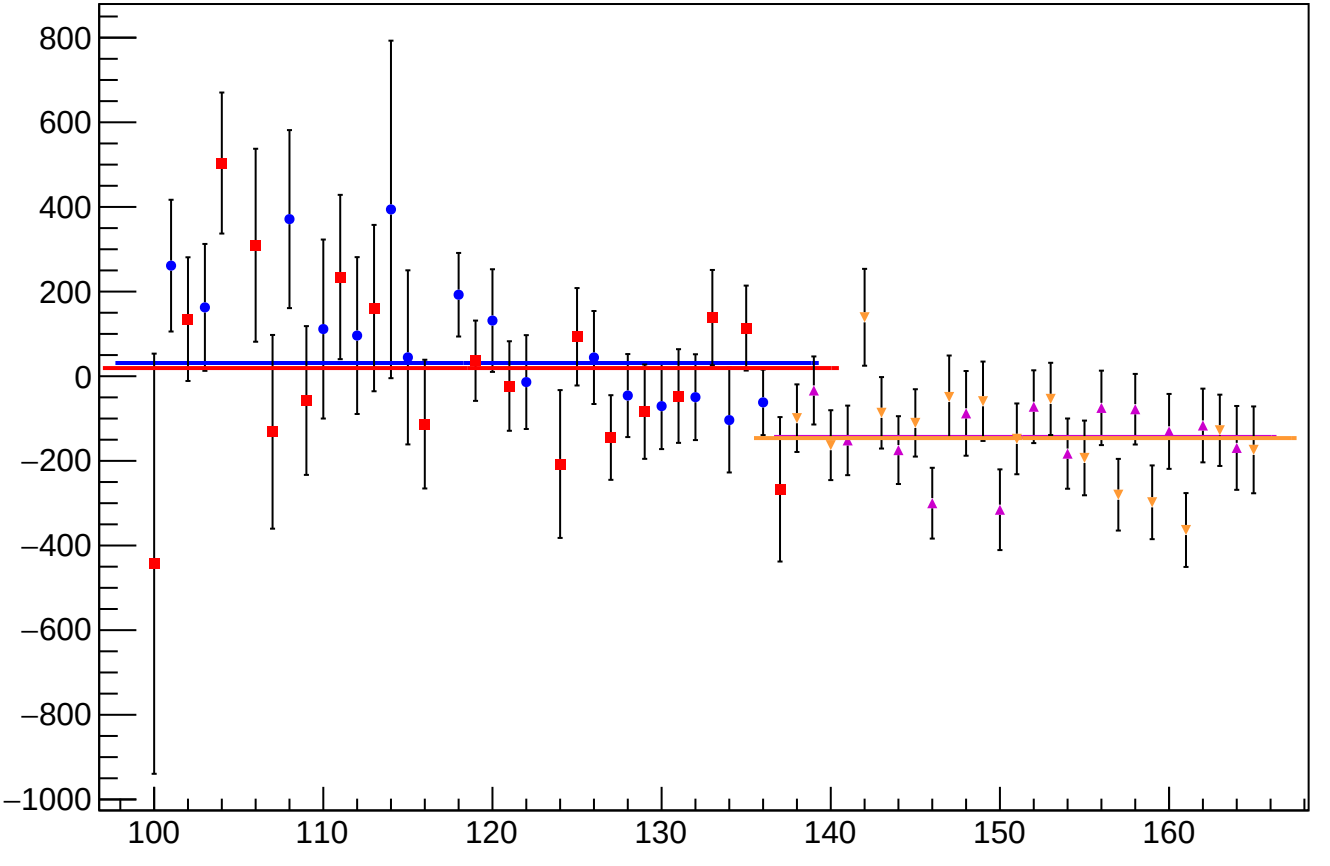
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 341.278+/-0.060 χ^2/NDF:3414371.8/28

Out: 348.782+/-0.059 χ^2/NDF:3410768.1/33

All: 345.065+/-0.042 χ^2/NDF: 6833140.6/62

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.168+/-22.686 χ^2/NDF:22.5/14

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -143.436+/-24.070 χ^2/NDF:11.4/12

Left: -144.883+/-16.509 χ^2/NDF: 33.9/27

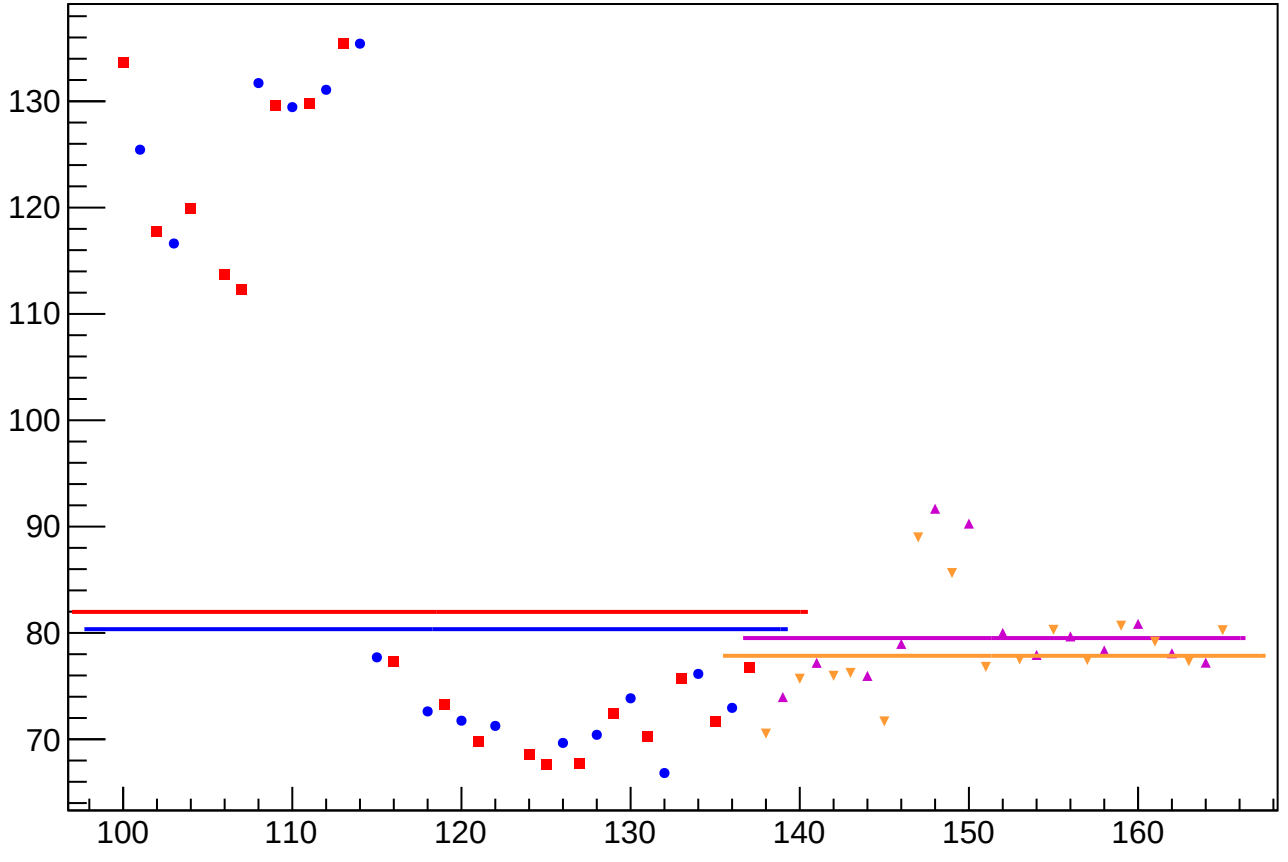
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -77.161+/-18.962 χ^2/NDF:46.5/28

Out: -88.608+/-18.320 χ^2/NDF:66.7/33

All: -83.082+/-13.175 χ^2/NDF: 113.4/62

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

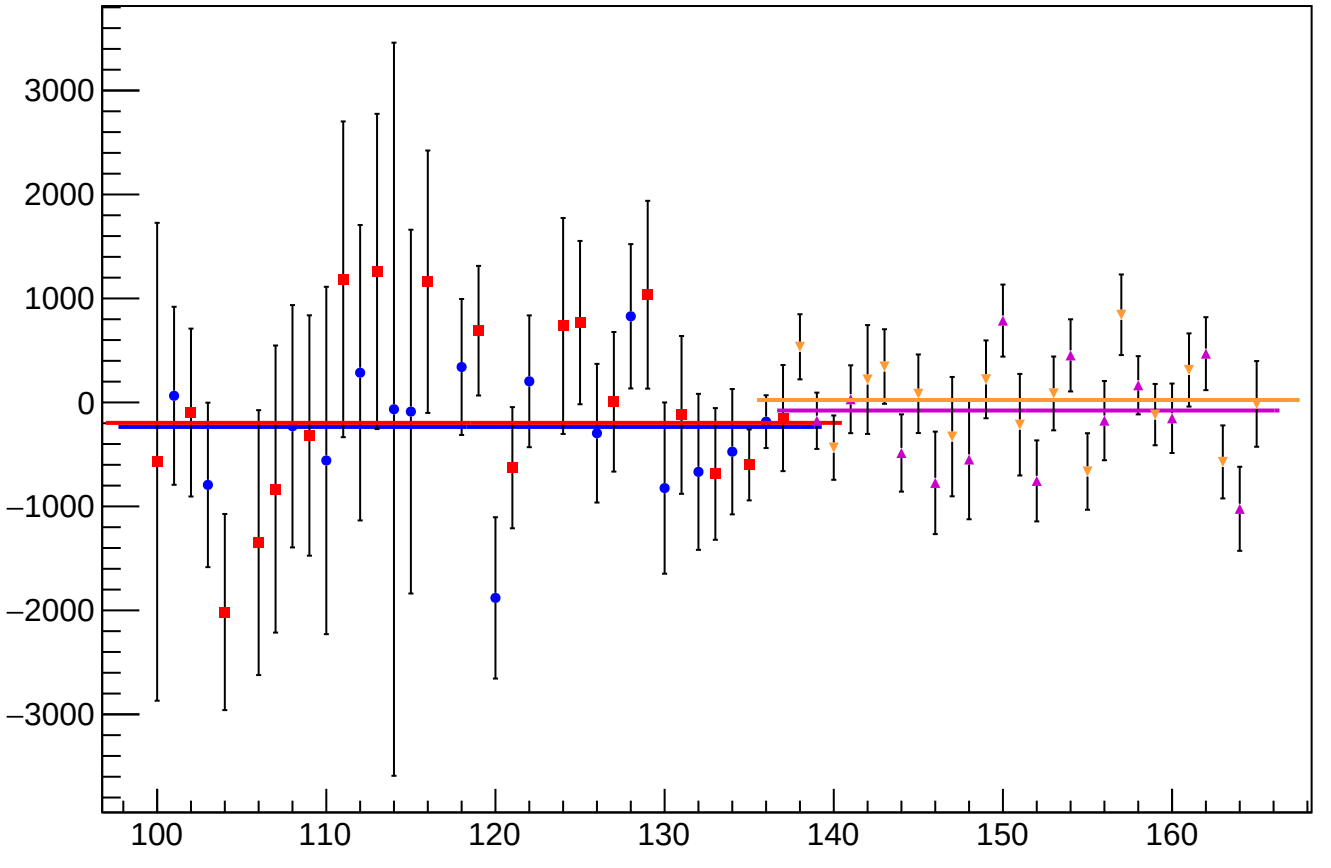
Left: 78.635+/-0.012 χ^2/NDF: 155282.1/27

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.835+/-0.013 χ^2/NDF:914439.7/28

Out: 79.287+/-0.013 χ^2/NDF:1030217.8/33

All: 79.551+/-0.009 χ^2/NDF: 1945521.2/62



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.137+/-95.785 χ^2/NDF:18.5/14

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -77.791+/-98.300 χ^2/NDF:24.5/12

Left: -26.020+/-68.602 χ^2/NDF: 43.5/27

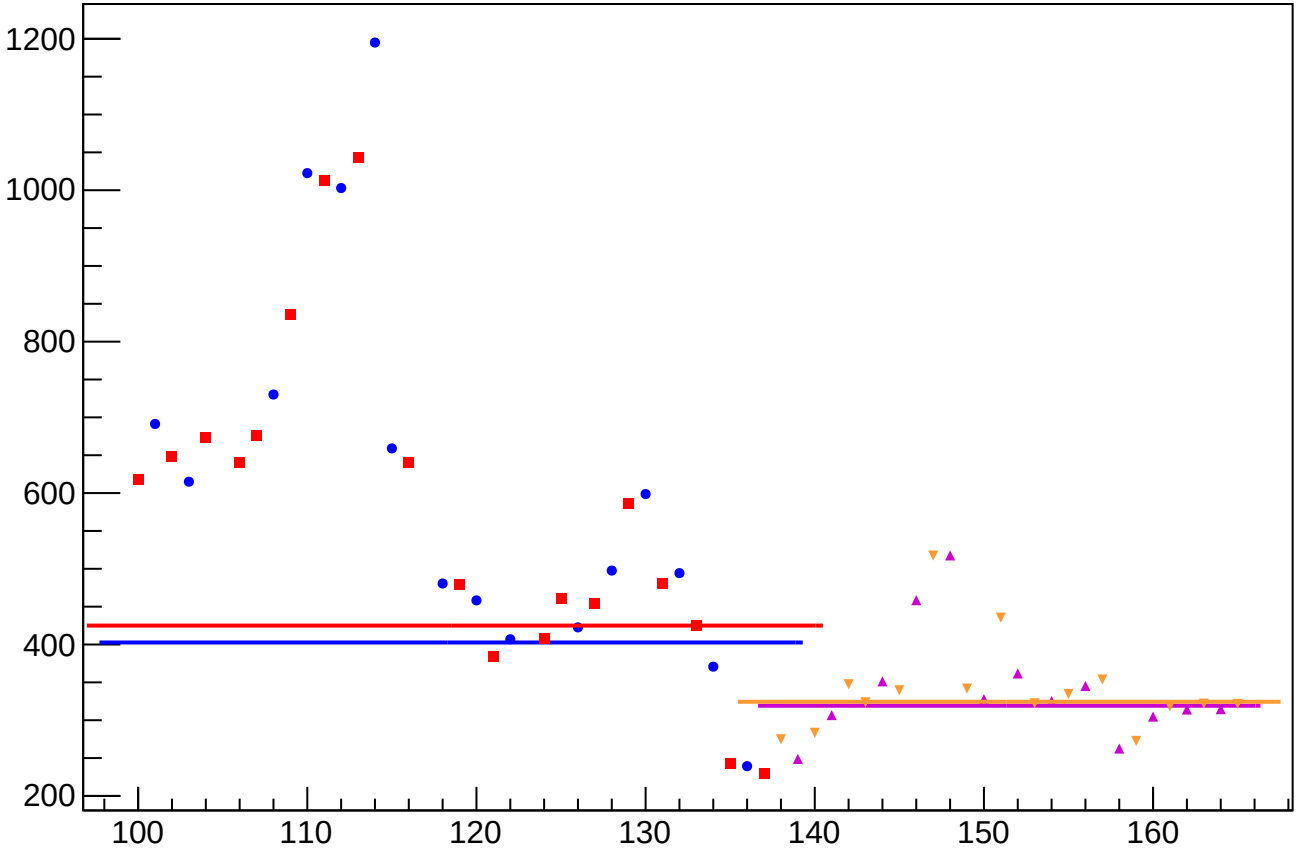
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -119.568+/-84.282 χ^2/NDF:35.1/28

Out: -29.576+/-83.508 χ^2/NDF:36.3/33

All: -74.157+/-59.321 χ^2/NDF: 72.0/62

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.387+/-0.068 χ^2/NDF:501743.1/14

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

Left: 321.843+/-0.049 χ^2/NDF: 1176740.4/27

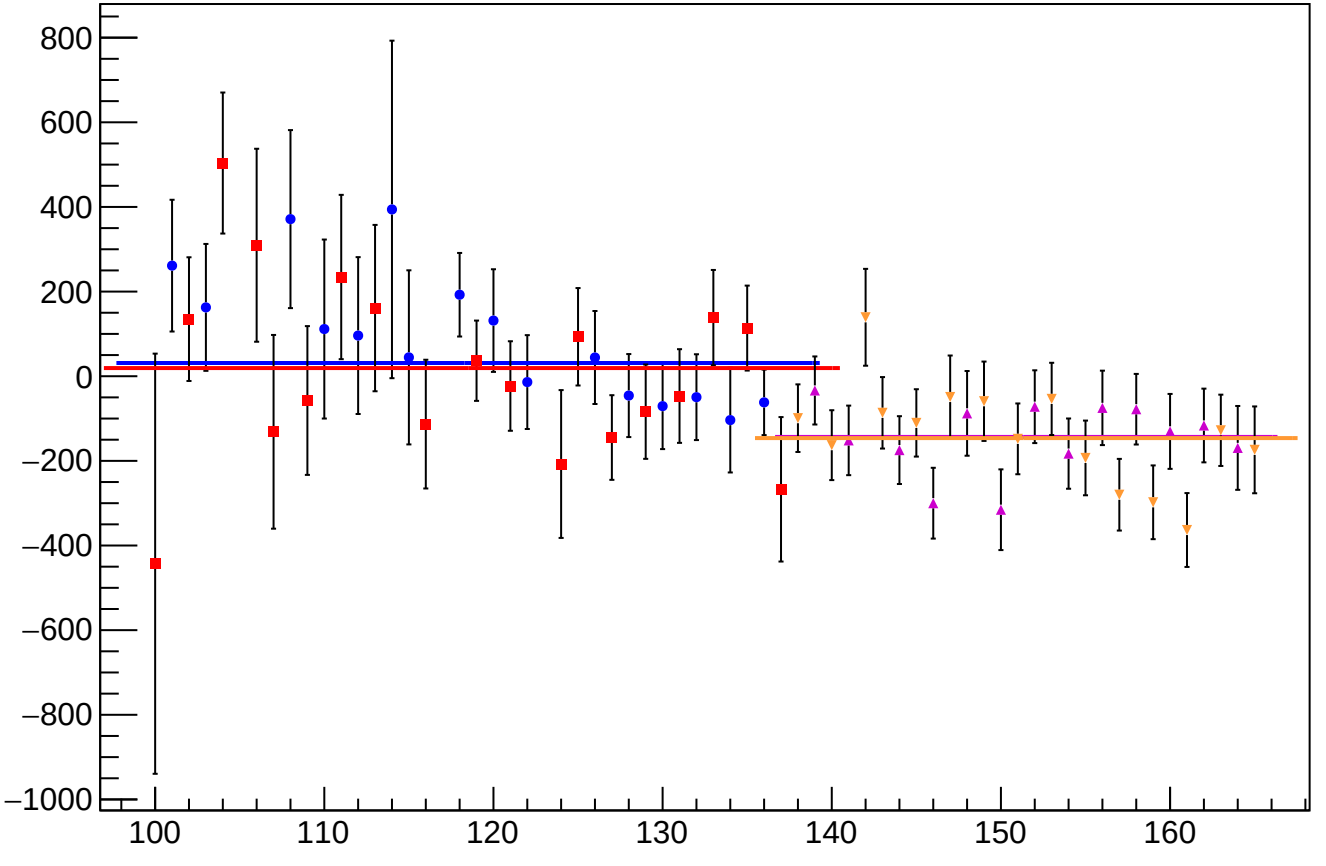
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.279+/-0.060 χ^2/NDF:3414367.5/28

Out: 348.523+/-0.059 χ^2/NDF:3372050.7/33

All: 344.934+/-0.042 χ^2/NDF: 6793873.8/62

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.168+/-22.686 χ^2/NDF:22.5/14

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -143.436+/-24.070 χ^2/NDF:11.4/12

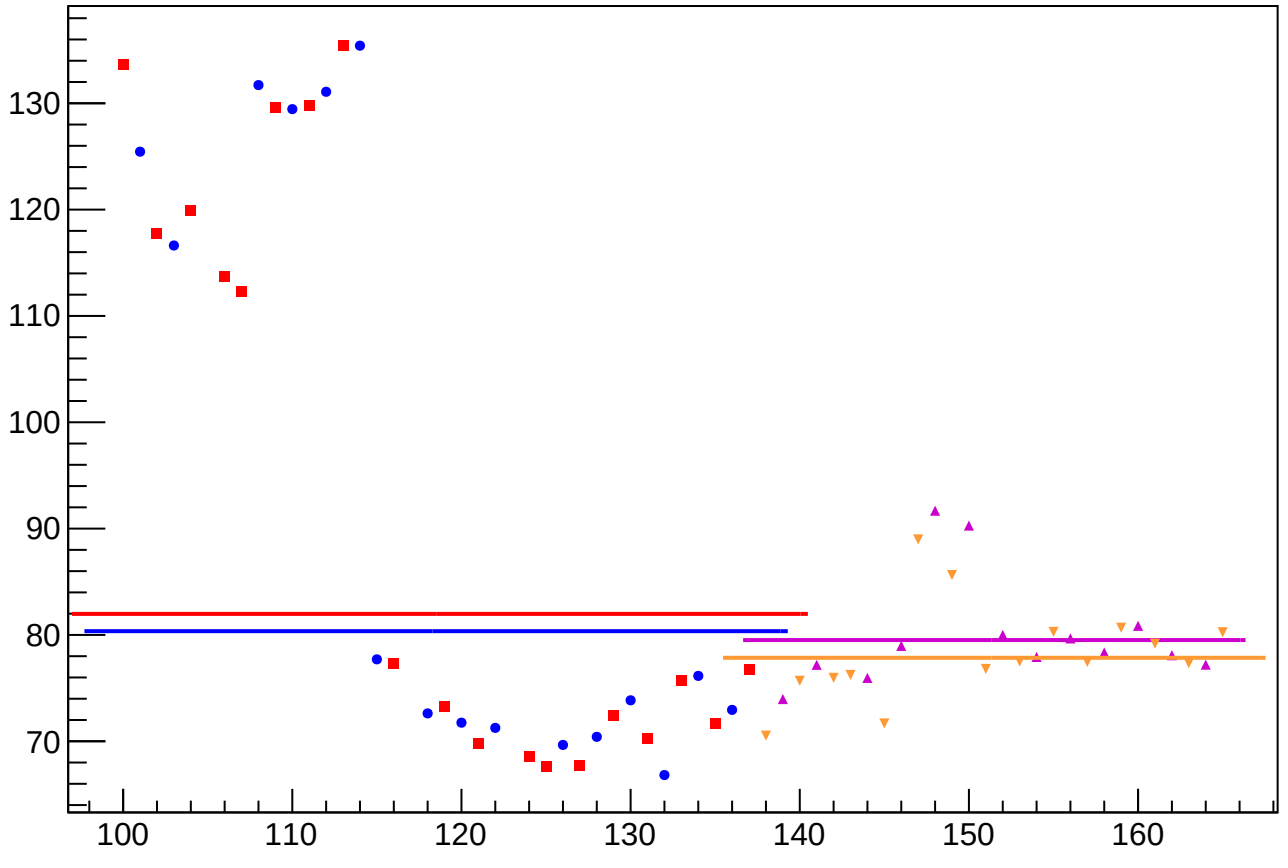
Left: -144.883+/-16.509 χ^2/NDF: 33.9/27

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -77.161+/-18.962 χ^2/NDF:46.5/28

Out: -88.608+/-18.320 χ^2/NDF:66.7/33

All: -83.082+/-13.175 χ^2/NDF: 113.4/62



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

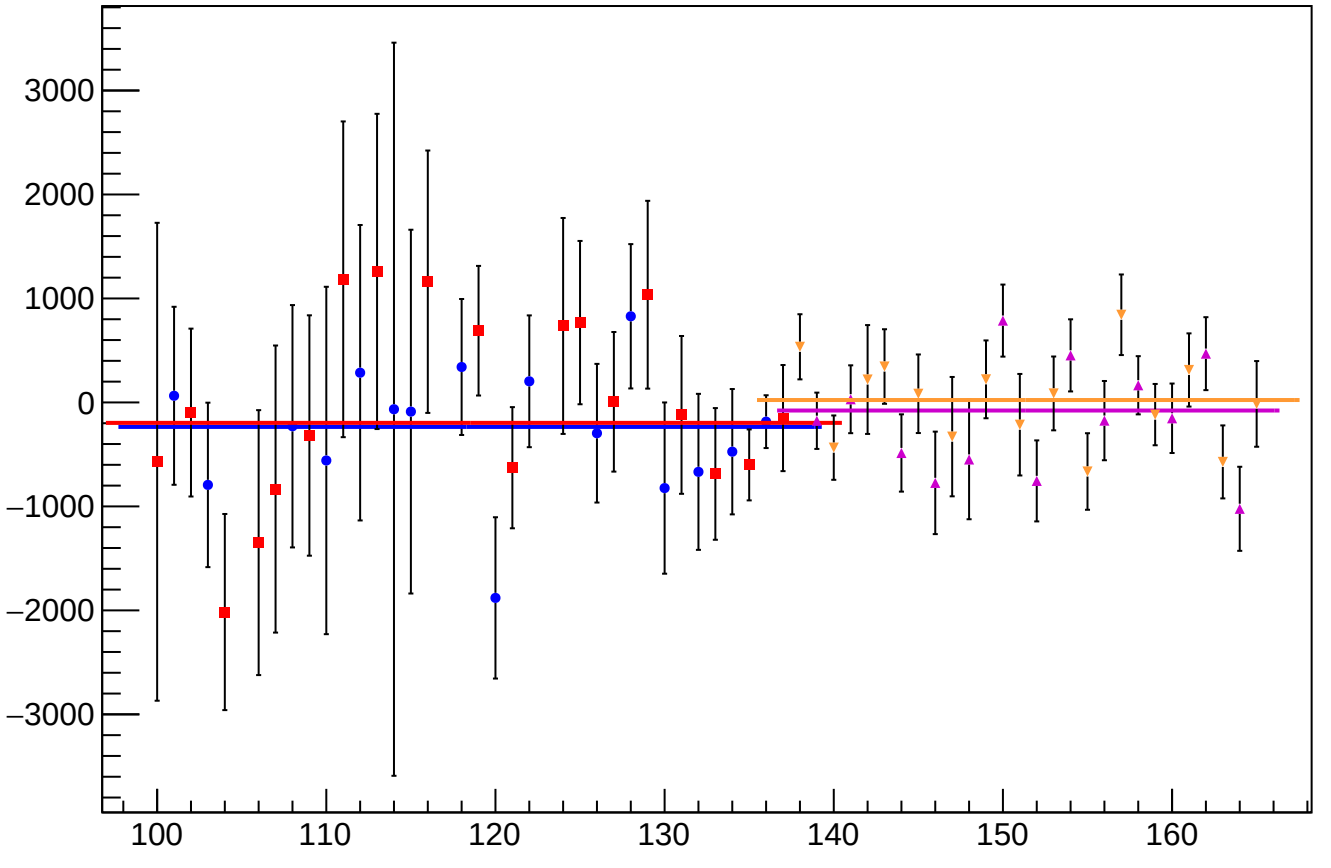
Left: 78.635+/-0.012 χ^2/NDF: 155282.1/27

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.835+/-0.013 χ^2/NDF:914439.7/28

Out: 79.287+/-0.013 χ^2/NDF:1030217.8/33

All: 79.551+/-0.009 χ^2/NDF: 1945521.2/62



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.137+/-95.785 χ^2/NDF:18.5/14

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -77.791+/-98.300 χ^2/NDF:24.5/12

Left: -26.020+/-68.602 χ^2/NDF: 43.5/27

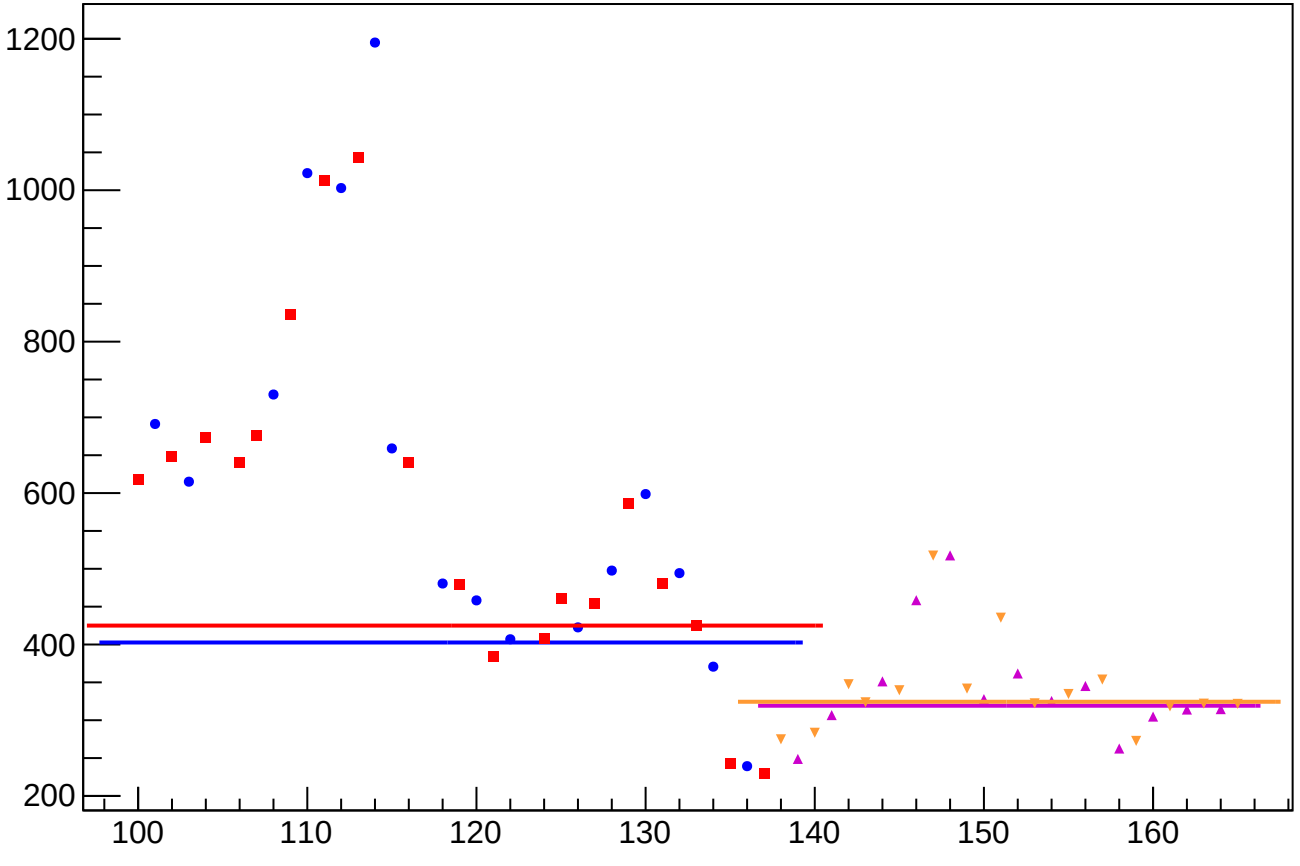
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -119.568+/-84.282 χ^2/NDF:35.1/28

Out: -29.576+/-83.508 χ^2/NDF:36.3/33

All: -74.157+/-59.321 χ^2/NDF: 72.0/62

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.387+/-0.068 χ^2/NDF:501743.1/14

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

Left: 321.843+/-0.049 χ^2/NDF: 1176740.4/27

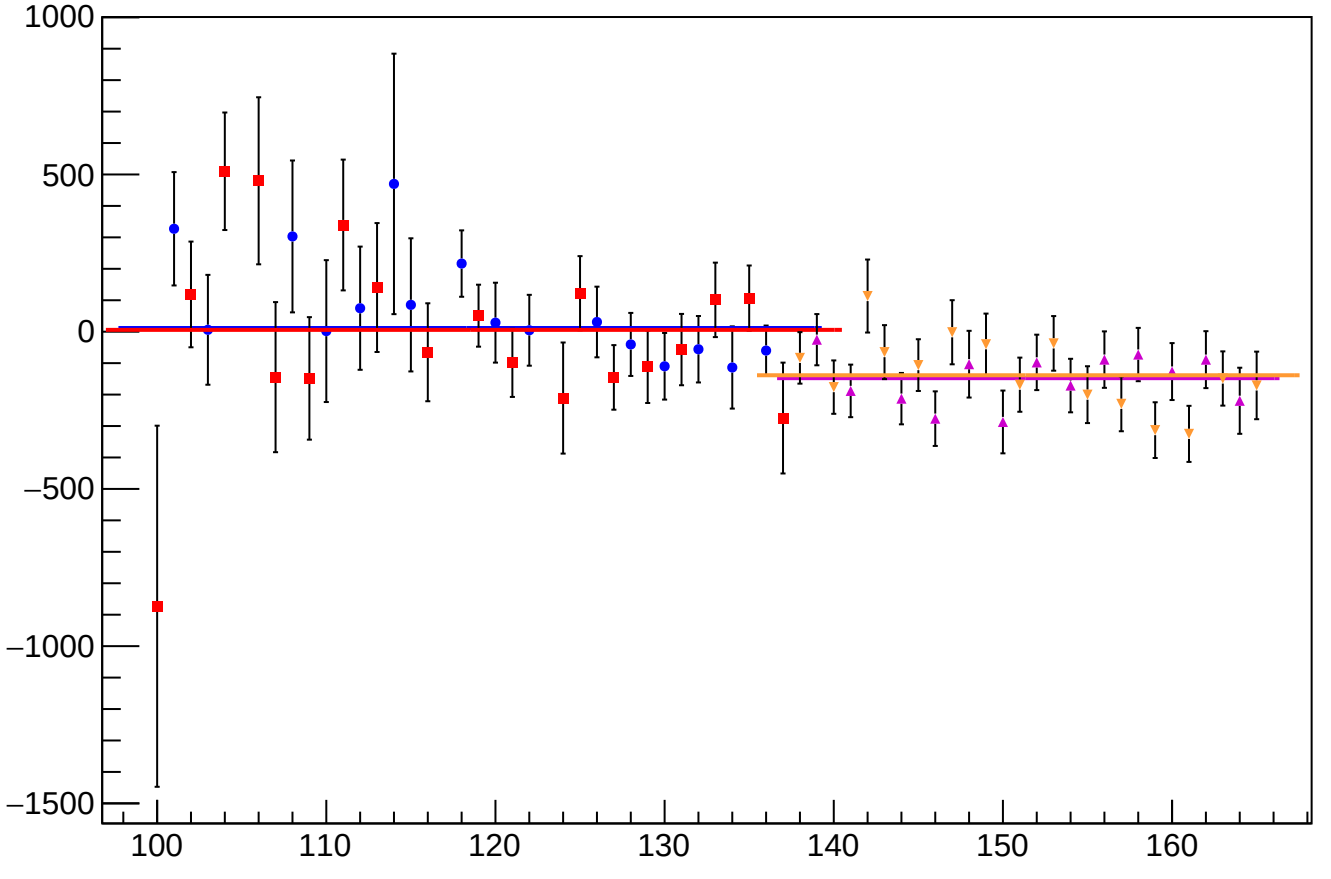
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.279+/-0.060 χ^2/NDF:3414367.5/28

Out: 348.523+/-0.059 χ^2/NDF:3372050.7/33

All: 344.934+/-0.042 χ^2/NDF: 6793873.8/62

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -138.524+/-23.296 χ^2/NDF:20.5/14

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.761+/-24.769 χ^2/NDF:10.0/12

Left: -142.860+/-16.969 χ^2/NDF: 30.5/27

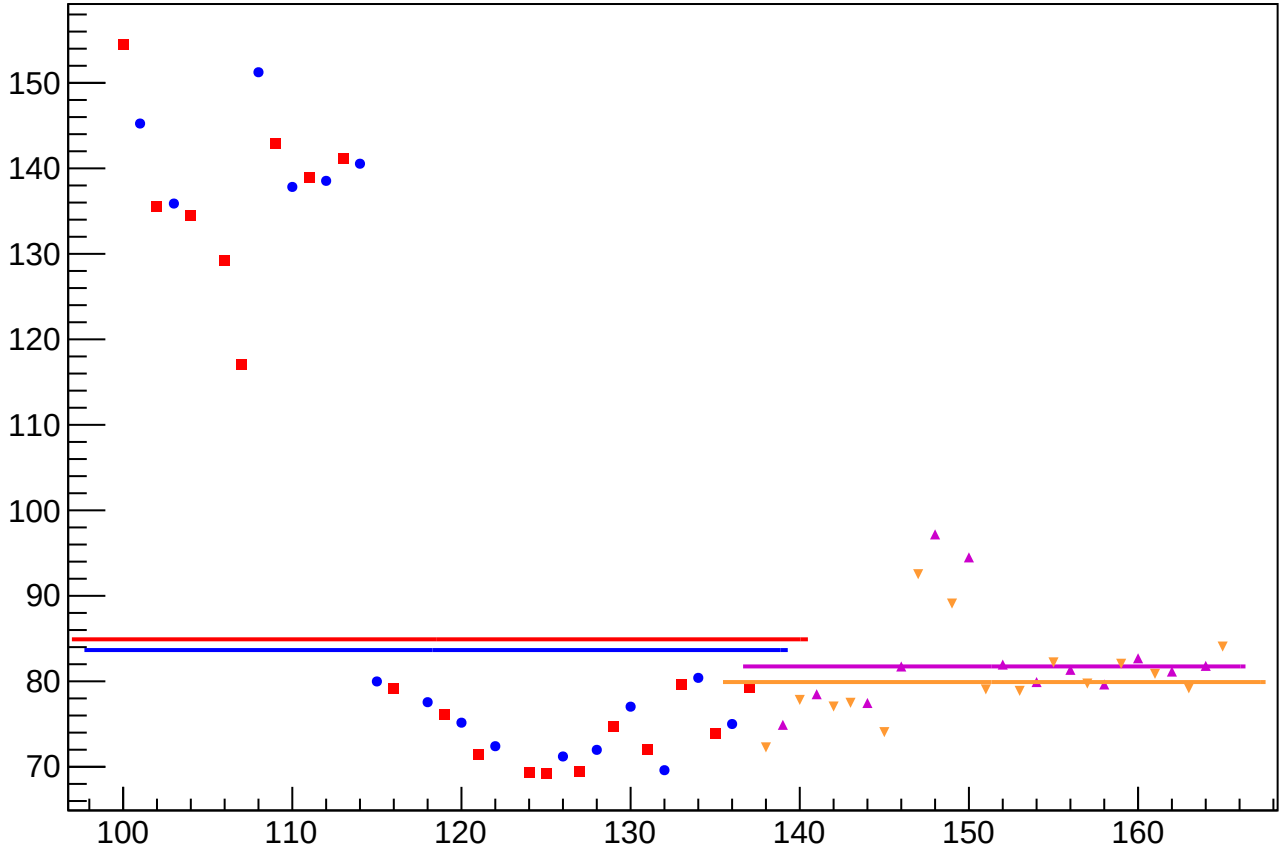
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -88.726+/-19.654 χ^2/NDF:38.9/28

Out: -89.420+/-18.923 χ^2/NDF:62.3/33

All: -89.087+/-13.632 χ^2/NDF: 101.2/62

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.914+/-0.016 χ^2/NDF:86245.3/14

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.742+/-0.018 χ^2/NDF:100127.3/12

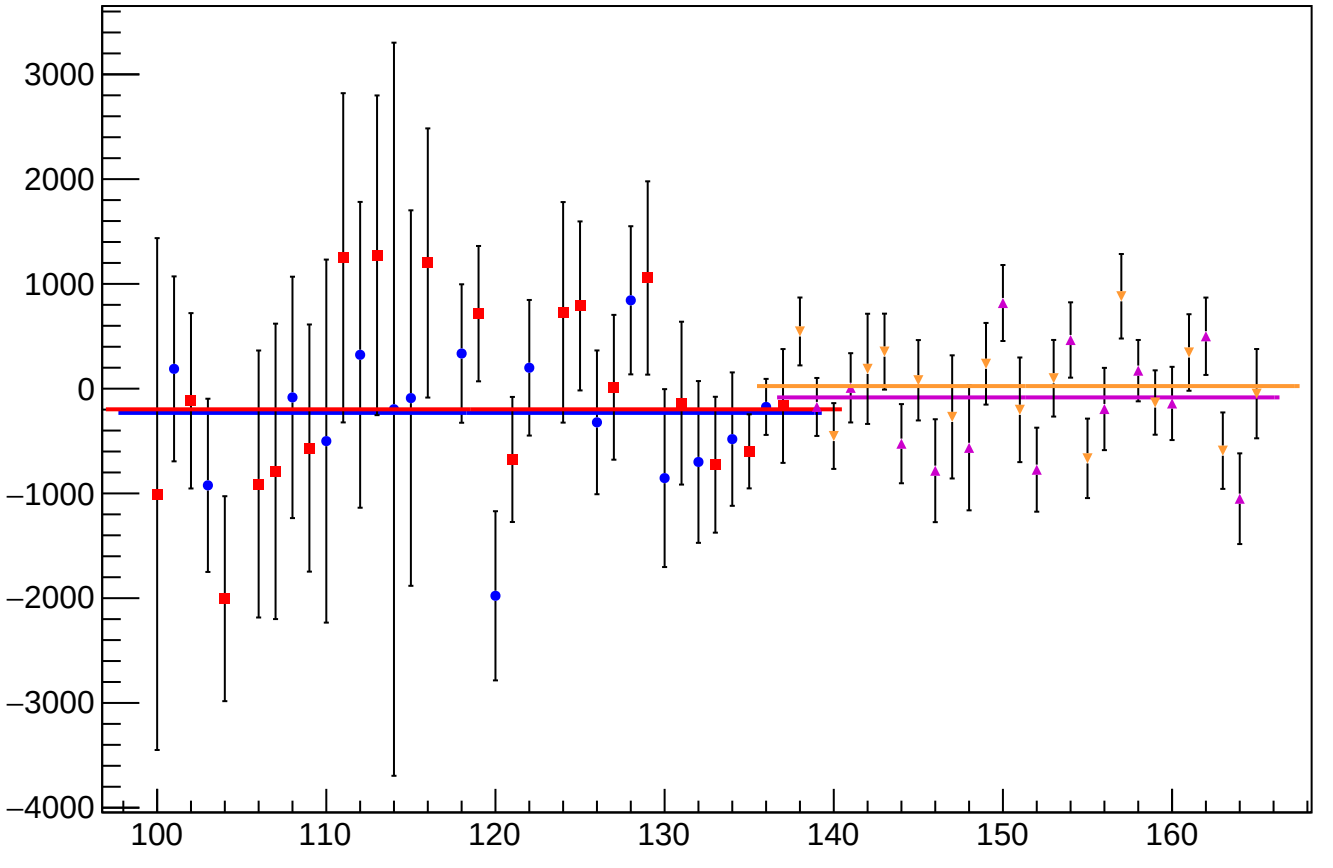
Left: 80.772+/-0.012 χ^2/NDF: 192151.6/27

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.451+/-0.014 χ^2/NDF:1139349.0/28

Out: 81.615+/-0.013 χ^2/NDF:1239239.9/33

All: 82.017+/-0.010 χ^2/NDF: 2380468.7/62



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.502+/-98.603 χ^2/NDF:18.4/14

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -83.450+/-101.676 χ^2/NDF:24.0/12

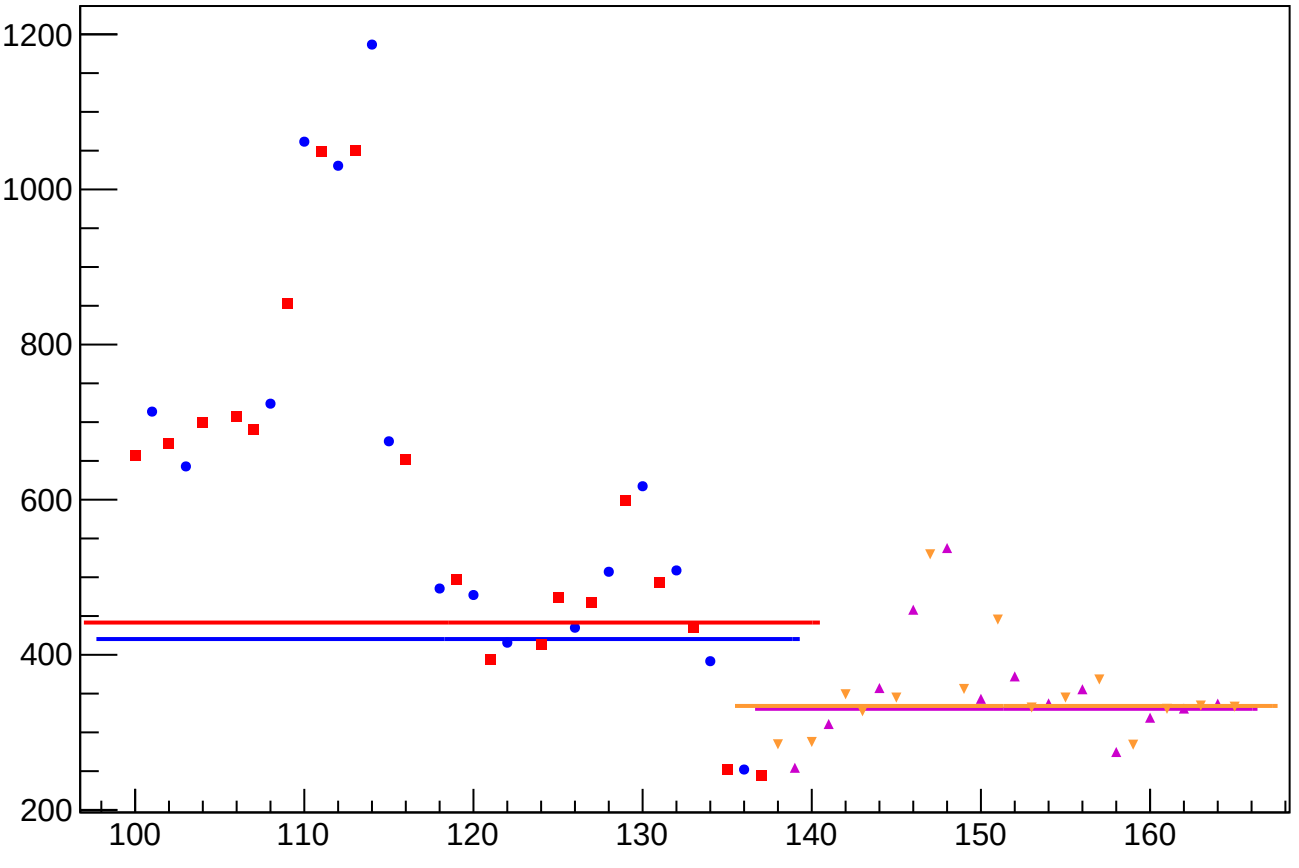
Left: -27.818+/-70.784 χ^2/NDF: 43.0/27

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -122.387+/-87.278 χ^2/NDF:35.0/28

Out: -28.420+/-86.033 χ^2/NDF:35.5/33

All: -74.729+/-61.270 χ^2/NDF: 71.1/62



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.080+/-0.070 χ^2/NDF:490372.5/14

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 330.386+/-0.072 χ^2/NDF:652904.4/12

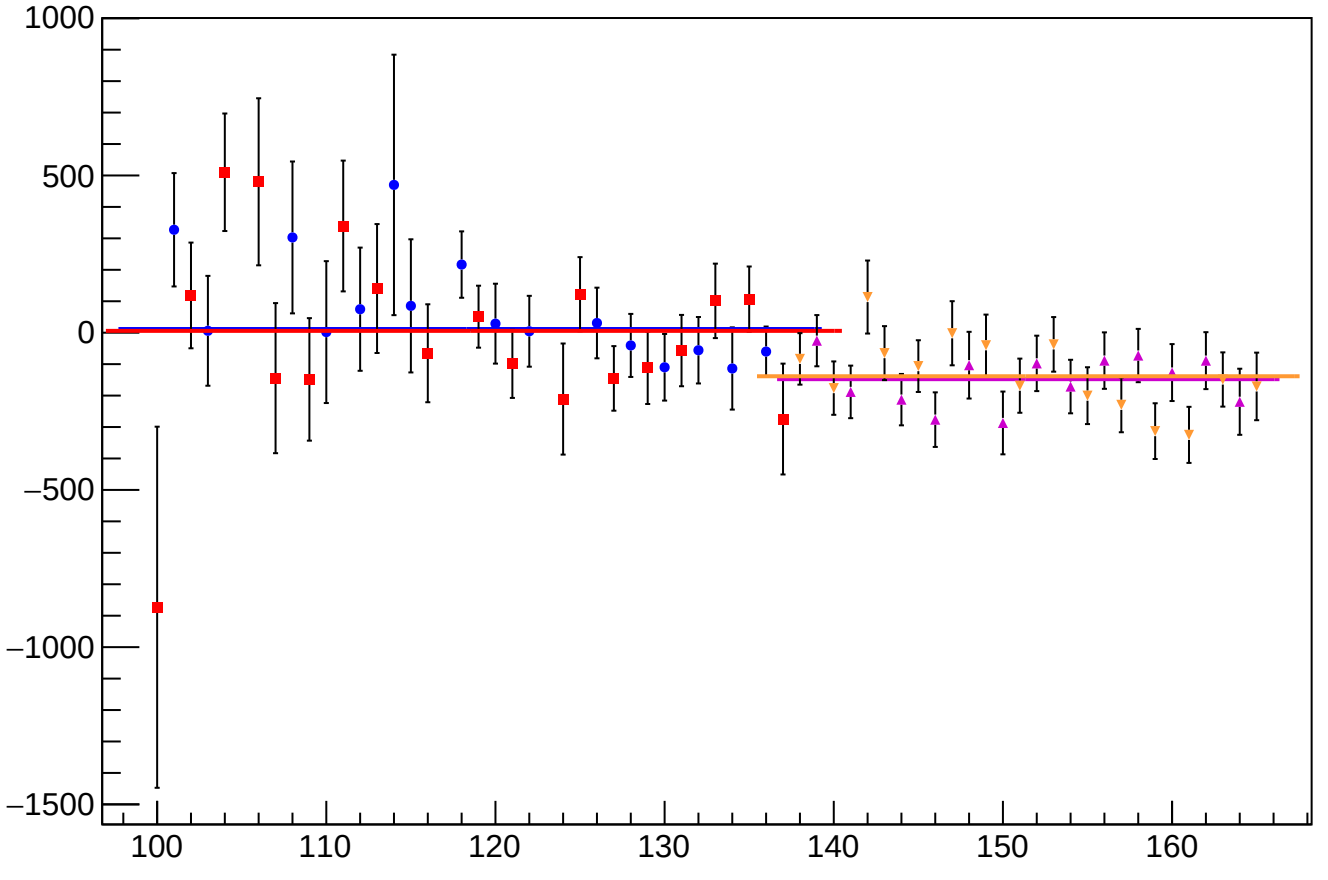
Left: 332.290+/-0.050 χ^2/NDF: 1144637.2/27

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 354.056+/-0.062 χ^2/NDF:3319383.3/28

Out: 359.745+/-0.061 χ^2/NDF:3365595.2/33

All: 356.941+/-0.043 χ^2/NDF: 6689287.6/62



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -138.523+/-23.296 χ^2/NDF:20.5/14

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.762+/-24.769 χ^2/NDF:10.0/12

Left: -142.859+/-16.969 χ^2/NDF: 30.5/27

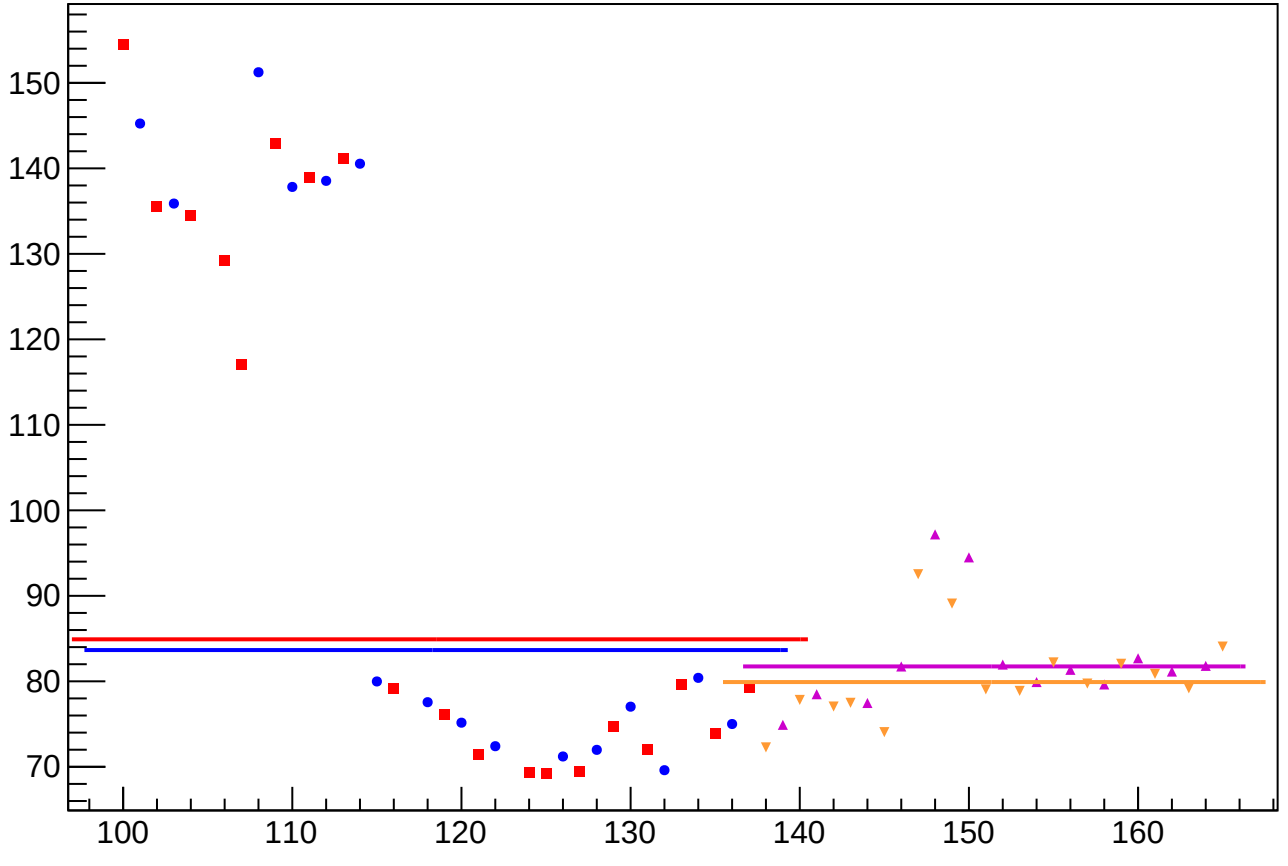
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -88.726+/-19.654 χ^2/NDF:38.9/28

Out: -89.420+/-18.923 χ^2/NDF:62.3/33

All: -89.086+/-13.632 χ^2/NDF: 101.2/62

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.914+/-0.016 χ^2/NDF:86244.8/14

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.742+/-0.018 χ^2/NDF:100126.5/12

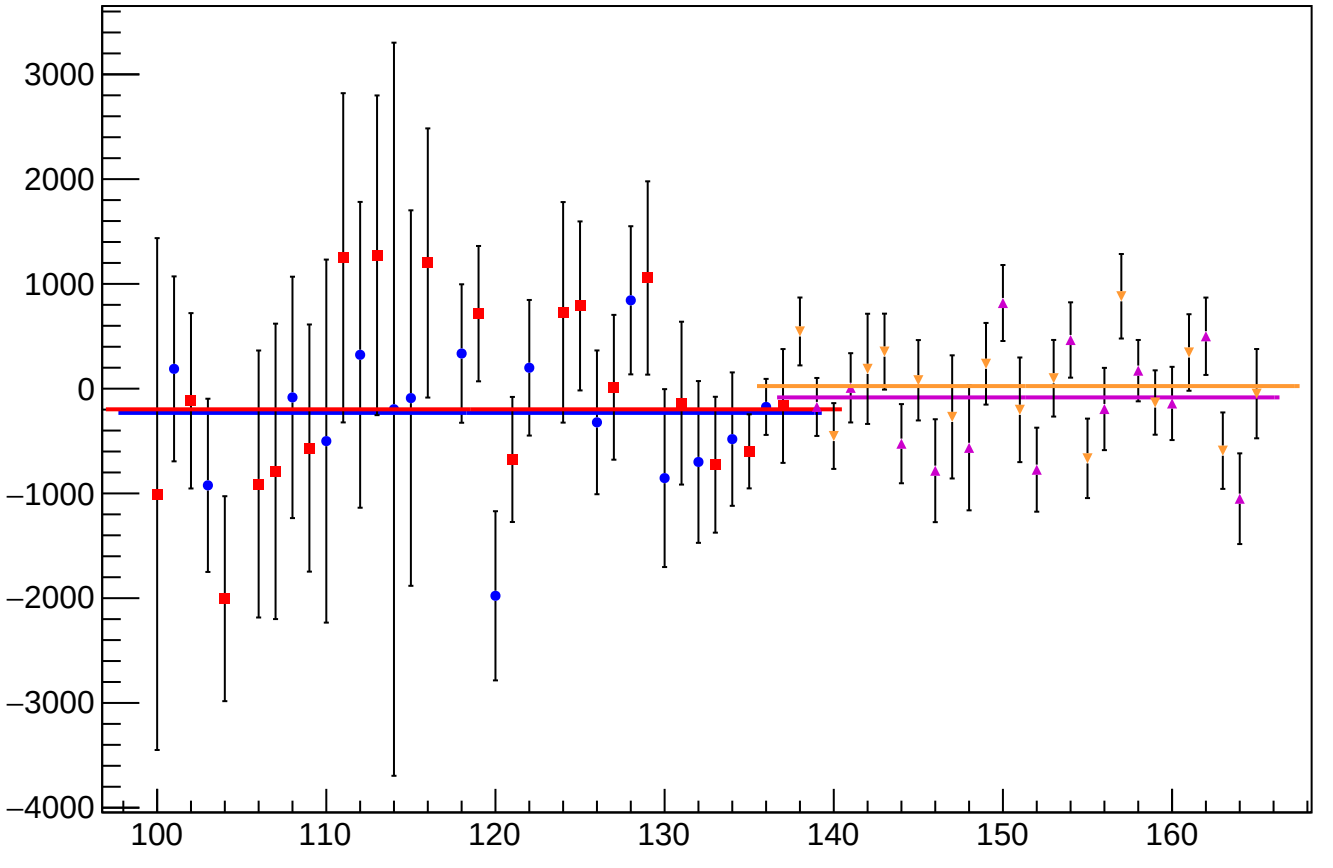
Left: 80.772+/-0.012 χ^2/NDF: 192150.3/27

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.451+/-0.014 χ^2/NDF:1139347.4/28

Out: 81.615+/-0.013 χ^2/NDF:1239237.4/33

All: 82.017+/-0.010 χ^2/NDF: 2380464.7/62



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.503+/-98.603 χ^2/NDF:18.4/14

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -83.450+/-101.676 χ^2/NDF:24.0/12

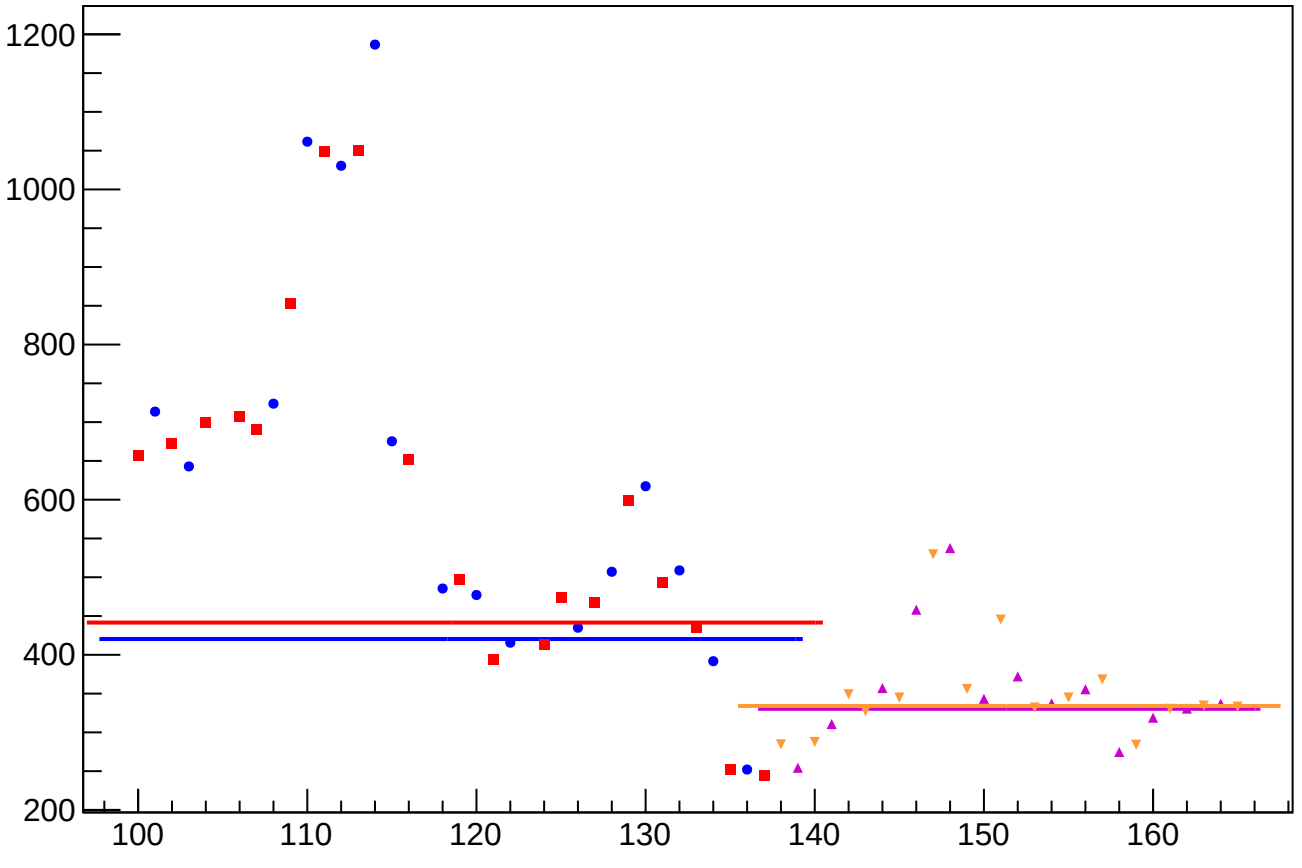
Left: -27.818+/-70.784 χ^2/NDF: 43.0/27

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -122.387+/-87.278 χ^2/NDF:35.0/28

Out: -28.420+/-86.033 χ^2/NDF:35.5/33

All: -74.729+/-61.270 χ^2/NDF: 71.1/62



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.080+/-0.070 χ^2/NDF:490372.9/14

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 330.386+/-0.072 χ^2/NDF:652906.1/12

Left: 332.290+/-0.050 χ^2/NDF: 1144639.4/27

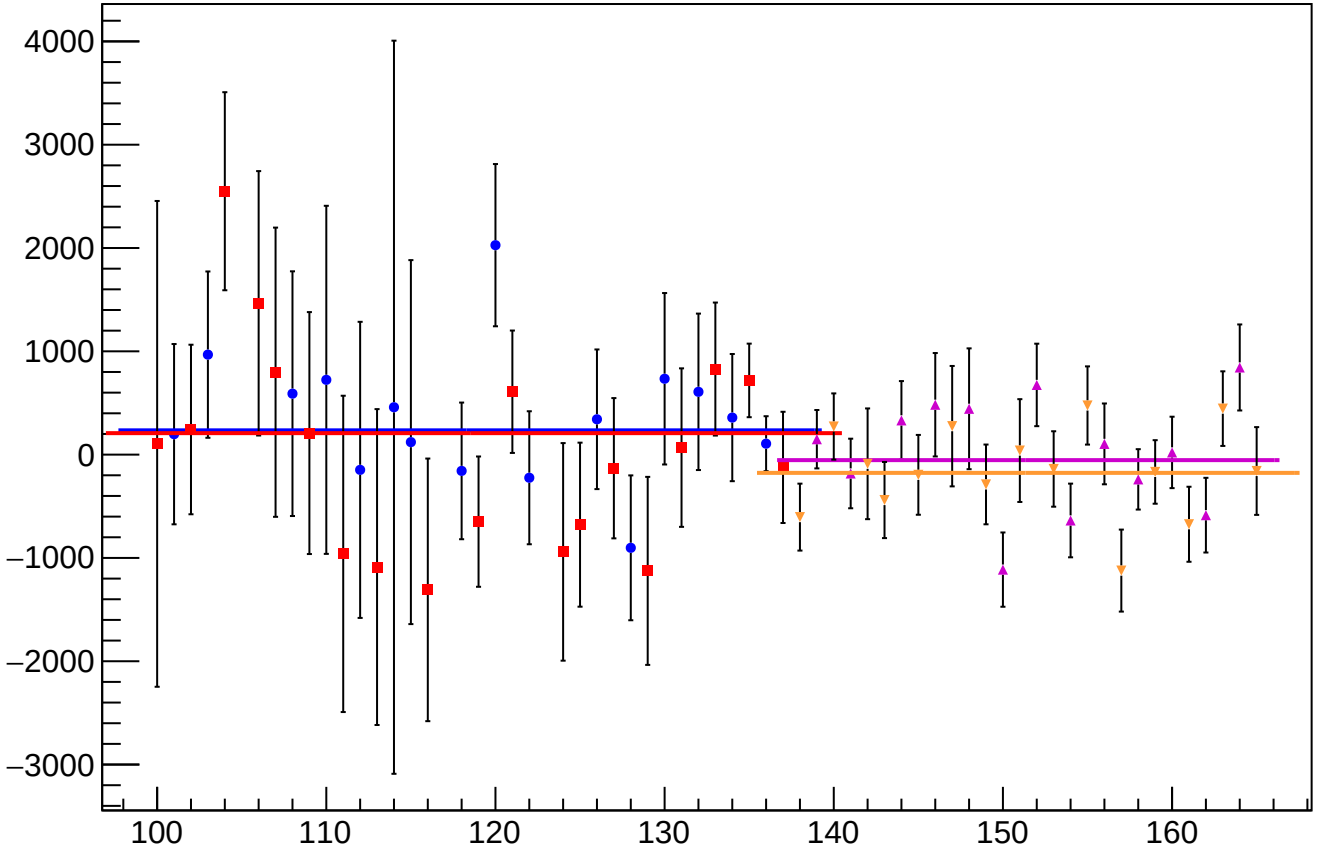
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 354.056+/-0.062 χ^2/NDF:3319385.7/28

Out: 359.744+/-0.061 χ^2/NDF:3365596.2/33

All: 356.941+/-0.043 χ^2/NDF: 6689291.1/62

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -176.620+/-98.676 χ^2/NDF:18.6/14

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -53.286+/-101.497 χ^2/NDF:25.7/12

Left: -116.691+/-70.751 χ^2/NDF: 45.1/27

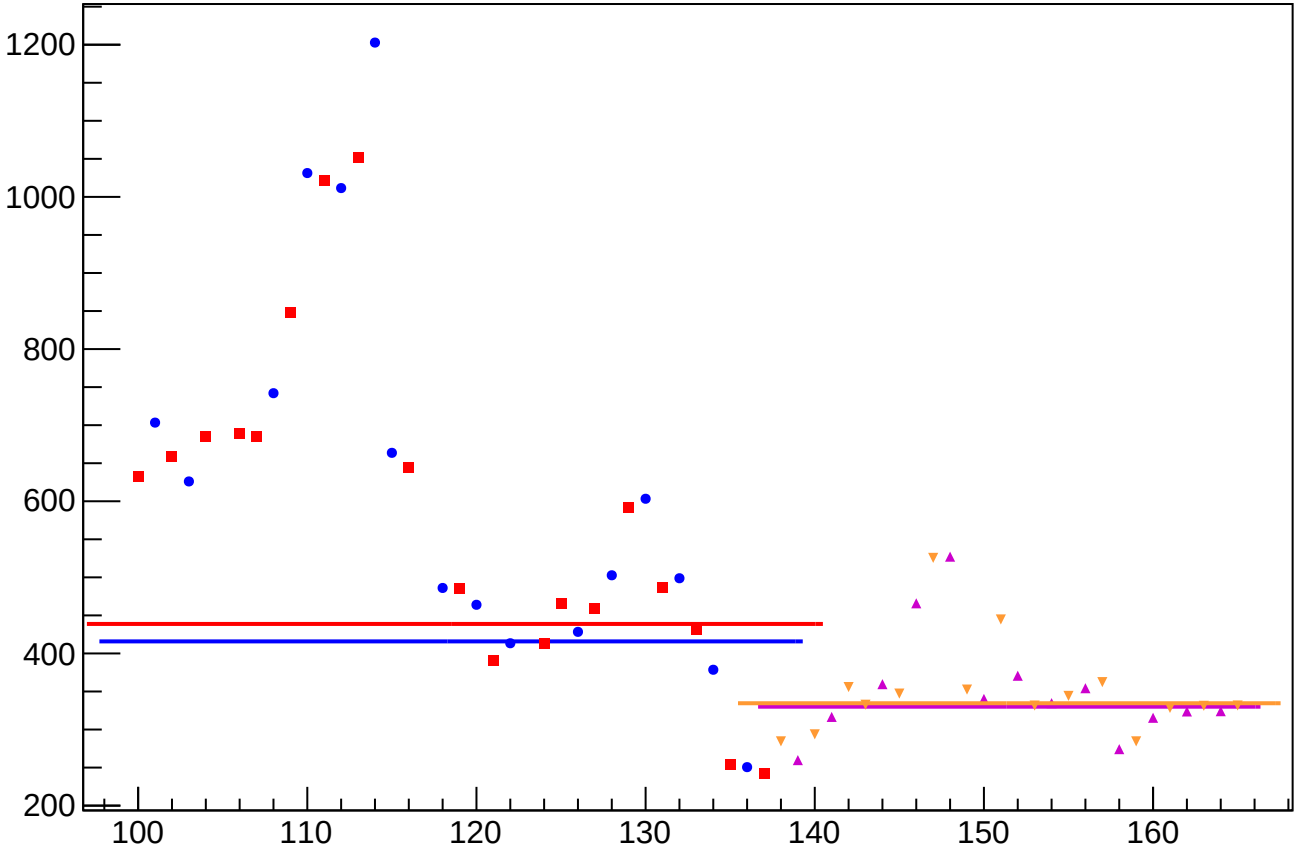
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 23.681+/-86.901 χ^2/NDF:38.5/28

Out: -83.621+/-85.920 χ^2/NDF:42.7/33

All: -30.579+/-61.098 χ^2/NDF: 82.0/62

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 334.550+/-0.070 χ^2/NDF:467967.5/14

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 330.023+/-0.072 χ^2/NDF:621391.7/12

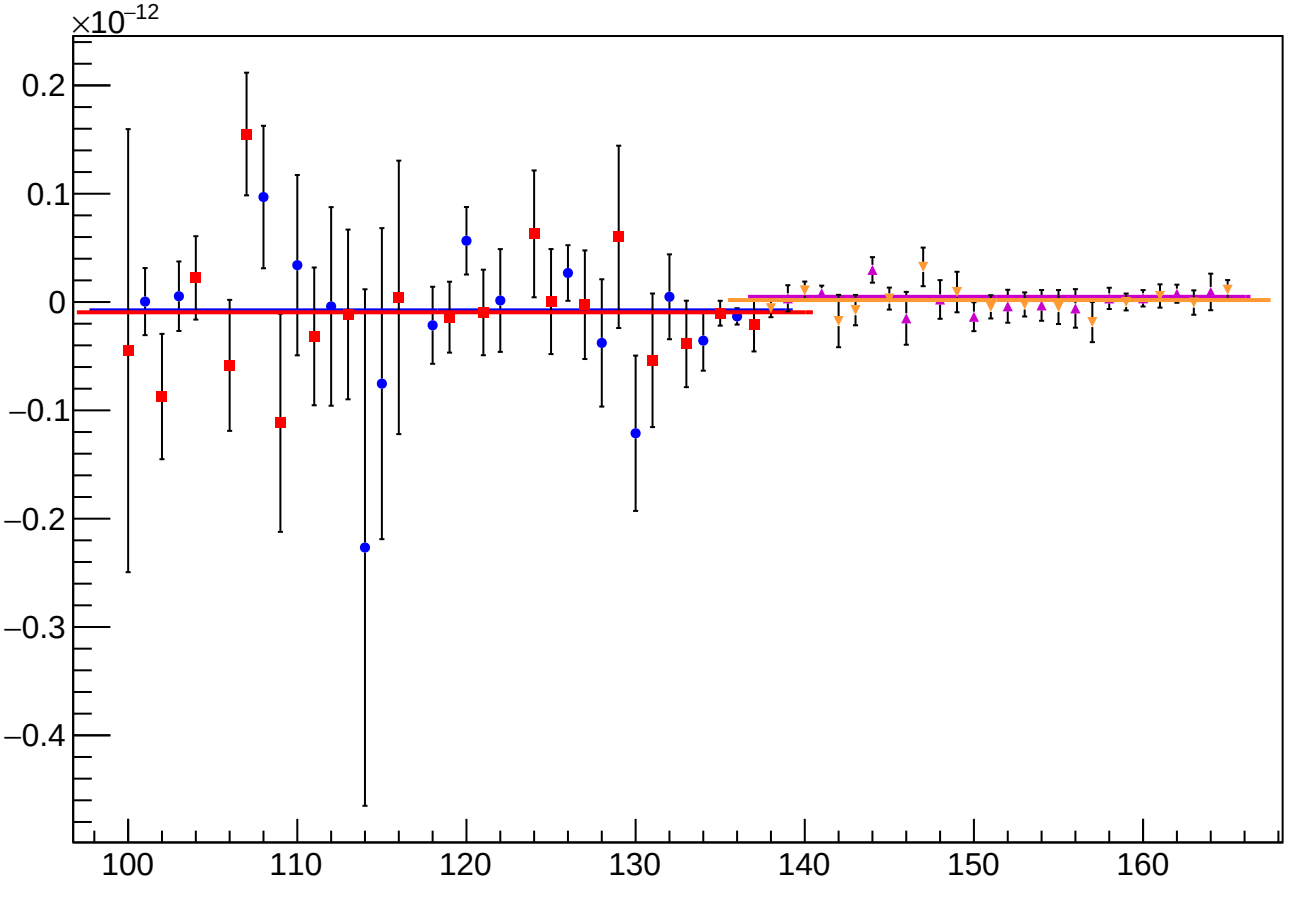
Left: 332.350+/-0.050 χ^2/NDF: 1091404.7/27

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 352.930+/-0.061 χ^2/NDF:3226994.5/28

Out: 359.755+/-0.061 χ^2/NDF:3242323.8/33

All: 356.381+/-0.043 χ^2/NDF: 6475555.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/12

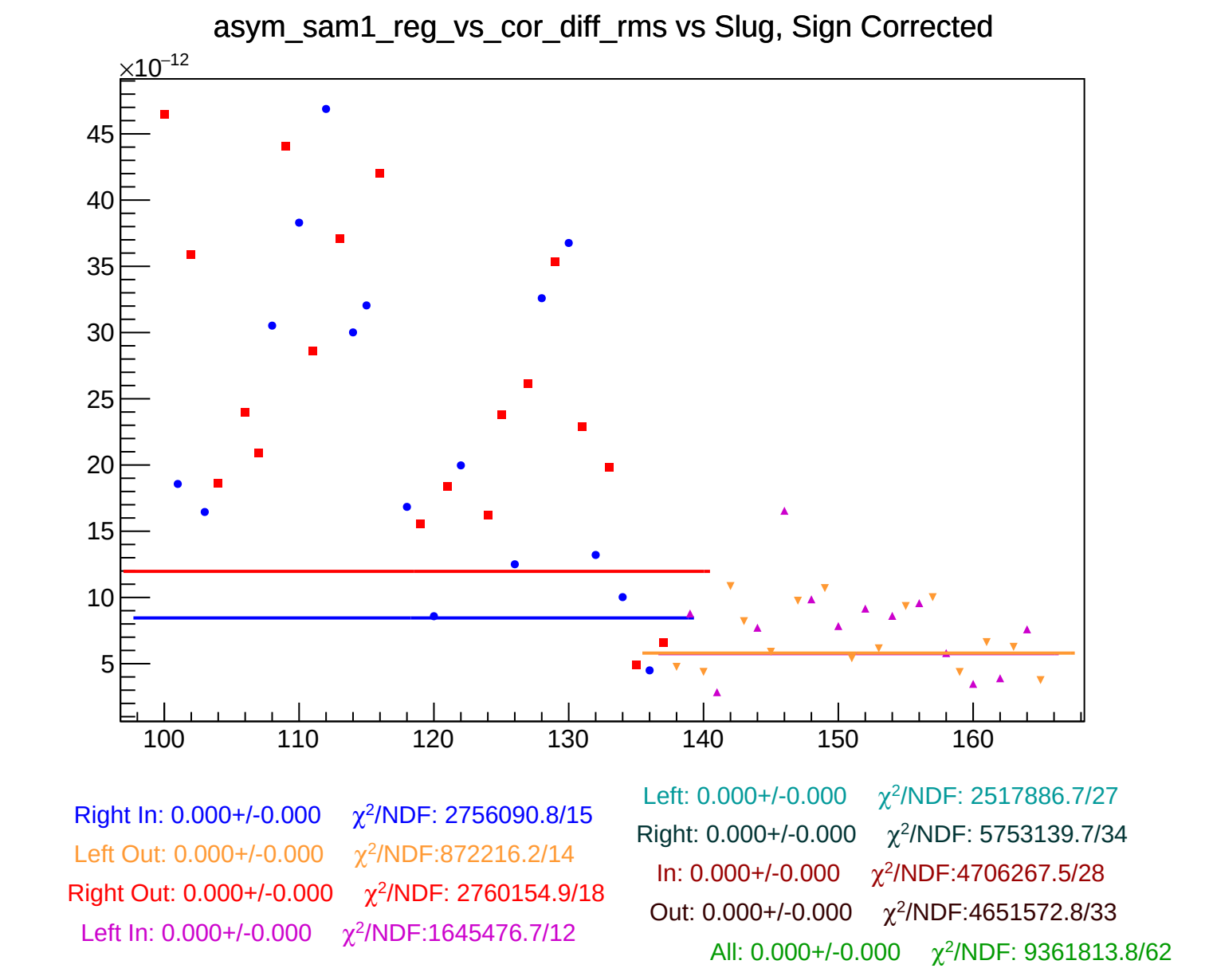
Left: 0.000+/-0.000 χ^2/NDF: 18.4/27

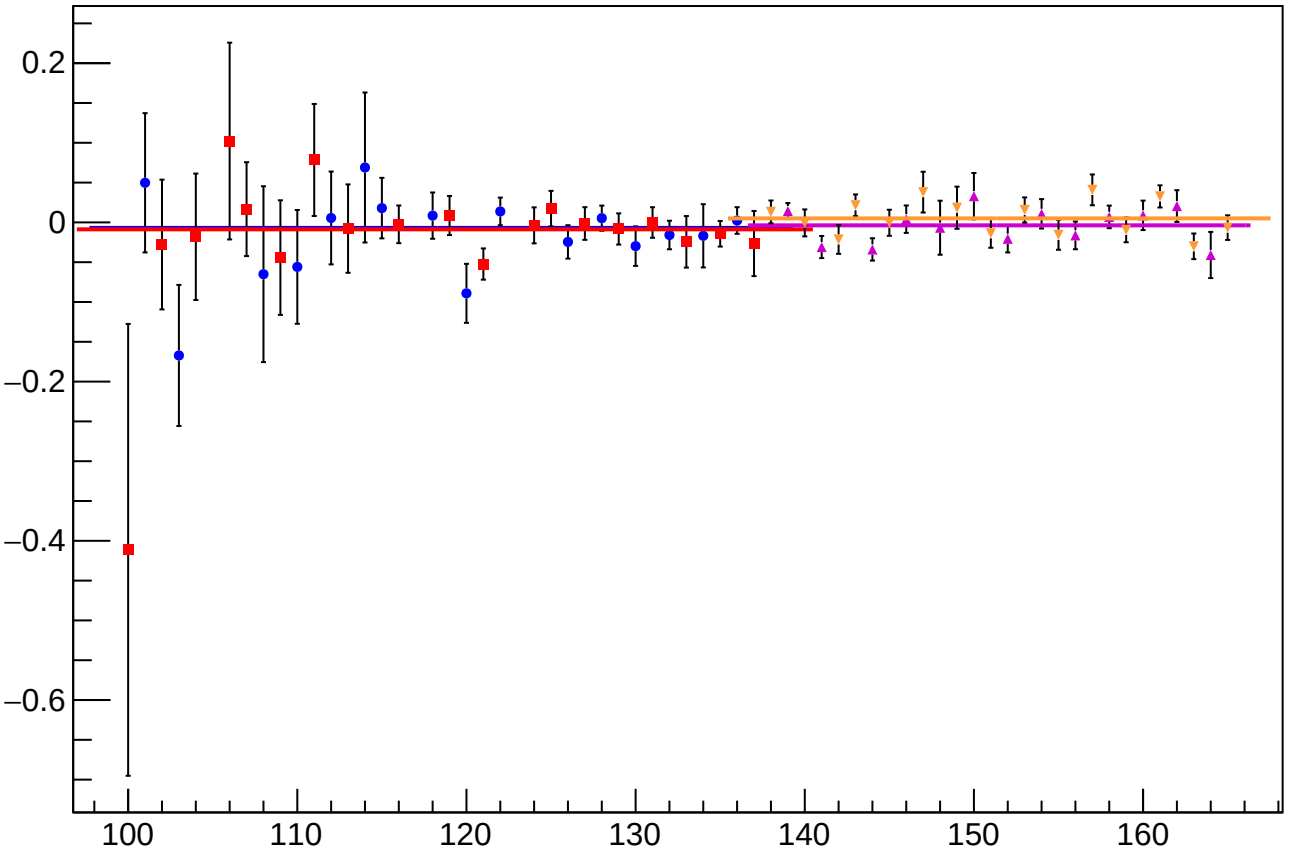
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.5/28

Out: 0.000+/-0.000 χ^2/NDF:27.4/33

All: 0.000+/-0.000 χ^2/NDF: 54.2/62


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:872216.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1645476.7/12
Left: 0.000+/-0.000 χ²/NDF: 2517886.7/27
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4706267.5/28
Out: 0.000+/-0.000 χ²/NDF:4651572.8/33
All: 0.000+/-0.000 χ²/NDF: 9361813.8/62



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

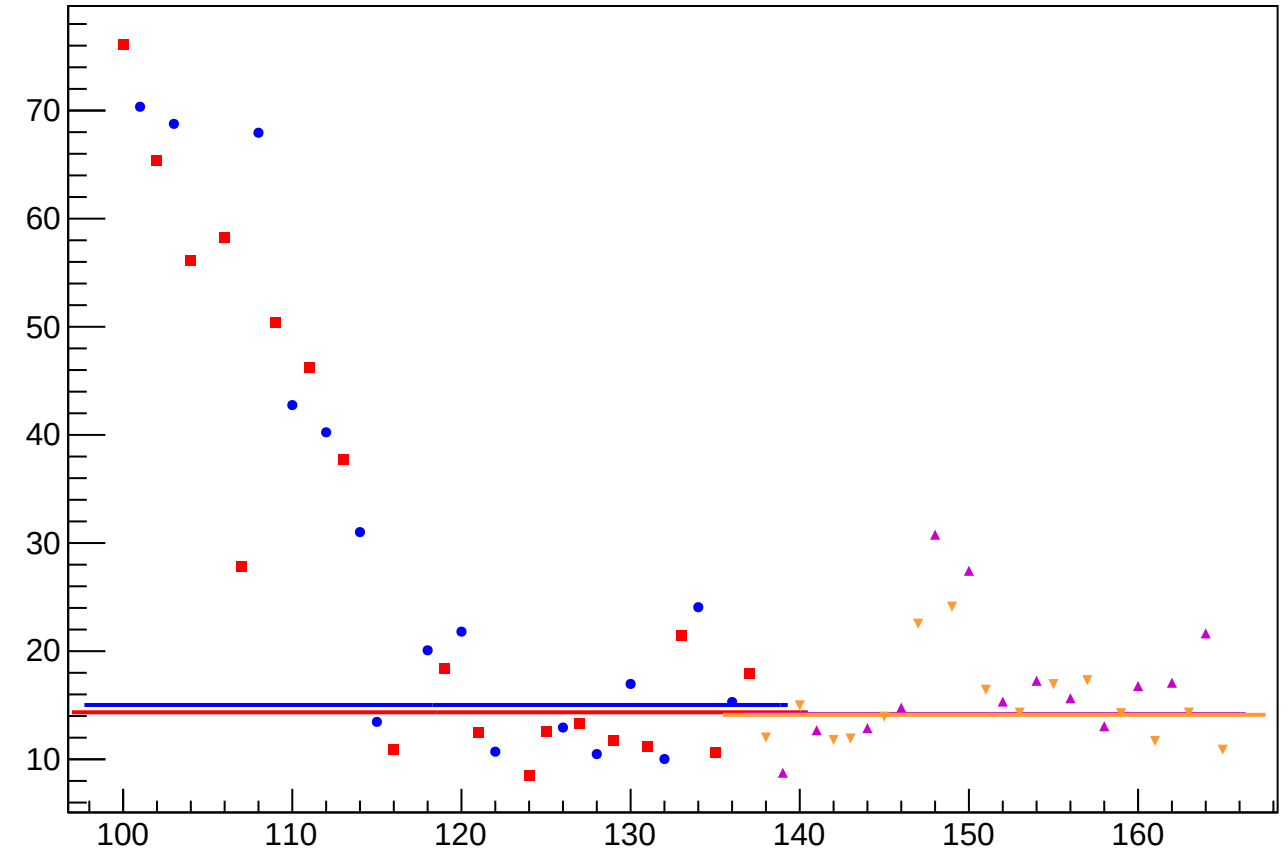
Left: 0.001+/-0.003 χ^2/NDF: 43.9/27

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:38.1/33

All: -0.002+/-0.003 χ^2/NDF: 74.0/62



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.115+/-0.003 χ^2/NDF:916419.5/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

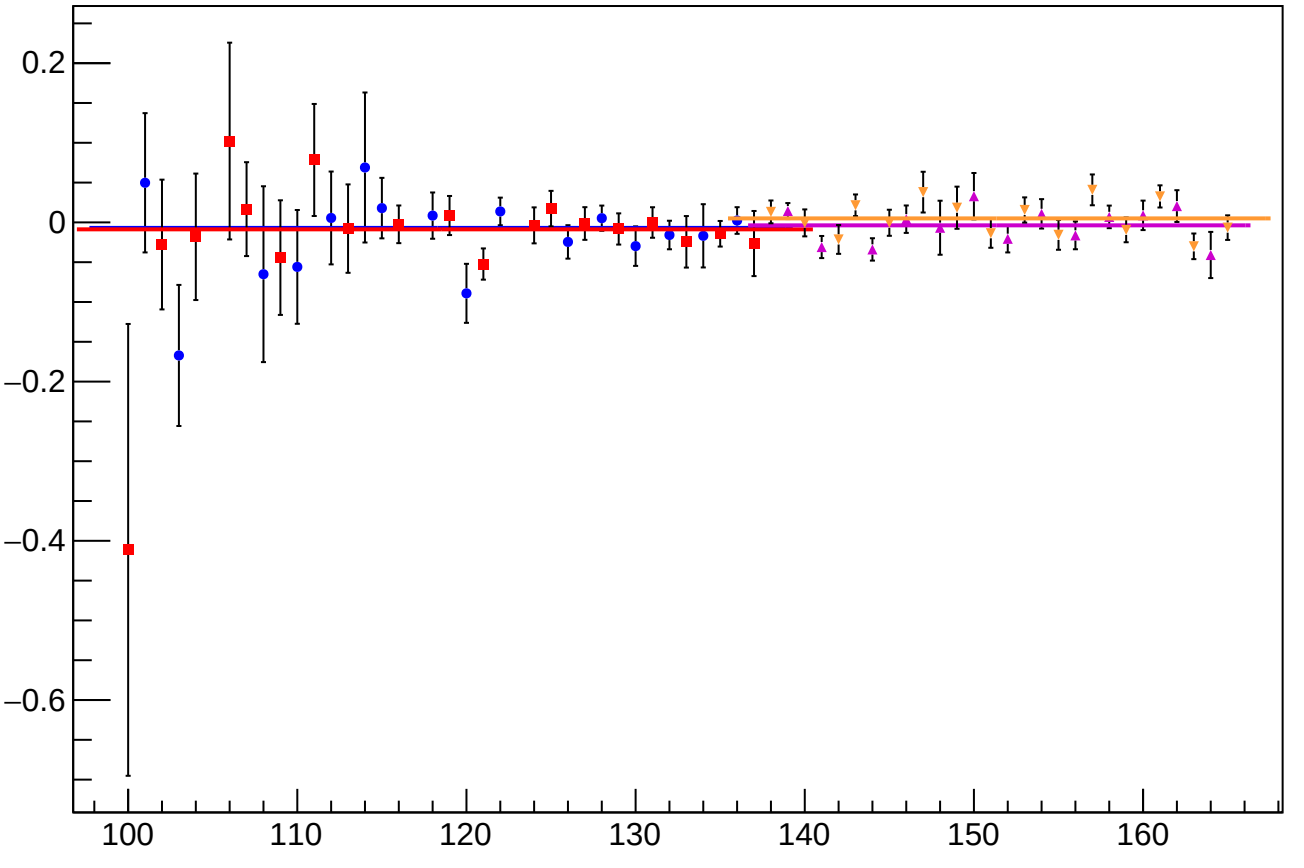
Left: 14.146+/-0.002 χ^2/NDF: 2740464.7/27

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.452+/-0.003 χ^2/NDF:5283484.2/28

Out: 14.189+/-0.003 χ^2/NDF:4547258.0/33

All: 14.312+/-0.002 χ^2/NDF: 9835795.6/62



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

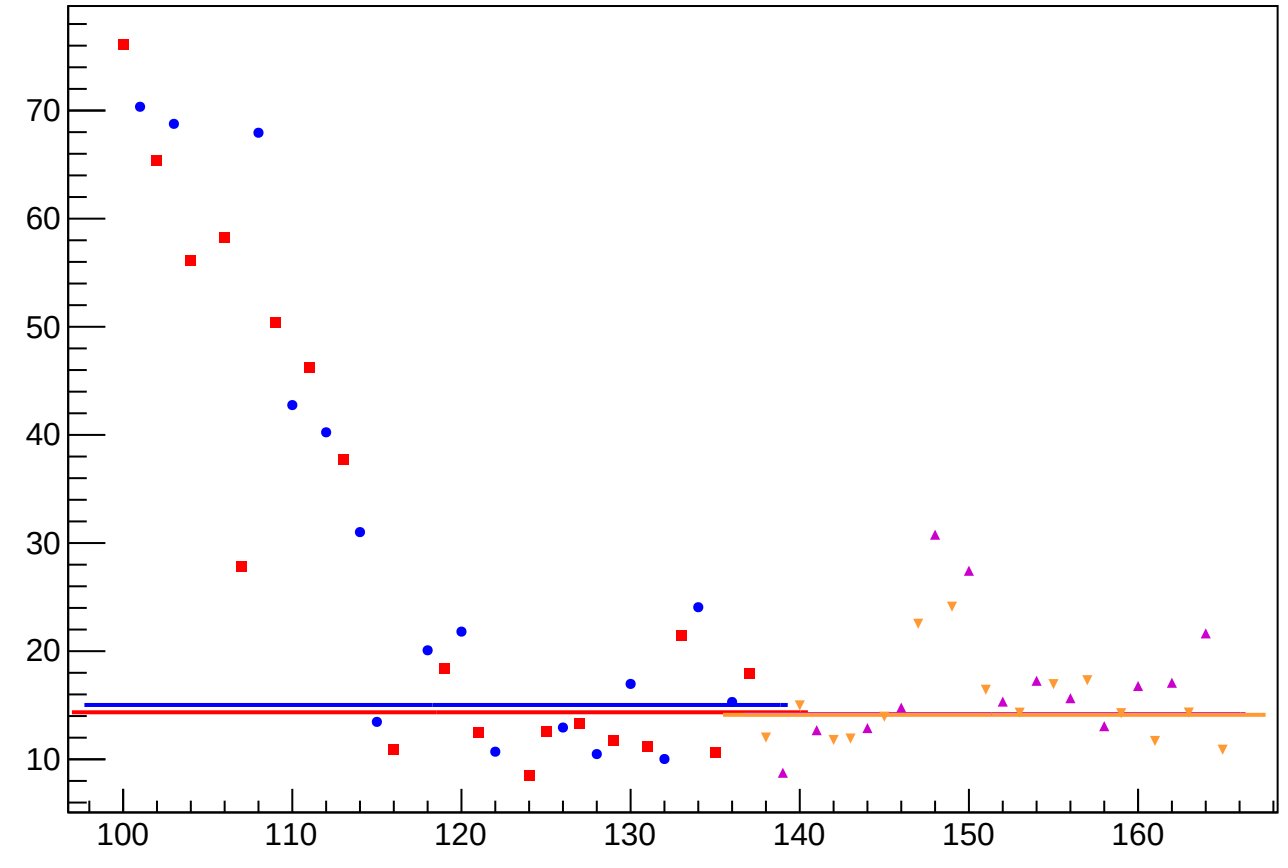
Left: 0.001+/-0.003 χ^2/NDF: 43.9/27

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:38.1/33

All: -0.002+/-0.003 χ^2/NDF: 74.0/62



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.115+/-0.003 χ^2/NDF:916419.5/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

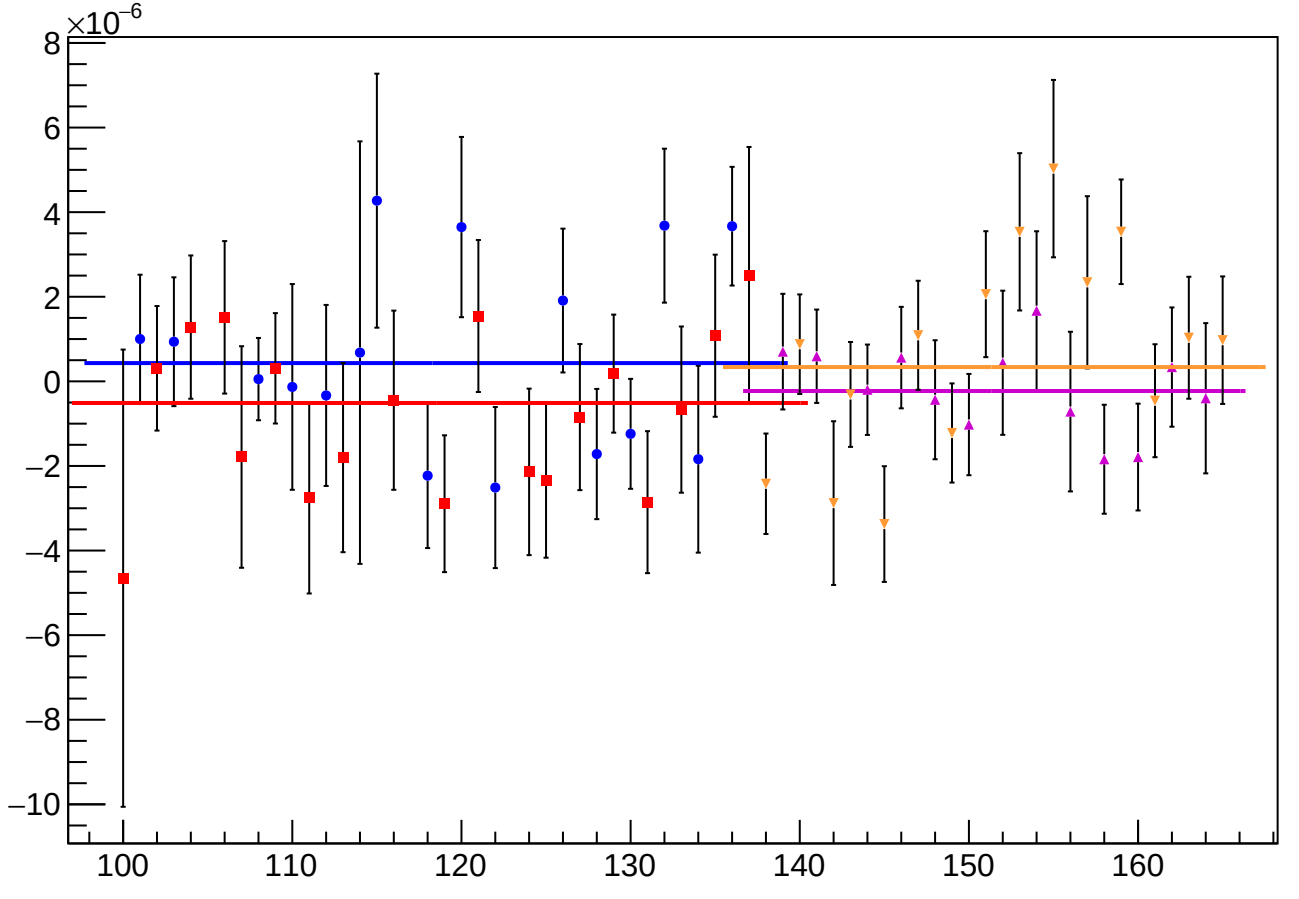
Left: 14.146+/-0.002 χ^2/NDF: 2740464.7/27

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.452+/-0.003 χ^2/NDF:5283484.2/28

Out: 14.189+/-0.003 χ^2/NDF:4547258.0/33

All: 14.312+/-0.002 χ^2/NDF: 9835795.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/12

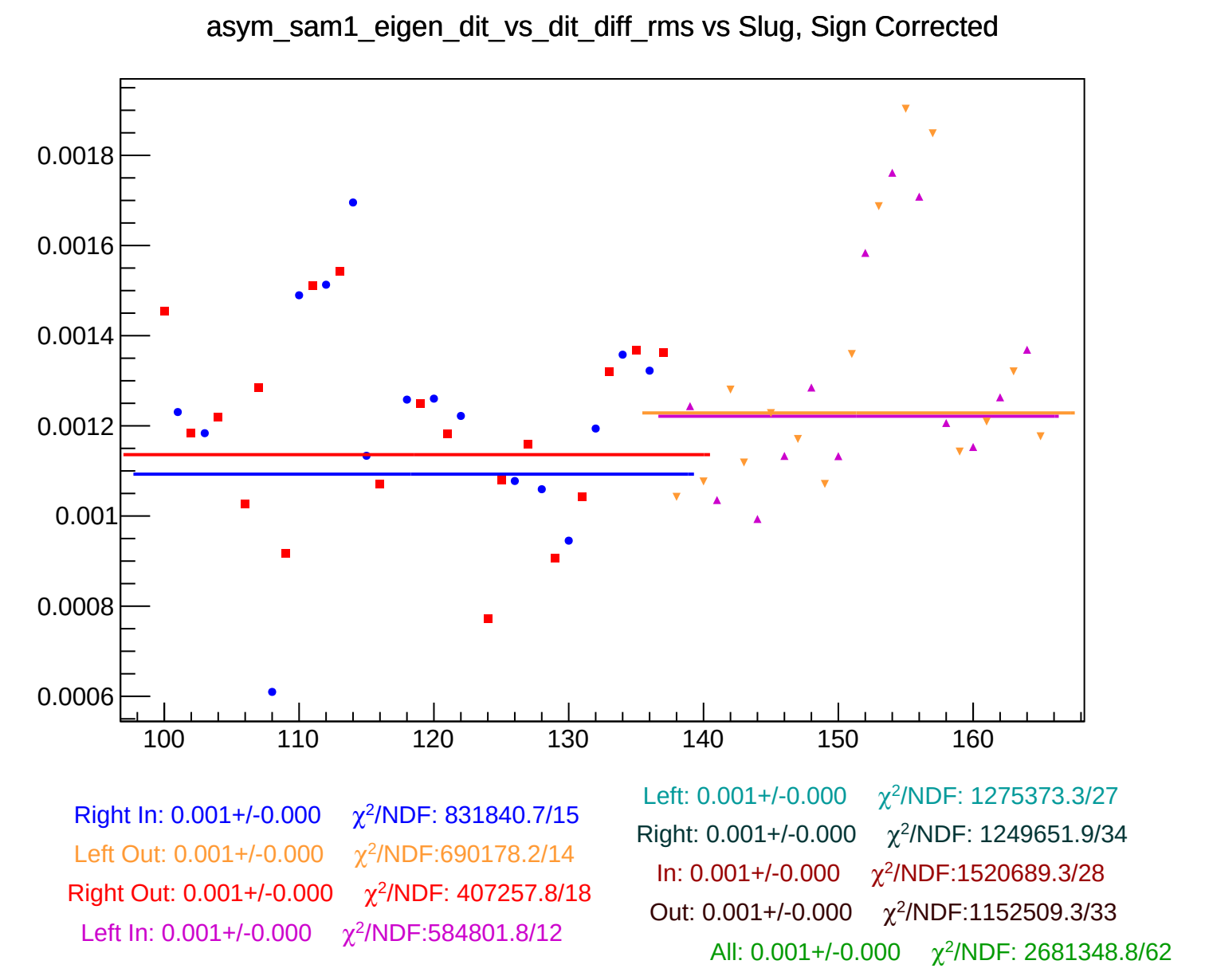
Left: 0.000+/-0.000 χ^2/NDF: 43.4/27

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

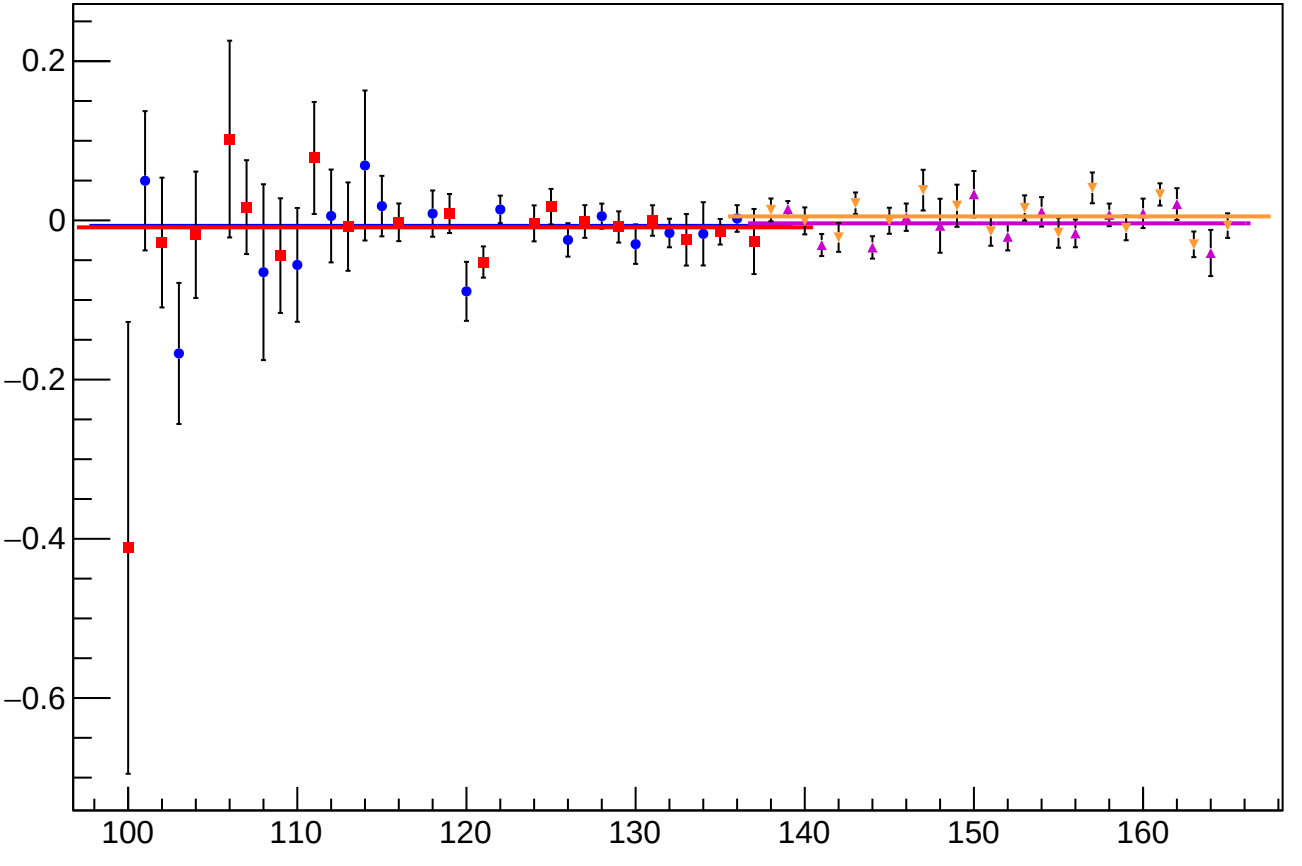
In: 0.000+/-0.000 χ^2/NDF:31.0/28

Out: -0.000+/-0.000 χ^2/NDF:52.5/33

All: 0.000+/-0.000 χ^2/NDF: 83.5/62


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
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:690178.2/14
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:584801.8/12
Left: 0.001+/-0.000 χ²/NDF: 1275373.3/27
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1520689.3/28
Out: 0.001+/-0.000 χ²/NDF:1152509.3/33
All: 0.001+/-0.000 χ²/NDF: 2681348.8/62

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

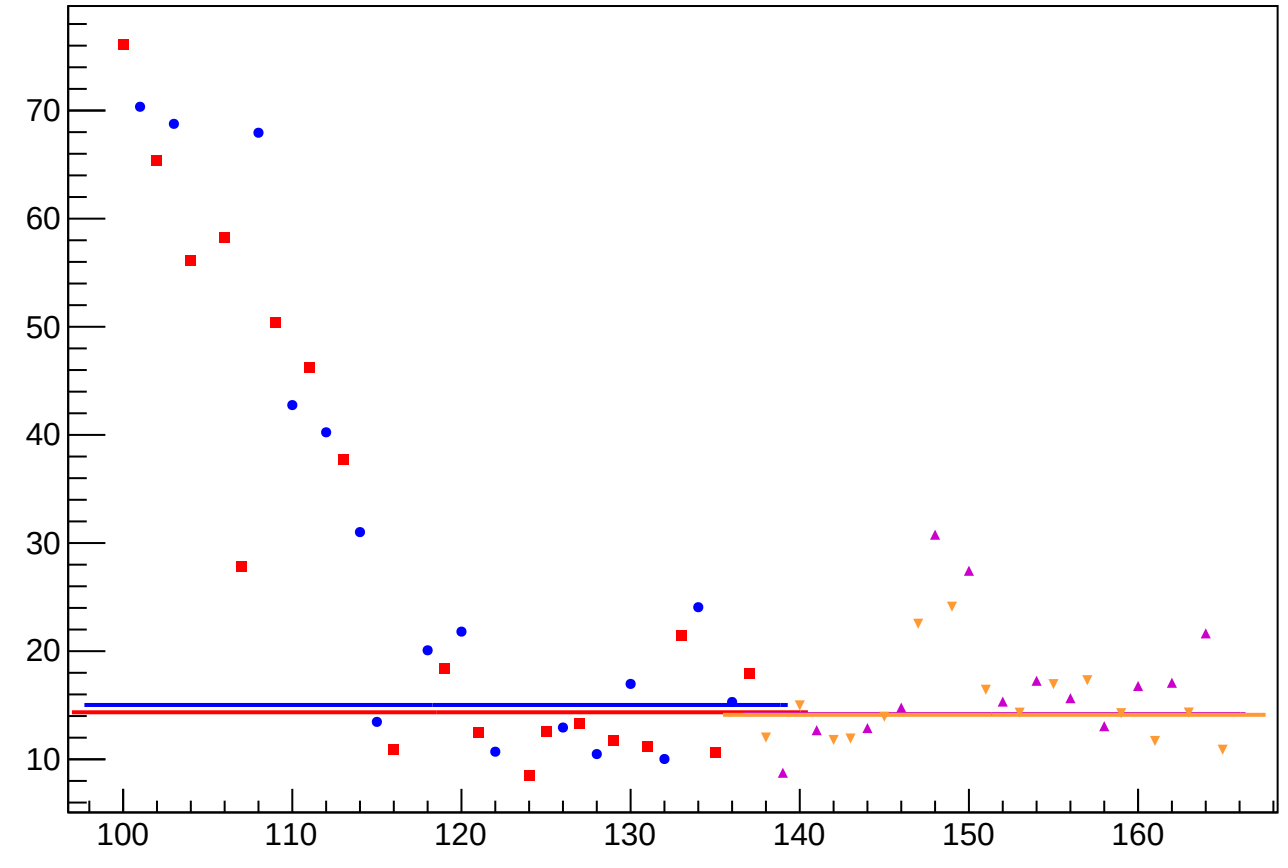
Left: 0.001+/-0.003 χ^2/NDF: 43.9/27

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:38.1/33

All: -0.002+/-0.003 χ^2/NDF: 74.0/62



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.115+/-0.003 χ^2/NDF:916486.9/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

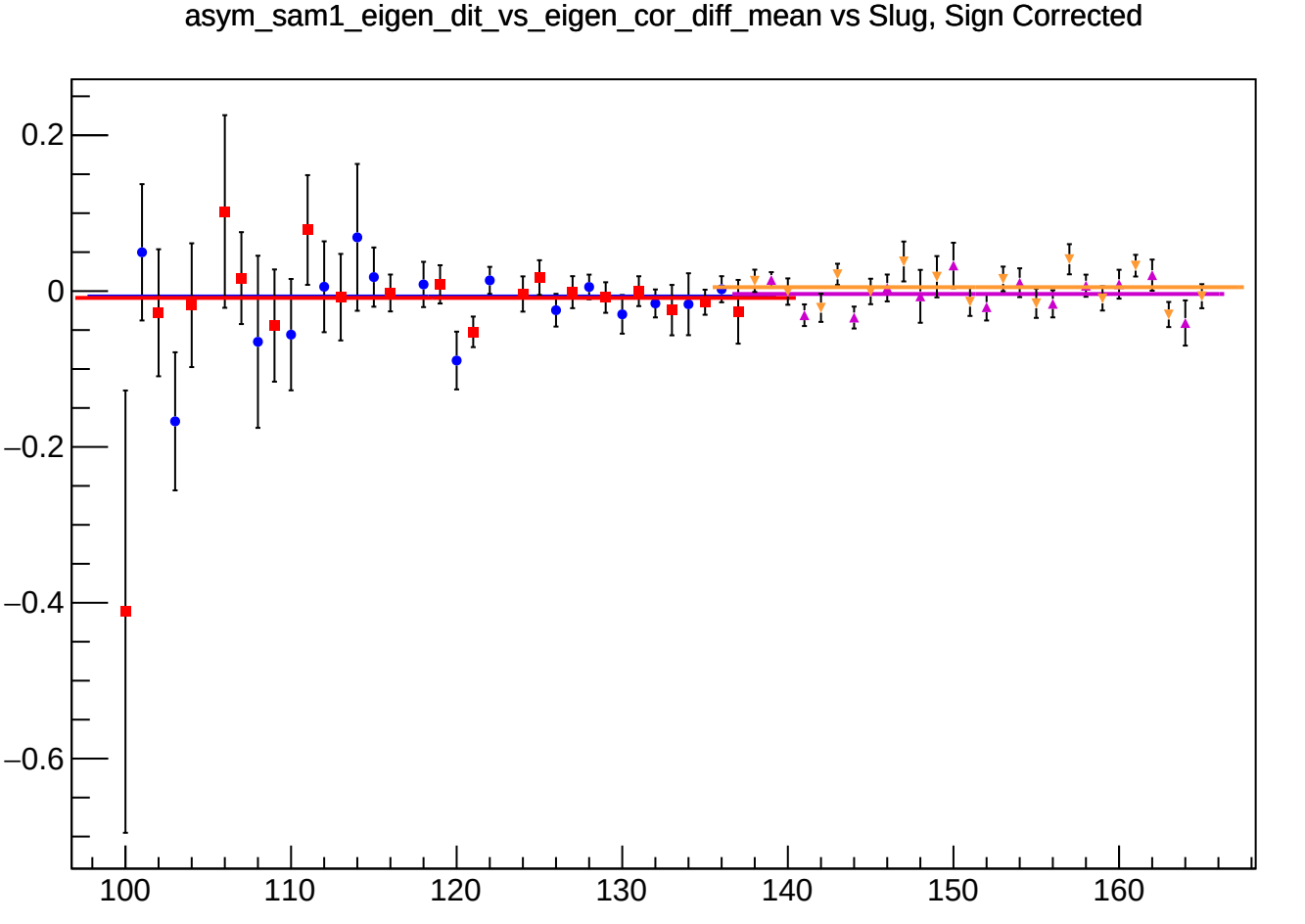
Left: 14.146+/-0.002 χ^2/NDF: 2740584.5/27

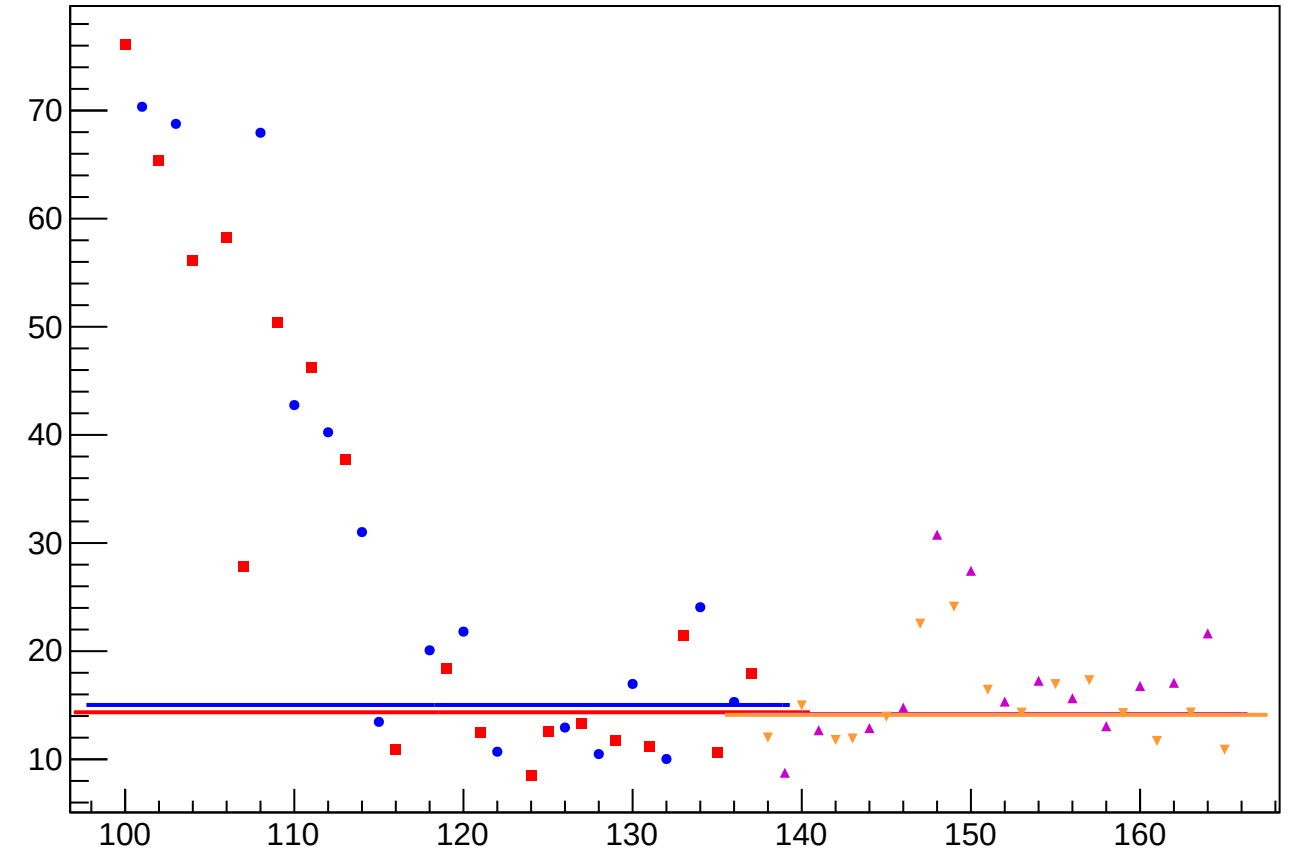
Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

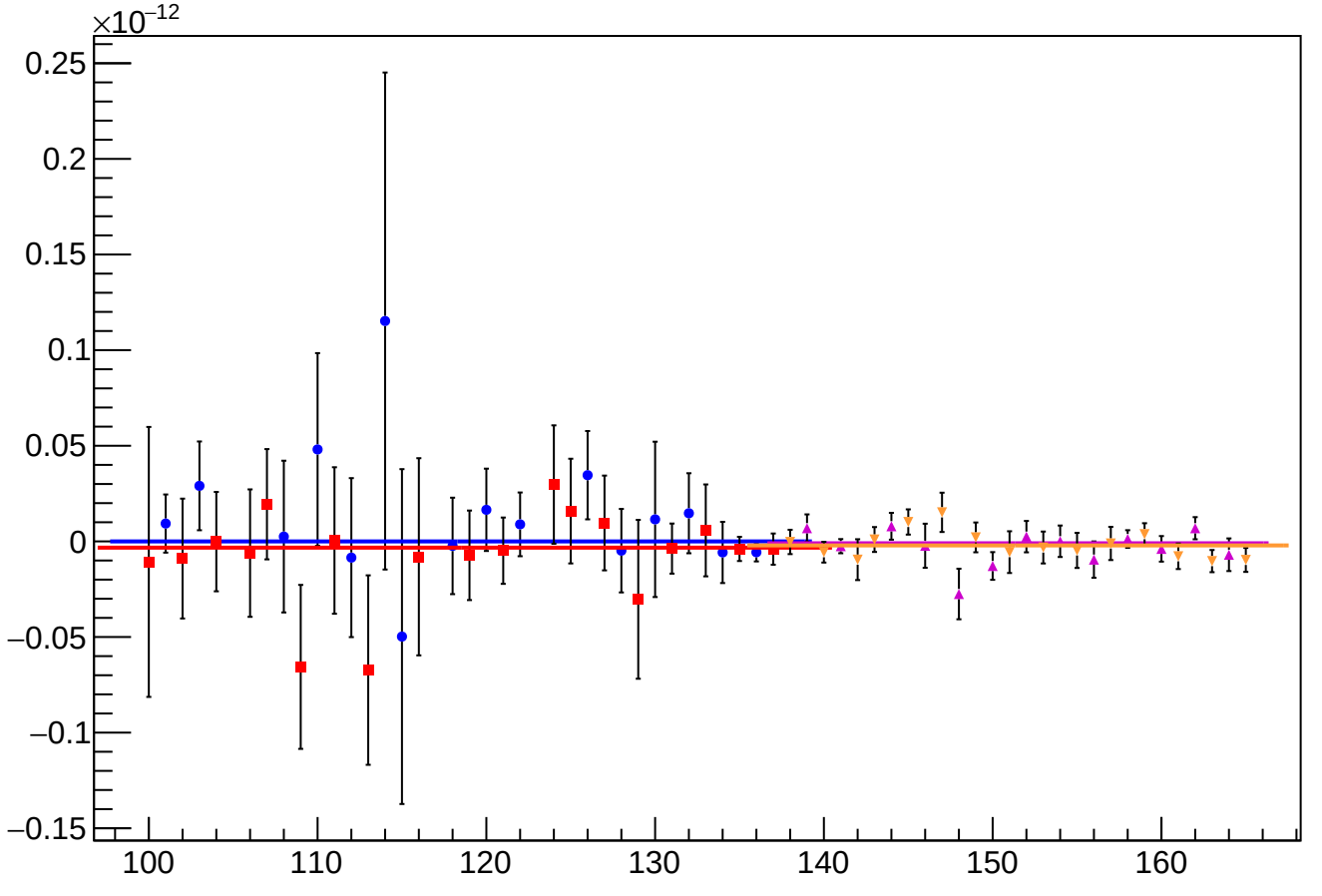
In: 14.451+/-0.003 χ^2/NDF:5283548.1/28

Out: 14.188+/-0.003 χ^2/NDF:4547315.1/33

All: 14.312+/-0.002 χ^2/NDF: 9835916.3/62


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.004 χ²/NDF:22.3/14
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.004+/-0.005 χ²/NDF:19.7/12
Left: 0.001+/-0.003 χ²/NDF: 43.9/27
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.005+/-0.004 χ²/NDF:34.8/28
Out: 0.001+/-0.004 χ²/NDF:38.1/33
All: -0.002+/-0.003 χ²/NDF: 74.0/62


asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 14.115+/-0.003 χ²/NDF:916486.9/14
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 14.181+/-0.003 χ²/NDF:1823882.7/12
Left: 14.146+/-0.002 χ²/NDF: 2740584.5/27
Right: 14.669+/-0.003 χ²/NDF: 7077938.8/34
In: 14.451+/-0.003 χ²/NDF:5283548.1/28
Out: 14.188+/-0.003 χ²/NDF:4547315.1/33
All: 14.312+/-0.002 χ²/NDF: 9835916.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/12

Left: -0.000+/-0.000 χ^2/NDF: 26.9/27

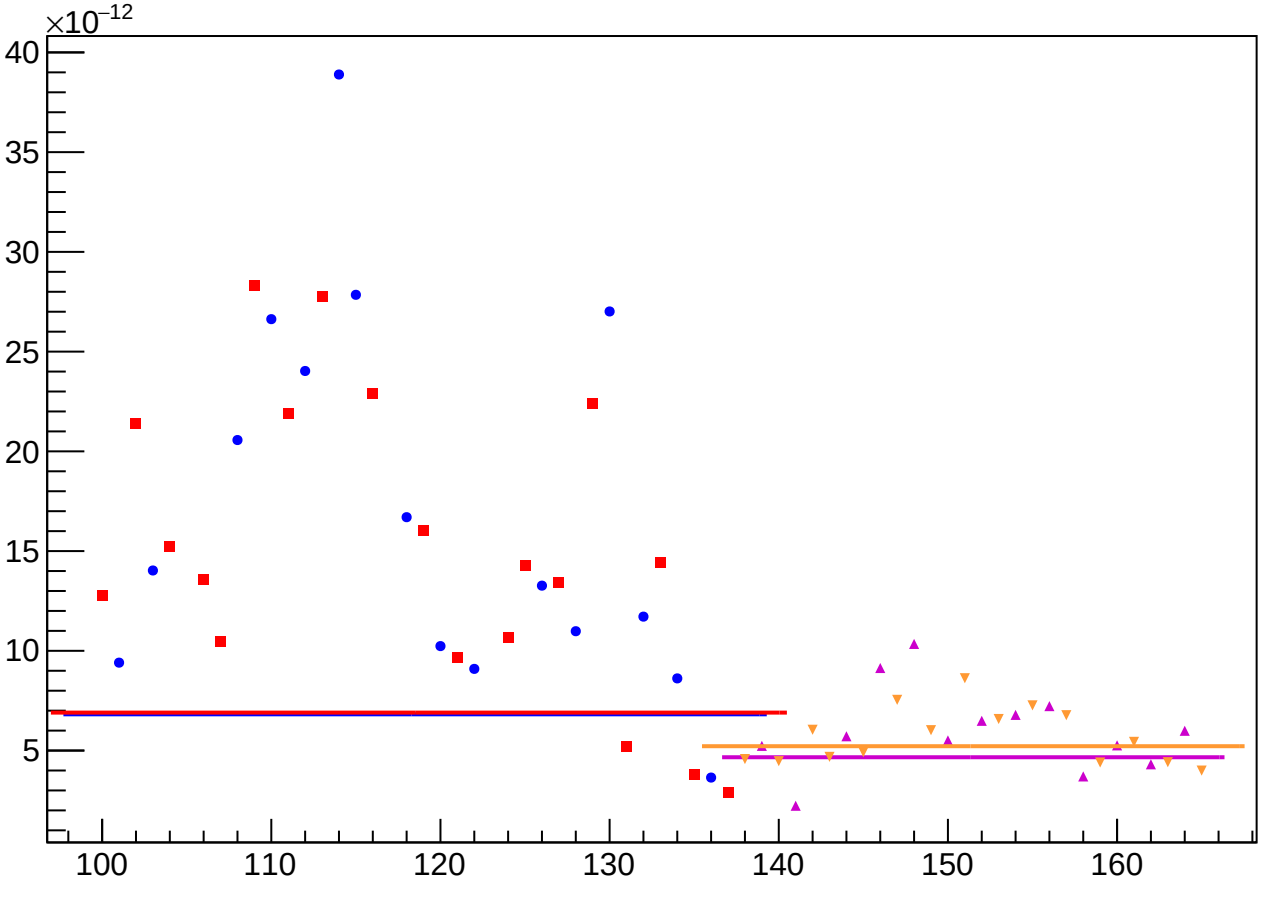
Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:22.8/28

Out: -0.000+/-0.000 χ^2/NDF:20.3/33

All: -0.000+/-0.000 χ^2/NDF: 43.6/62

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:781345.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2153980.9/12

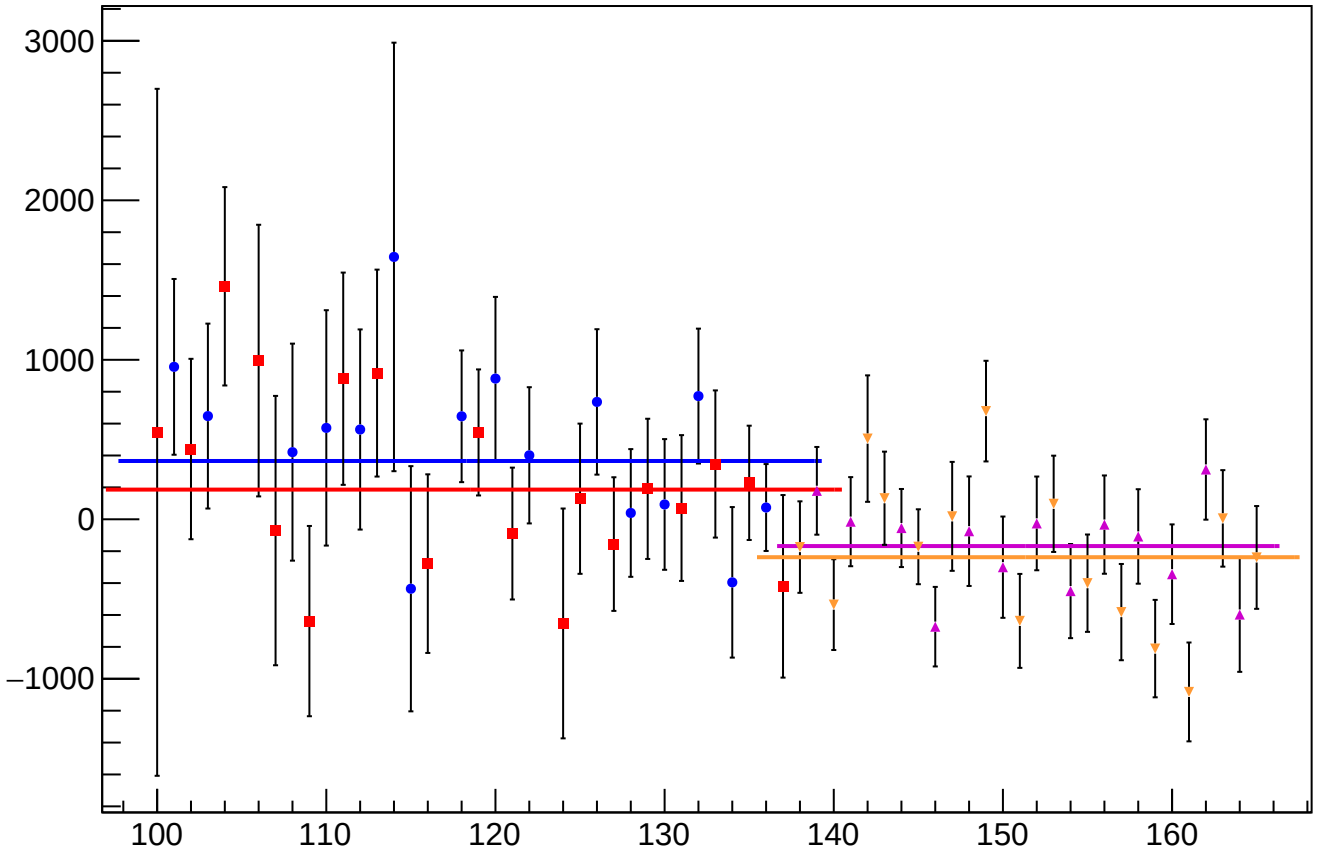
Left: 0.000+/-0.000 χ^2/NDF: 3026345.7/27

Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:6188734.2/28

Out: 0.000+/-0.000 χ^2/NDF:5322025.5/33

All: 0.000+/-0.000 χ^2/NDF: 11583322.6/62



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.756+/-77.798 χ^2/NDF:31.6/14

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -167.886+/-81.571 χ^2/NDF:11.9/12

Left: -204.474+/-56.298 χ^2/NDF: 43.9/27

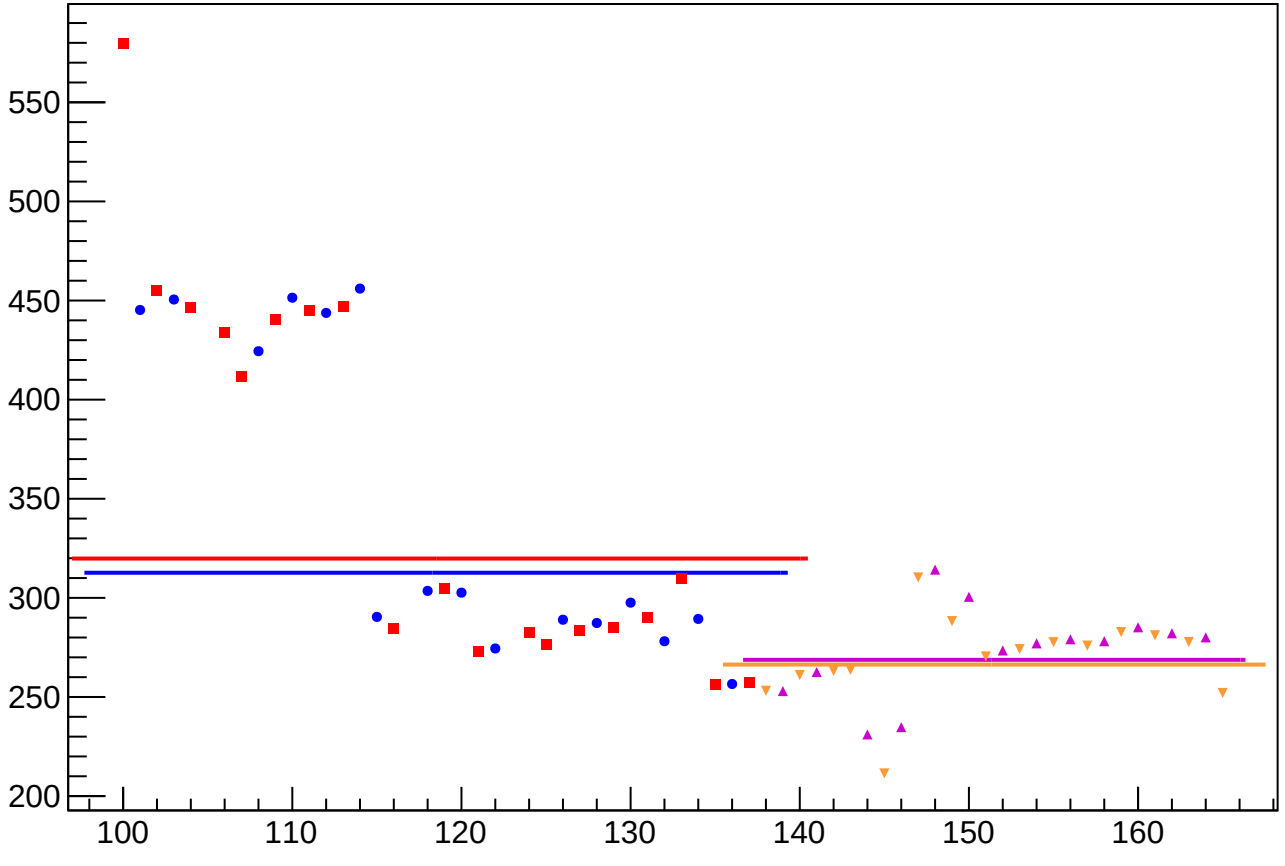
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 2.882+/-67.259 χ^2/NDF:37.1/28

Out: -112.587+/-65.310 χ^2/NDF:55.4/33

All: -56.550+/-46.855 χ^2/NDF: 94.0/62

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

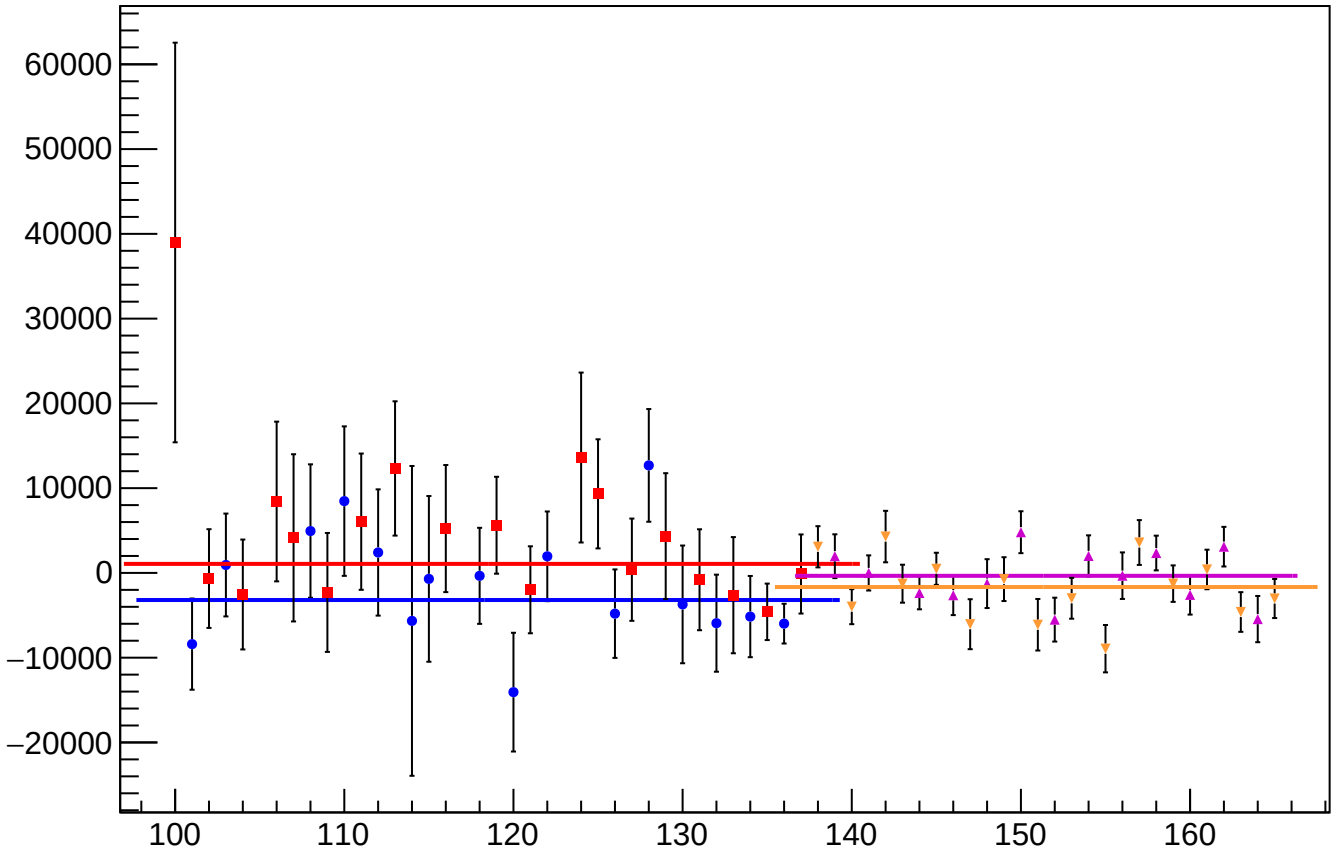
Left: 267.488+/-0.040 χ^2/NDF: 346428.3/27

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.807+/-0.048 χ^2/NDF:952534.6/28

Out: 282.145+/-0.046 χ^2/NDF:1158077.9/33

All: 282.466+/-0.033 χ^2/NDF: 2110712.3/62



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1664.004+/-622.939 χ^2/NDF:28.5/14

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -343.177+/-658.320 χ^2/NDF:20.5/12

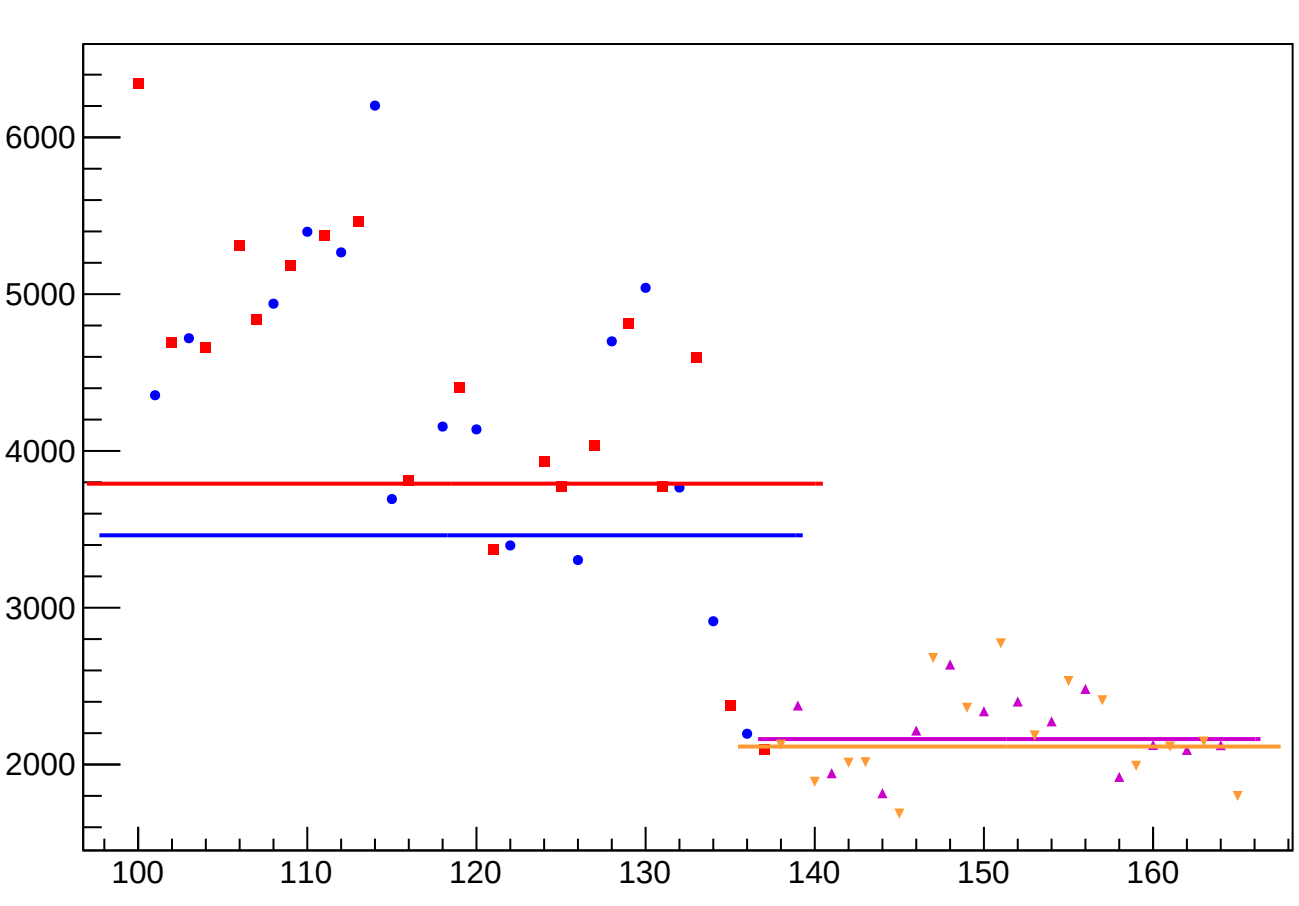
Left: -1040.036+/-452.475 χ^2/NDF: 51.2/27

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -889.272+/-592.034 χ^2/NDF:40.2/28

Out: -1235.328+/-571.942 χ^2/NDF:45.9/33

All: -1068.272+/-411.344 χ^2/NDF: 86.3/62



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2114.664+/-0.440 χ^2/NDF:433123.9/14

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2162.330+/-0.466 χ^2/NDF:244450.1/12

Left: 2137.182+/-0.320 χ^2/NDF: 683105.8/27

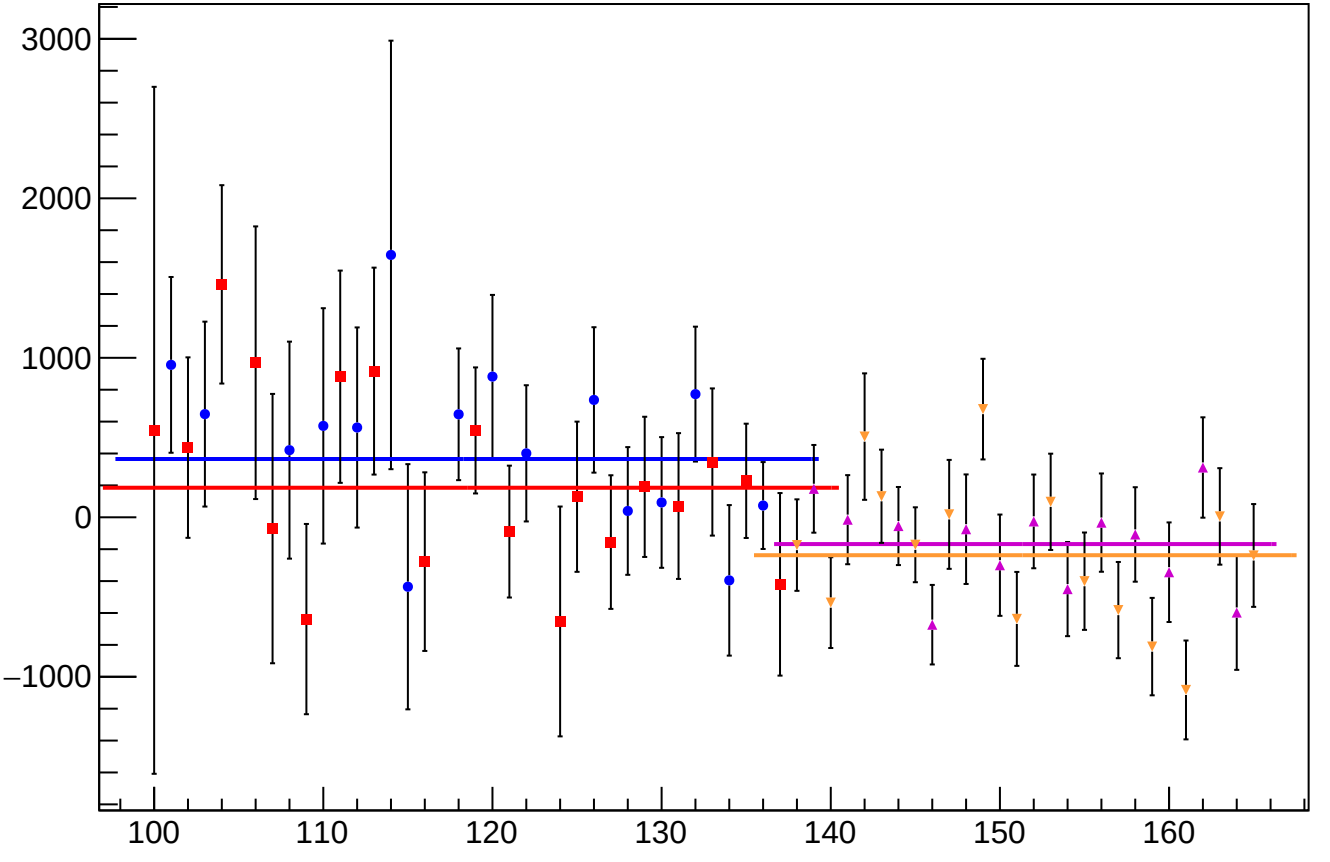
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2410.864+/-0.419 χ^2/NDF:3044592.4/28

Out: 2377.928+/-0.404 χ^2/NDF:3863683.0/33

All: 2393.827+/-0.291 χ^2/NDF: 6911477.1/62

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.750+/-77.798 χ^2/NDF:31.6/14

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -167.889+/-81.571 χ^2/NDF:11.9/12

Left: -204.472+/-56.298 χ^2/NDF: 43.9/27

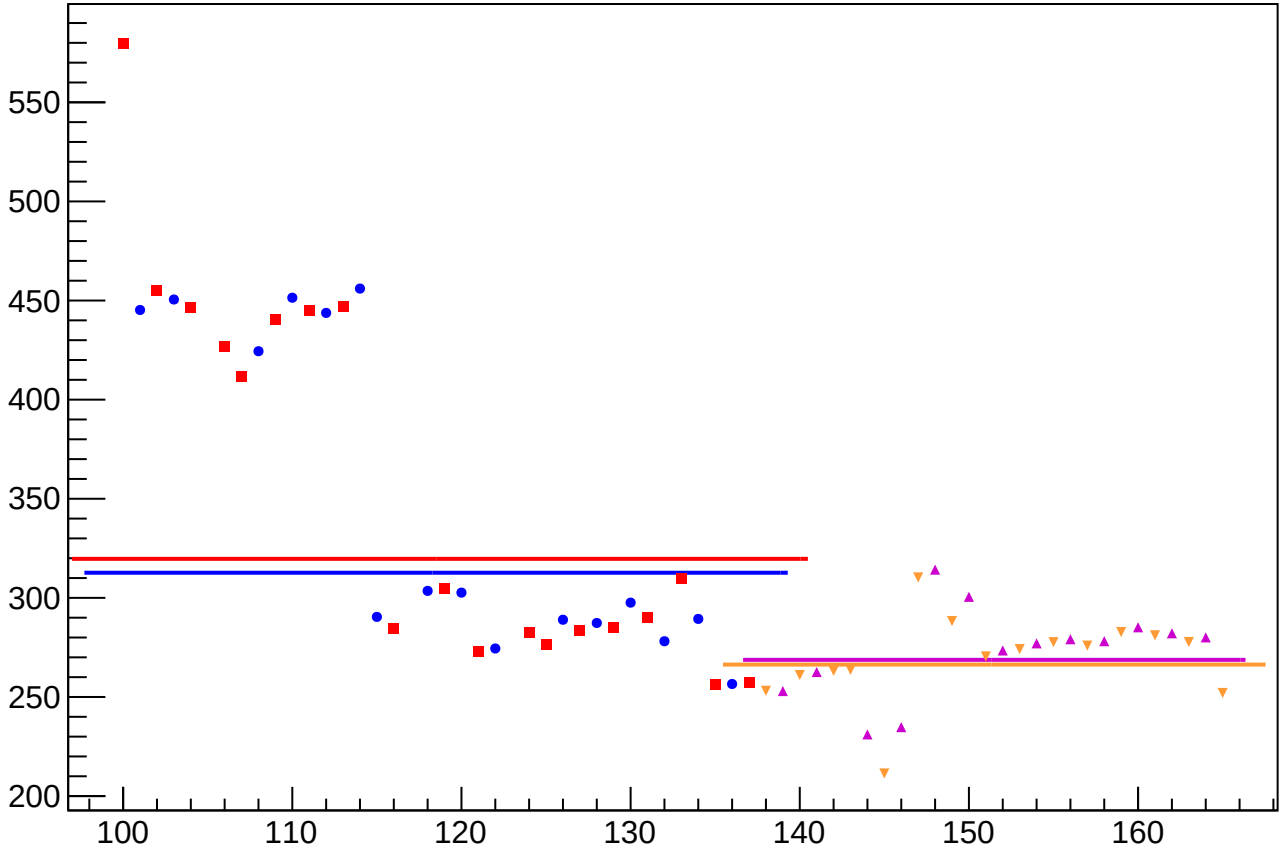
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 2.874+/-67.259 χ^2/NDF:37.1/28

Out: -112.838+/-65.312 χ^2/NDF:55.2/33

All: -56.681+/-46.856 χ^2/NDF: 93.9/62

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

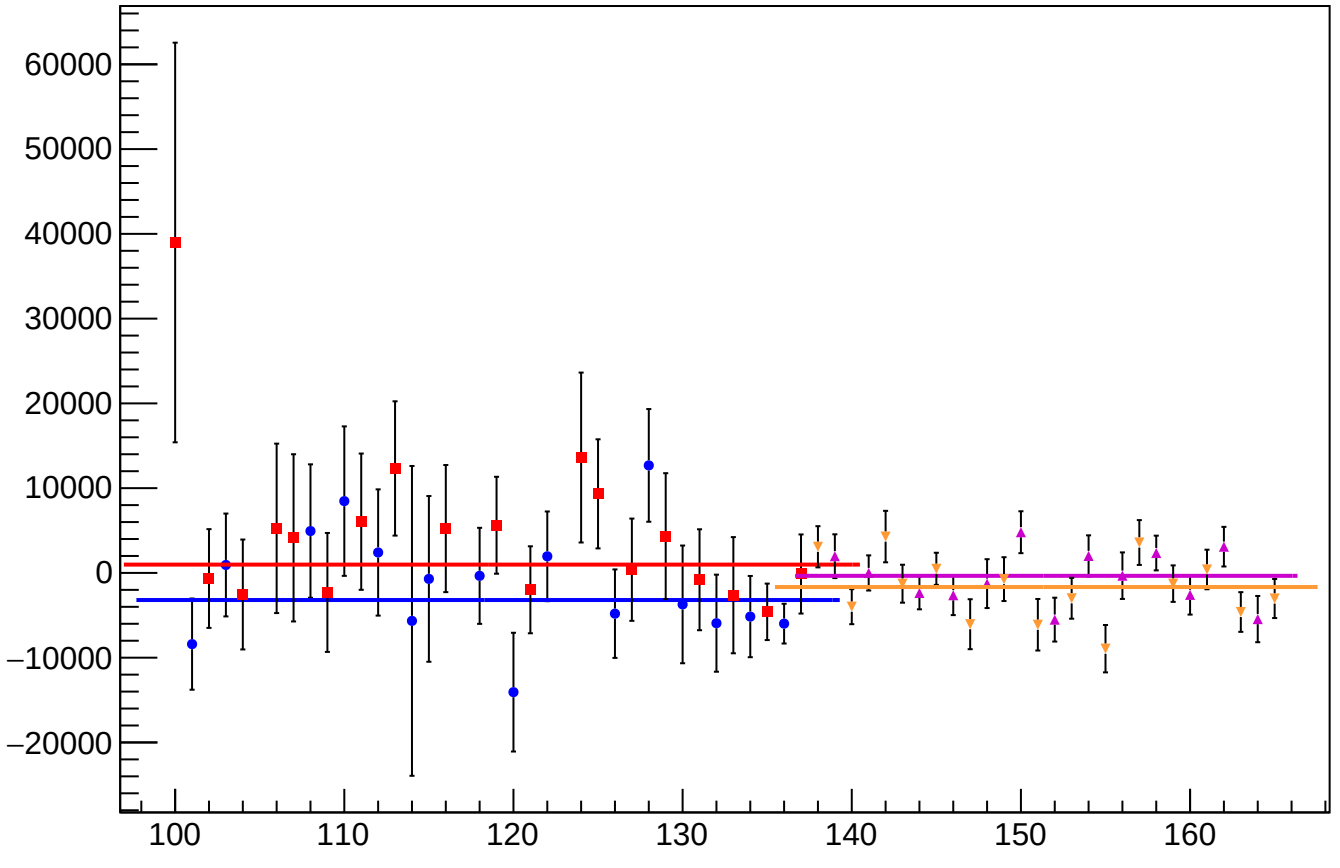
Left: 267.488+/-0.040 χ^2/NDF: 346428.3/27

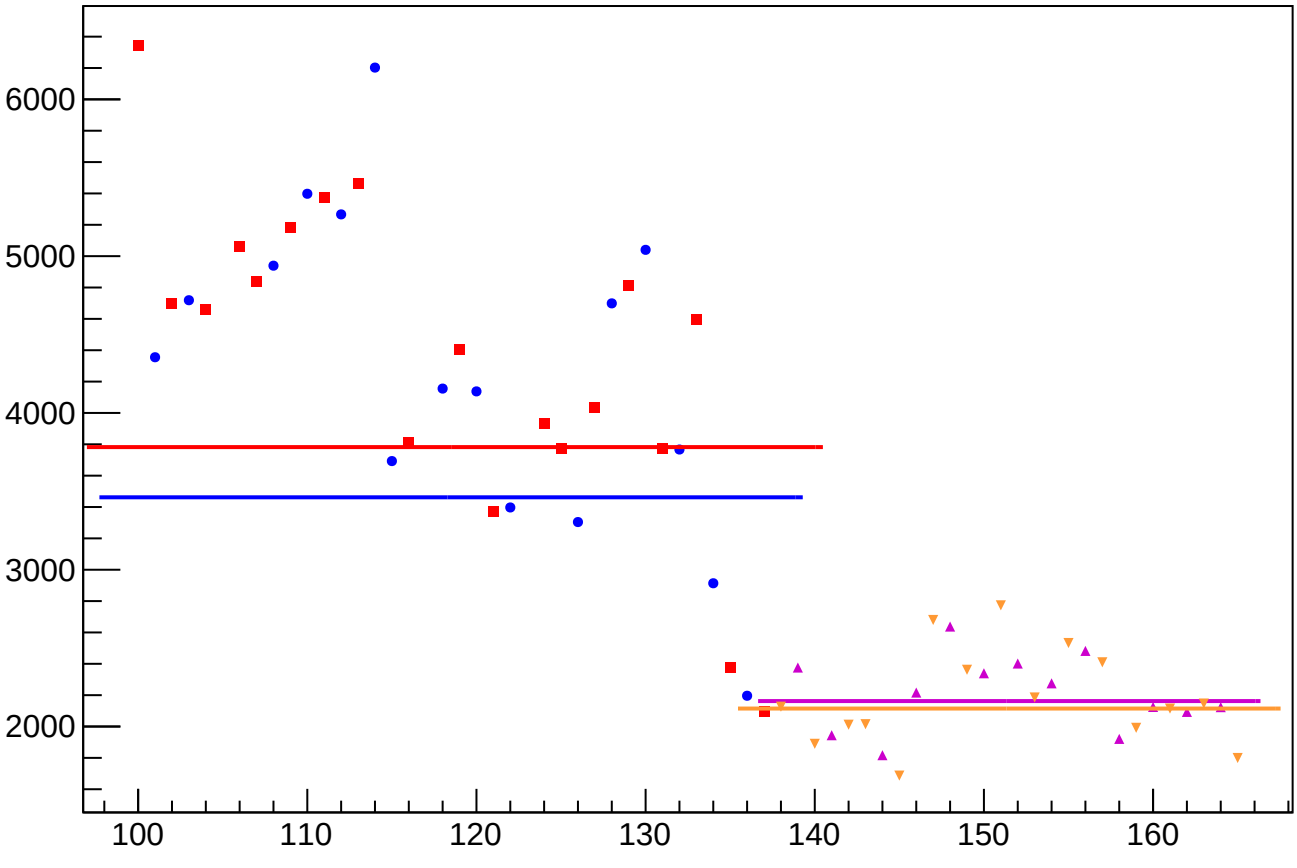
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.807+/-0.048 χ^2/NDF:952536.2/28

Out: 282.099+/-0.046 χ^2/NDF:1152333.5/33

All: 282.442+/-0.033 χ^2/NDF: 2104983.8/62


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1663.995+/-622.939 χ²/NDF:28.5/14
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -343.170+/-658.320 χ²/NDF:20.5/12
Left: -1040.028+/-452.476 χ²/NDF: 51.2/27
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -889.252+/-592.035 χ²/NDF:40.2/28
Out: -1249.607+/-572.063 χ²/NDF:45.3/33
All: -1075.610+/-411.389 χ²/NDF: 85.7/62



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2114.665+/-0.440 χ^2/NDF:433124.4/14

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

Left: 2137.183+/-0.320 χ^2/NDF: 683106.3/27

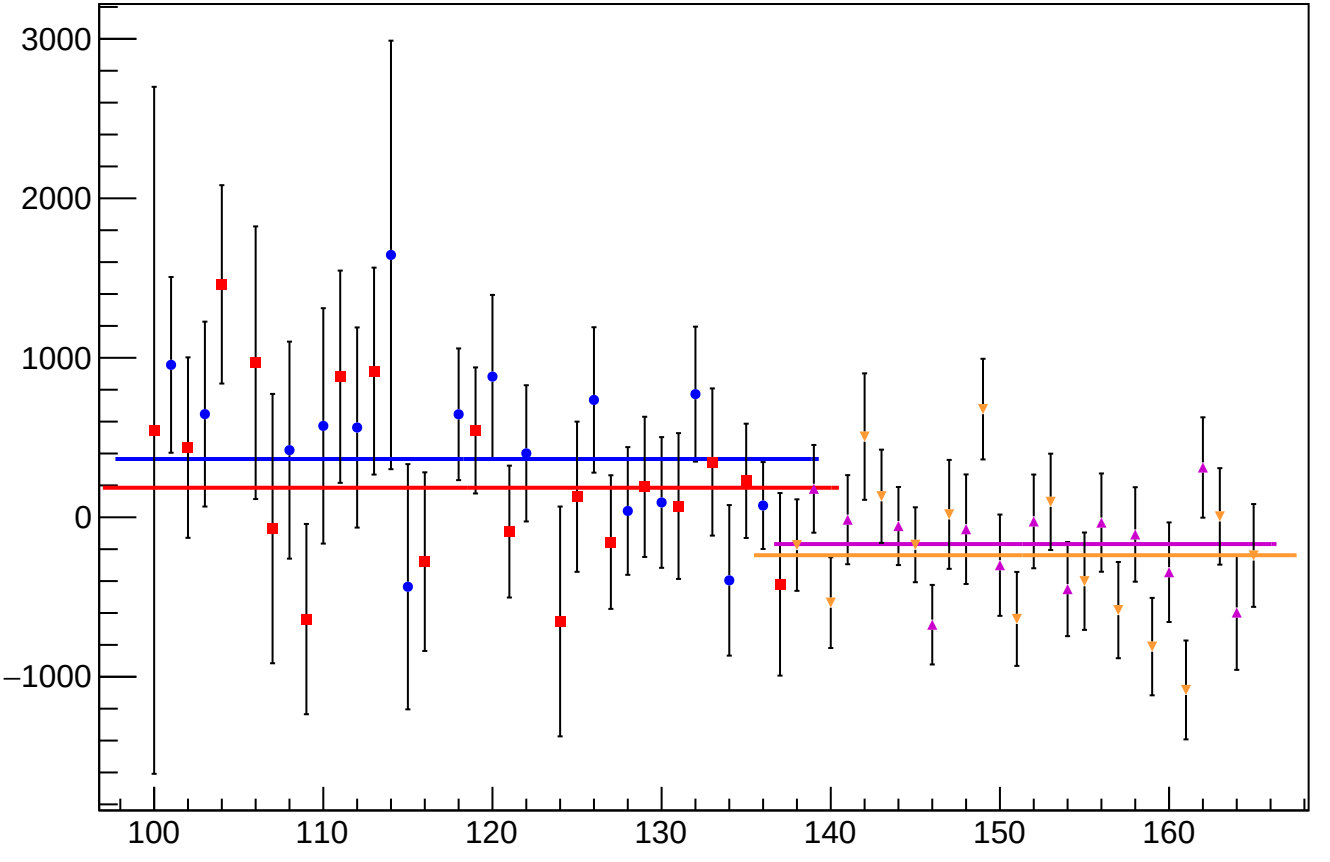
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2410.865+/-0.419 χ^2/NDF:3044610.7/28

Out: 2375.918+/-0.405 χ^2/NDF:3814740.1/33

All: 2392.792+/-0.291 χ^2/NDF: 6862954.7/62

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.750+/-77.798 χ^2/NDF:31.6/14

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -167.889+/-81.571 χ^2/NDF:11.9/12

Left: -204.472+/-56.298 χ^2/NDF: 43.9/27

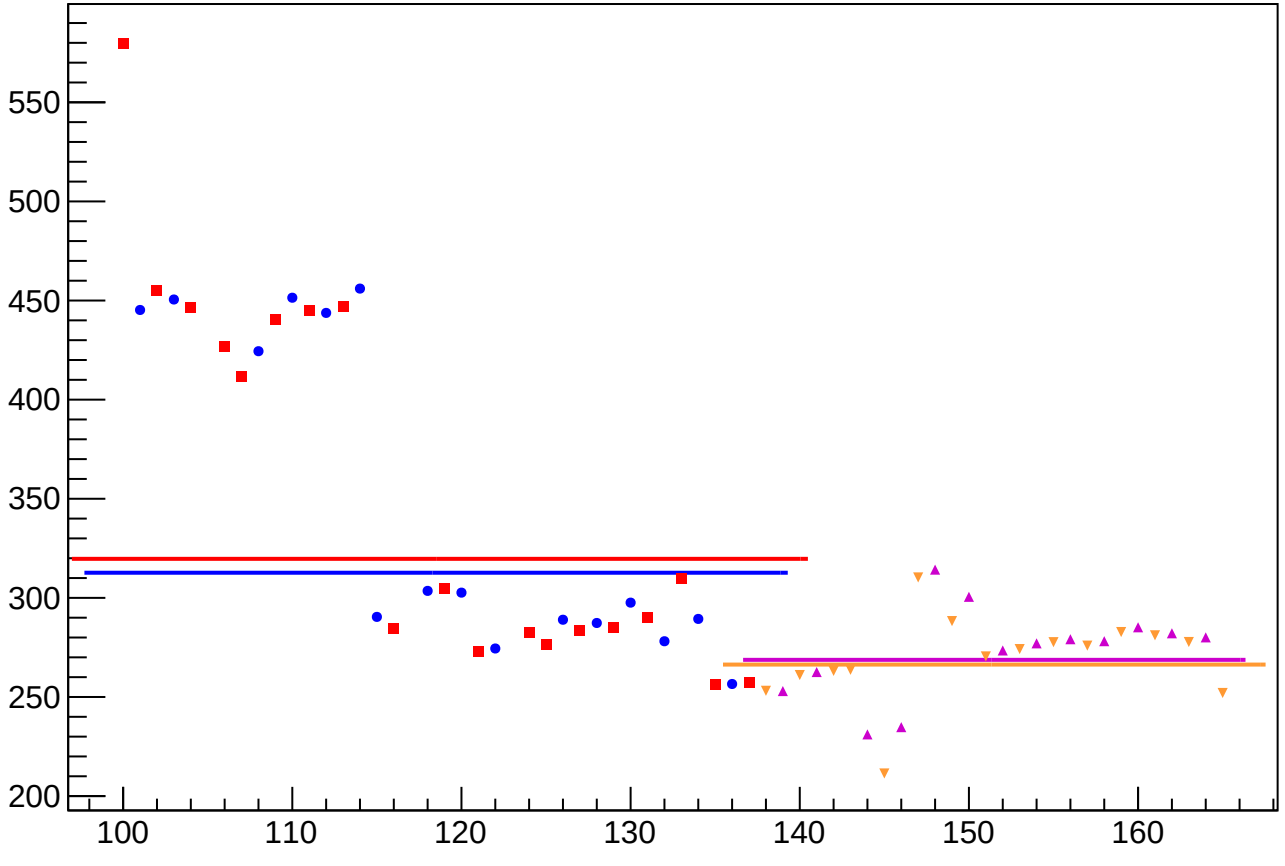
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 2.874+/-67.259 χ^2/NDF:37.1/28

Out: -112.838+/-65.312 χ^2/NDF:55.2/33

All: -56.681+/-46.856 χ^2/NDF: 93.9/62

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

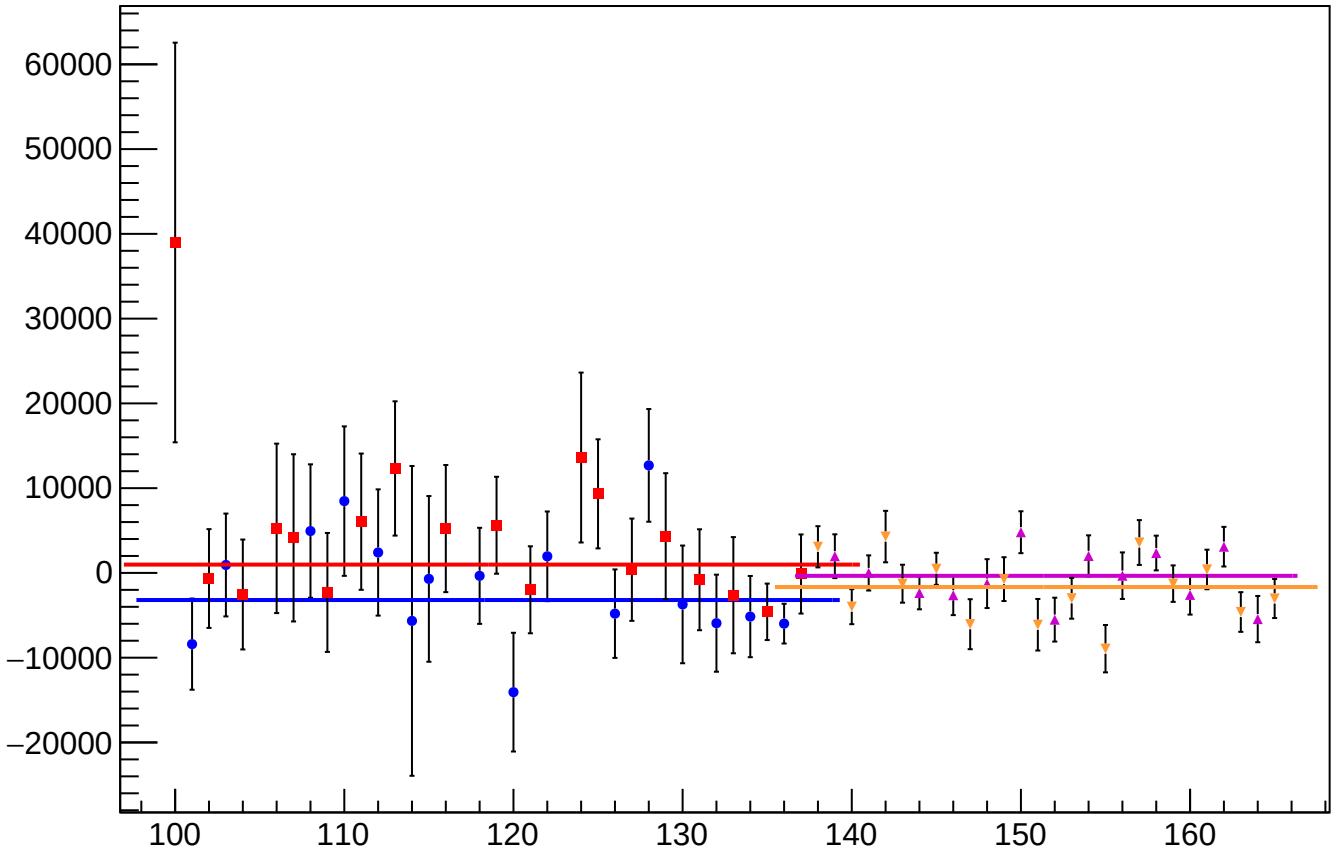
Left: 267.488+/-0.040 χ^2/NDF: 346428.3/27

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.807+/-0.048 χ^2/NDF:952536.2/28

Out: 282.099+/-0.046 χ^2/NDF:1152333.5/33

All: 282.442+/-0.033 χ^2/NDF: 2104983.8/62



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1663.995+/-622.939 χ^2/NDF:28.5/14

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -343.170+/-658.320 χ^2/NDF:20.5/12

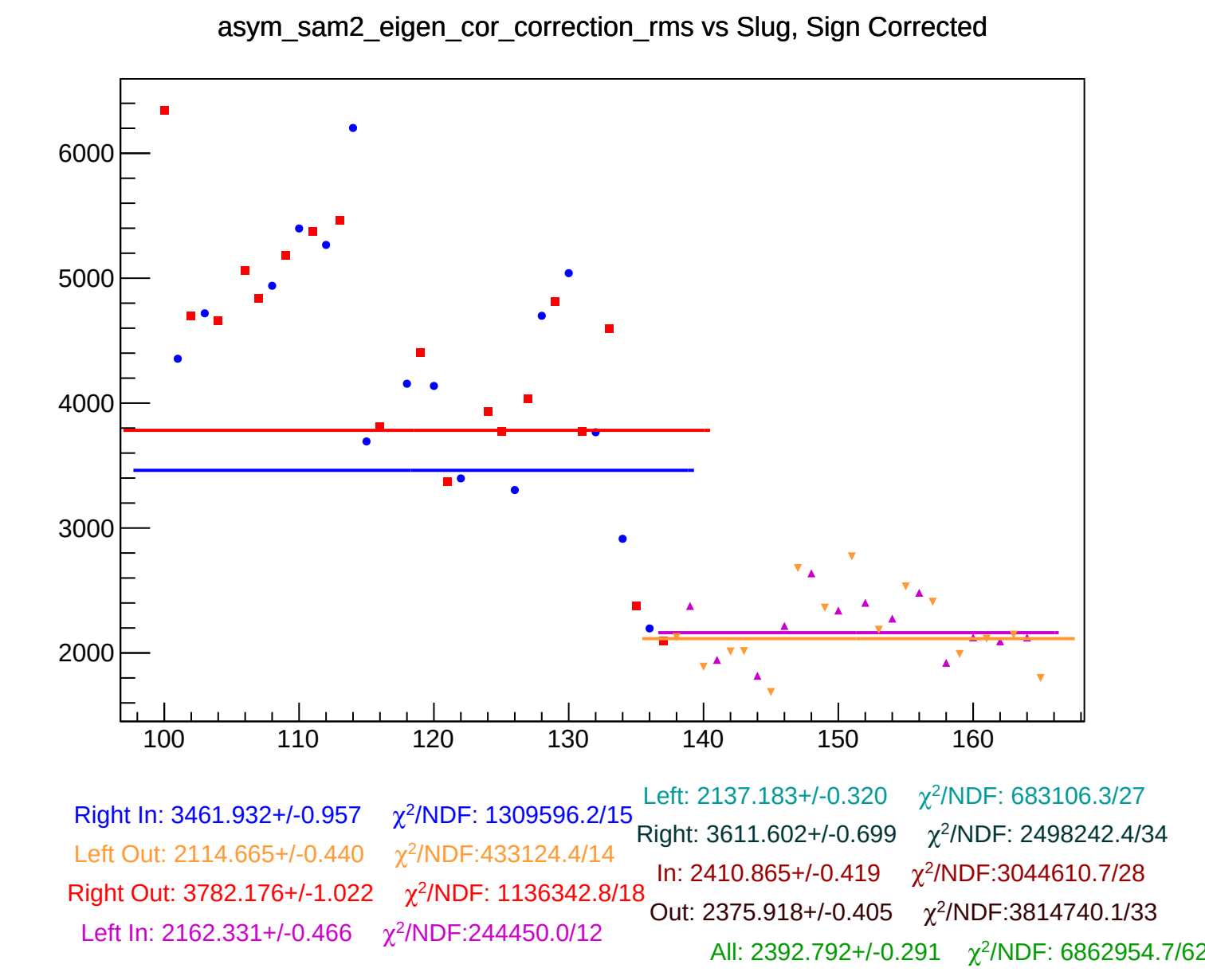
Left: -1040.028+/-452.476 χ^2/NDF: 51.2/27

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -889.252+/-592.035 χ^2/NDF:40.2/28

Out: -1249.607+/-572.063 χ^2/NDF:45.3/33

All: -1075.610+/-411.389 χ^2/NDF: 85.7/62


asym_sam2_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
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120
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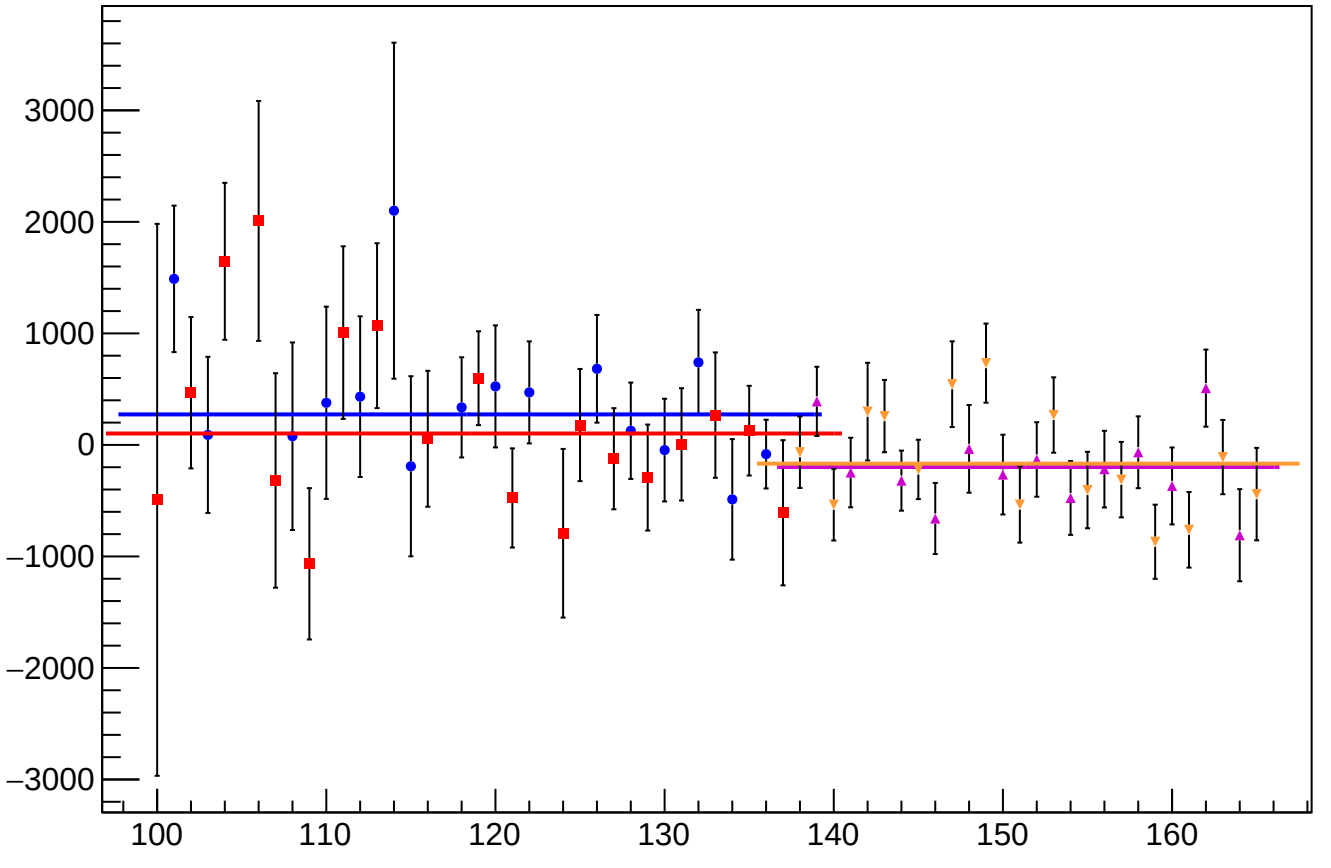
140
150
160
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2114.665+/-0.440 χ²/NDF:433124.4/14
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 2162.331+/-0.466 χ²/NDF:244450.0/12
Left: 2137.183+/-0.320 χ²/NDF: 683106.3/27
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 2410.865+/-0.419 χ²/NDF:3044610.7/28
Out: 2375.918+/-0.405 χ²/NDF:3814740.1/33
All: 2392.792+/-0.291 χ²/NDF: 6862954.7/62



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -167.882+/-87.657 χ^2/NDF:25.6/14

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -198.228+/-92.290 χ^2/NDF:13.7/12

Left: -182.274+/-63.557 χ^2/NDF: 39.4/27

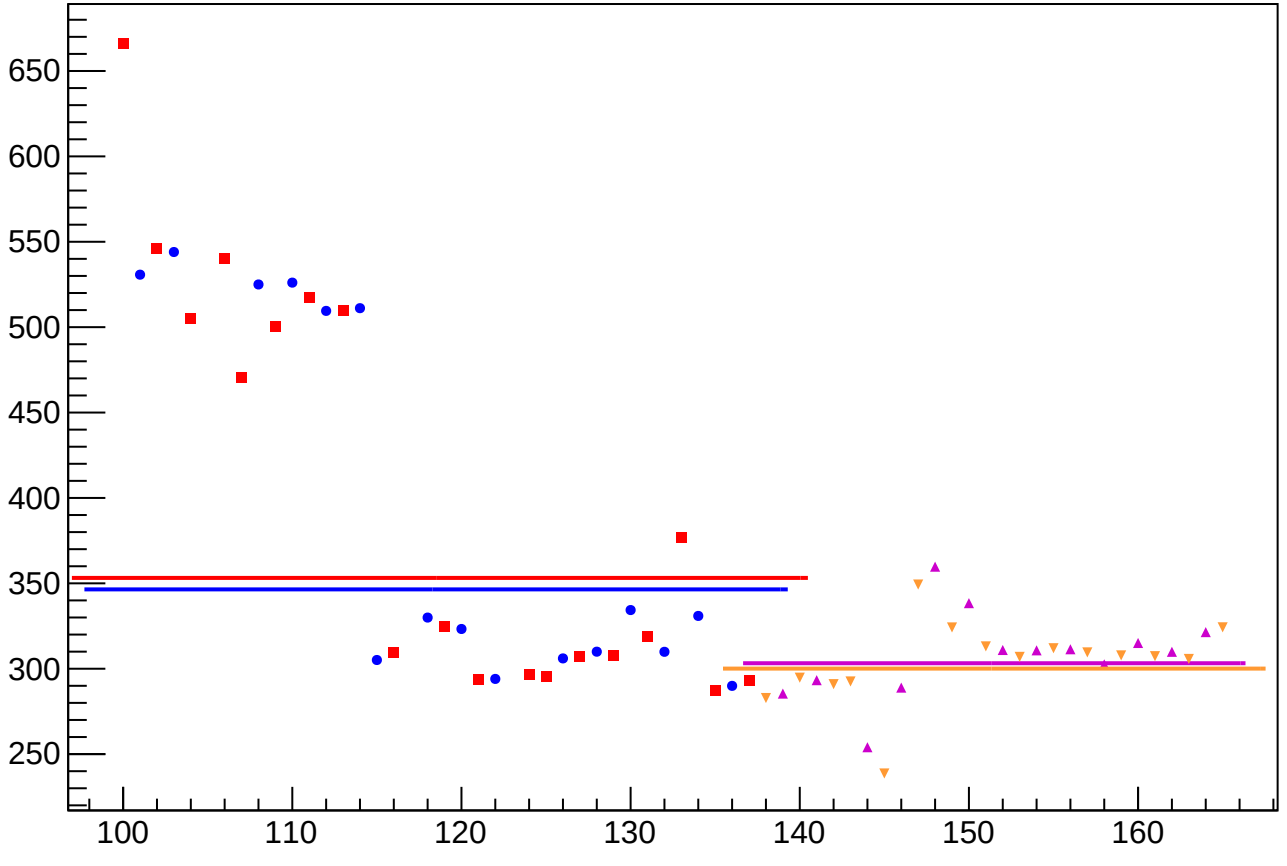
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -44.163+/-75.737 χ^2/NDF:33.7/28

Out: -86.559+/-73.291 χ^2/NDF:49.8/33

All: -66.057+/-52.668 χ^2/NDF: 83.6/62

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 300.075+/-0.062 χ^2/NDF:173844.6/14

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 303.216+/-0.065 χ^2/NDF:150325.6/12

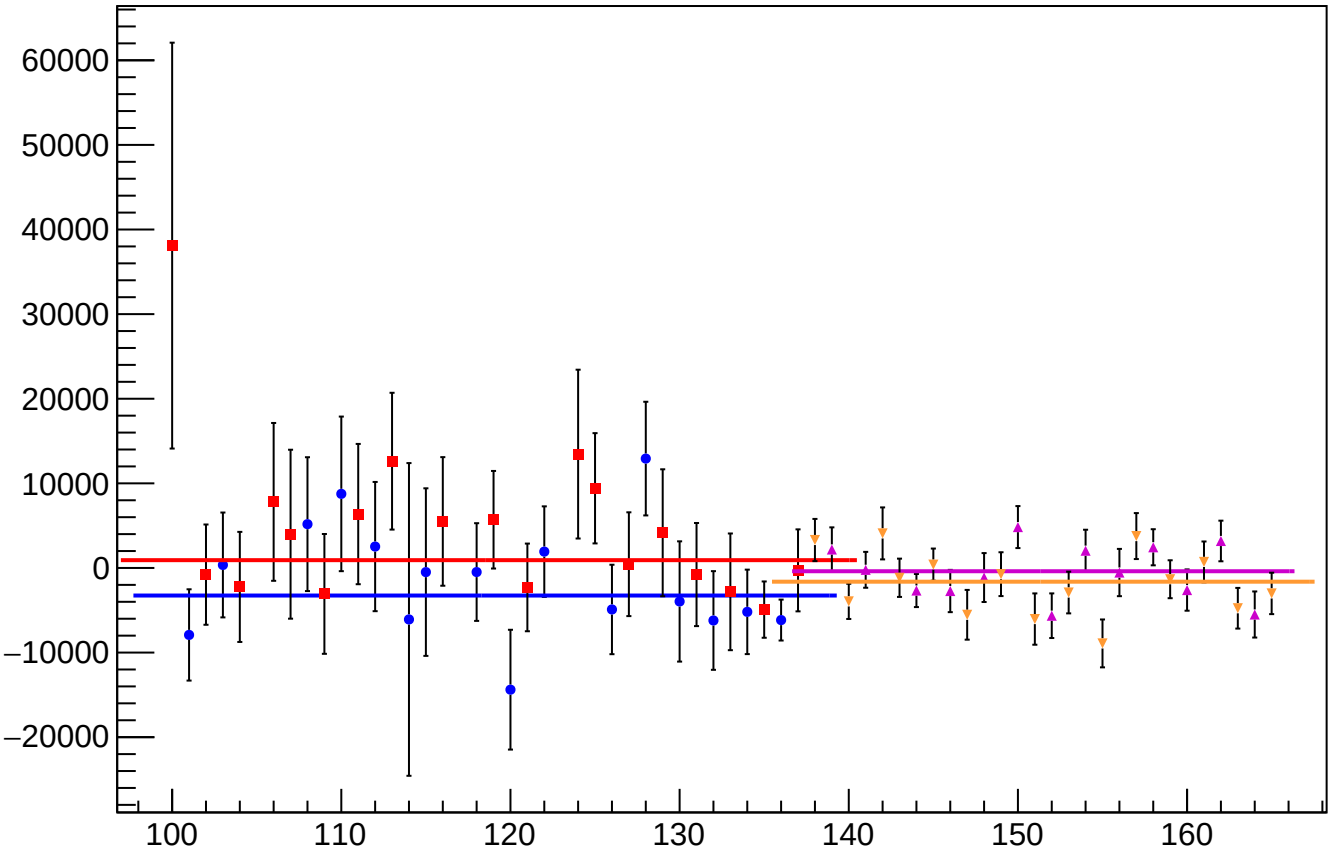
Left: 301.565+/-0.045 χ^2/NDF: 325388.6/27

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.336+/-0.054 χ^2/NDF:1062442.2/28

Out: 316.054+/-0.052 χ^2/NDF:1261083.3/33

All: 316.674+/-0.037 χ^2/NDF: 2323821.2/62



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1622.750+/-635.043 χ^2/NDF:27.6/14

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -387.318+/-673.714 χ^2/NDF:21.0/12

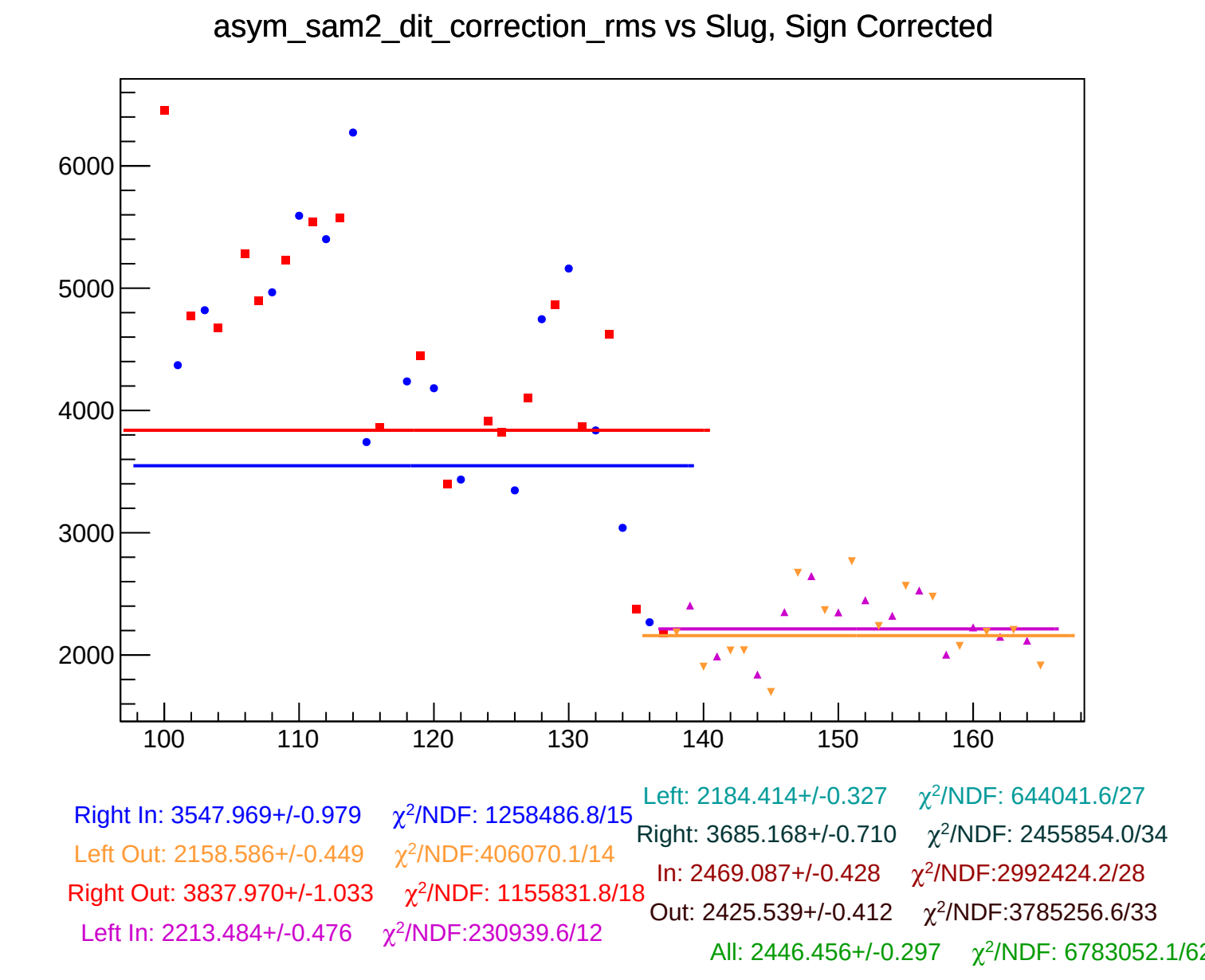
Left: -1041.507+/-462.110 χ^2/NDF: 50.4/27

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -937.319+/-605.767 χ^2/NDF:40.5/28

Out: -1218.367+/-582.387 χ^2/NDF:44.8/33

All: -1083.371+/-419.832 χ^2/NDF: 85.4/62


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
6000
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130
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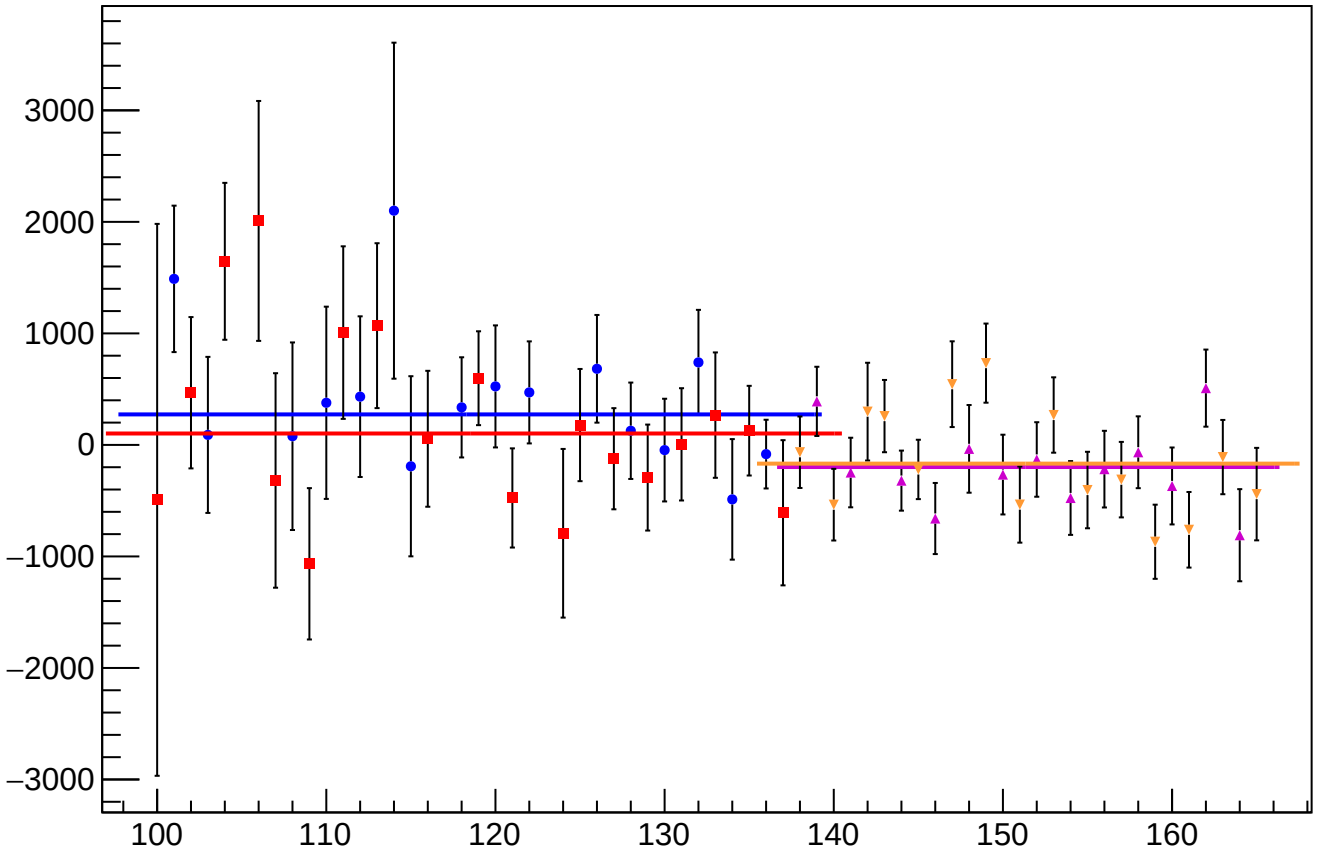
150
160
Right In: 3547.969+/-0.979 χ²/NDF: 1258486.8/15
Left Out: 2158.586+/-0.449 χ²/NDF:406070.1/14
Right Out: 3837.970+/-1.033 χ²/NDF: 1155831.8/18
Left In: 2213.484+/-0.476 χ²/NDF:230939.6/12
Left: 2184.414+/-0.327 χ²/NDF: 644041.6/27
Right: 3685.168+/-0.710 χ²/NDF: 2455854.0/34
In: 2469.087+/-0.428 χ²/NDF:2992424.2/28
Out: 2425.539+/-0.412 χ²/NDF:3785256.6/33
All: 2446.456+/-0.297 χ²/NDF: 6783052.1/62



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -167.881+/-87.657 χ^2/NDF:25.6/14

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -198.232+/-92.290 χ^2/NDF:13.7/12

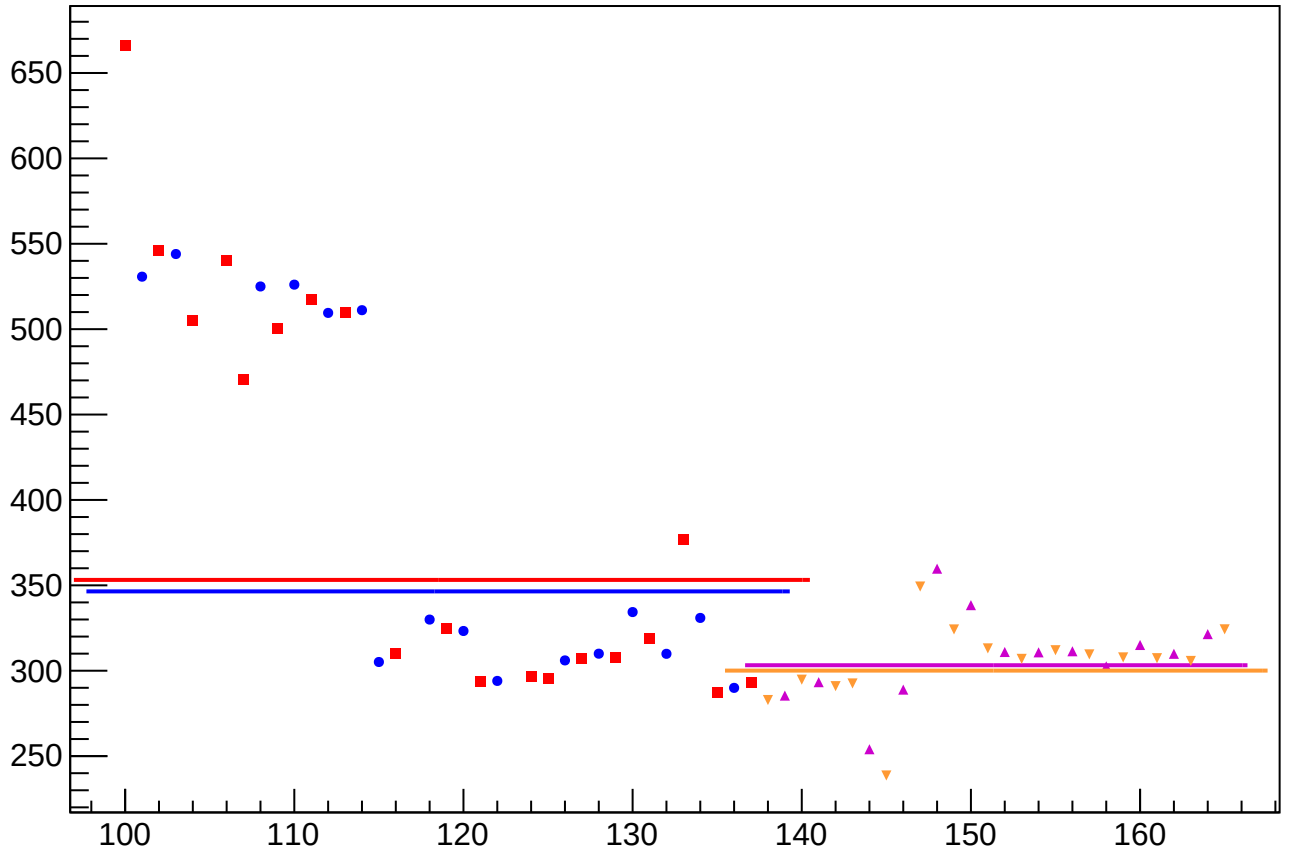
Left: -182.276+/-63.557 χ^2/NDF: 39.4/27

Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -44.163+/-75.737 χ^2/NDF:33.7/28

Out: -86.559+/-73.291 χ^2/NDF:49.8/33

All: -66.057+/-52.668 χ^2/NDF: 83.6/62



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 300.075+/-0.062 χ^2/NDF:173847.8/14

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 303.216+/-0.065 χ^2/NDF:150327.7/12

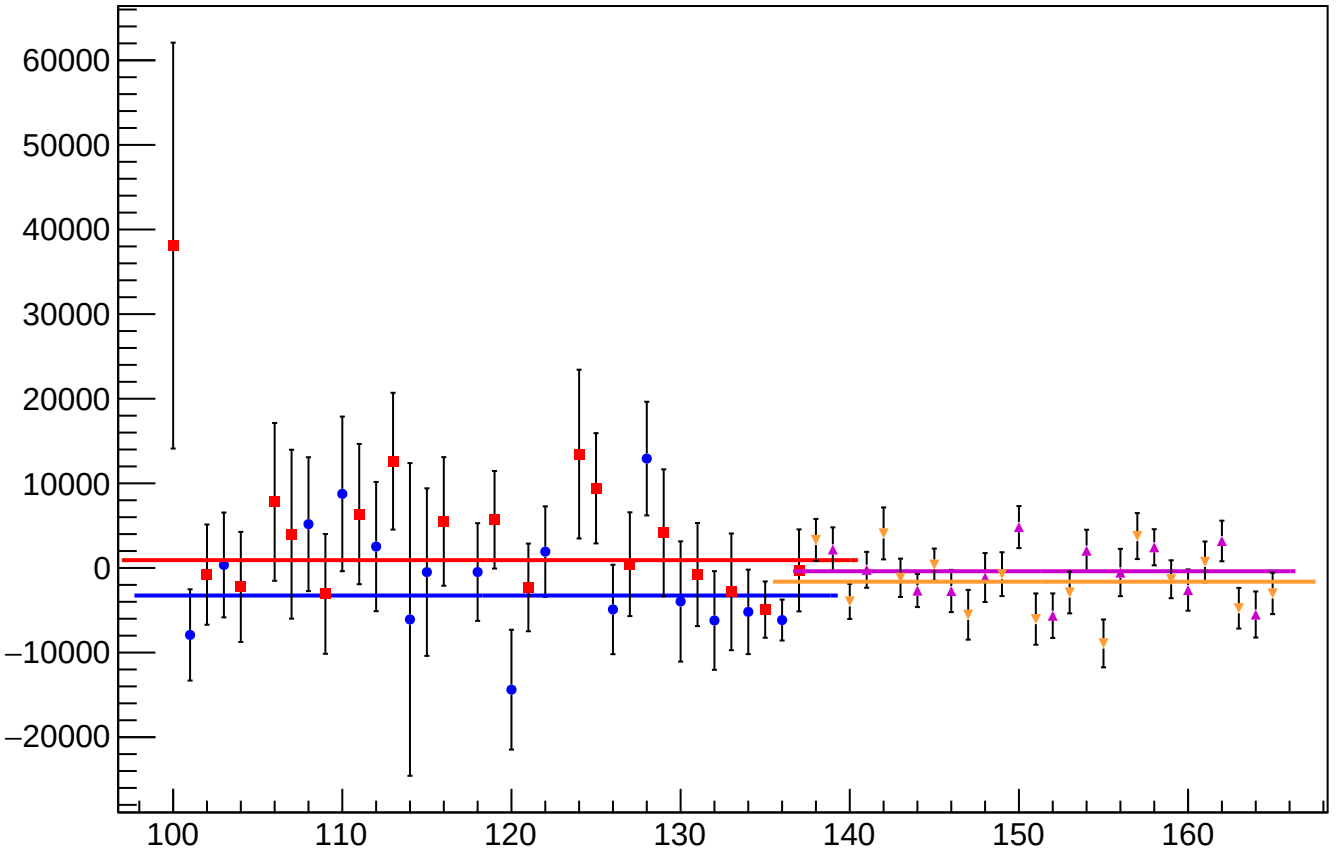
Left: 301.565+/-0.045 χ^2/NDF: 325393.8/27

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.335+/-0.054 χ^2/NDF:1062423.4/28

Out: 316.054+/-0.052 χ^2/NDF:1261065.2/33

All: 316.673+/-0.037 χ^2/NDF: 2323784.1/62



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1622.746+/-635.043 χ^2/NDF:27.6/14

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -387.316+/-673.714 χ^2/NDF:21.0/12

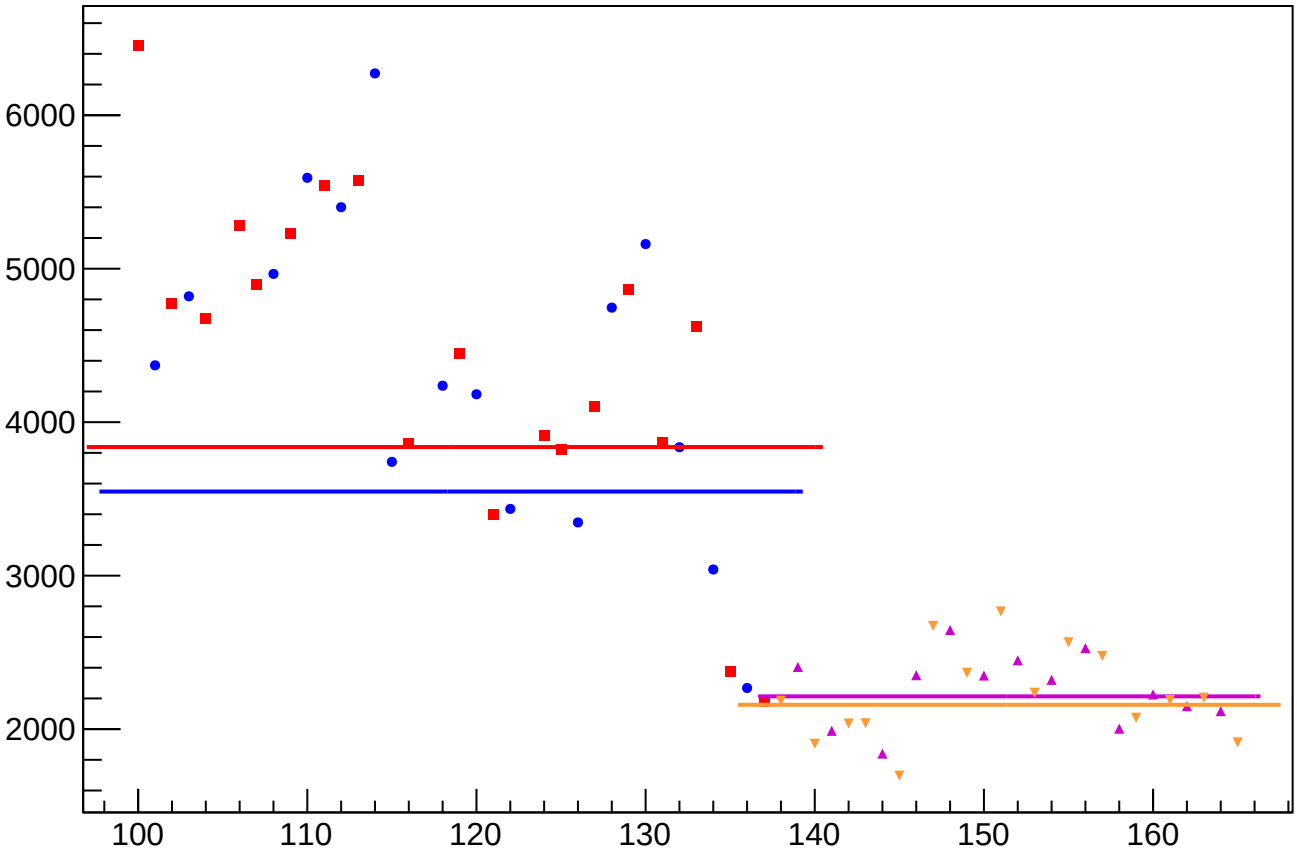
Left: -1041.504+/-462.110 χ^2/NDF: 50.4/27

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -937.318+/-605.767 χ^2/NDF:40.5/28

Out: -1218.362+/-582.387 χ^2/NDF:44.8/33

All: -1083.368+/-419.832 χ^2/NDF: 85.4/62



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2158.585+/-0.449 χ^2/NDF:406076.5/14

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2213.483+/-0.476 χ^2/NDF:230940.8/12

Left: 2184.414+/-0.327 χ^2/NDF: 644049.3/27

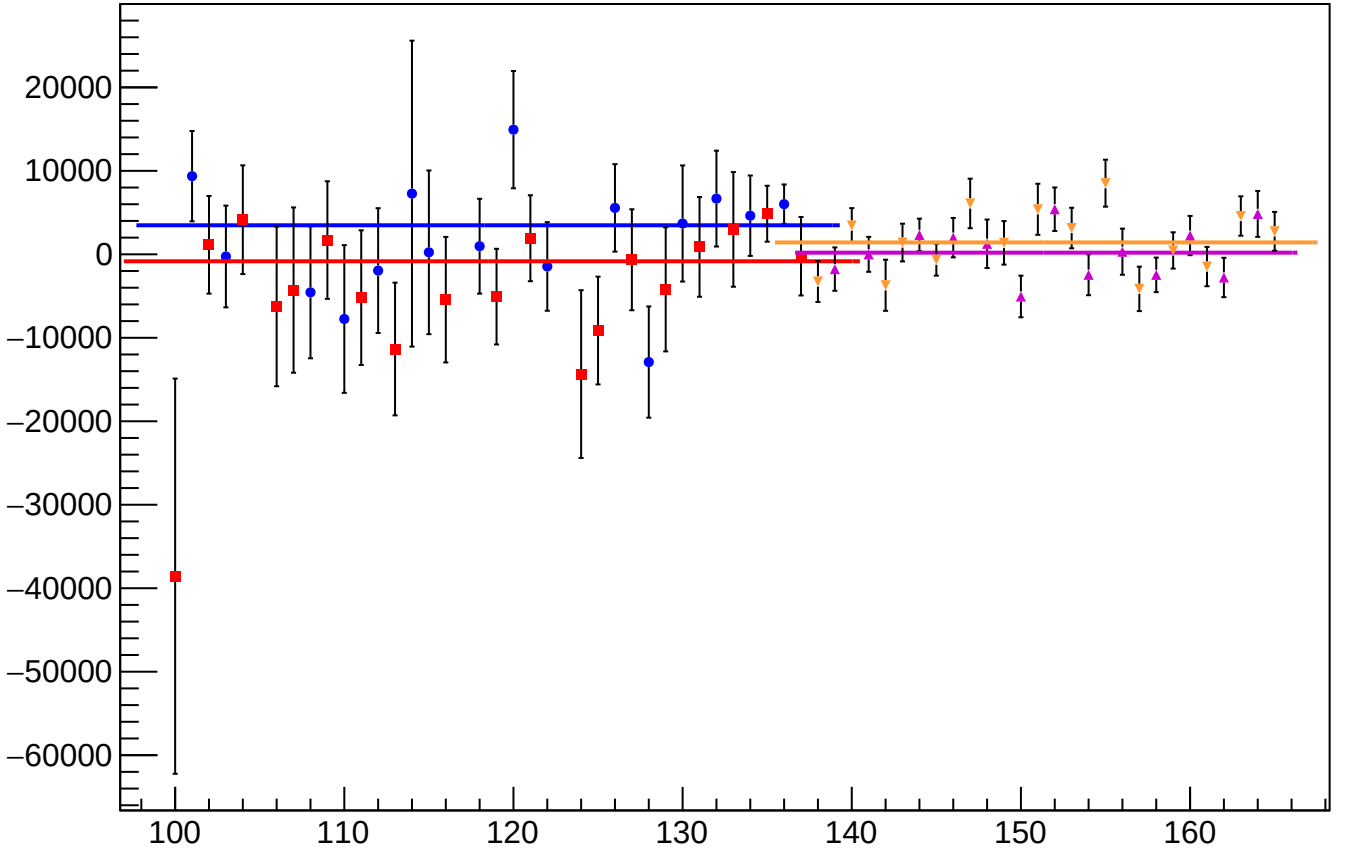
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2469.086+/-0.428 χ^2/NDF:2992408.1/28

Out: 2425.538+/-0.412 χ^2/NDF:3785248.6/33

All: 2446.456+/-0.297 χ^2/NDF: 6783028.1/62

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1427.454+/-628.032 χ^2/NDF:27.8/14

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 198.375+/-663.611 χ^2/NDF:18.9/12

Left: 846.745+/-456.145 χ^2/NDF: 48.6/27

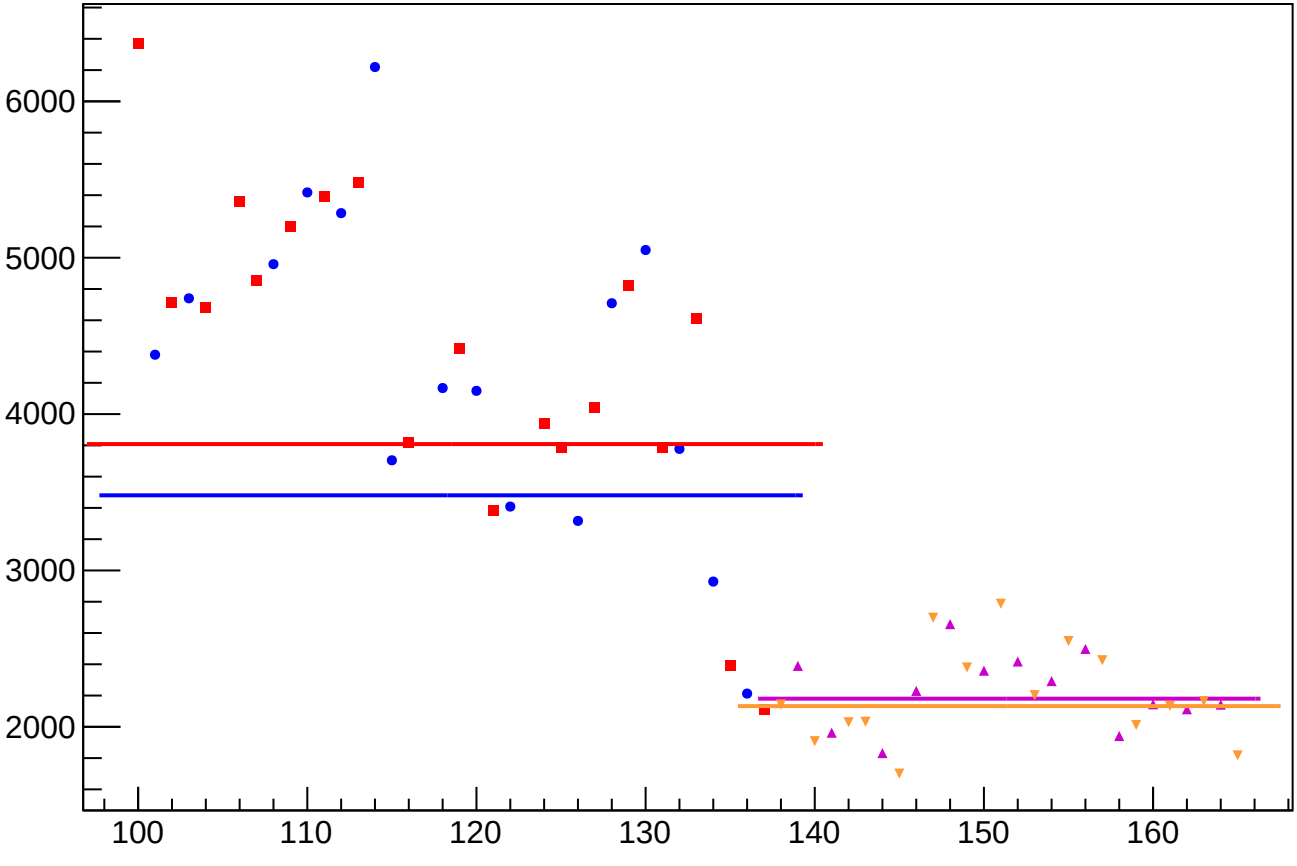
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 828.876+/-596.429 χ^2/NDF:40.0/28

Out: 1070.304+/-576.276 χ^2/NDF:43.9/33

All: 953.737+/-414.430 χ^2/NDF: 83.9/62

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2132.409+/-0.444 χ^2/NDF:426958.8/14

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2180.026+/-0.469 χ^2/NDF:240187.9/12

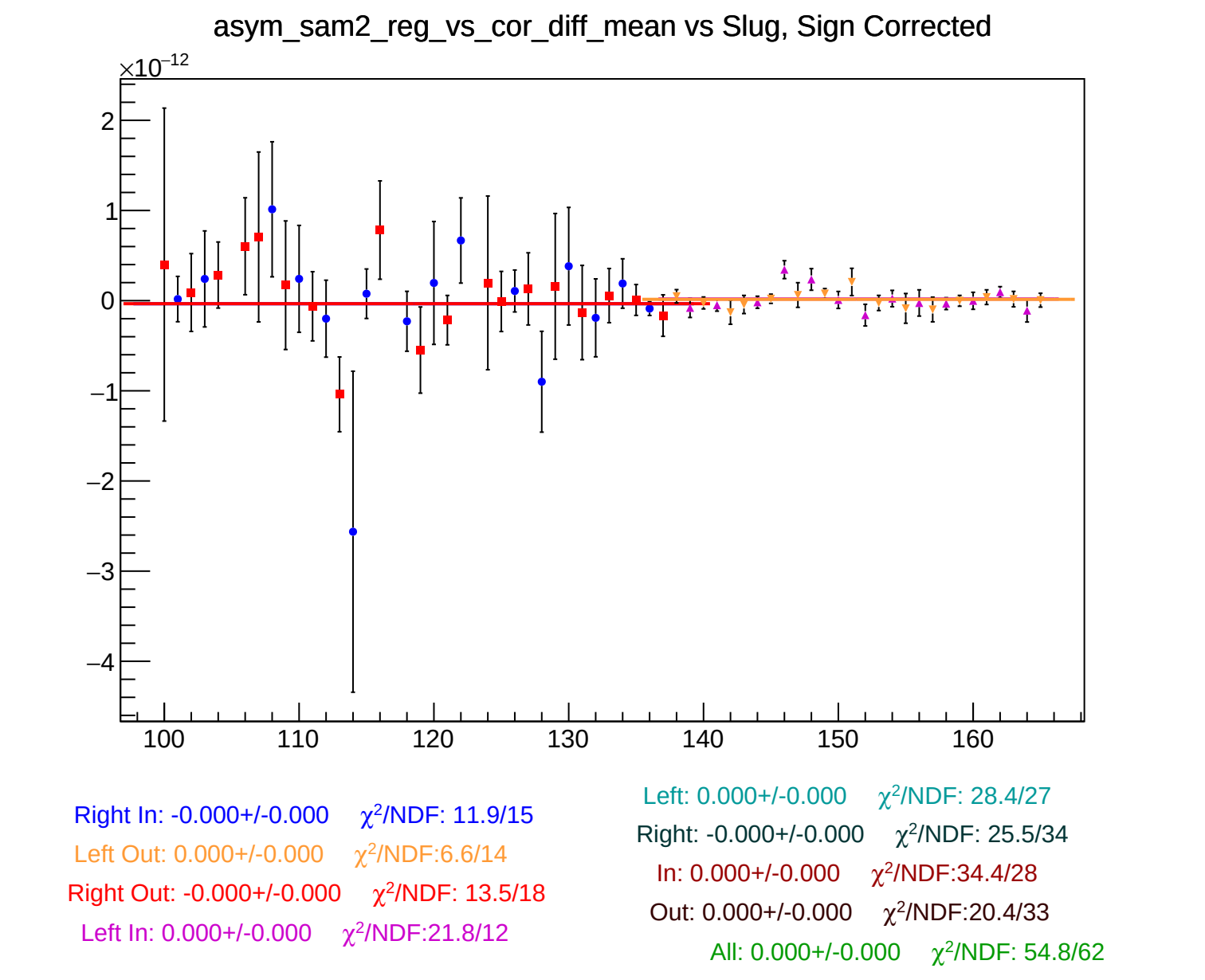
Left: 2154.907+/-0.323 χ^2/NDF: 672578.7/27

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2430.022+/-0.422 χ^2/NDF:3013413.2/28

Out: 2397.224+/-0.407 χ^2/NDF:3824697.8/33

All: 2413.059+/-0.293 χ^2/NDF: 6841238.9/62


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
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−2
−3
−4
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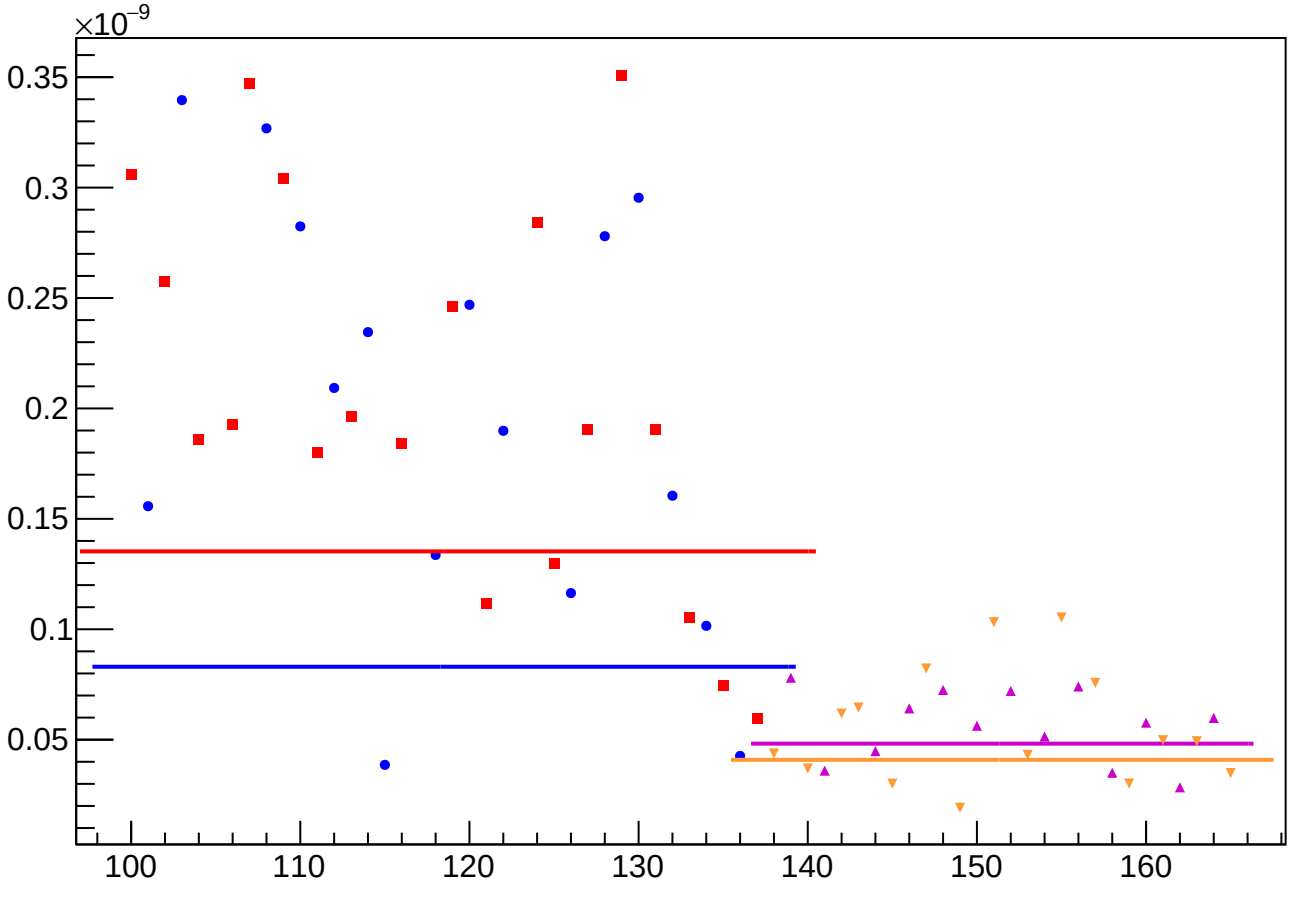
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:21.8/12
Left: 0.000+/-0.000 χ²/NDF: 28.4/27
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:34.4/28
Out: 0.000+/-0.000 χ²/NDF:20.4/33
All: 0.000+/-0.000 χ²/NDF: 54.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1639794.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:851759.6/12

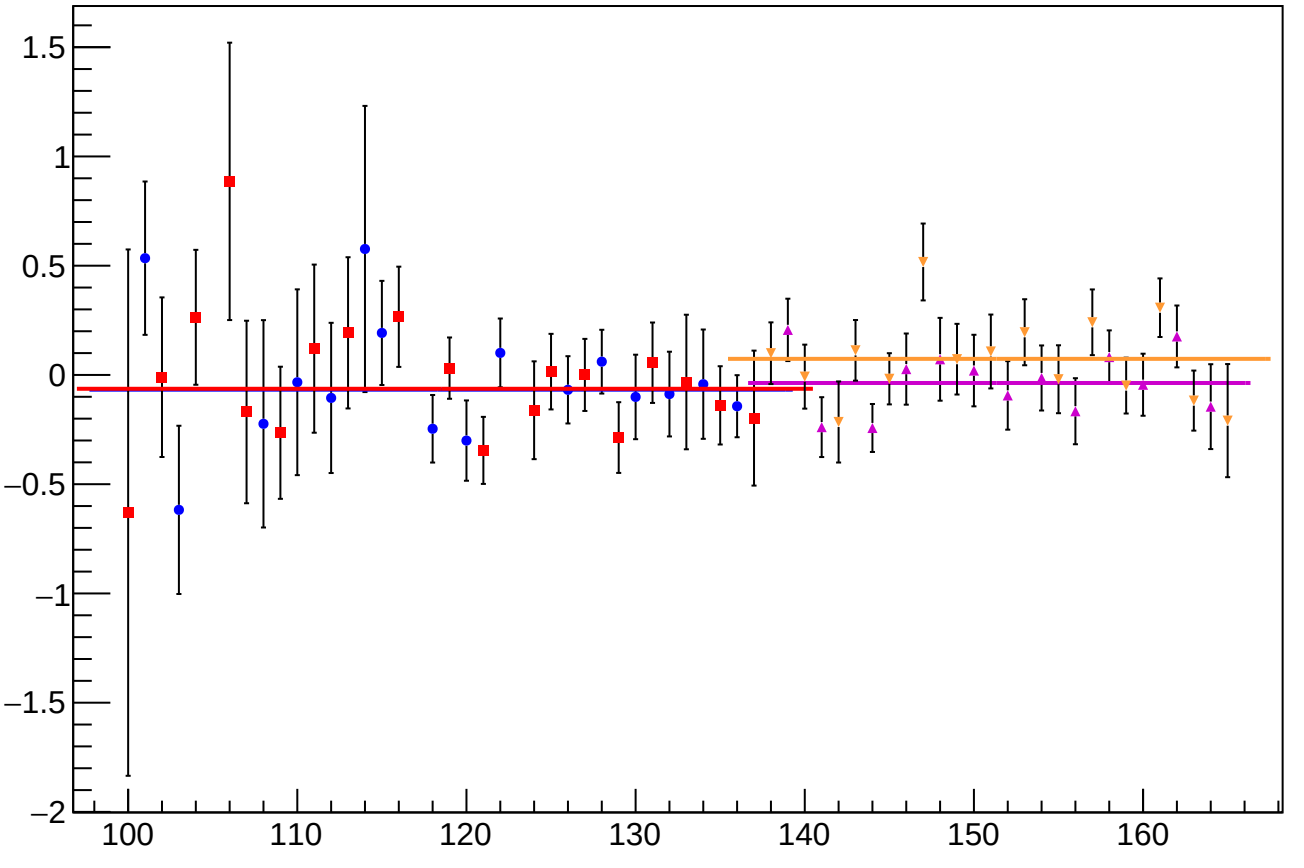
Left: 0.000+/-0.000 χ^2/NDF: 2598101.8/27

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4124751.6/28

Out: 0.000+/-0.000 χ^2/NDF:5376892.1/33

All: 0.000+/-0.000 χ^2/NDF: 9602568.9/62



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

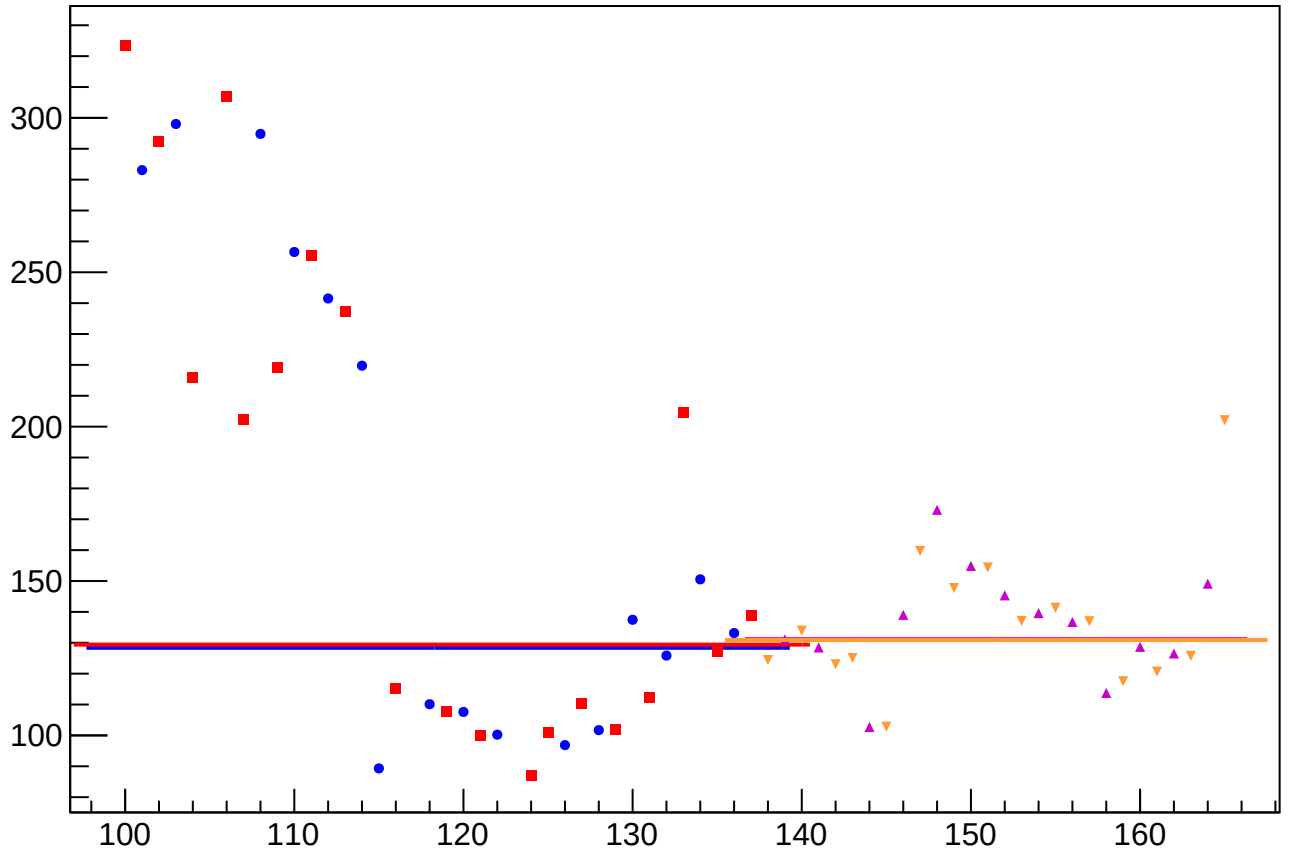
Left: 0.021+/-0.028 χ^2/NDF: 36.7/27

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.011+/-0.022 χ^2/NDF: 66.7/62


asym_sam2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
300
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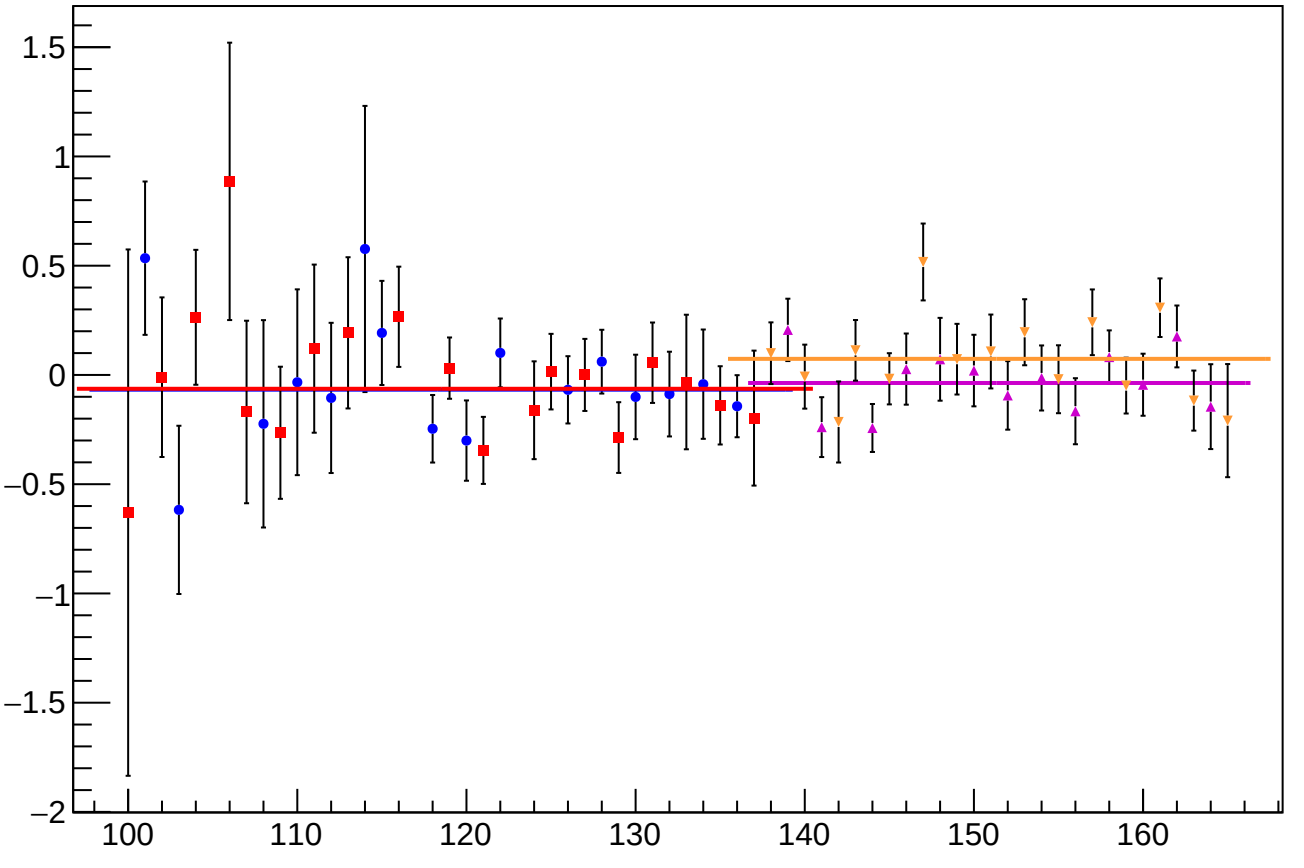
Right In: 128.380+/-0.037 χ²/NDF: 1805078.6/15
Left Out: 130.913+/-0.027 χ²/NDF:444287.3/14
Right Out: 129.399+/-0.037 χ²/NDF: 1888271.6/18
Left In: 131.173+/-0.029 χ²/NDF:365289.2/12
Left: 131.037+/-0.020 χ²/NDF: 809619.9/27
Right: 128.891+/-0.026 χ²/NDF: 3693738.9/34
In: 130.114+/-0.023 χ²/NDF:2173983.3/28
Out: 130.369+/-0.022 χ²/NDF:2333661.5/33
All: 130.246+/-0.016 χ²/NDF: 4507710.8/62



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

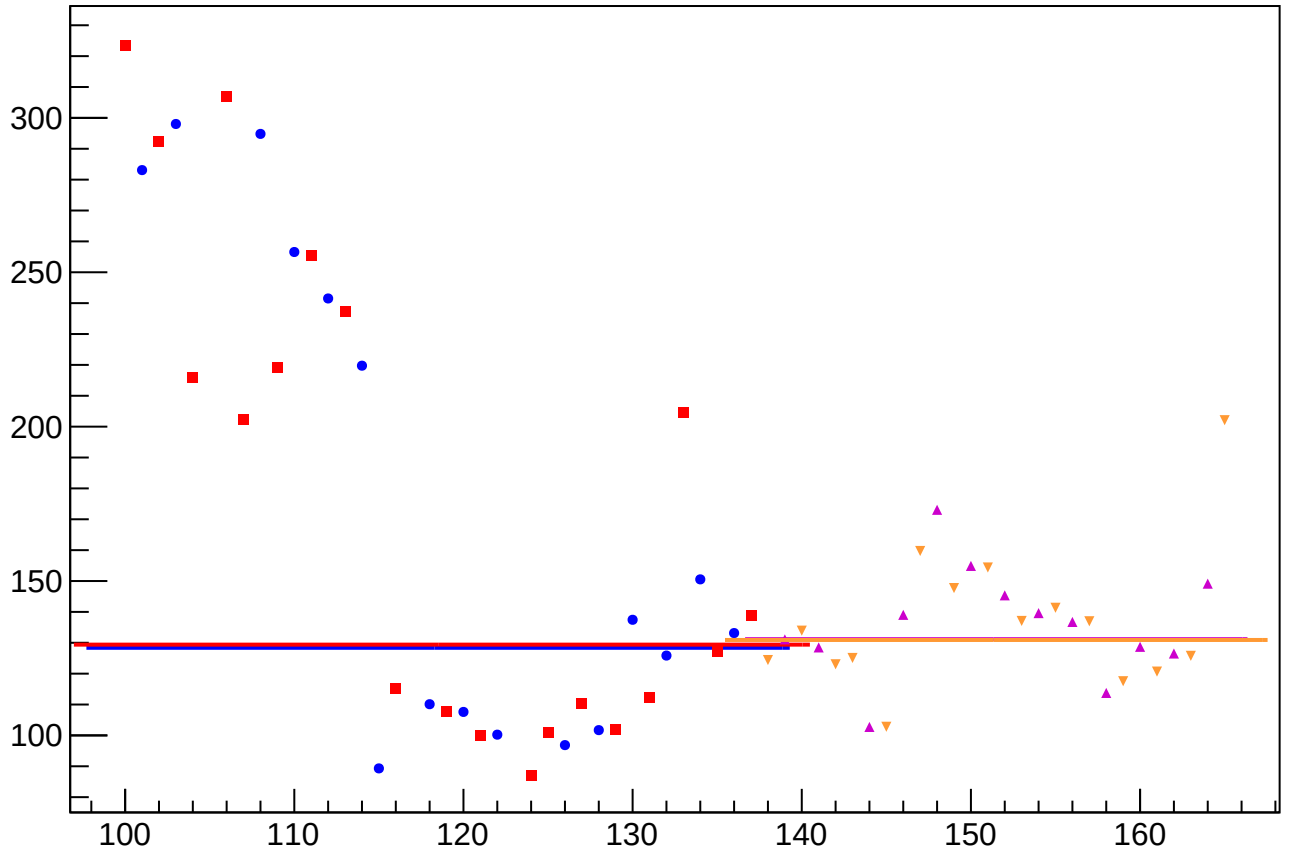
Left: 0.021+/-0.028 χ^2/NDF: 36.7/27

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.011+/-0.022 χ^2/NDF: 66.7/62


asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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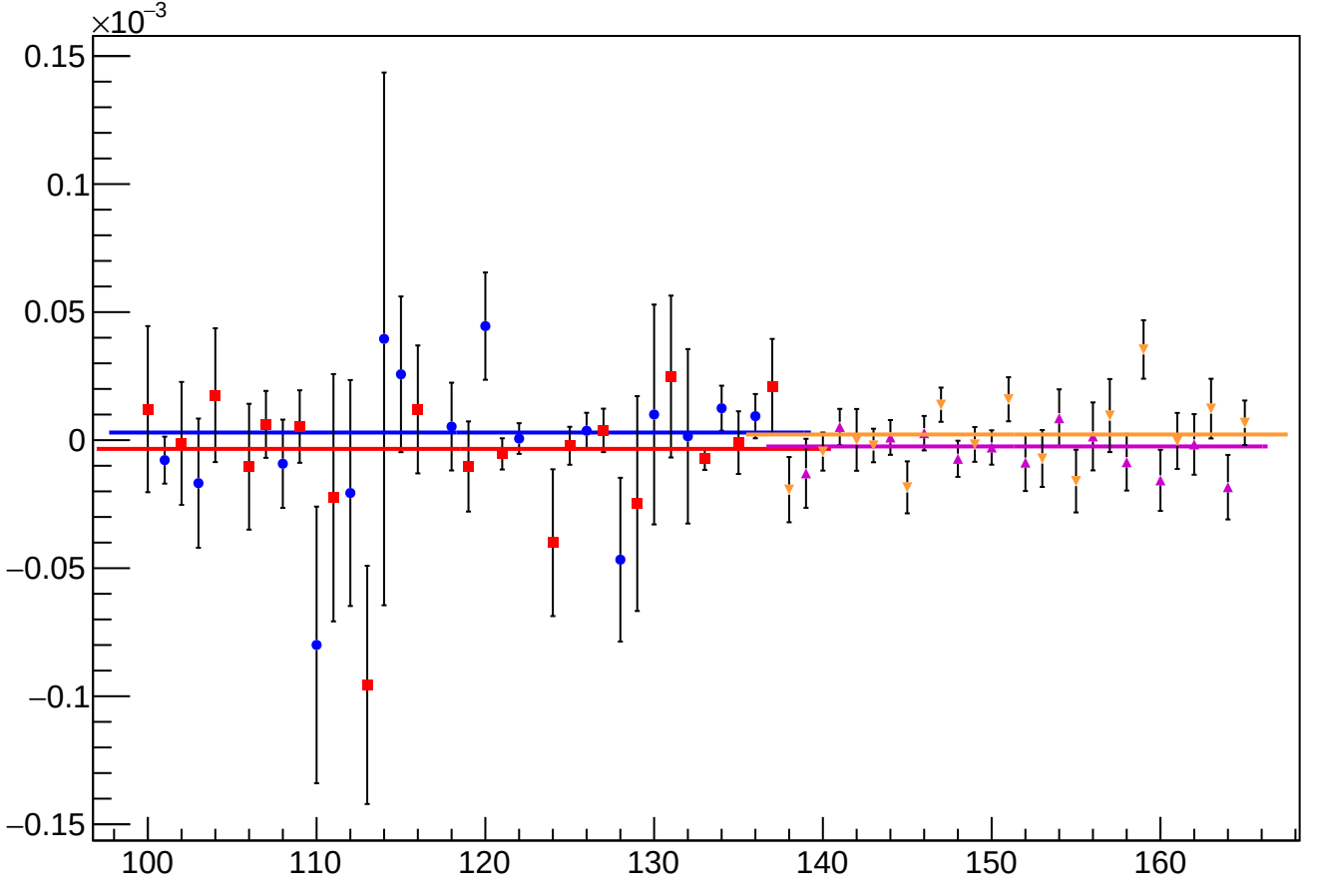
Right In: 128.380+/-0.037 χ²/NDF: 1805078.6/15
Left Out: 130.913+/-0.027 χ²/NDF:444287.3/14
Right Out: 129.399+/-0.037 χ²/NDF: 1888271.6/18
Left In: 131.173+/-0.029 χ²/NDF:365289.2/12
Left: 131.037+/-0.020 χ²/NDF: 809619.9/27
Right: 128.891+/-0.026 χ²/NDF: 3693738.9/34
In: 130.114+/-0.023 χ²/NDF:2173983.3/28
Out: 130.369+/-0.022 χ²/NDF:2333661.5/33
All: 130.246+/-0.016 χ²/NDF: 4507710.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/12

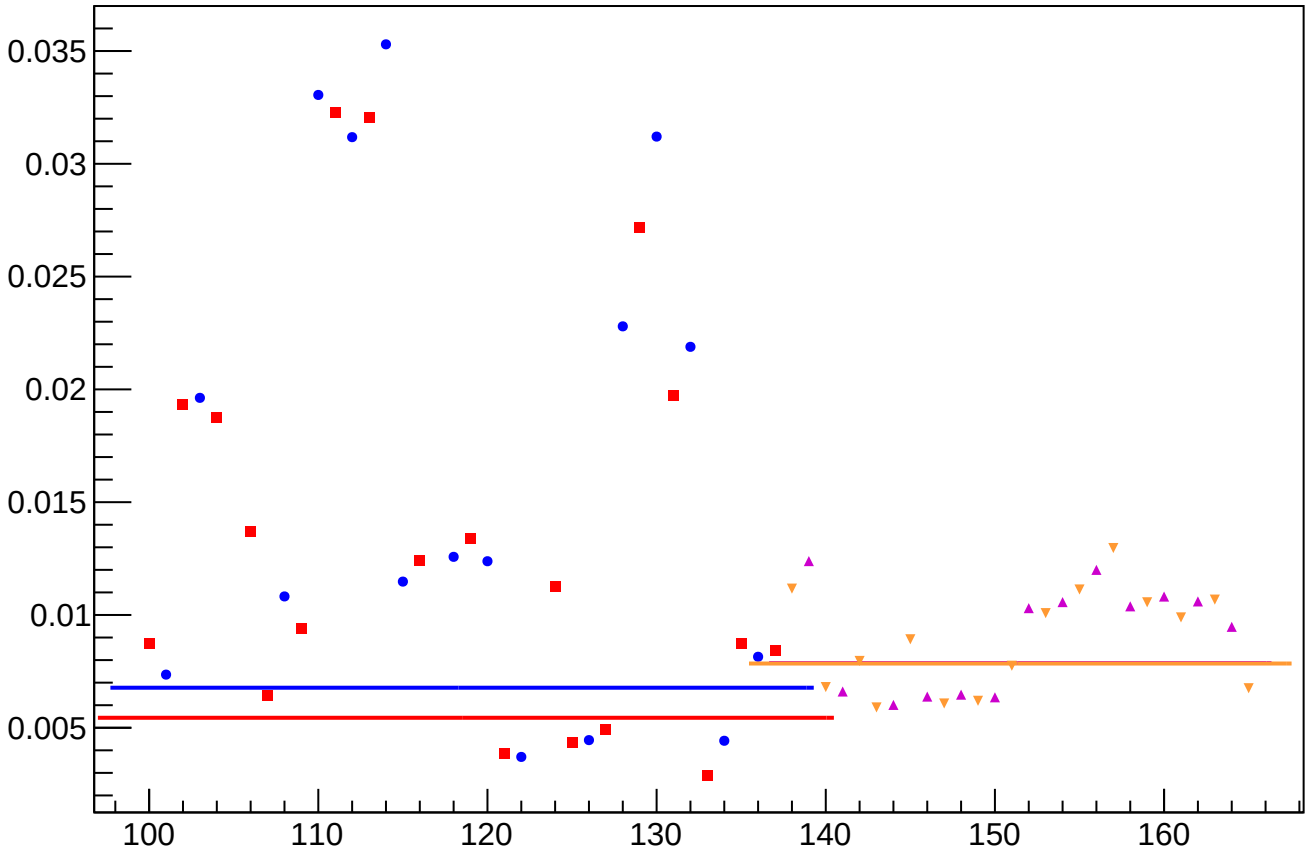
Left: -0.000+/-0.000 χ^2/NDF: 36.4/27

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:23.5/28

Out: -0.000+/-0.000 χ^2/NDF:42.0/33

All: -0.000+/-0.000 χ^2/NDF: 65.6/62



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1449149.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1486575.6/12

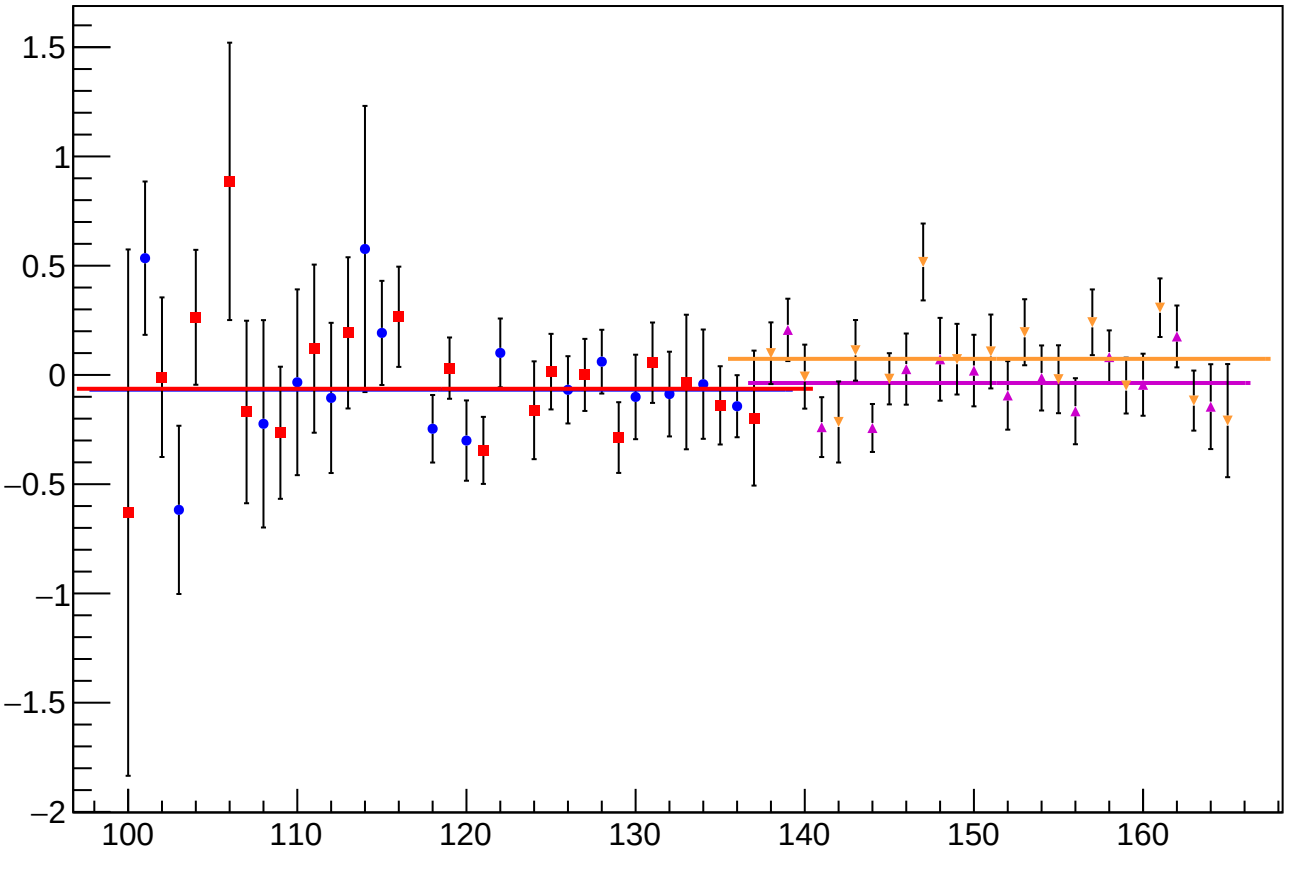
Left: 0.008+/-0.000 χ^2/NDF: 2935804.6/27

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6408113.7/28

Out: 0.007+/-0.000 χ^2/NDF:7958352.4/33

All: 0.007+/-0.000 χ^2/NDF: 14507030.7/62



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

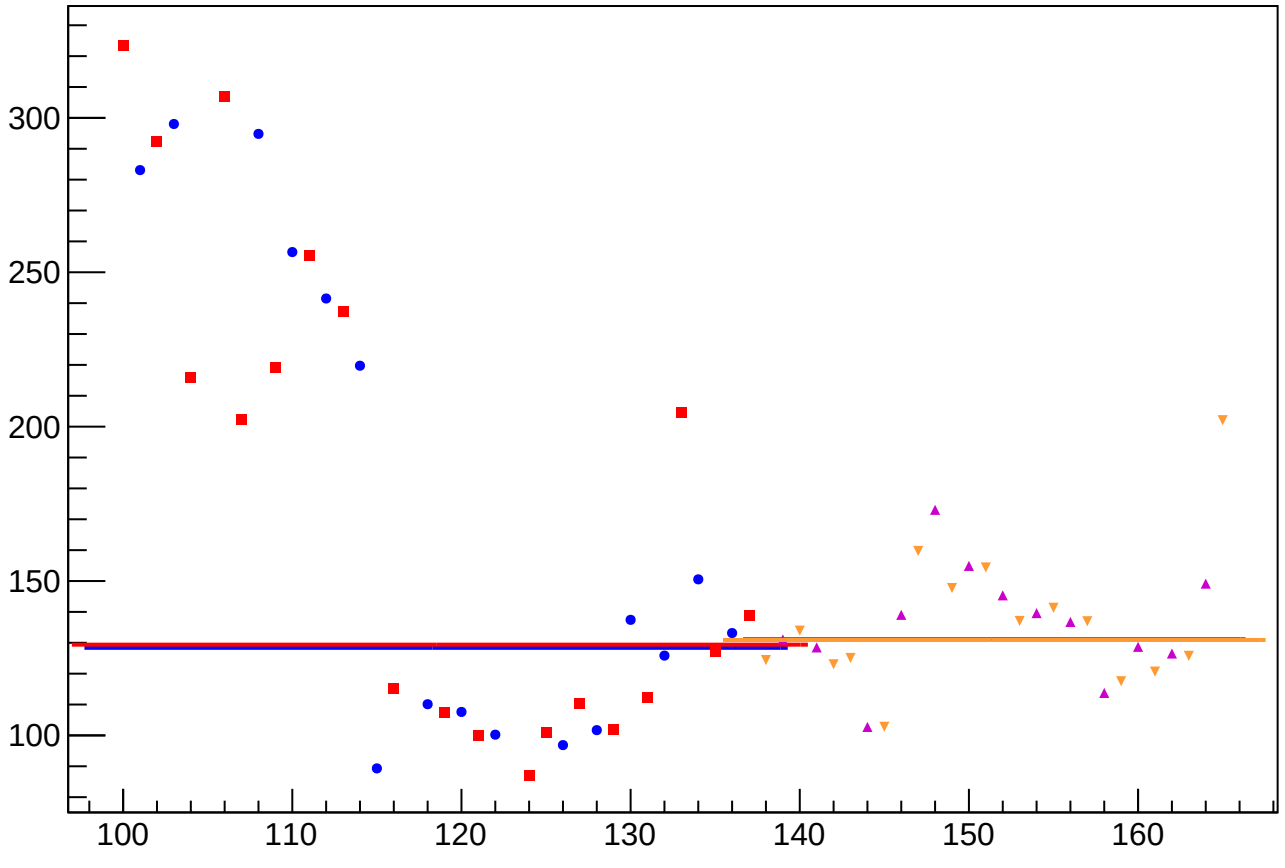
Left: 0.021+/-0.028 χ^2/NDF: 36.7/27

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.011+/-0.022 χ^2/NDF: 66.7/62


asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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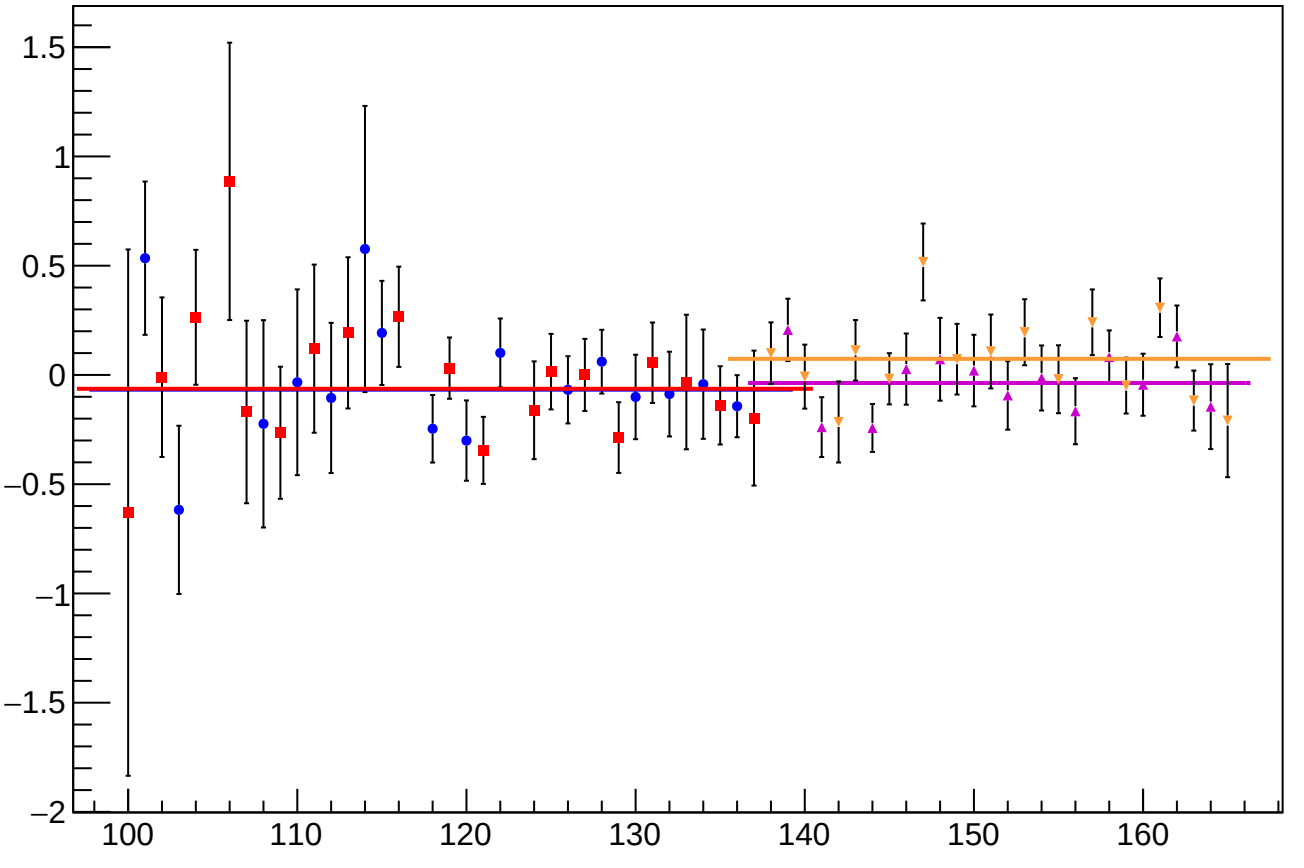
Right In: 128.377+/-0.037 χ²/NDF: 1805026.7/15
Left Out: 130.913+/-0.027 χ²/NDF:444316.8/14
Right Out: 129.396+/-0.036 χ²/NDF: 1888272.8/18
Left In: 131.173+/-0.029 χ²/NDF:365312.1/12
Left: 131.037+/-0.020 χ²/NDF: 809672.2/27
Right: 128.888+/-0.026 χ²/NDF: 3693688.1/34
In: 130.113+/-0.023 χ²/NDF:2173961.6/28
Out: 130.368+/-0.022 χ²/NDF:2333696.8/33
All: 130.244+/-0.016 χ²/NDF: 4507724.6/62



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

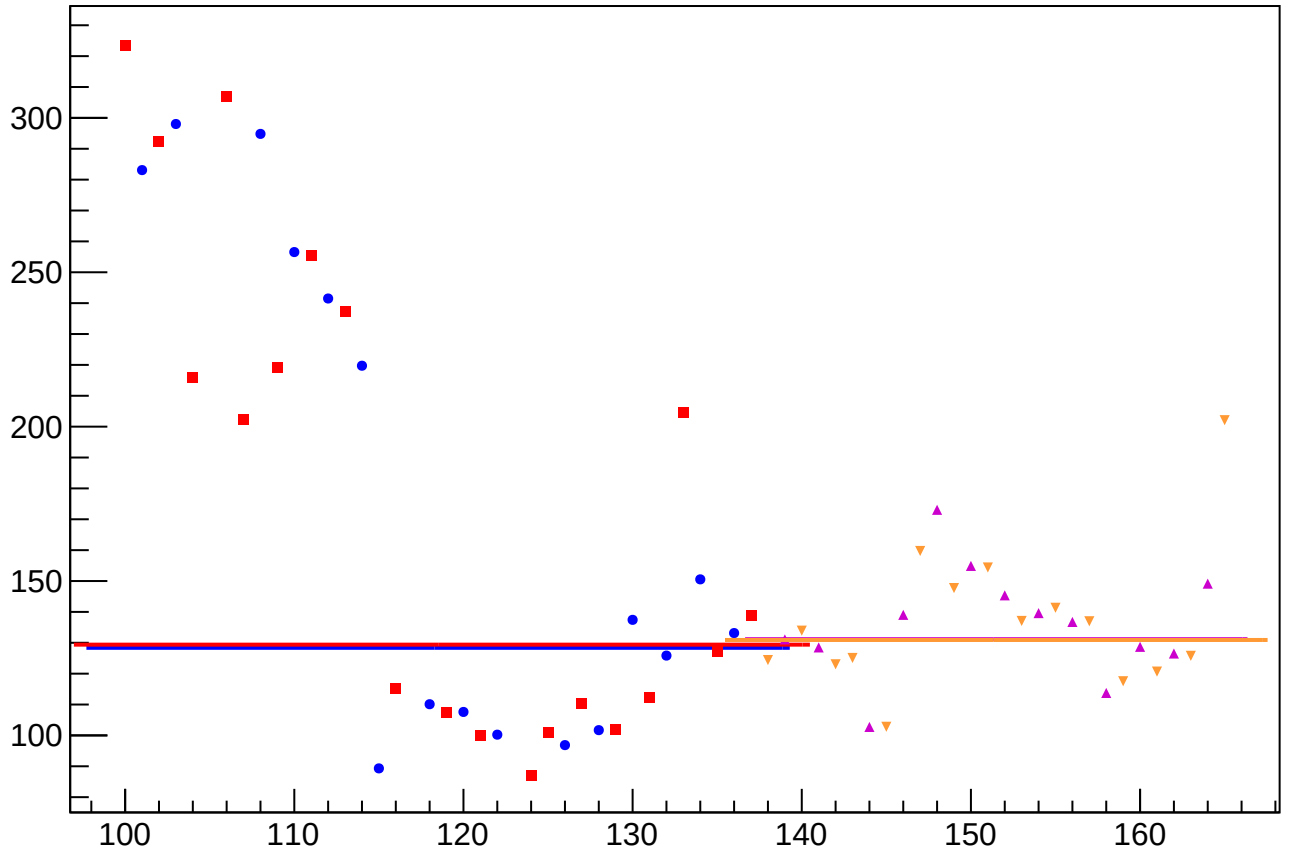
Left: 0.021+/-0.028 χ^2/NDF: 36.7/27

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.011+/-0.022 χ^2/NDF: 66.7/62


asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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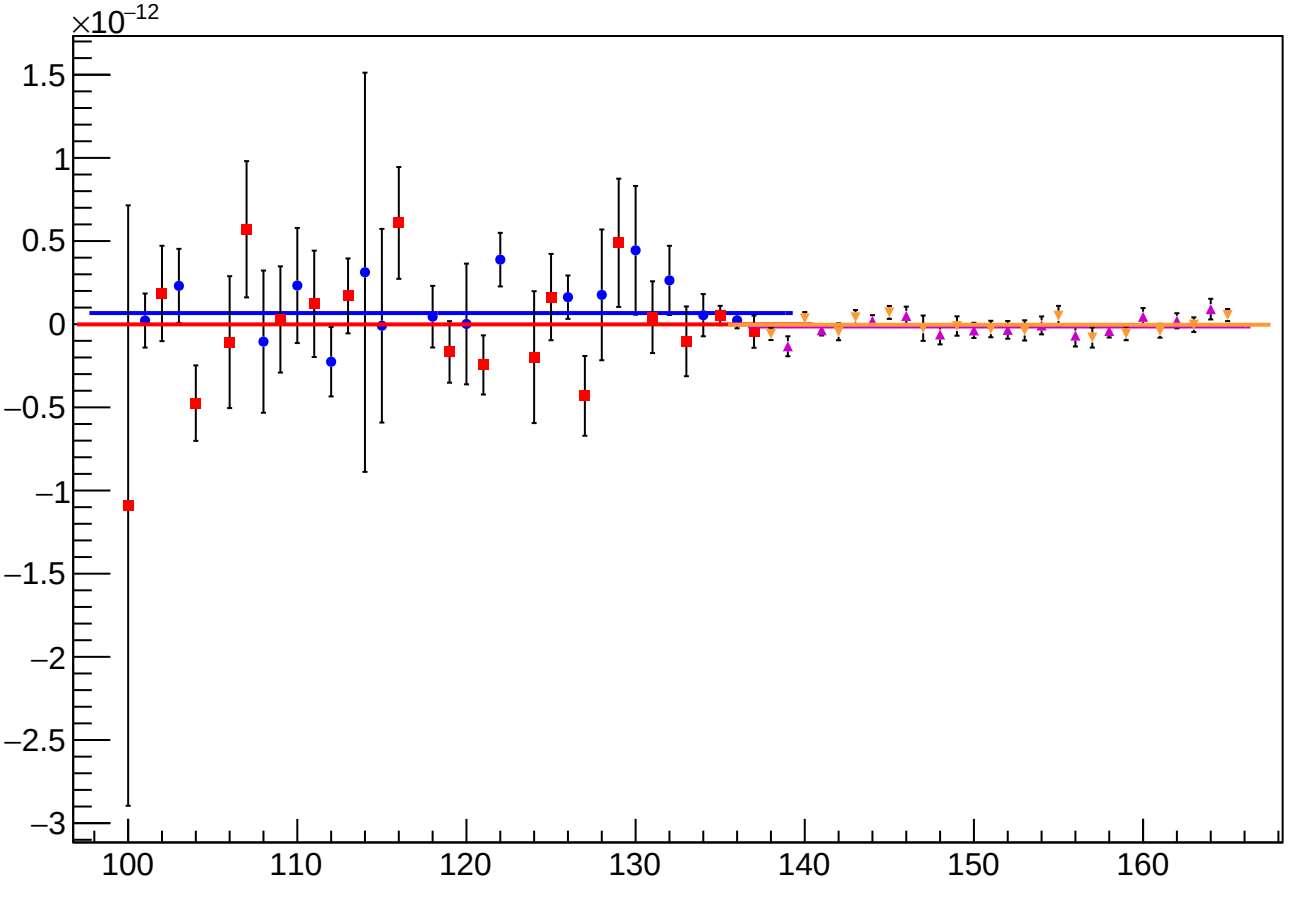
Right In: 128.377+/-0.037 χ²/NDF: 1805026.7/15
Left Out: 130.913+/-0.027 χ²/NDF:444316.8/14
Right Out: 129.396+/-0.036 χ²/NDF: 1888272.8/18
Left In: 131.173+/-0.029 χ²/NDF:365312.1/12
Left: 131.037+/-0.020 χ²/NDF: 809672.2/27
Right: 128.888+/-0.026 χ²/NDF: 3693688.1/34
In: 130.113+/-0.023 χ²/NDF:2173961.6/28
Out: 130.368+/-0.022 χ²/NDF:2333696.8/33
All: 130.244+/-0.016 χ²/NDF: 4507724.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

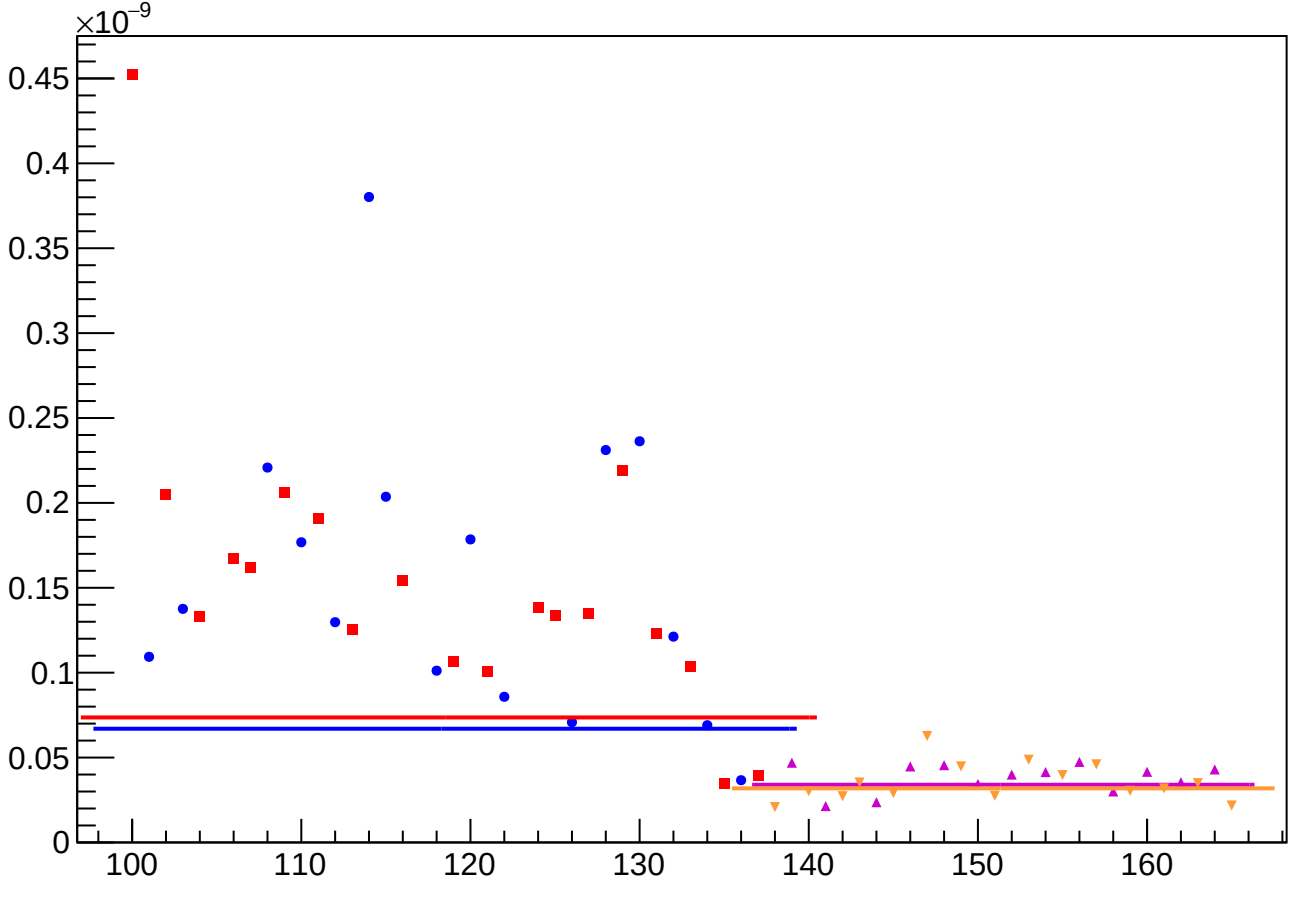
Left: -0.000+/-0.000 χ^2/NDF: 30.6/27

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:28.4/28

Out: -0.000+/-0.000 χ^2/NDF:37.3/33

All: -0.000+/-0.000 χ^2/NDF: 65.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1125691.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:999246.1/12

Left: 0.000+/-0.000 χ^2/NDF: 2153918.5/27

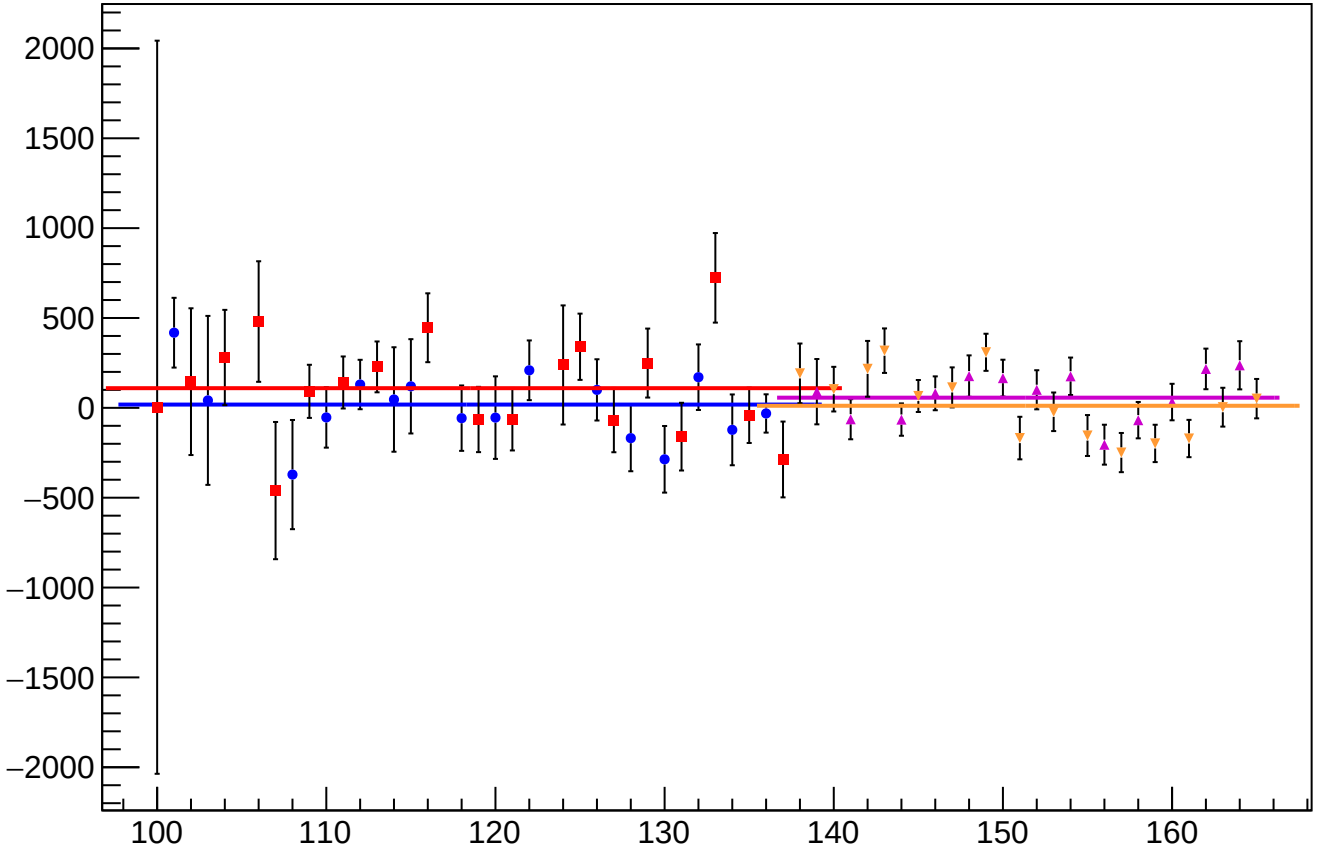
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5658951.0/28

Out: 0.000+/-0.000 χ^2/NDF:6841509.6/33

All: 0.000+/-0.000 χ^2/NDF: 12543046.3/62

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.548+/-29.087 χ^2/NDF:36.6/14

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 56.583+/-30.100 χ^2/NDF:17.7/12

Left: 33.295+/-20.917 χ^2/NDF: 55.5/27

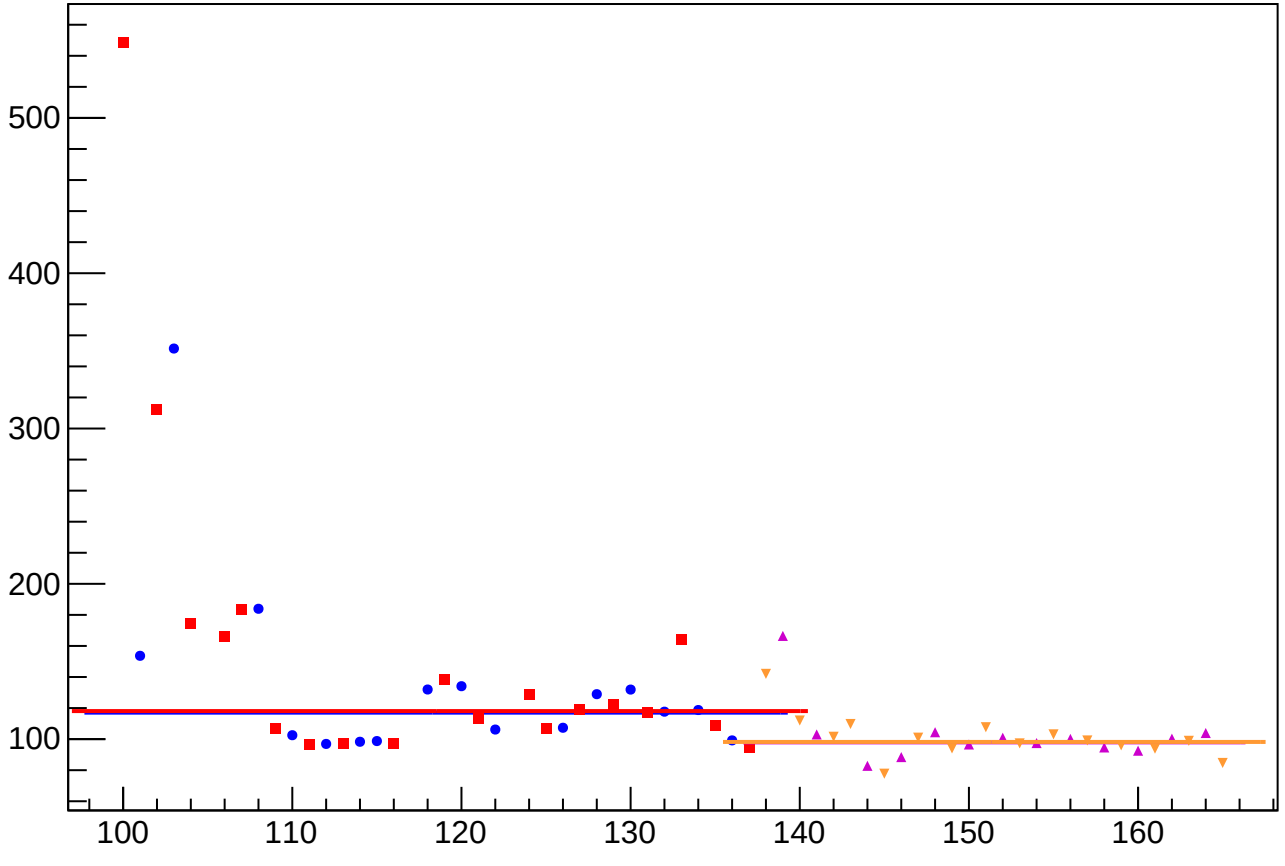
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 44.972+/-25.138 χ^2/NDF:32.1/28

Out: 39.660+/-24.558 χ^2/NDF:65.4/33

All: 42.254+/-17.567 χ^2/NDF: 97.5/62

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

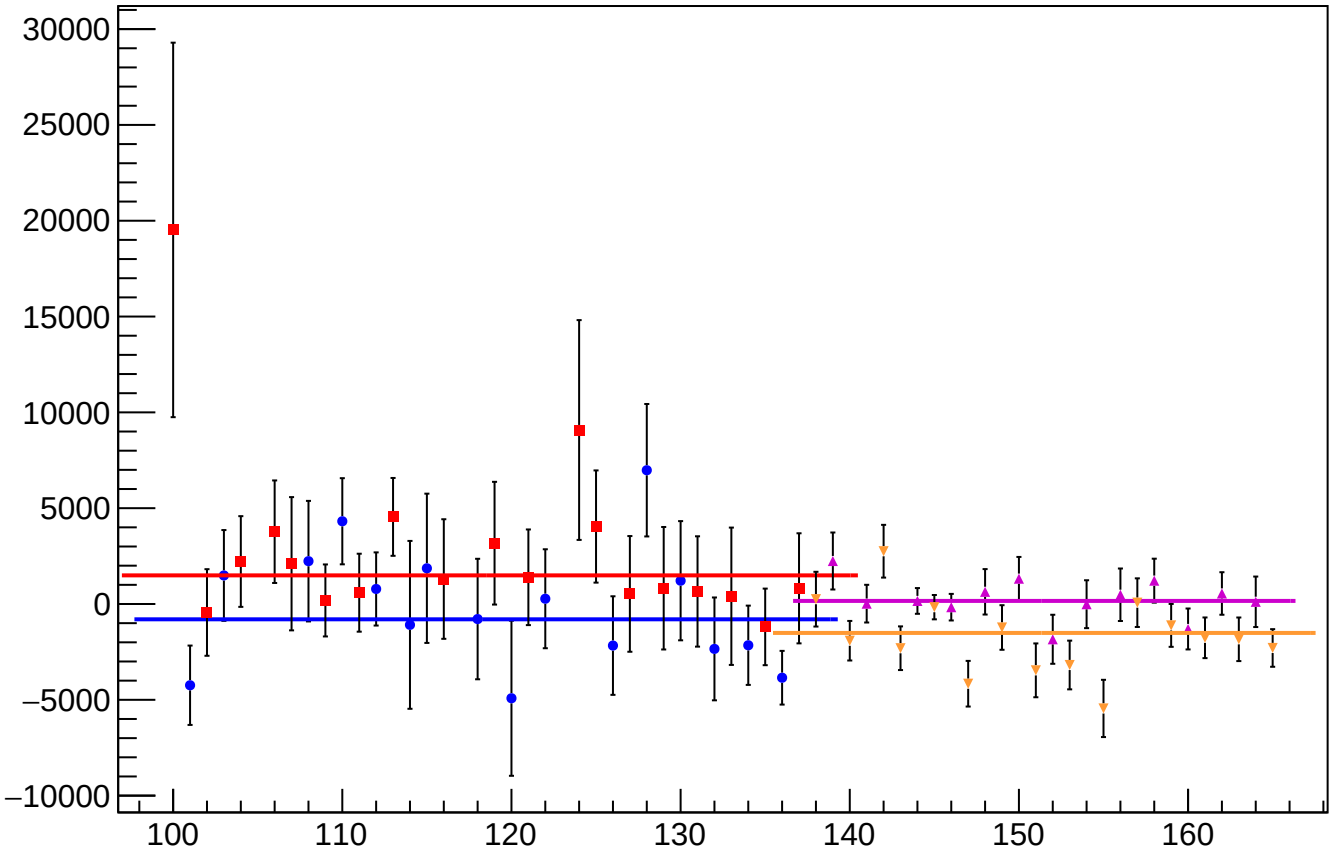
Left: 98.059+/-0.015 χ^2/NDF: 731050.5/27

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 103.707+/-0.018 χ^2/NDF:1490104.2/28

Out: 103.899+/-0.017 χ^2/NDF:1602740.1/33

All: 103.805+/-0.012 χ^2/NDF: 3092904.1/62



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1509.768+/-284.632 χ^2/NDF:34.3/14

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 160.693+/-287.671 χ^2/NDF:8.8/12

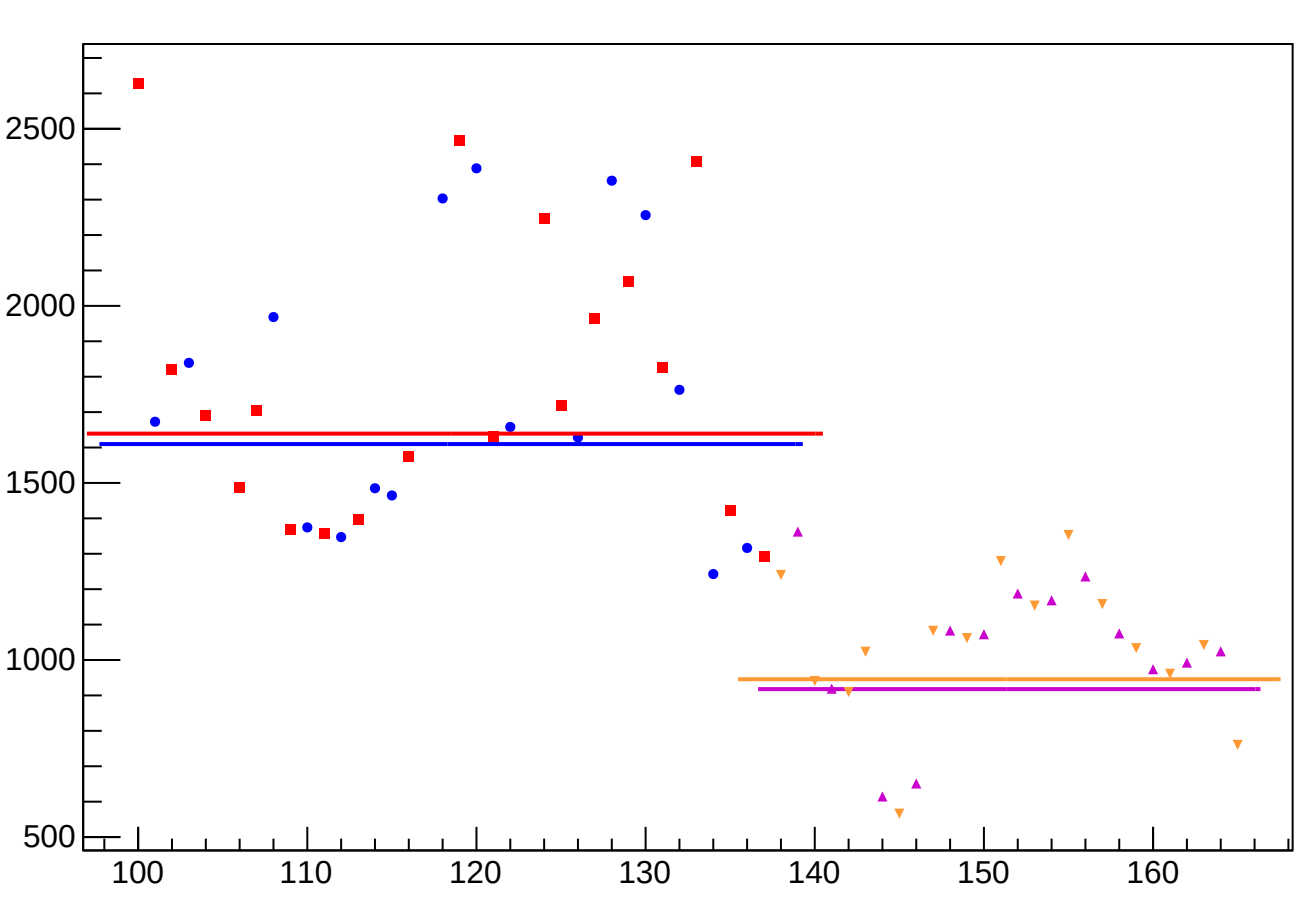
Left: -683.409+/-202.331 χ^2/NDF: 60.2/27

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -11.151+/-260.650 χ^2/NDF:34.2/28

Out: -977.176+/-258.167 χ^2/NDF:67.0/33

All: -498.788+/-183.423 χ^2/NDF: 108.1/62



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325356.9/14

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 917.873+/-0.203 χ^2/NDF:1301389.7/12

Left: 931.940+/-0.143 χ^2/NDF: 2636209.9/27

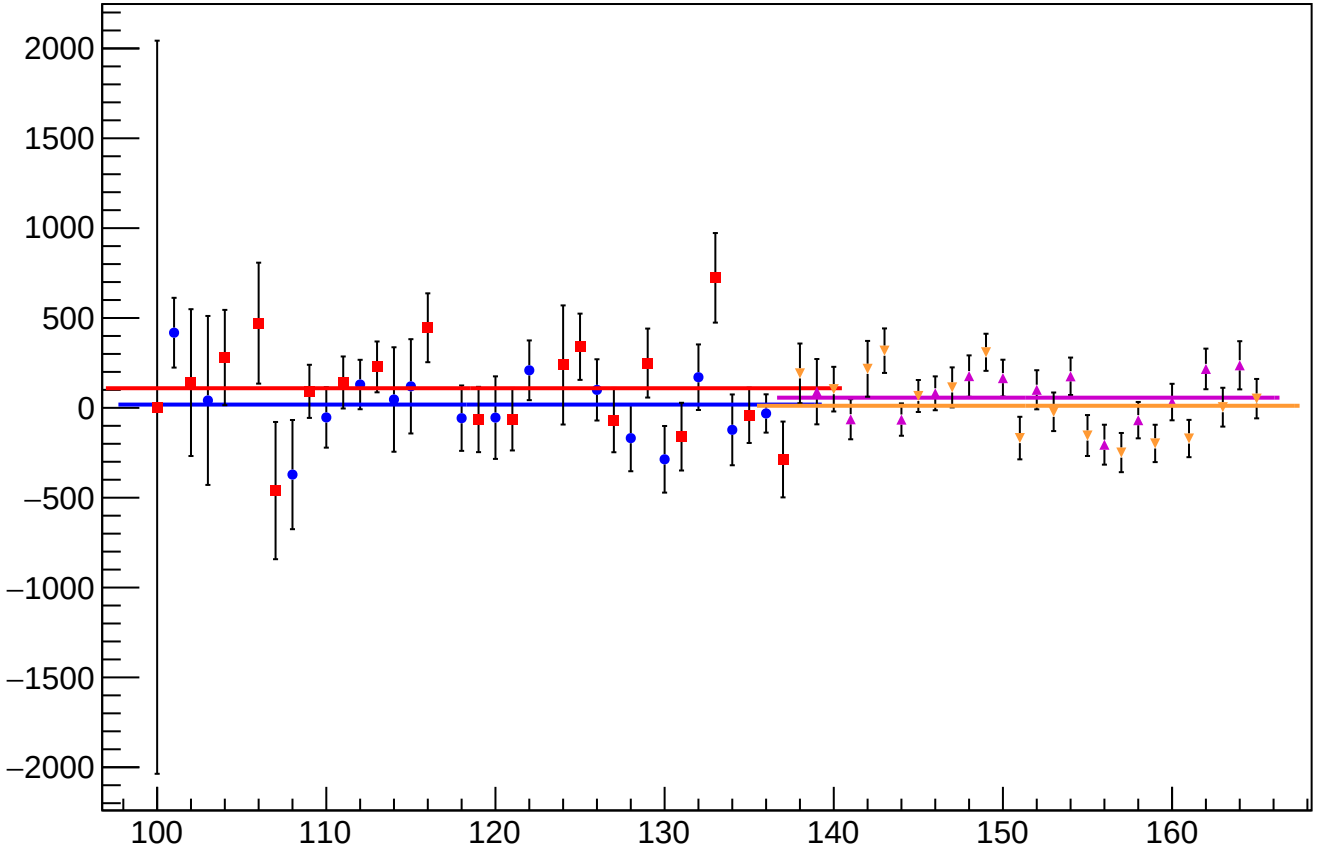
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1041.750+/-0.184 χ^2/NDF:3991978.8/28

Out: 1068.683+/-0.183 χ^2/NDF:3950951.6/33

All: 1055.346+/-0.130 χ^2/NDF: 7953709.4/62

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.554+/-29.087 χ^2/NDF:36.6/14

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 56.584+/-30.100 χ^2/NDF:17.7/12

Left: 33.298+/-20.917 χ^2/NDF: 55.5/27

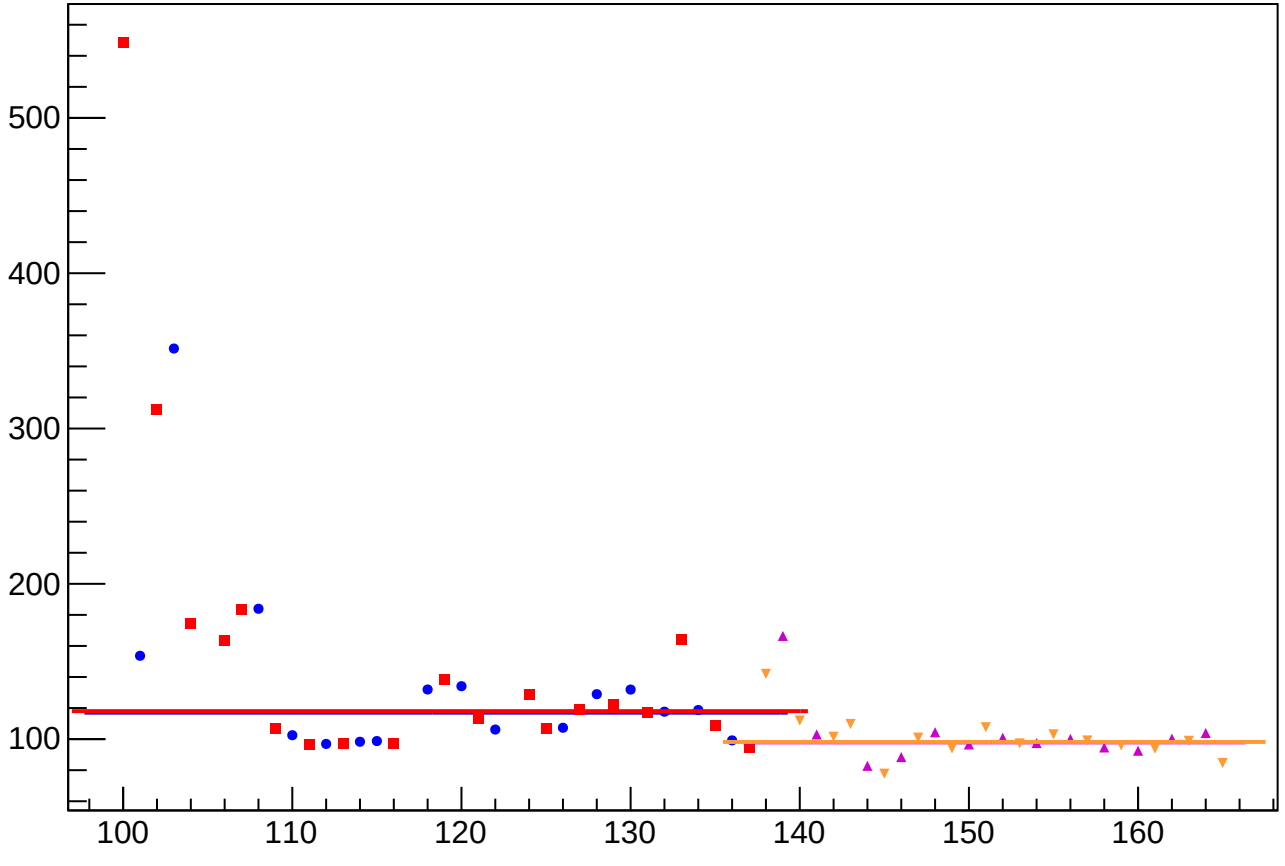
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.969+/-25.138 χ^2/NDF:32.1/28

Out: 39.580+/-24.558 χ^2/NDF:65.3/33

All: 42.212+/-17.567 χ^2/NDF: 97.4/62

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

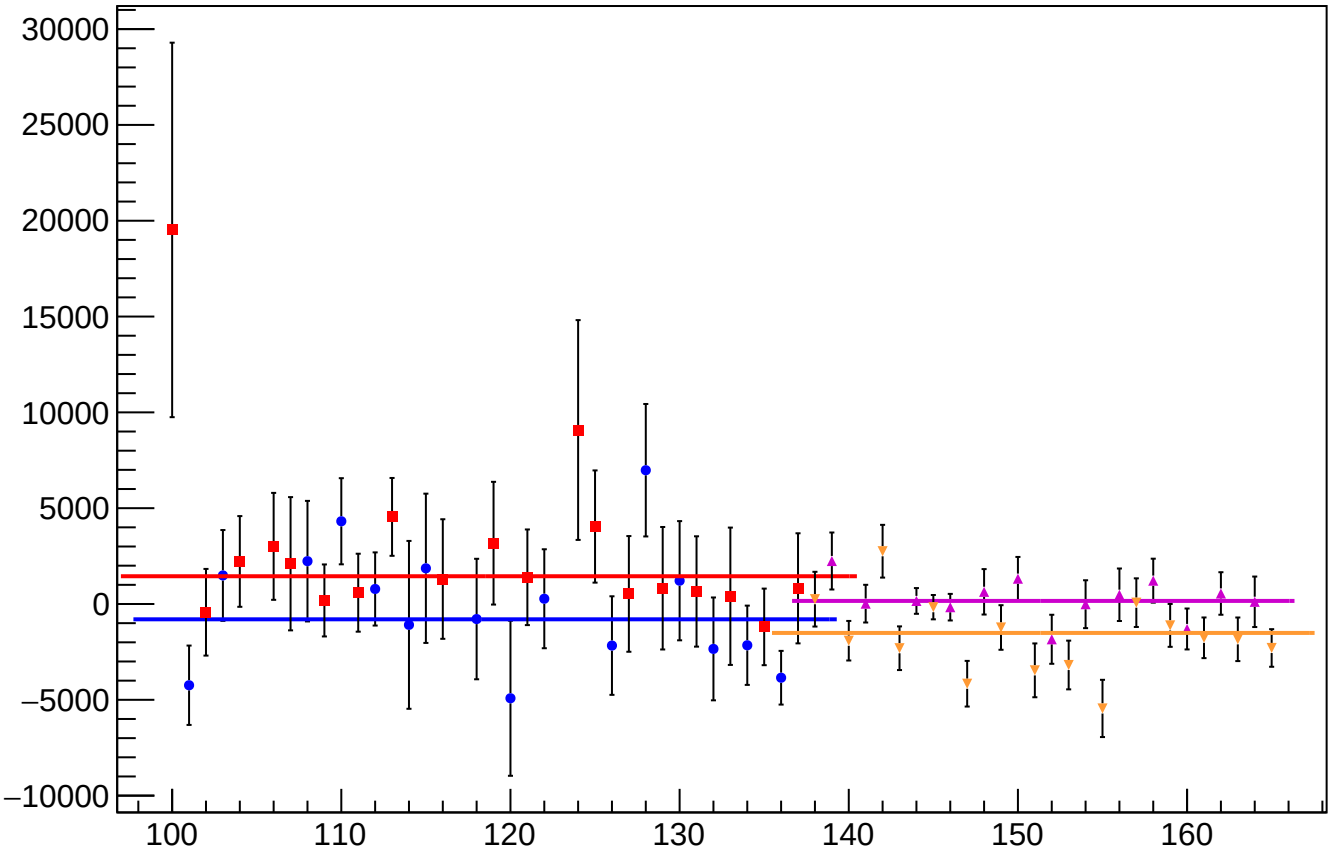
Left: 98.059+/-0.015 χ^2/NDF: 731050.5/27

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.707+/-0.018 χ^2/NDF:1490106.0/28

Out: 103.883+/-0.017 χ^2/NDF:1597126.2/33

All: 103.797+/-0.012 χ^2/NDF: 3087282.8/62



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.763+/-284.632 χ^2/NDF:34.3/14

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 160.698+/-287.671 χ^2/NDF:8.8/12

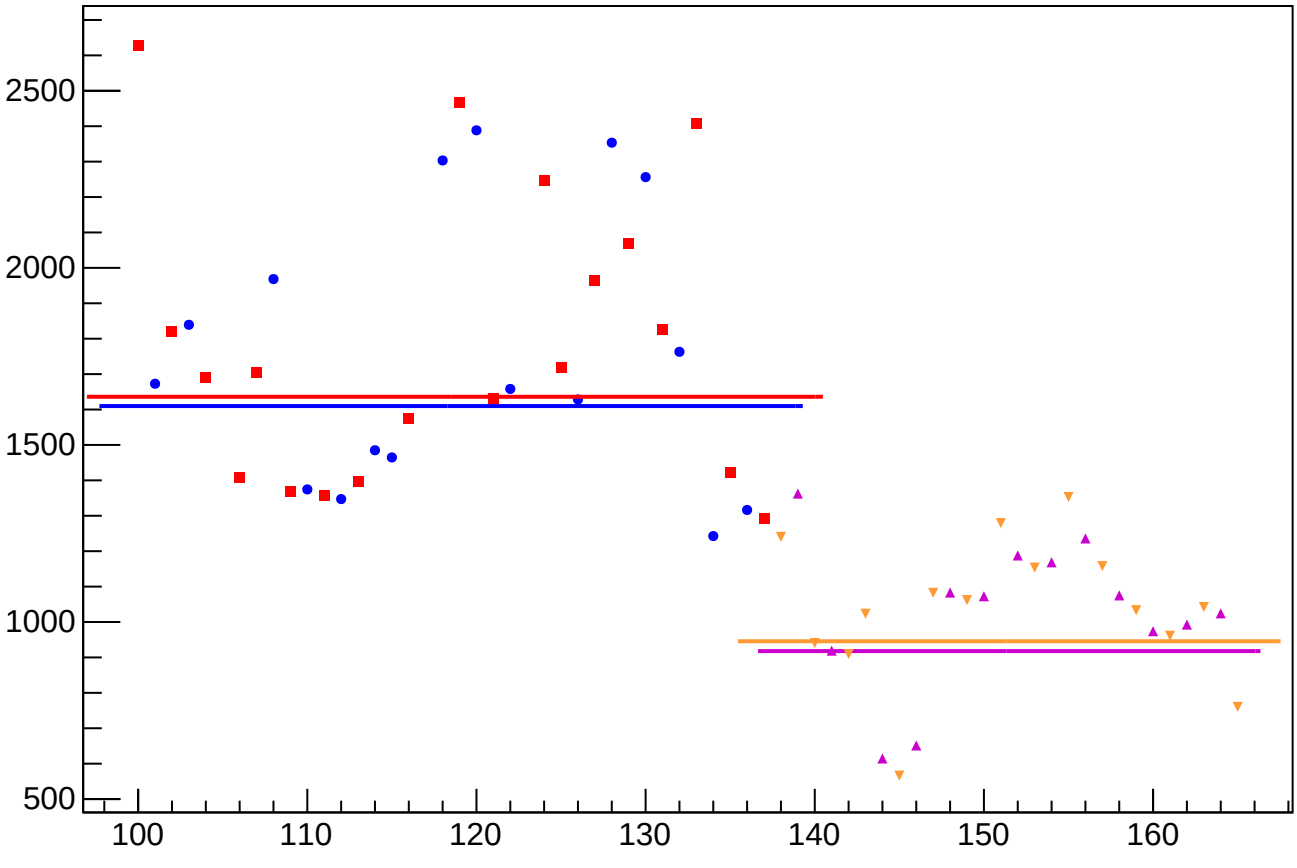
Left: -683.403+/-202.331 χ^2/NDF: 60.2/27

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -11.142+/-260.651 χ^2/NDF:34.2/28

Out: -987.123+/-258.267 χ^2/NDF:65.9/33

All: -503.615+/-183.459 χ^2/NDF: 107.2/62



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325357.8/14

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

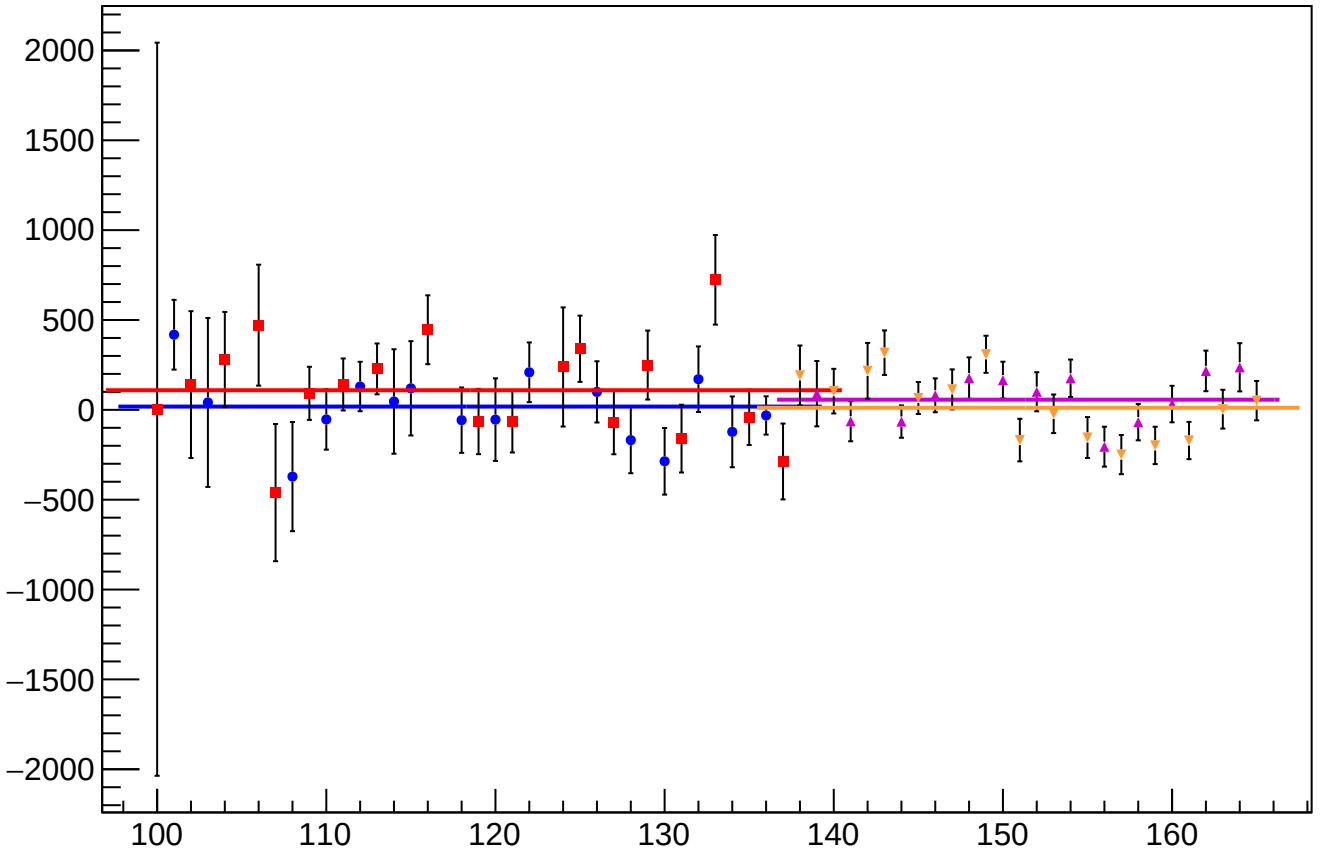
Left: 931.939+/-0.143 χ^2/NDF: 2636212.8/27

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1041.750+/-0.184 χ^2/NDF:3992043.0/28

Out: 1067.675+/-0.183 χ^2/NDF:3931710.9/33

All: 1054.832+/-0.130 χ^2/NDF: 7933737.5/62



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.554+/-29.087 χ^2/NDF:36.6/14

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 56.584+/-30.100 χ^2/NDF:17.7/12

Left: 33.298+/-20.917 χ^2/NDF: 55.5/27

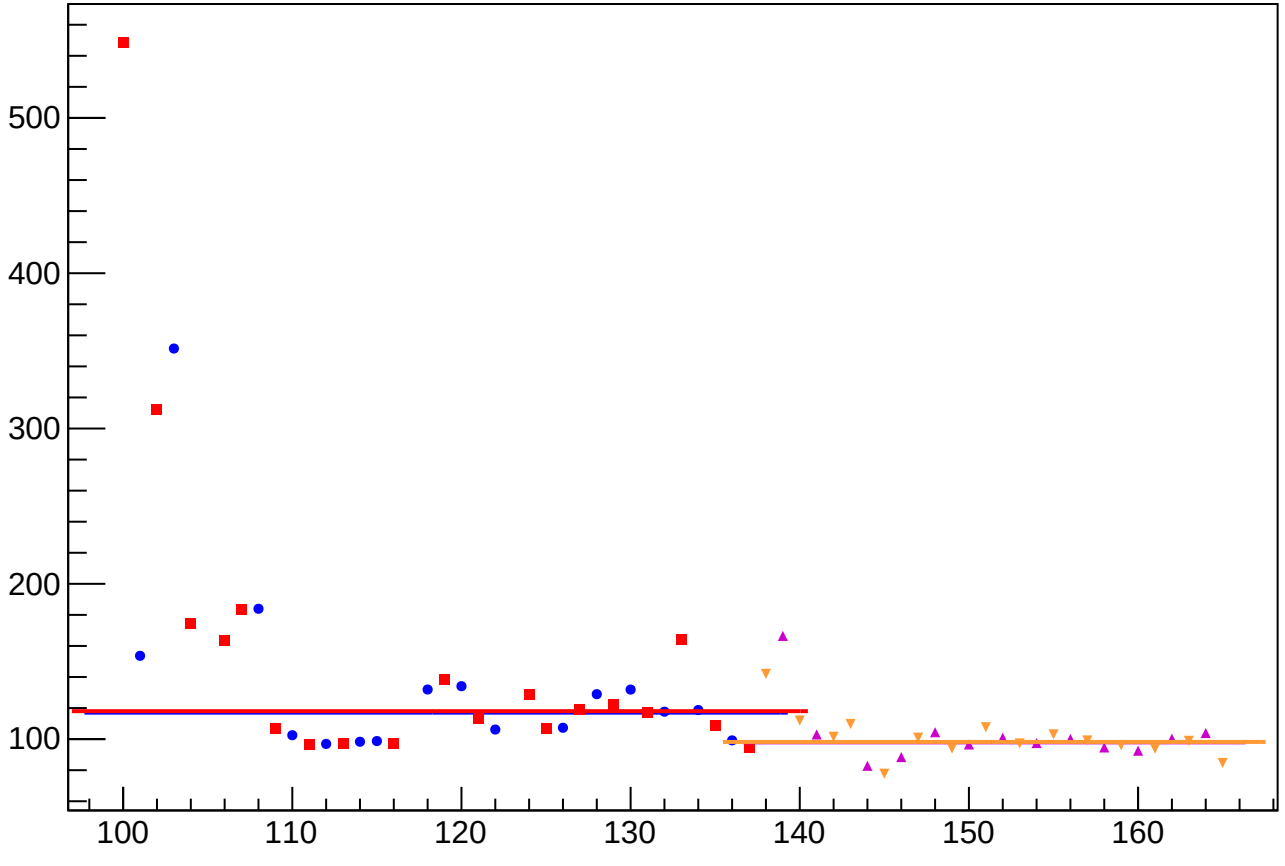
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.969+/-25.138 χ^2/NDF:32.1/28

Out: 39.580+/-24.558 χ^2/NDF:65.3/33

All: 42.212+/-17.567 χ^2/NDF: 97.4/62

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

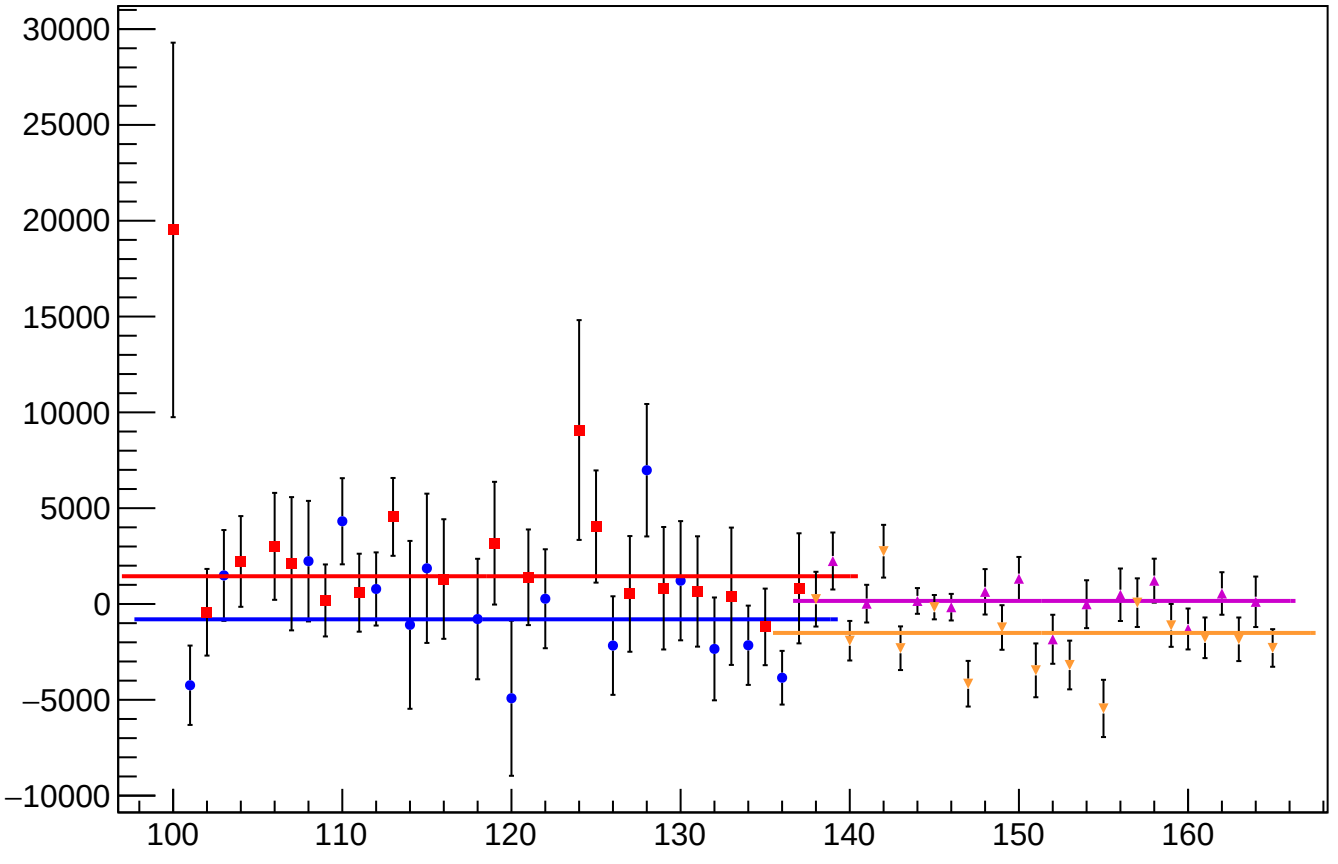
Left: 98.059+/-0.015 χ^2/NDF: 731050.5/27

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.707+/-0.018 χ^2/NDF:1490106.0/28

Out: 103.883+/-0.017 χ^2/NDF:1597126.2/33

All: 103.797+/-0.012 χ^2/NDF: 3087282.8/62



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.763+/-284.632 χ^2/NDF:34.3/14

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 160.698+/-287.671 χ^2/NDF:8.8/12

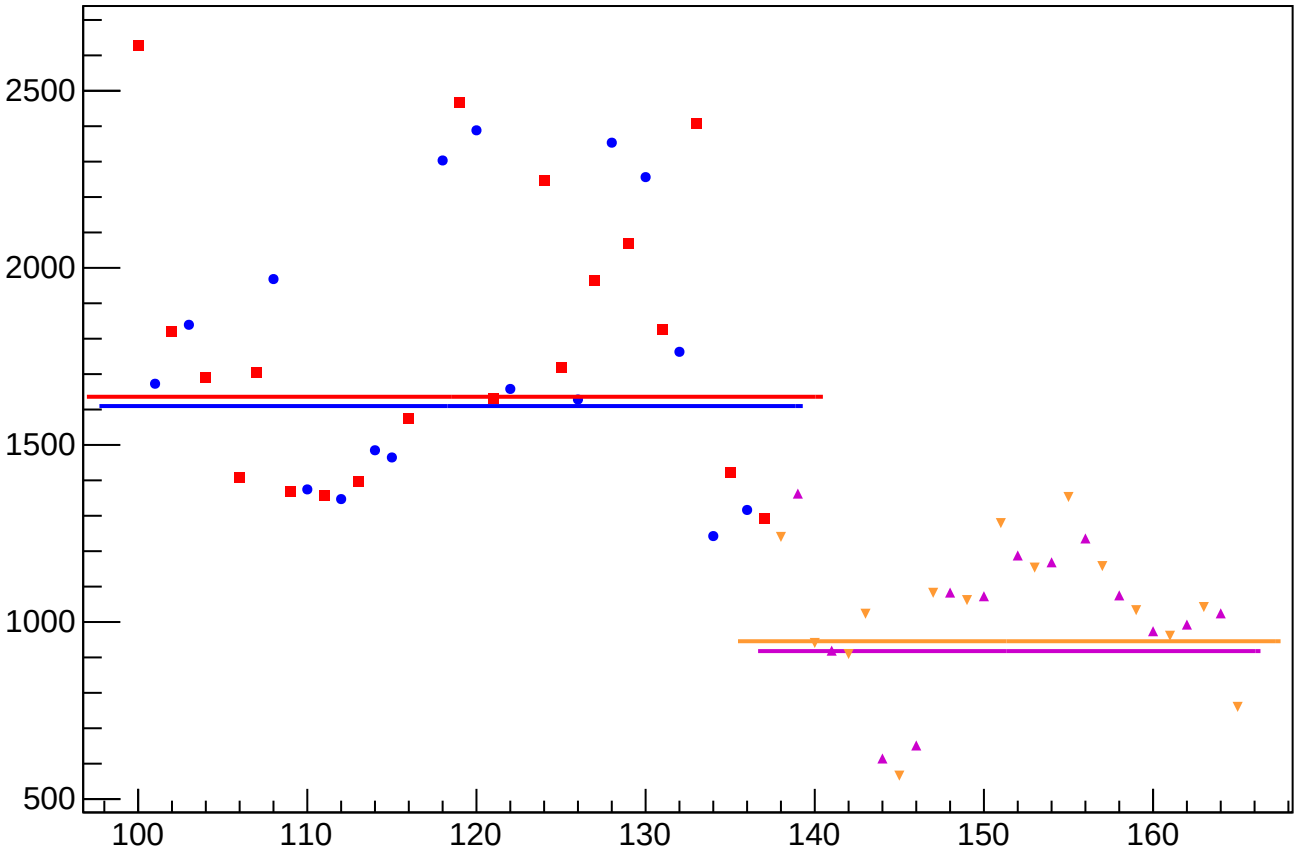
Left: -683.403+/-202.331 χ^2/NDF: 60.2/27

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -11.142+/-260.651 χ^2/NDF:34.2/28

Out: -987.123+/-258.267 χ^2/NDF:65.9/33

All: -503.615+/-183.459 χ^2/NDF: 107.2/62



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325357.8/14

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

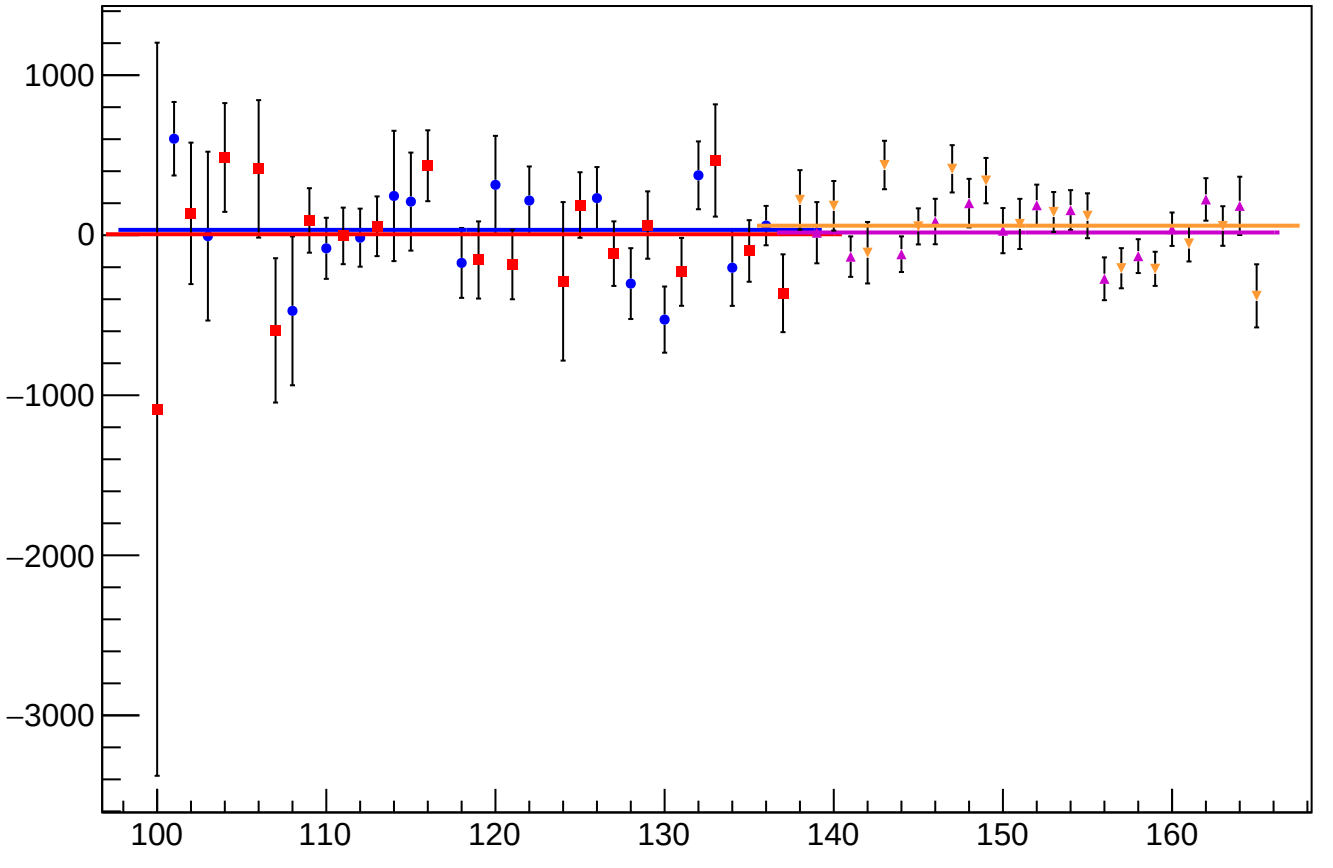
Left: 931.939+/-0.143 χ^2/NDF: 2636212.8/27

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1041.750+/-0.184 χ^2/NDF:3992043.0/28

Out: 1067.675+/-0.183 χ^2/NDF:3931710.9/33

All: 1054.832+/-0.130 χ^2/NDF: 7933737.5/62



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.612+/-35.506 χ^2/NDF:35.6/14

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 17.022+/-36.213 χ^2/NDF:17.5/12

Left: 38.737+/-25.353 χ^2/NDF: 53.9/27

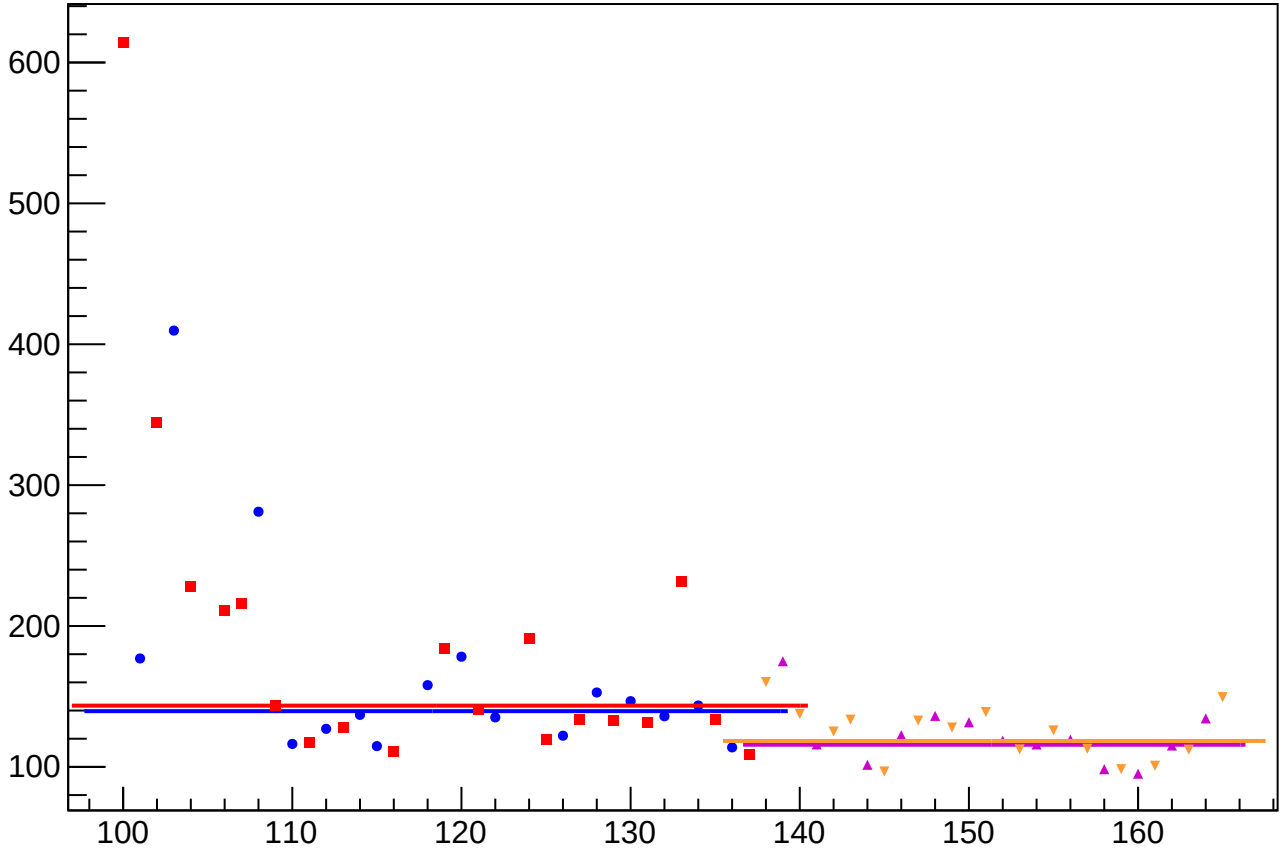
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 22.008+/-30.230 χ^2/NDF:42.8/28

Out: 44.306+/-30.000 χ^2/NDF:53.6/33

All: 33.242+/-21.294 χ^2/NDF: 96.7/62

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 118.414+/-0.025 χ^2/NDF:478778.2/14

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 115.739+/-0.026 χ^2/NDF:446458.4/12

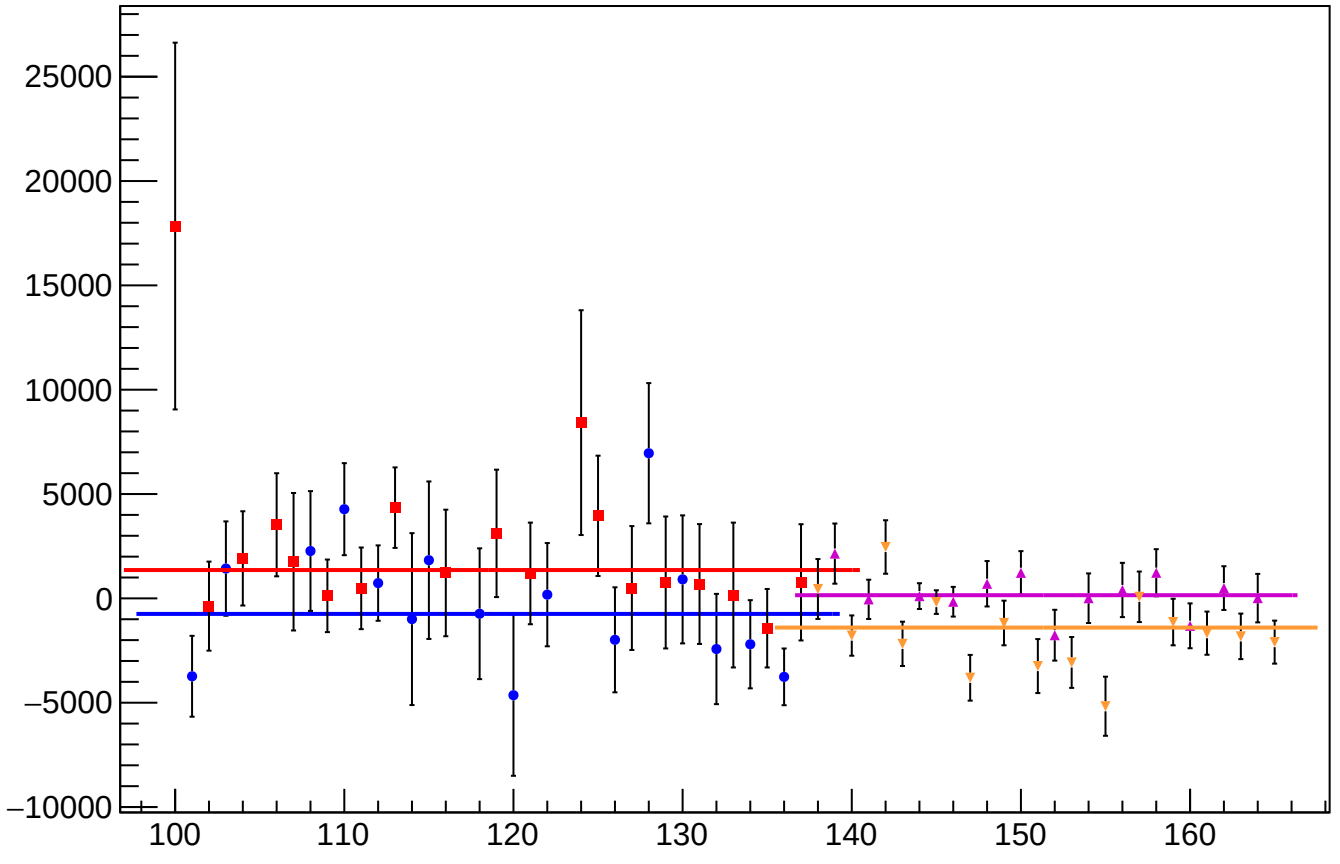
Left: 117.103+/-0.018 χ^2/NDF: 930799.6/27

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 122.962+/-0.021 χ^2/NDF:1685654.3/28

Out: 125.585+/-0.021 χ^2/NDF:1880586.9/33

All: 124.283+/-0.015 χ^2/NDF: 3573826.1/62



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1399.549+/-268.669 χ^2/NDF:34.2/14

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 151.846+/-274.757 χ^2/NDF:8.9/12

Left: -641.231+/-192.094 χ^2/NDF: 59.4/27

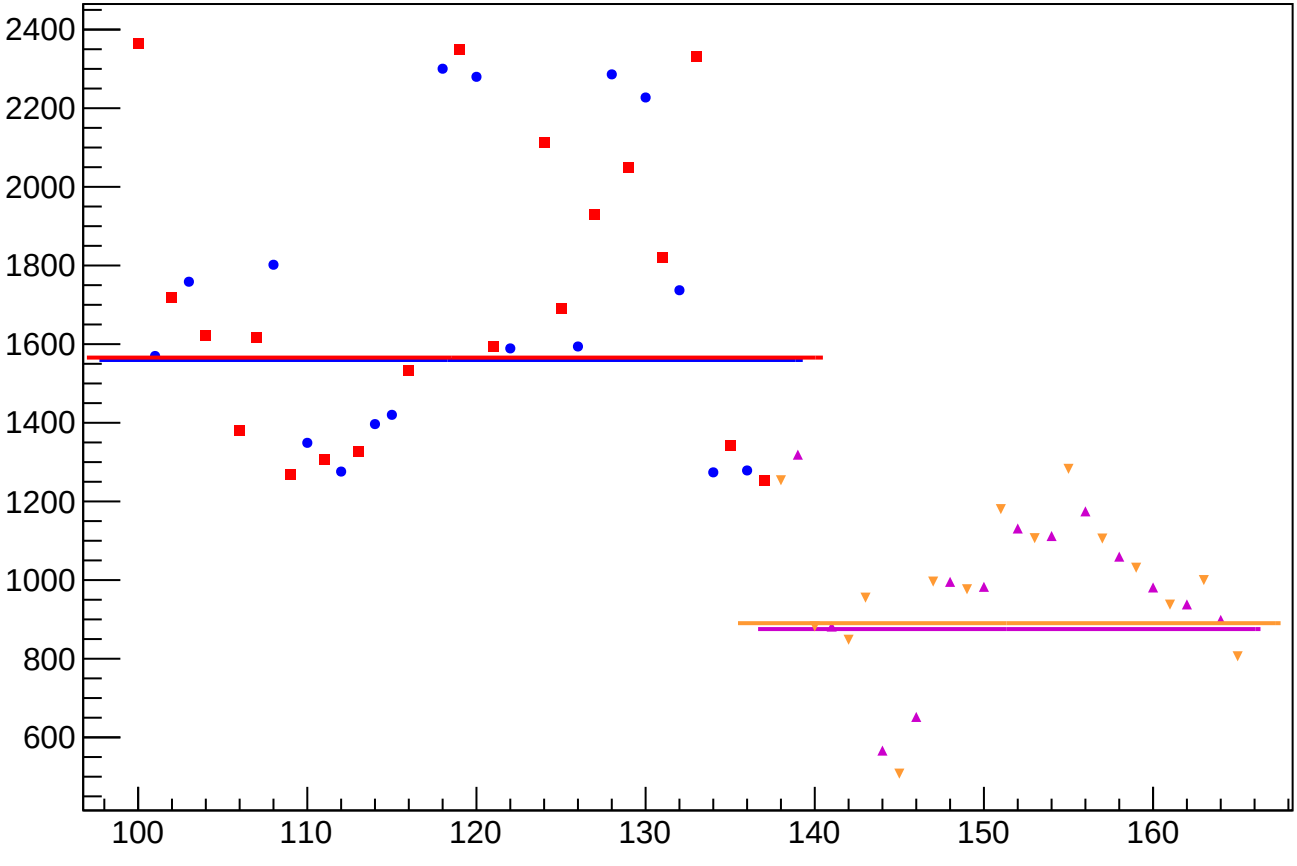
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -5.374+/-249.505 χ^2/NDF:34.2/28

Out: -920.346+/-244.210 χ^2/NDF:66.0/33

All: -472.673+/-174.525 χ^2/NDF: 107.1/62

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 890.397+/-0.190 χ^2/NDF:1533313.0/14

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 875.406+/-0.194 χ^2/NDF:1286152.2/12

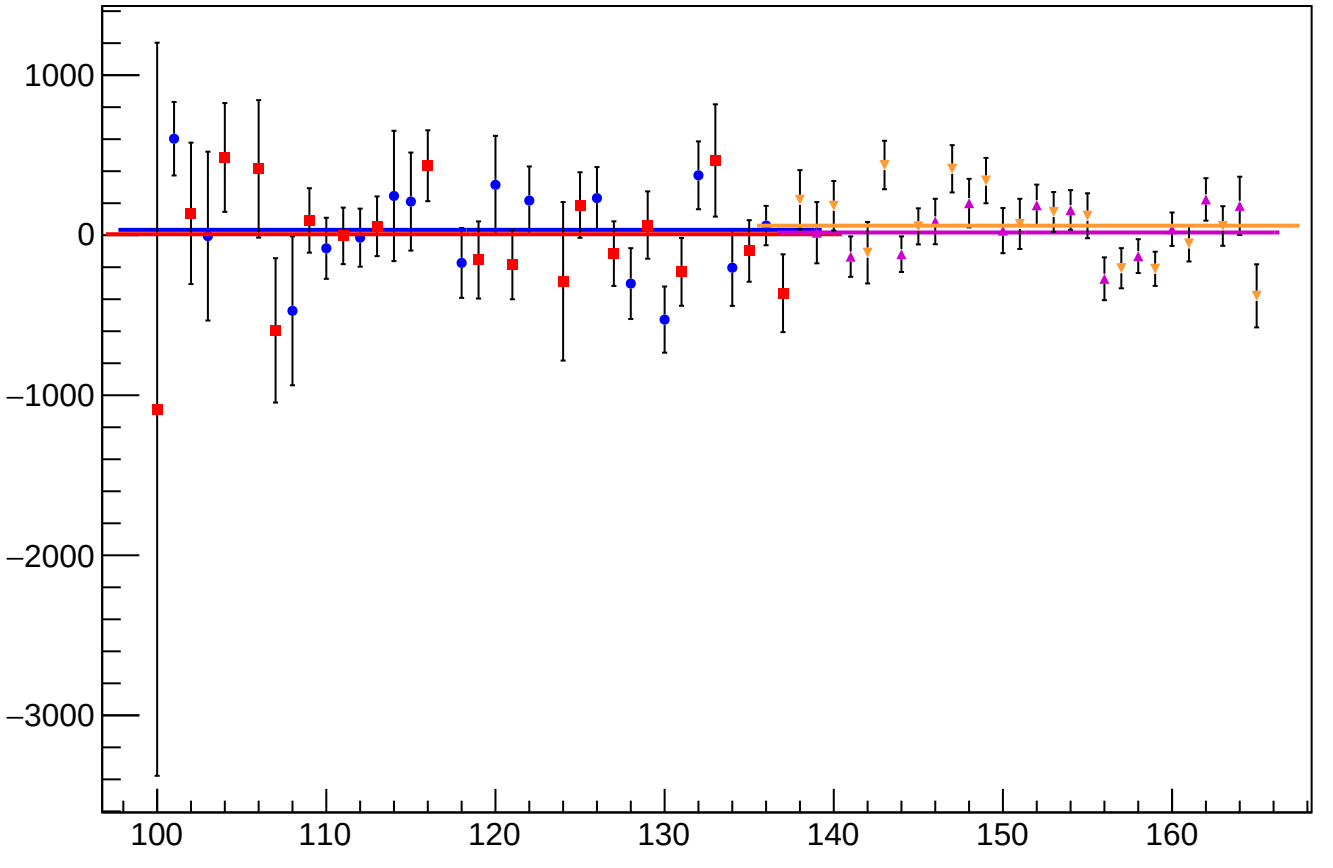
Left: 883.070+/-0.136 χ^2/NDF: 2822509.0/27

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 995.414+/-0.176 χ^2/NDF:4066100.0/28

Out: 1007.775+/-0.173 χ^2/NDF:4293742.6/33

All: 1001.727+/-0.123 χ^2/NDF: 8362349.6/62



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.615+/-35.506 χ^2/NDF:35.6/14

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 17.021+/-36.213 χ^2/NDF:17.5/12

Left: 38.738+/-25.353 χ^2/NDF: 53.9/27

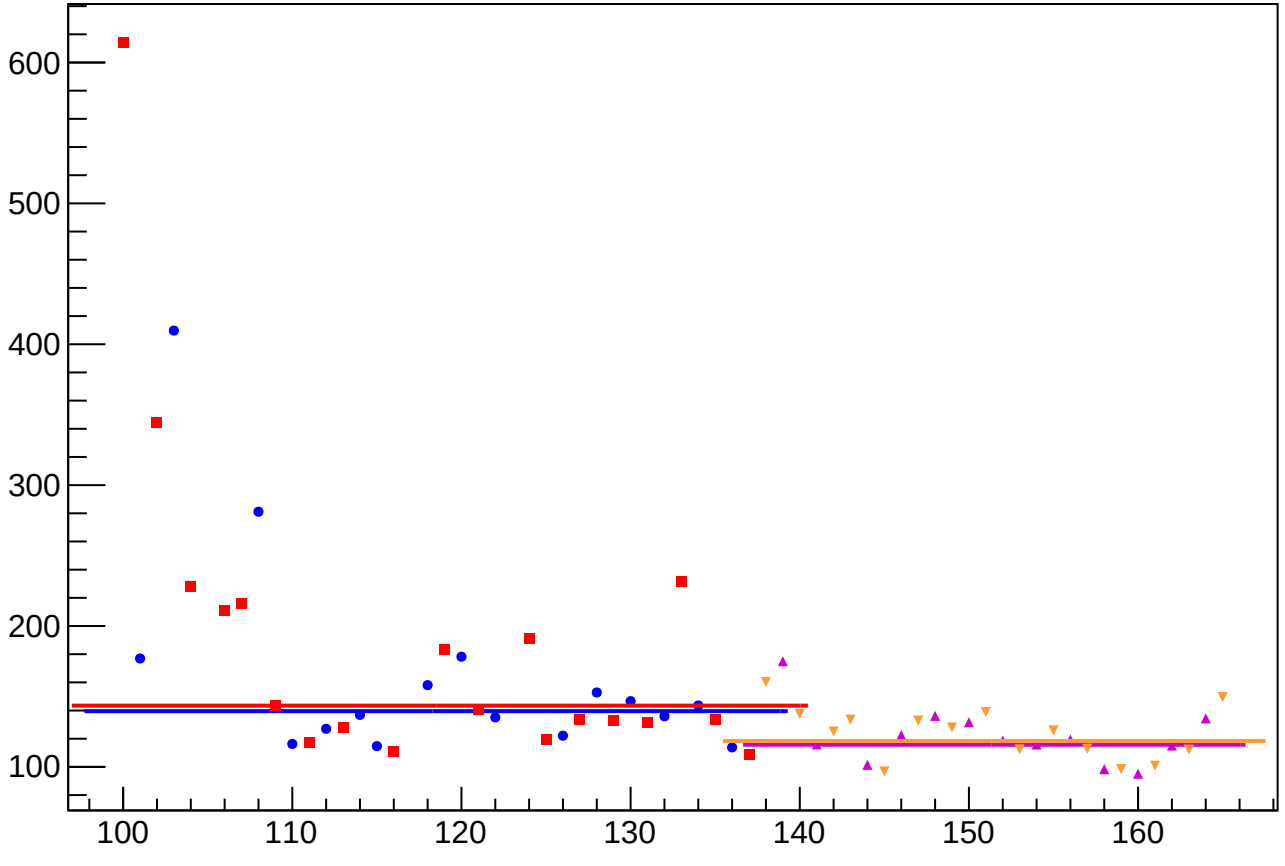
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 22.007+/-30.230 χ^2/NDF:42.8/28

Out: 44.306+/-30.001 χ^2/NDF:53.6/33

All: 33.242+/-21.294 χ^2/NDF: 96.7/62

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 118.415+/-0.025 χ^2/NDF:478789.8/14

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 115.740+/-0.026 χ^2/NDF:446467.5/12

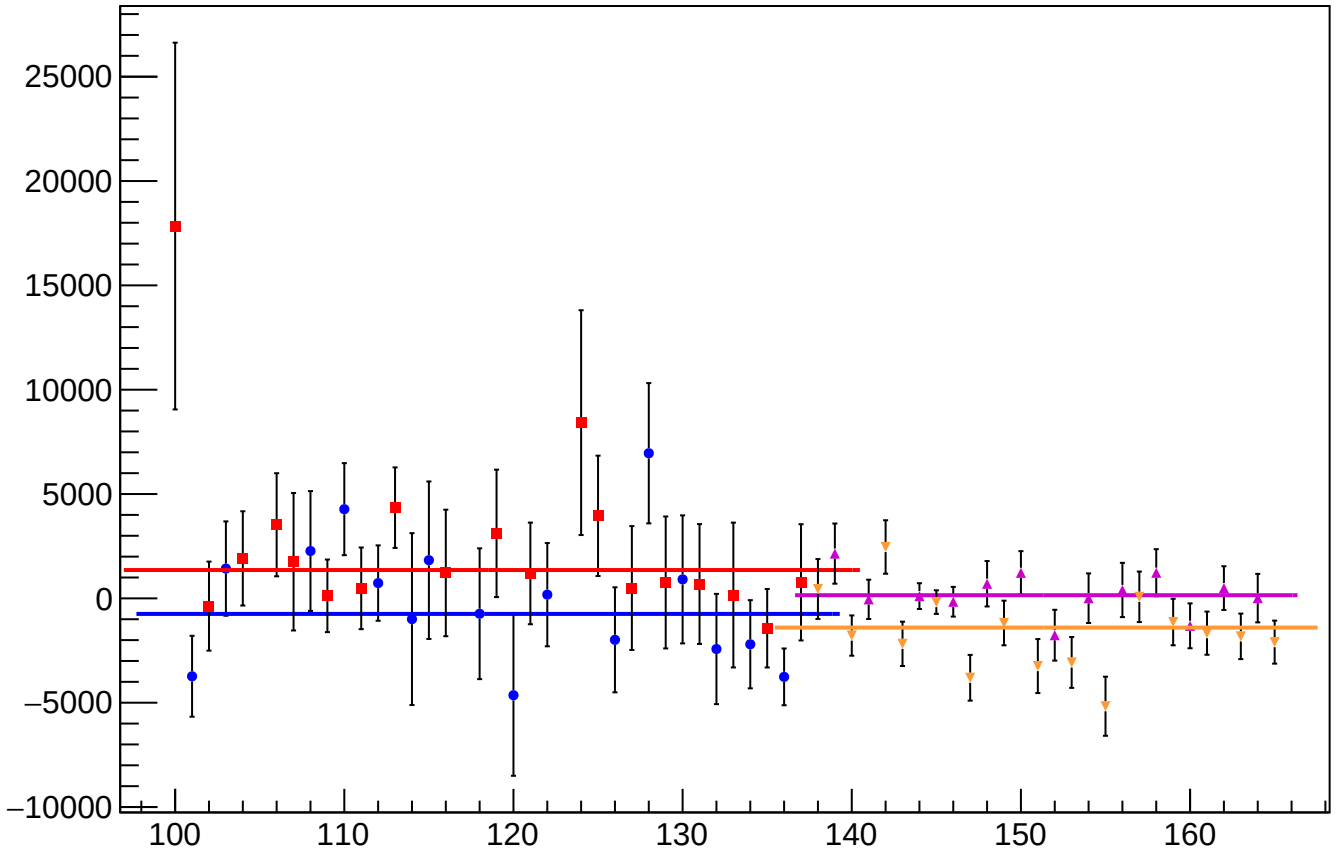
Left: 117.104+/-0.018 χ^2/NDF: 930820.6/27

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 122.962+/-0.021 χ^2/NDF:1685660.5/28

Out: 125.585+/-0.021 χ^2/NDF:1880601.3/33

All: 124.284+/-0.015 χ^2/NDF: 3573847.3/62



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1399.550+/-268.669 χ^2/NDF:34.2/14

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 151.845+/-274.757 χ^2/NDF:8.9/12

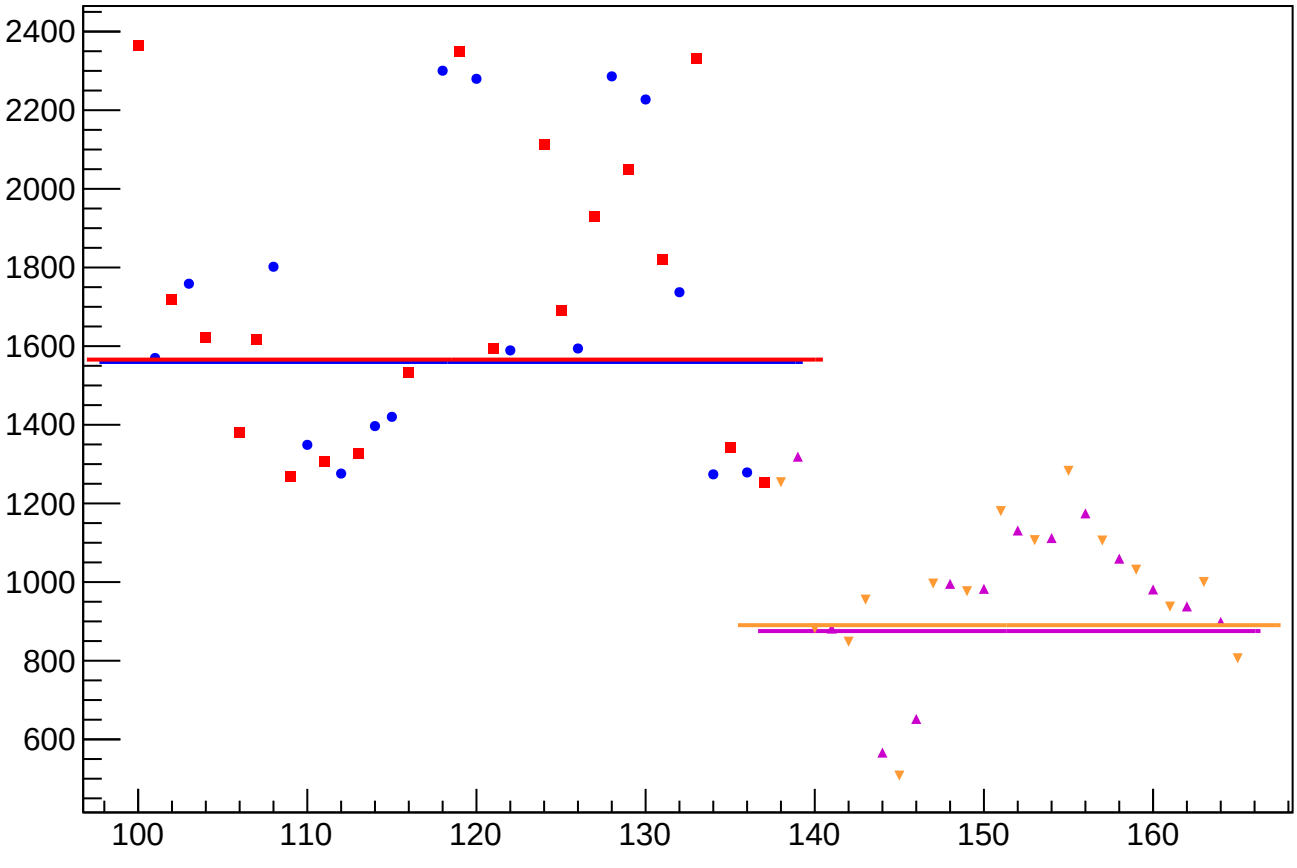
Left: -641.231+/-192.094 χ^2/NDF: 59.4/27

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -5.375+/-249.505 χ^2/NDF:34.2/28

Out: -920.346+/-244.210 χ^2/NDF:66.0/33

All: -472.673+/-174.524 χ^2/NDF: 107.1/62



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 890.396+/-0.190 χ^2/NDF:1533309.6/14

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 875.405+/-0.194 χ^2/NDF:1286149.3/12

Left: 883.069+/-0.136 χ^2/NDF: 2822502.7/27

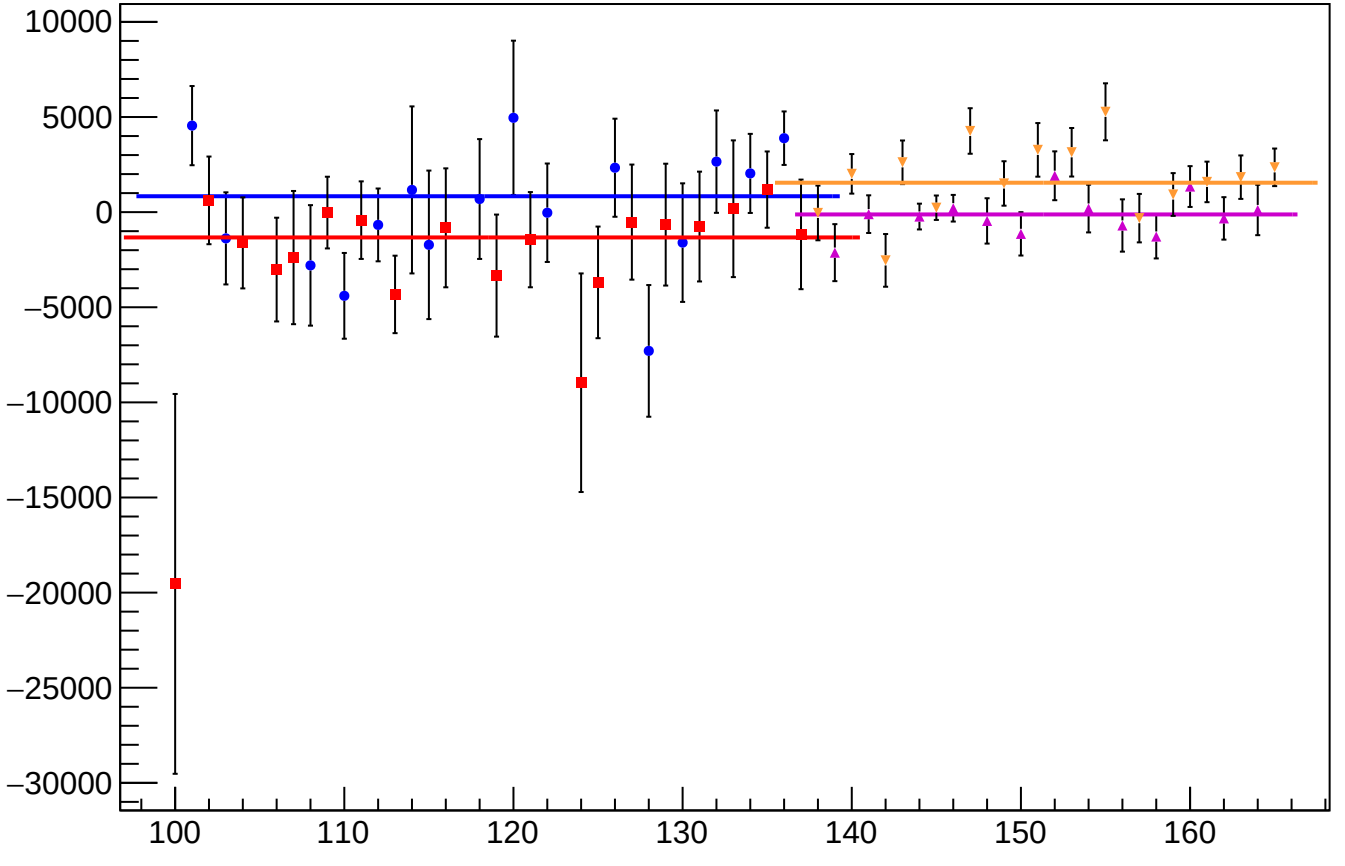
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 995.413+/-0.176 χ^2/NDF:4066098.5/28

Out: 1007.773+/-0.173 χ^2/NDF:4293736.1/33

All: 1001.726+/-0.123 χ^2/NDF: 8362341.6/62

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1546.307+/-286.394 χ^2/NDF:32.8/14

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -120.683+/-289.576 χ^2/NDF:8.6/12

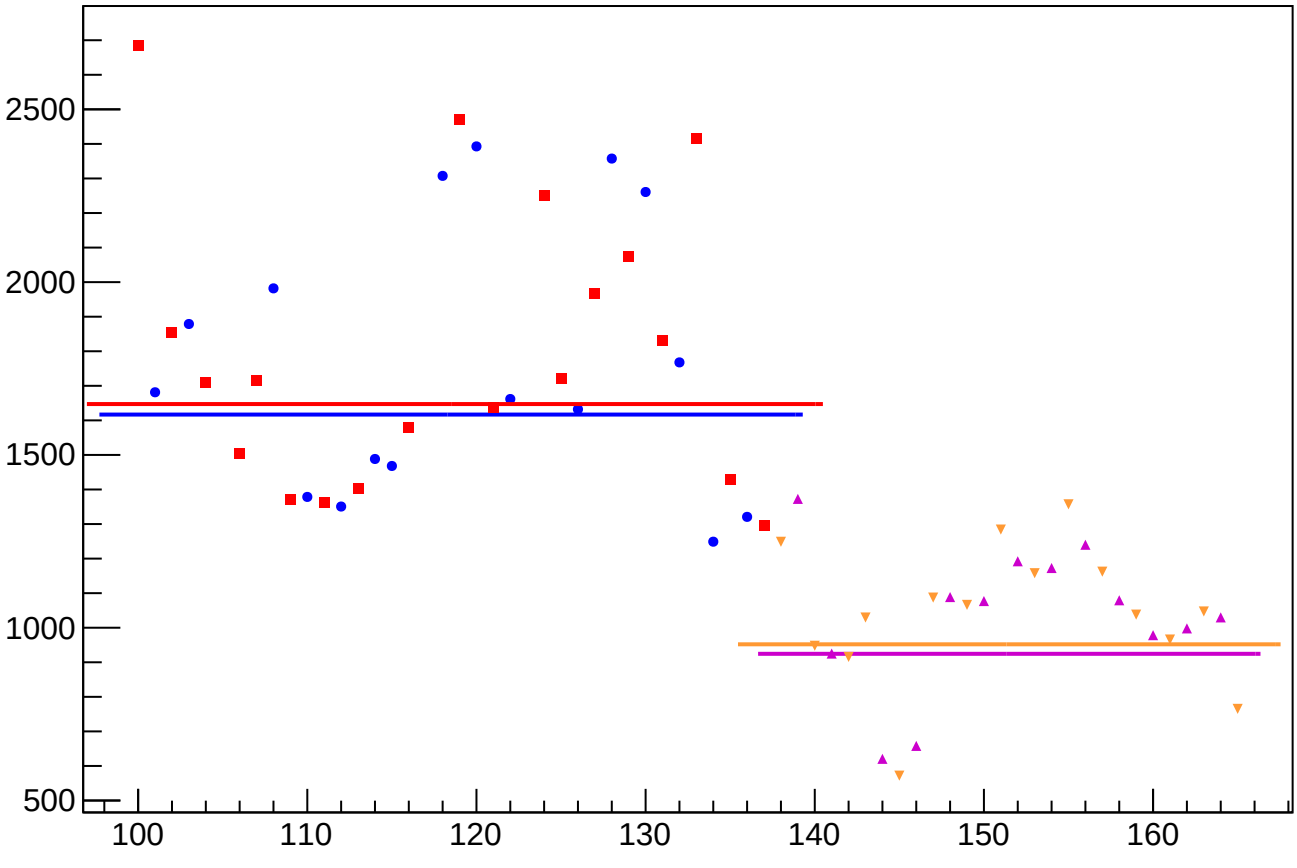
Left: 722.019+/-203.627 χ^2/NDF: 58.2/27

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 51.102+/-262.277 χ^2/NDF:35.5/28

Out: 1035.745+/-259.731 χ^2/NDF:62.8/33

All: 548.226+/-184.551 χ^2/NDF: 105.4/62



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 952.009+/-0.203 χ^2/NDF:1302465.5/14

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 924.487+/-0.205 χ^2/NDF:1277990.0/12

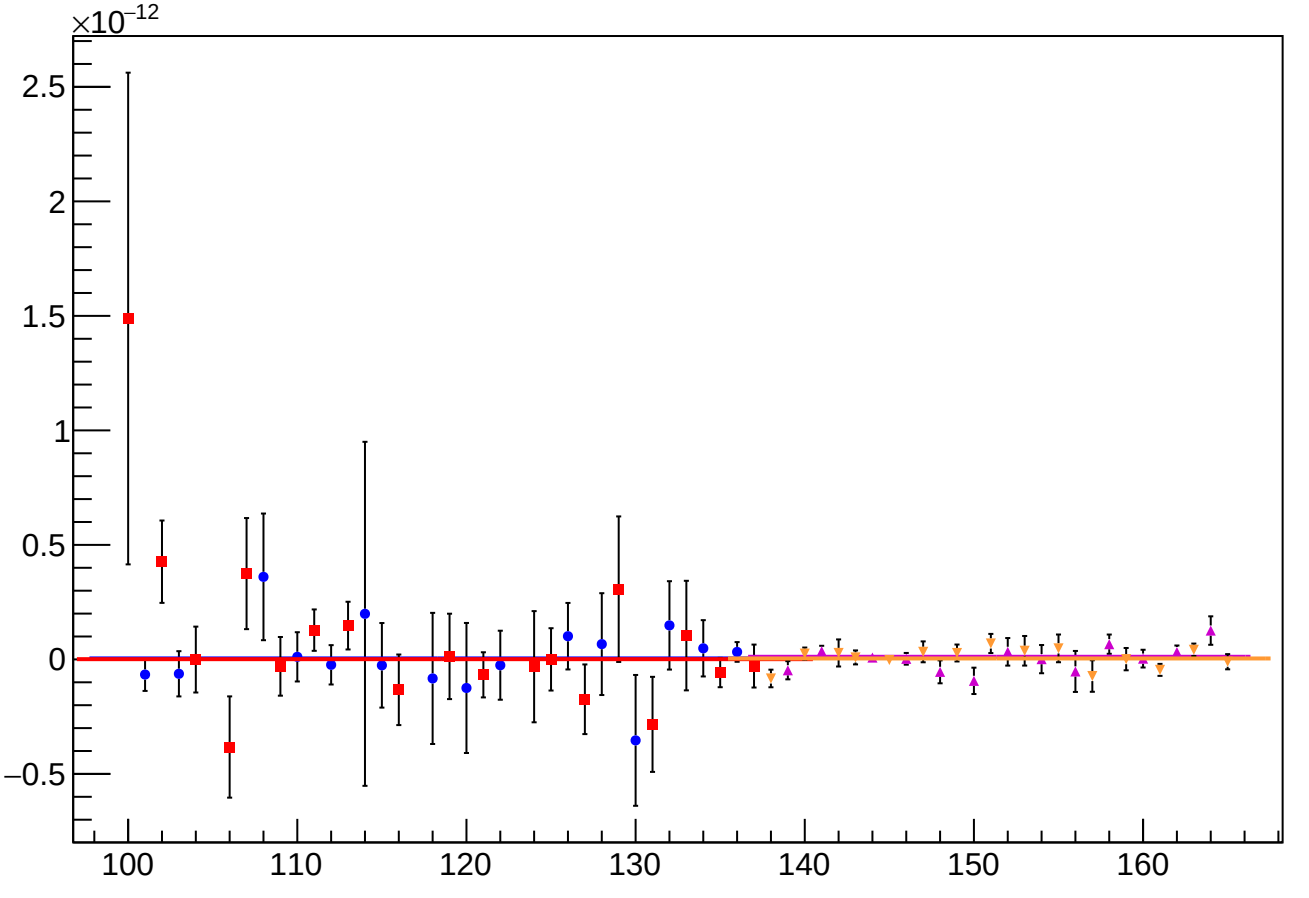
Left: 938.400+/-0.144 χ^2/NDF: 2589588.0/27

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1048.867+/-0.185 χ^2/NDF:3954079.3/28

Out: 1075.434+/-0.184 χ^2/NDF:3918635.8/33

All: 1062.280+/-0.130 χ^2/NDF: 7883075.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/12

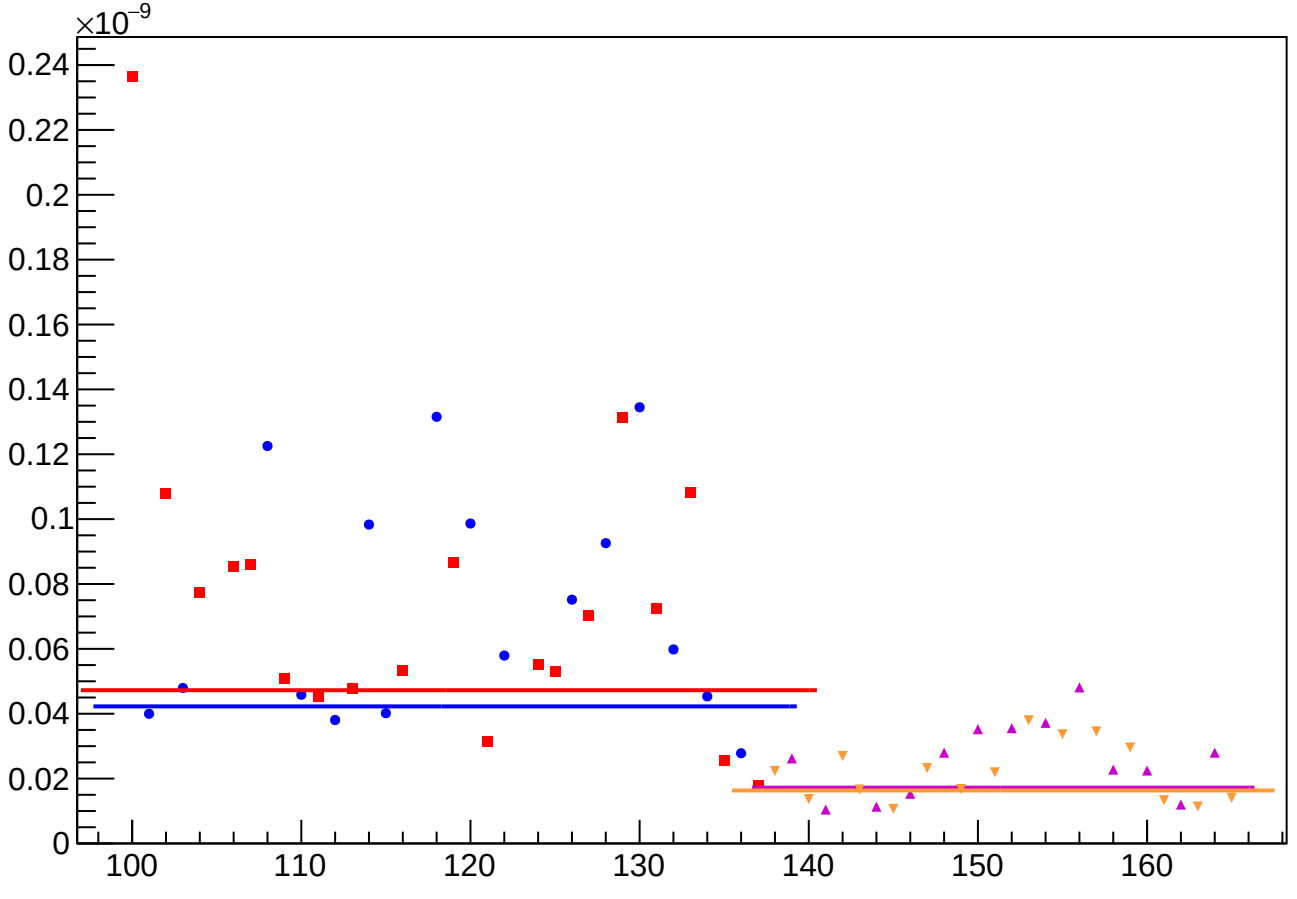
Left: 0.000+/-0.000 χ^2/NDF: 32.3/27

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:21.7/28

Out: 0.000+/-0.000 χ^2/NDF:40.6/33

All: 0.000+/-0.000 χ^2/NDF: 62.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1182659.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1608270.9/12

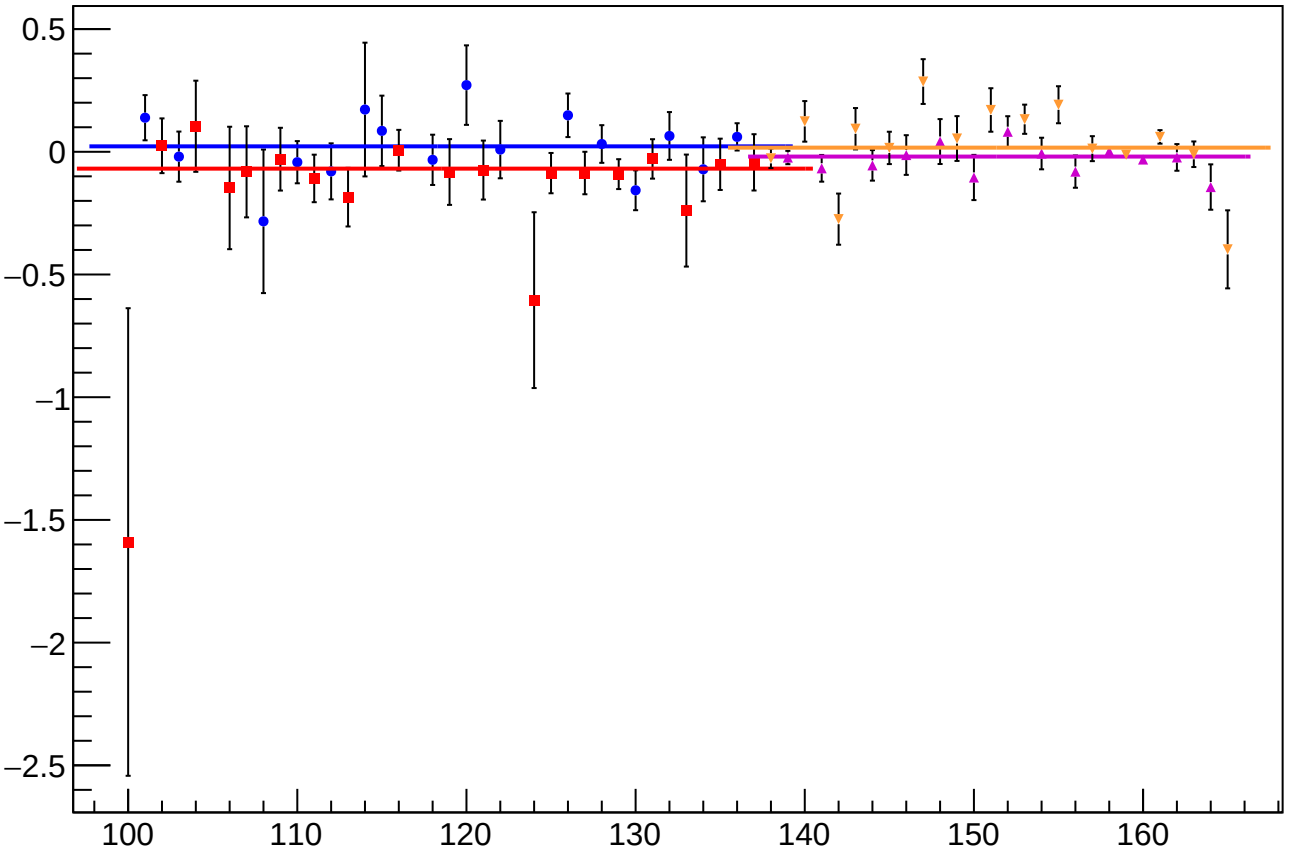
Left: 0.000+/-0.000 χ^2/NDF: 2799997.1/27

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4264558.5/28

Out: 0.000+/-0.000 χ^2/NDF:4514140.3/33

All: 0.000+/-0.000 χ^2/NDF: 8797912.0/62



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

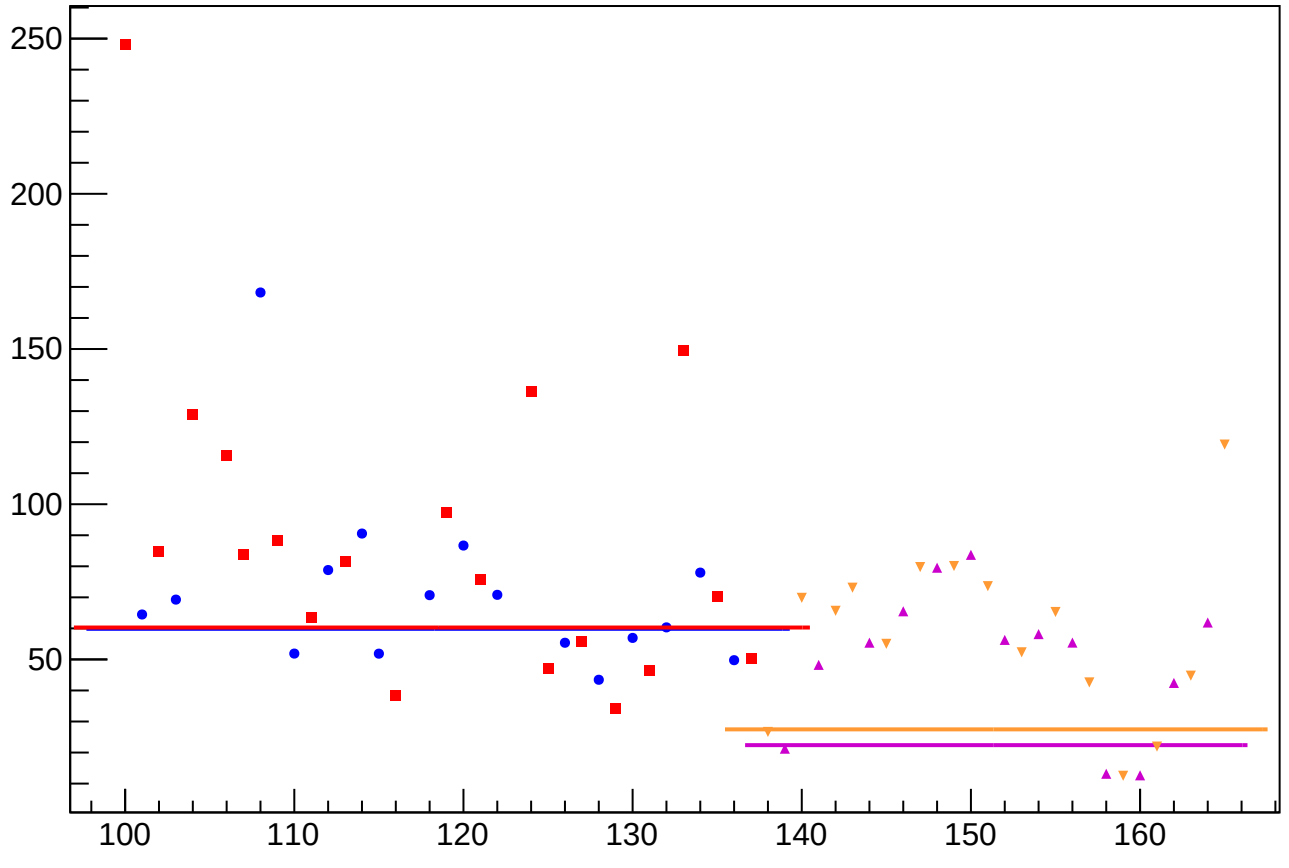
Left: -0.004+/-0.007 χ^2/NDF: 62.0/27

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 94.6/62



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.468+/-0.008 χ^2/NDF:7460953.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

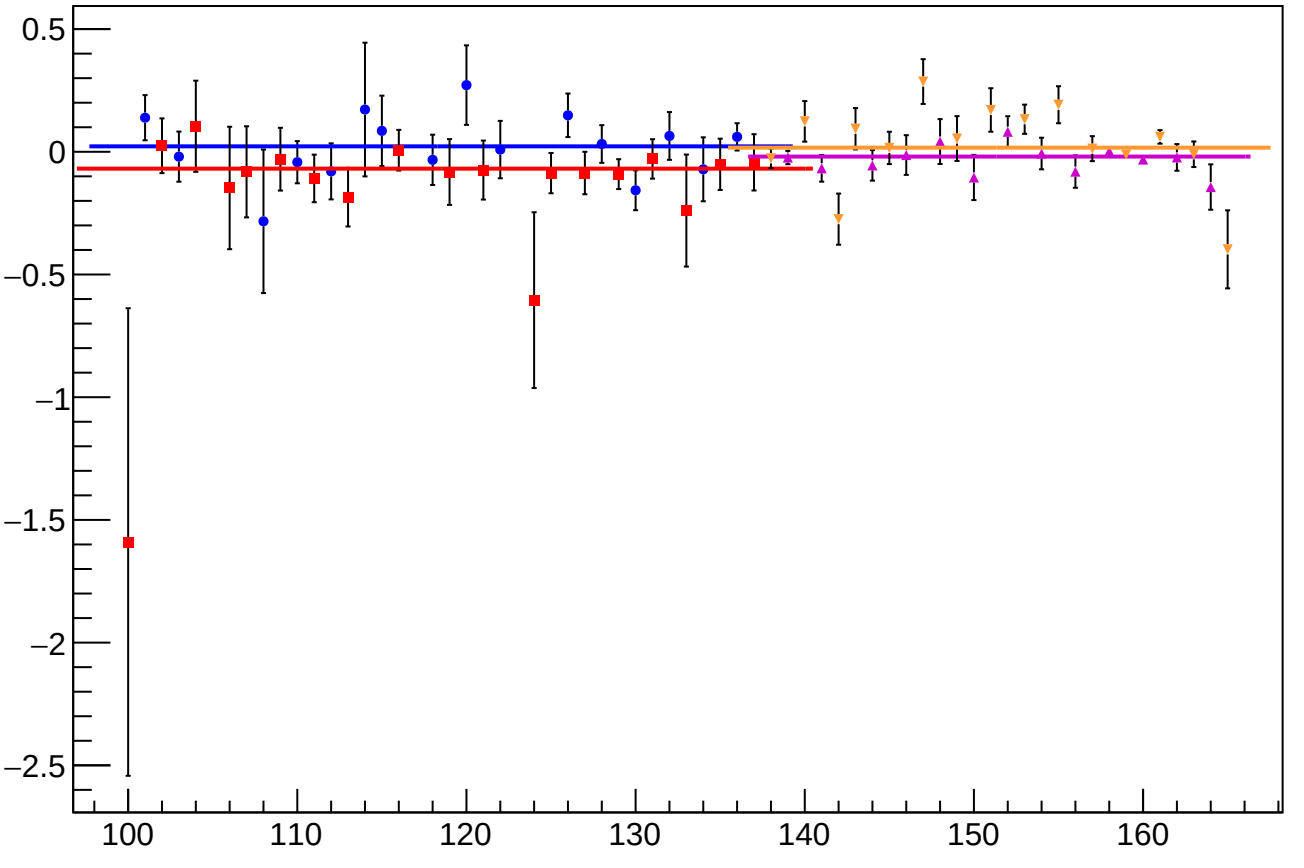
Left: 24.562+/-0.005 χ^2/NDF: 14673034.0/27

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.189+/-0.006 χ^2/NDF:11687455.5/28

Out: 32.640+/-0.007 χ^2/NDF:12276484.4/33

All: 29.568+/-0.005 χ^2/NDF: 24296490.2/62



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

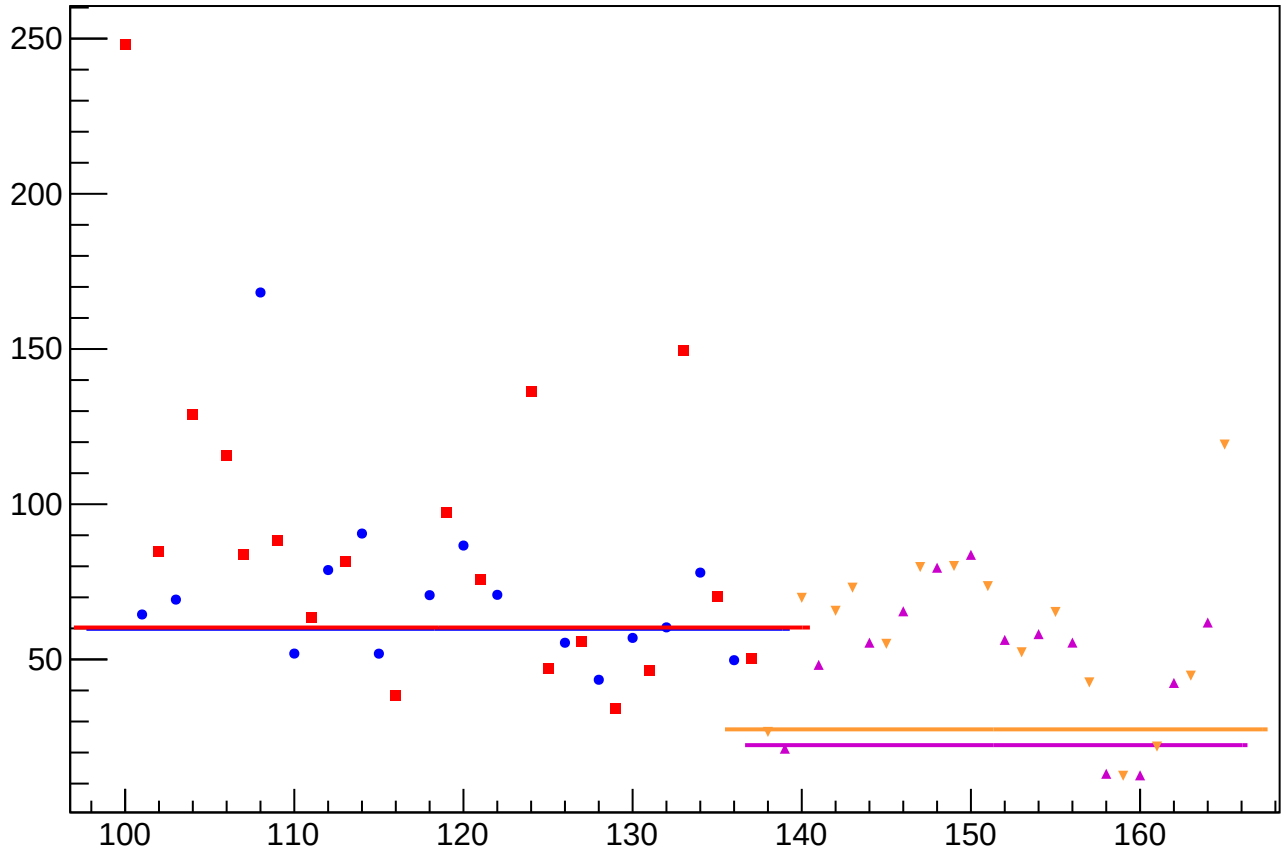
Left: -0.004+/-0.007 χ^2/NDF: 62.0/27

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 94.6/62



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.468+/-0.008 χ^2/NDF:7460953.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

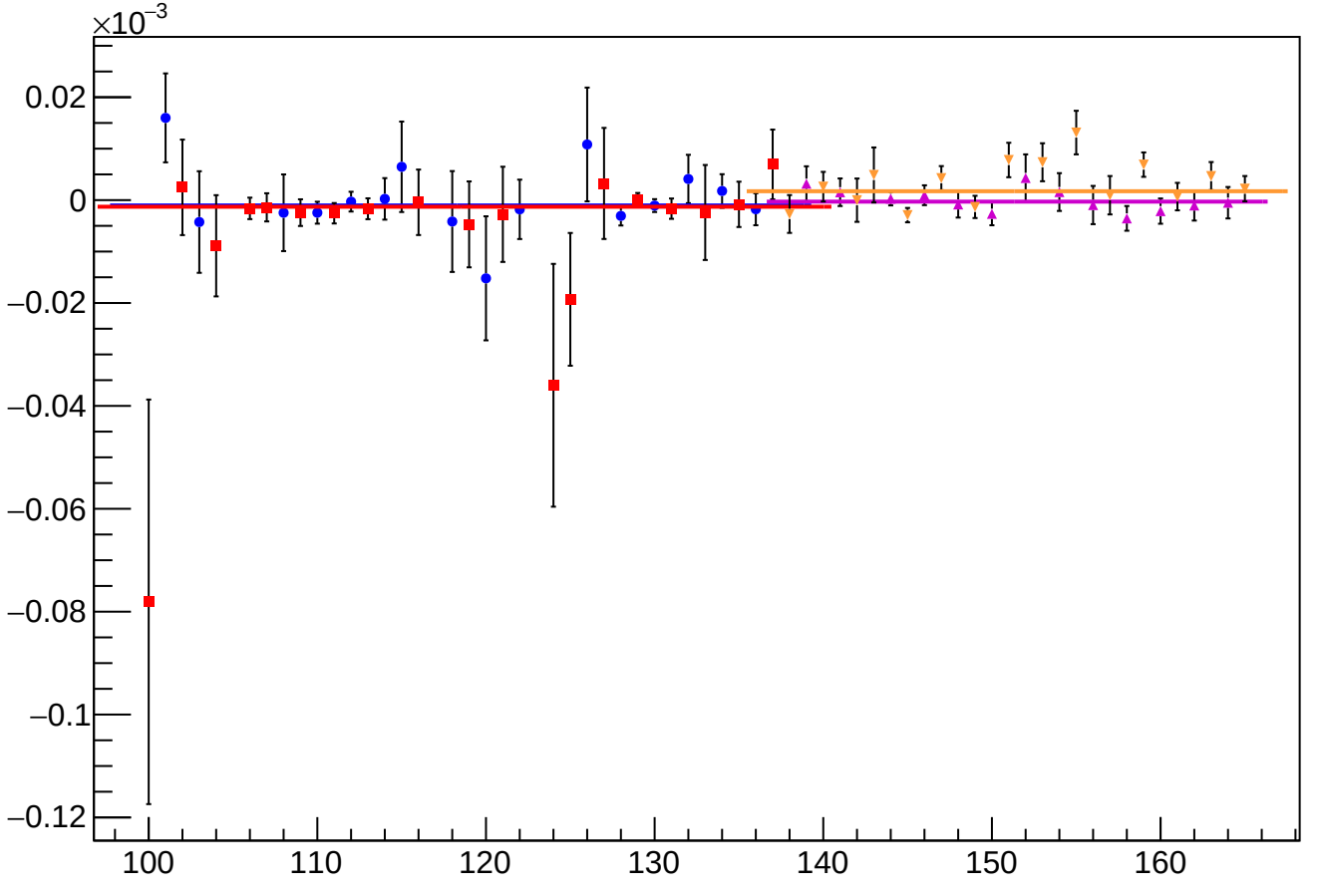
Left: 24.562+/-0.005 χ^2/NDF: 14673034.0/27

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.189+/-0.006 χ^2/NDF:11687455.5/28

Out: 32.640+/-0.007 χ^2/NDF:12276484.4/33

All: 29.568+/-0.005 χ^2/NDF: 24296490.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/12

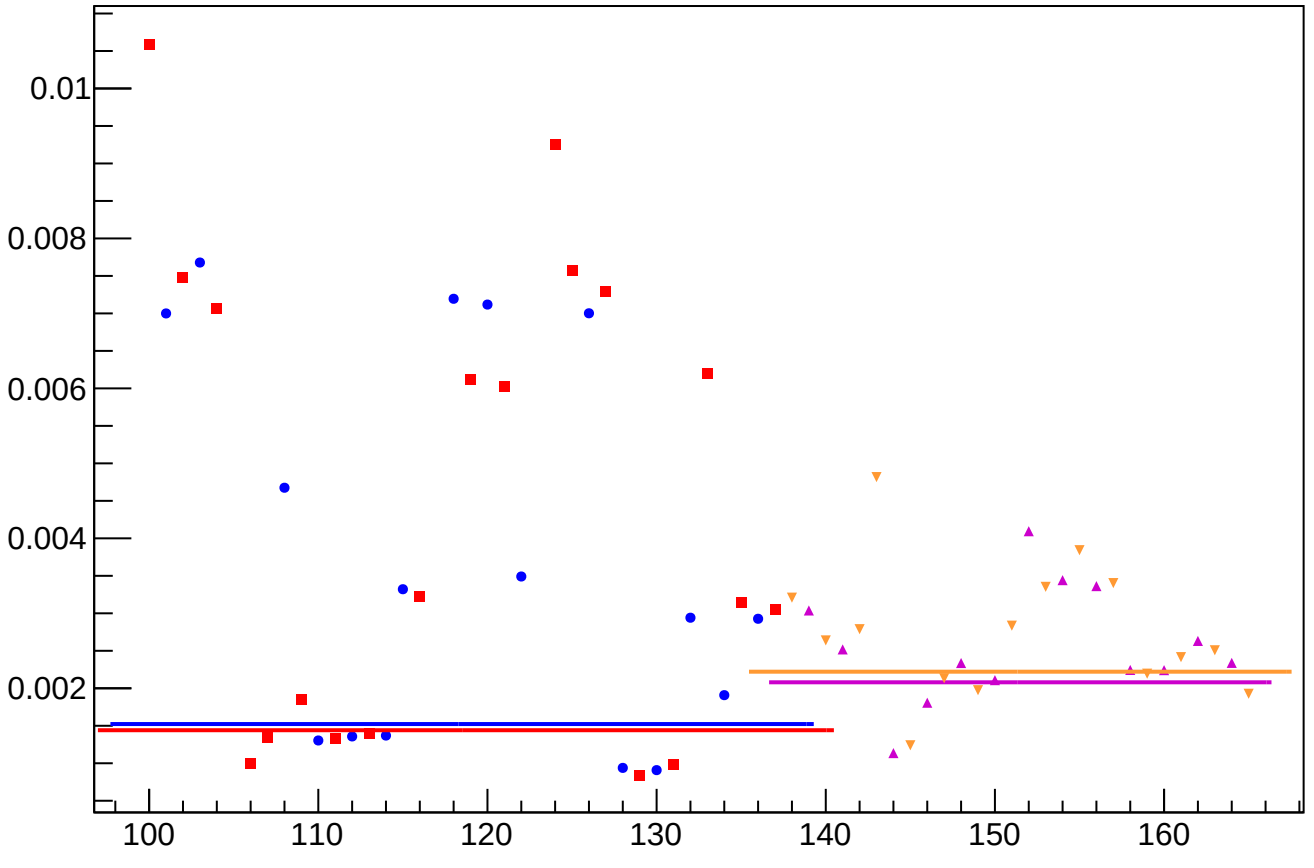
Left: 0.000+/-0.000 χ^2/NDF: 46.7/27

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/28

Out: 0.000+/-0.000 χ^2/NDF:57.1/33

All: -0.000+/-0.000 χ^2/NDF: 77.6/62



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2517800.4/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2321814.5/12

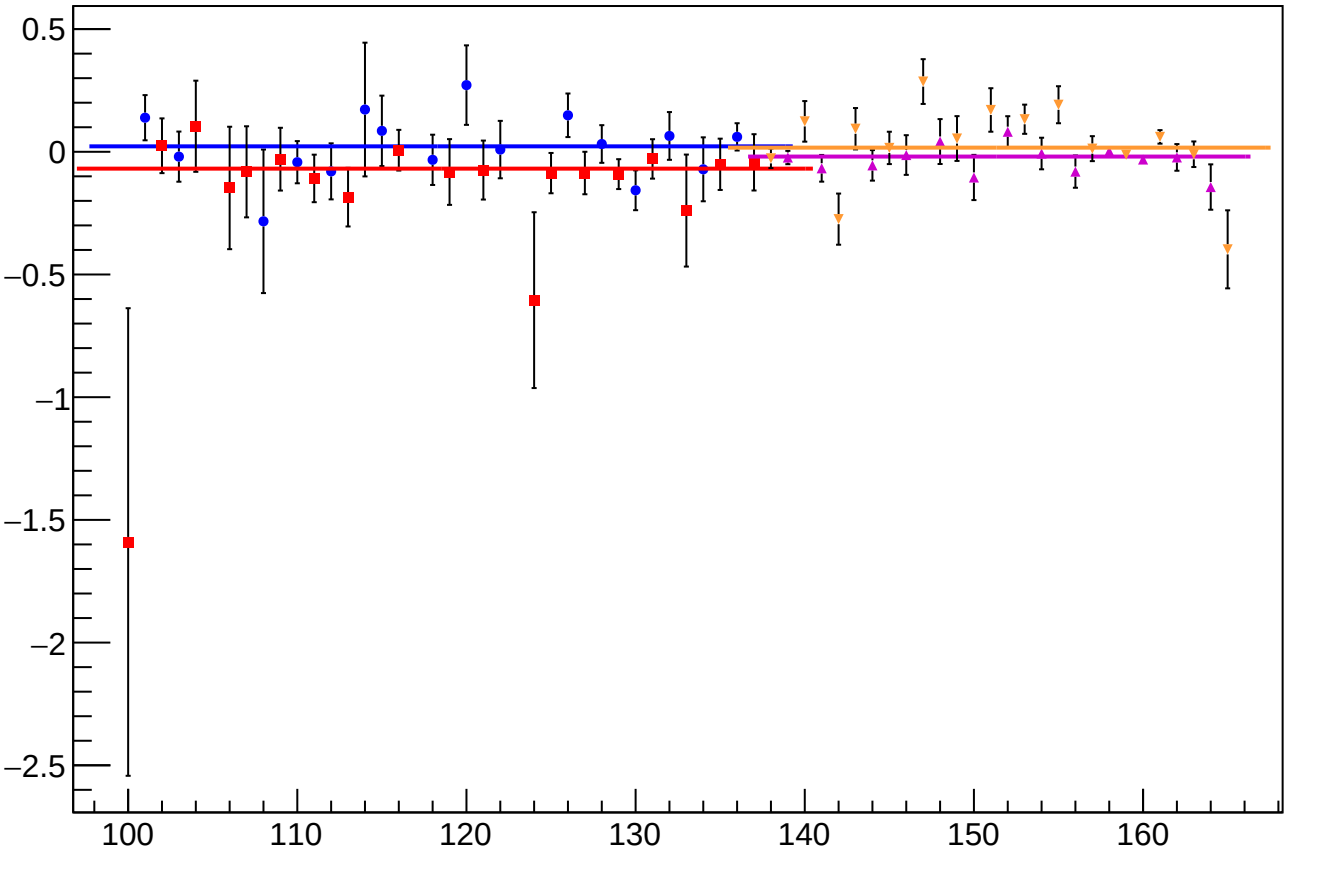
Left: 0.002+/-0.000 χ^2/NDF: 4882599.8/27

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8123588.5/28

Out: 0.002+/-0.000 χ^2/NDF:9570366.5/33

All: 0.002+/-0.000 χ^2/NDF: 17694346.2/62



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

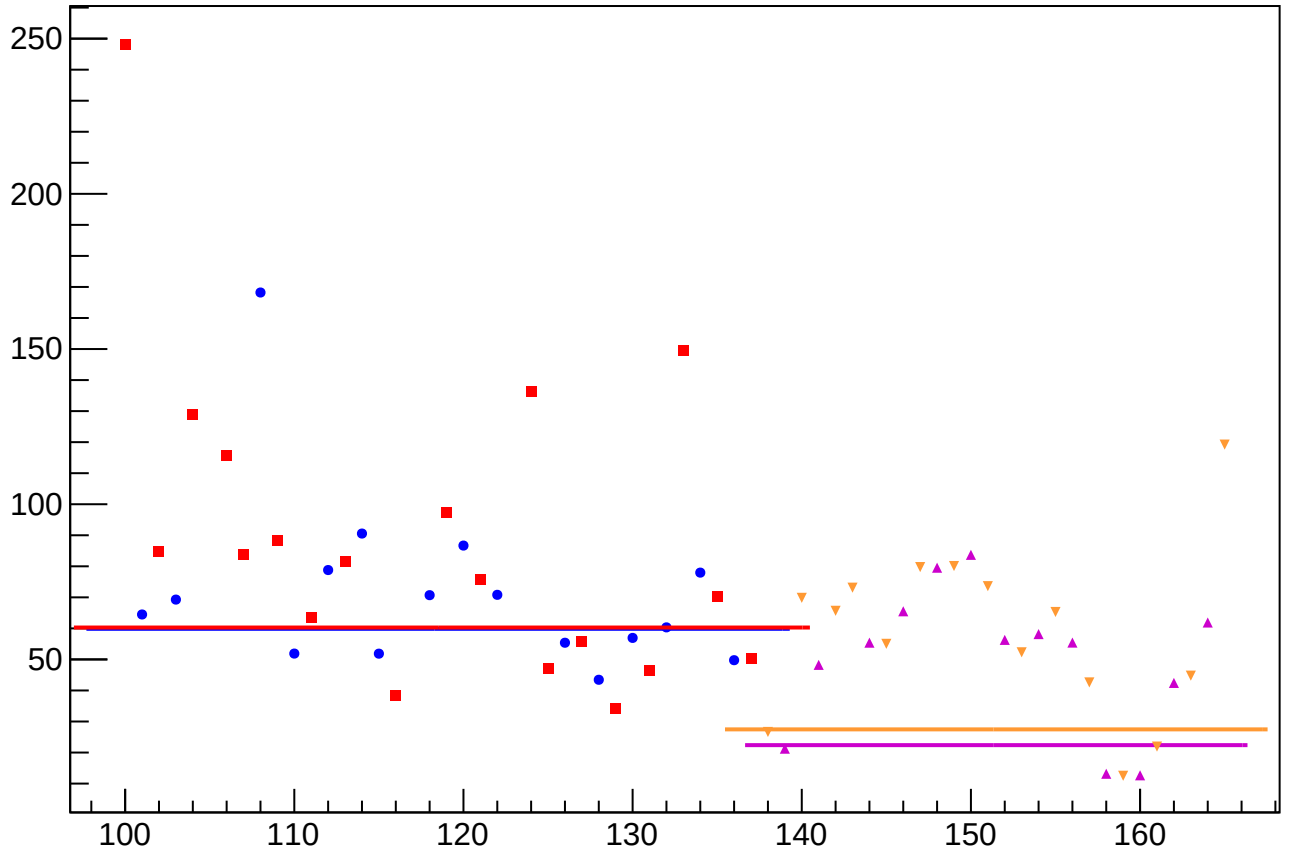
Left: -0.004+/-0.007 χ^2/NDF: 62.0/27

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 94.6/62



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.466+/-0.008 χ^2/NDF:7461964.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

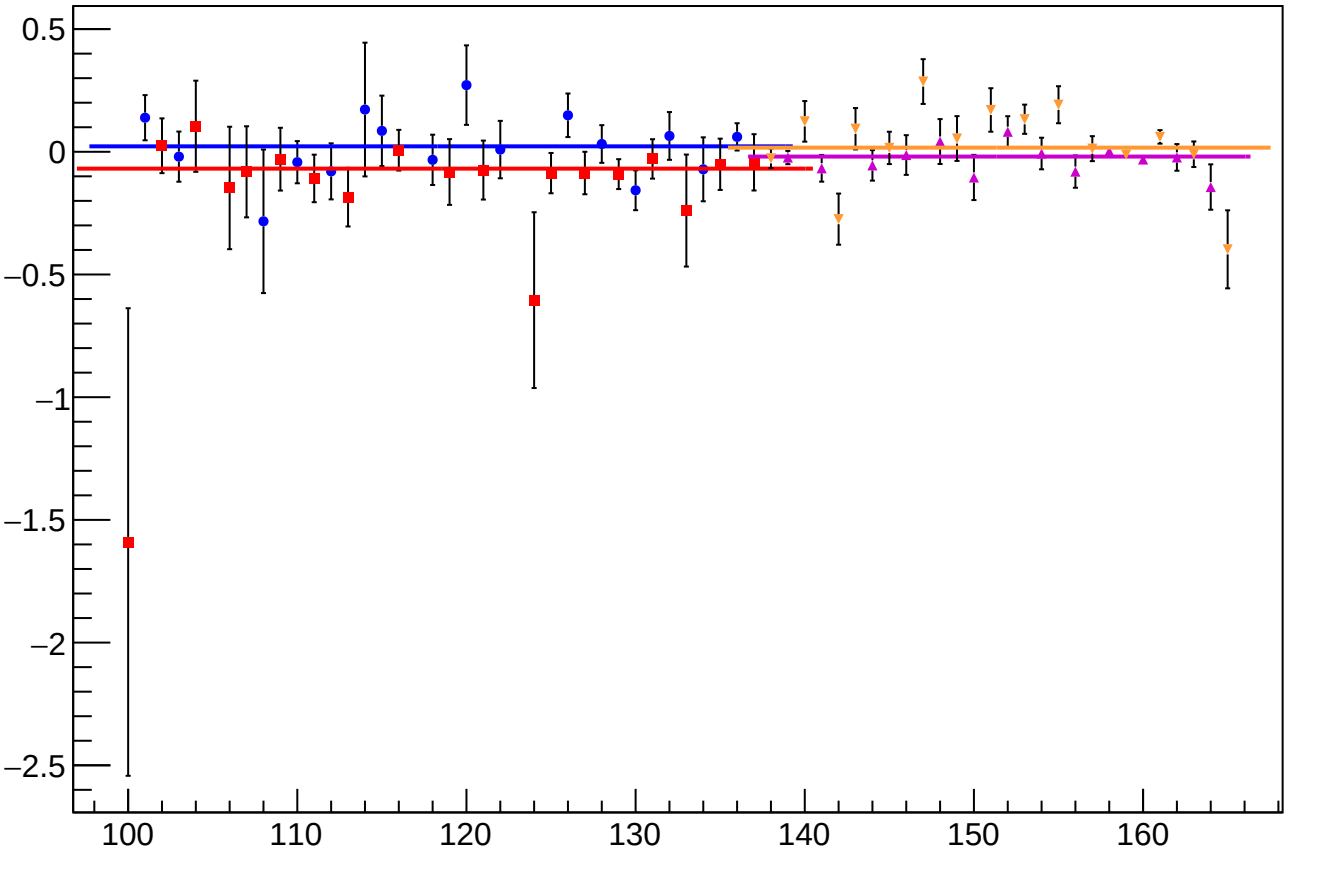
Left: 24.561+/-0.005 χ^2/NDF: 14674276.7/27

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

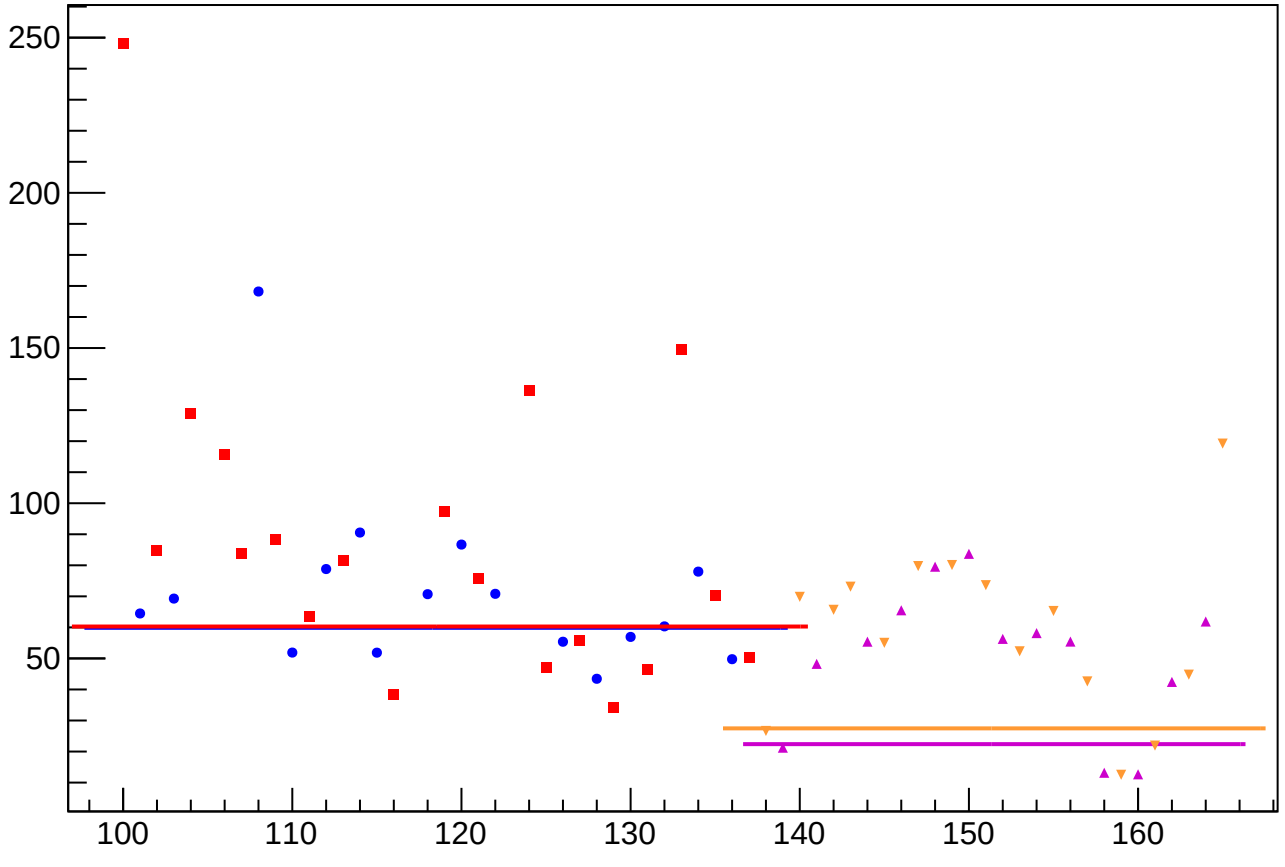
In: 27.188+/-0.006 χ^2/NDF:11688118.8/28

Out: 32.638+/-0.007 χ^2/NDF:12278041.8/33

All: 29.566+/-0.005 χ^2/NDF: 24298537.0/62


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: 0.022+/-0.025 χ²/NDF: 15.5/15
Left Out: 0.017+/-0.011 χ²/NDF:45.7/14
Right Out: -0.069+/-0.025 χ²/NDF: 9.6/18
Left In: -0.019+/-0.009 χ²/NDF:10.0/12
Left: -0.004+/-0.007 χ²/NDF: 62.0/27
Right: -0.022+/-0.018 χ²/NDF: 31.7/34
In: -0.014+/-0.009 χ²/NDF:28.0/28
Out: 0.003+/-0.010 χ²/NDF:64.9/33
All: -0.006+/-0.007 χ²/NDF: 94.6/62

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: 27.466+/-0.008 χ^2/NDF:7461964.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

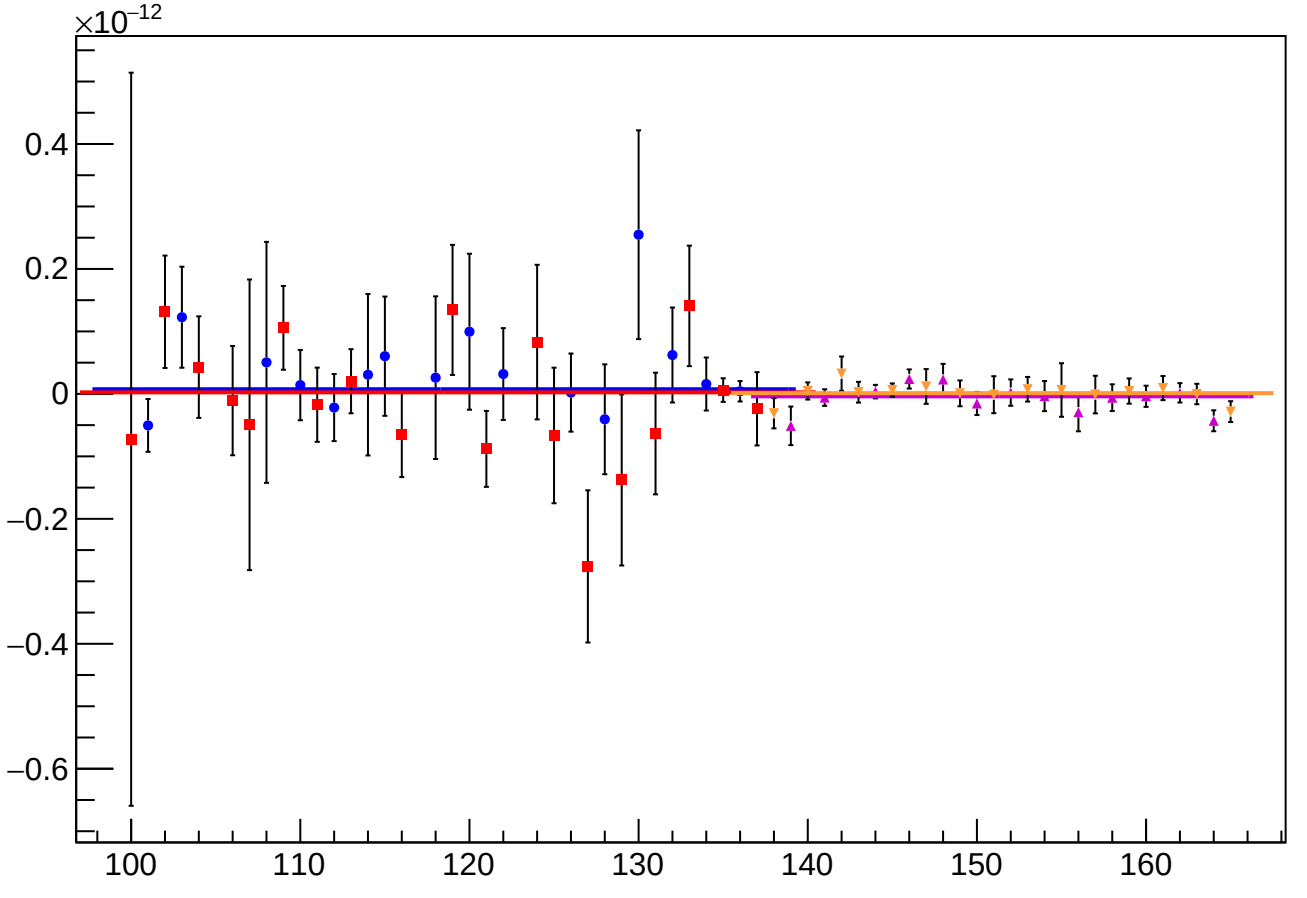
Left: 24.561+/-0.005 χ^2/NDF: 14674276.7/27

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.188+/-0.006 χ^2/NDF:11688118.8/28

Out: 32.638+/-0.007 χ^2/NDF:12278041.8/33

All: 29.566+/-0.005 χ^2/NDF: 24298537.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/12

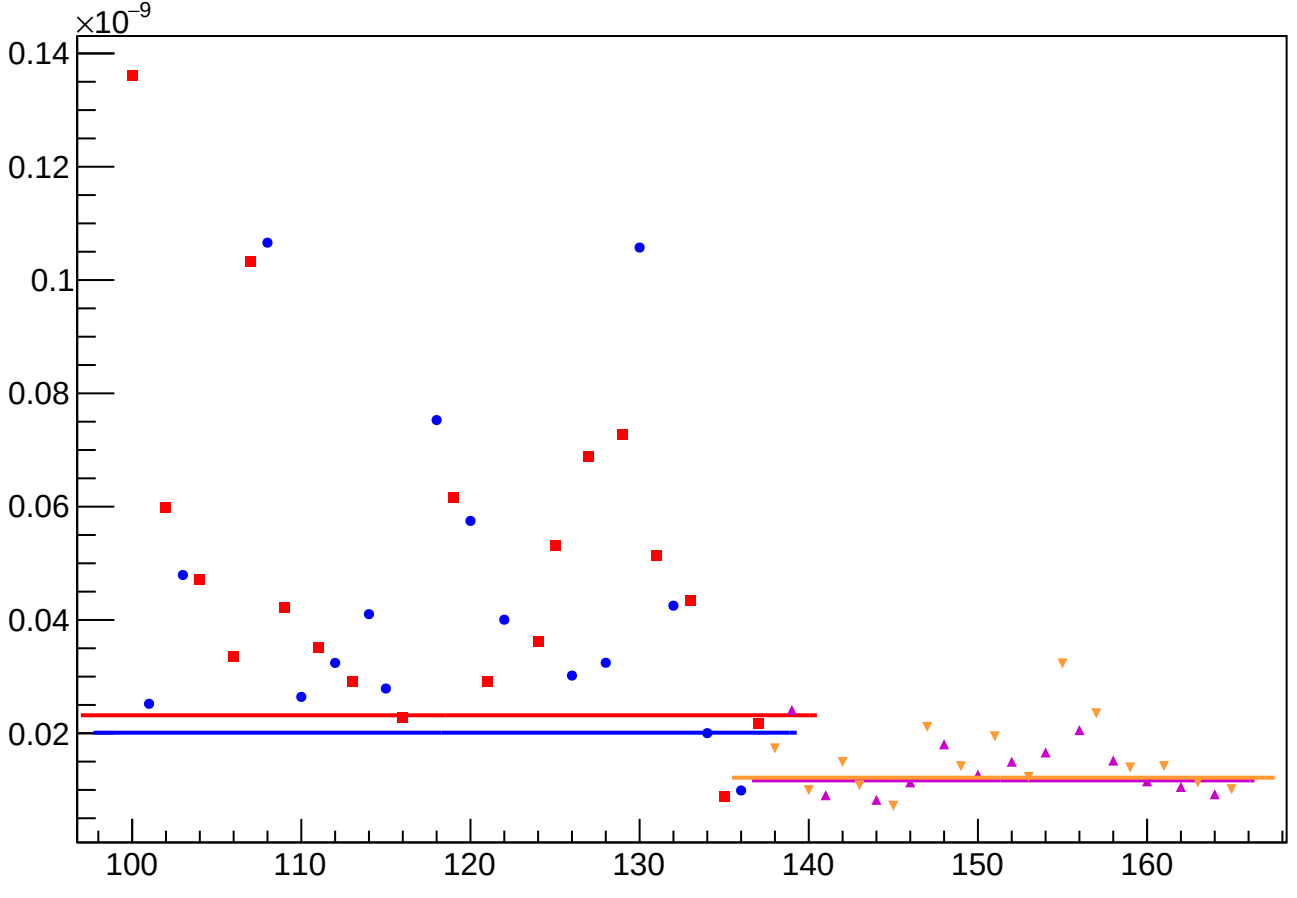
Left: -0.000+/-0.000 χ^2/NDF: 21.6/27

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:23.2/28

Out: 0.000+/-0.000 χ^2/NDF:26.7/33

All: -0.000+/-0.000 χ^2/NDF: 50.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761022.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1148025.9/12

Left: 0.000+/-0.000 χ^2/NDF: 2918705.7/27

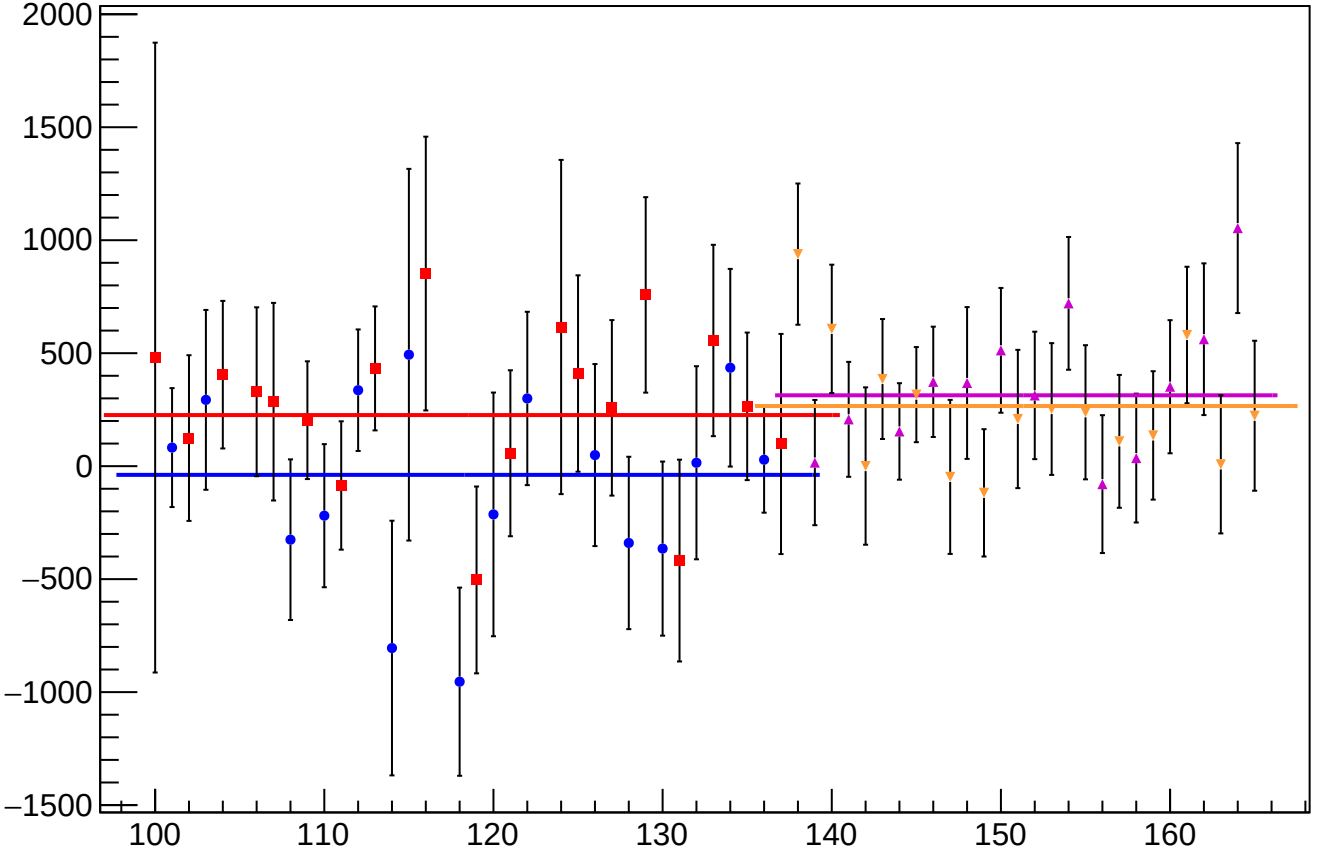
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:5097357.8/28

Out: 0.000+/-0.000 χ^2/NDF:6467260.6/33

All: 0.000+/-0.000 χ^2/NDF: 11580815.0/62

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.194+/-75.095 χ^2/NDF:12.0/14

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 313.606+/-78.128 χ^2/NDF:11.5/12

Left: 288.962+/-54.141 χ^2/NDF: 23.6/27

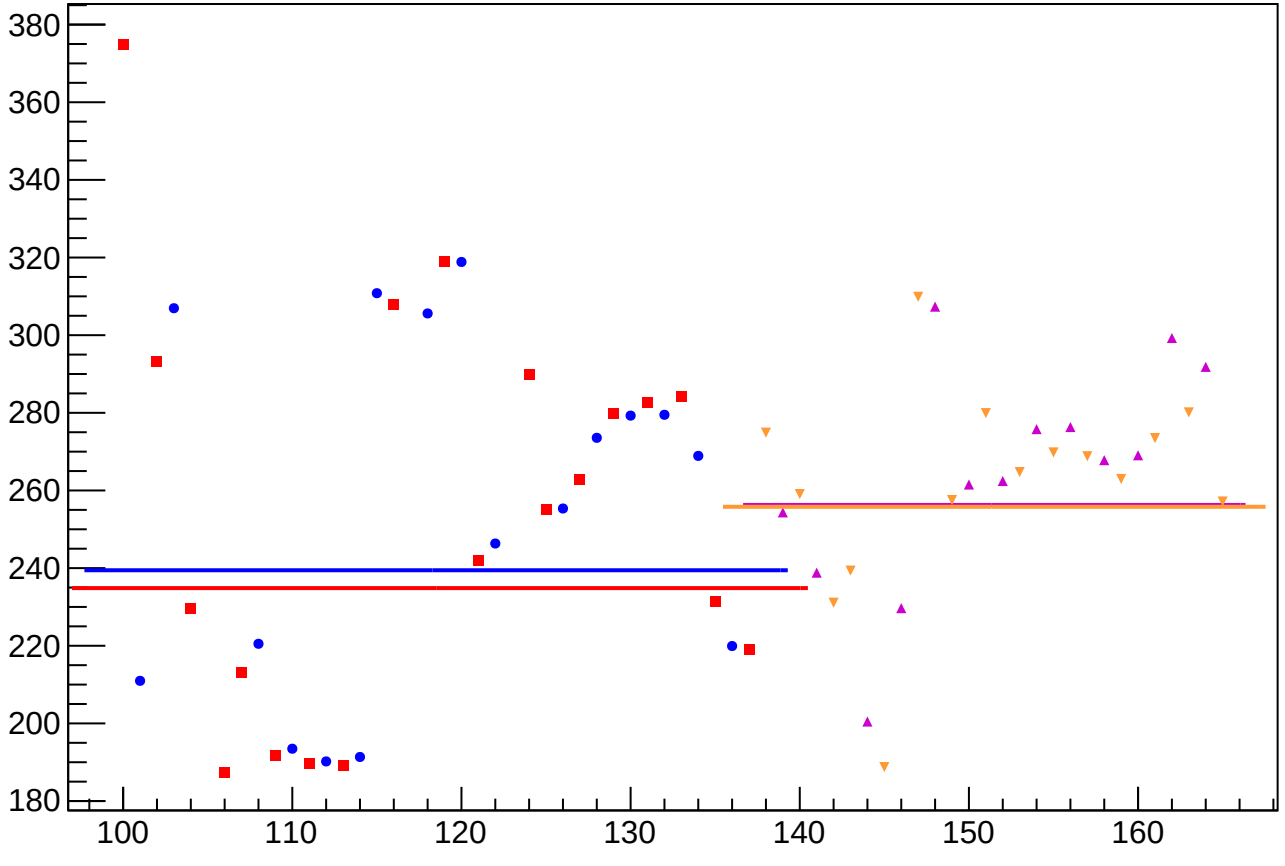
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 163.475+/-59.172 χ^2/NDF:34.6/28

Out: 249.308+/-57.098 χ^2/NDF:23.5/33

All: 207.922+/-41.088 χ^2/NDF: 59.2/62

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

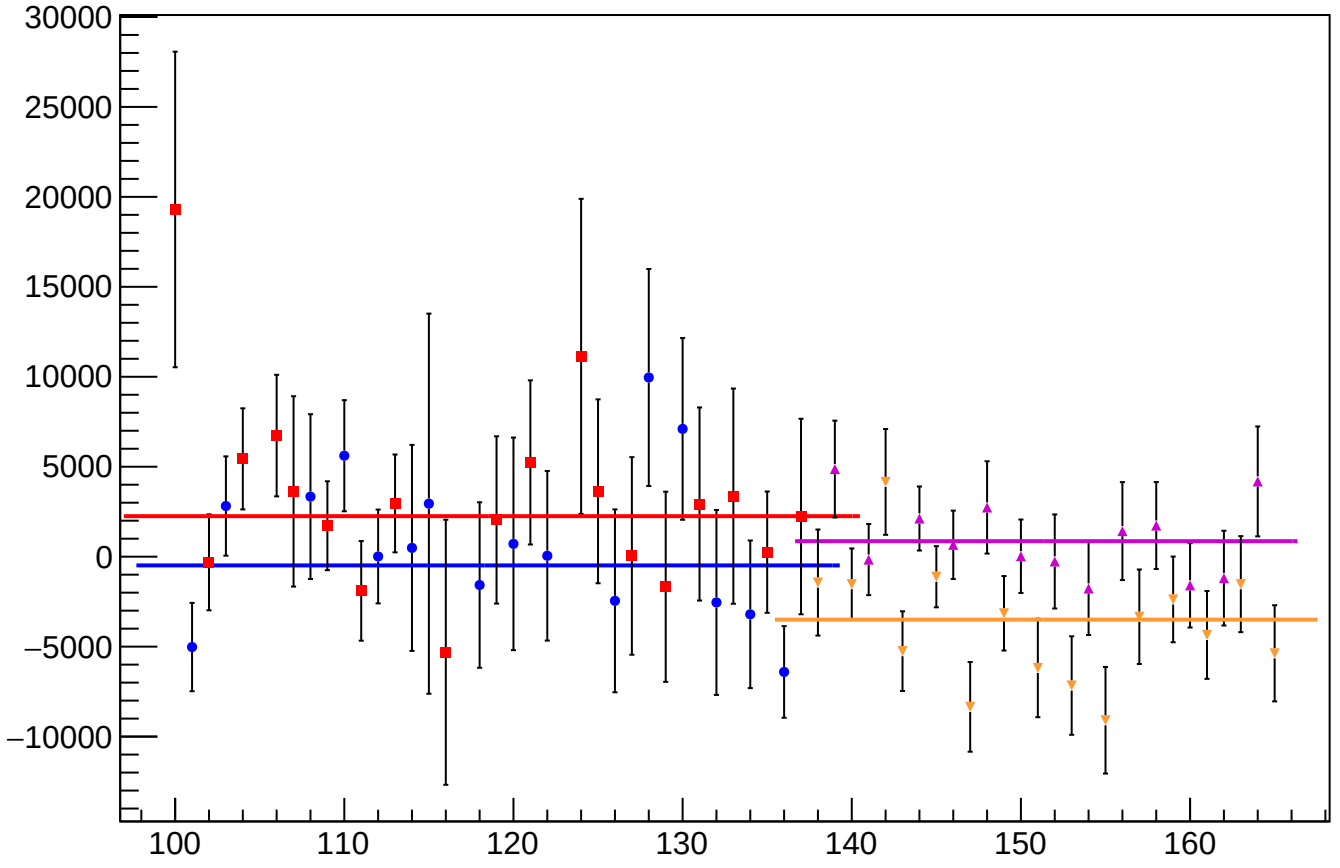
Left: 256.024+/-0.038 χ^2/NDF: 615298.7/27

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.097+/-0.042 χ^2/NDF:733378.8/28

Out: 246.963+/-0.040 χ^2/NDF:869704.9/33

All: 247.992+/-0.029 χ^2/NDF: 1604431.1/62



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3498.719+/-622.695 χ^2/NDF:22.4/14

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 860.989+/-643.654 χ^2/NDF:8.0/12

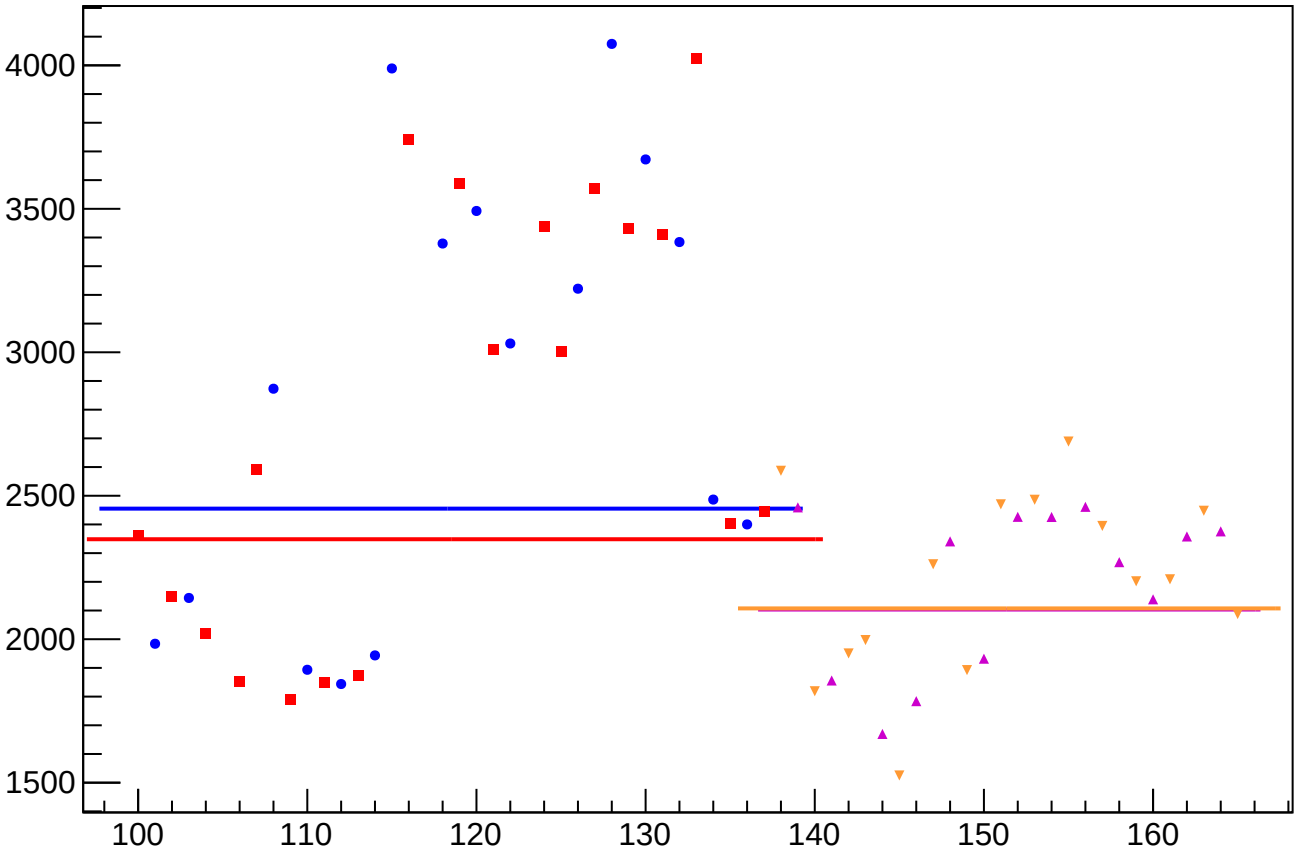
Left: -1391.001+/-447.538 χ^2/NDF: 54.0/27

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 435.661+/-532.416 χ^2/NDF:30.5/28

Out: -1620.664+/-510.996 χ^2/NDF:64.1/33

All: -634.698+/-368.669 χ^2/NDF: 102.4/62



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583405.1/14

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2103.371+/-0.455 χ^2/NDF:413364.9/12

Left: 2105.434+/-0.316 χ^2/NDF: 996809.8/27

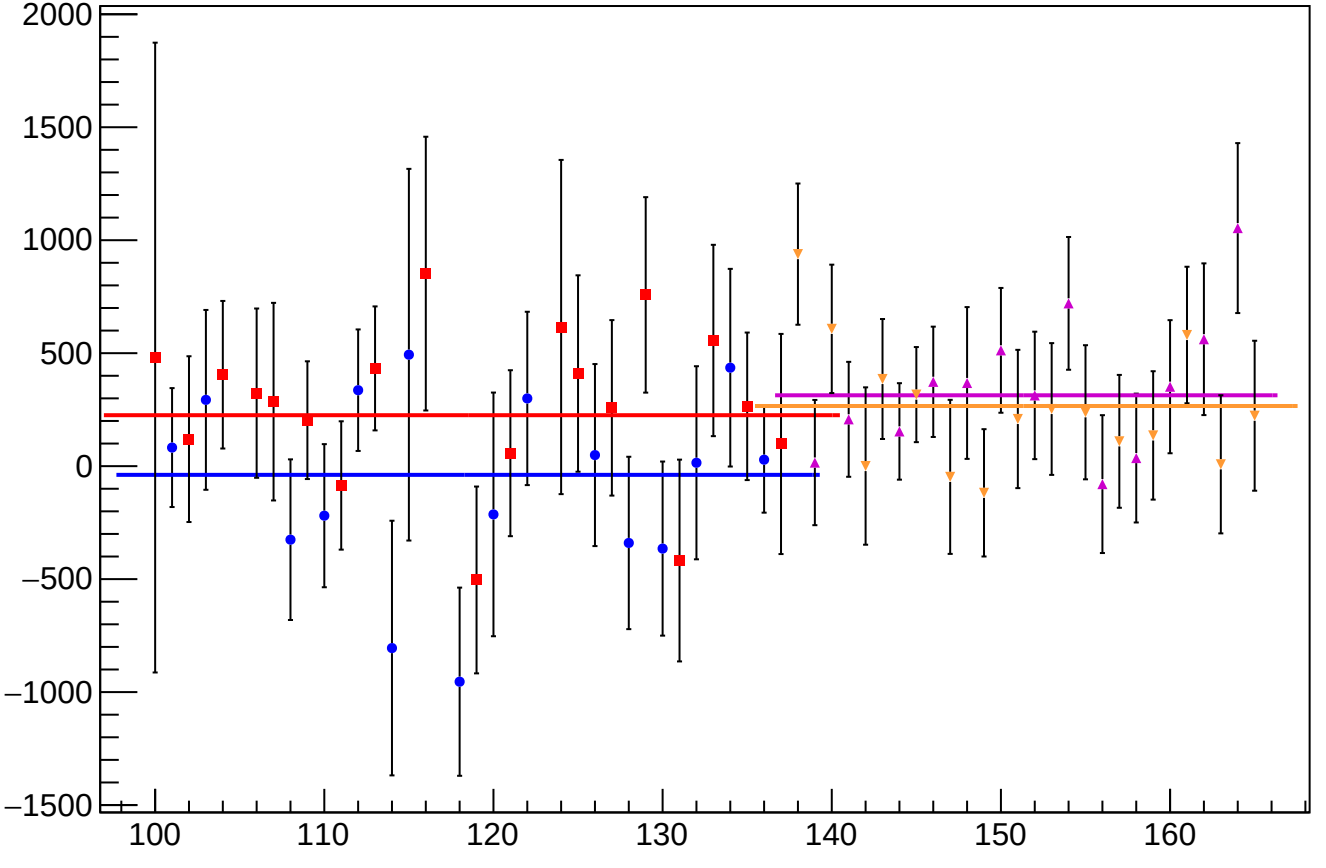
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2214.440+/-0.376 χ^2/NDF:1496349.4/28

Out: 2186.098+/-0.361 χ^2/NDF:1733730.4/33

All: 2199.688+/-0.261 χ^2/NDF: 3233029.8/62

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.203+/-75.095 χ^2/NDF:12.0/14

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 313.610+/-78.128 χ^2/NDF:11.5/12

Left: 288.968+/-54.141 χ^2/NDF: 23.6/27

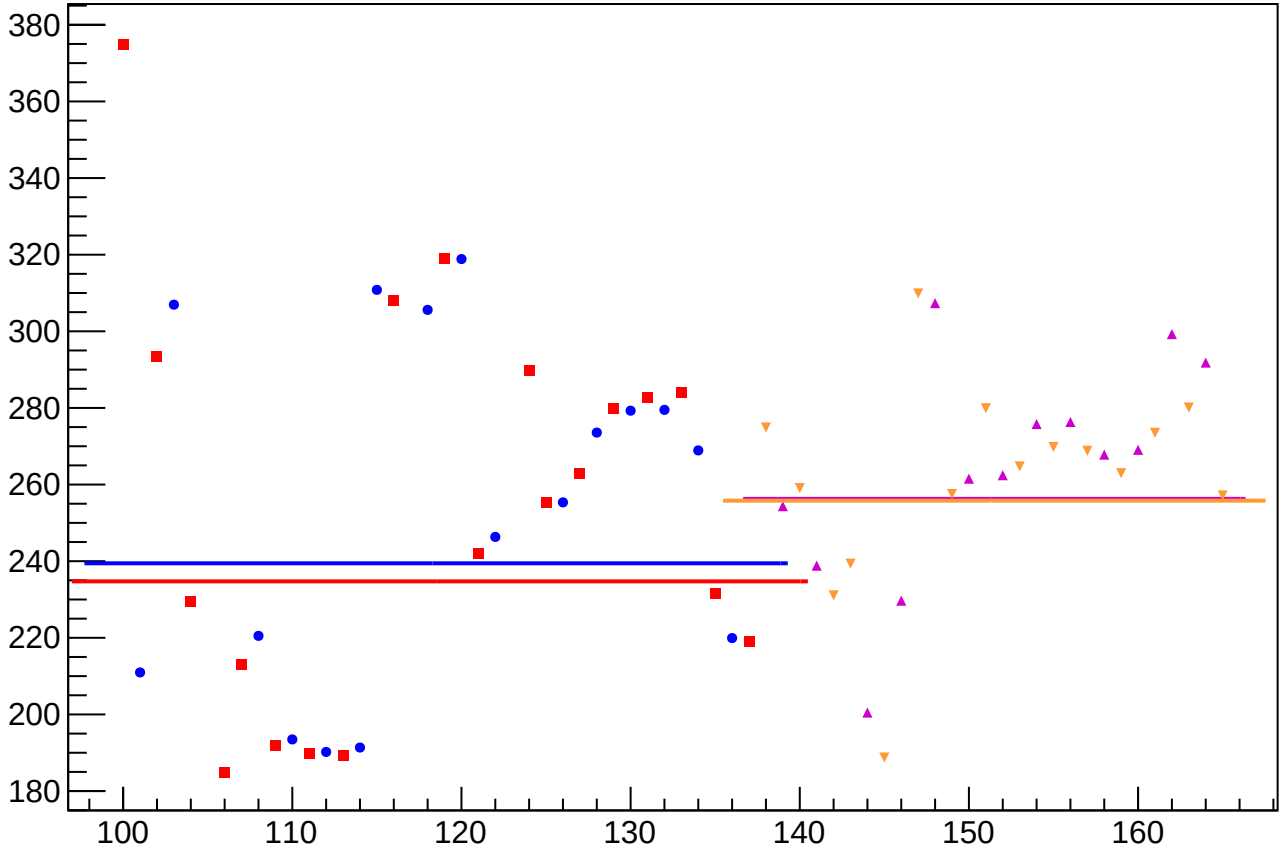
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 163.468+/-59.172 χ^2/NDF:34.6/28

Out: 249.041+/-57.102 χ^2/NDF:23.5/33

All: 207.777+/-41.089 χ^2/NDF: 59.2/62

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

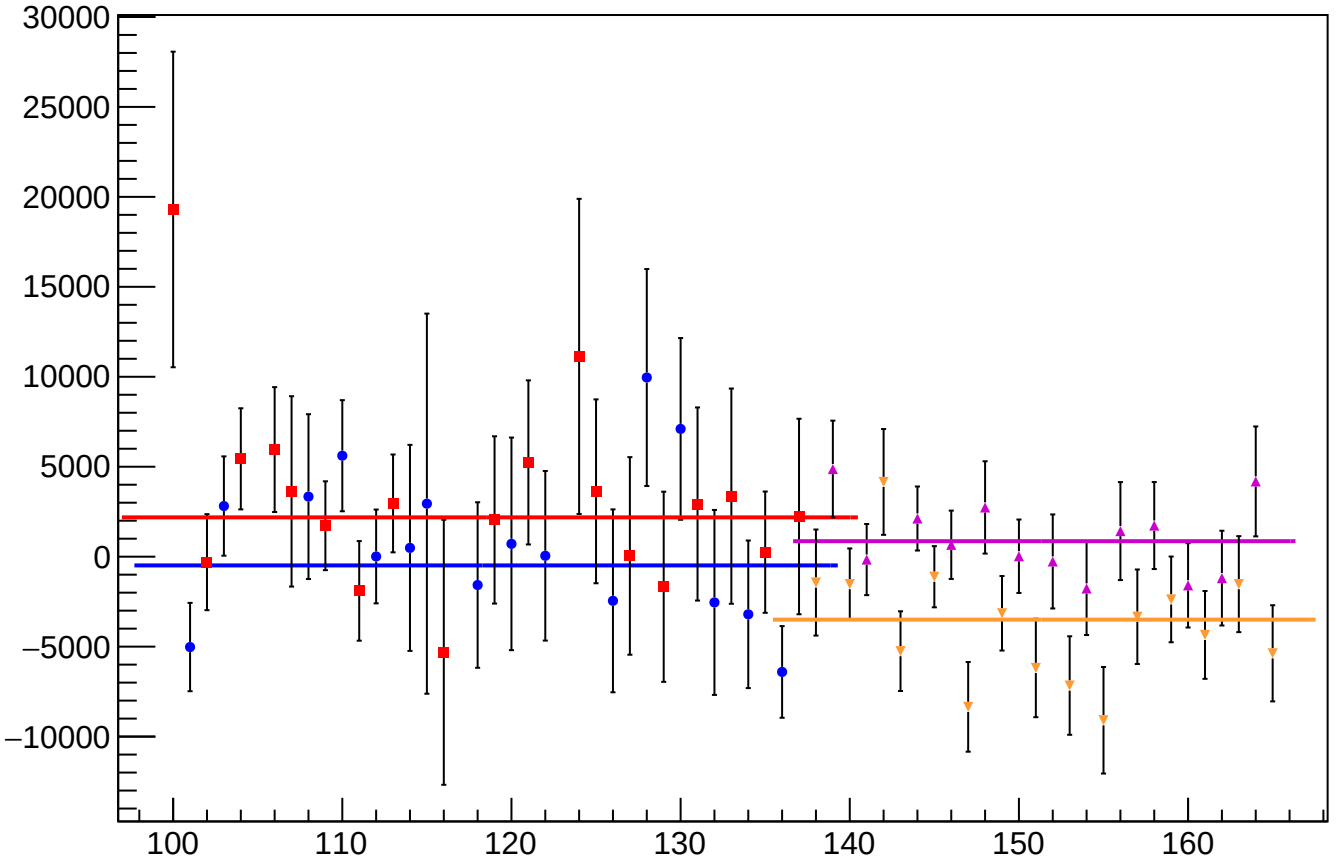
Left: 256.024+/-0.038 χ^2/NDF: 615298.7/27

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.097+/-0.042 χ^2/NDF:733381.0/28

Out: 246.913+/-0.040 χ^2/NDF:873981.0/33

All: 247.966+/-0.029 χ^2/NDF: 1608772.9/62



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3498.708+/-622.695 χ^2/NDF:22.4/14

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 861.003+/-643.654 χ^2/NDF:8.0/12

Left: -1390.989+/-447.538 χ^2/NDF: 54.0/27

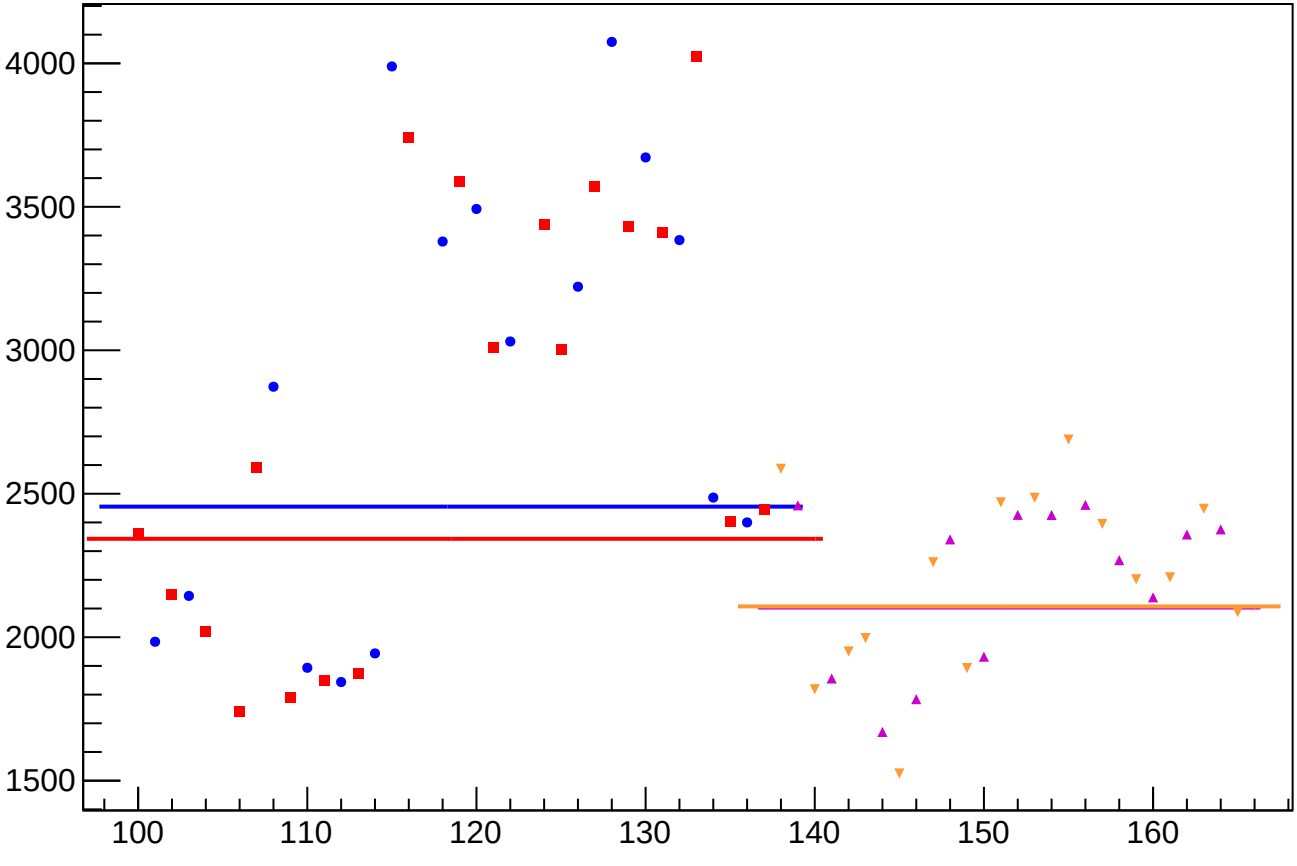
Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 435.622+/-532.418 χ^2/NDF:30.5/28

Out: -1647.280+/-511.311 χ^2/NDF:62.8/33

All: -647.933+/-368.788 χ^2/NDF: 101.2/62

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583407.0/14

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

Left: 2105.434+/-0.316 χ^2/NDF: 996809.7/27

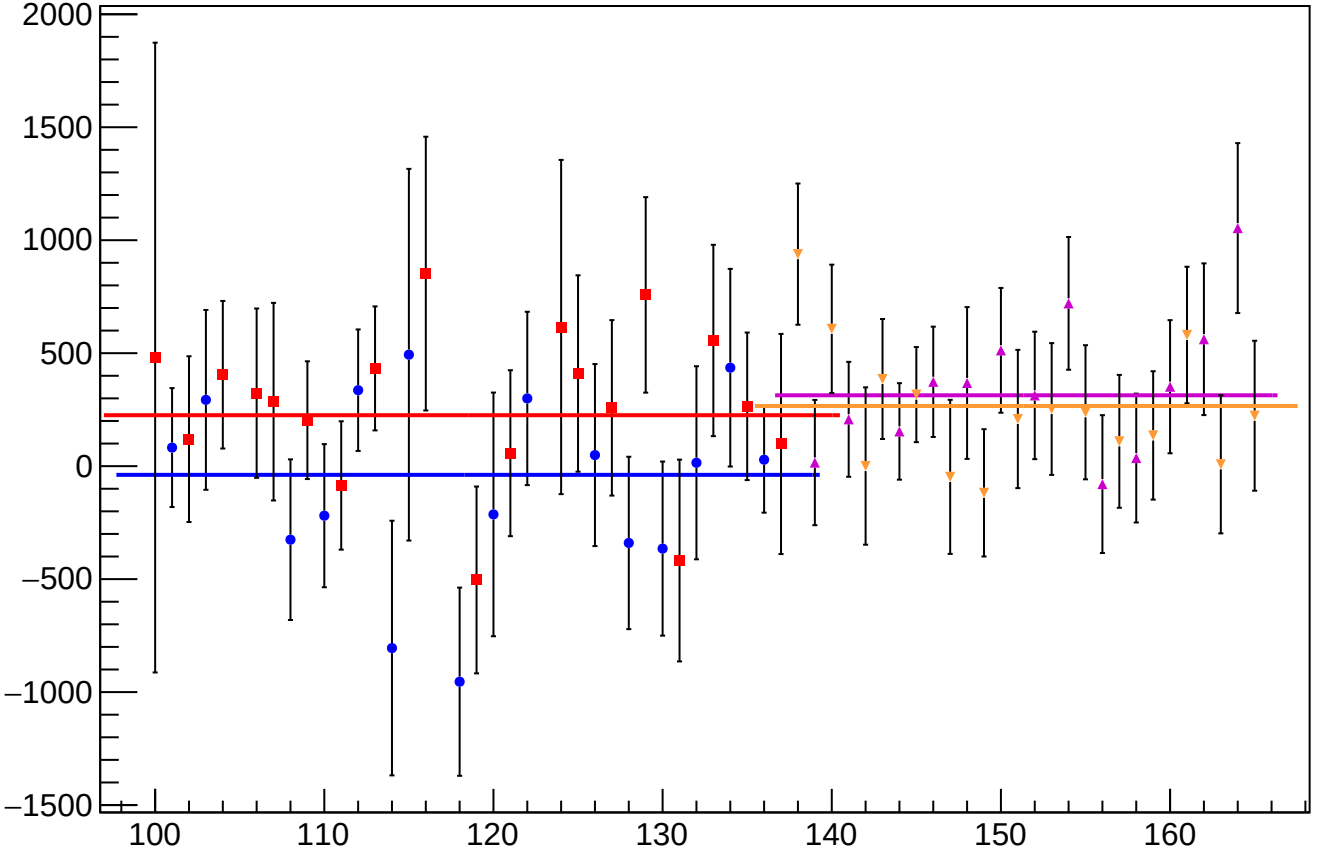
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2214.447+/-0.376 χ^2/NDF:1496339.3/28

Out: 2184.109+/-0.362 χ^2/NDF:1747052.0/33

All: 2198.665+/-0.261 χ^2/NDF: 3246769.5/62

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.203+/-75.095 χ^2/NDF:12.0/14

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 313.610+/-78.128 χ^2/NDF:11.5/12

Left: 288.968+/-54.141 χ^2/NDF: 23.6/27

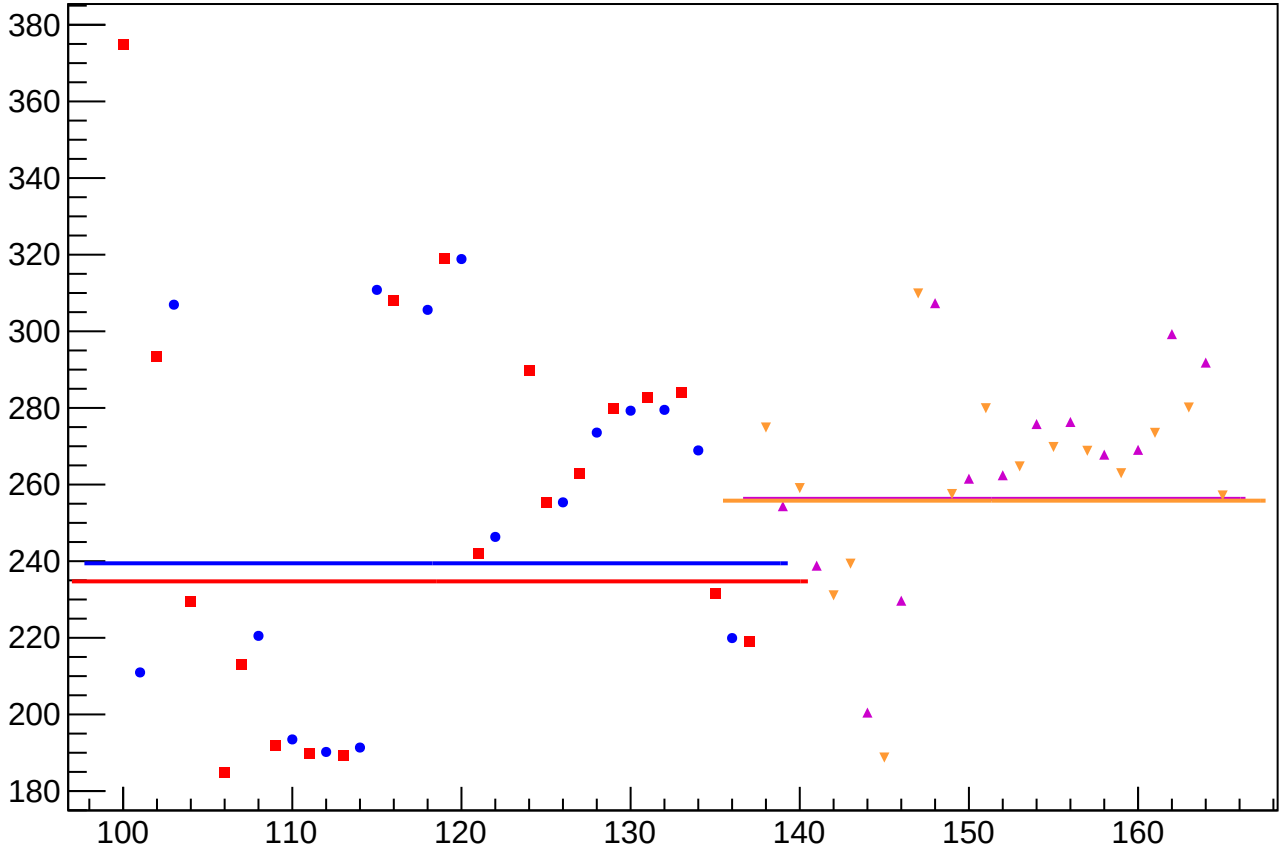
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 163.468+/-59.172 χ^2/NDF:34.6/28

Out: 249.041+/-57.102 χ^2/NDF:23.5/33

All: 207.777+/-41.089 χ^2/NDF: 59.2/62

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

Left: 256.024+/-0.038 χ^2/NDF: 615298.7/27

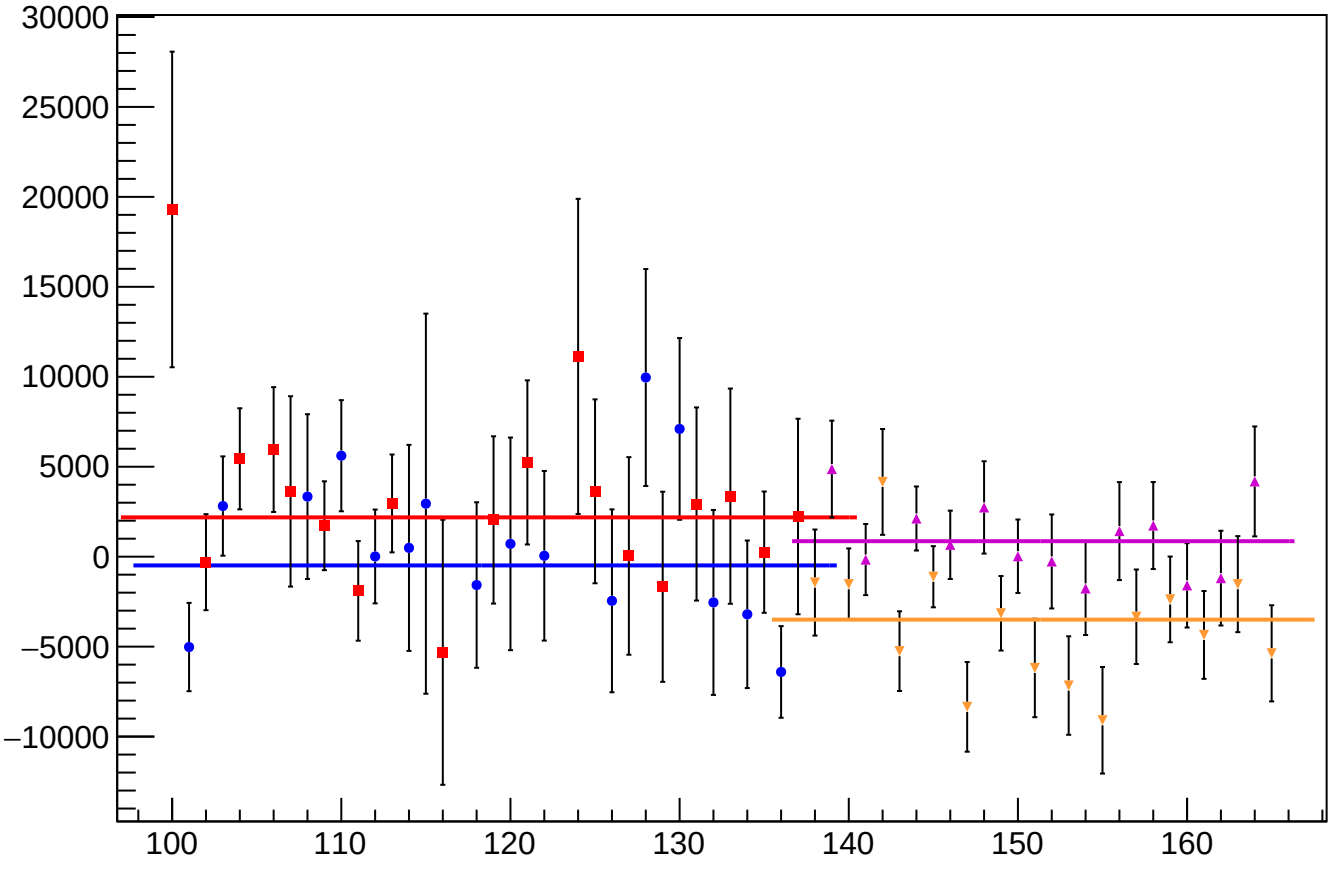
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.097+/-0.042 χ^2/NDF:733381.0/28

Out: 246.913+/-0.040 χ^2/NDF:873981.0/33

All: 247.966+/-0.029 χ^2/NDF: 1608772.9/62

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3498.708+/-622.695 χ^2/NDF:22.4/14

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 861.003+/-643.654 χ^2/NDF:8.0/12

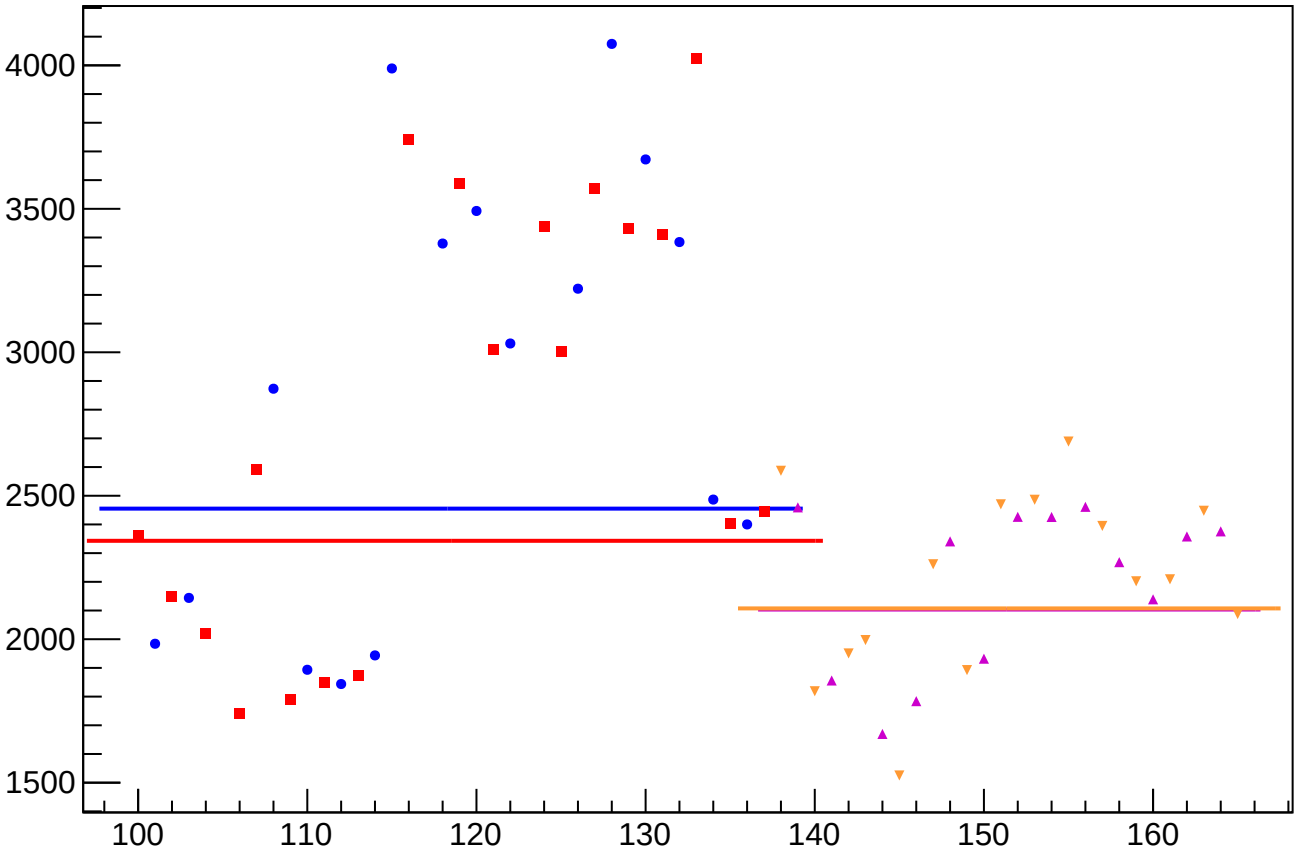
Left: -1390.989+/-447.538 χ^2/NDF: 54.0/27

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 435.622+/-532.418 χ^2/NDF:30.5/28

Out: -1647.280+/-511.311 χ^2/NDF:62.8/33

All: -647.933+/-368.788 χ^2/NDF: 101.2/62



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583407.0/14

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

Left: 2105.434+/-0.316 χ^2/NDF: 996809.7/27

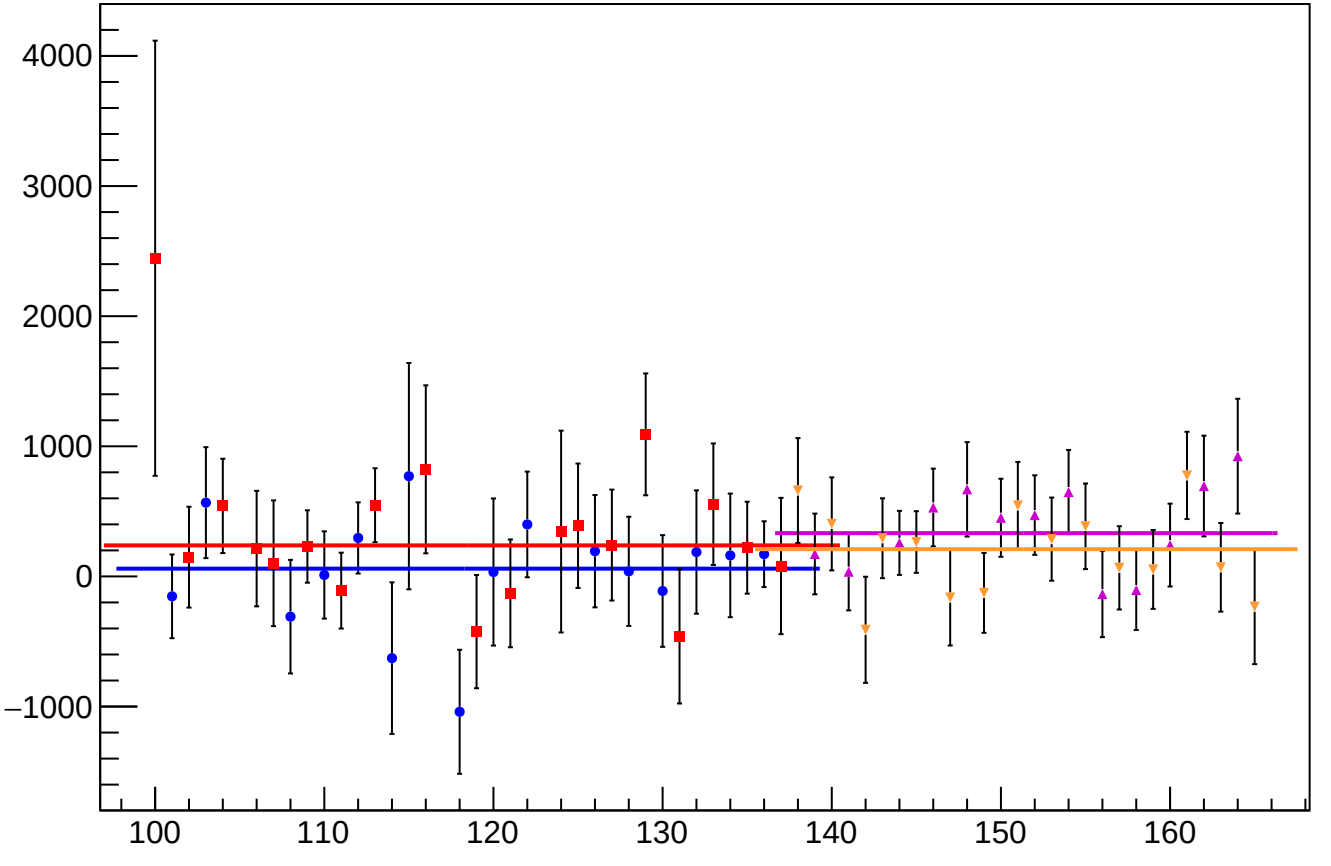
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2214.447+/-0.376 χ^2/NDF:1496339.3/28

Out: 2184.109+/-0.362 χ^2/NDF:1747052.0/33

All: 2198.665+/-0.261 χ^2/NDF: 3246769.5/62

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 209.343+/-85.200 χ^2/NDF:12.1/14

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 332.540+/-87.779 χ^2/NDF:10.7/12

Left: 269.105+/-61.137 χ^2/NDF: 23.8/27

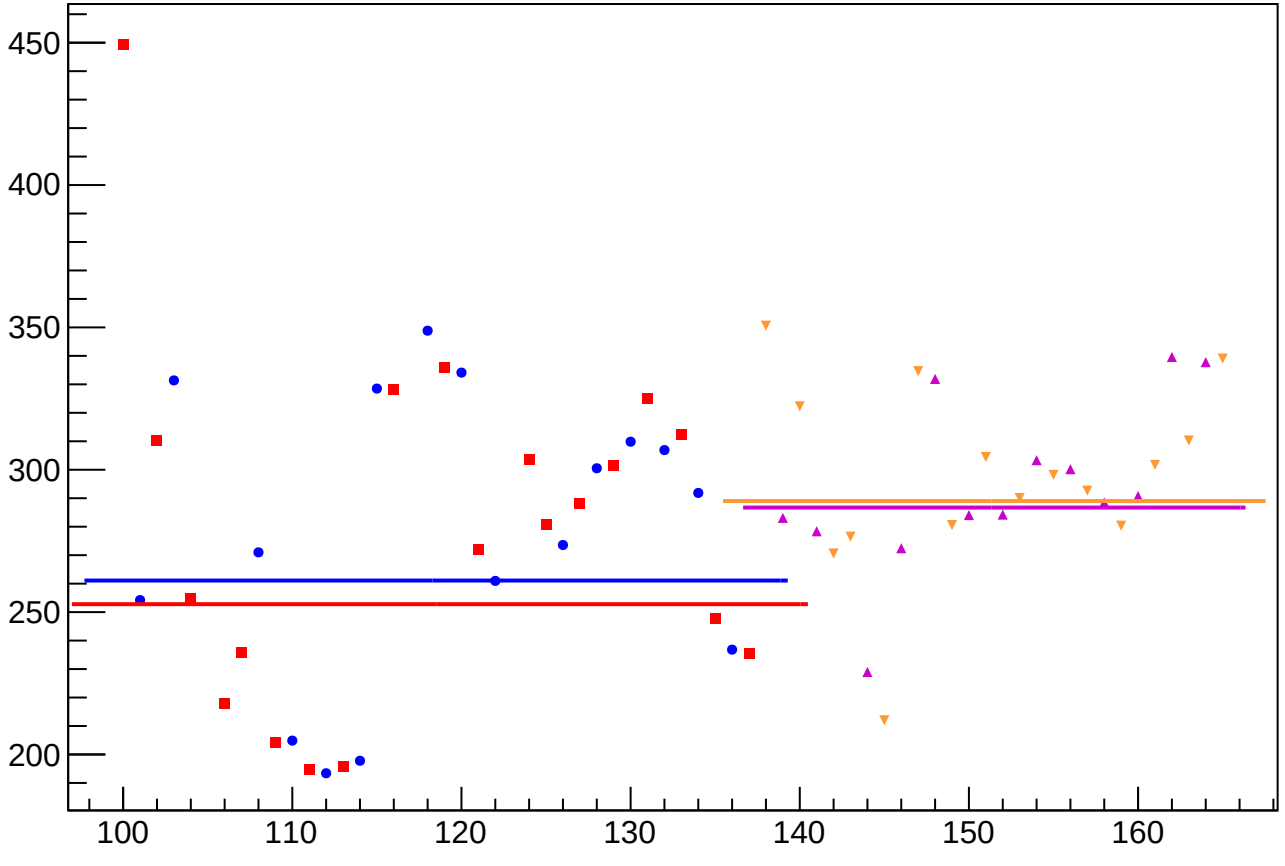
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 212.777+/-65.746 χ^2/NDF:27.0/28

Out: 222.338+/-63.447 χ^2/NDF:27.1/33

All: 217.727+/-45.655 χ^2/NDF: 54.0/62

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 289.011+/-0.060 χ^2/NDF:359077.5/14

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.716+/-0.062 χ^2/NDF:220969.4/12

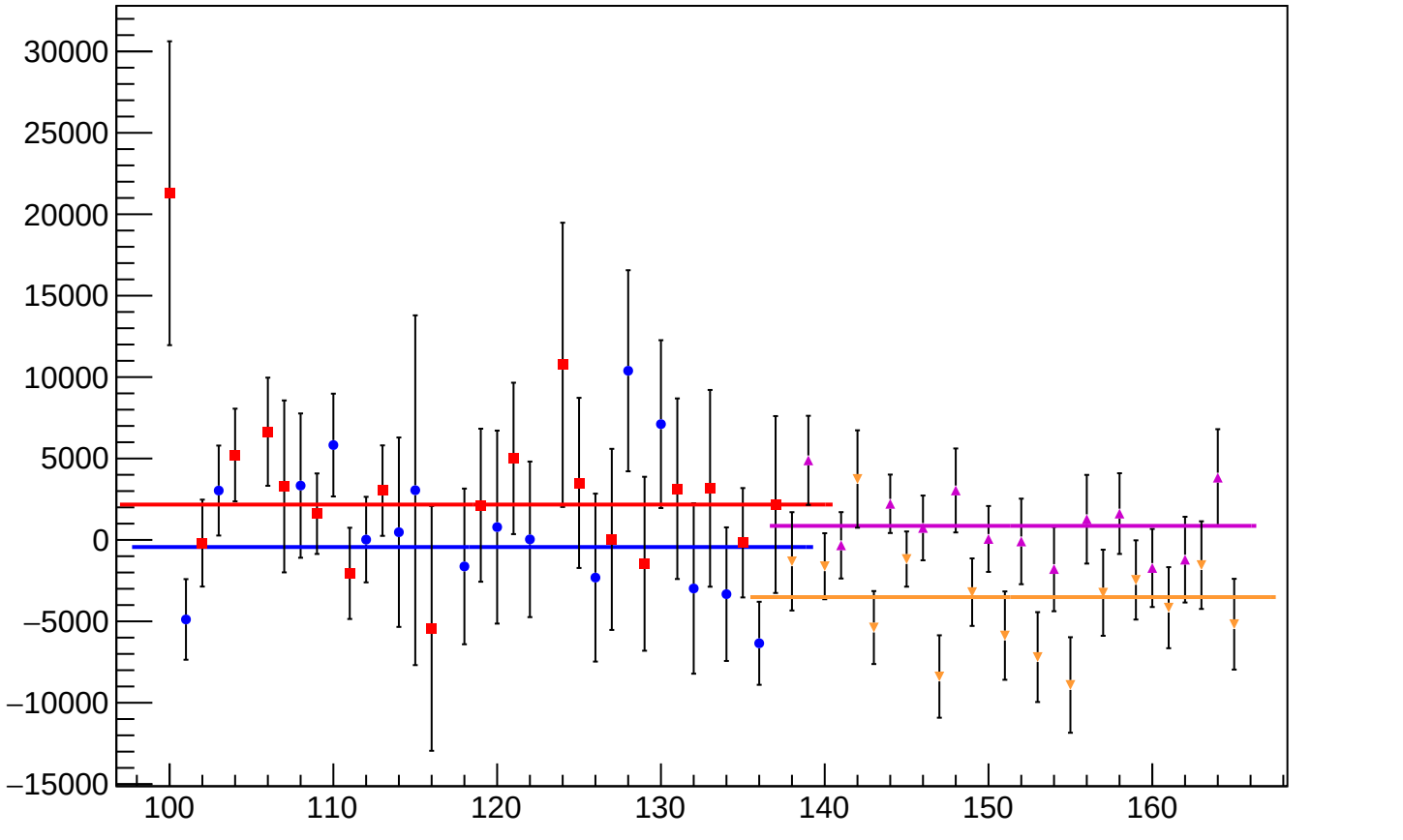
Left: 287.897+/-0.043 χ^2/NDF: 580751.1/27

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.466+/-0.046 χ^2/NDF:758465.5/28

Out: 272.875+/-0.045 χ^2/NDF:1057409.9/33

All: 274.124+/-0.032 χ^2/NDF: 1817483.4/62



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3511.378+/-629.386 χ^2/NDF:20.7/14

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 863.025+/-651.635 χ^2/NDF:8.0/12

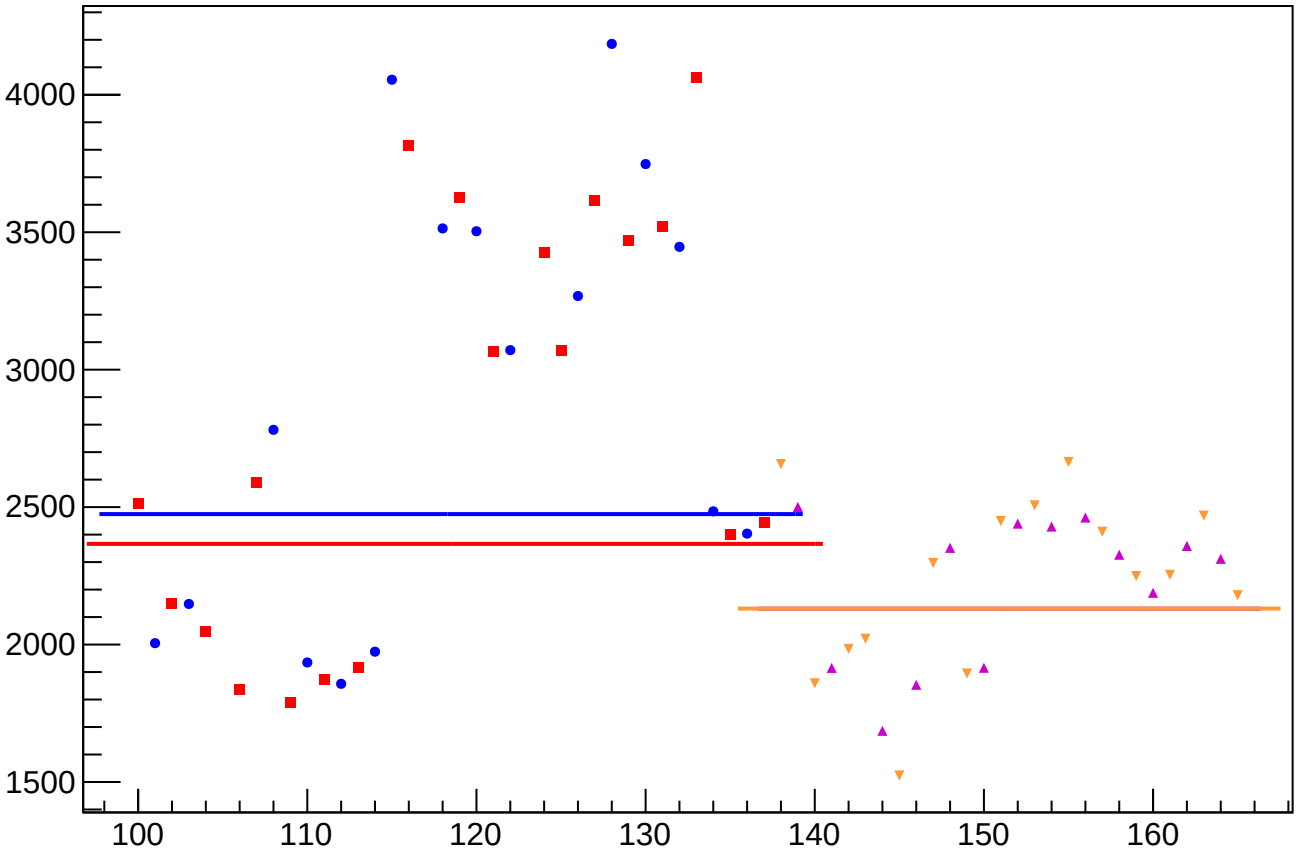
Left: -1400.130+/-452.704 χ^2/NDF: 52.0/27

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 450.197+/-538.292 χ^2/NDF:30.5/28

Out: -1647.831+/-515.985 χ^2/NDF:61.4/33

All: -643.187+/-372.493 χ^2/NDF: 99.8/62



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2130.976+/-0.445 χ^2/NDF:592053.0/14

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2130.480+/-0.461 χ^2/NDF:377701.3/12

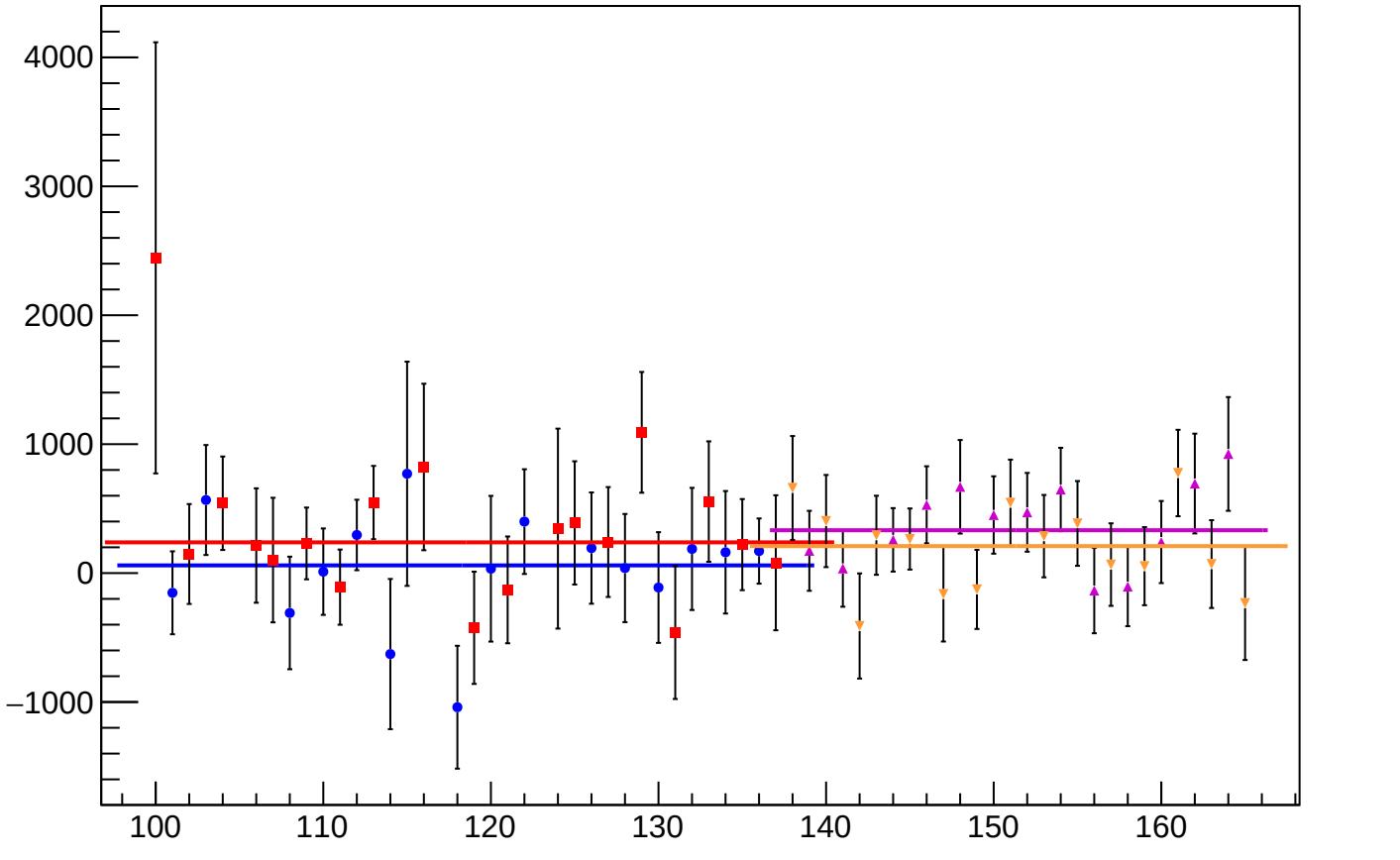
Left: 2130.737+/-0.320 χ^2/NDF: 969754.8/27

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2239.786+/-0.381 χ^2/NDF:1471127.5/28

Out: 2208.110+/-0.365 χ^2/NDF:1760842.8/33

All: 2223.278+/-0.263 χ^2/NDF: 3235579.5/62



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 209.346+/-85.200 χ^2/NDF:12.1/14

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 332.541+/-87.779 χ^2/NDF:10.7/12

Left: 269.108+/-61.137 χ^2/NDF: 23.8/27

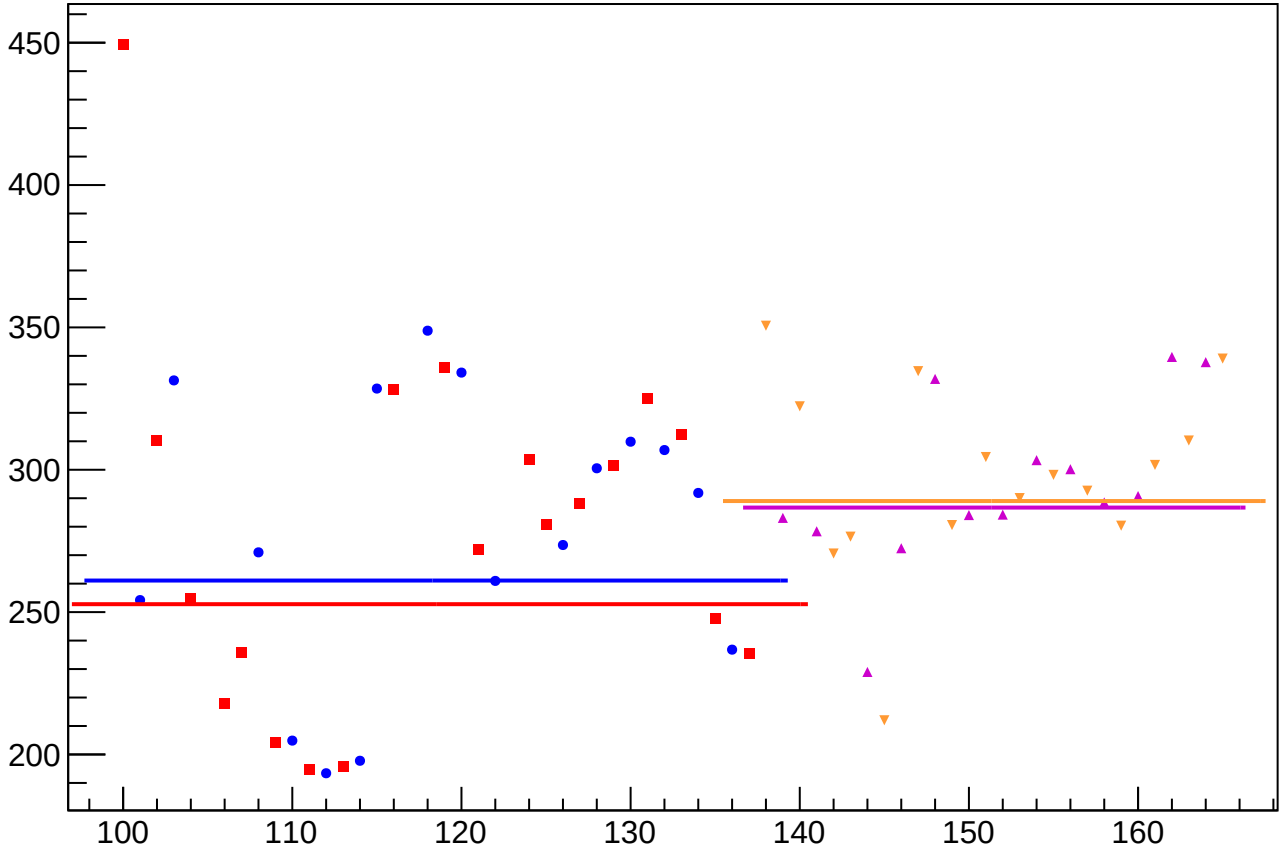
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 212.779+/-65.746 χ^2/NDF:27.0/28

Out: 222.340+/-63.447 χ^2/NDF:27.1/33

All: 217.730+/-45.655 χ^2/NDF: 54.0/62

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 289.011+/-0.060 χ^2/NDF:359074.1/14

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.716+/-0.062 χ^2/NDF:220967.6/12

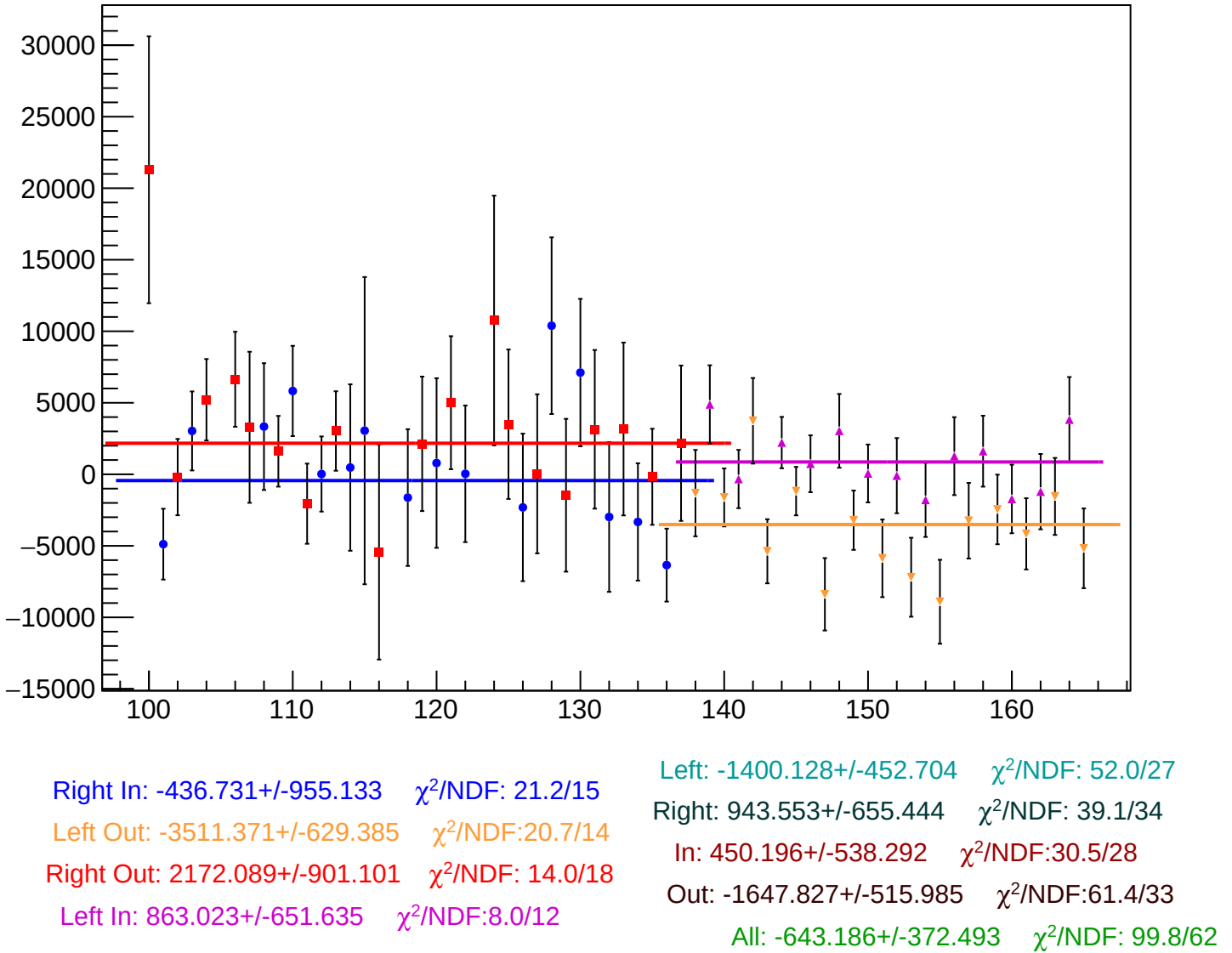
Left: 287.898+/-0.043 χ^2/NDF: 580745.8/27

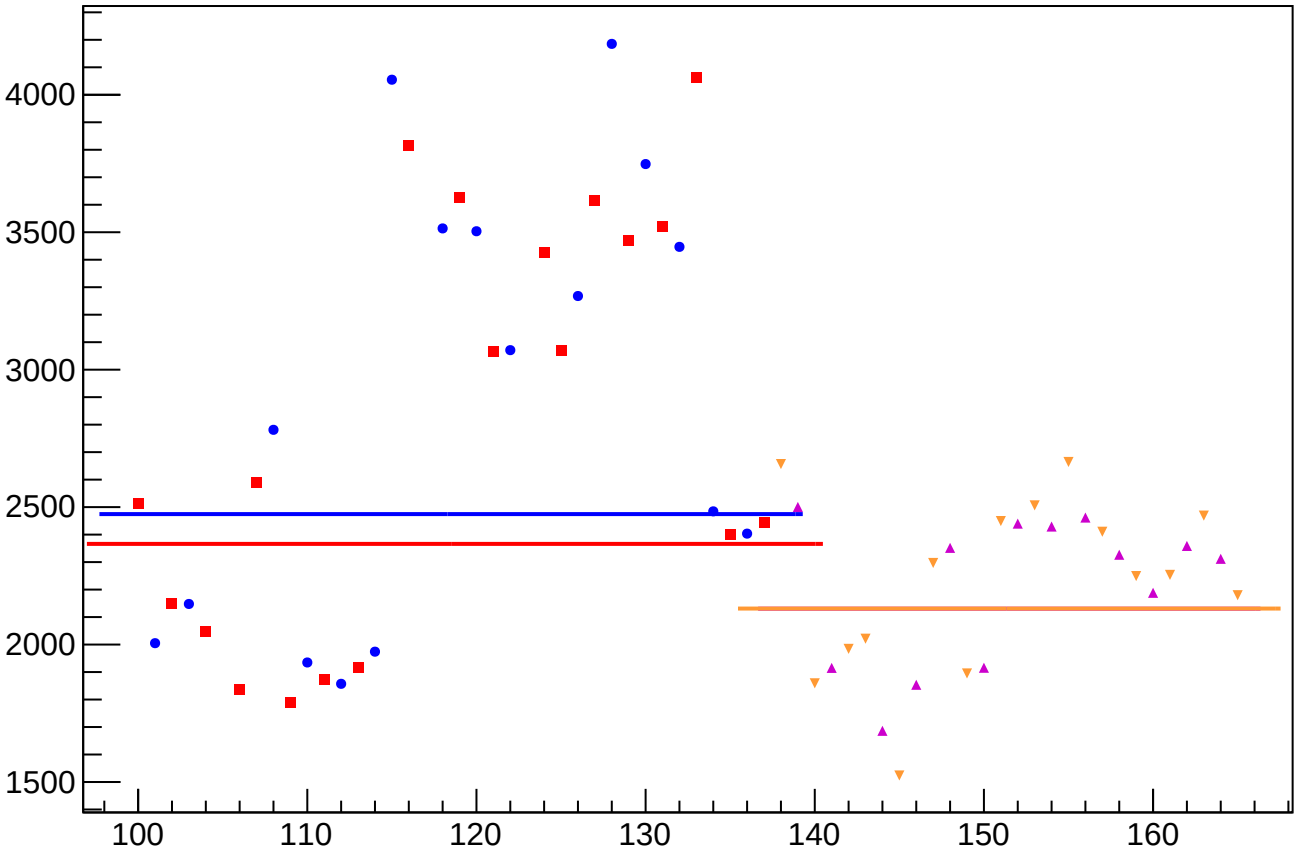
Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.466+/-0.046 χ^2/NDF:758468.9/28

Out: 272.875+/-0.045 χ^2/NDF:1057414.5/33

All: 274.124+/-0.032 χ^2/NDF: 1817491.4/62


asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -436.731+/-955.133 χ²/NDF: 21.2/15
Left Out: -3511.371+/-629.385 χ²/NDF:20.7/14
Right Out: 2172.089+/-901.101 χ²/NDF: 14.0/18
Left In: 863.023+/-651.635 χ²/NDF:8.0/12
Left: -1400.128+/-452.704 χ²/NDF: 52.0/27
Right: 943.553+/-655.444 χ²/NDF: 39.1/34
In: 450.196+/-538.292 χ²/NDF:30.5/28
Out: -1647.827+/-515.985 χ²/NDF:61.4/33
All: -643.186+/-372.493 χ²/NDF: 99.8/62



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2130.974+/-0.445 χ^2/NDF:592056.1/14

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2130.479+/-0.461 χ^2/NDF:377699.5/12

Left: 2130.735+/-0.320 χ^2/NDF: 969756.2/27

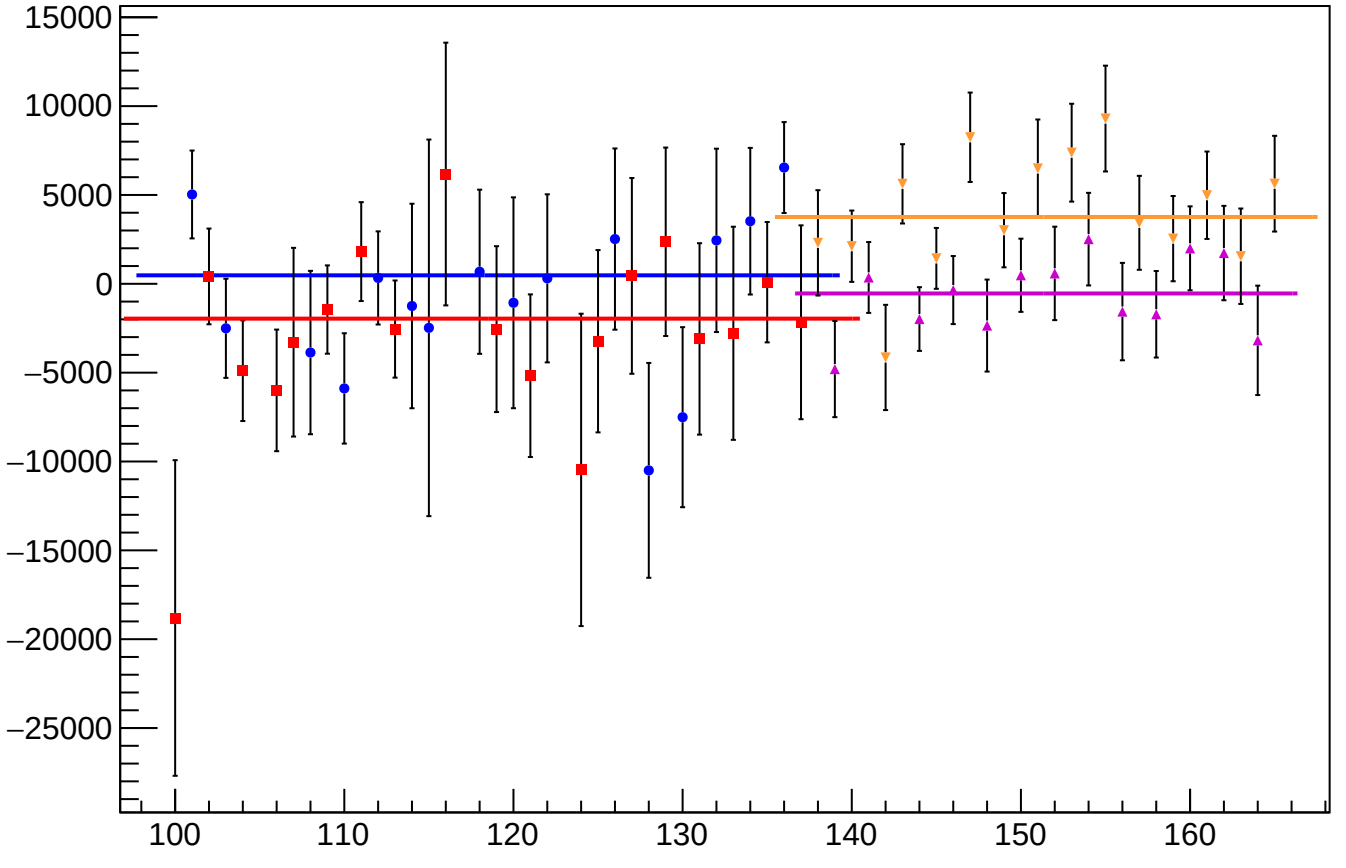
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2239.785+/-0.381 χ^2/NDF:1471128.8/28

Out: 2208.108+/-0.365 χ^2/NDF:1760848.8/33

All: 2223.277+/-0.263 χ^2/NDF: 3235586.9/62

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3761.153+/-627.469 χ^2/NDF:21.7/14

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -543.231+/-648.583 χ^2/NDF:8.6/12

Left: 1680.163+/-450.967 χ^2/NDF: 53.1/27

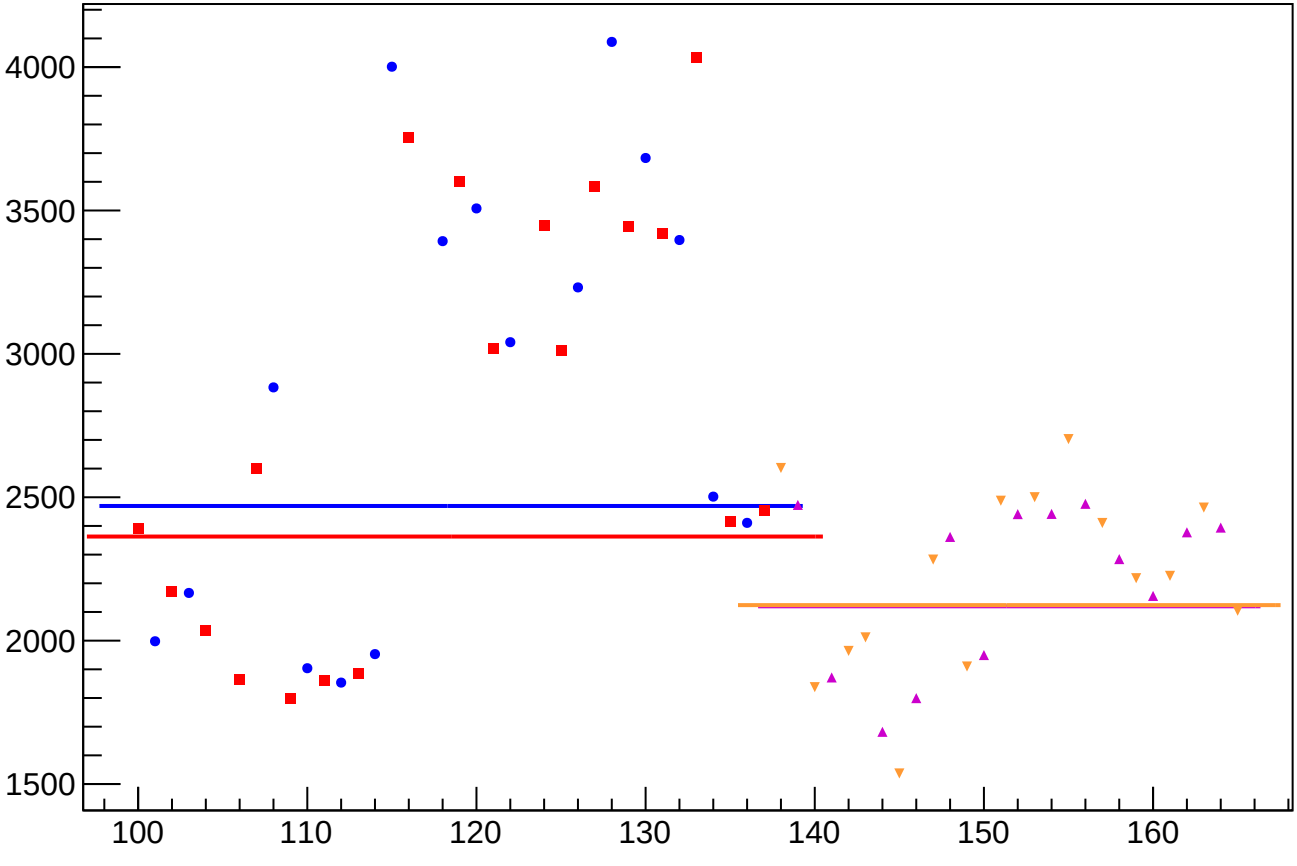
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -220.067+/-536.144 χ^2/NDF:31.5/28

Out: 1889.184+/-514.666 χ^2/NDF:61.8/33

All: 877.653+/-371.285 χ^2/NDF: 101.4/62

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2123.898+/-0.444 χ^2/NDF:577487.3/14

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2119.731+/-0.459 χ^2/NDF:410225.8/12

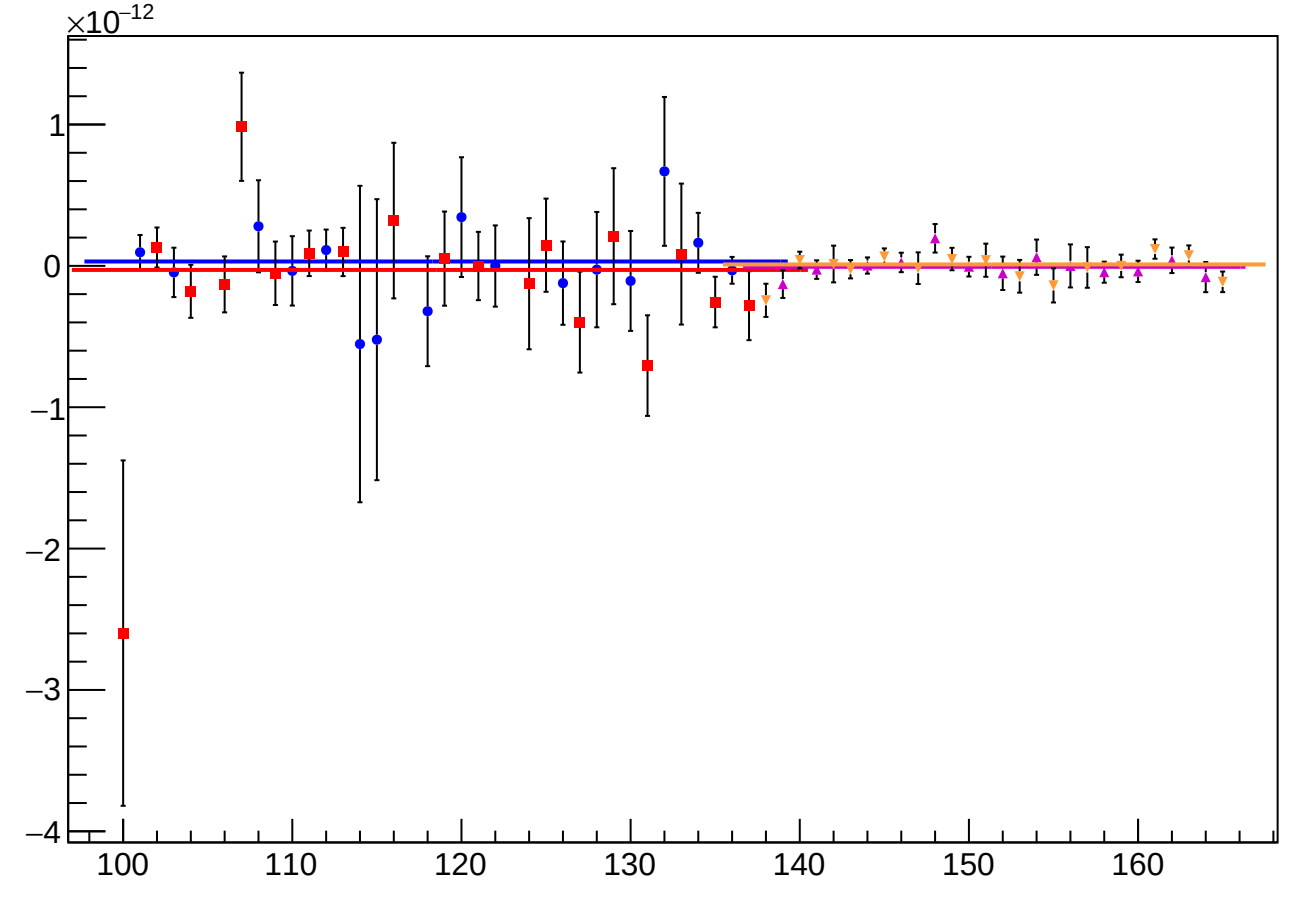
Left: 2121.883+/-0.319 χ^2/NDF: 987755.7/27

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2230.535+/-0.379 χ^2/NDF:1480740.7/28

Out: 2202.156+/-0.364 χ^2/NDF:1715904.7/33

All: 2215.766+/-0.263 χ^2/NDF: 3199561.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/12

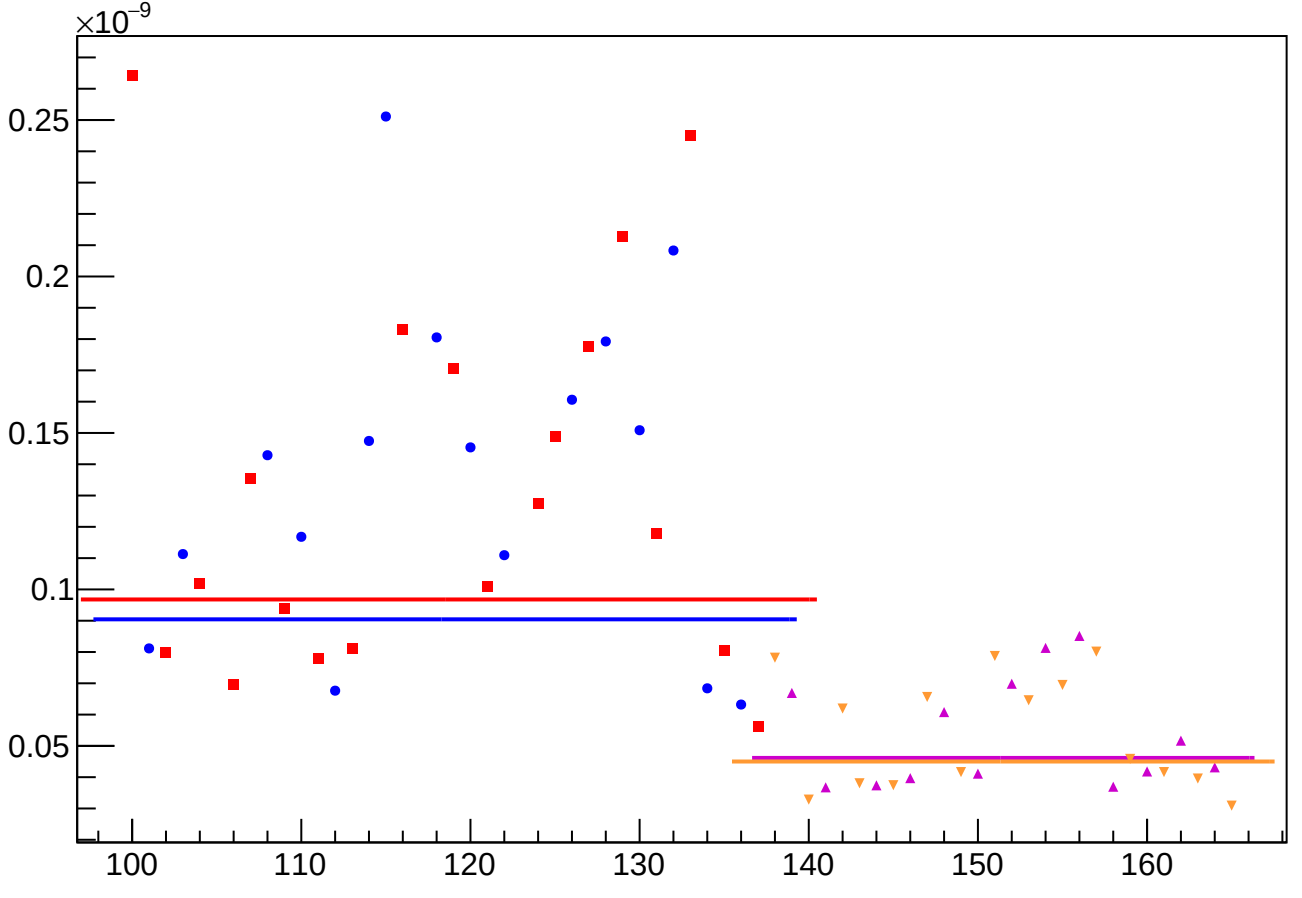
Left: 0.000+/-0.000 χ^2/NDF: 22.6/27

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: -0.000+/-0.000 χ^2/NDF:14.1/28

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 52.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925039.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:663572.7/12

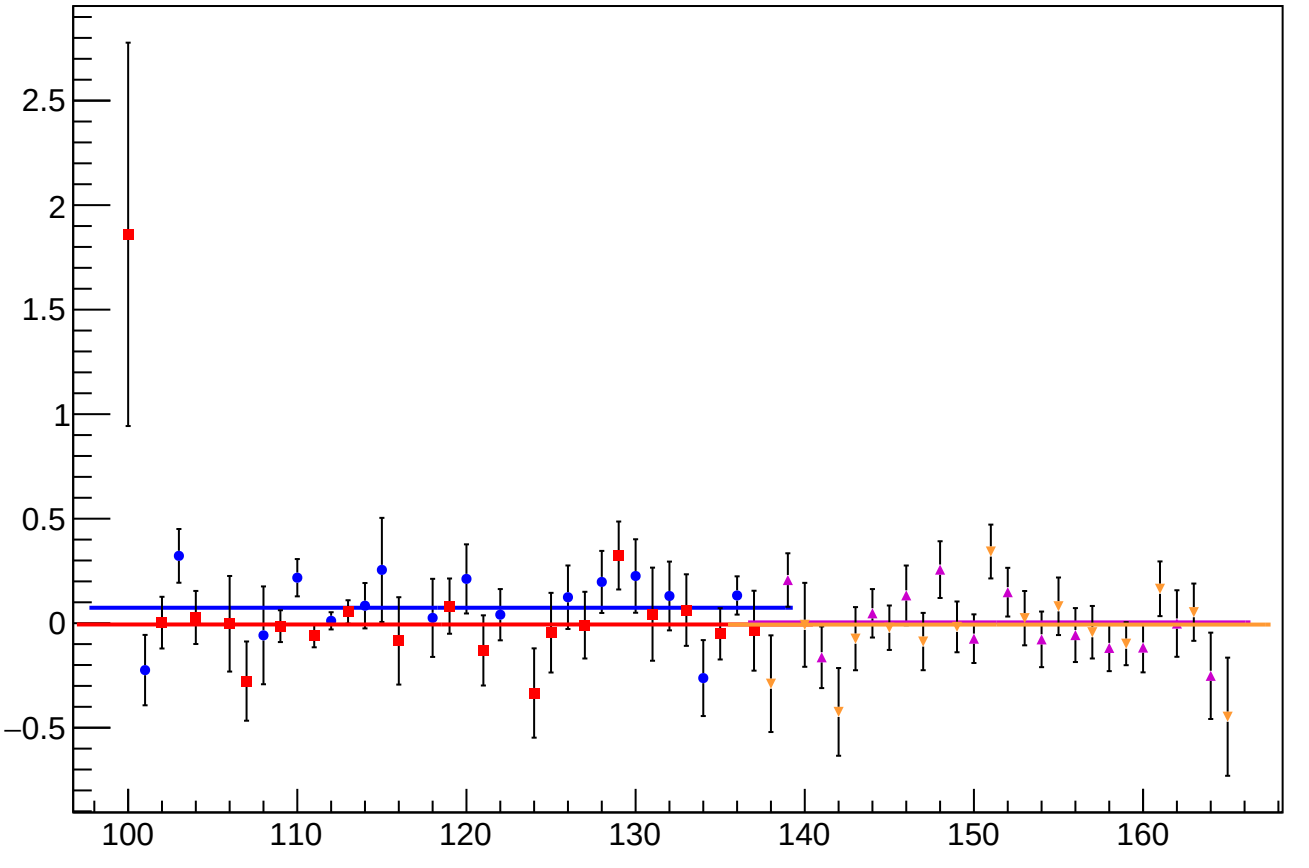
Left: 0.000+/-0.000 χ^2/NDF: 1591299.9/27

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2782788.8/28

Out: 0.000+/-0.000 χ^2/NDF:3275701.6/33

All: 0.000+/-0.000 χ^2/NDF: 6065694.2/62



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

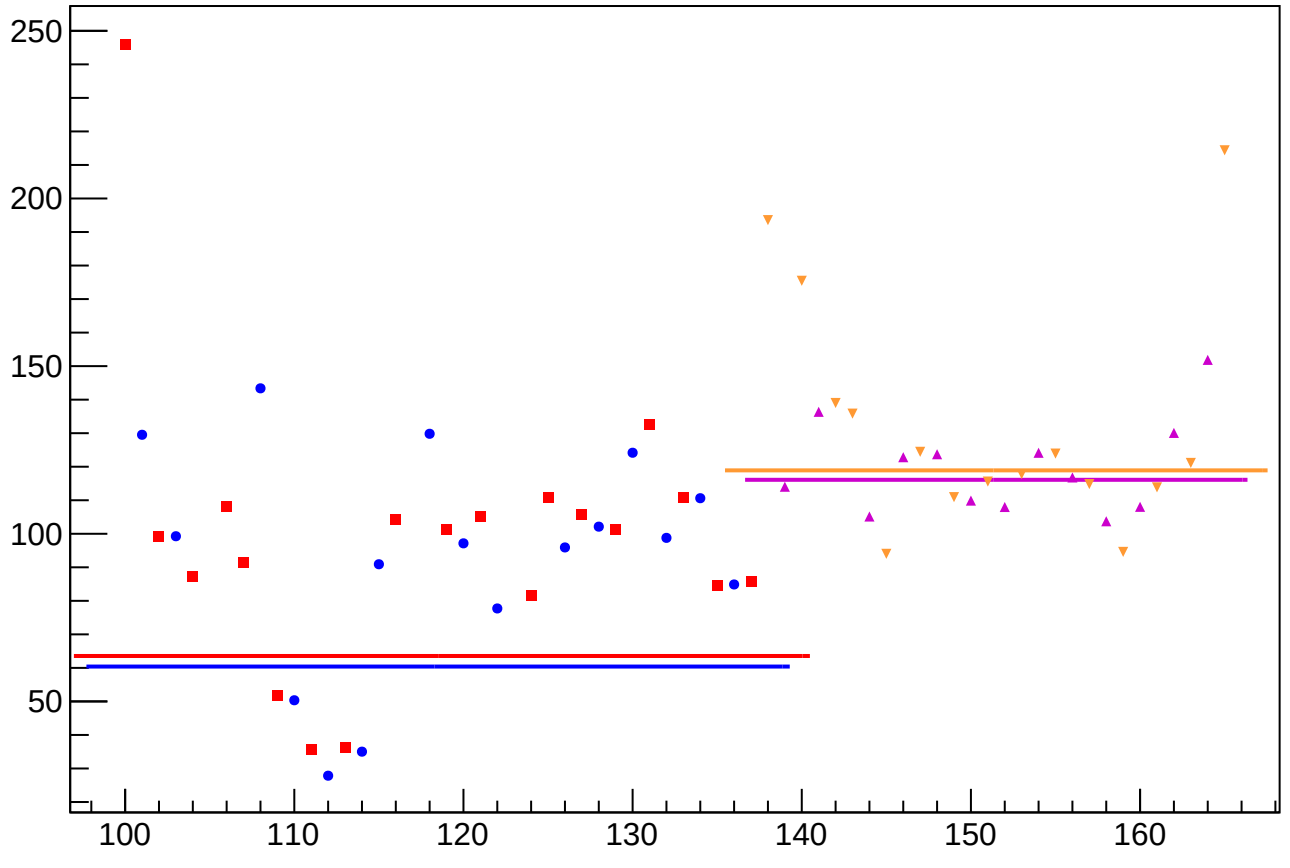
Left: -0.001+/-0.026 χ^2/NDF: 33.7/27

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.021+/-0.015 χ^2/NDF: 74.7/62



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.912+/-0.025 χ^2/NDF:881800.1/14

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

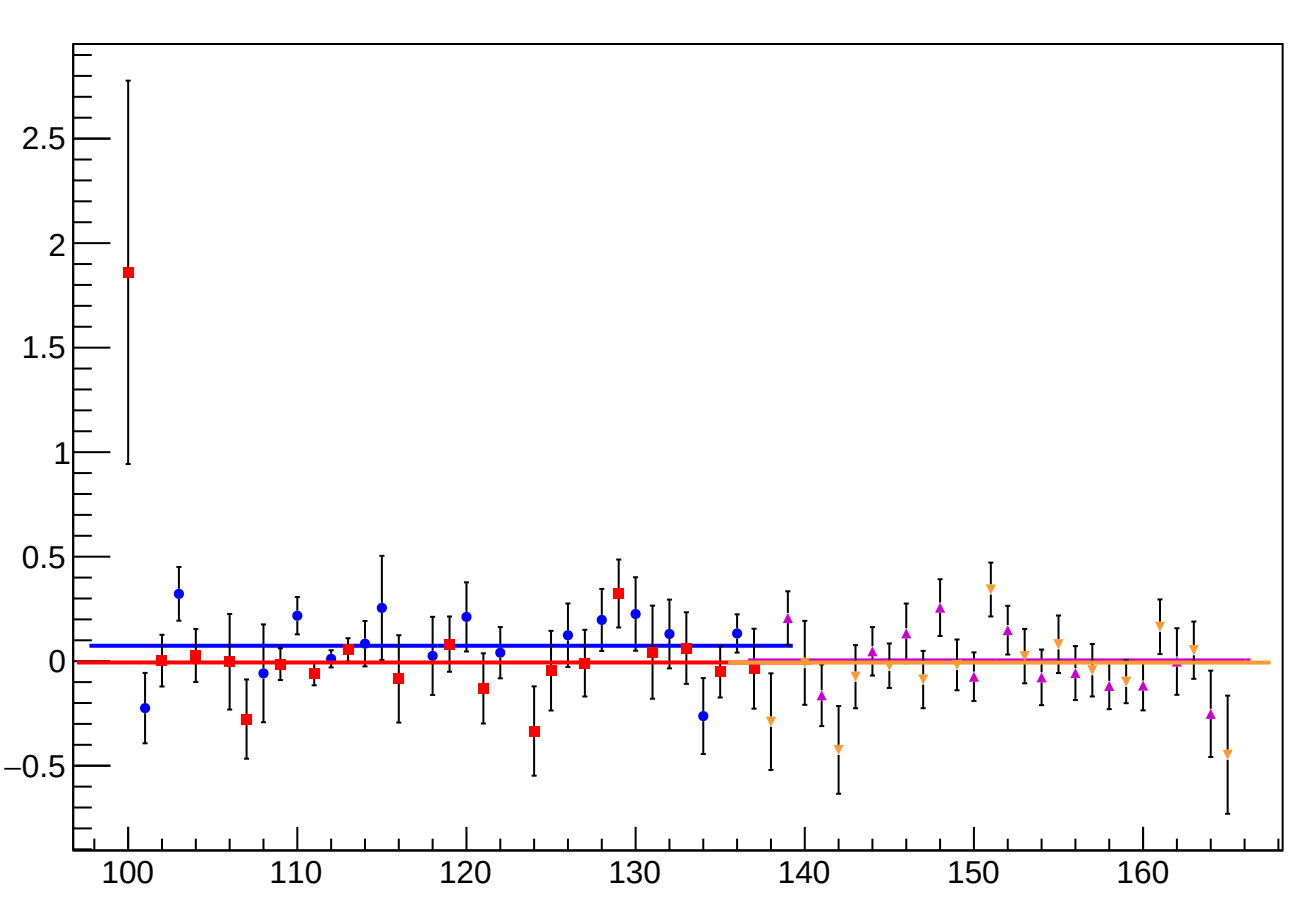
Left: 117.514+/-0.018 χ^2/NDF: 1087044.9/27

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.331+/-0.015 χ^2/NDF:6779915.3/28

Out: 83.362+/-0.015 χ^2/NDF:6582906.9/33

All: 81.856+/-0.011 χ^2/NDF: 13382552.7/62



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

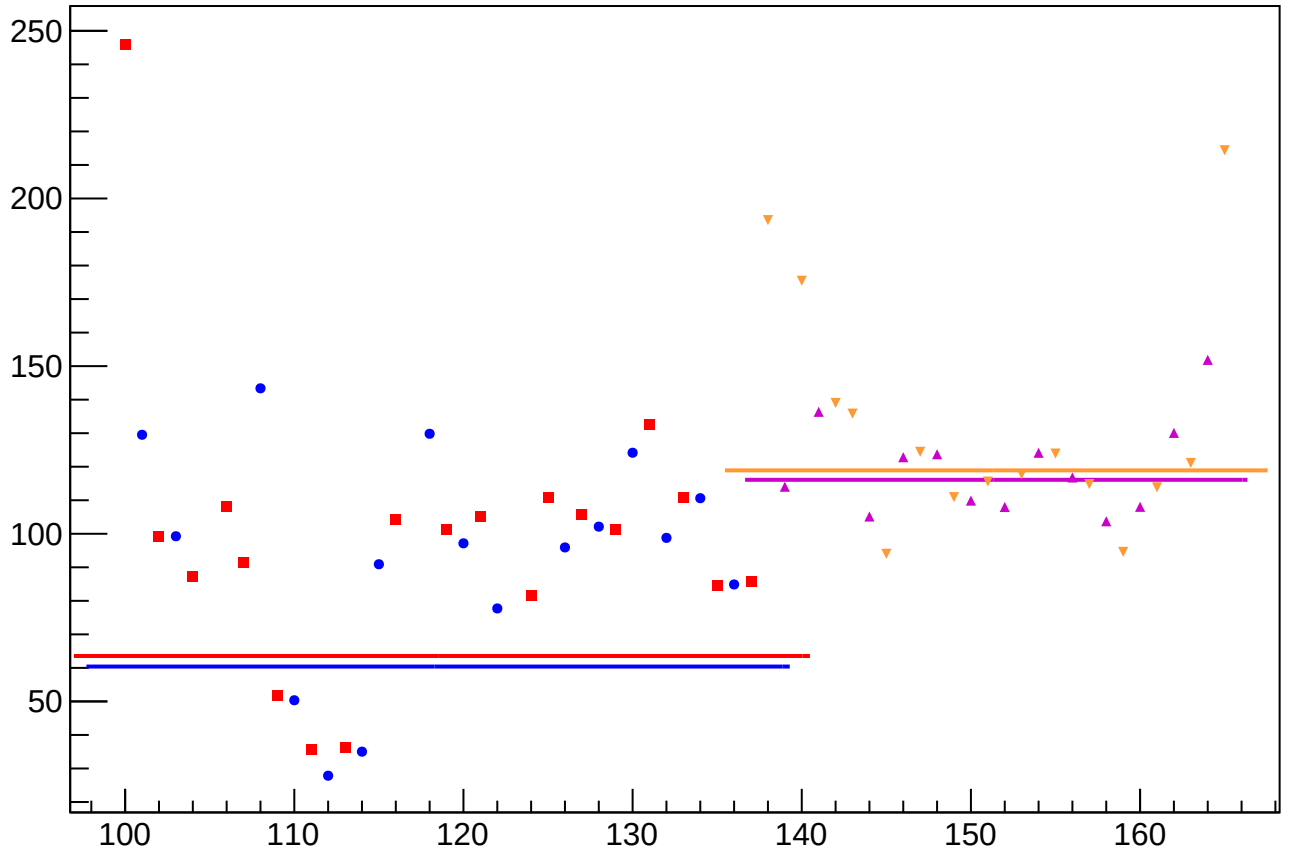
Left: -0.001+/-0.026 χ^2/NDF: 33.7/27

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.021+/-0.015 χ^2/NDF: 74.7/62



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.912+/-0.025 χ^2/NDF:881800.1/14

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

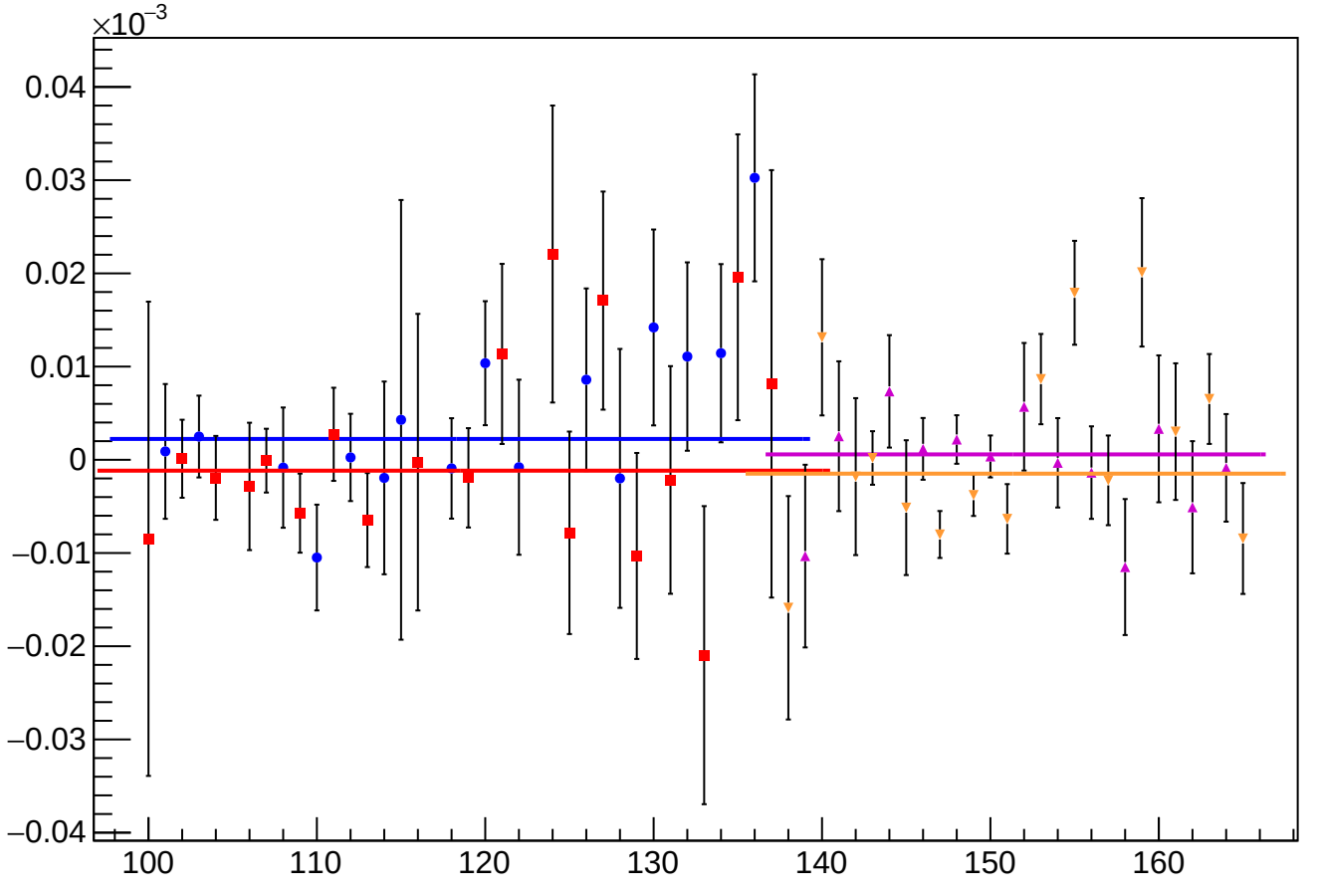
Left: 117.514+/-0.018 χ^2/NDF: 1087044.9/27

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.331+/-0.015 χ^2/NDF:6779915.3/28

Out: 83.362+/-0.015 χ^2/NDF:6582906.9/33

All: 81.856+/-0.011 χ^2/NDF: 13382552.7/62



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

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/12

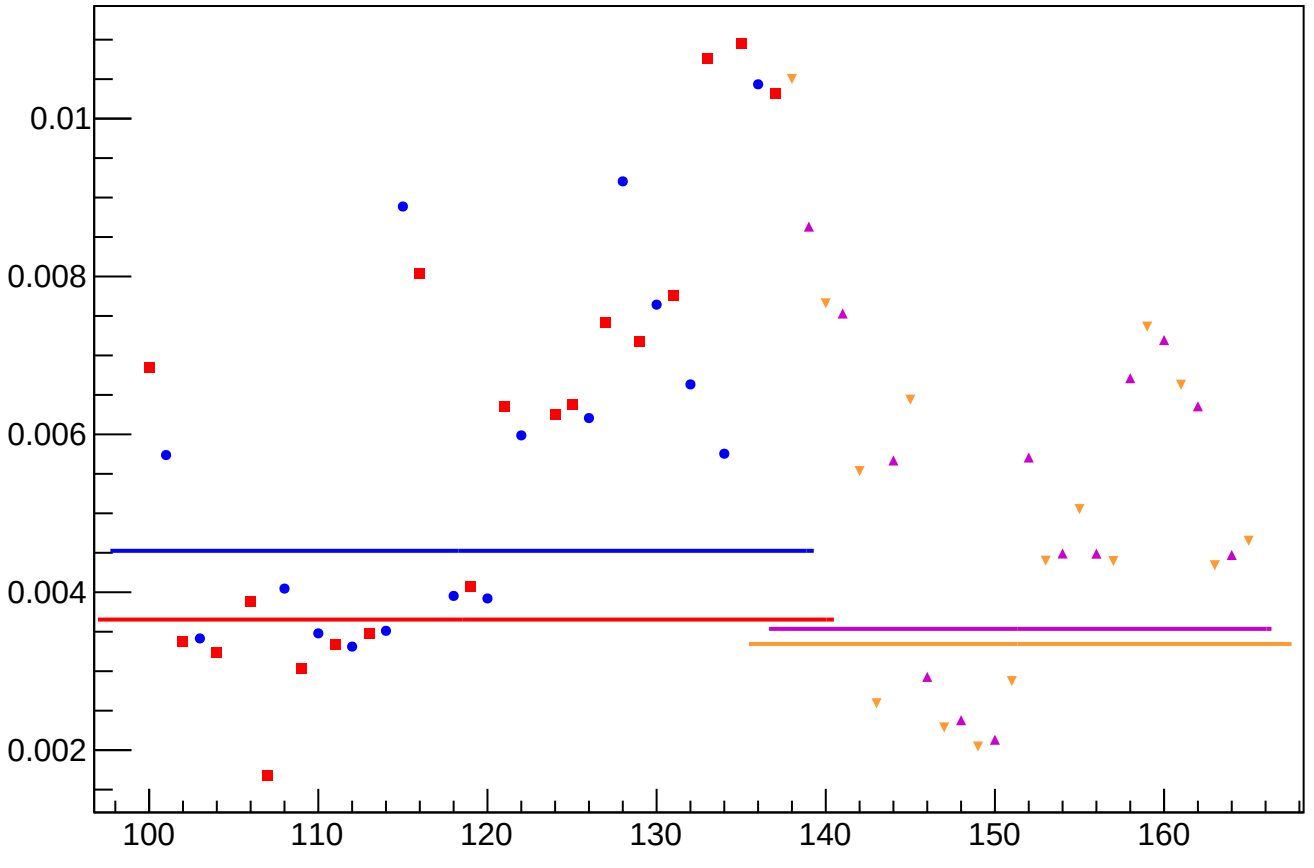
Left: -0.000+/-0.000 χ^2/NDF: 51.8/27

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:25.3/28

Out: -0.000+/-0.000 χ^2/NDF:57.1/33

All: -0.000+/-0.000 χ^2/NDF: 85.8/62



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4411258.5/14

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4058593.9/12

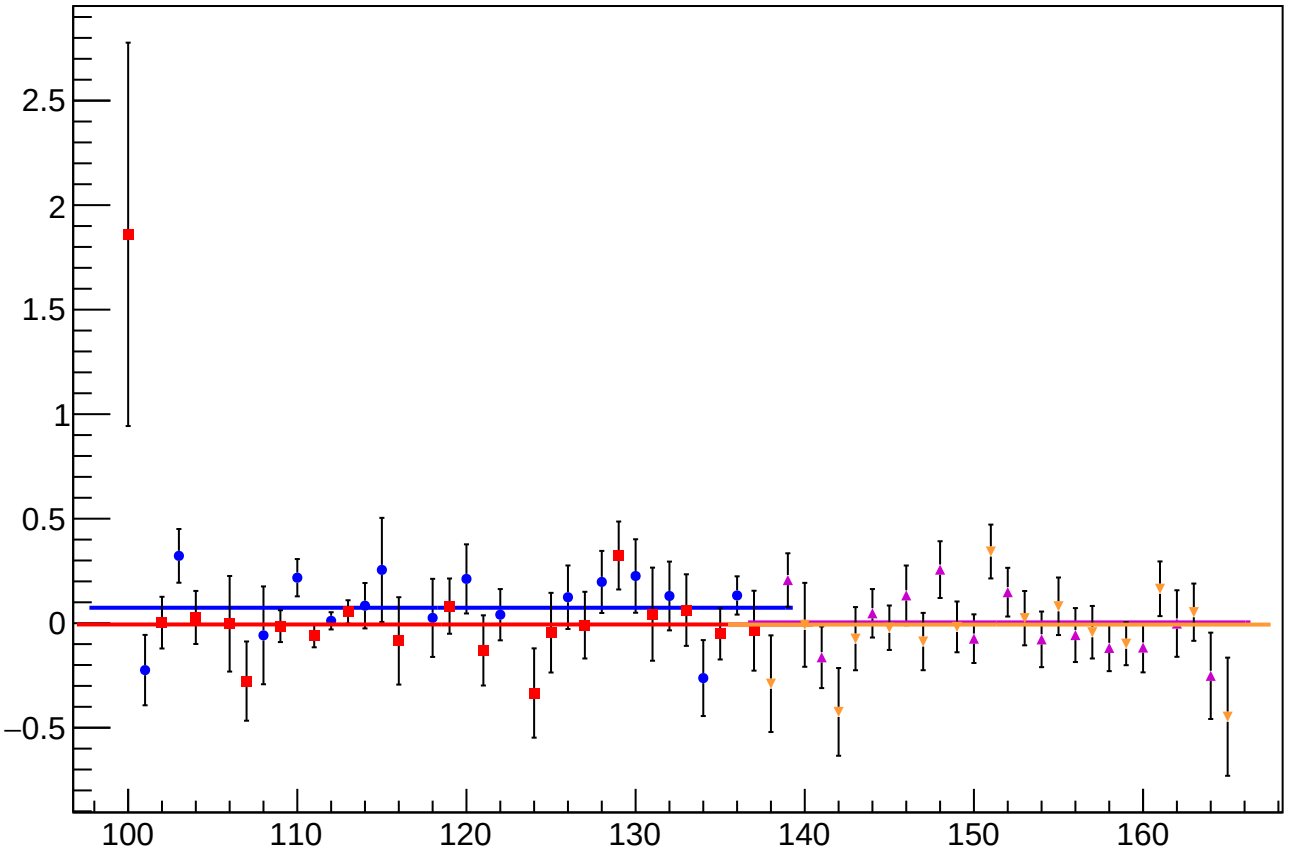
Left: 0.003+/-0.000 χ^2/NDF: 8497103.8/27

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:6191440.2/28

Out: 0.003+/-0.000 χ^2/NDF:7399762.6/33

All: 0.004+/-0.000 χ^2/NDF: 13759518.2/62



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

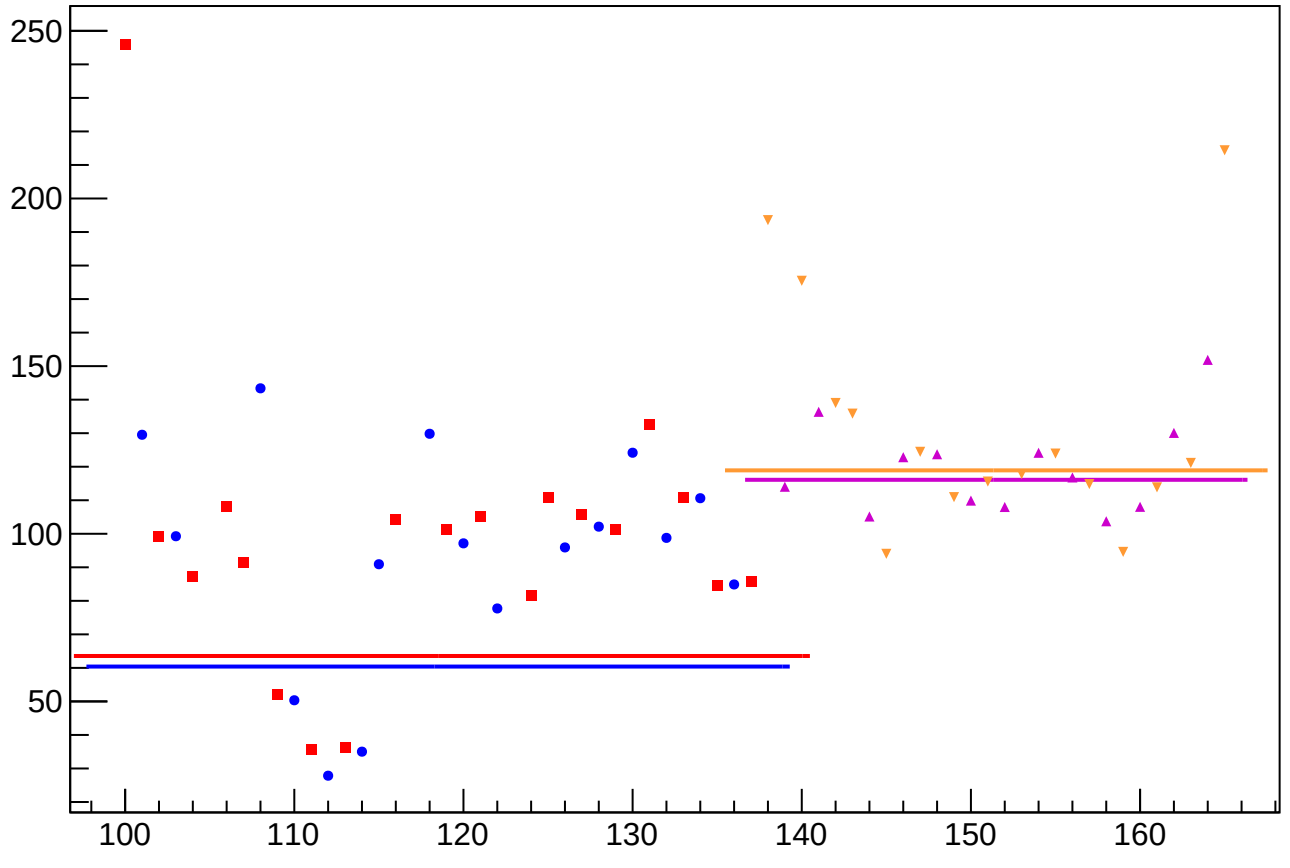
Left: -0.001+/-0.026 χ^2/NDF: 33.7/27

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.021+/-0.015 χ^2/NDF: 74.7/62



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.913+/-0.025 χ^2/NDF:881772.3/14

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

Left: 117.515+/-0.018 χ^2/NDF: 1087017.1/27

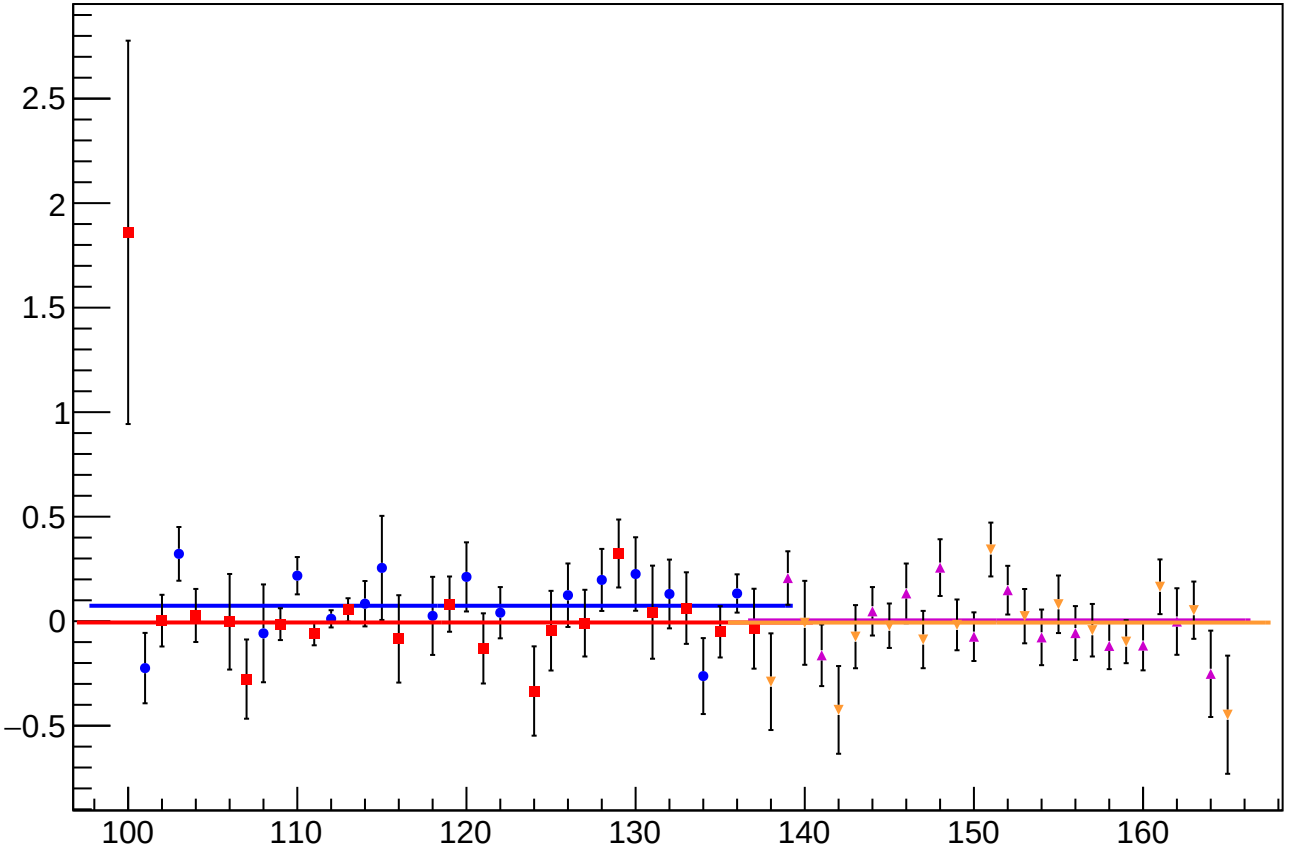
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.329+/-0.015 χ^2/NDF:6780548.9/28

Out: 83.360+/-0.015 χ^2/NDF:6583492.3/33

All: 81.855+/-0.011 χ^2/NDF: 13383776.2/62

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

Left: -0.001+/-0.026 χ^2/NDF: 33.7/27

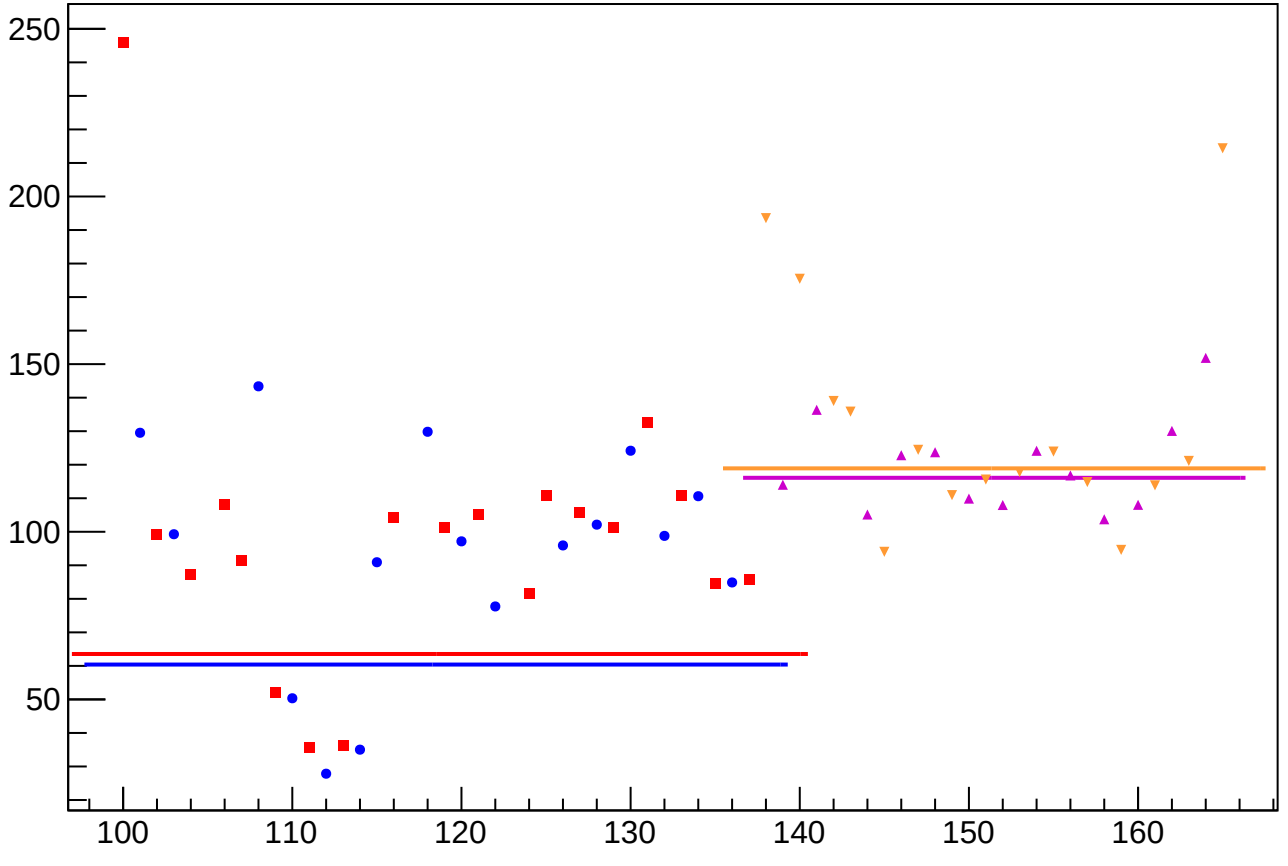
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.021+/-0.015 χ^2/NDF: 74.7/62

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.913+/-0.025 χ^2/NDF:881772.3/14

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

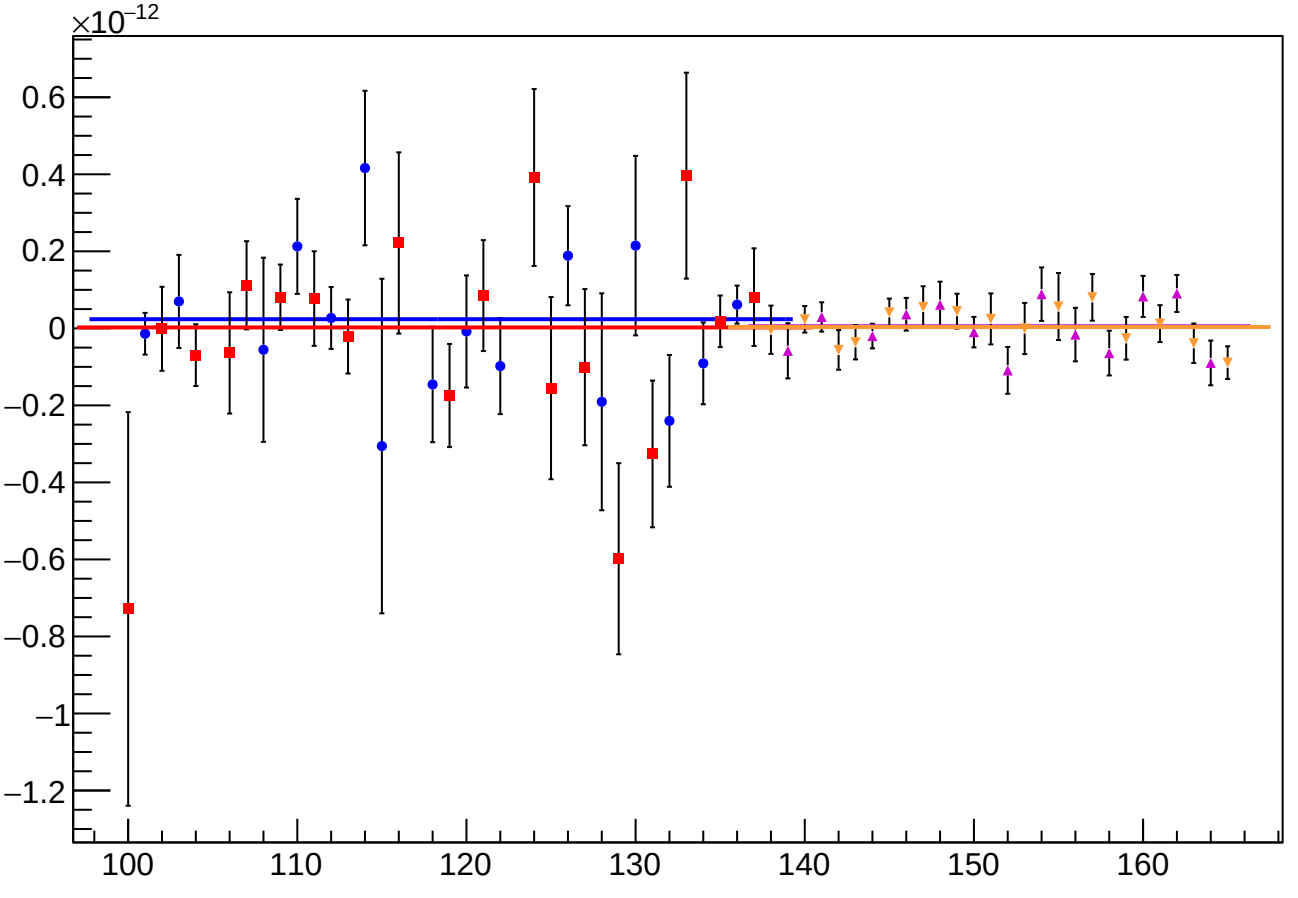
Left: 117.515+/-0.018 χ^2/NDF: 1087017.1/27

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.329+/-0.015 χ^2/NDF:6780548.9/28

Out: 83.360+/-0.015 χ^2/NDF:6583492.3/33

All: 81.855+/-0.011 χ^2/NDF: 13383776.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/12

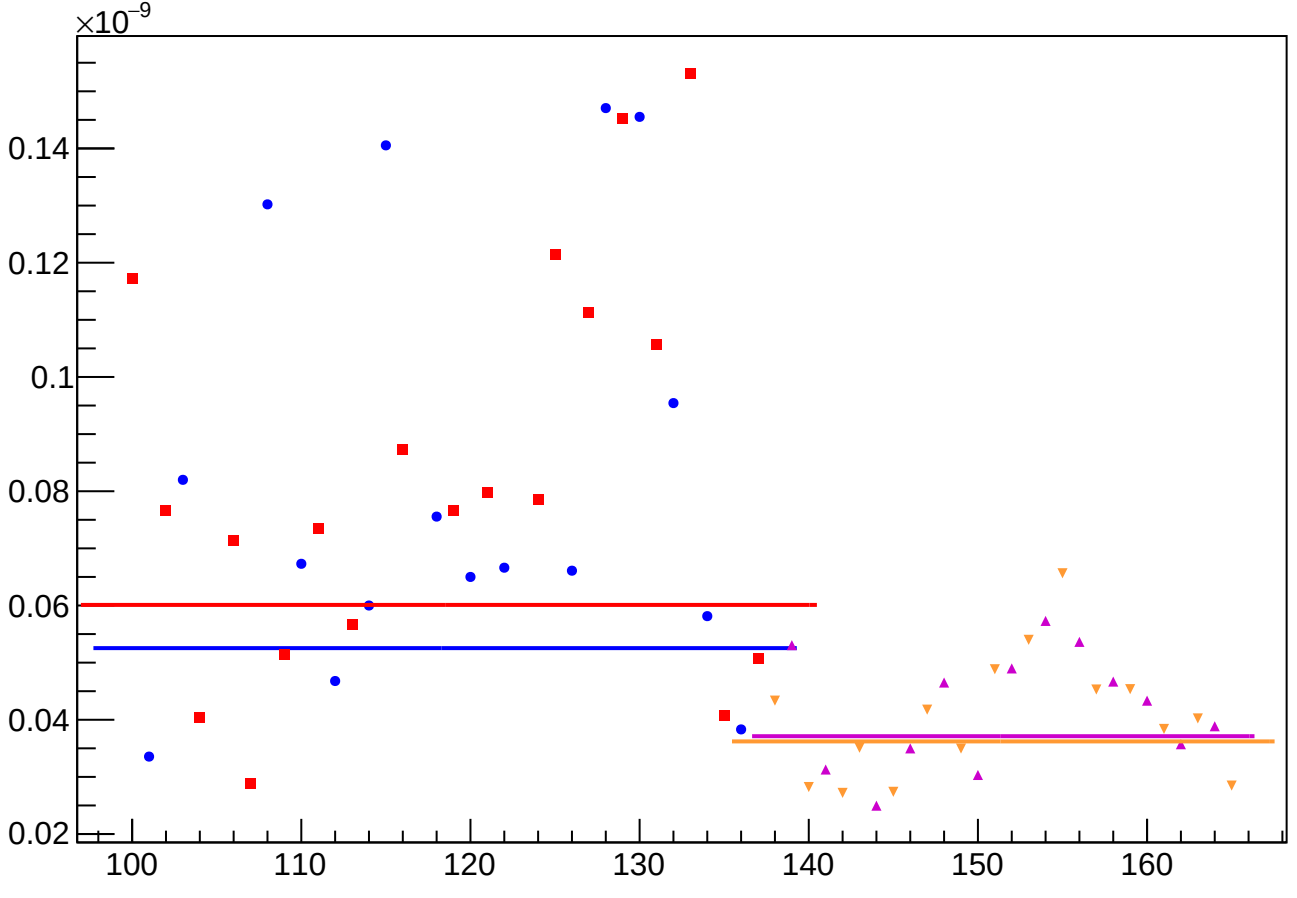
Left: 0.000+/-0.000 χ^2/NDF: 31.1/27

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.0/28

Out: 0.000+/-0.000 χ^2/NDF:36.4/33

All: 0.000+/-0.000 χ^2/NDF: 71.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:967560.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:992135.8/12

Left: 0.000+/-0.000 χ^2/NDF: 1964478.7/27

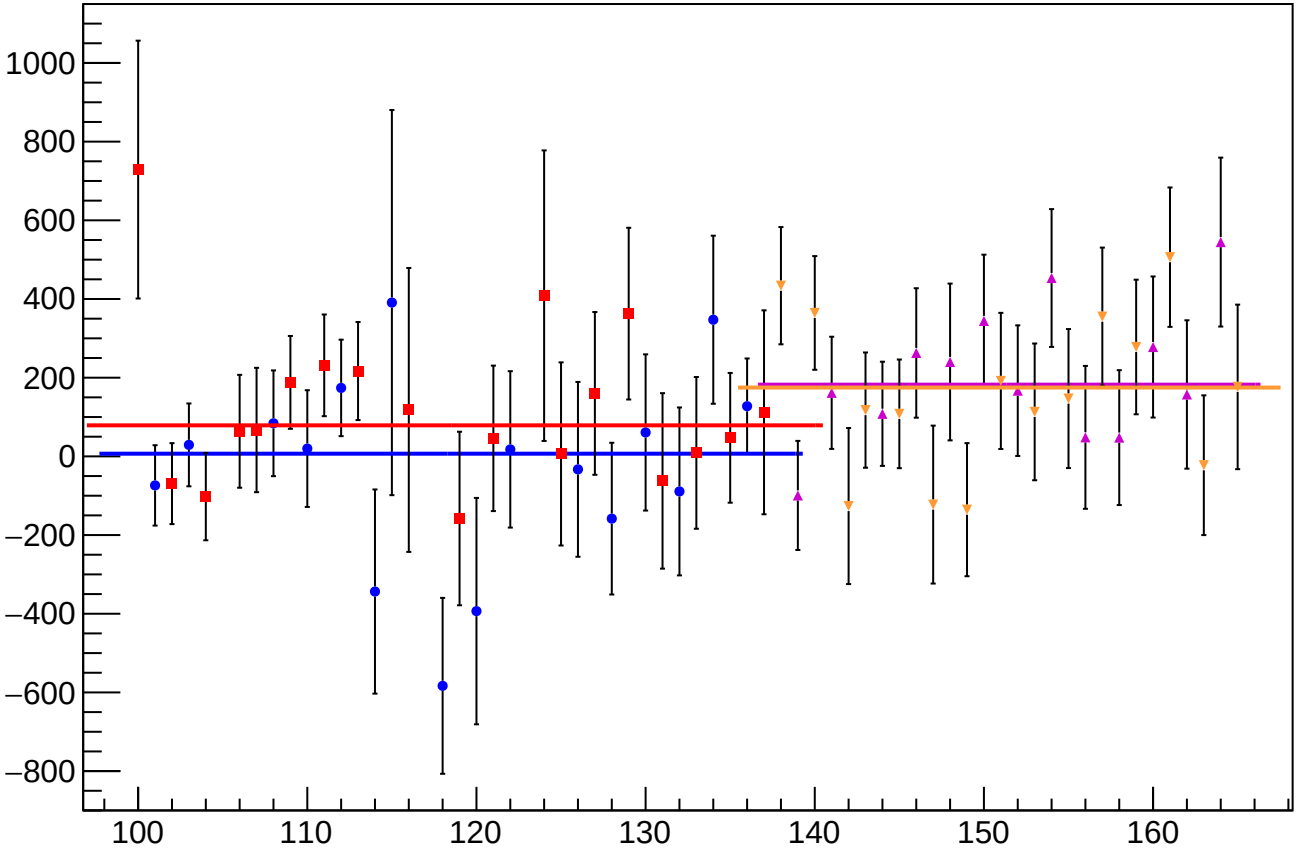
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3186835.1/28

Out: 0.000+/-0.000 χ^2/NDF:3652753.0/33

All: 0.000+/-0.000 χ^2/NDF: 6840171.6/62

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.932+/-43.485 χ^2/NDF:19.3/14

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 182.327+/-46.137 χ^2/NDF:12.4/12

Left: 178.411+/-31.644 χ^2/NDF: 31.8/27

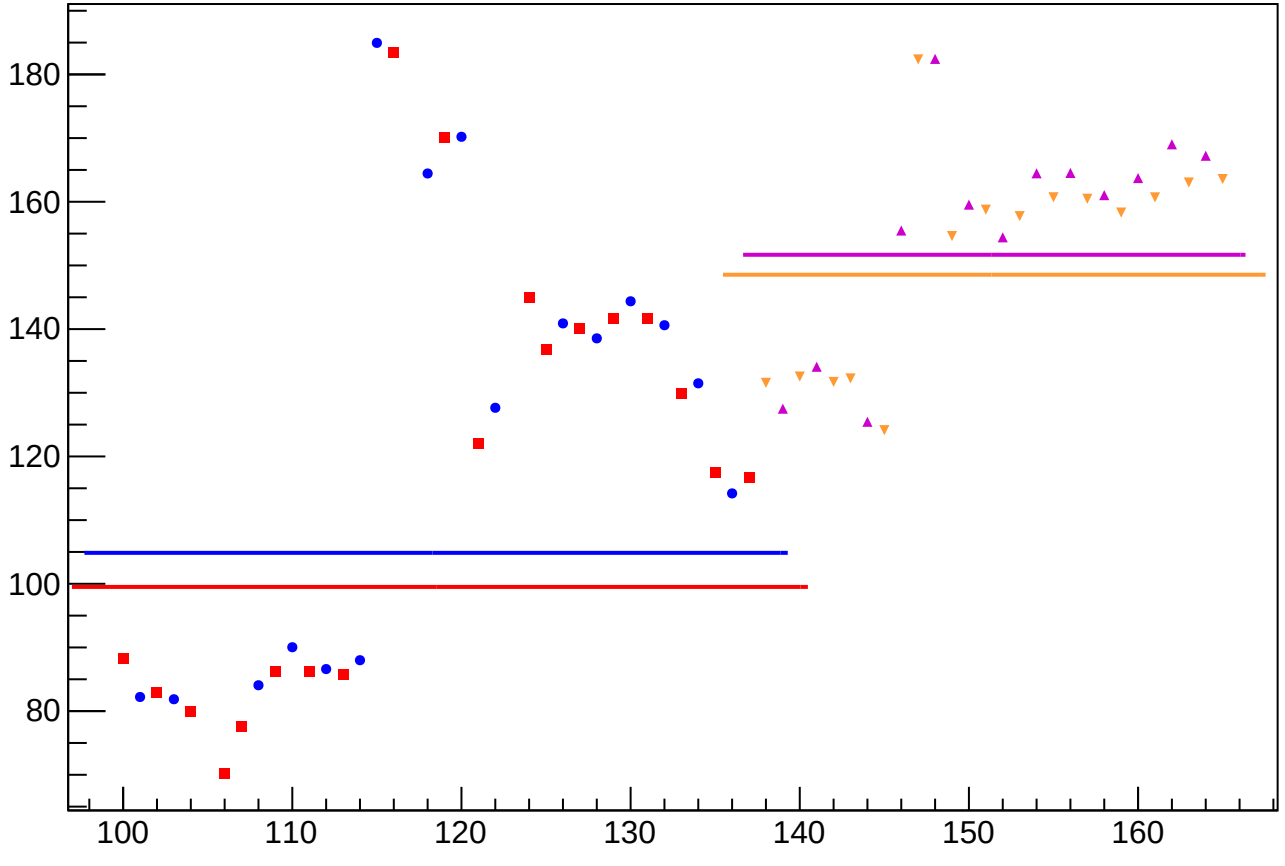
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 82.884+/-30.374 χ^2/NDF:39.4/28

Out: 120.355+/-28.574 χ^2/NDF:38.8/33

All: 102.763+/-20.812 χ^2/NDF: 79.0/62

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

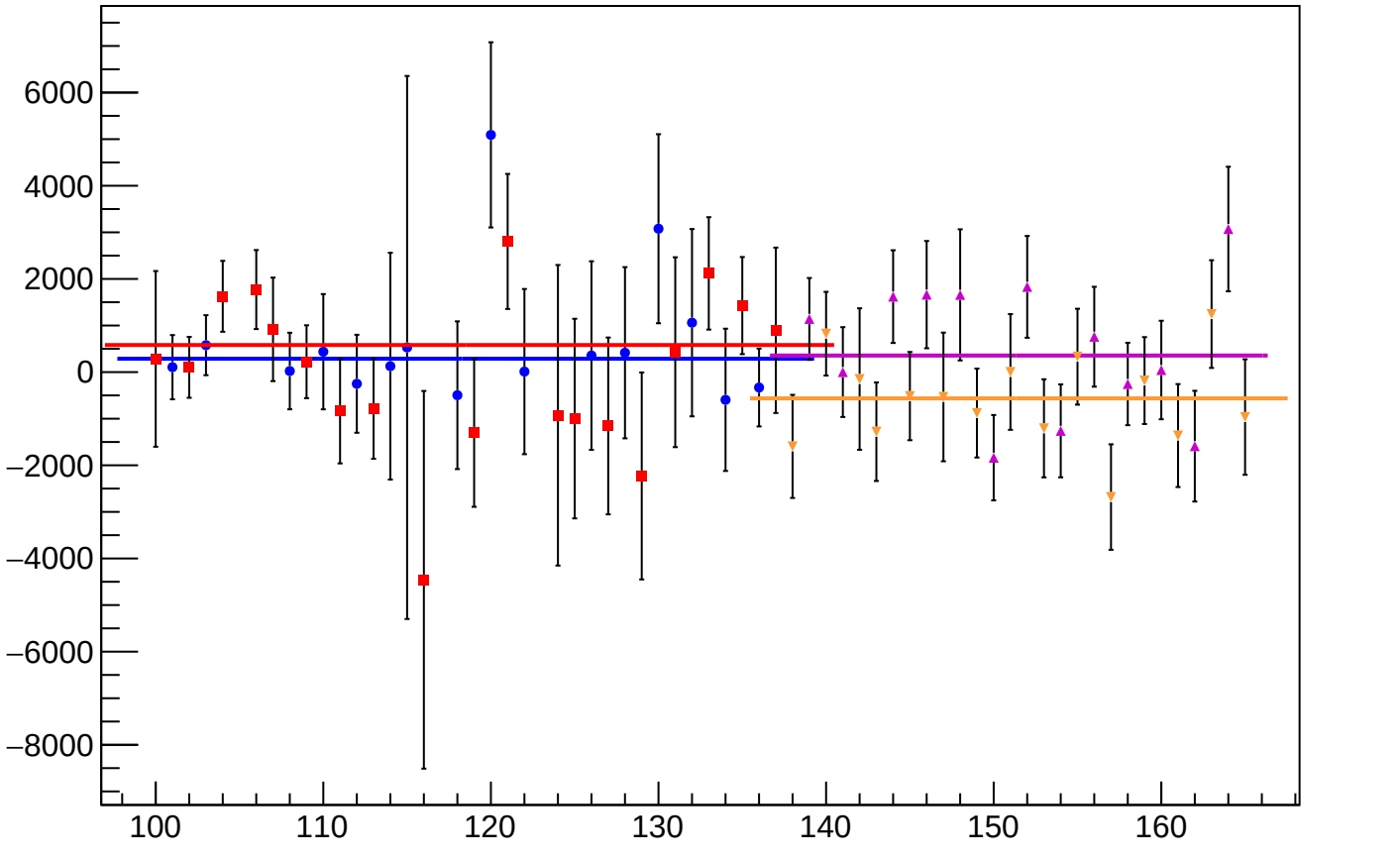
Left: 150.015+/-0.022 χ^2/NDF: 573721.3/27

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 125.150+/-0.021 χ^2/NDF:2384421.9/28

Out: 120.679+/-0.020 χ^2/NDF:2766316.1/33

All: 122.778+/-0.015 χ^2/NDF: 5173731.2/62



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -563.631+/-279.868 χ^2/NDF:12.0/14

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 355.164+/-288.801 χ^2/NDF:22.4/12

Left: -118.663+/-200.980 χ^2/NDF: 39.6/27

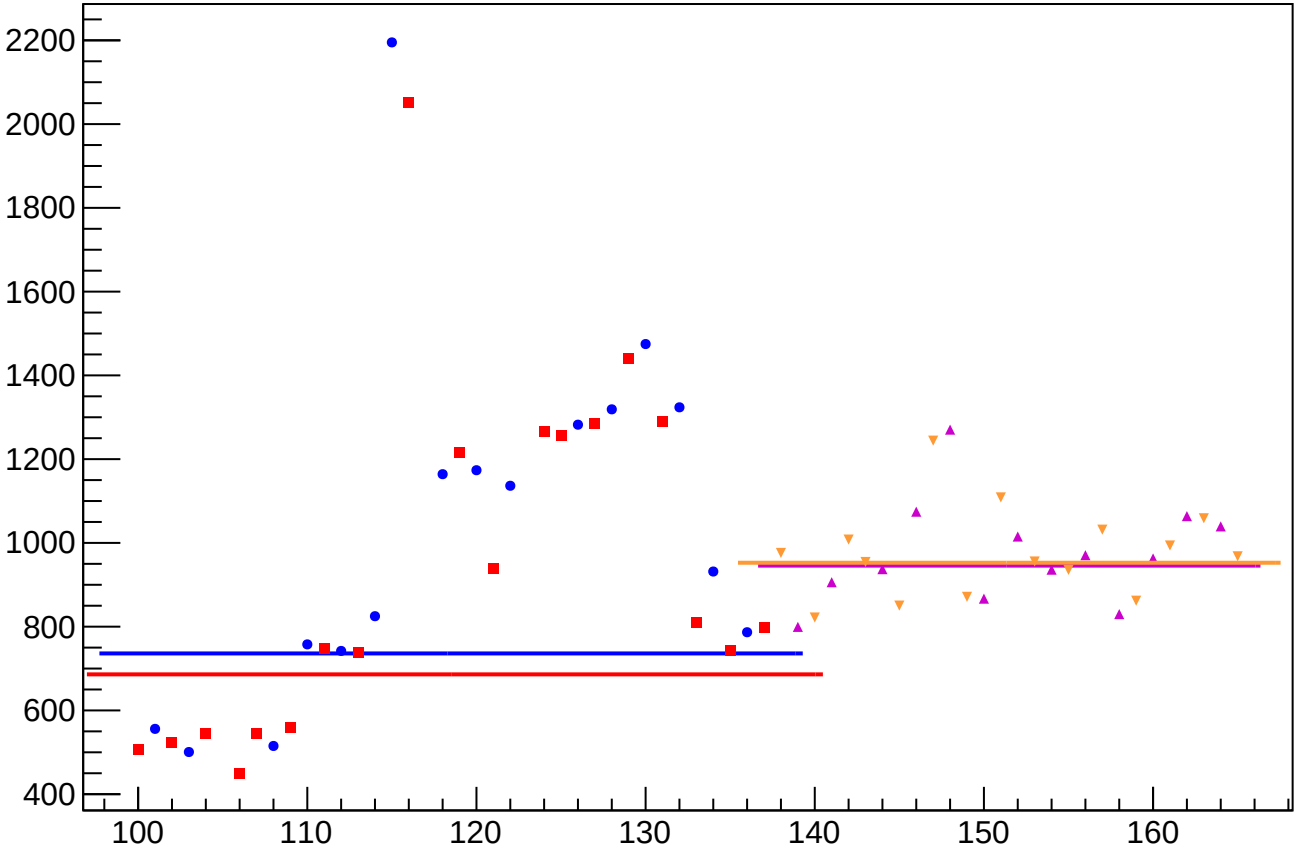
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 321.587+/-205.845 χ^2/NDF:32.1/28

Out: 29.809+/-194.230 χ^2/NDF:39.4/33

All: 167.234+/-141.269 χ^2/NDF: 72.6/62

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253767.0/14

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 945.750+/-0.204 χ^2/NDF:279113.3/12

Left: 949.314+/-0.142 χ^2/NDF: 533470.9/27

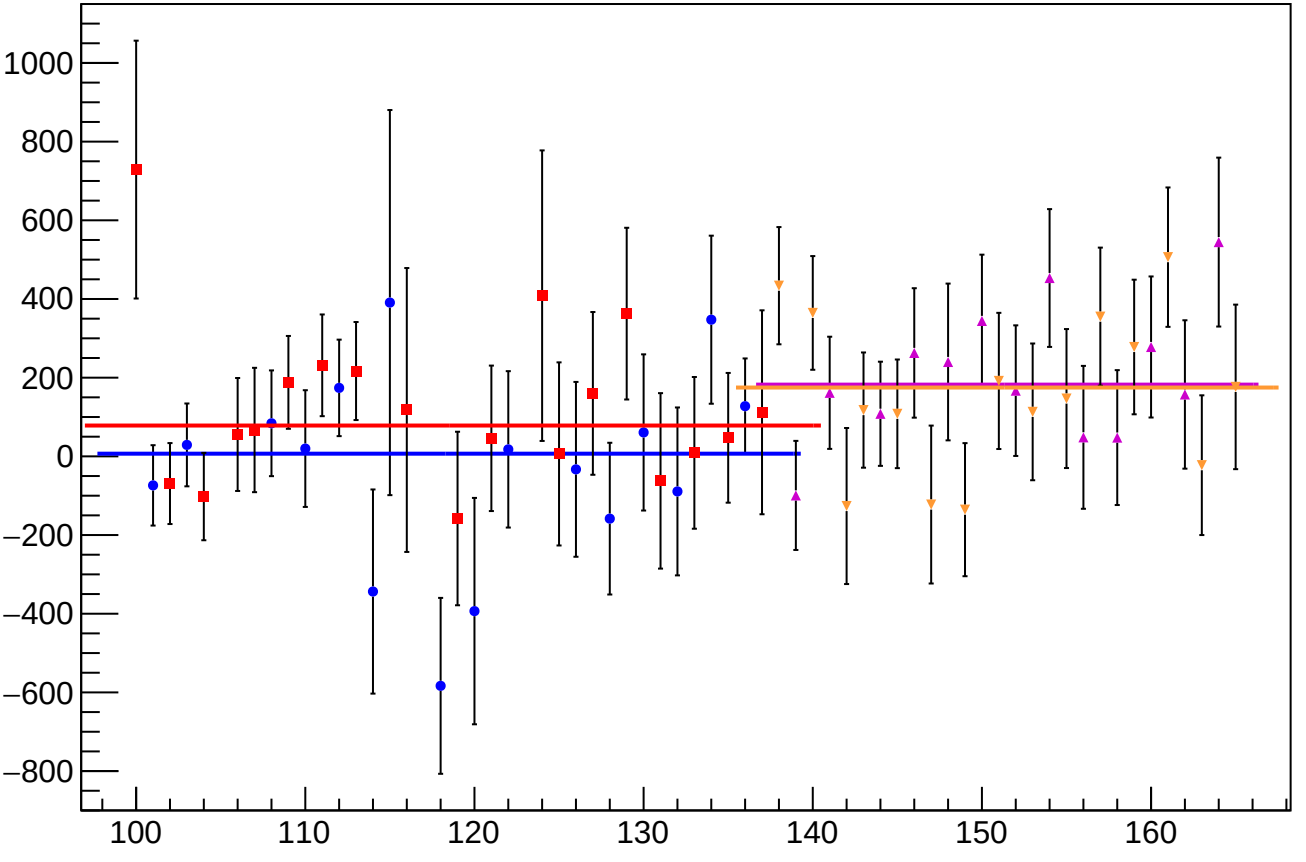
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 842.599+/-0.146 χ^2/NDF:2642209.2/28

Out: 814.492+/-0.137 χ^2/NDF:3013355.9/33

All: 827.730+/-0.100 χ^2/NDF: 5675292.3/62

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.930+/-43.485 χ^2/NDF:19.3/14

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 182.329+/-46.137 χ^2/NDF:12.4/12

Left: 178.411+/-31.644 χ^2/NDF: 31.7/27

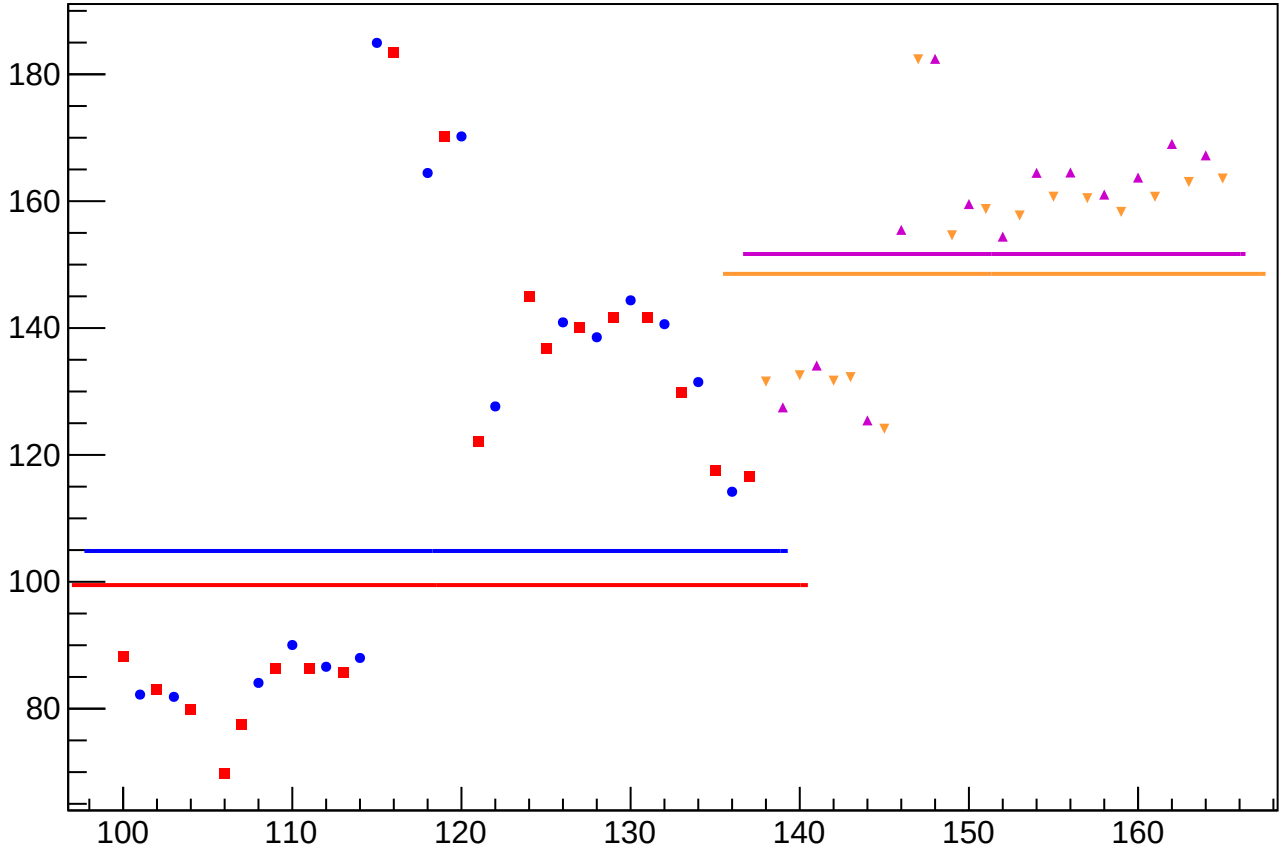
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 82.878+/-30.374 χ^2/NDF:39.4/28

Out: 120.053+/-28.575 χ^2/NDF:38.8/33

All: 102.599+/-20.812 χ^2/NDF: 79.0/62

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

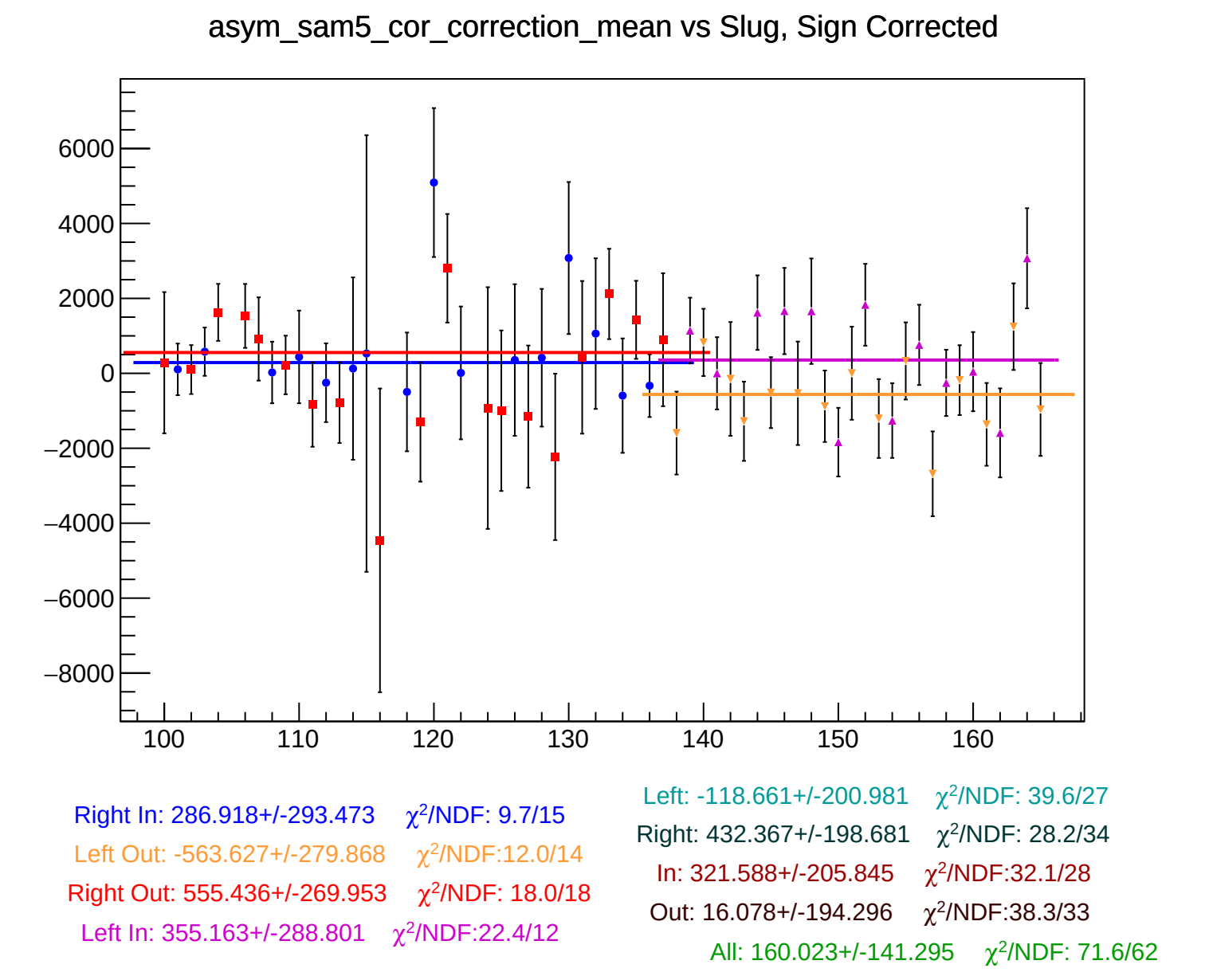
Left: 150.015+/-0.022 χ^2/NDF: 573721.3/27

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

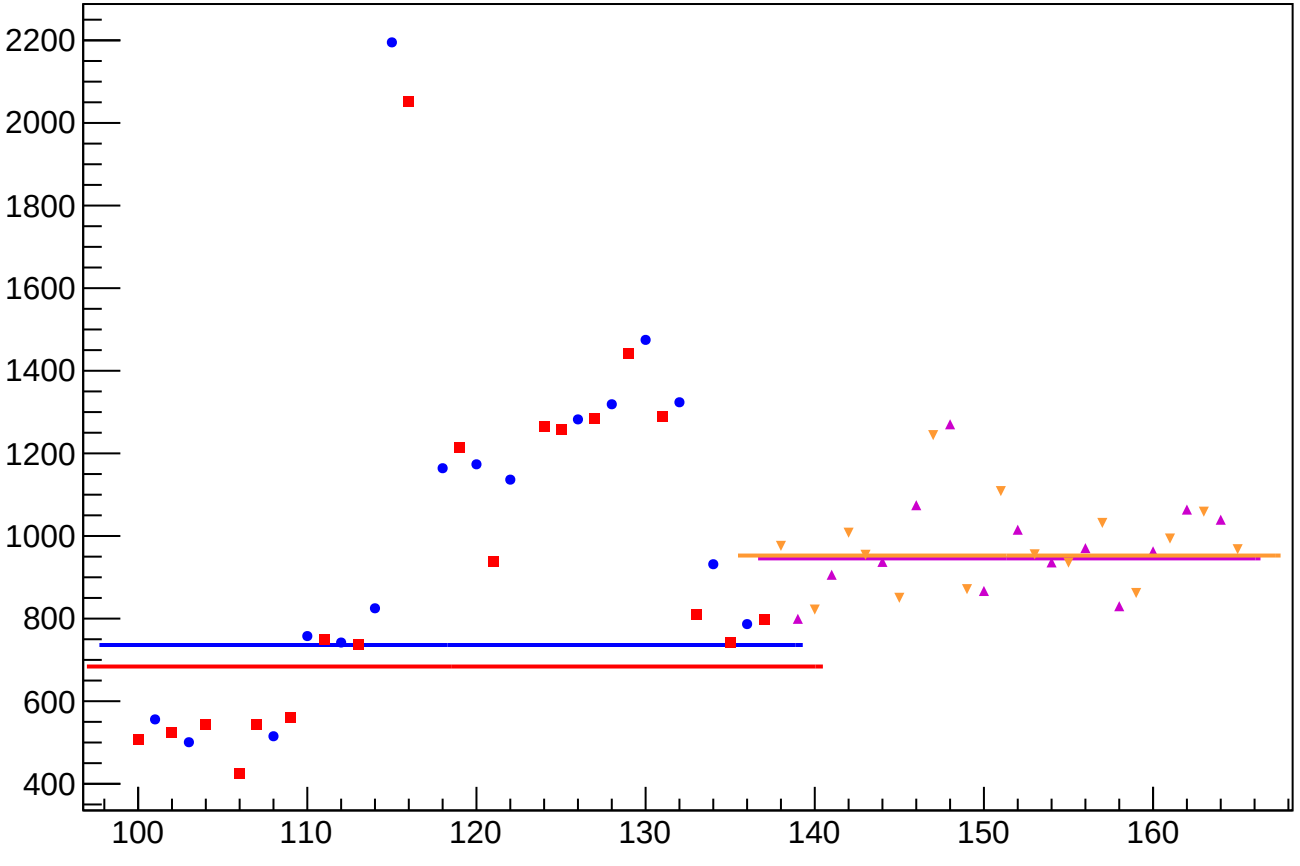
In: 125.150+/-0.021 χ^2/NDF:2384420.3/28

Out: 120.667+/-0.020 χ^2/NDF:2769822.8/33

All: 122.772+/-0.015 χ^2/NDF: 5177357.8/62


asym_sam5_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -563.627+/-279.868 χ²/NDF:12.0/14
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 355.163+/-288.801 χ²/NDF:22.4/12
Left: -118.661+/-200.981 χ²/NDF: 39.6/27
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 321.588+/-205.845 χ²/NDF:32.1/28
Out: 16.078+/-194.296 χ²/NDF:38.3/33
All: 160.023+/-141.295 χ²/NDF: 71.6/62

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253766.7/14

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

Left: 949.314+/-0.142 χ^2/NDF: 533471.8/27

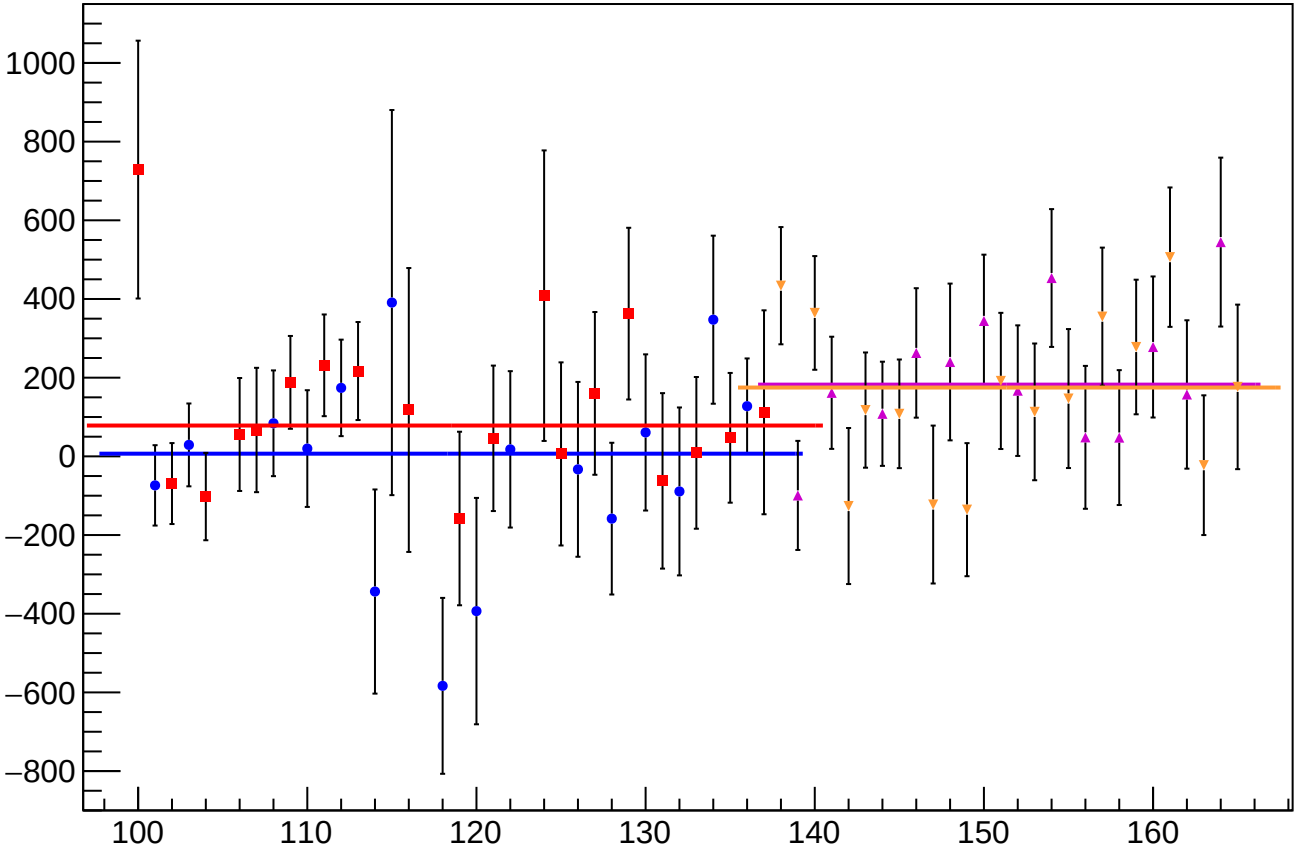
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 842.599+/-0.146 χ^2/NDF:2642217.1/28

Out: 813.477+/-0.137 χ^2/NDF:3059048.5/33

All: 827.198+/-0.100 χ^2/NDF: 5722434.8/62

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.930+/-43.485 χ^2/NDF:19.3/14

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 182.329+/-46.137 χ^2/NDF:12.4/12

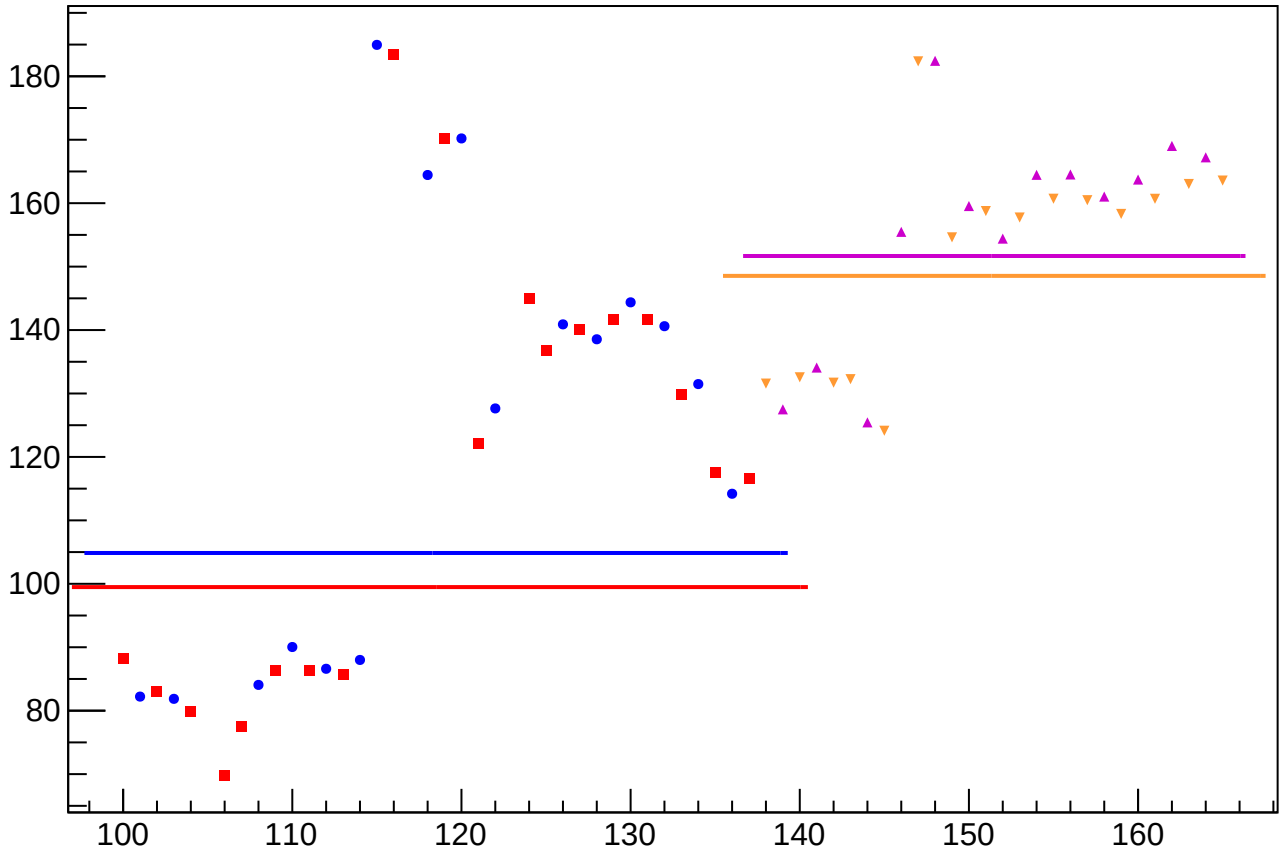
Left: 178.411+/-31.644 χ^2/NDF: 31.7/27

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 82.878+/-30.374 χ^2/NDF:39.4/28

Out: 120.053+/-28.575 χ^2/NDF:38.8/33

All: 102.599+/-20.812 χ^2/NDF: 79.0/62



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

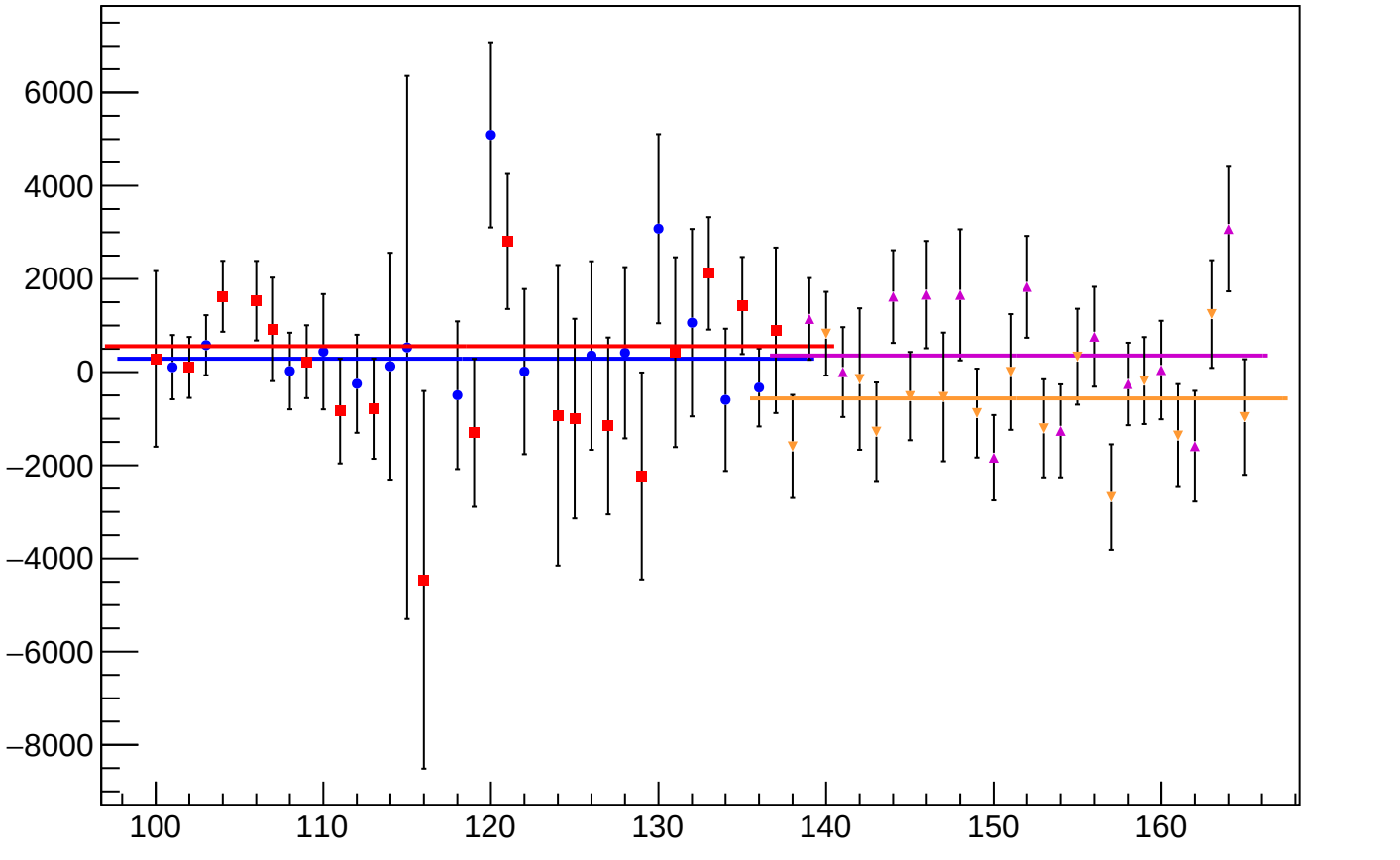
Left: 150.015+/-0.022 χ^2/NDF: 573721.3/27

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 125.150+/-0.021 χ^2/NDF:2384420.3/28

Out: 120.667+/-0.020 χ^2/NDF:2769822.8/33

All: 122.772+/-0.015 χ^2/NDF: 5177357.8/62



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -563.627+/-279.868 χ^2/NDF:12.0/14

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 355.163+/-288.801 χ^2/NDF:22.4/12

Left: -118.661+/-200.981 χ^2/NDF: 39.6/27

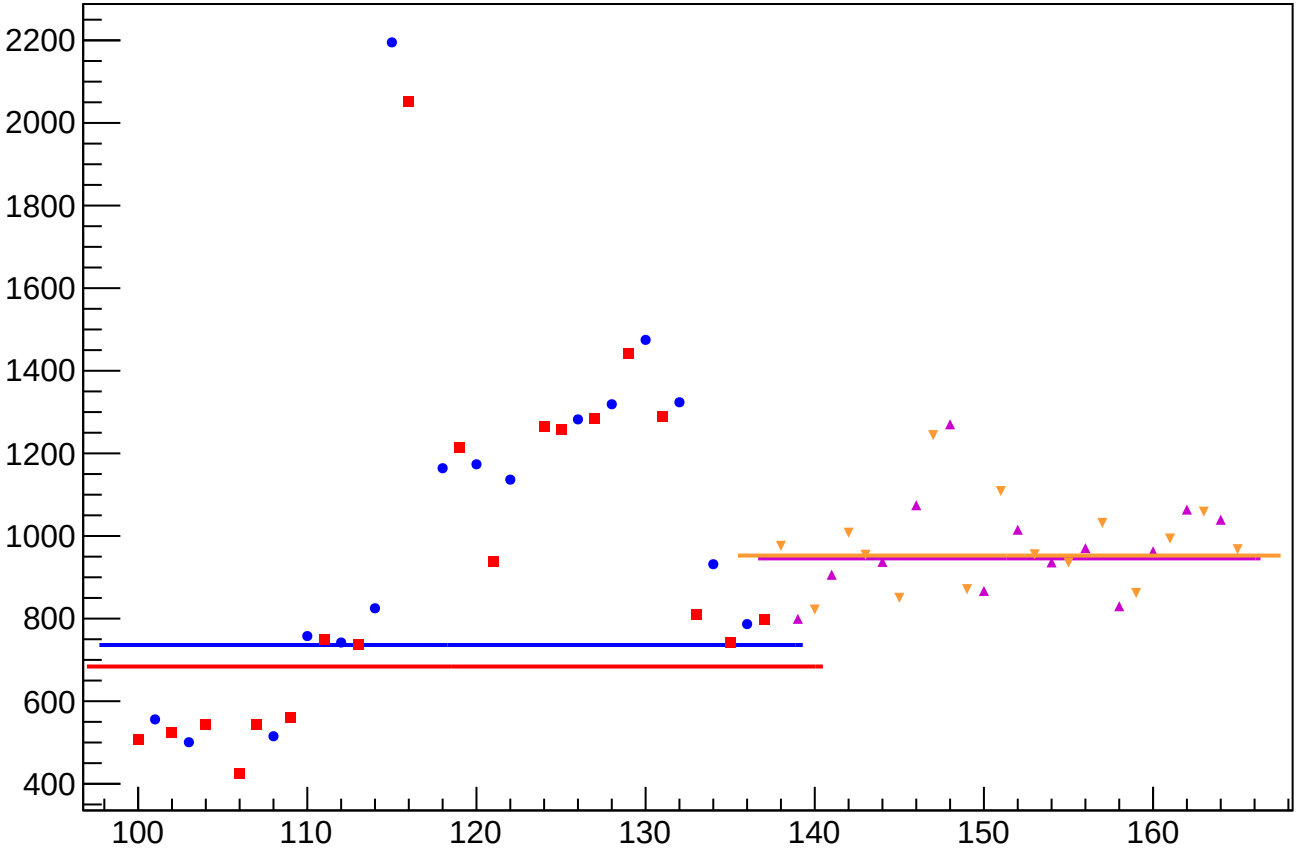
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 321.588+/-205.845 χ^2/NDF:32.1/28

Out: 16.078+/-194.296 χ^2/NDF:38.3/33

All: 160.023+/-141.295 χ^2/NDF: 71.6/62

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253766.7/14

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

Left: 949.314+/-0.142 χ^2/NDF: 533471.8/27

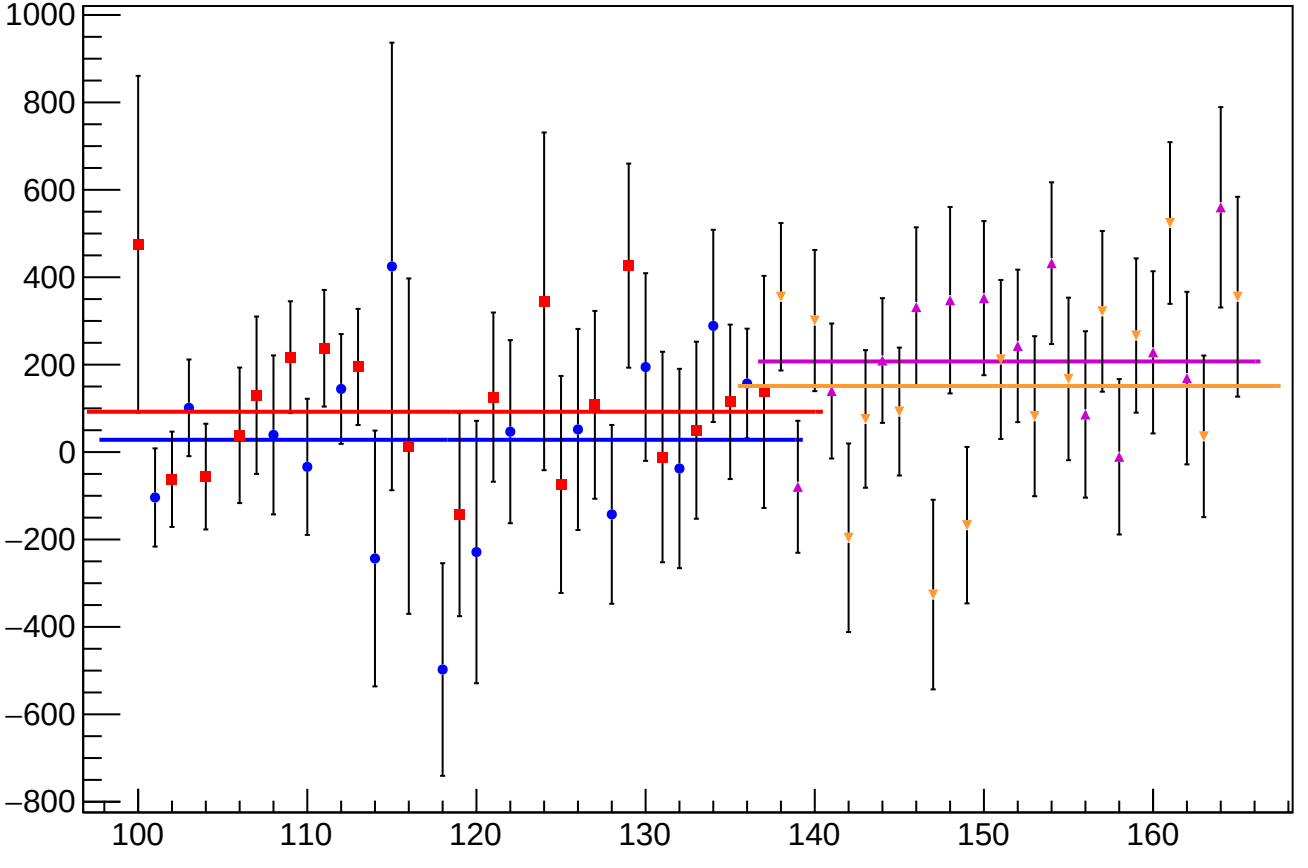
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 842.599+/-0.146 χ^2/NDF:2642217.1/28

Out: 813.477+/-0.137 χ^2/NDF:3059048.5/33

All: 827.198+/-0.100 χ^2/NDF: 5722434.8/62

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 151.244+/-46.482 χ^2/NDF:20.1/14

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 207.309+/-49.134 χ^2/NDF:11.2/12

Left: 177.723+/-33.766 χ^2/NDF: 32.0/27

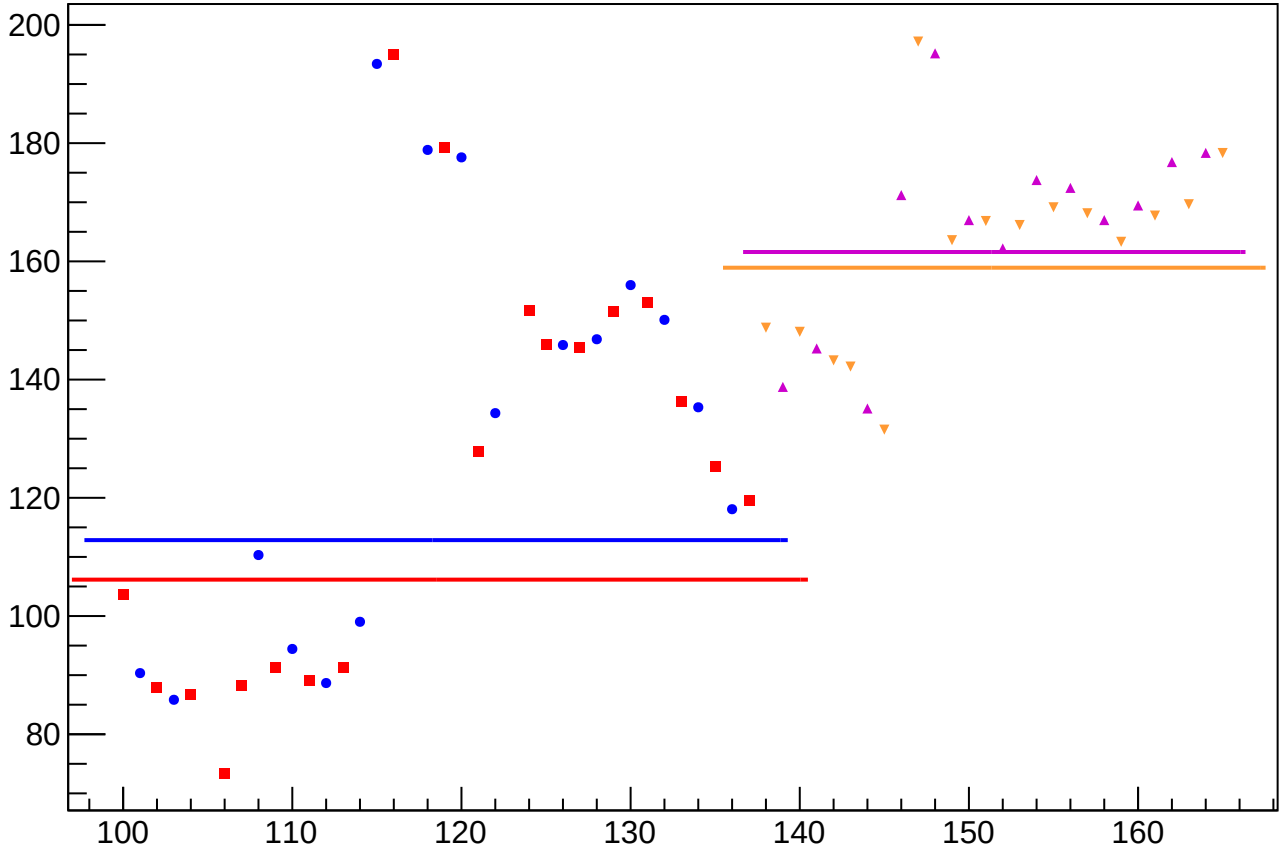
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 106.717+/-32.544 χ^2/NDF:32.2/28

Out: 117.735+/-30.552 χ^2/NDF:32.7/33

All: 112.574+/-22.274 χ^2/NDF: 65.0/62

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 158.928+/-0.033 χ^2/NDF:227971.0/14

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 161.585+/-0.035 χ^2/NDF:237281.4/12

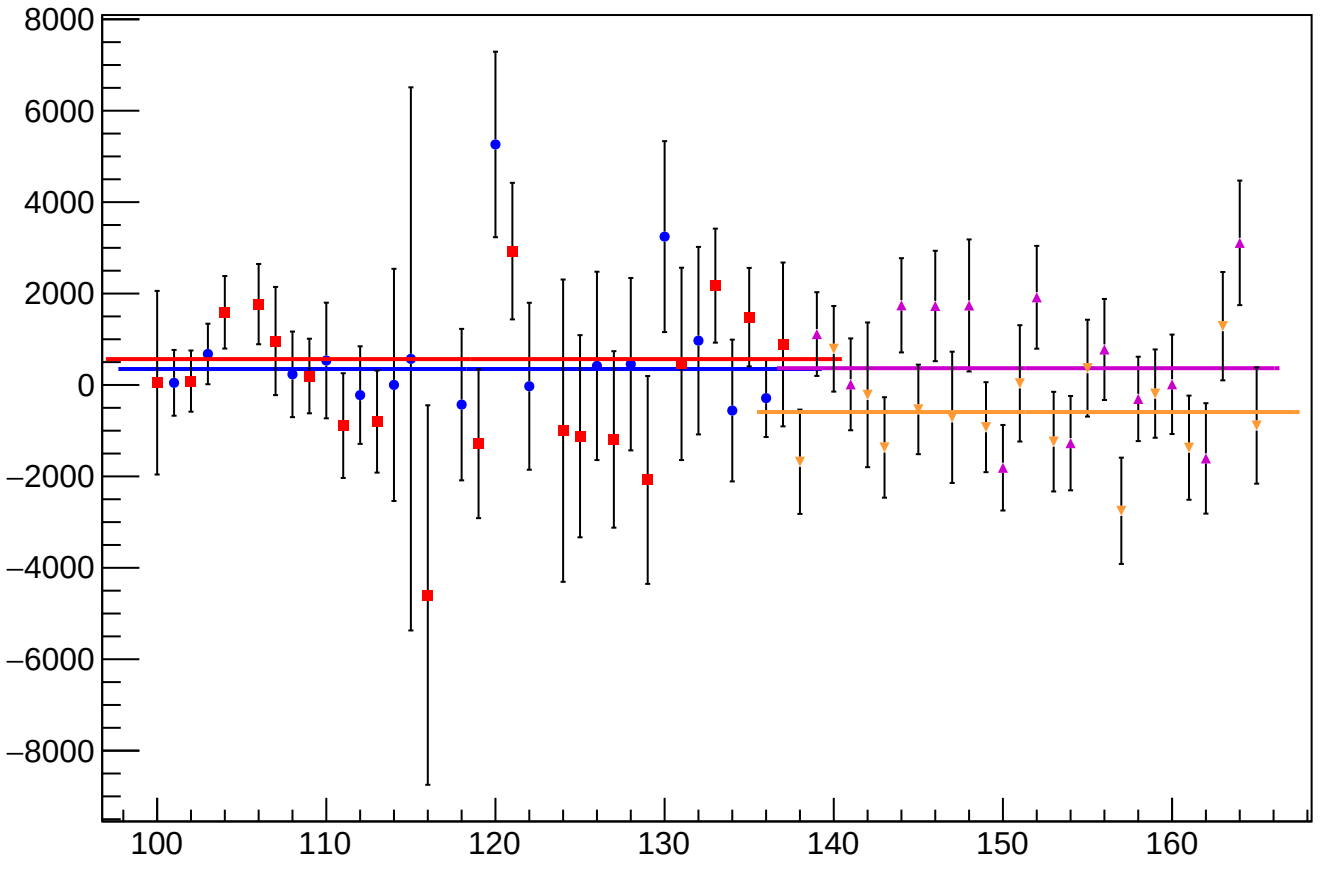
Left: 160.183+/-0.024 χ^2/NDF: 468340.2/27

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 134.226+/-0.023 χ^2/NDF:2214271.6/28

Out: 128.956+/-0.022 χ^2/NDF:2694172.3/33

All: 131.425+/-0.016 χ^2/NDF: 4936323.6/62



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -592.201+/-289.217 χ^2/NDF:11.8/14

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 367.181+/-298.547 χ^2/NDF:22.1/12

Left: -127.735+/-207.727 χ^2/NDF: 39.2/27

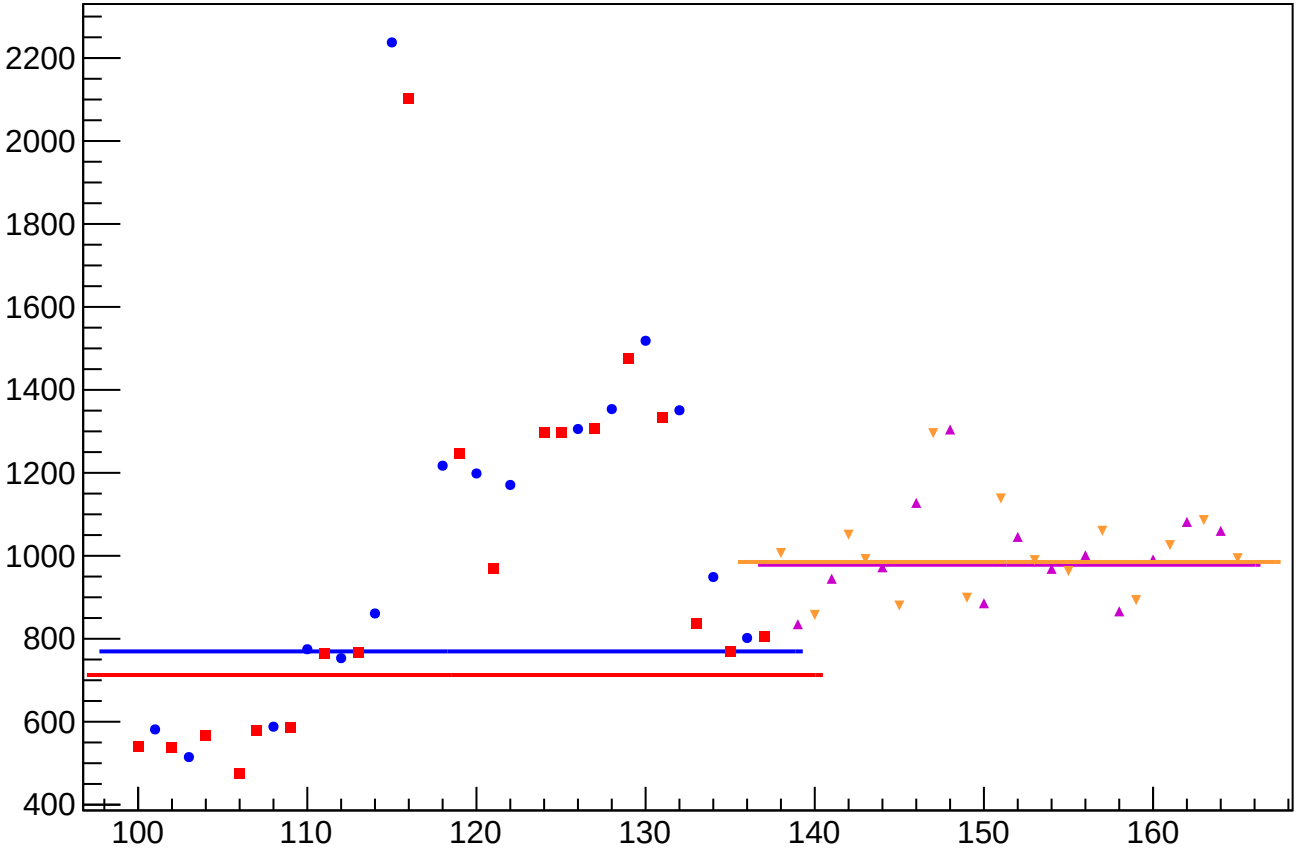
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 358.350+/-213.462 χ^2/NDF:31.9/28

Out: 7.279+/-200.879 χ^2/NDF:38.4/33

All: 172.163+/-146.289 χ^2/NDF: 71.8/62

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 985.103+/-0.205 χ^2/NDF:246726.0/14

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 978.405+/-0.211 χ^2/NDF:263236.3/12

Left: 981.860+/-0.147 χ^2/NDF: 510481.6/27

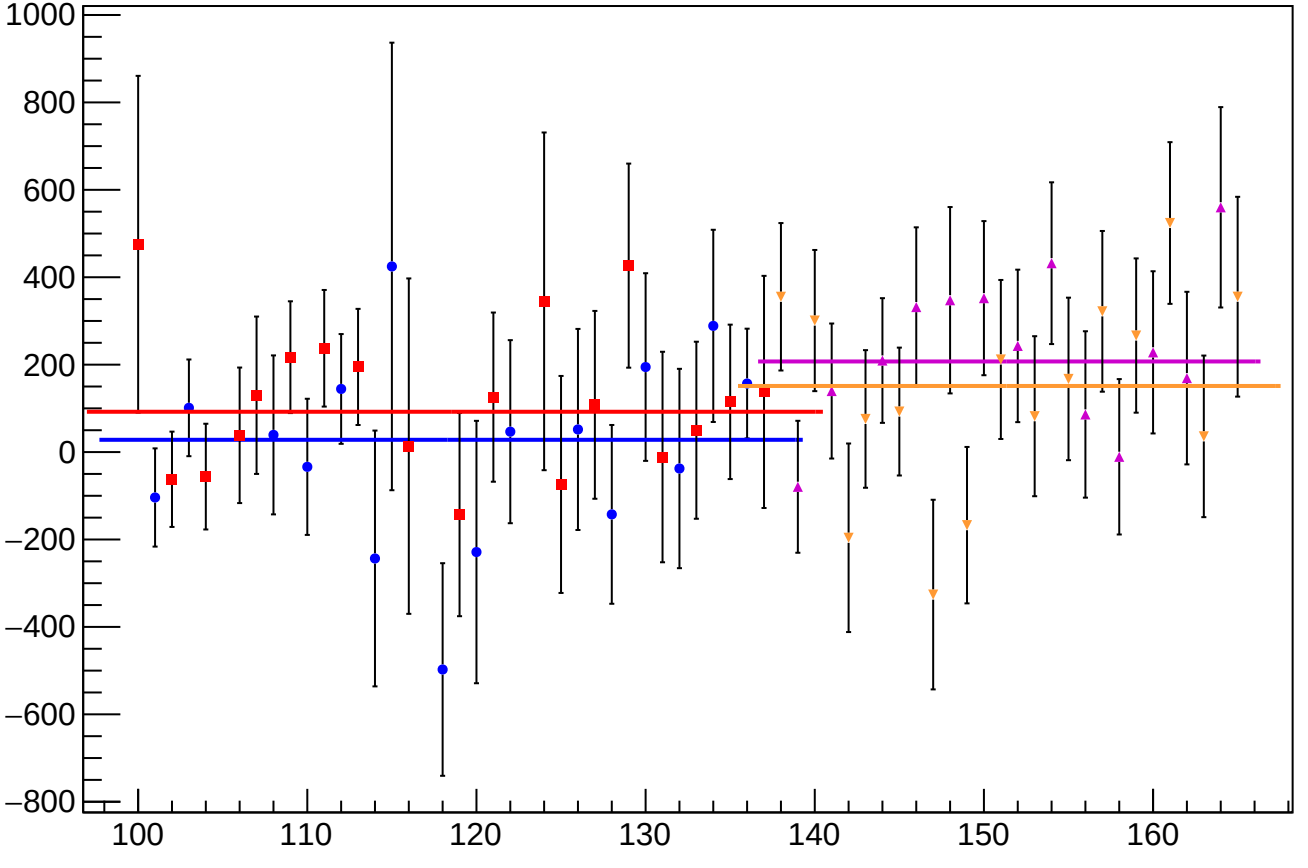
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 876.326+/-0.151 χ^2/NDF:2481551.3/28

Out: 844.074+/-0.142 χ^2/NDF:2932738.6/33

All: 859.222+/-0.103 χ^2/NDF: 5438503.0/62

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 151.245+/-46.482 χ^2/NDF:20.1/14

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 207.311+/-49.134 χ^2/NDF:11.2/12

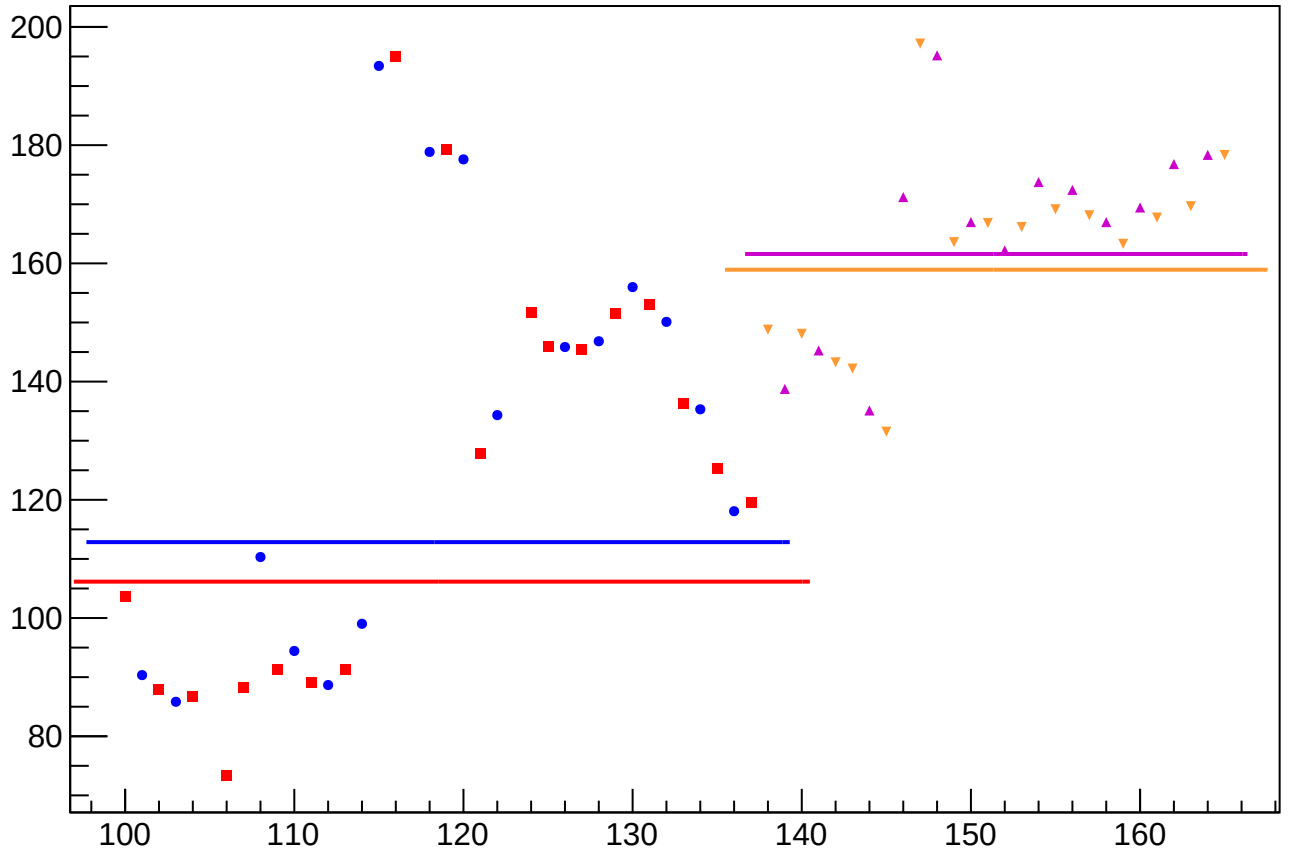
Left: 177.723+/-33.766 χ^2/NDF: 32.0/27

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 106.717+/-32.544 χ^2/NDF:32.2/28

Out: 117.735+/-30.552 χ^2/NDF:32.7/33

All: 112.574+/-22.274 χ^2/NDF: 65.0/62



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 158.928+/-0.033 χ^2/NDF:227972.0/14

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 161.586+/-0.035 χ^2/NDF:237276.6/12

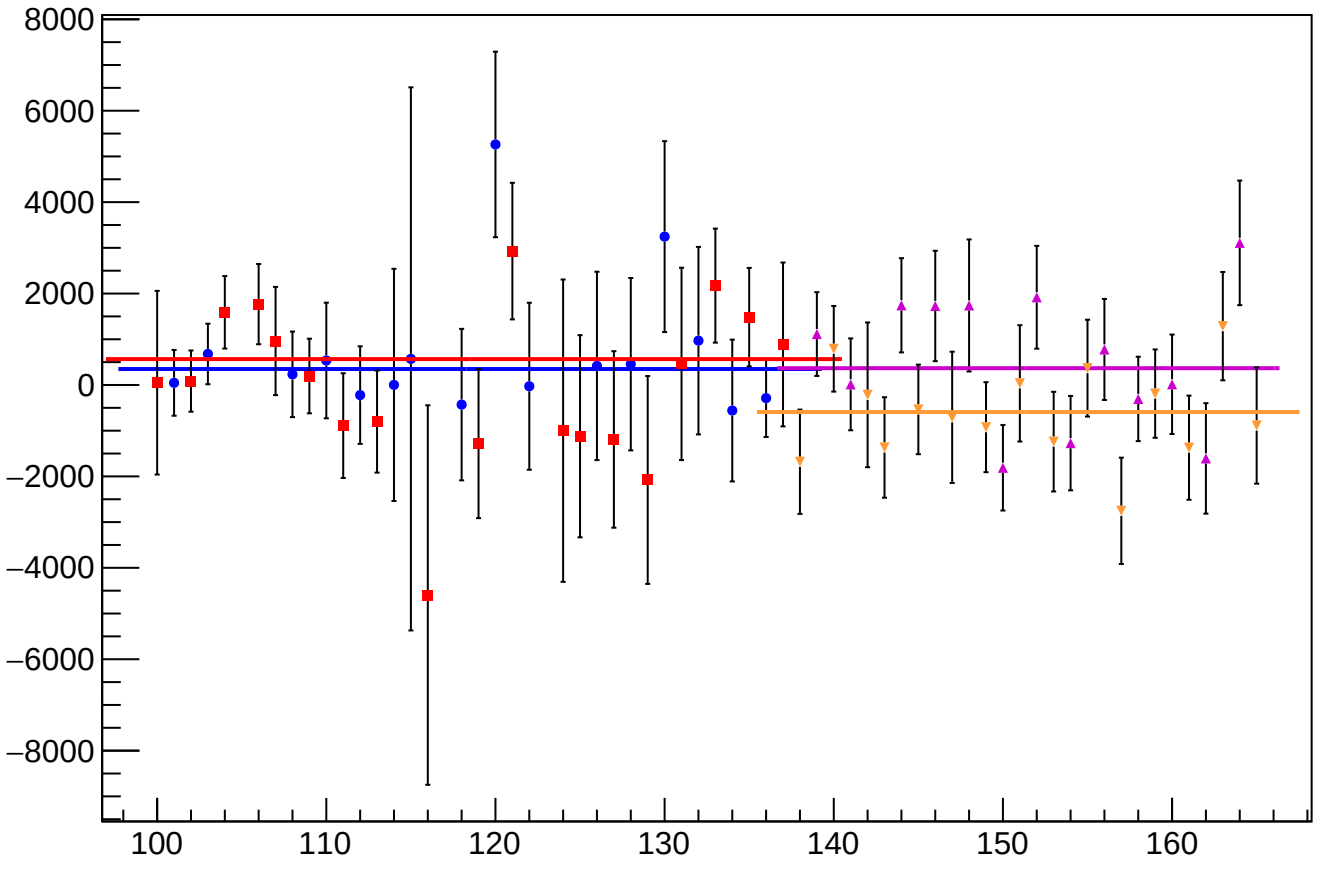
Left: 160.183+/-0.024 χ^2/NDF: 468336.7/27

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 134.226+/-0.023 χ^2/NDF:2214288.3/28

Out: 128.956+/-0.022 χ^2/NDF:2694185.2/33

All: 131.425+/-0.016 χ^2/NDF: 4936352.9/62



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -592.201+/-289.217 χ^2/NDF:11.8/14

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 367.182+/-298.547 χ^2/NDF:22.1/12

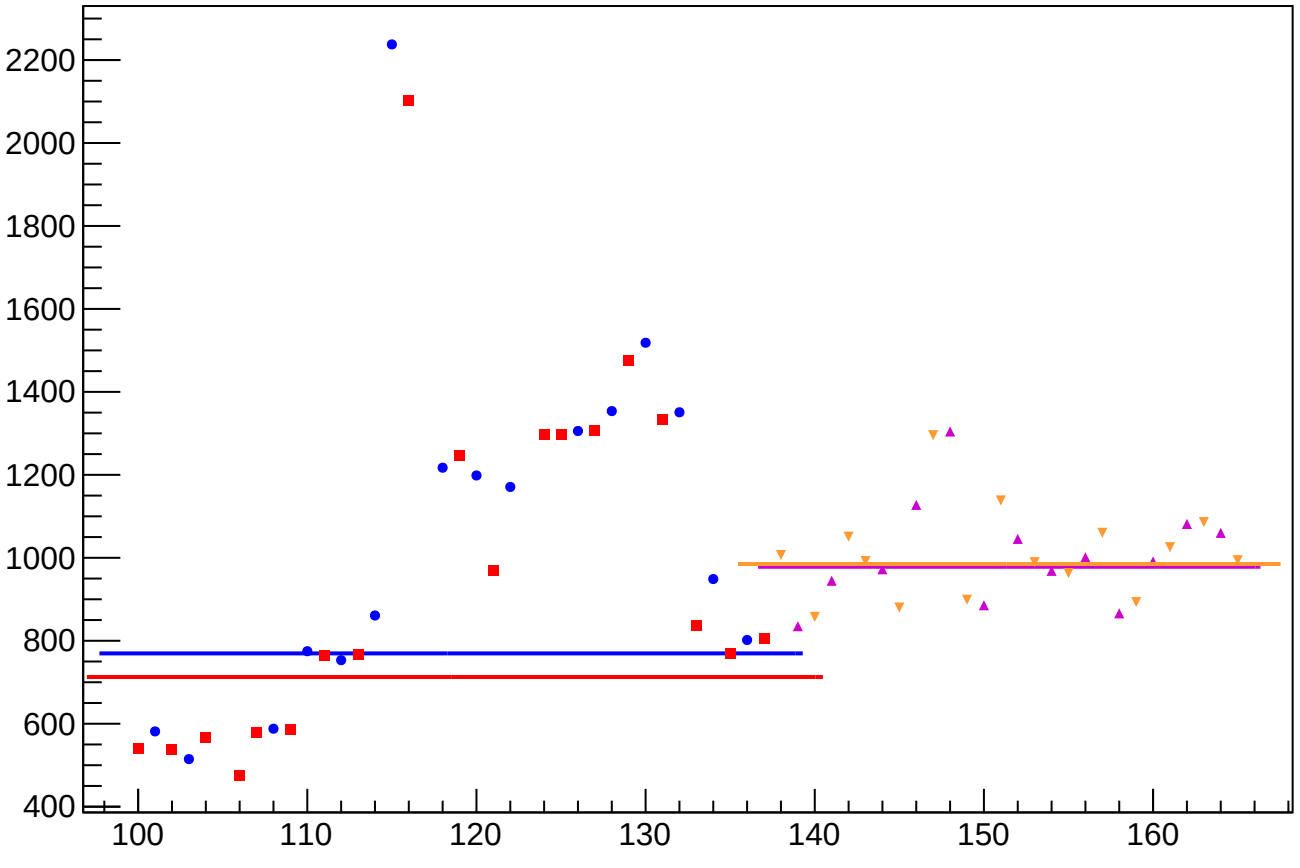
Left: -127.735+/-207.728 χ^2/NDF: 39.2/27

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 358.349+/-213.462 χ^2/NDF:31.9/28

Out: 7.281+/-200.879 χ^2/NDF:38.4/33

All: 172.164+/-146.289 χ^2/NDF: 71.8/62



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 985.104+/-0.205 χ^2/NDF:246726.3/14

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 978.407+/-0.211 χ^2/NDF:263235.8/12

Left: 981.862+/-0.147 χ^2/NDF: 510481.4/27

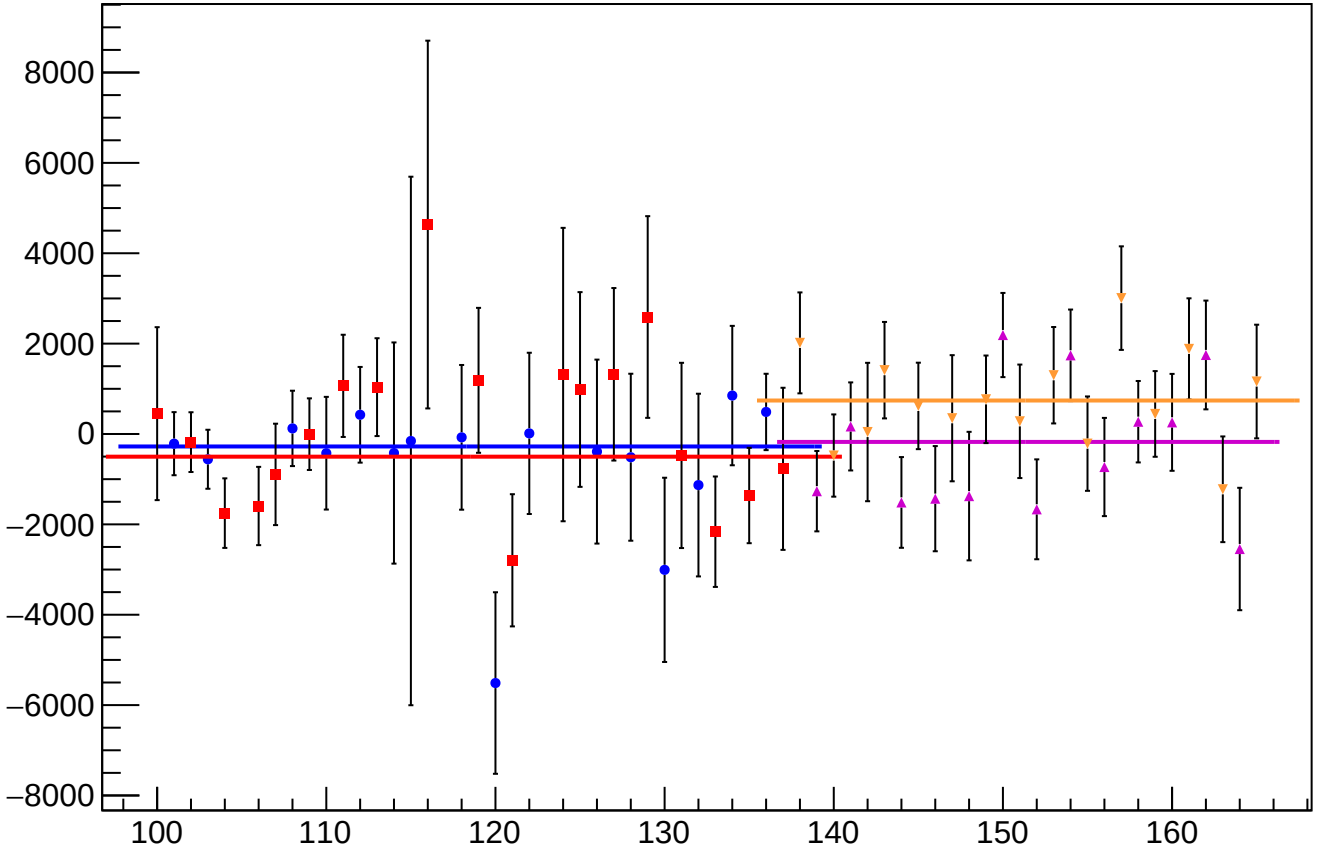
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 876.326+/-0.151 χ^2/NDF:2481559.4/28

Out: 844.074+/-0.142 χ^2/NDF:2932750.2/33

All: 859.222+/-0.103 χ^2/NDF: 5438522.7/62

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 740.969+/-283.438 χ^2/NDF:13.0/14

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -175.469+/-292.723 χ^2/NDF:23.4/12

Left: 297.513+/-203.624 χ^2/NDF: 41.5/27

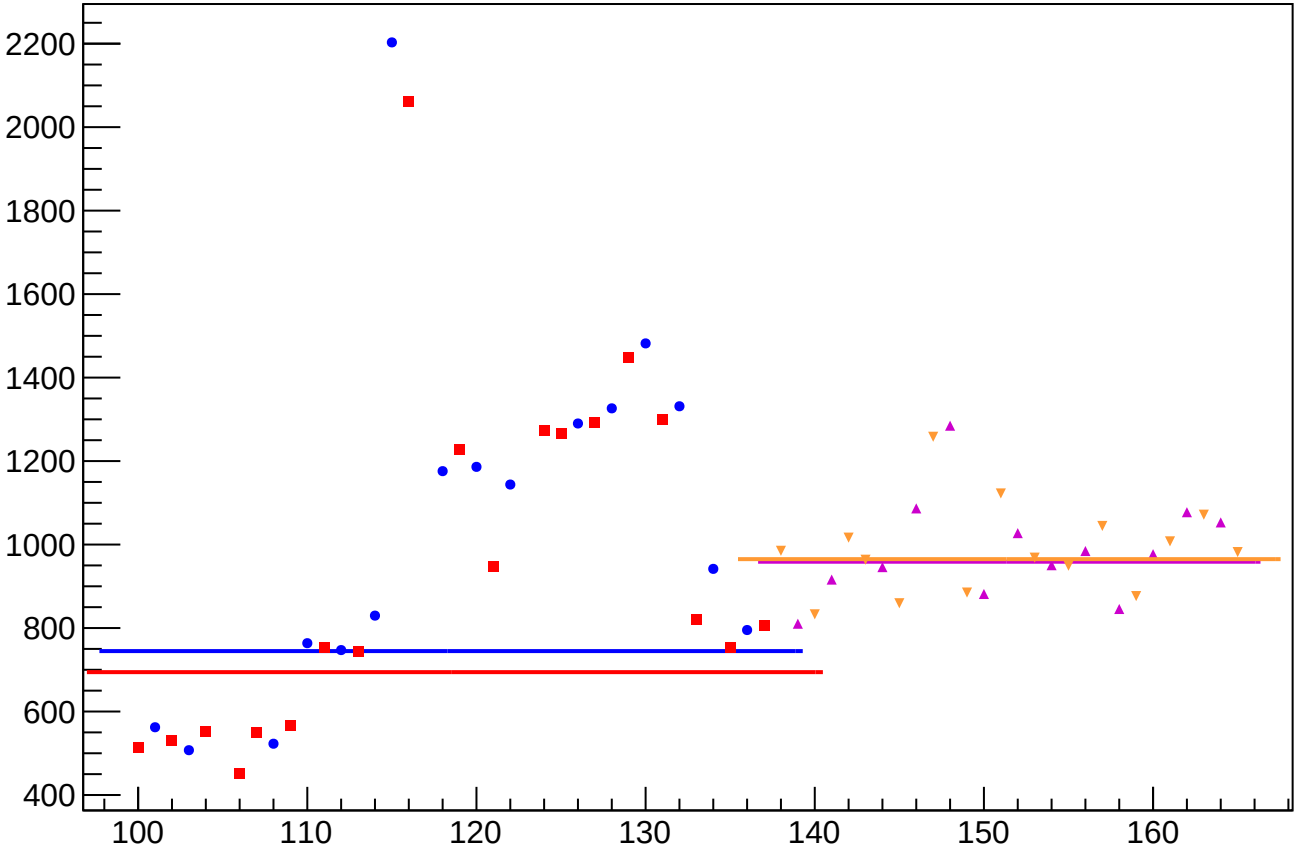
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -225.153+/-208.381 χ^2/NDF:34.5/28

Out: 96.162+/-196.623 χ^2/NDF:43.5/33

All: -55.175+/-143.010 χ^2/NDF: 79.3/62

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 965.062+/-0.200 χ^2/NDF:250180.9/14

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 958.885+/-0.207 χ^2/NDF:272981.0/12

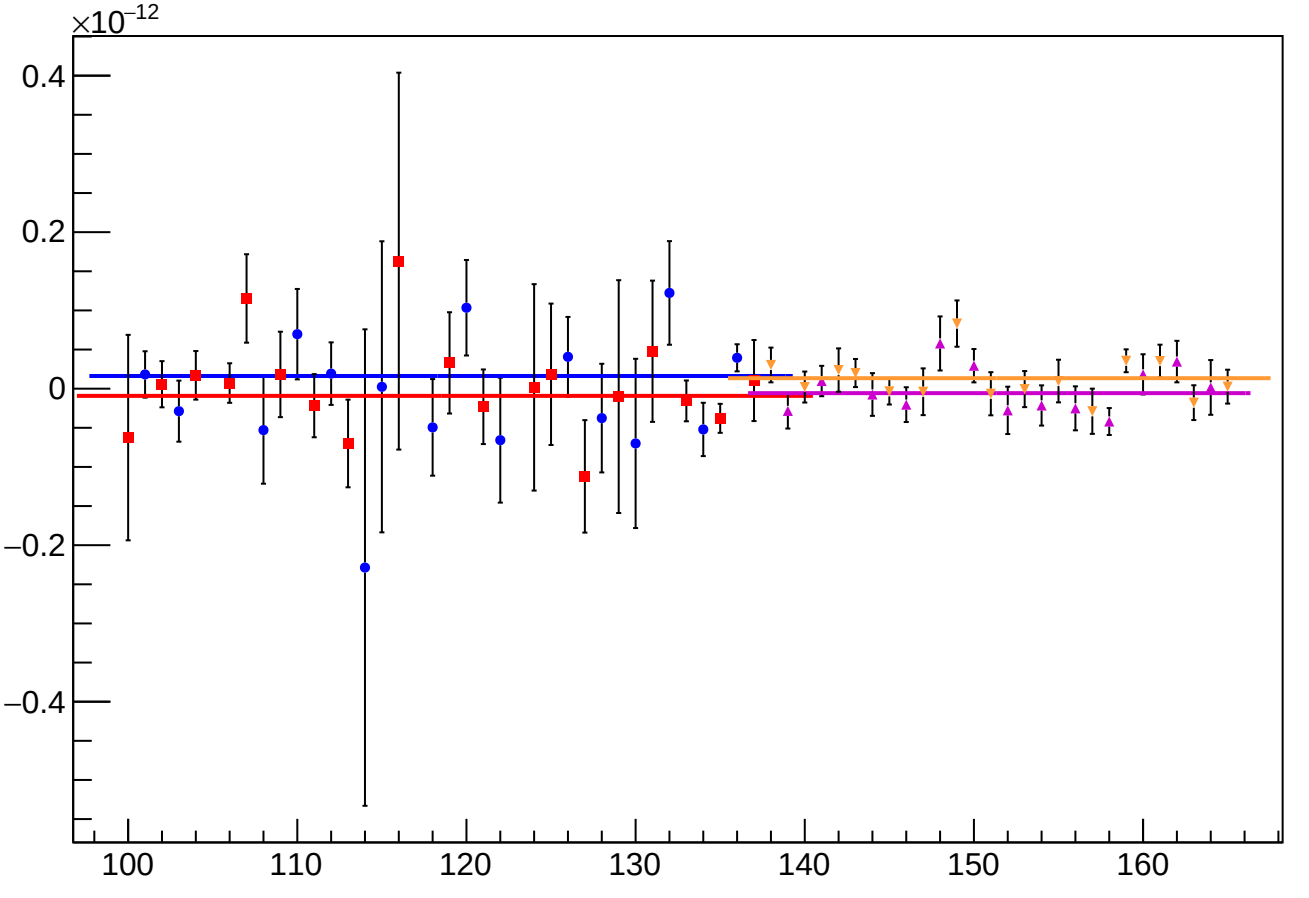
Left: 962.073+/-0.144 χ^2/NDF: 523621.5/27

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 853.281+/-0.147 χ^2/NDF:2623270.4/28

Out: 824.624+/-0.139 χ^2/NDF:3000392.0/33

All: 838.121+/-0.101 χ^2/NDF: 5643673.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/12

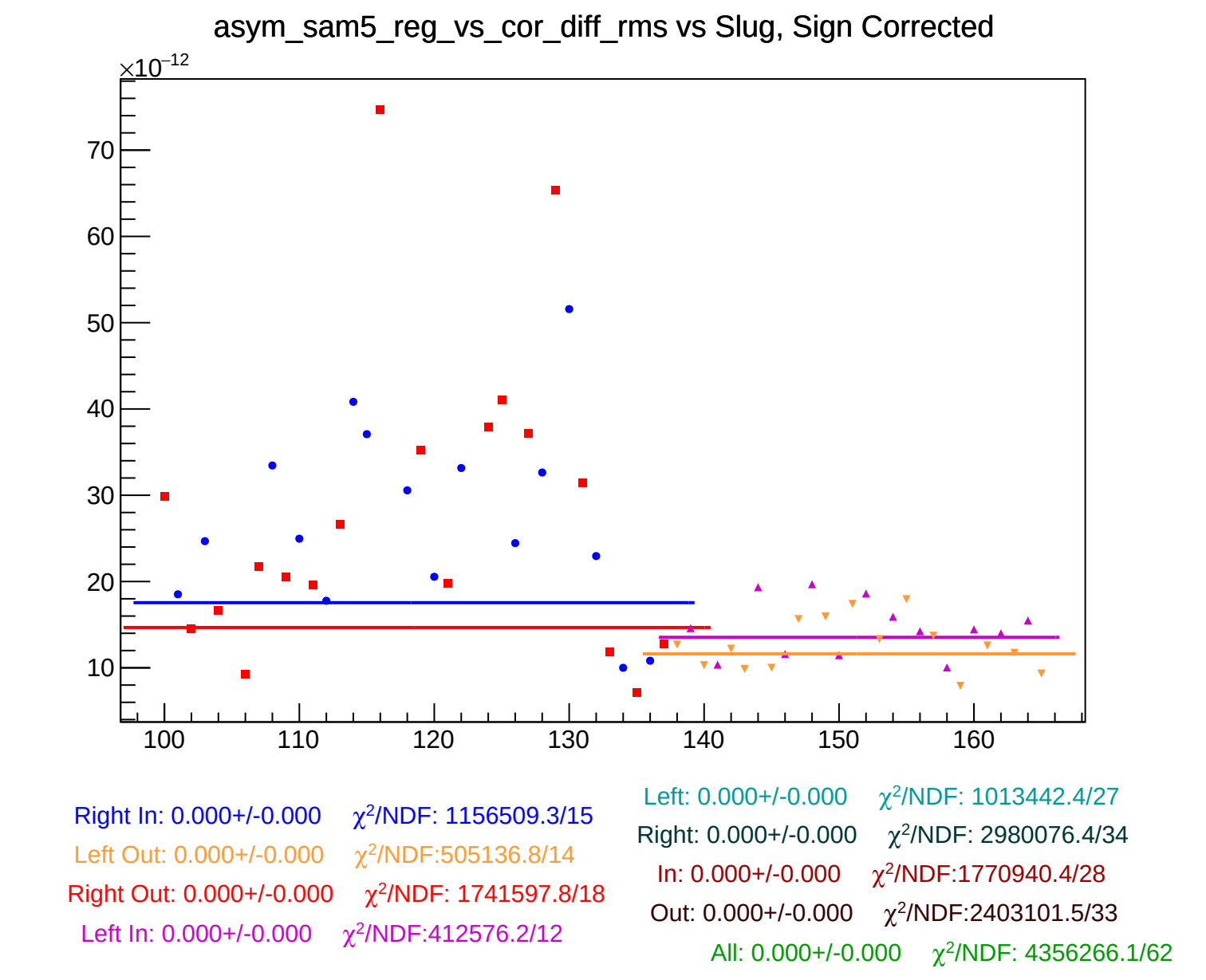
Left: 0.000+/-0.000 χ^2/NDF: 38.7/27

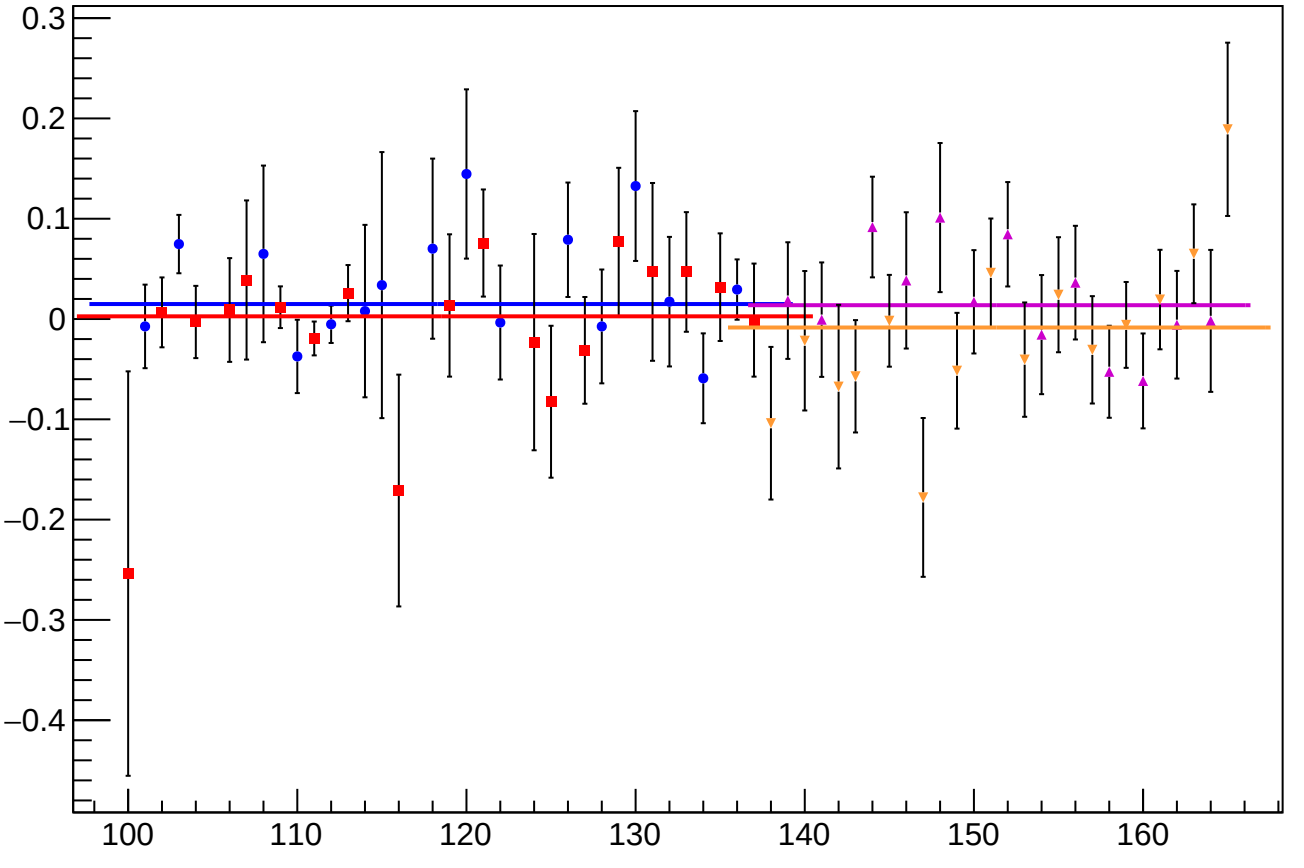
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:38.2/28

Out: 0.000+/-0.000 χ^2/NDF:35.2/33

All: 0.000+/-0.000 χ^2/NDF: 74.2/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:505136.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:412576.2/12
Left: 0.000+/-0.000 χ²/NDF: 1013442.4/27
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1770940.4/28
Out: 0.000+/-0.000 χ²/NDF:2403101.5/33
All: 0.000+/-0.000 χ²/NDF: 4356266.1/62



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

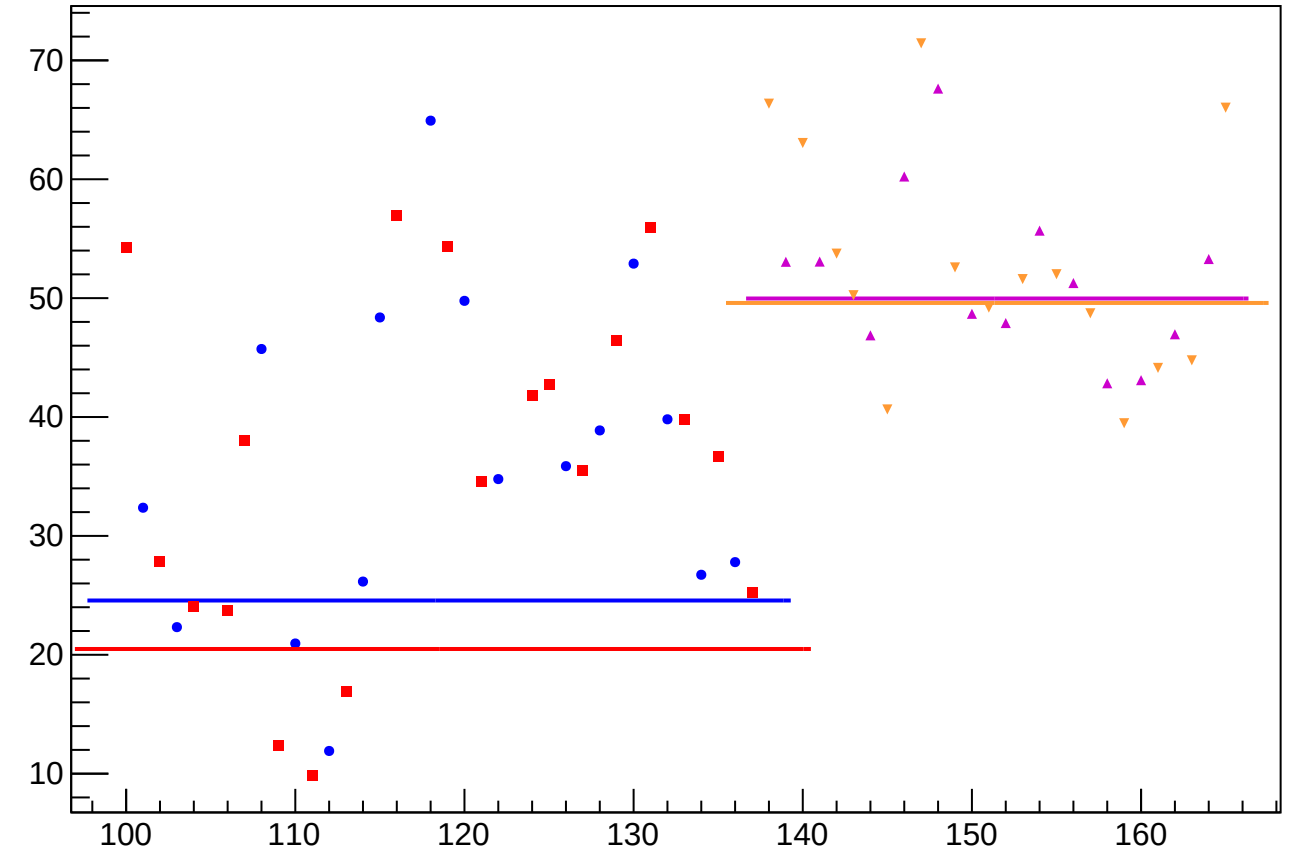
Left: 0.002+/-0.011 χ^2/NDF: 29.8/27

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.006+/-0.006 χ^2/NDF: 61.0/62



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645680.5/14

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

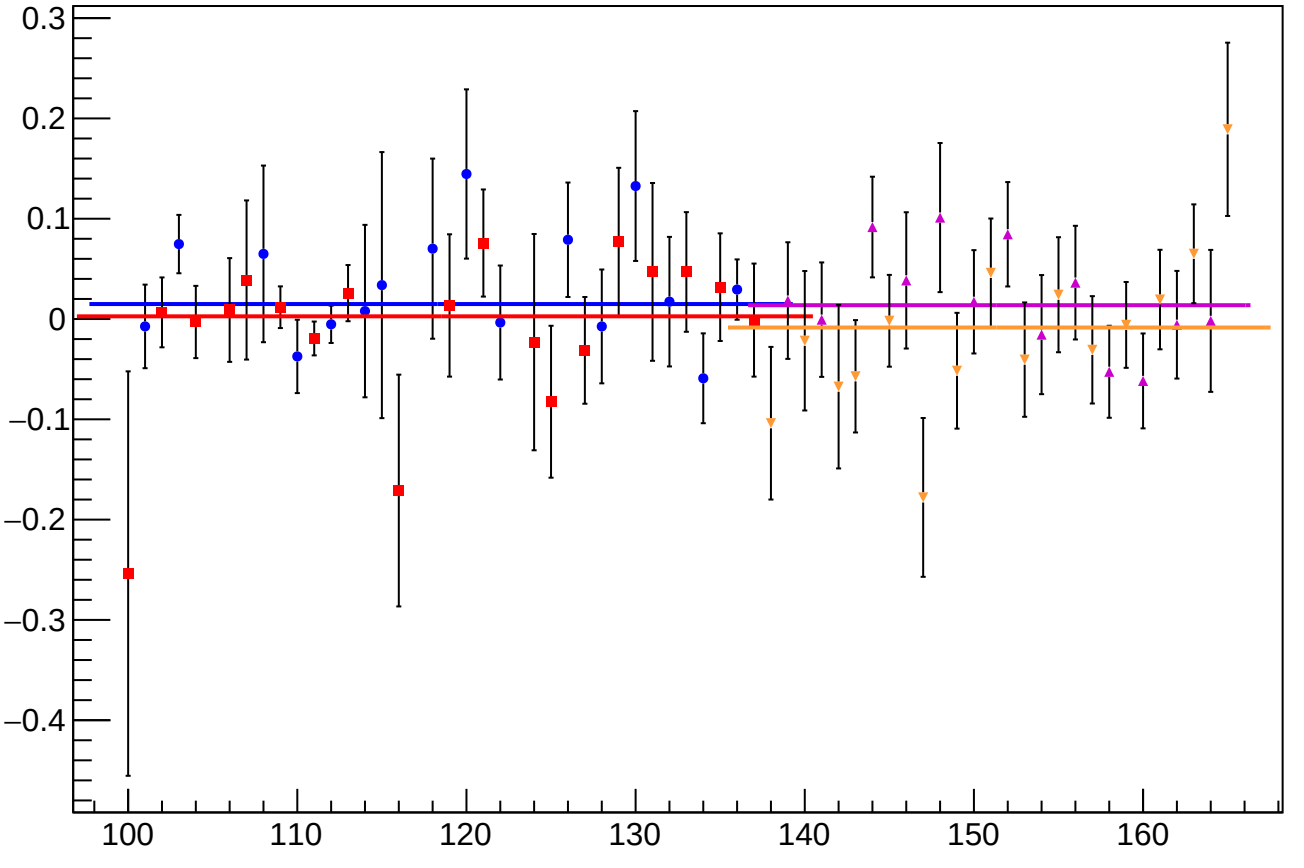
Left: 49.774+/-0.008 χ^2/NDF: 949064.8/27

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 32.707+/-0.006 χ^2/NDF:6477278.0/28

Out: 28.660+/-0.006 χ^2/NDF:9818304.9/33

All: 30.463+/-0.004 χ^2/NDF: 16534047.8/62



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

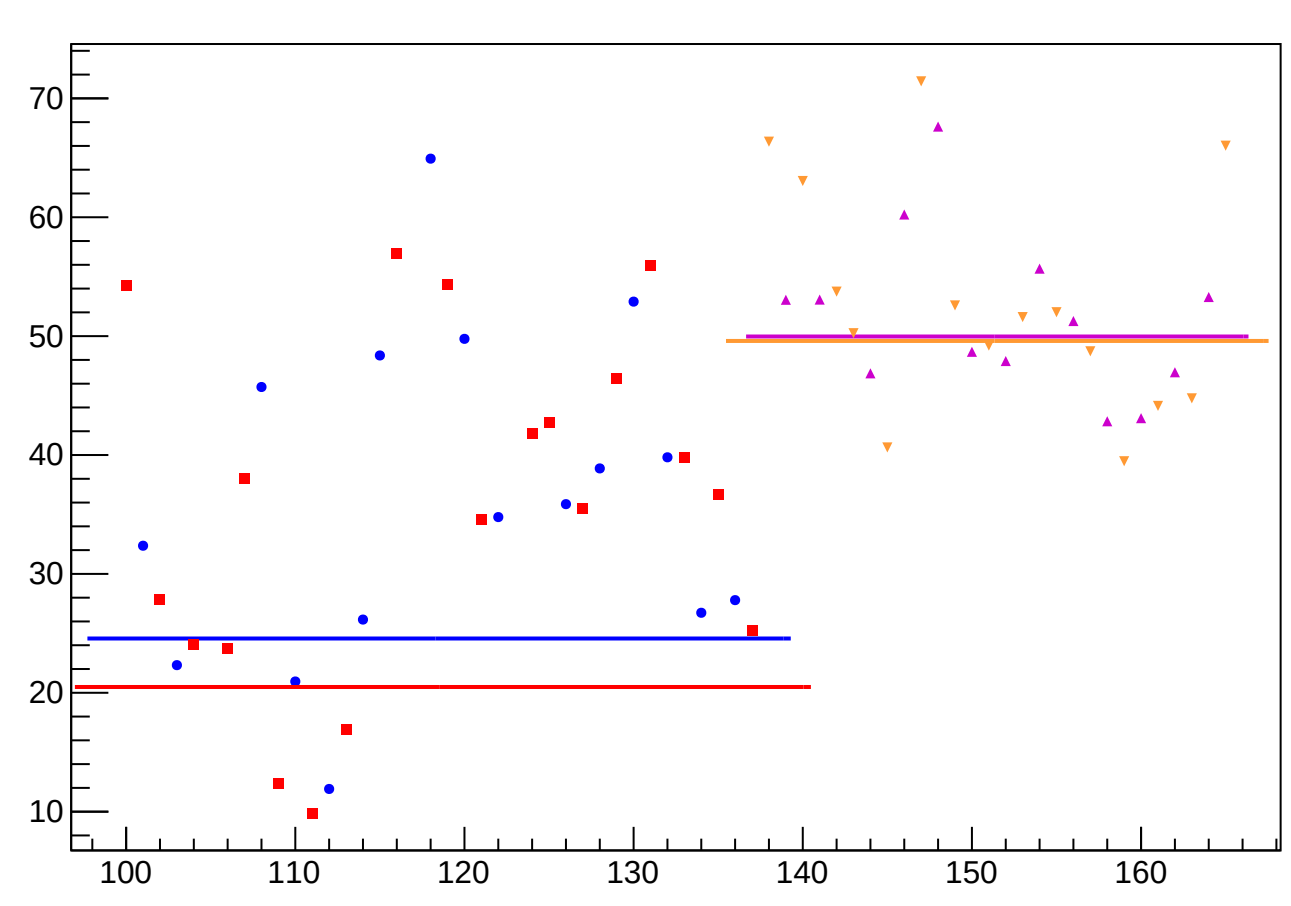
Left: 0.002+/-0.011 χ^2/NDF: 29.8/27

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.006+/-0.006 χ^2/NDF: 61.0/62



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645680.5/14

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

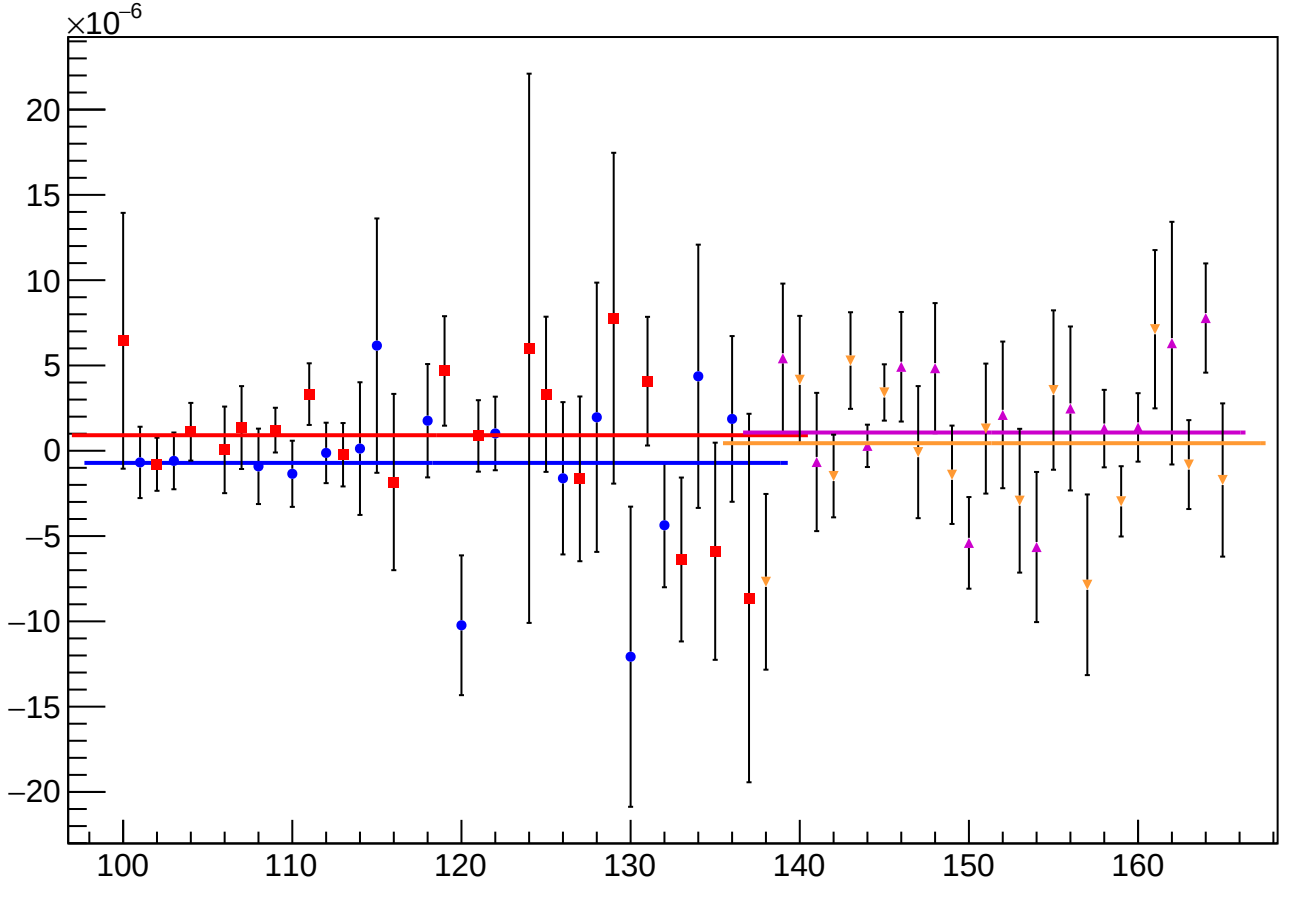
Left: 49.774+/-0.008 χ^2/NDF: 949064.8/27

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 32.707+/-0.006 χ^2/NDF:6477278.0/28

Out: 28.660+/-0.006 χ^2/NDF:9818304.9/33

All: 30.463+/-0.004 χ^2/NDF: 16534047.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/12

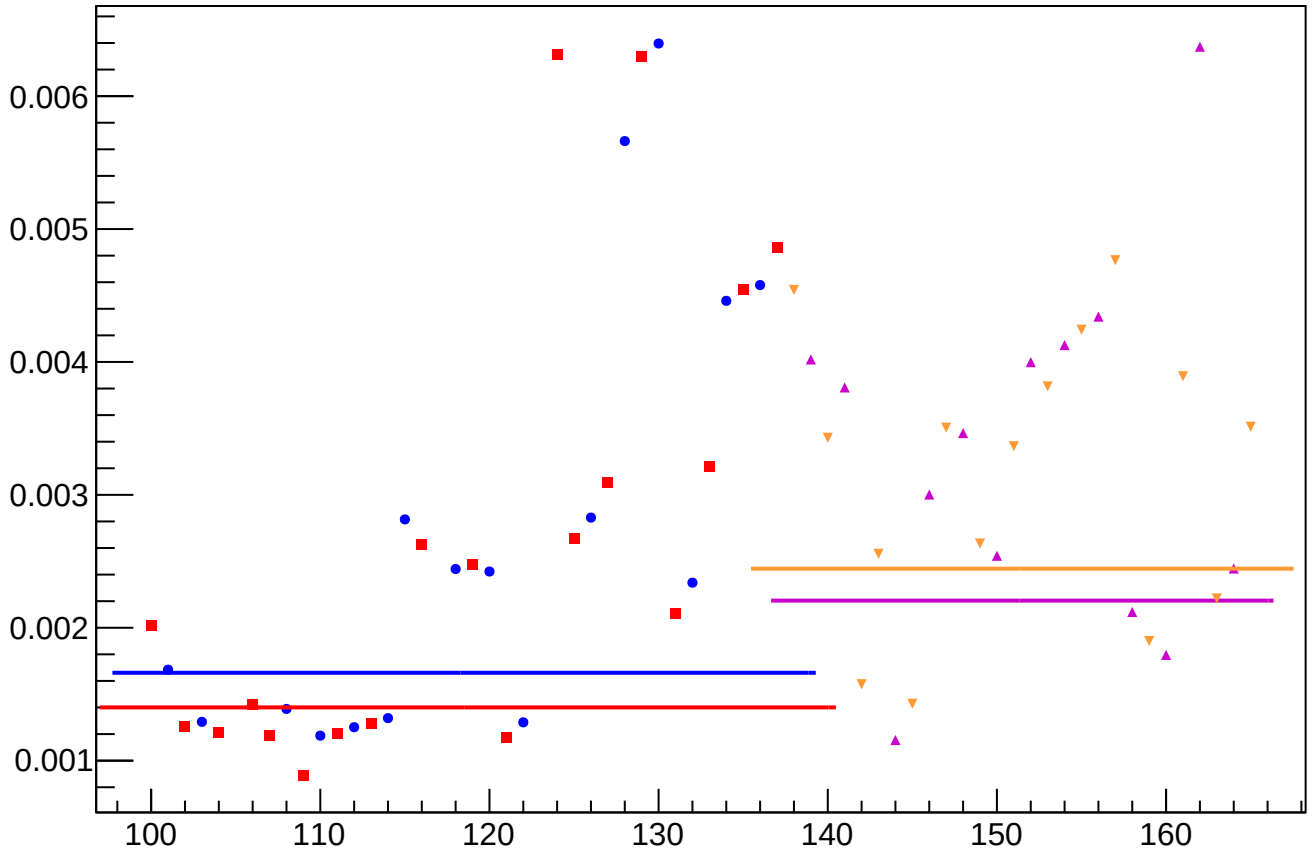
Left: 0.000+/-0.000 χ^2/NDF: 37.1/27

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:31.5/28

Out: 0.000+/-0.000 χ^2/NDF:31.7/33

All: 0.000+/-0.000 χ^2/NDF: 64.0/62



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3119044.2/14

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4367119.3/12

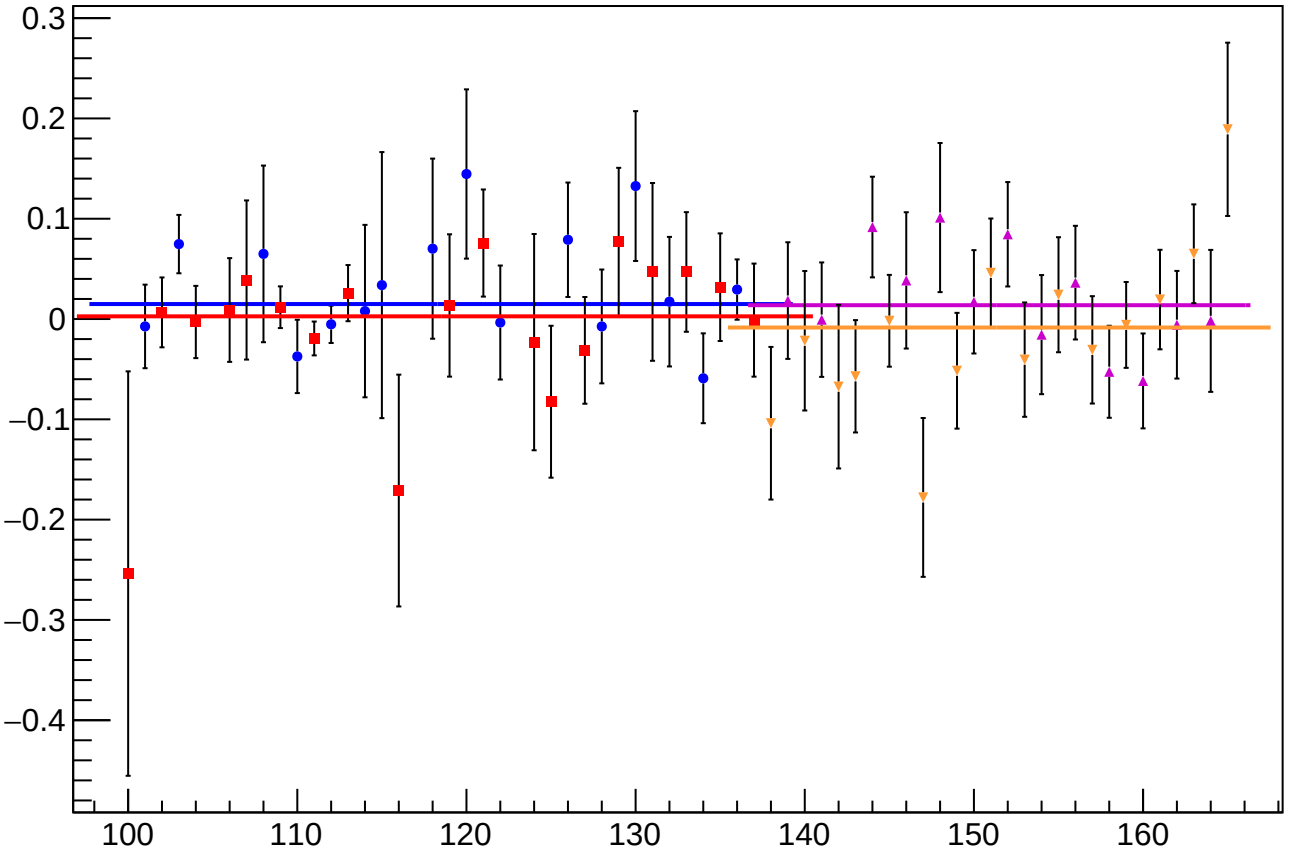
Left: 0.002+/-0.000 χ^2/NDF: 7584799.4/27

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7869285.7/28

Out: 0.002+/-0.000 χ^2/NDF:8320933.8/33

All: 0.002+/-0.000 χ^2/NDF: 16265949.7/62



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

Left: 0.002+/-0.011 χ^2/NDF: 29.8/27

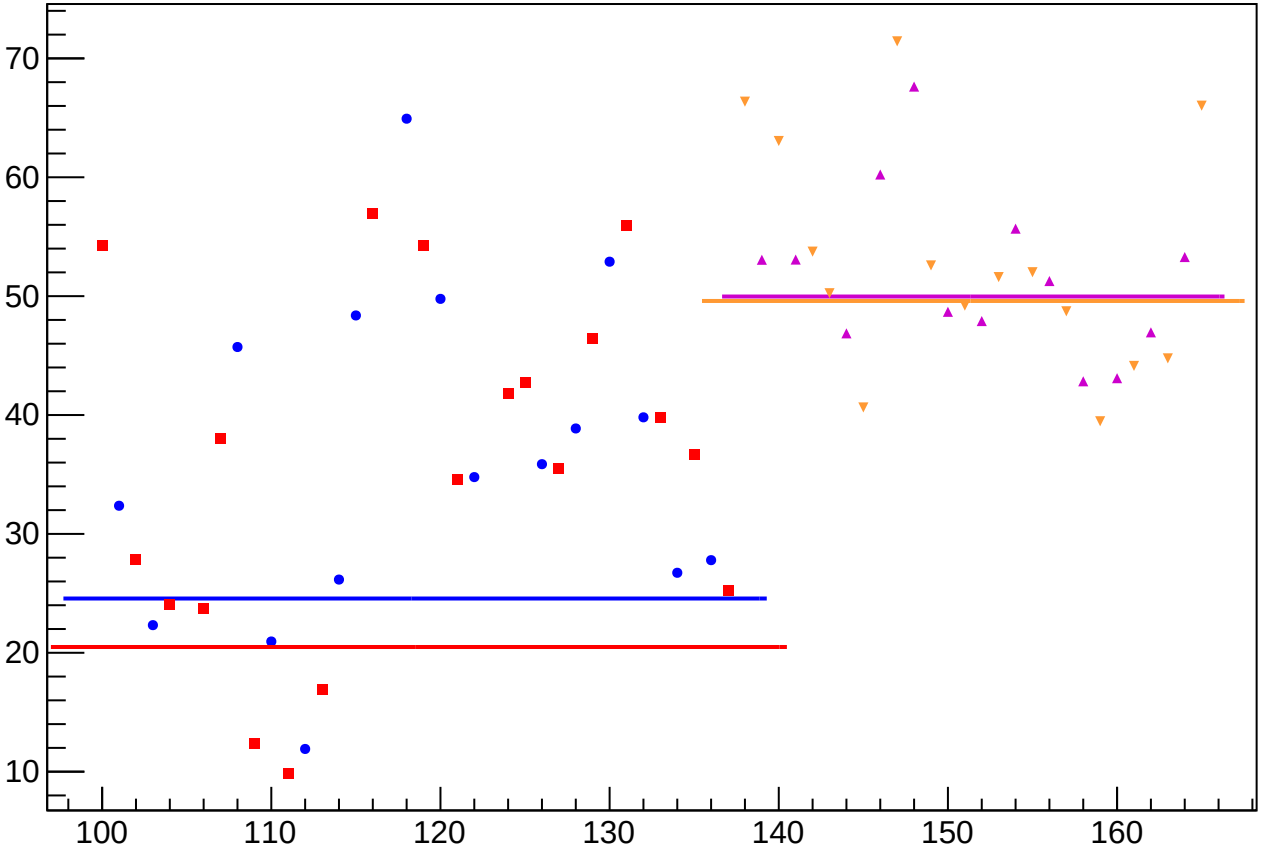
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.006+/-0.006 χ^2/NDF: 61.0/62

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645817.8/14

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

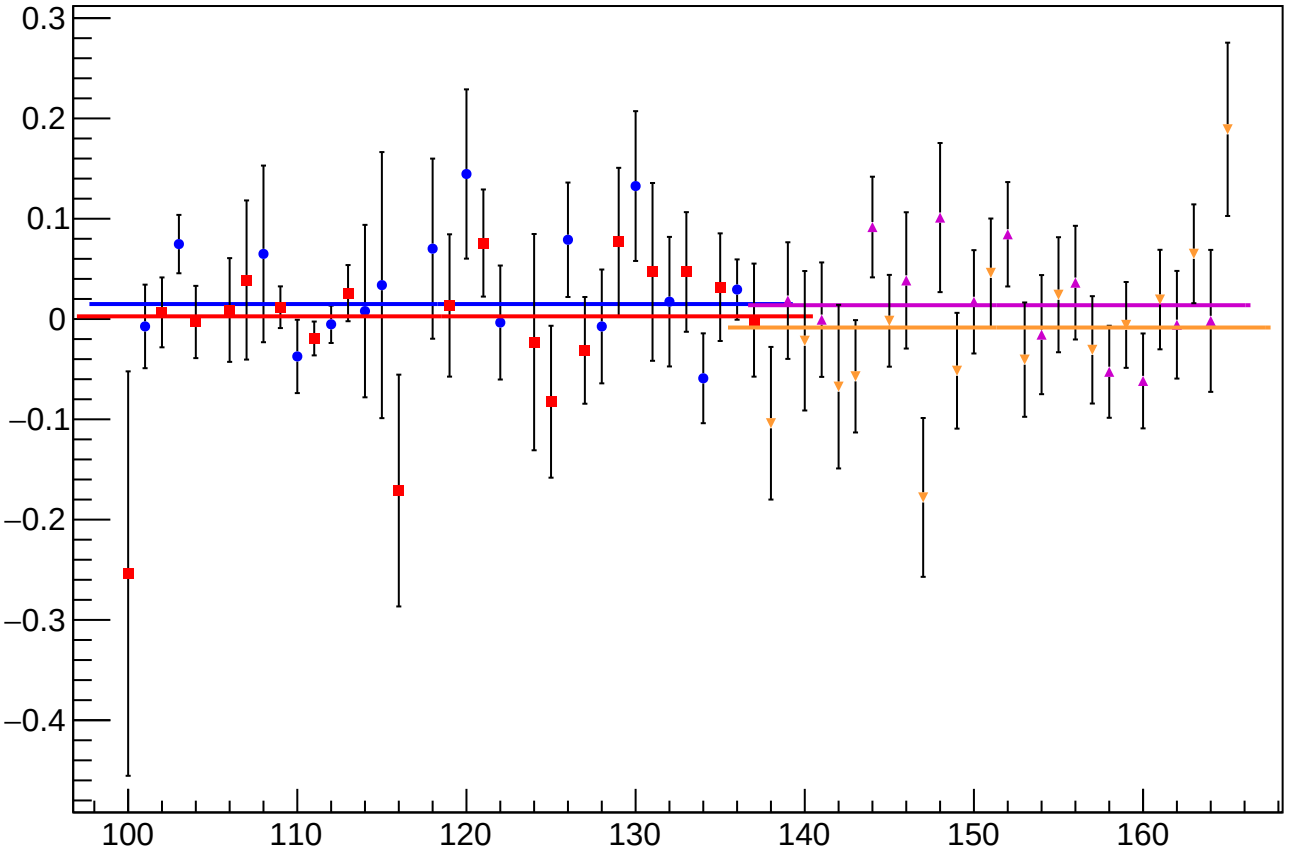
Left: 49.774+/-0.008 χ^2/NDF: 949303.2/27

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 32.706+/-0.006 χ^2/NDF:6477453.9/28

Out: 28.659+/-0.006 χ^2/NDF:9818644.4/33

All: 30.462+/-0.004 χ^2/NDF: 16534576.8/62



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

Left: 0.002+/-0.011 χ^2/NDF: 29.8/27

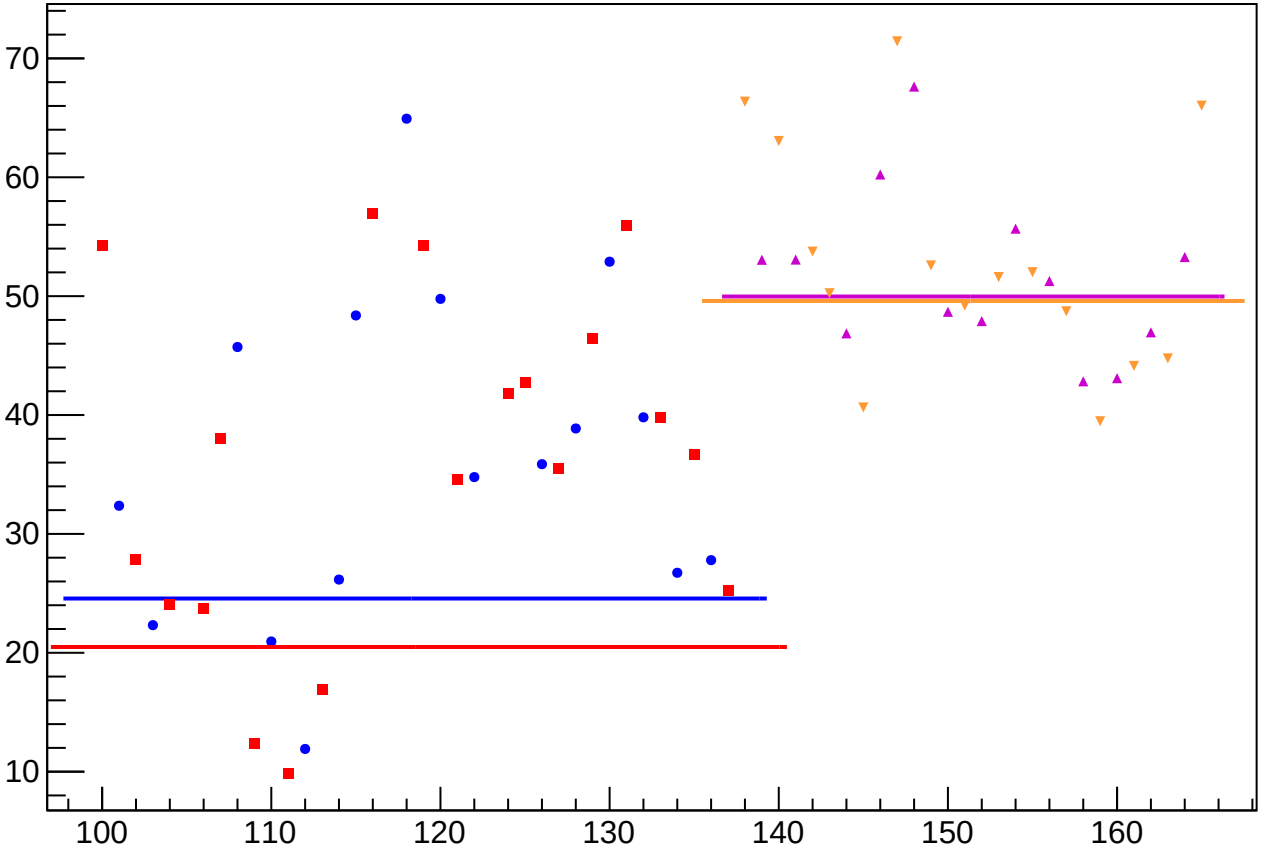
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.006+/-0.006 χ^2/NDF: 61.0/62

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: 49.595+/-0.010 χ^2/NDF:645817.8/14

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

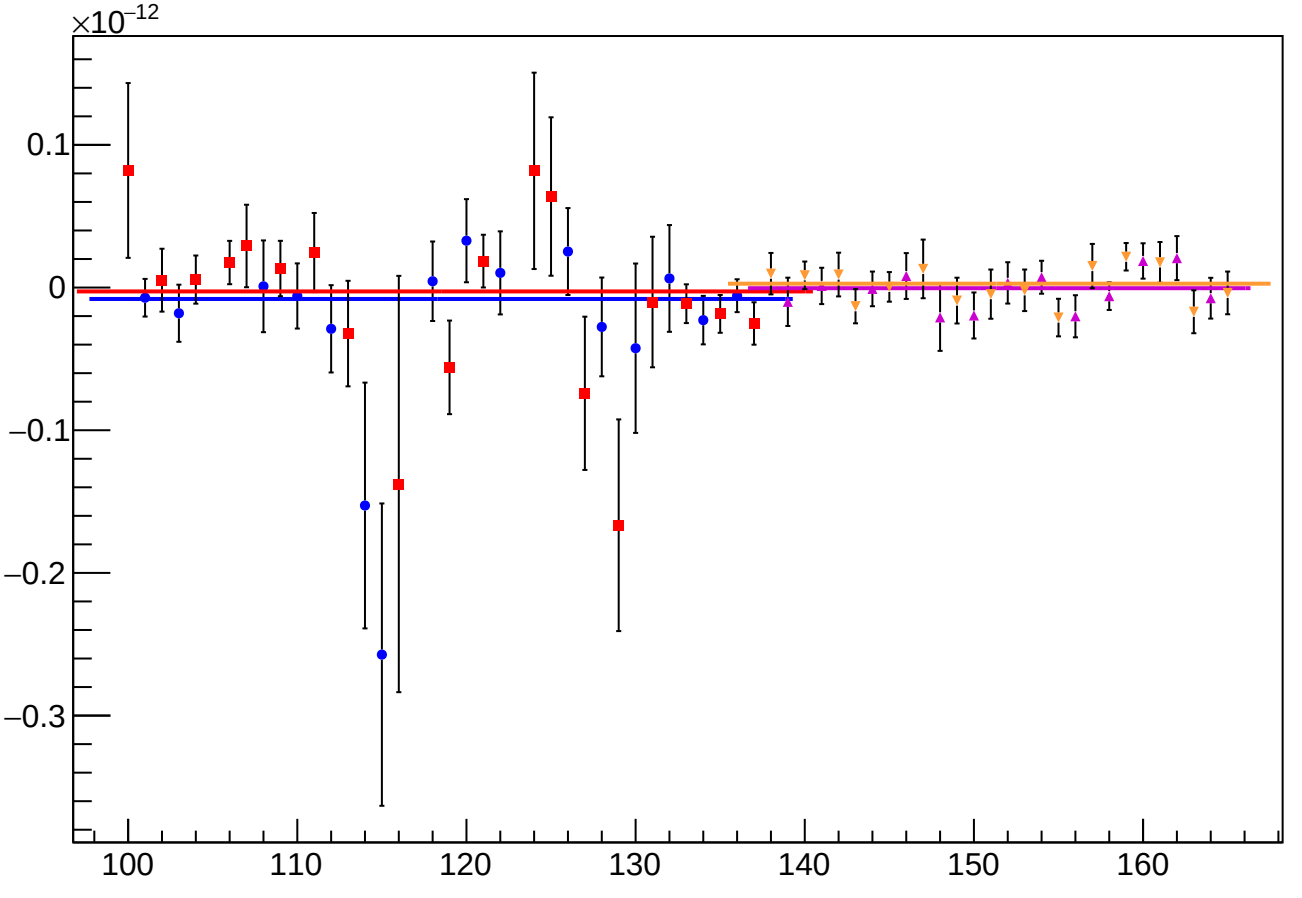
Left: 49.774+/-0.008 χ^2/NDF: 949303.2/27

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 32.706+/-0.006 χ^2/NDF:6477453.9/28

Out: 28.659+/-0.006 χ^2/NDF:9818644.4/33

All: 30.462+/-0.004 χ^2/NDF: 16534576.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

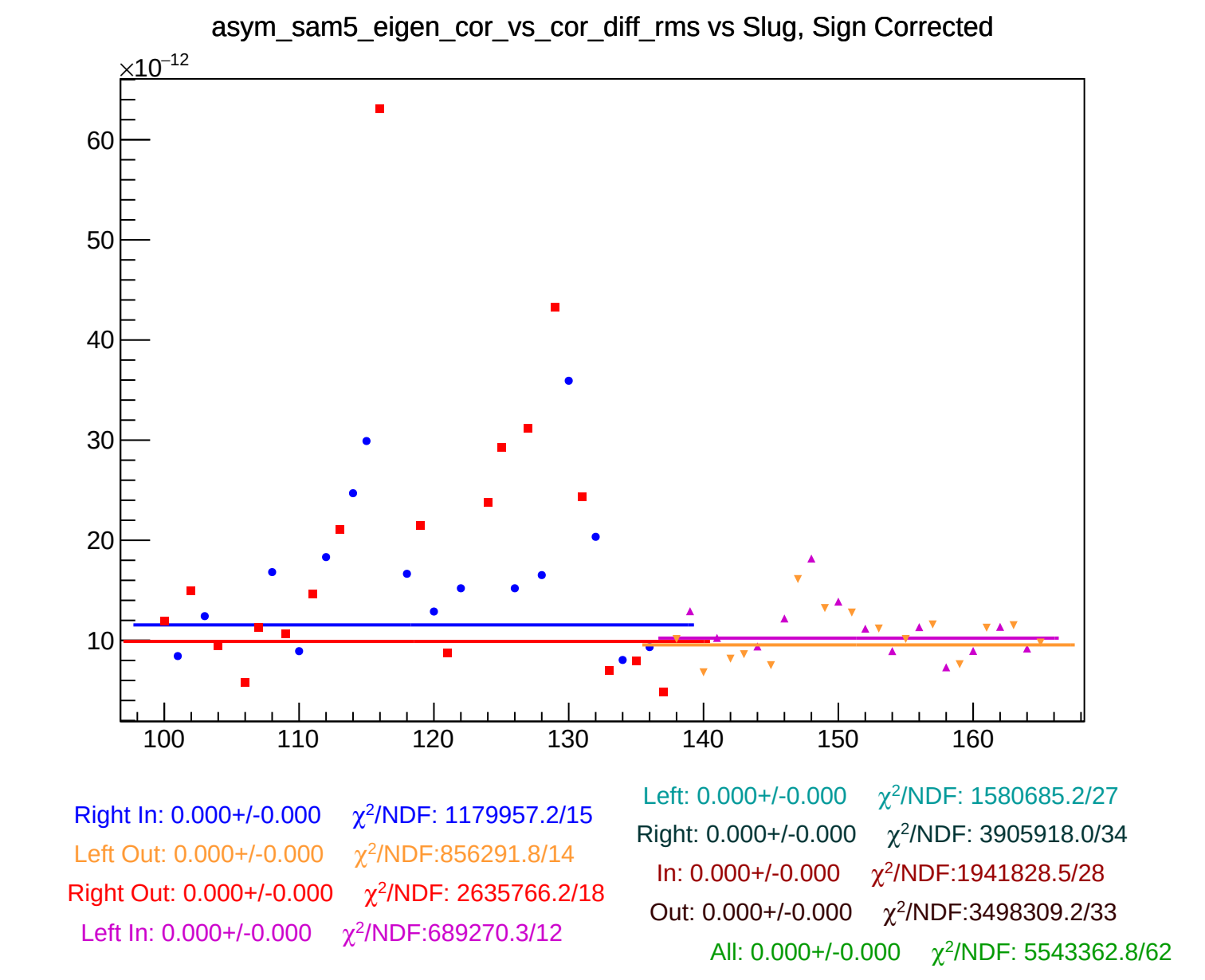
Left: 0.000+/-0.000 χ^2/NDF: 24.6/27

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

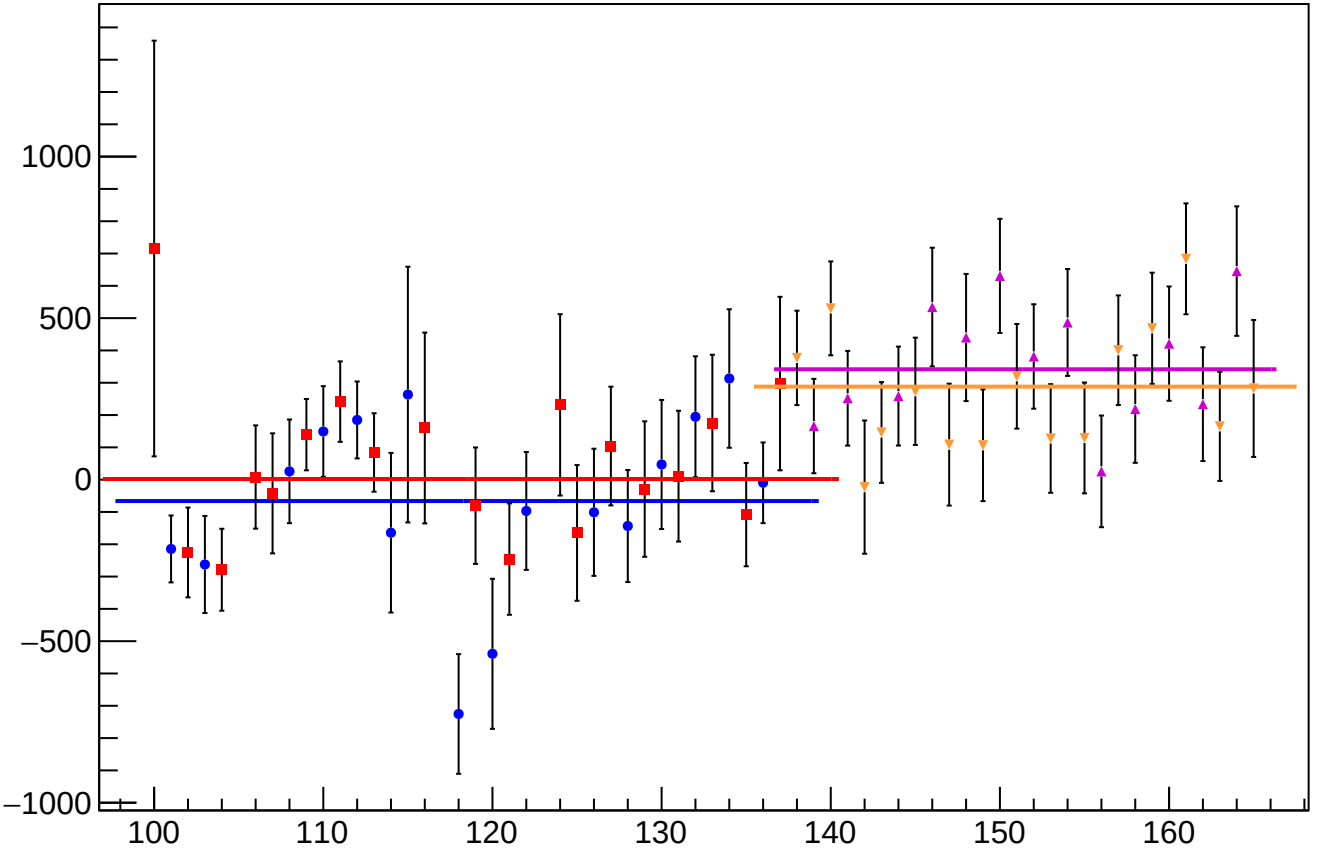
In: -0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:41.2/33

All: -0.000+/-0.000 χ^2/NDF: 67.6/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:856291.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:689270.3/12
Left: 0.000+/-0.000 χ²/NDF: 1580685.2/27
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1941828.5/28
Out: 0.000+/-0.000 χ²/NDF:3498309.2/33
All: 0.000+/-0.000 χ²/NDF: 5543362.8/62

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.953+/-43.688 χ^2/NDF:17.5/14

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 341.647+/-46.781 χ^2/NDF:13.7/12

Left: 312.966+/-31.929 χ^2/NDF: 31.9/27

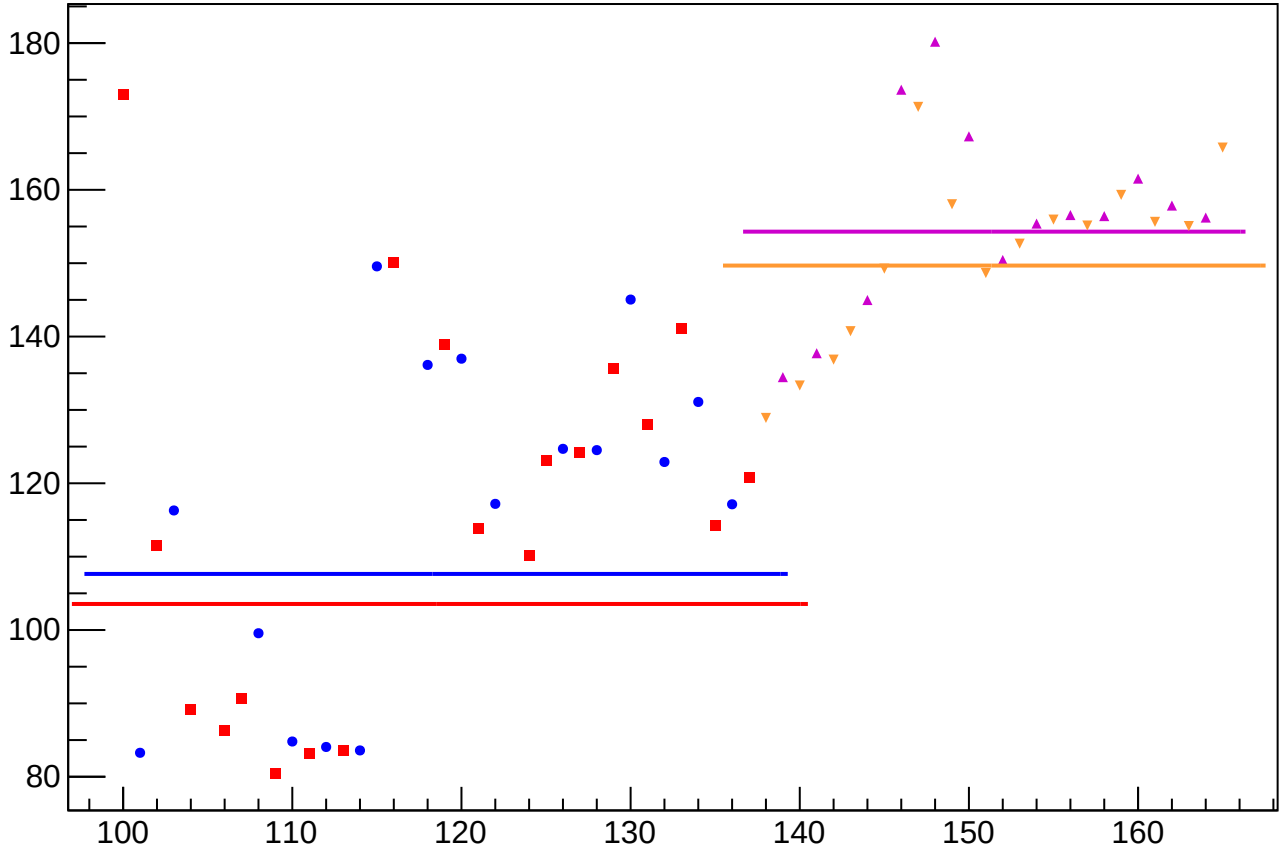
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 110.657+/-30.807 χ^2/NDF:91.2/28

Out: 128.343+/-29.038 χ^2/NDF:62.5/33

All: 120.022+/-21.131 χ^2/NDF: 153.9/62

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

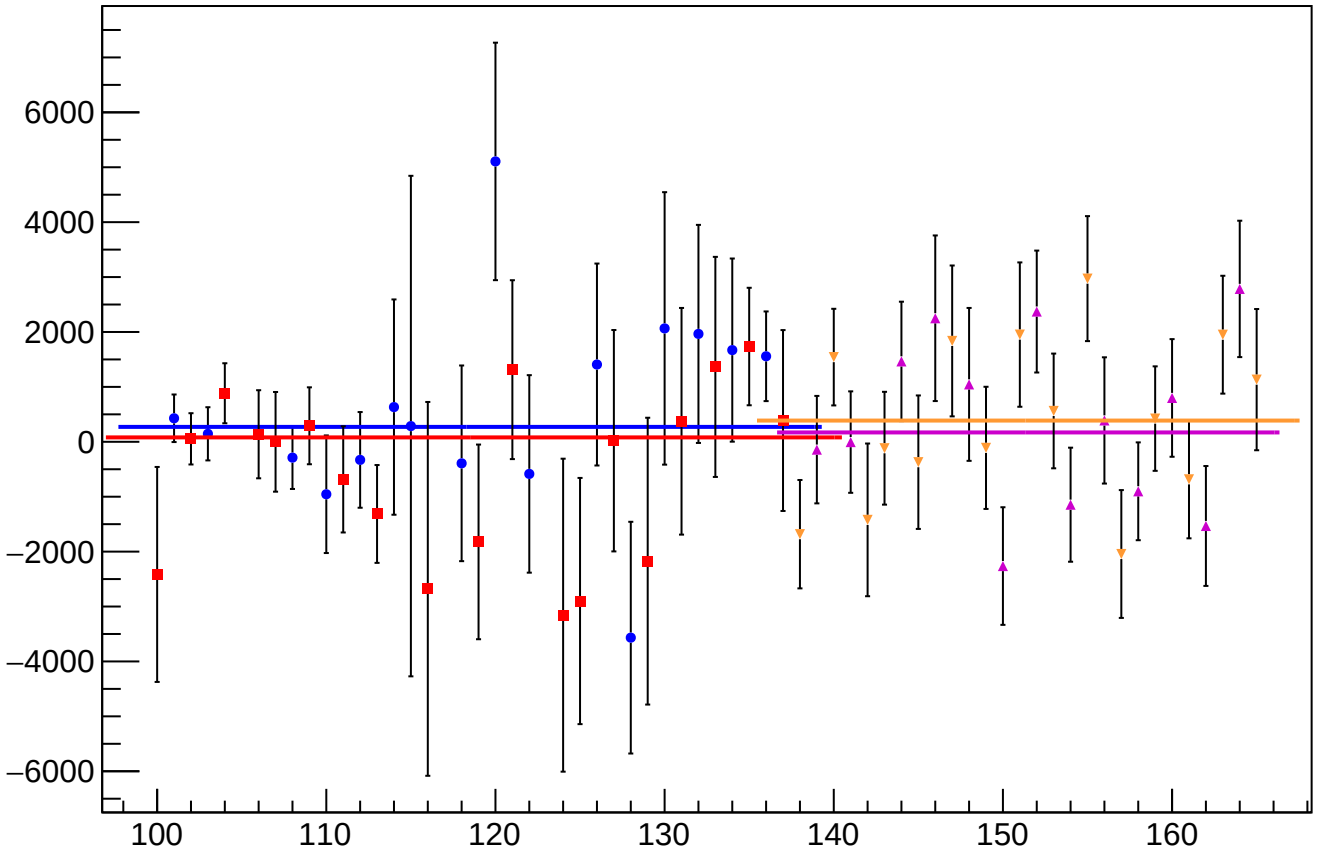
Left: 151.830+/-0.023 χ^2/NDF: 292735.7/27

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 127.877+/-0.022 χ^2/NDF:1803056.3/28

Out: 123.928+/-0.021 χ^2/NDF:2000535.9/33

All: 125.786+/-0.015 χ^2/NDF: 3820993.7/62



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 386.675+/-285.749 χ^2/NDF:24.2/14

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 170.429+/-301.468 χ^2/NDF:23.2/12

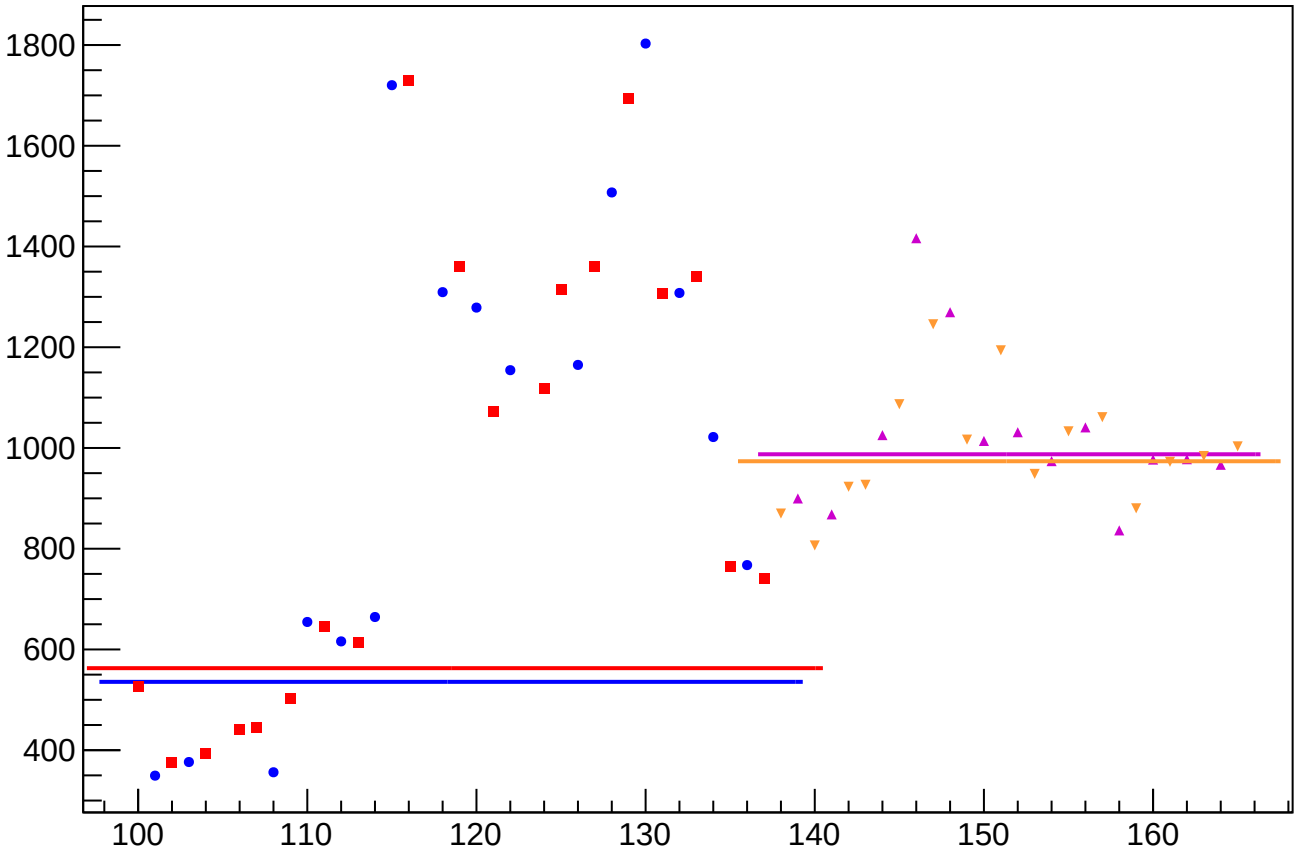
Left: 284.337+/-207.390 χ^2/NDF: 47.7/27

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 234.182+/-183.191 χ^2/NDF:39.8/28

Out: 201.995+/-180.184 χ^2/NDF:40.9/33

All: 217.822+/-128.459 χ^2/NDF: 80.7/62



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 973.641+/-0.202 χ^2/NDF:294401.8/14

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 987.503+/-0.213 χ^2/NDF:363258.2/12

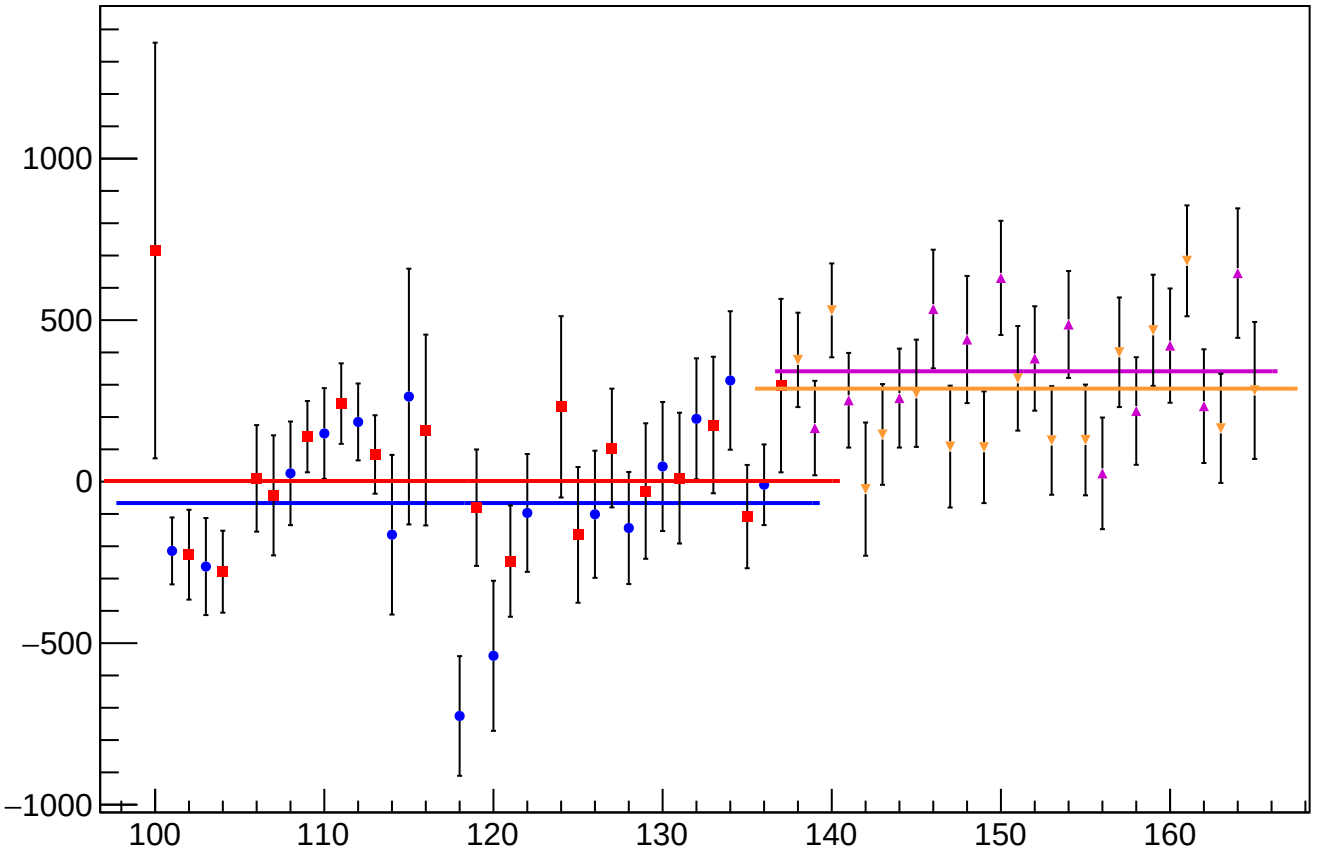
Left: 980.201+/-0.147 χ^2/NDF: 659887.2/27

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 702.519+/-0.130 χ^2/NDF:6829199.7/28

Out: 726.182+/-0.127 χ^2/NDF:5895371.8/33

All: 714.547+/-0.091 χ^2/NDF: 12741532.7/62



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.949+/-43.688 χ^2/NDF:17.5/14

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 341.651+/-46.781 χ^2/NDF:13.7/12

Left: 312.966+/-31.929 χ^2/NDF: 31.9/27

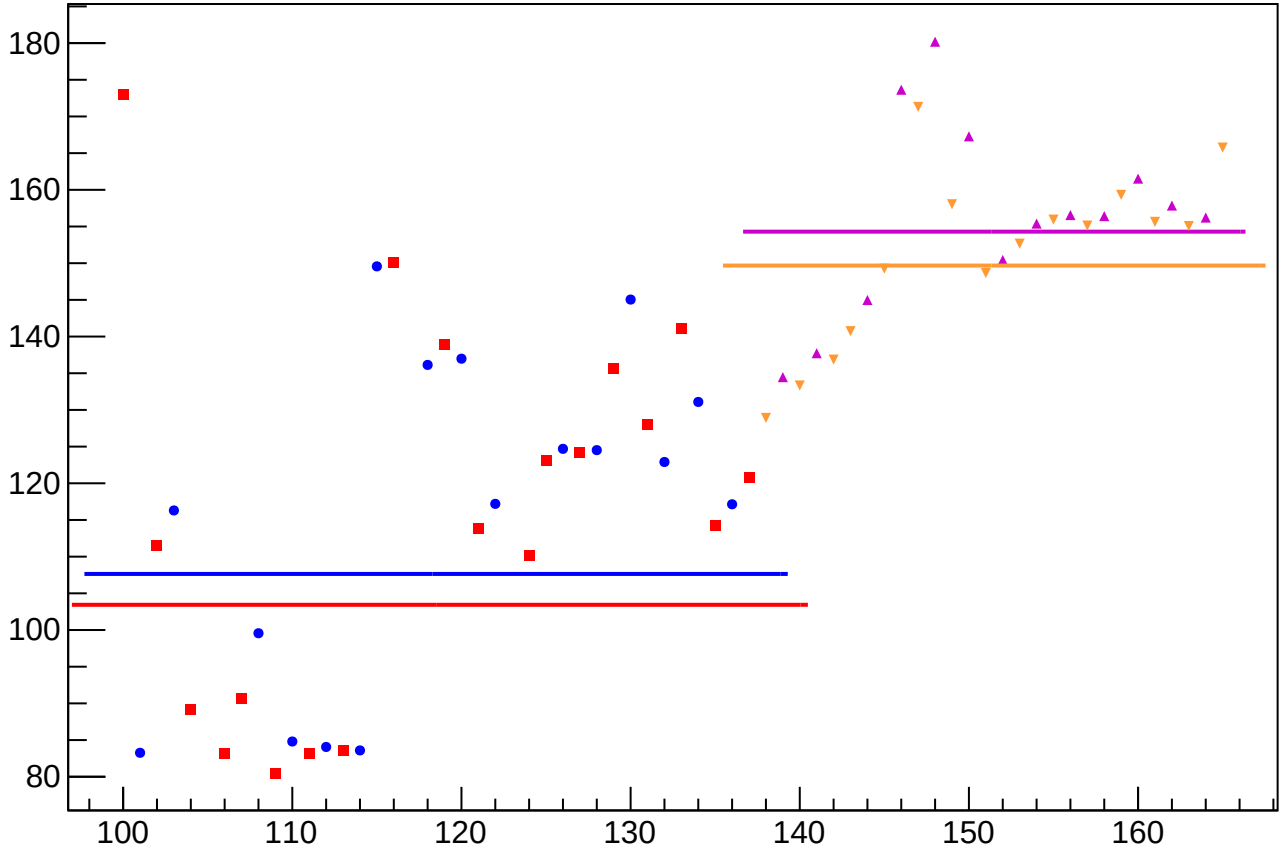
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 110.644+/-30.807 χ^2/NDF:91.2/28

Out: 128.621+/-29.067 χ^2/NDF:62.5/33

All: 120.154+/-21.142 χ^2/NDF: 153.8/62

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

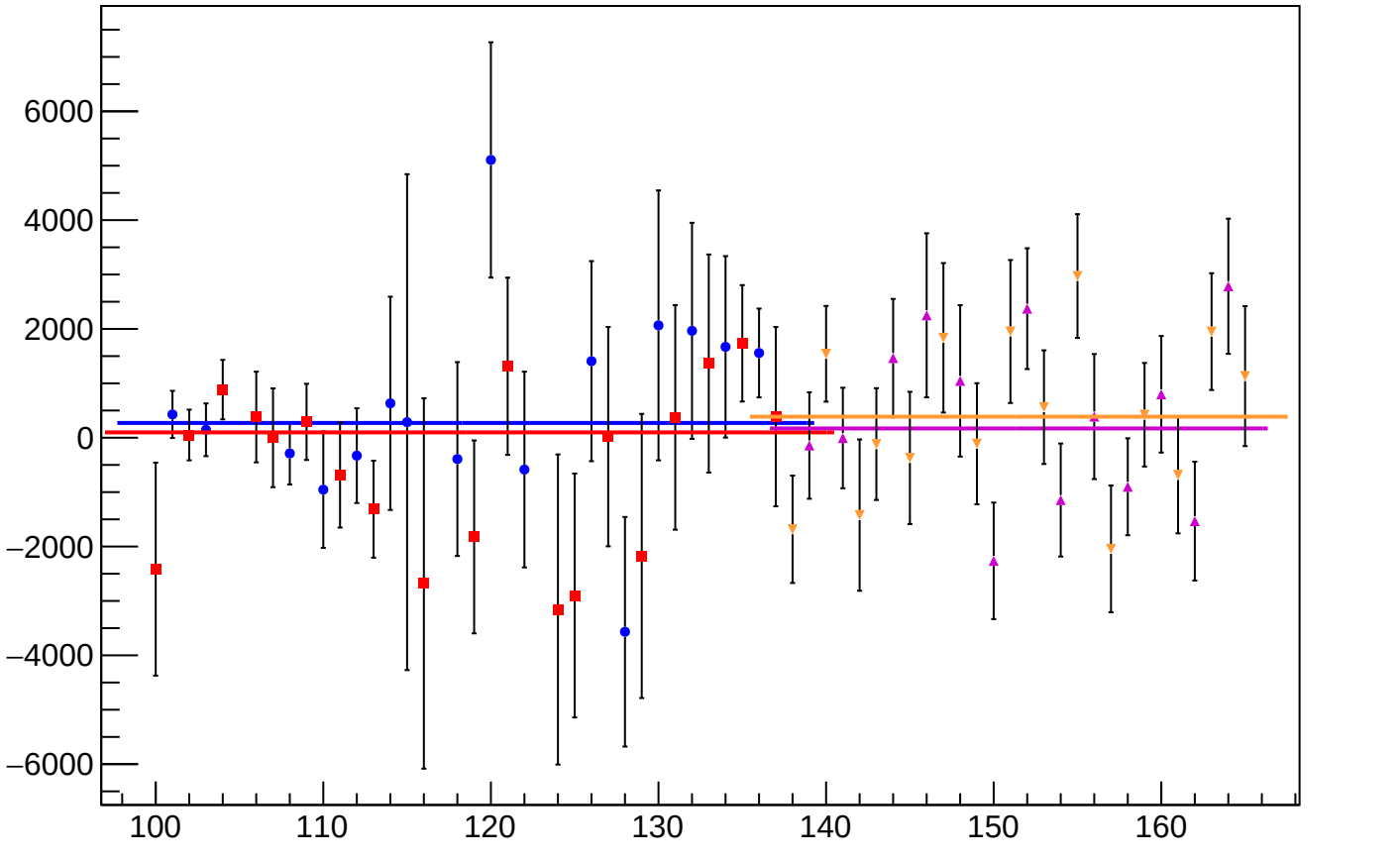
Left: 151.830+/-0.023 χ^2/NDF: 292735.7/27

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 127.877+/-0.022 χ^2/NDF:1803054.6/28

Out: 123.907+/-0.021 χ^2/NDF:2012002.1/33

All: 125.777+/-0.015 χ^2/NDF: 3832631.2/62



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 386.679+/-285.750 χ^2/NDF:24.2/14

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 170.428+/-301.468 χ^2/NDF:23.2/12

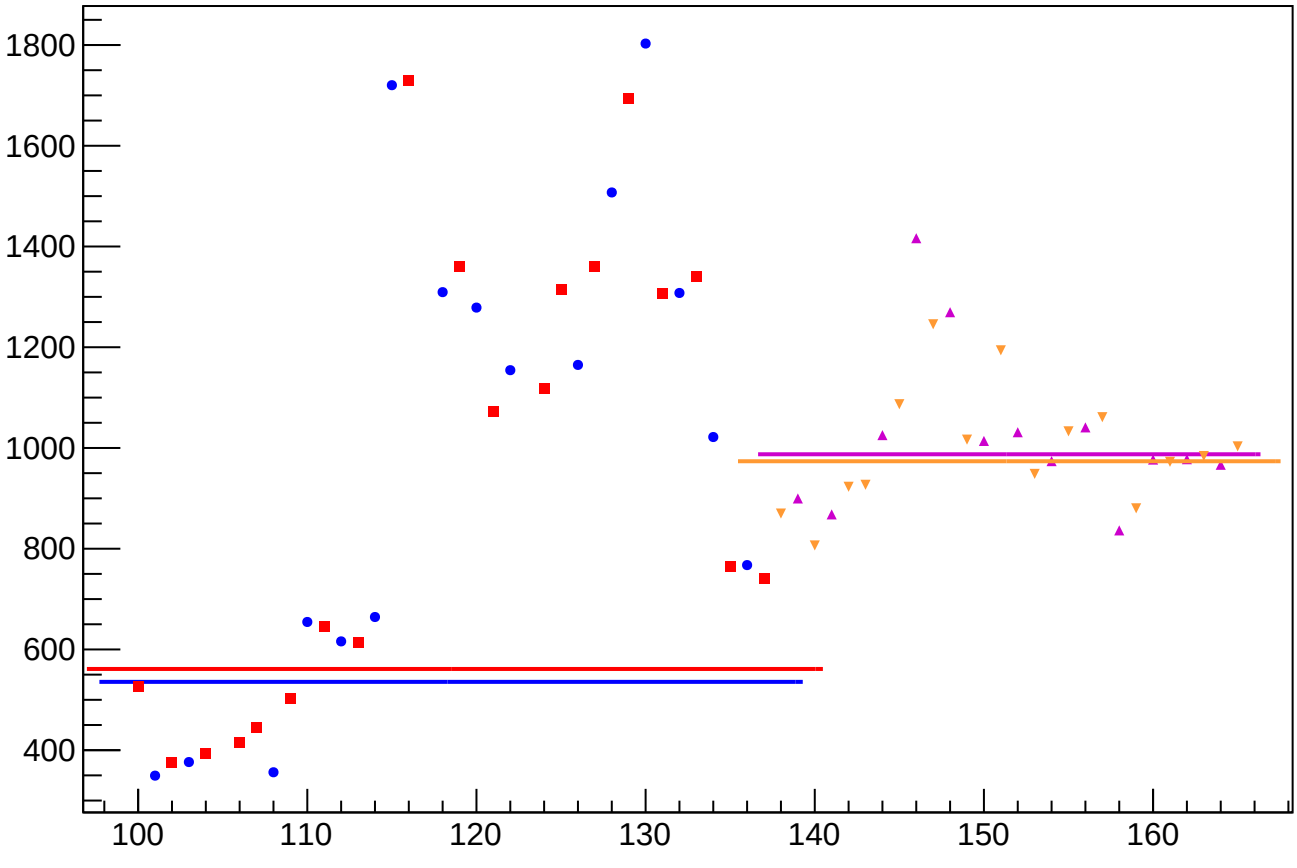
Left: 284.338+/-207.390 χ^2/NDF: 47.7/27

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 234.272+/-183.188 χ^2/NDF:39.8/28

Out: 213.063+/-180.476 χ^2/NDF:40.9/33

All: 223.509+/-128.564 χ^2/NDF: 80.7/62



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 973.642+/-0.202 χ^2/NDF:294402.2/14

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

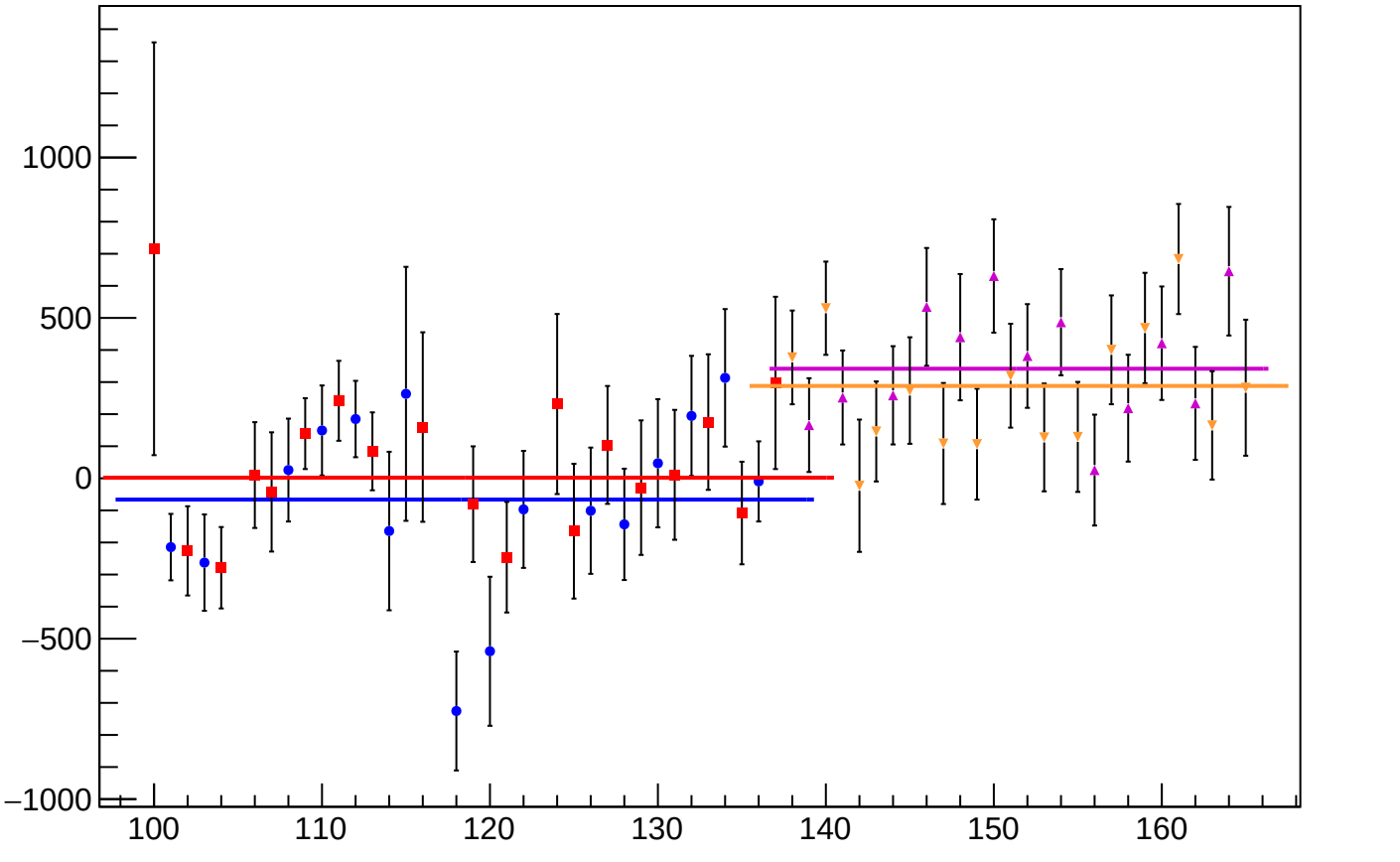
Left: 980.202+/-0.147 χ^2/NDF: 659887.0/27

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 702.499+/-0.130 χ^2/NDF:6829740.6/28

Out: 725.766+/-0.128 χ^2/NDF:5928855.8/33

All: 714.306+/-0.091 χ^2/NDF: 12774968.9/62



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.949+/-43.688 χ^2/NDF:17.5/14

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 341.651+/-46.781 χ^2/NDF:13.7/12

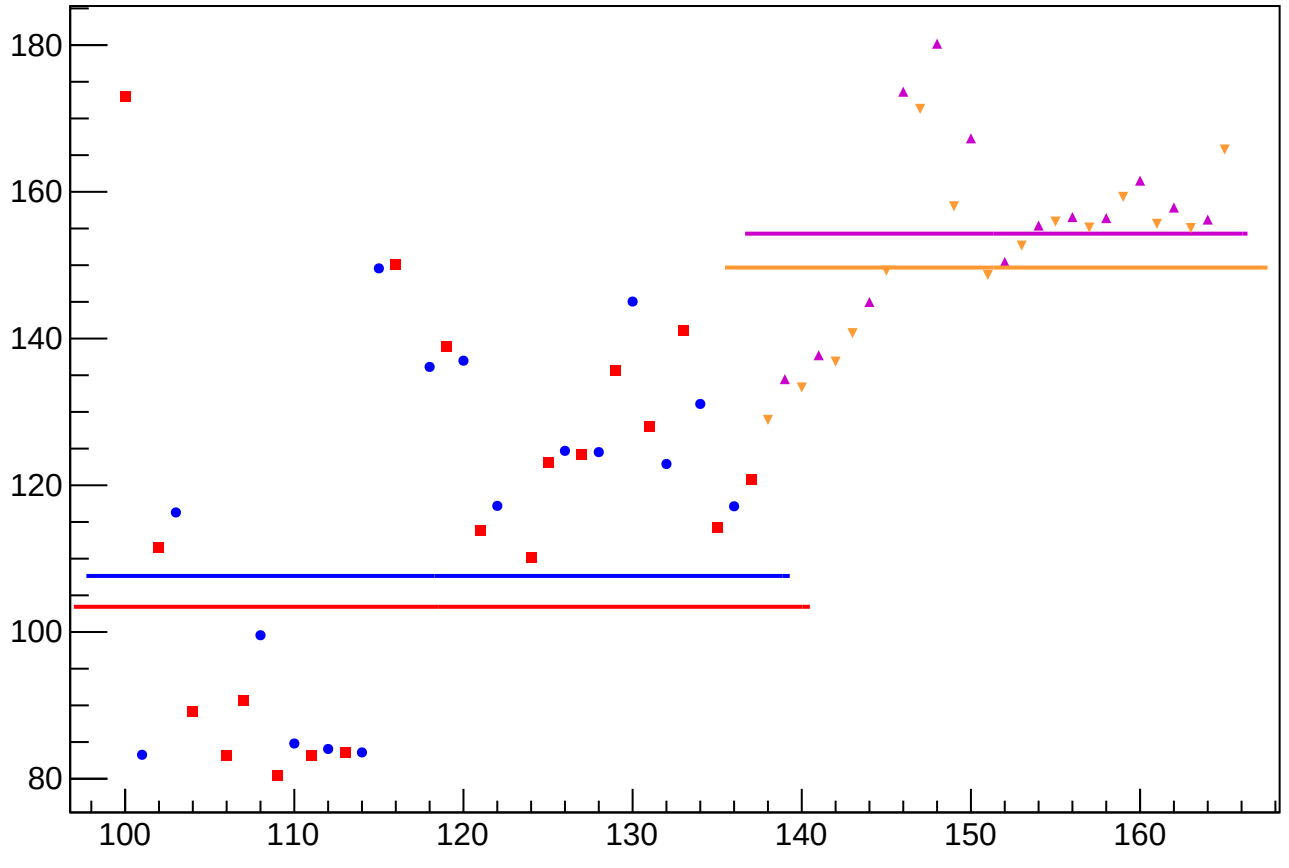
Left: 312.966+/-31.929 χ^2/NDF: 31.9/27

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 110.644+/-30.807 χ^2/NDF:91.2/28

Out: 128.621+/-29.067 χ^2/NDF:62.5/33

All: 120.154+/-21.142 χ^2/NDF: 153.8/62



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

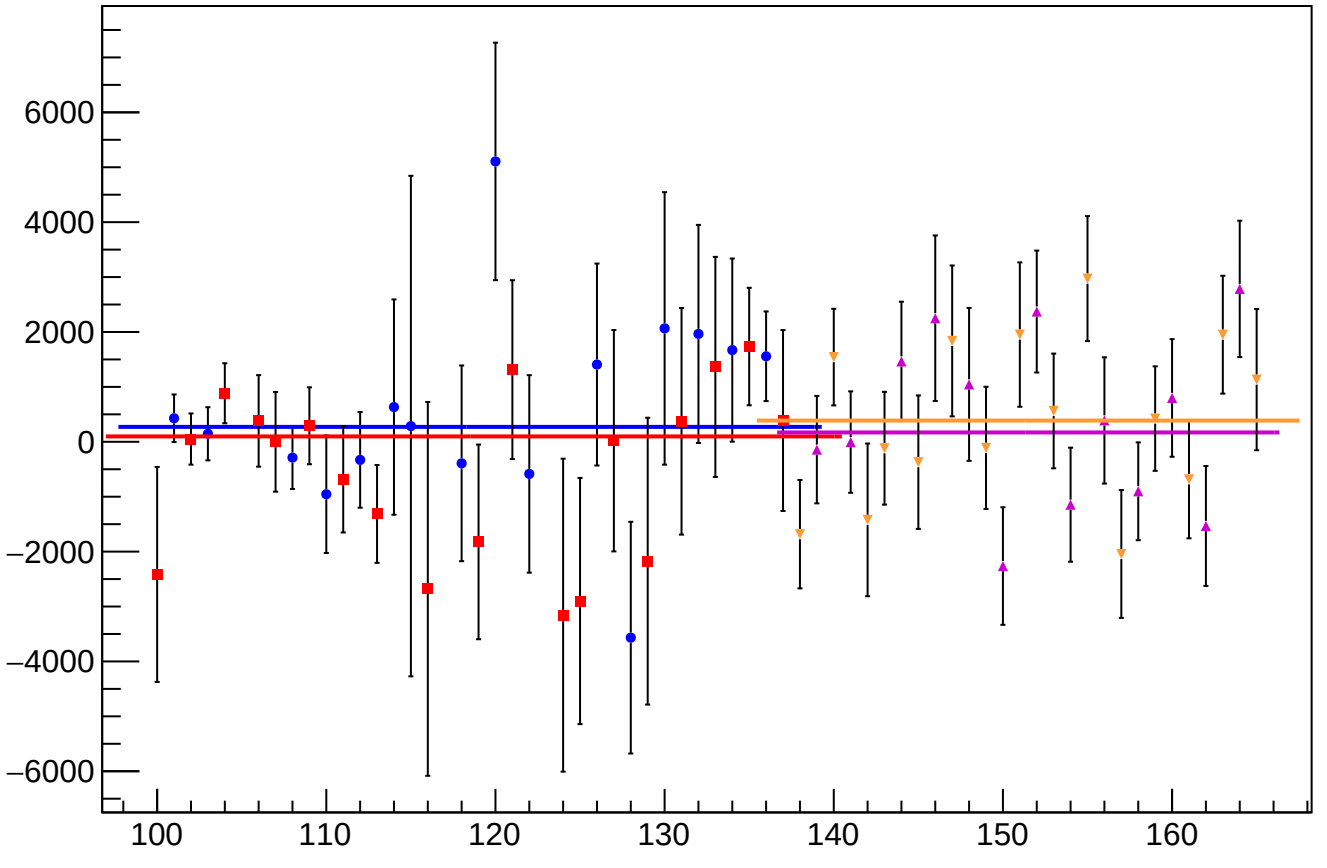
Left: 151.830+/-0.023 χ^2/NDF: 292735.7/27

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 127.877+/-0.022 χ^2/NDF:1803054.6/28

Out: 123.907+/-0.021 χ^2/NDF:2012002.1/33

All: 125.777+/-0.015 χ^2/NDF: 3832631.2/62



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 386.679+/-285.750 χ^2/NDF:24.2/14

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 170.428+/-301.468 χ^2/NDF:23.2/12

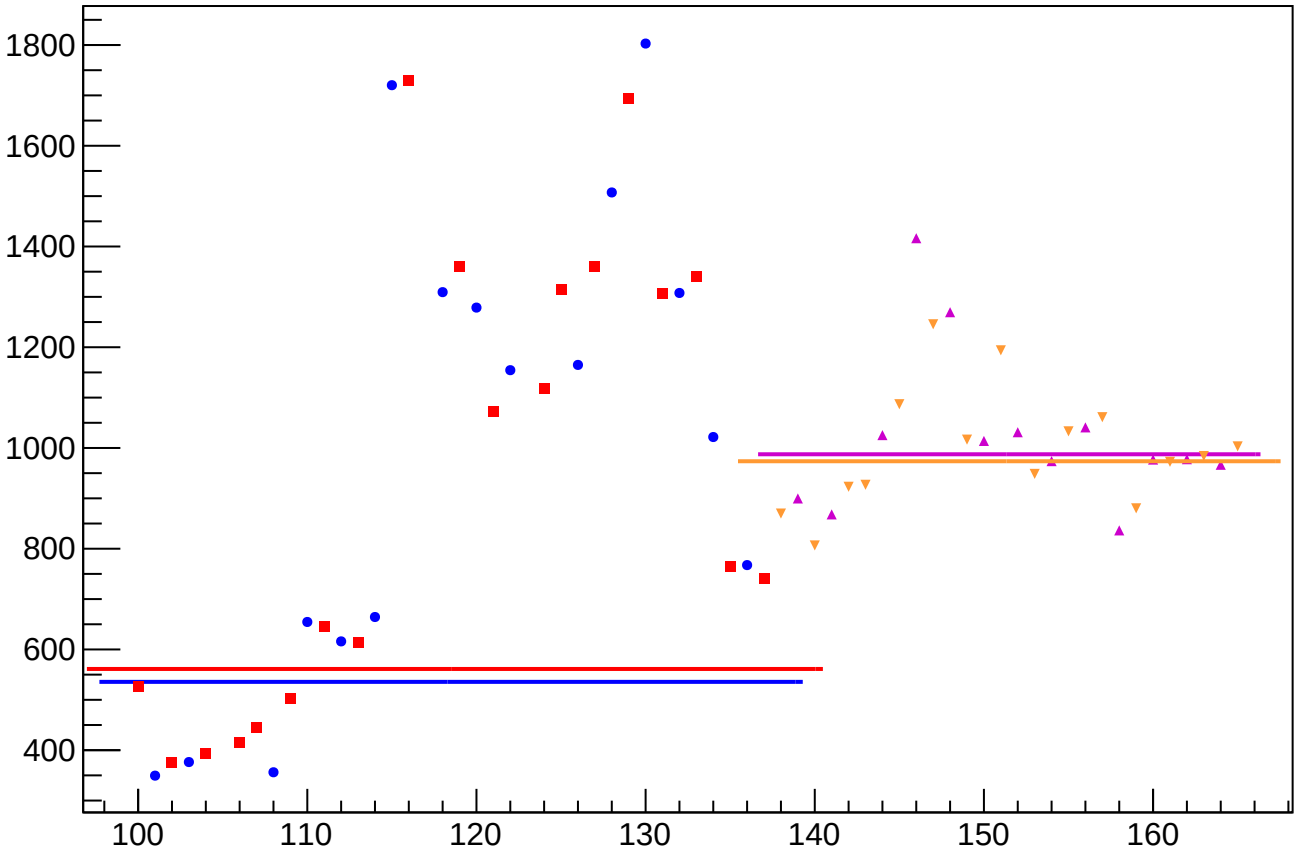
Left: 284.338+/-207.390 χ^2/NDF: 47.7/27

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 234.272+/-183.188 χ^2/NDF:39.8/28

Out: 213.063+/-180.476 χ^2/NDF:40.9/33

All: 223.509+/-128.564 χ^2/NDF: 80.7/62



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 973.642+/-0.202 χ^2/NDF:294402.2/14

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

Left: 980.202+/-0.147 χ^2/NDF: 659887.0/27

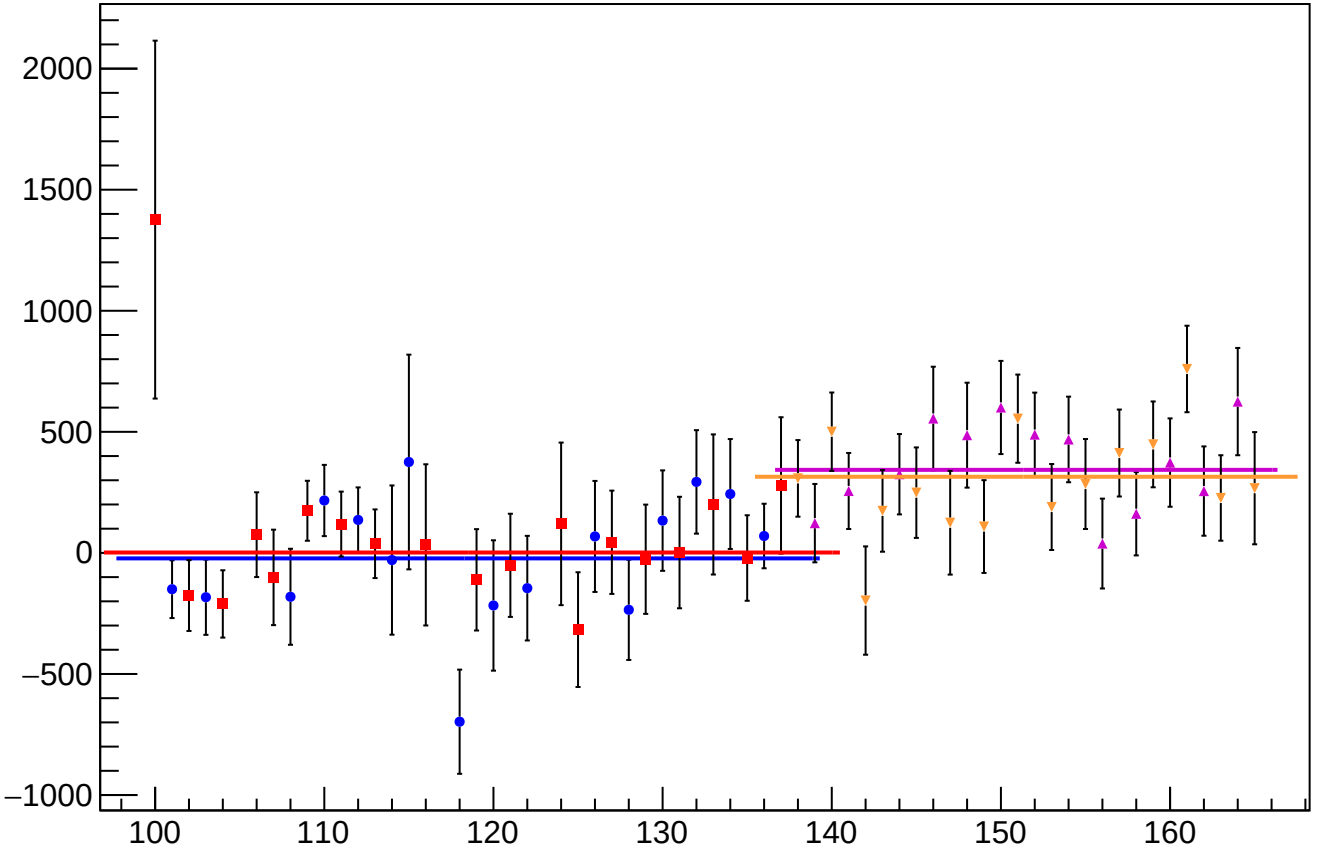
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 702.499+/-0.130 χ^2/NDF:6829740.6/28

Out: 725.766+/-0.128 χ^2/NDF:5928855.8/33

All: 714.306+/-0.091 χ^2/NDF: 12774968.9/62

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.478+/-47.316 χ^2/NDF:18.9/14

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 343.010+/-50.438 χ^2/NDF:12.3/12

Left: 327.834+/-34.508 χ^2/NDF: 31.4/27

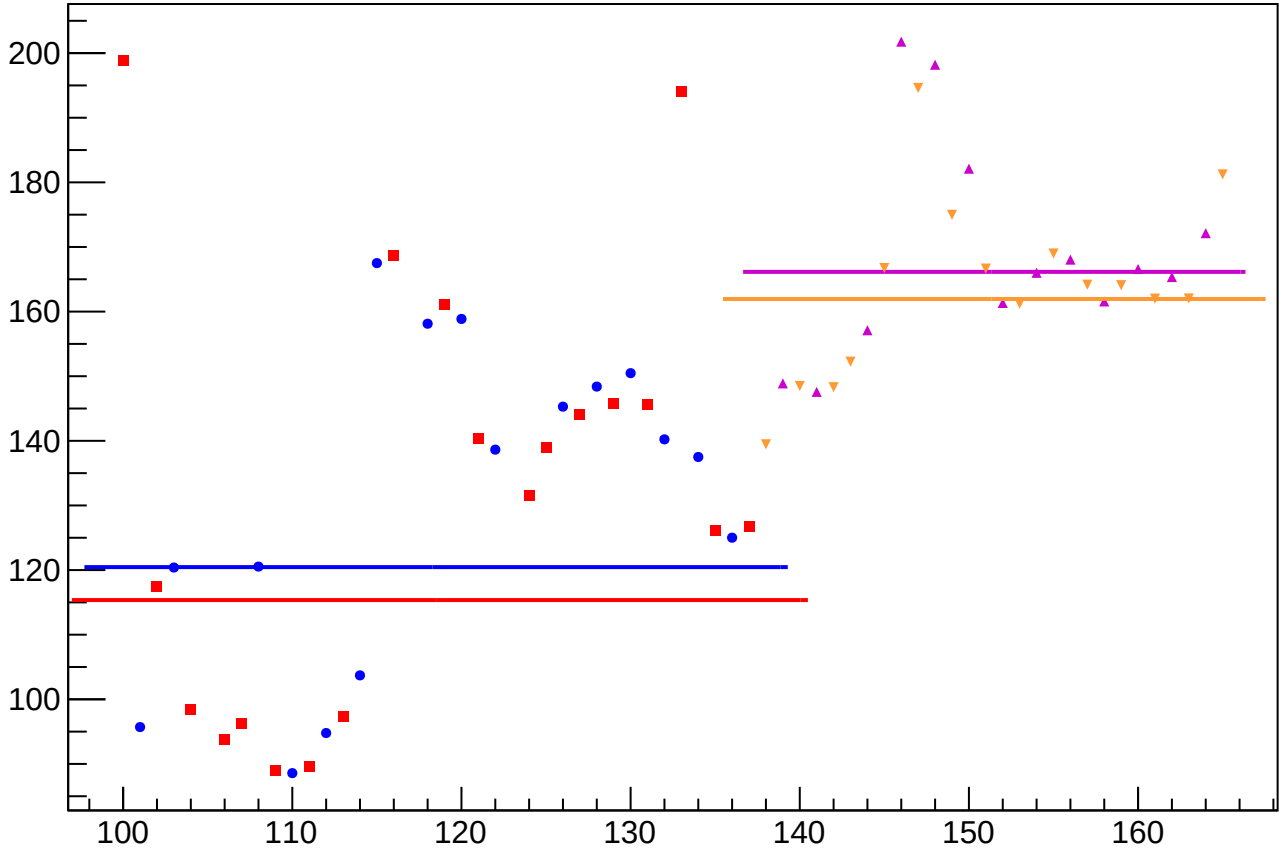
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 143.012+/-33.951 χ^2/NDF:65.2/28

Out: 145.139+/-32.049 χ^2/NDF:56.9/33

All: 144.137+/-23.305 χ^2/NDF: 122.1/62

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.953+/-0.033 χ^2/NDF:144007.1/14

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.149+/-0.036 χ^2/NDF:174264.1/12

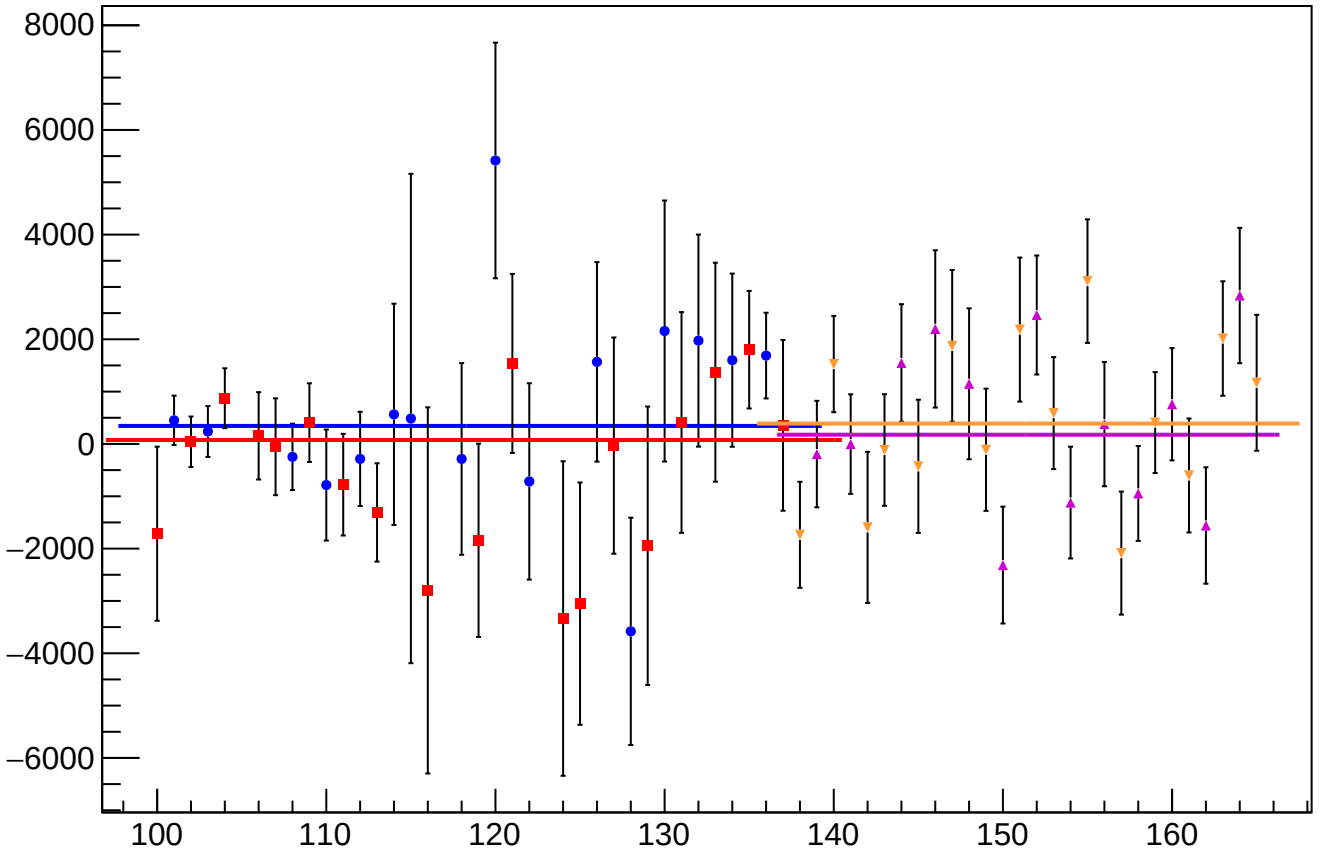
Left: 163.917+/-0.024 χ^2/NDF: 325632.6/27

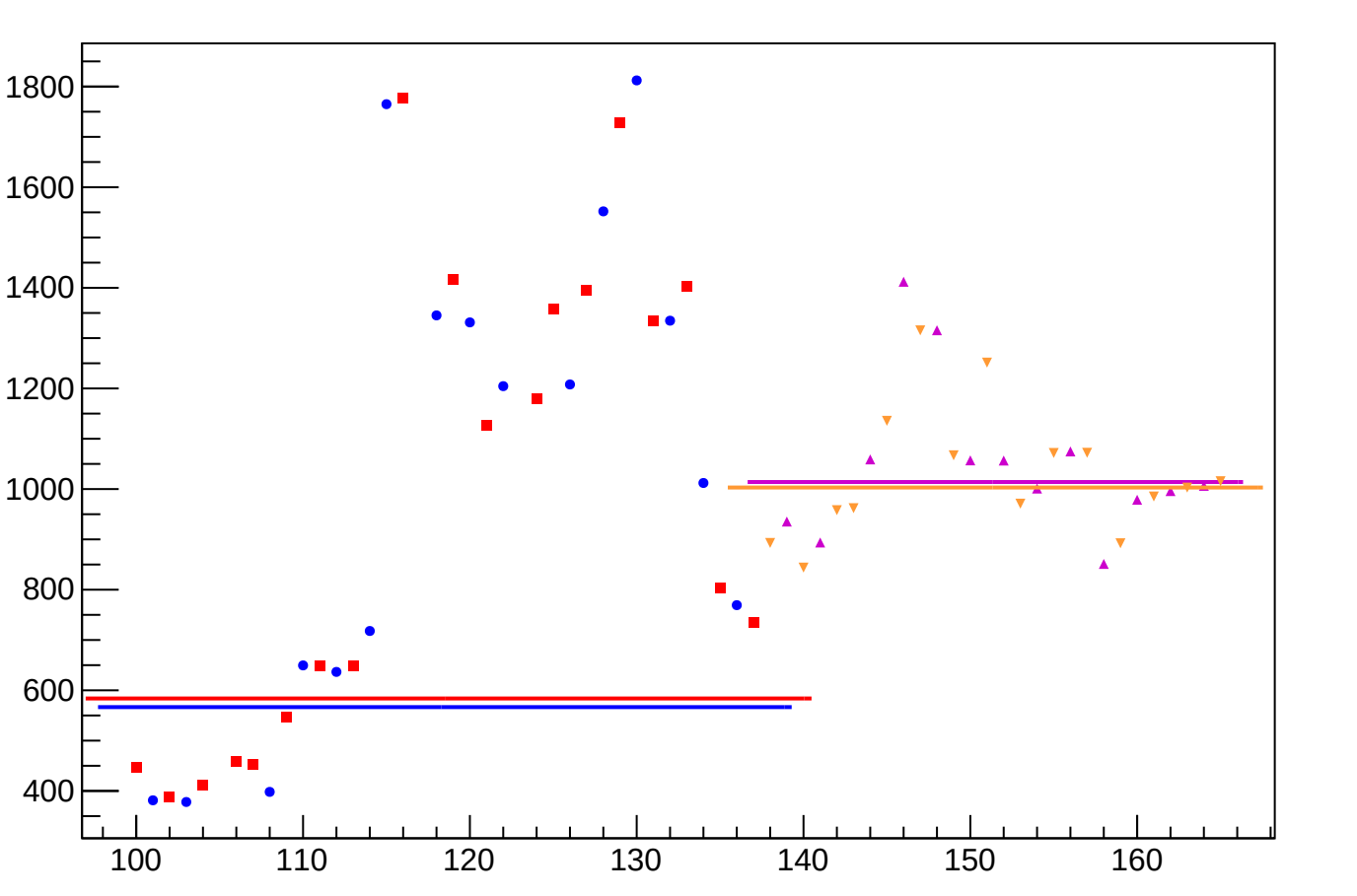
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 141.160+/-0.024 χ^2/NDF:1602201.8/28

Out: 136.734+/-0.023 χ^2/NDF:1961004.5/33

All: 138.820+/-0.016 χ^2/NDF: 3581182.9/62


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 344.437+/-241.532 χ²/NDF: 16.2/15
Left Out: 389.497+/-294.489 χ²/NDF:24.6/14
Right Out: 75.434+/-240.479 χ²/NDF: 15.3/18
Left In: 176.509+/-309.472 χ²/NDF:22.9/12
Left: 288.284+/-213.335 χ²/NDF: 47.8/27
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 280.869+/-190.405 χ²/NDF:39.4/28
Out: 201.078+/-186.265 χ²/NDF:40.5/33
All: 240.096+/-133.149 χ²/NDF: 80.0/62



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1003.071+/-0.208 χ^2/NDF:316633.8/14

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1013.992+/-0.219 χ^2/NDF:353374.6/12

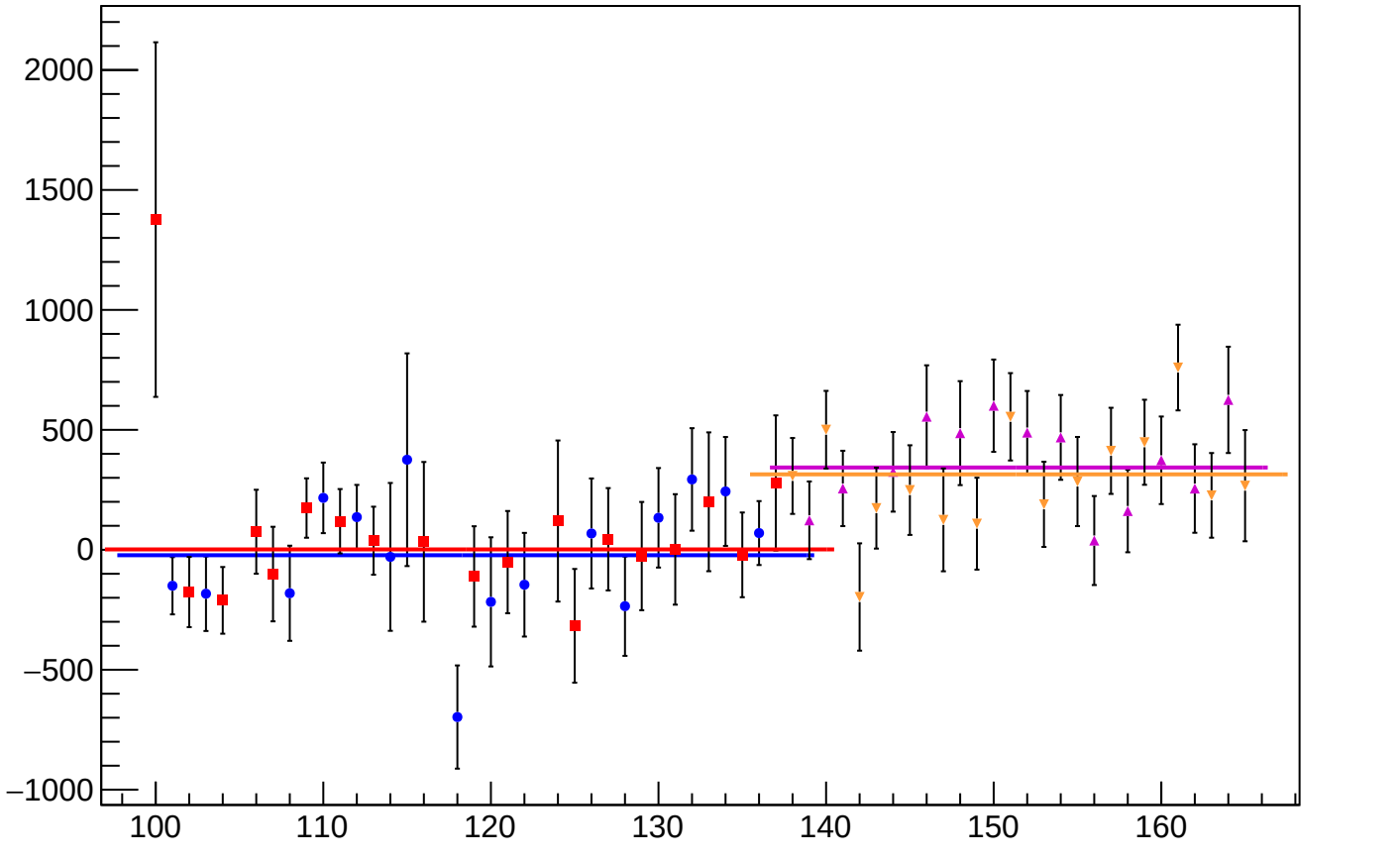
Left: 1008.261+/-0.151 χ^2/NDF: 671315.5/27

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 735.960+/-0.135 χ^2/NDF:6383391.6/28

Out: 751.530+/-0.132 χ^2/NDF:5856364.6/33

All: 743.916+/-0.094 χ^2/NDF: 12246590.4/62



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.479+/-47.316 χ^2/NDF:18.9/14

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 343.010+/-50.438 χ^2/NDF:12.3/12

Left: 327.834+/-34.508 χ^2/NDF: 31.4/27

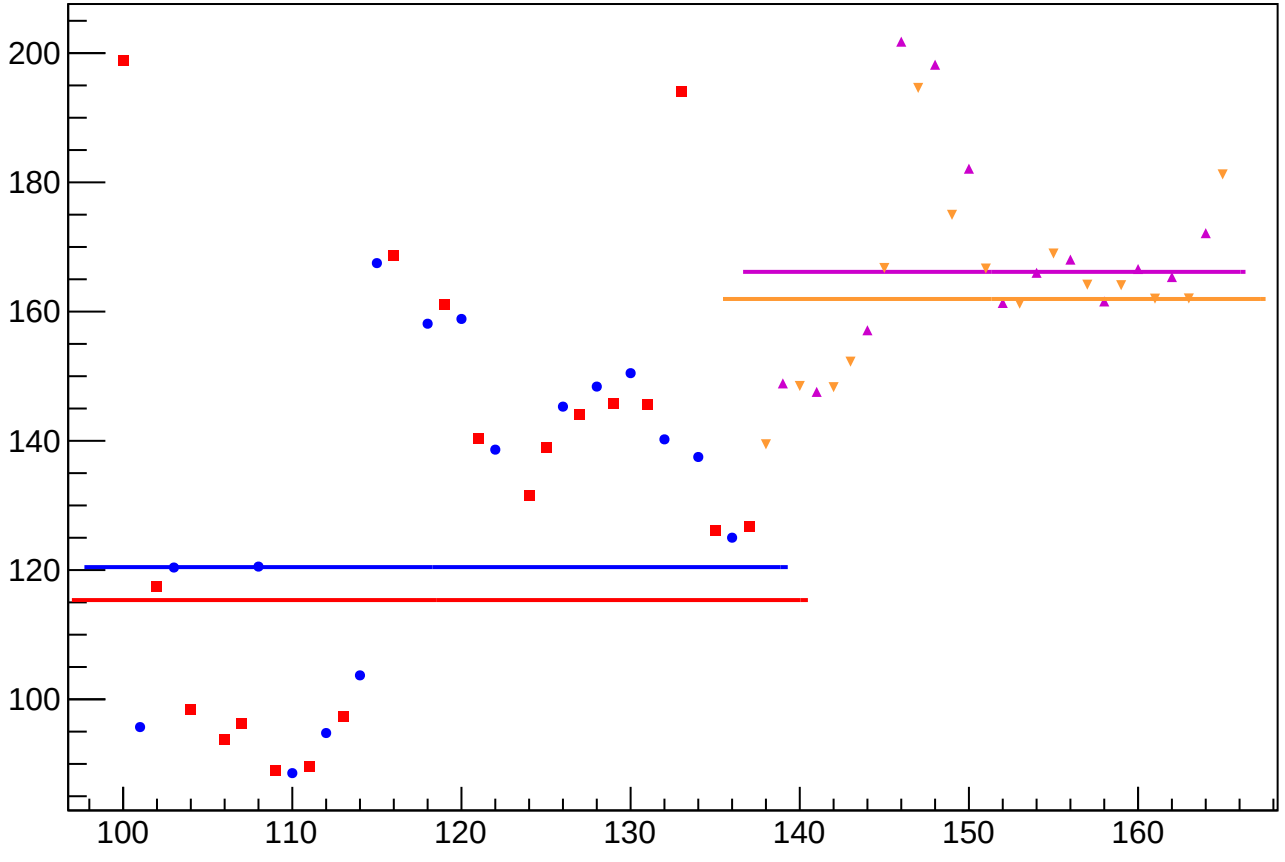
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 143.011+/-33.951 χ^2/NDF:65.2/28

Out: 145.140+/-32.049 χ^2/NDF:56.9/33

All: 144.137+/-23.305 χ^2/NDF: 122.1/62

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.953+/-0.033 χ^2/NDF:144006.2/14

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.149+/-0.036 χ^2/NDF:174264.6/12

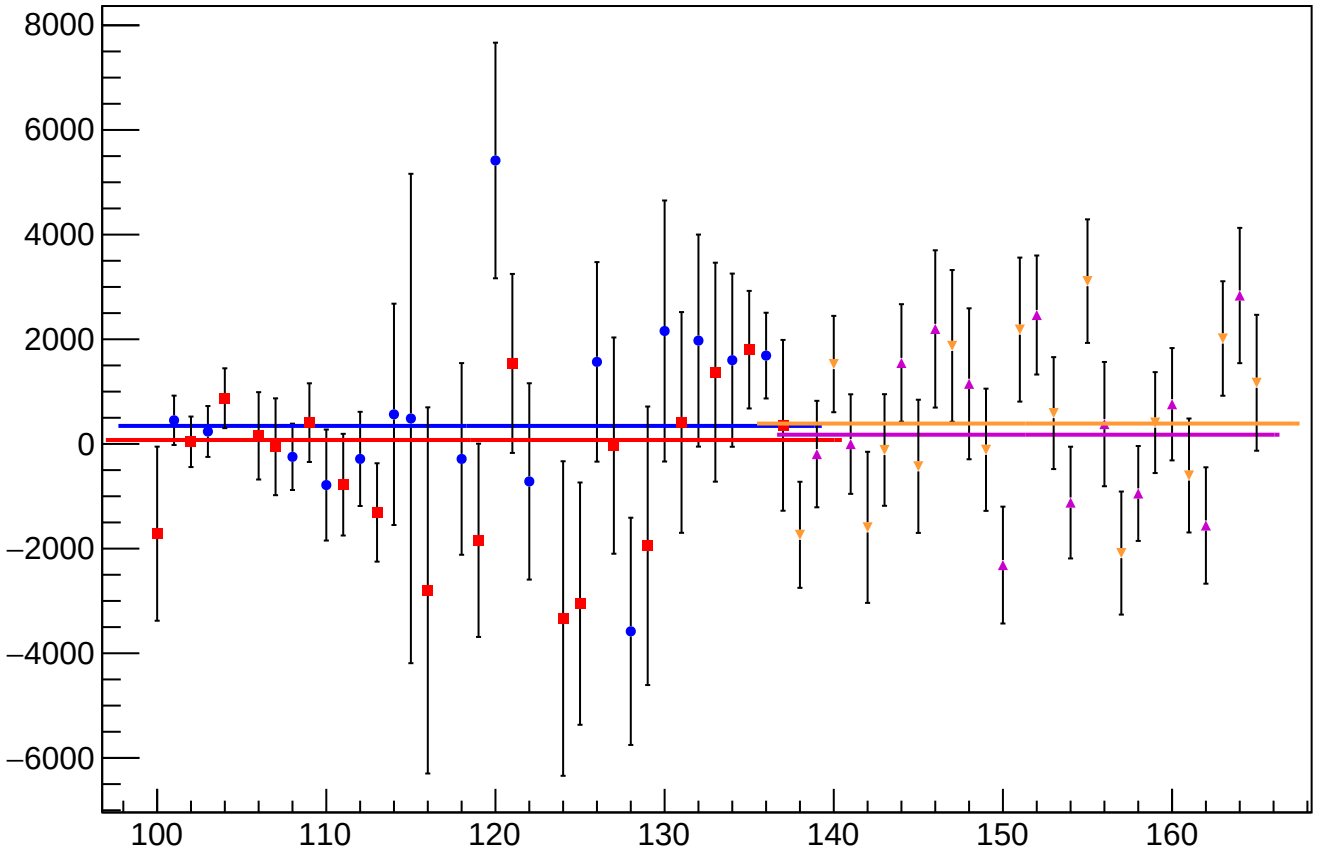
Left: 163.917+/-0.024 χ^2/NDF: 325632.4/27

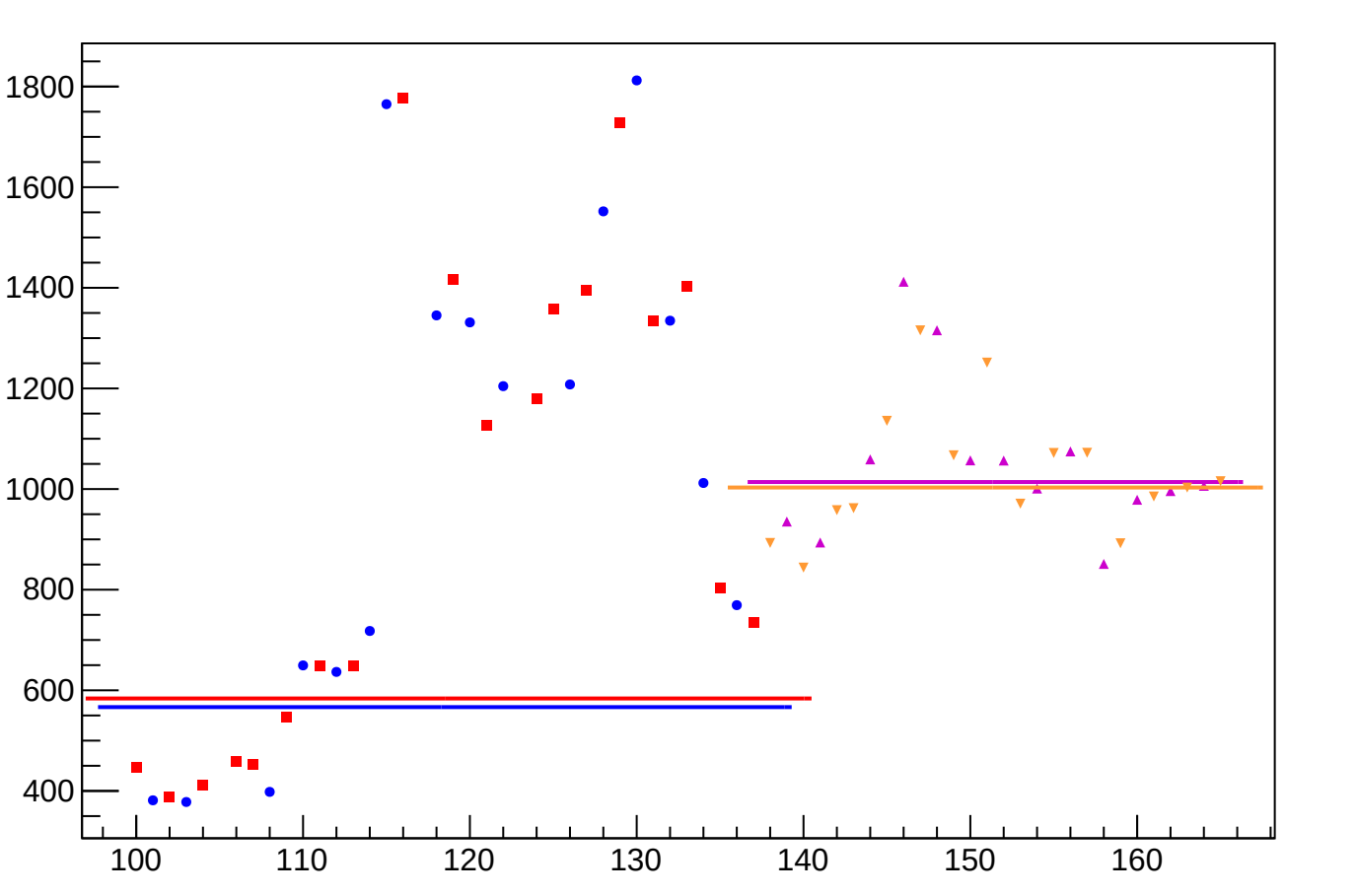
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 141.160+/-0.024 χ^2/NDF:1602212.3/28

Out: 136.734+/-0.023 χ^2/NDF:1961004.8/33

All: 138.819+/-0.016 χ^2/NDF: 3581193.5/62


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 344.436+/-241.531 χ²/NDF: 16.2/15
Left Out: 389.497+/-294.489 χ²/NDF:24.6/14
Right Out: 75.435+/-240.479 χ²/NDF: 15.3/18
Left In: 176.509+/-309.472 χ²/NDF:22.9/12
Left: 288.284+/-213.335 χ²/NDF: 47.8/27
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 280.869+/-190.405 χ²/NDF:39.4/28
Out: 201.079+/-186.265 χ²/NDF:40.5/33
All: 240.097+/-133.149 χ²/NDF: 80.0/62



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1003.071+/-0.208 χ^2/NDF:316636.2/14

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1013.992+/-0.219 χ^2/NDF:353377.4/12

Left: 1008.261+/-0.151 χ^2/NDF: 671320.7/27

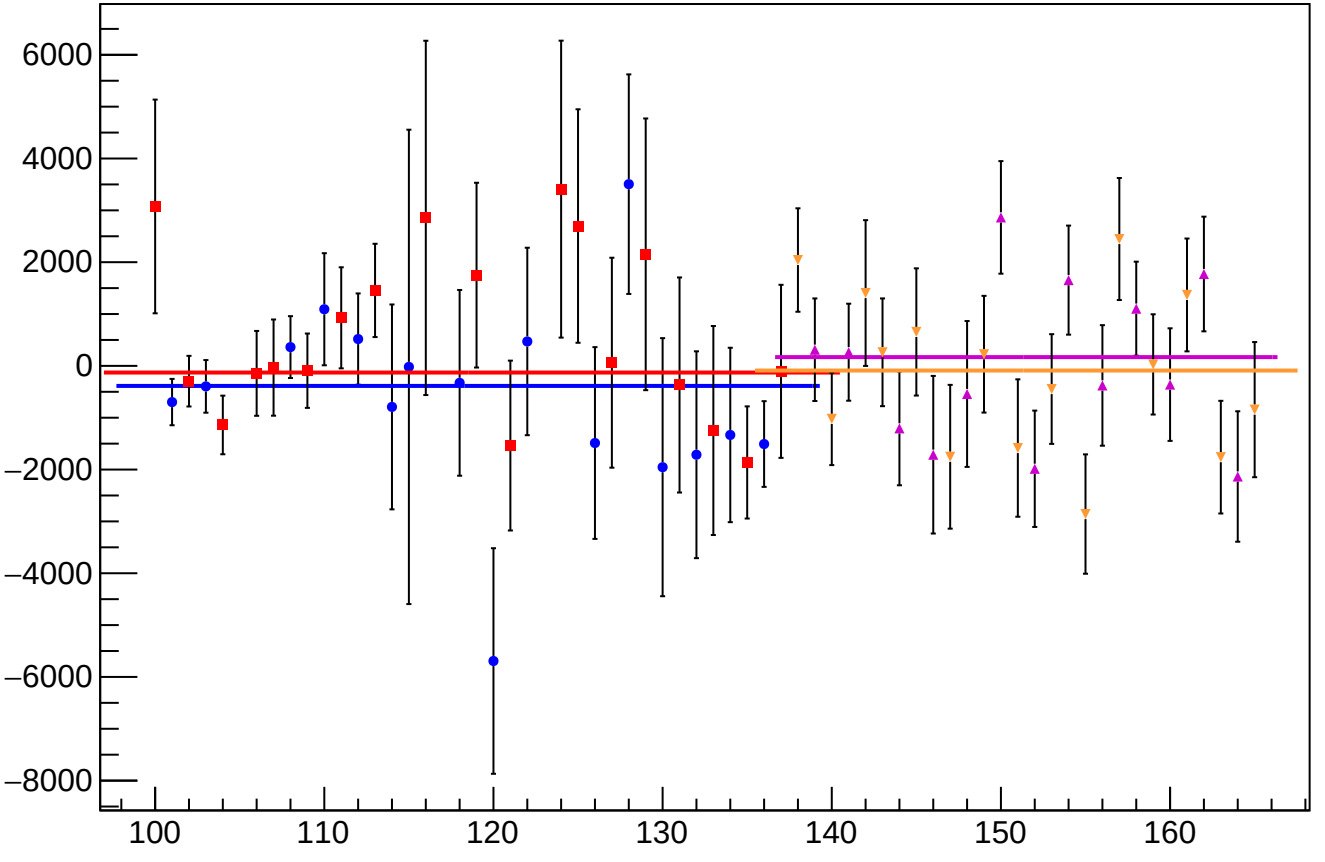
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 735.959+/-0.135 χ^2/NDF:6383407.5/28

Out: 751.530+/-0.132 χ^2/NDF:5856373.9/33

All: 743.915+/-0.094 χ^2/NDF: 12246615.7/62

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -89.798+/-289.217 χ^2/NDF:25.1/14

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 168.952+/-305.248 χ^2/NDF:22.2/12

Left: 32.605+/-209.946 χ^2/NDF: 47.7/27

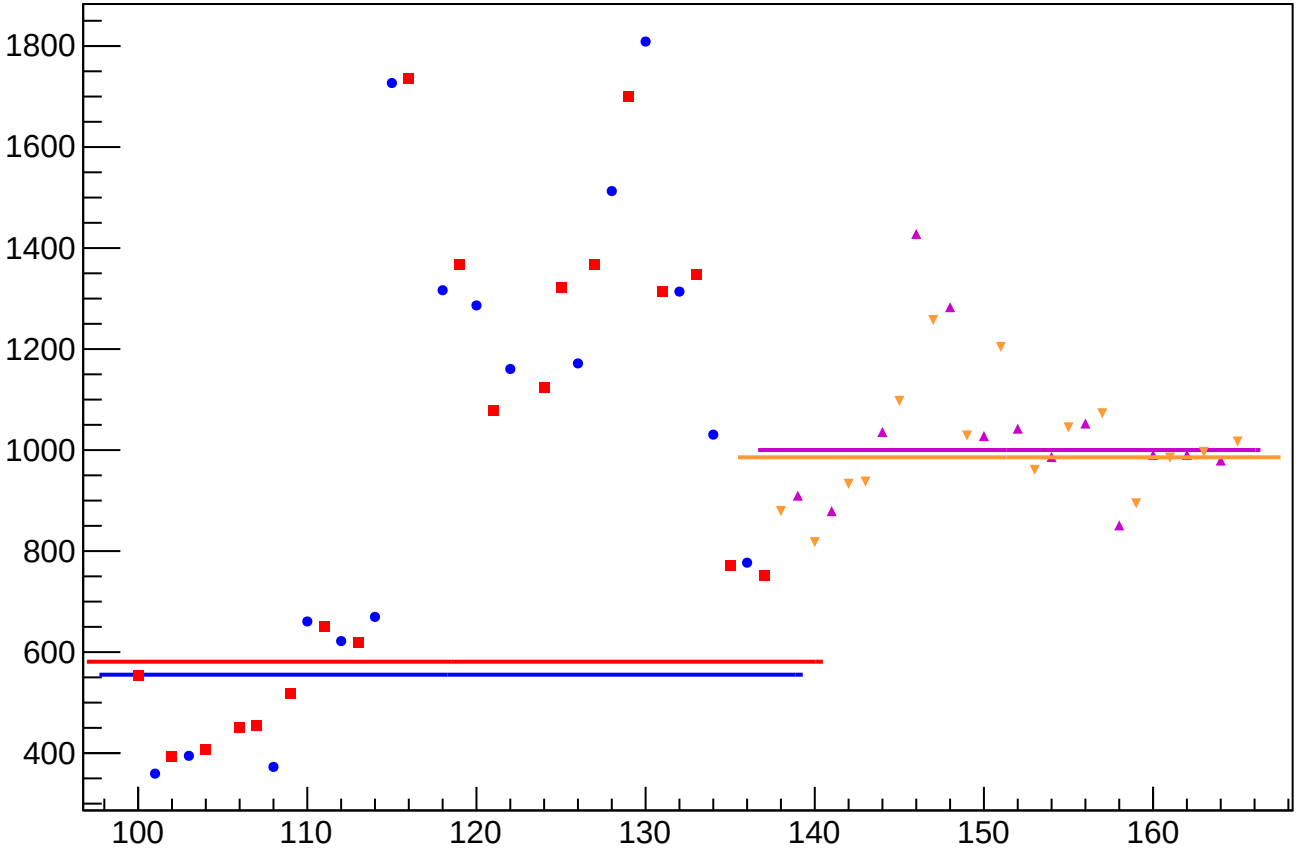
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -177.030+/-187.458 χ^2/NDF:42.2/28

Out: -112.904+/-183.886 χ^2/NDF:44.5/33

All: -144.351+/-131.272 χ^2/NDF: 86.8/62

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 985.682+/-0.205 χ^2/NDF:288013.3/14

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1000.151+/-0.216 χ^2/NDF:355190.3/12

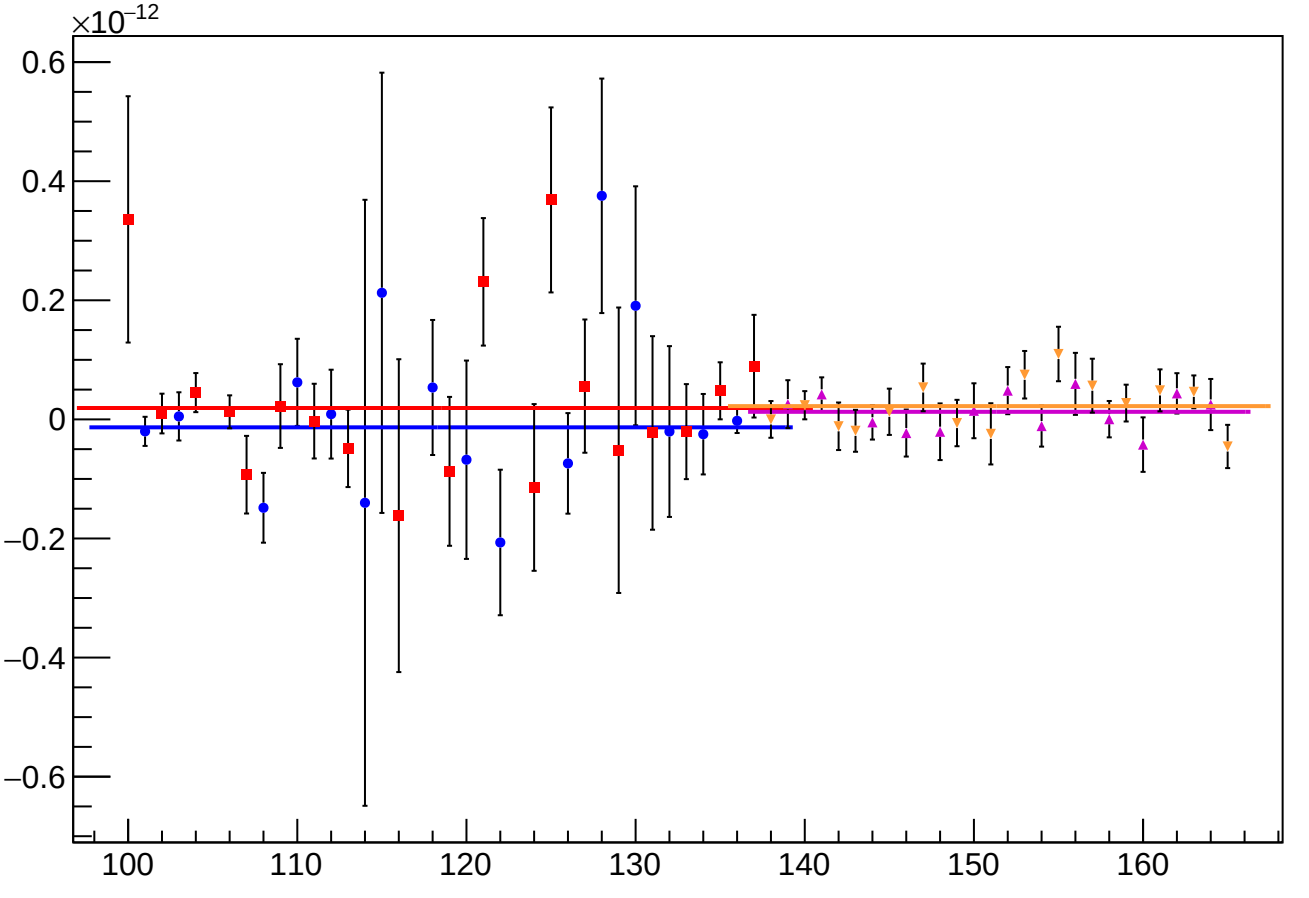
Left: 992.527+/-0.148 χ^2/NDF: 645571.7/27

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 723.066+/-0.133 χ^2/NDF:6483546.4/28

Out: 744.590+/-0.130 χ^2/NDF:5604402.8/33

All: 734.035+/-0.093 χ^2/NDF: 12101385.4/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/12

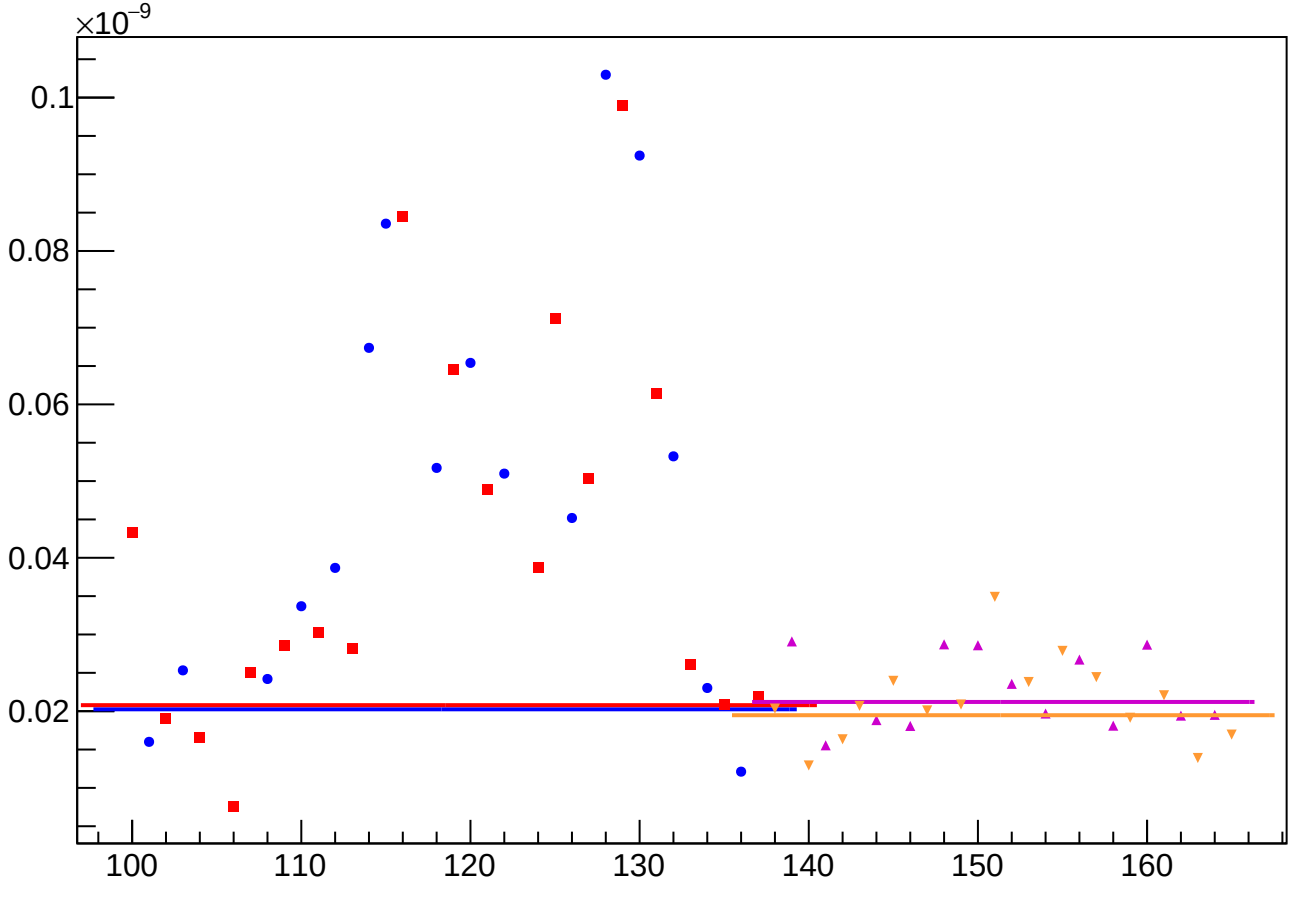
Left: 0.000+/-0.000 χ^2/NDF: 23.4/27

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:25.9/28

Out: 0.000+/-0.000 χ^2/NDF:35.4/33

All: 0.000+/-0.000 χ^2/NDF: 64.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:596714.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:398341.6/12

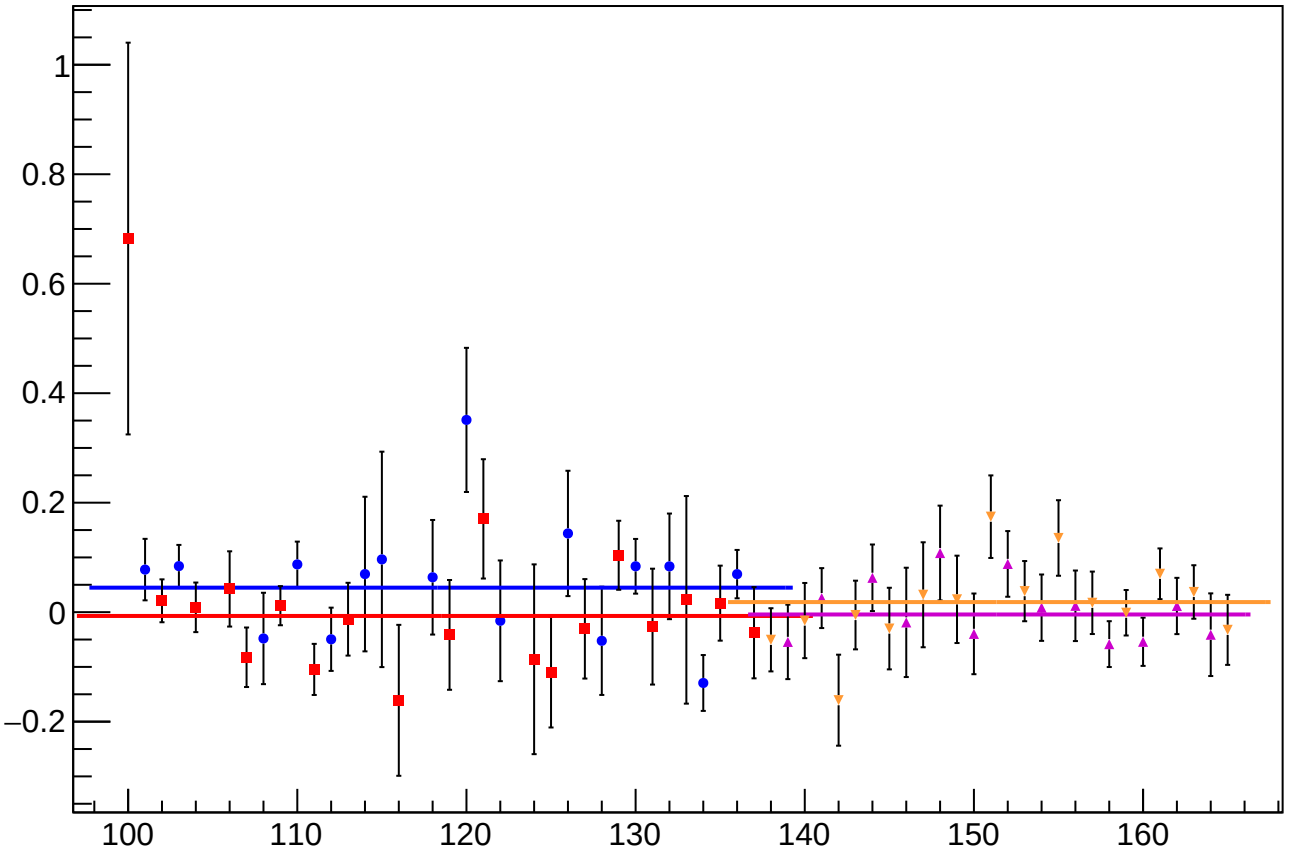
Left: 0.000+/-0.000 χ^2/NDF: 1026708.5/27

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2409737.3/28

Out: 0.000+/-0.000 χ^2/NDF:2465114.1/33

All: 0.000+/-0.000 χ^2/NDF: 4889942.7/62



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

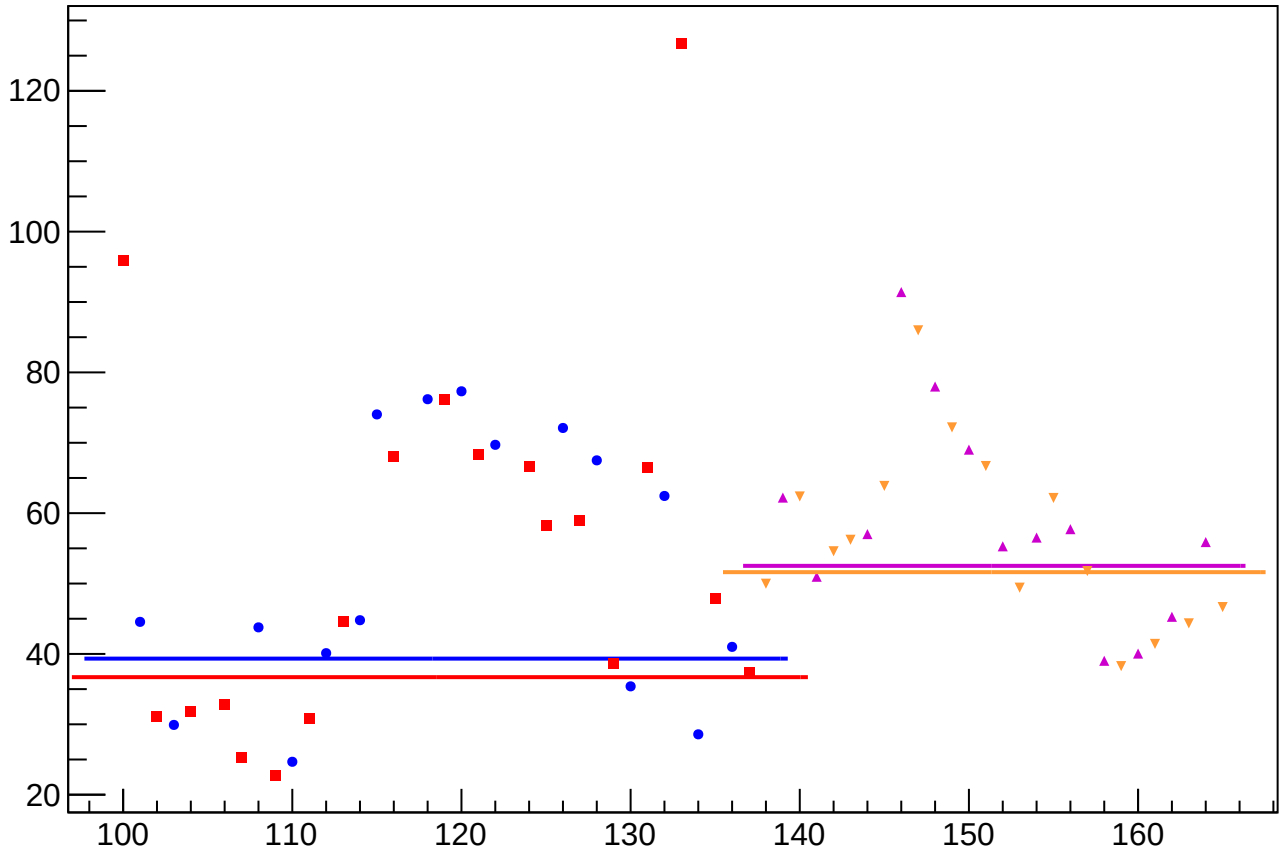
Left: 0.008+/-0.011 χ^2/NDF: 27.2/27

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.013+/-0.008 χ^2/NDF: 79.8/62



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.617+/-0.011 χ^2/NDF:997279.2/14

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

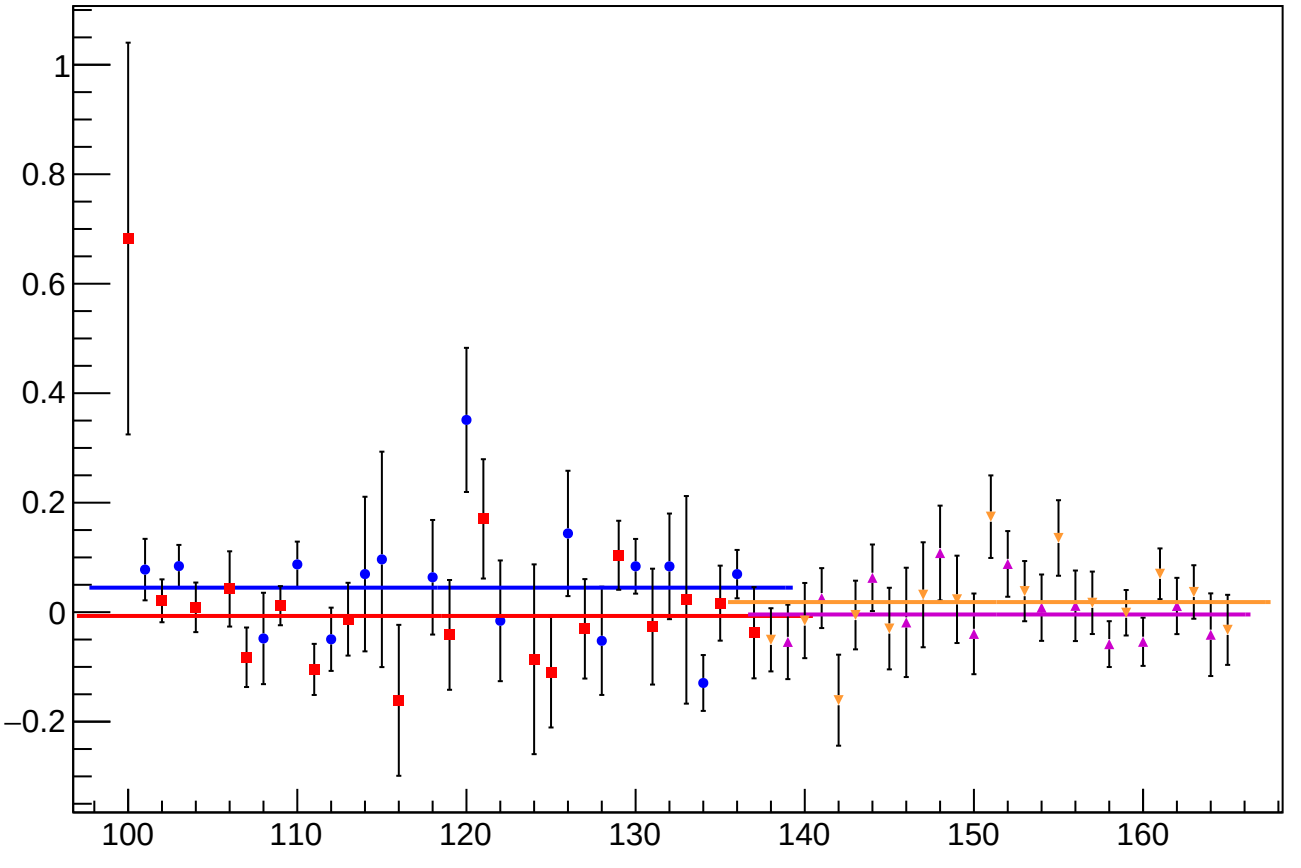
Left: 52.042+/-0.008 χ^2/NDF: 2068210.6/27

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.727+/-0.008 χ^2/NDF:3290727.0/28

Out: 43.903+/-0.008 χ^2/NDF:4035175.5/33

All: 44.763+/-0.006 χ^2/NDF: 7352489.6/62



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

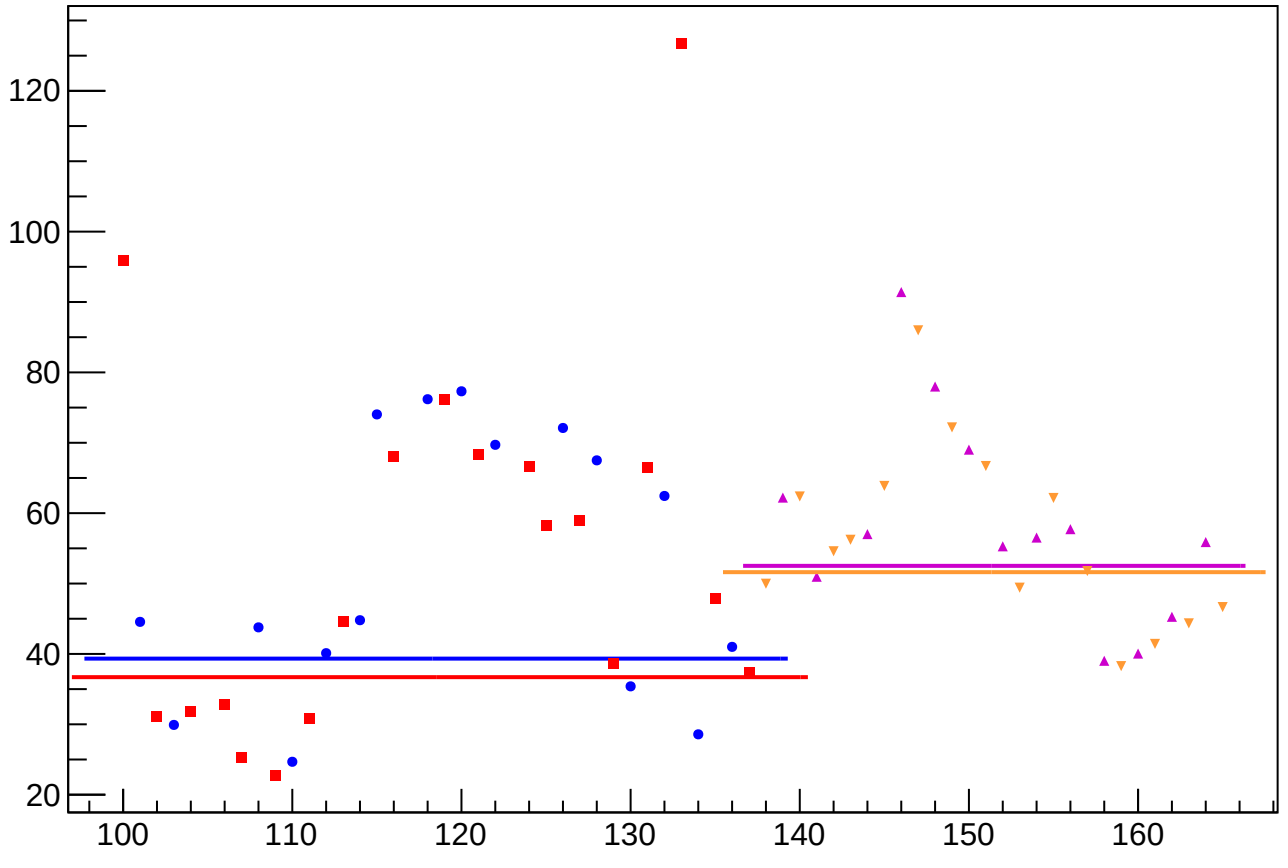
Left: 0.008+/-0.011 χ^2/NDF: 27.2/27

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.013+/-0.008 χ^2/NDF: 79.8/62



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.617+/-0.011 χ^2/NDF:997279.2/14

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

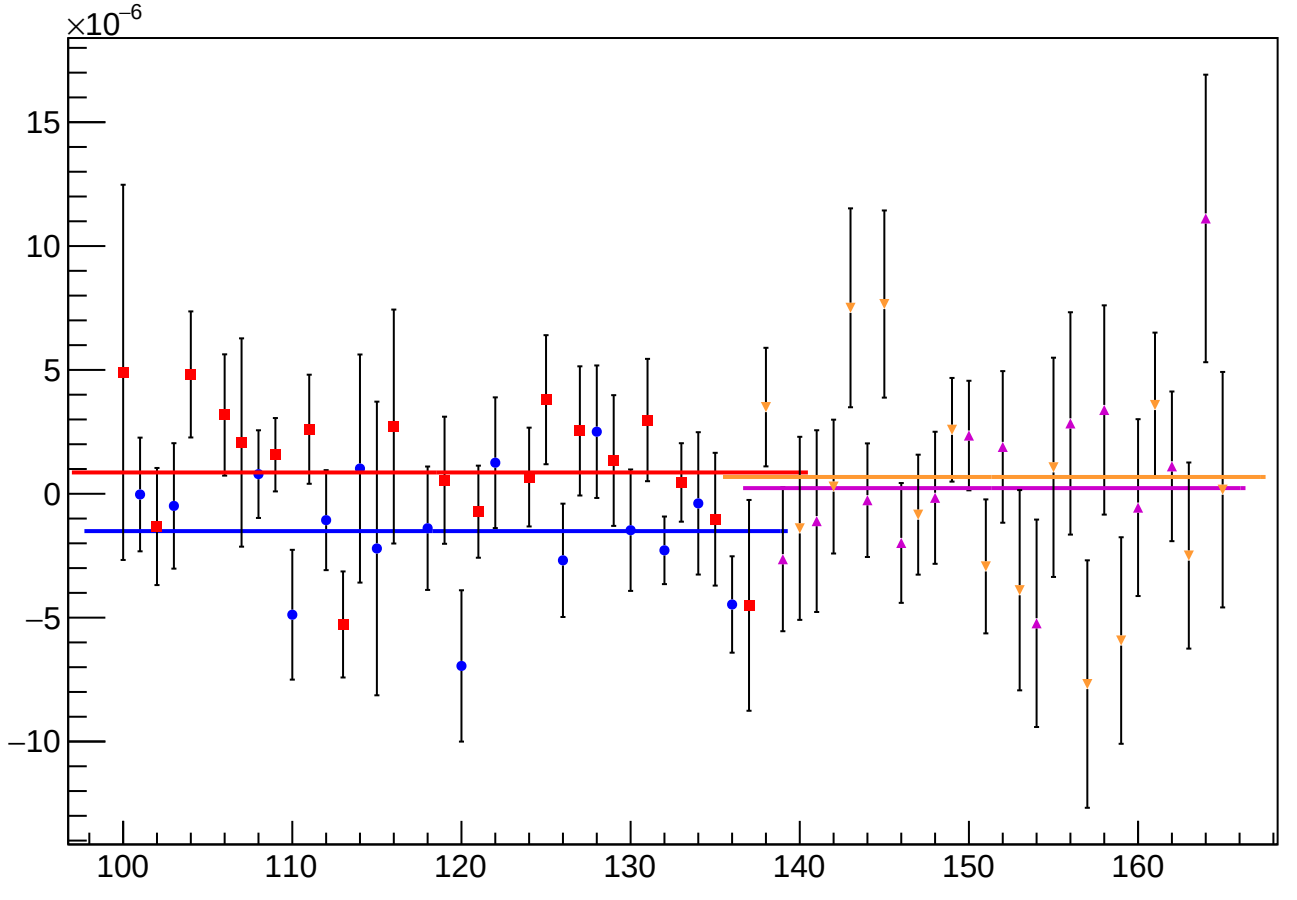
Left: 52.042+/-0.008 χ^2/NDF: 2068210.6/27

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.727+/-0.008 χ^2/NDF:3290727.0/28

Out: 43.903+/-0.008 χ^2/NDF:4035175.5/33

All: 44.763+/-0.006 χ^2/NDF: 7352489.6/62



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/12

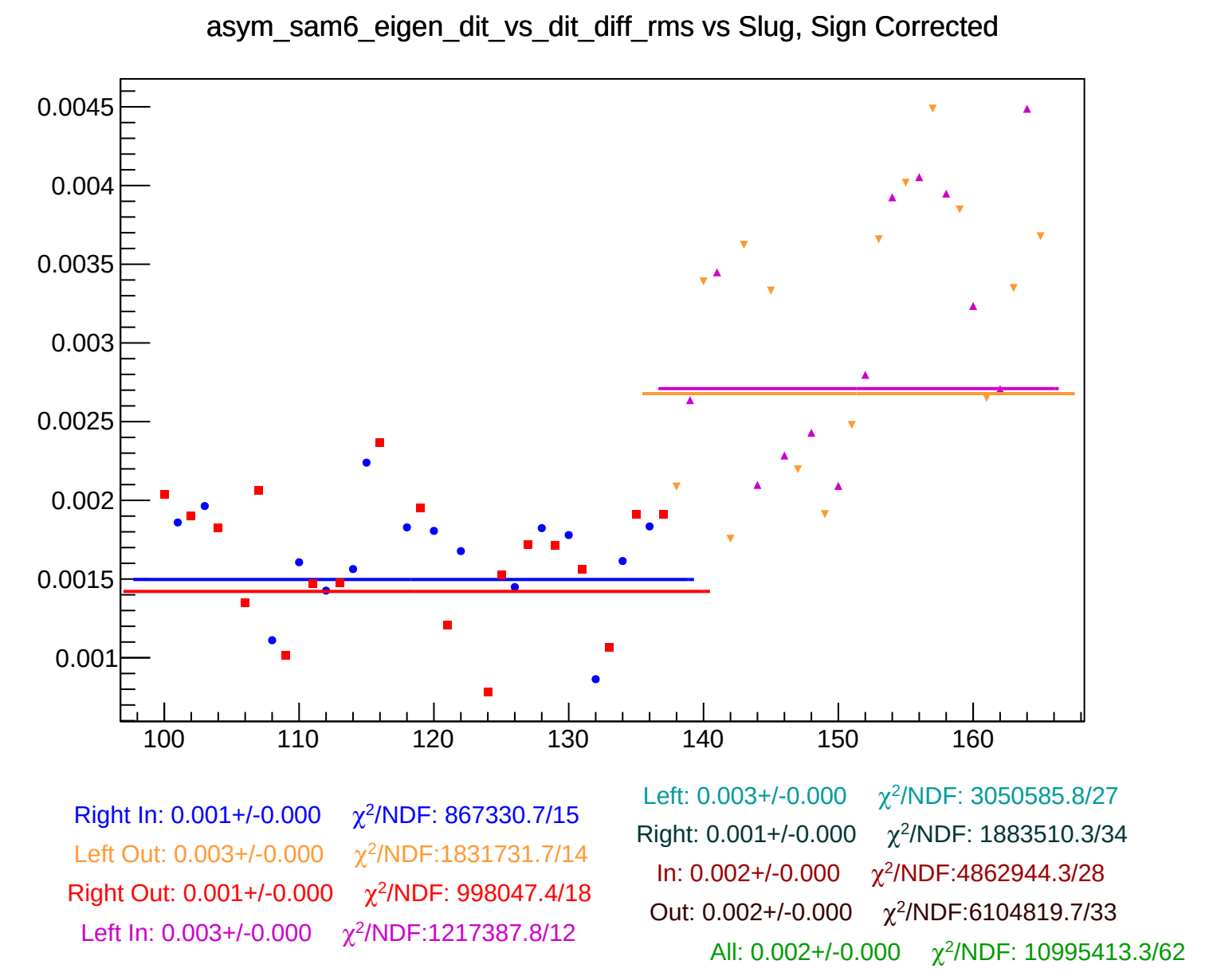
Left: 0.000+/-0.000 χ^2/NDF: 29.0/27

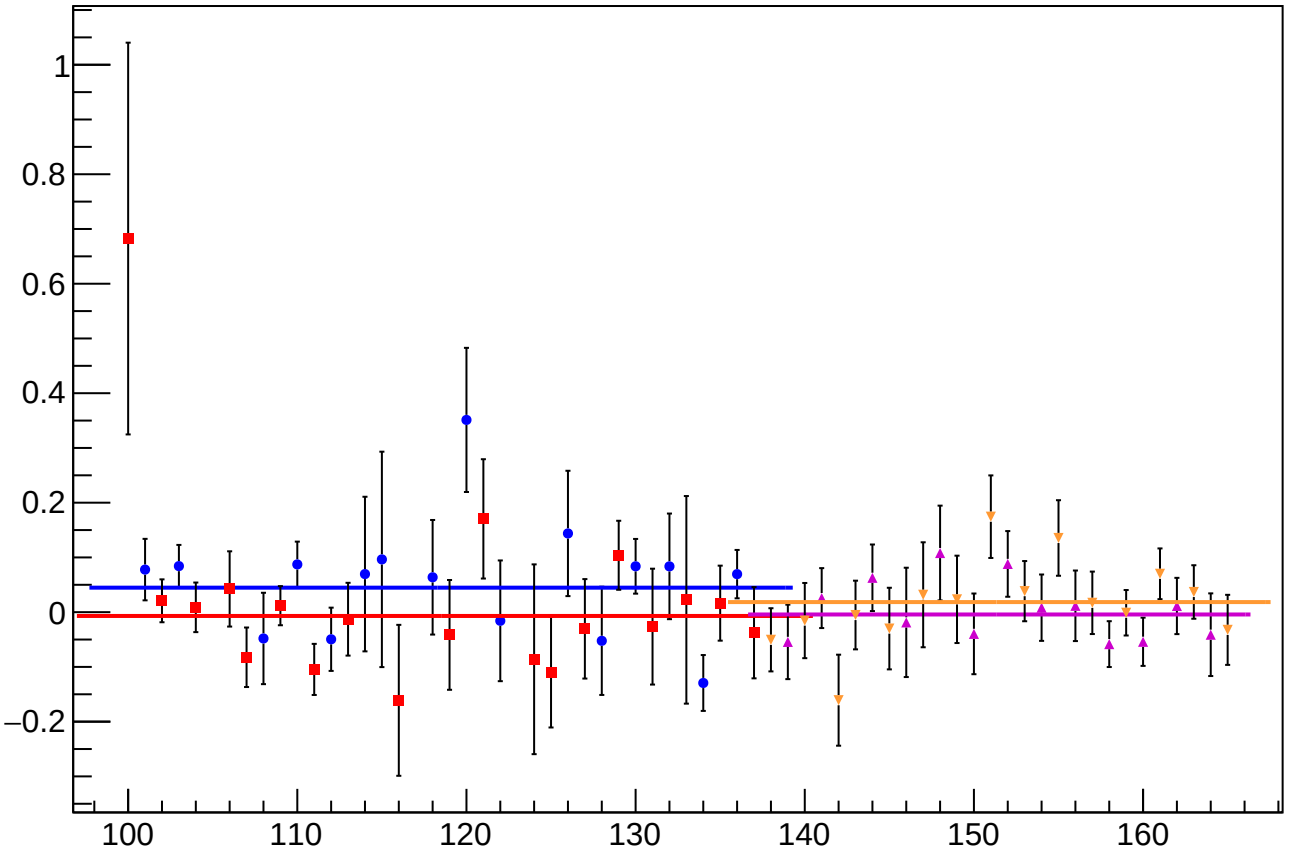
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:26.2/28

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: -0.000+/-0.000 χ^2/NDF: 71.8/62


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
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1831731.7/14
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1217387.8/12
Left: 0.003+/-0.000 χ²/NDF: 3050585.8/27
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:4862944.3/28
Out: 0.002+/-0.000 χ²/NDF:6104819.7/33
All: 0.002+/-0.000 χ²/NDF: 10995413.3/62



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

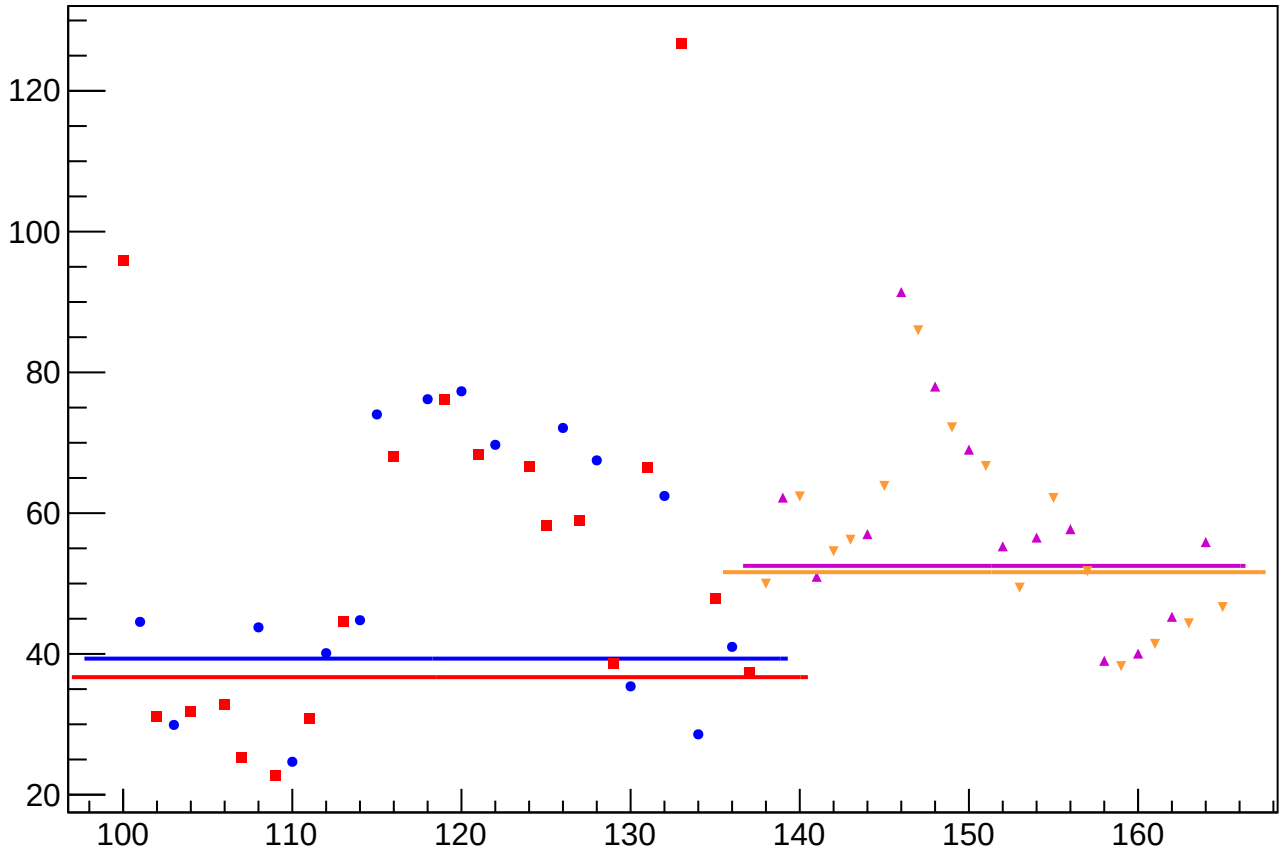
Left: 0.008+/-0.011 χ^2/NDF: 27.2/27

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.013+/-0.008 χ^2/NDF: 79.8/62



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.616+/-0.011 χ^2/NDF:997352.9/14

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

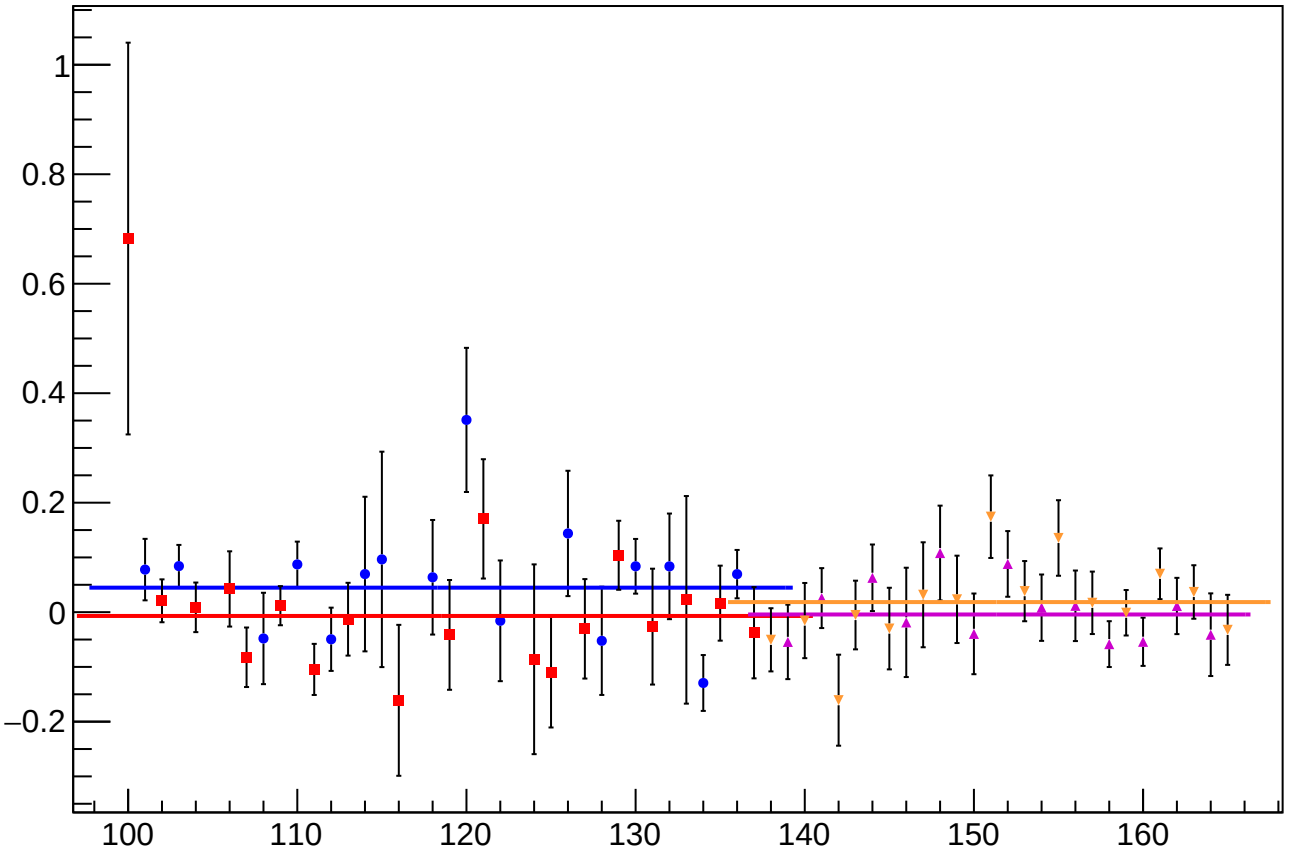
Left: 52.040+/-0.008 χ^2/NDF: 2068409.3/27

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.726+/-0.008 χ^2/NDF:3290824.9/28

Out: 43.902+/-0.008 χ^2/NDF:4035166.1/33

All: 44.762+/-0.006 χ^2/NDF: 7352571.2/62



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

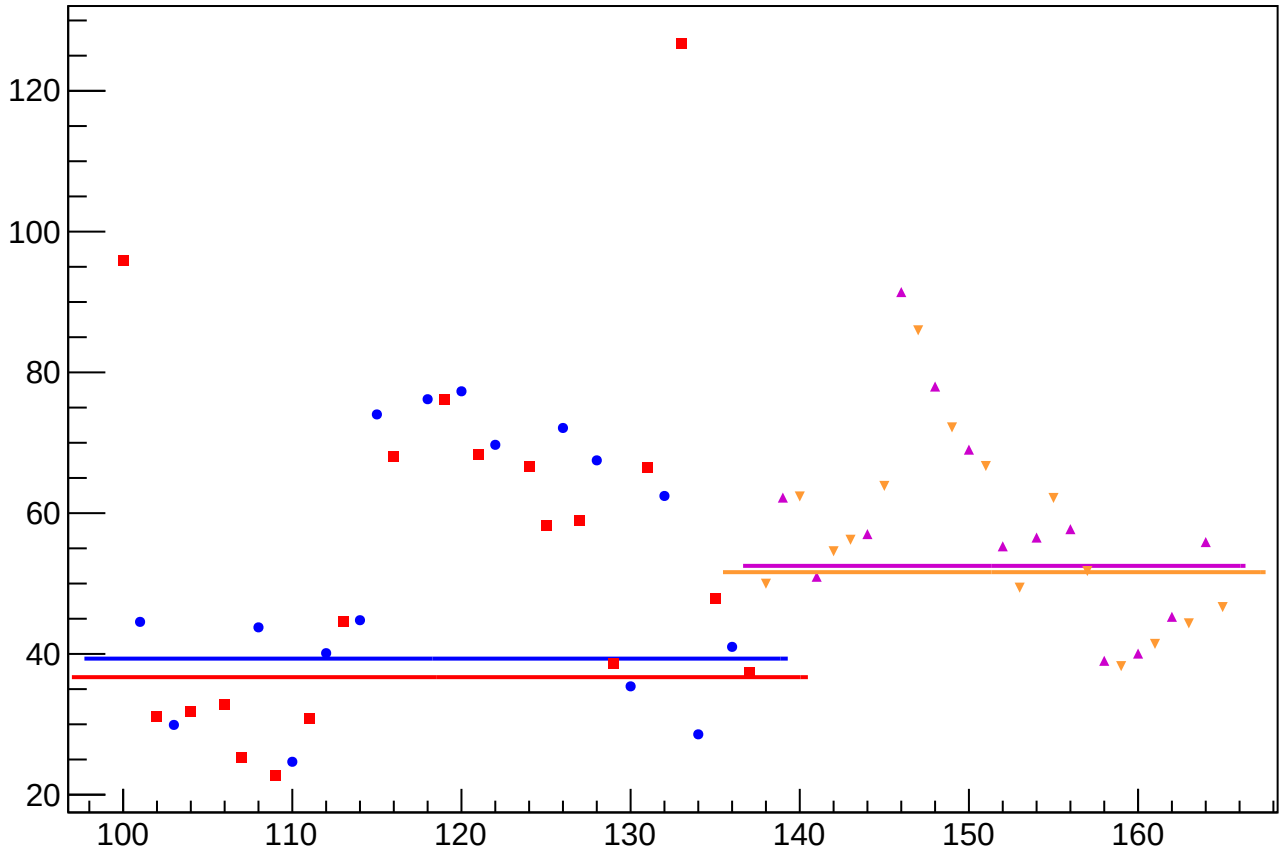
Left: 0.008+/-0.011 χ^2/NDF: 27.2/27

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.013+/-0.008 χ^2/NDF: 79.8/62



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.616+/-0.011 χ^2/NDF:997352.9/14

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

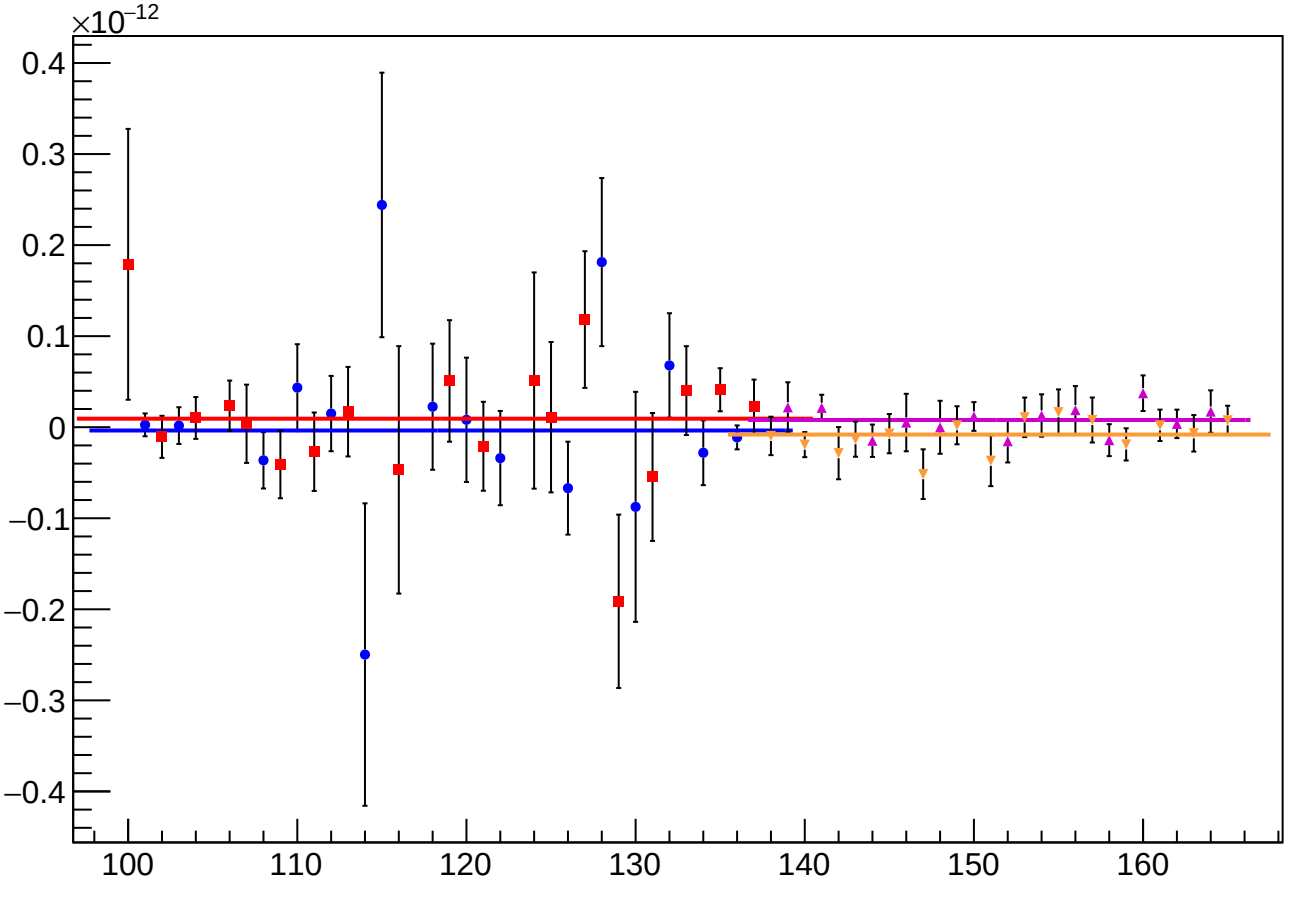
Left: 52.040+/-0.008 χ^2/NDF: 2068409.3/27

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.726+/-0.008 χ^2/NDF:3290824.9/28

Out: 43.902+/-0.008 χ^2/NDF:4035166.1/33

All: 44.762+/-0.006 χ^2/NDF: 7352571.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/12

Left: -0.000+/-0.000 χ^2/NDF: 21.5/27

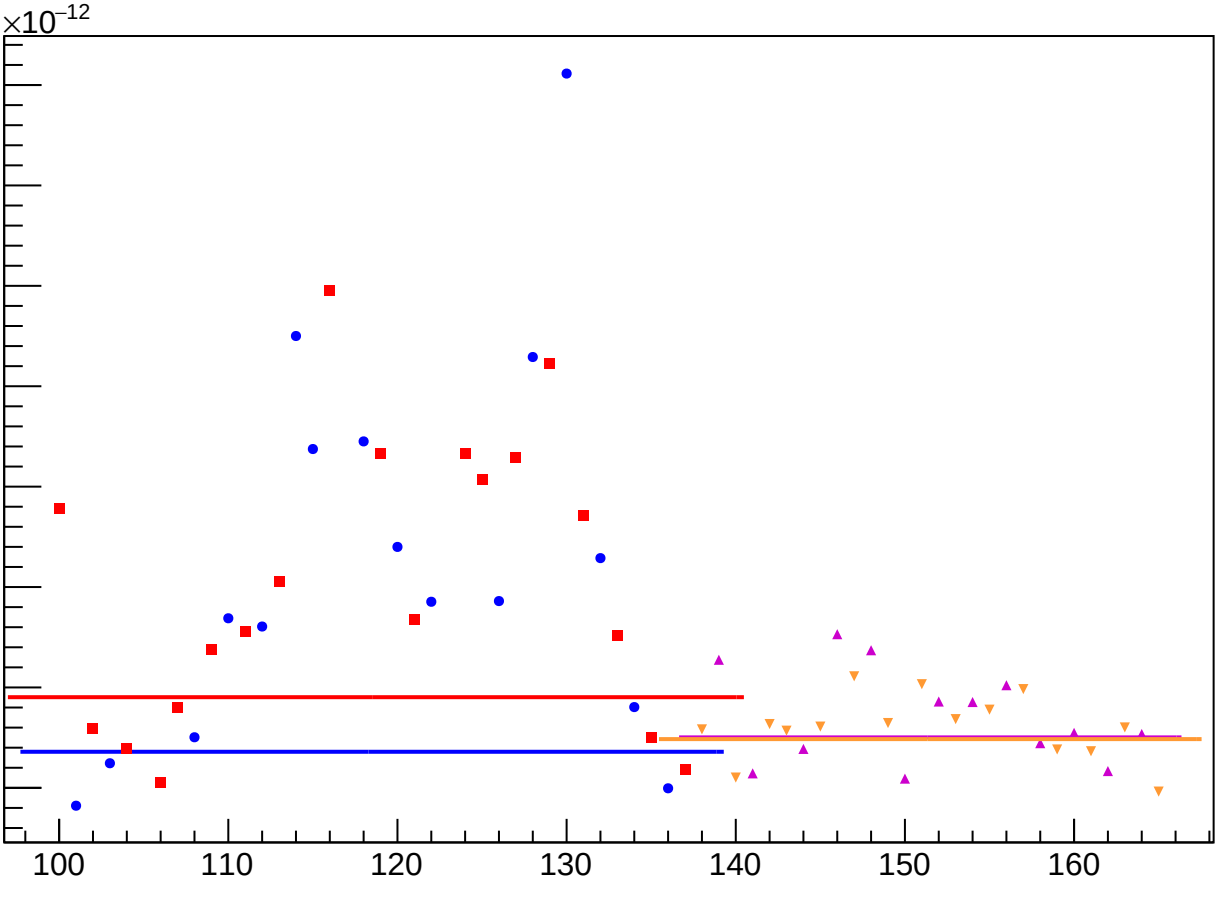
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:26.4/28

Out: -0.000+/-0.000 χ^2/NDF:27.4/33

All: 0.000+/-0.000 χ^2/NDF: 55.2/62

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:731698.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1081912.5/12

Left: 0.000+/-0.000 χ^2/NDF: 1814631.9/27

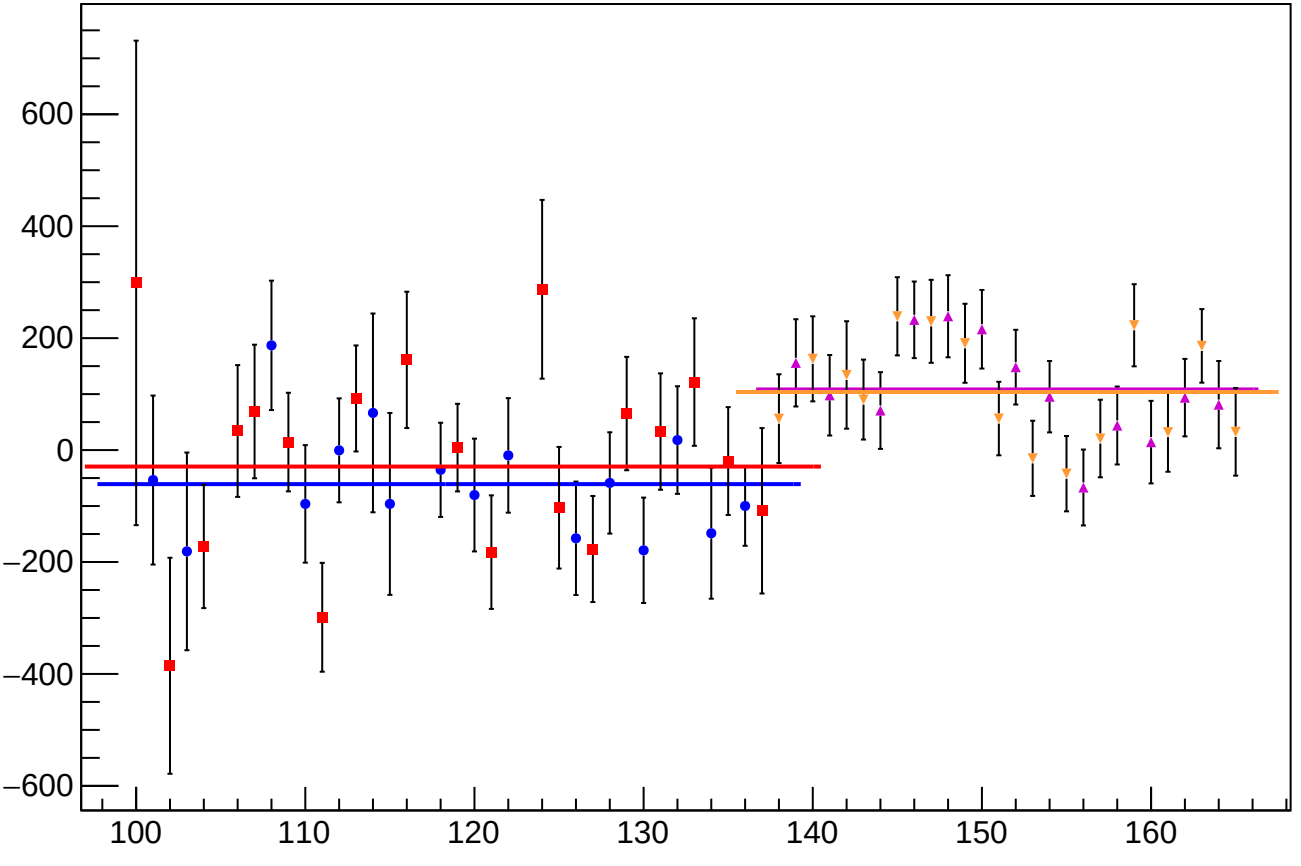
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:4318526.6/28

Out: 0.000+/-0.000 χ^2/NDF:3098353.5/33

All: 0.000+/-0.000 χ^2/NDF: 7514273.6/62

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.768+/-18.612 χ^2/NDF:25.1/14

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 108.309+/-19.522 χ^2/NDF:19.2/12

Left: 105.930+/-13.471 χ^2/NDF: 44.4/27

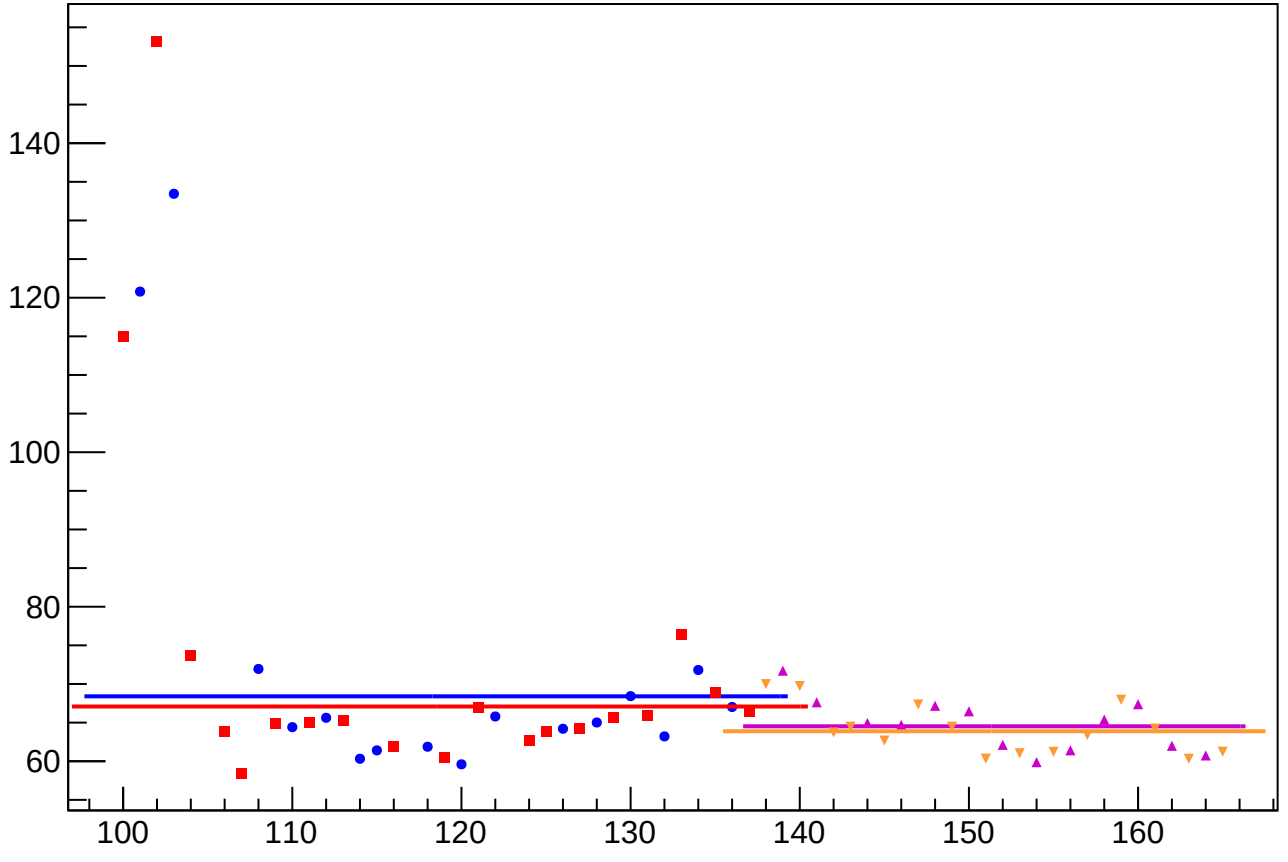
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 47.484+/-15.623 χ^2/NDF:56.8/28

Out: 56.517+/-14.952 χ^2/NDF:74.5/33

All: 52.199+/-10.802 χ^2/NDF: 131.5/62

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

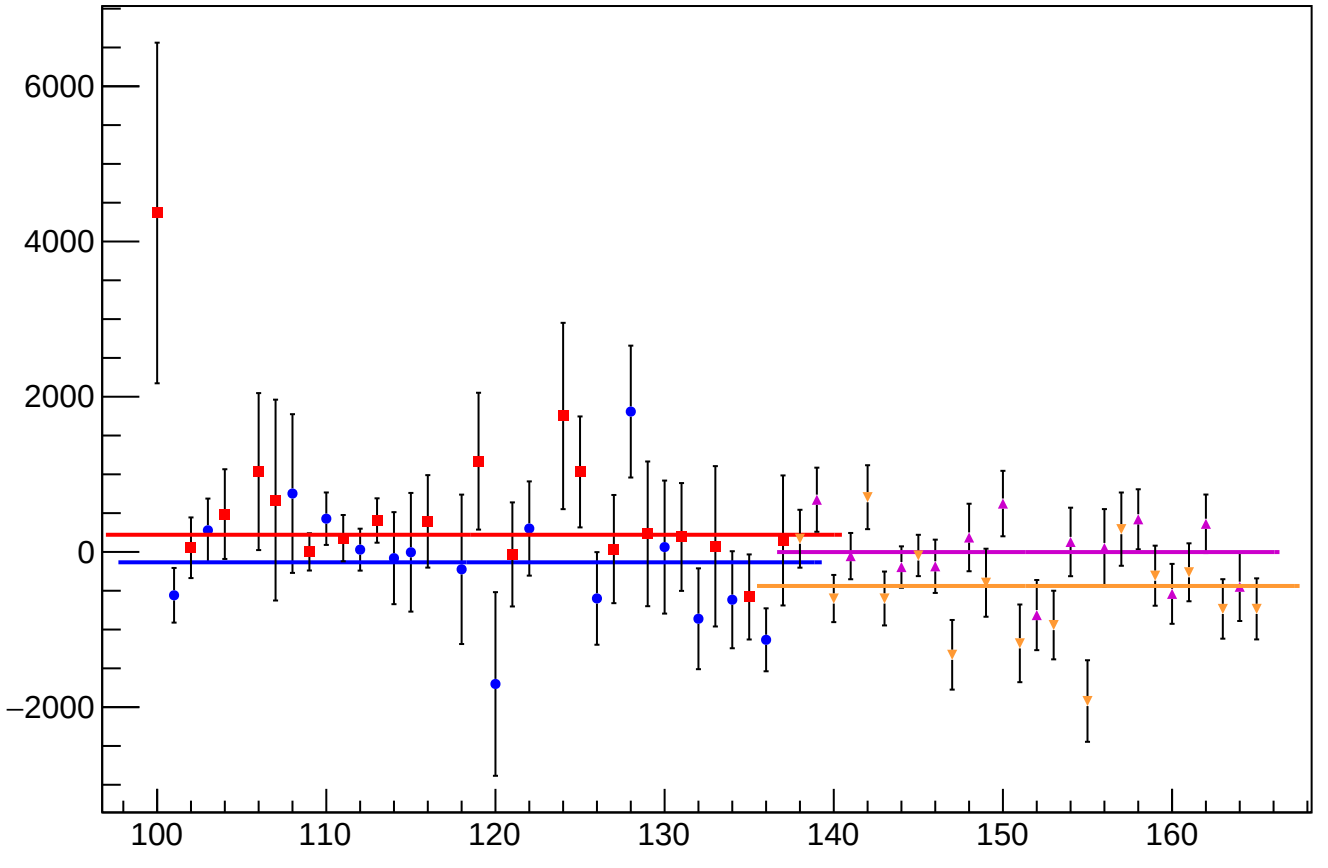
Left: 64.188+/-0.010 χ^2/NDF: 110186.6/27

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.918+/-0.011 χ^2/NDF:651047.4/28

Out: 65.019+/-0.011 χ^2/NDF:558794.9/33

All: 65.449+/-0.008 χ^2/NDF: 1213299.3/62



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -1.804+/-105.328 χ^2/NDF:14.3/12

Left: -232.364+/-72.365 χ^2/NDF: 55.7/27

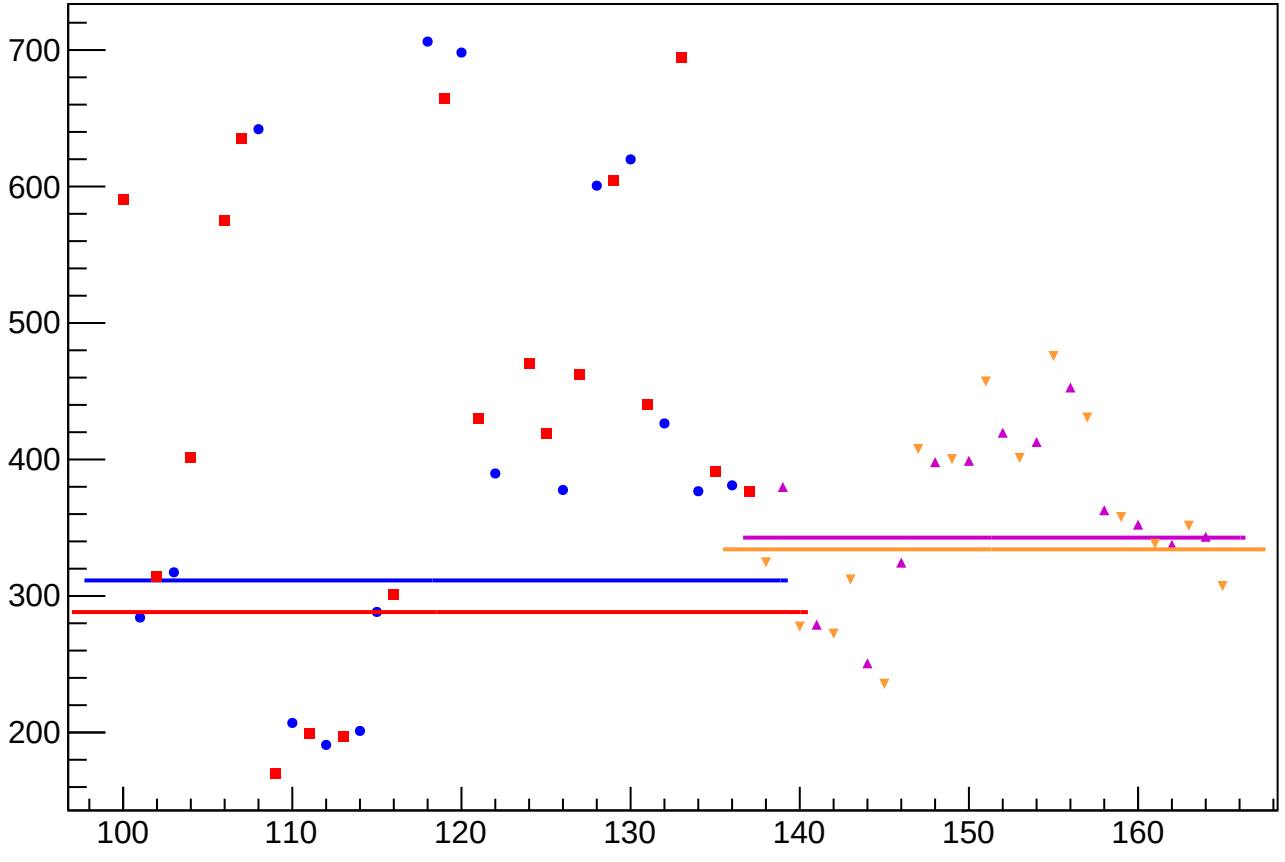
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -56.062+/-80.786 χ^2/NDF:37.4/28

Out: -163.419+/-76.049 χ^2/NDF:63.2/33

All: -112.980+/-55.374 χ^2/NDF: 101.5/62

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 334.187+/-0.070 χ^2/NDF:913526.3/14

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 342.750+/-0.074 χ^2/NDF:631362.8/12

Left: 338.229+/-0.051 χ^2/NDF: 1551868.5/27

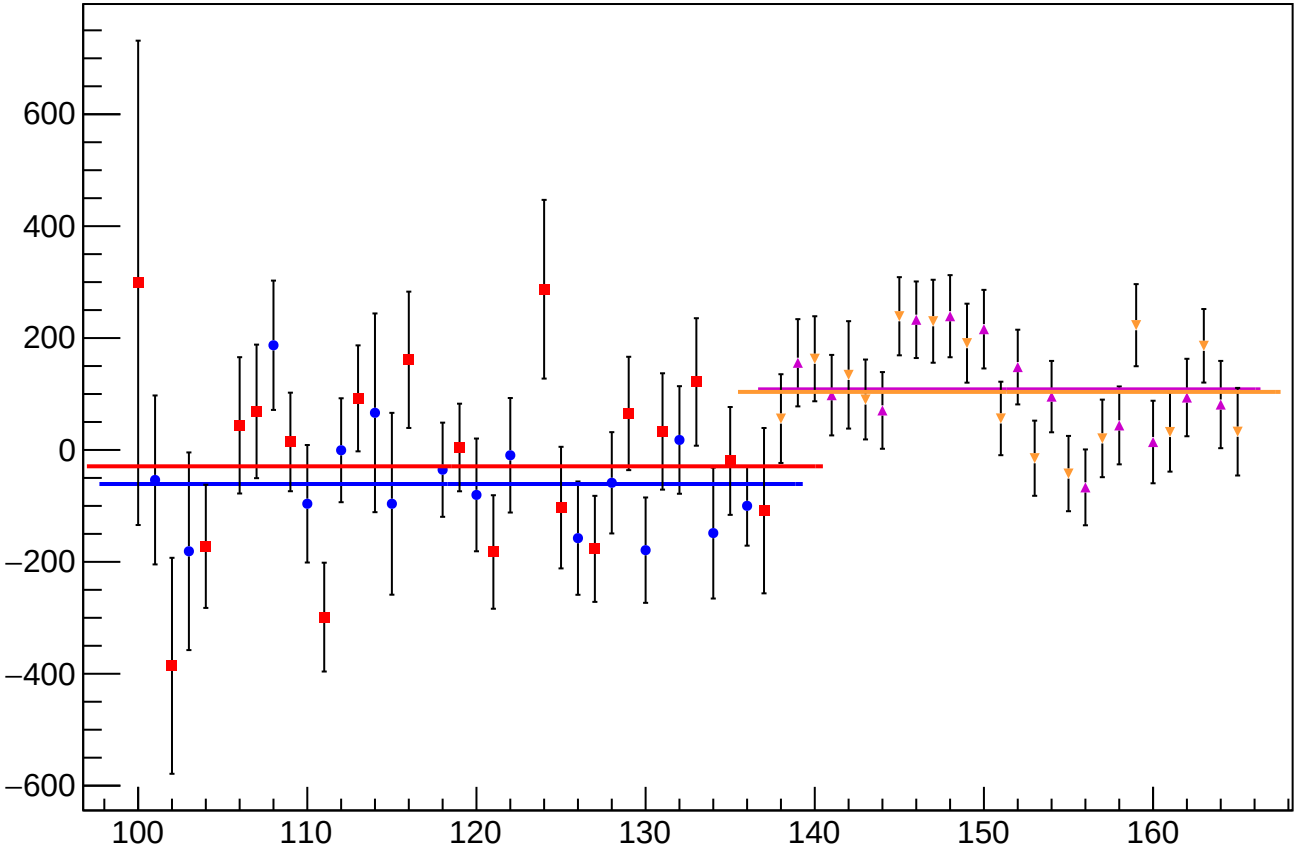
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 329.837+/-0.057 χ^2/NDF:2828175.2/28

Out: 315.017+/-0.054 χ^2/NDF:3806651.8/33

All: 321.980+/-0.039 χ^2/NDF: 6670510.7/62

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.769+/-18.612 χ^2/NDF:25.1/14

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 108.308+/-19.522 χ^2/NDF:19.2/12

Left: 105.930+/-13.471 χ^2/NDF: 44.4/27

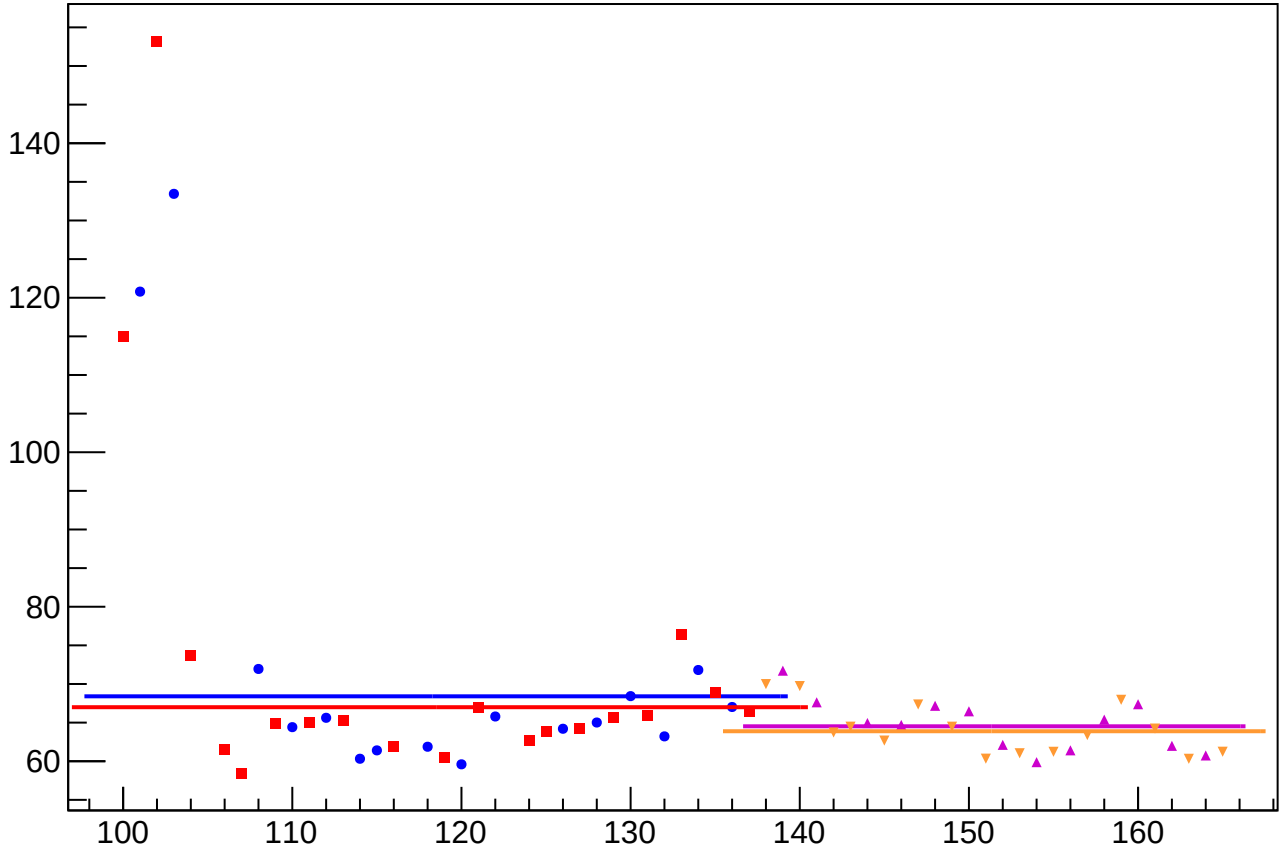
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.483+/-15.623 χ^2/NDF:56.8/28

Out: 56.691+/-14.960 χ^2/NDF:74.5/33

All: 52.287+/-10.805 χ^2/NDF: 131.5/62

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

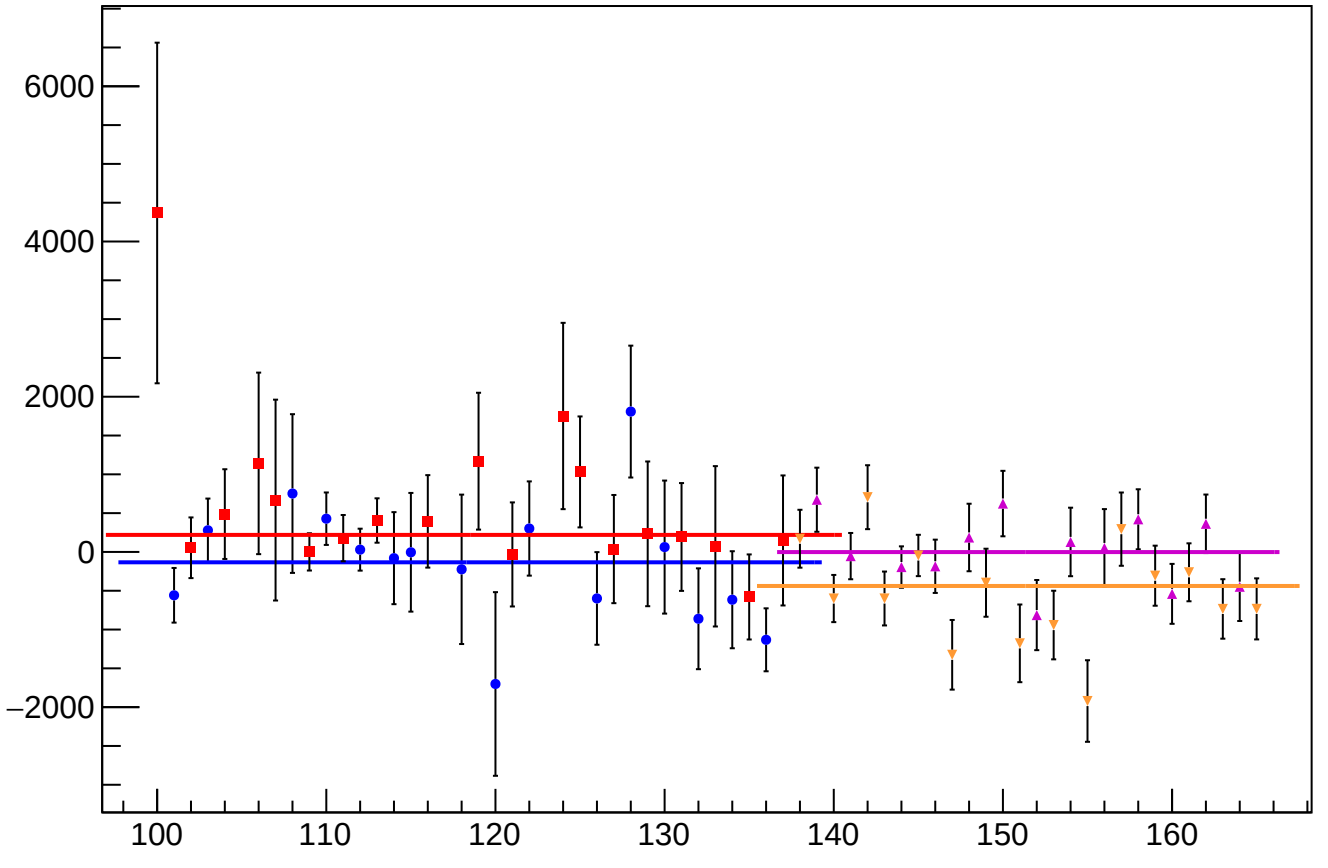
Left: 64.188+/-0.010 χ^2/NDF: 110186.6/27

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.918+/-0.011 χ^2/NDF:651047.7/28

Out: 64.985+/-0.011 χ^2/NDF:560251.3/33

All: 65.431+/-0.008 χ^2/NDF: 1215024.1/62



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -1.809+/-105.328 χ^2/NDF:14.3/12

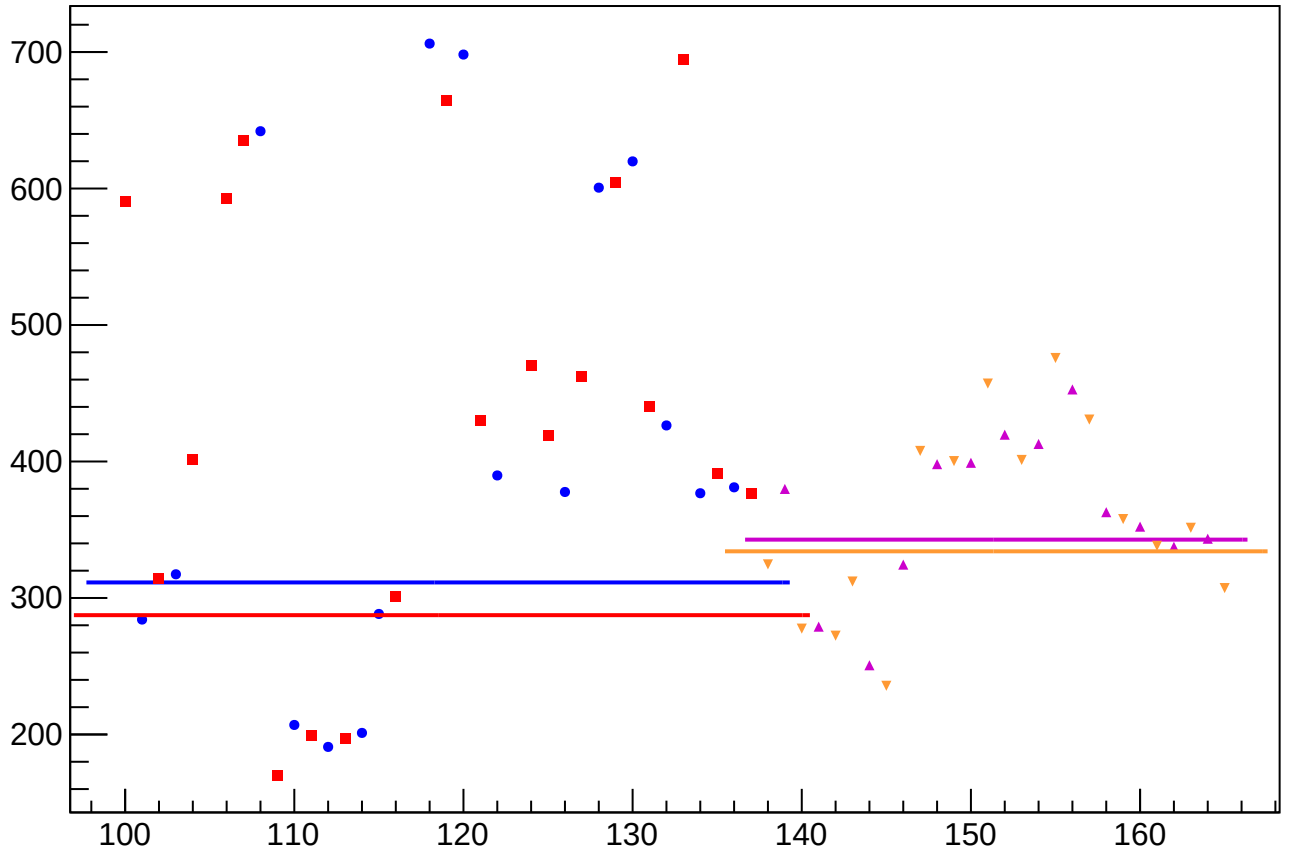
Left: -232.367+/-72.365 χ^2/NDF: 55.7/27

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -56.064+/-80.786 χ^2/NDF:37.4/28

Out: -164.693+/-76.105 χ^2/NDF:63.0/33

All: -113.617+/-55.395 χ^2/NDF: 101.4/62



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.187+/-0.070 χ^2/NDF:913530.7/14

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

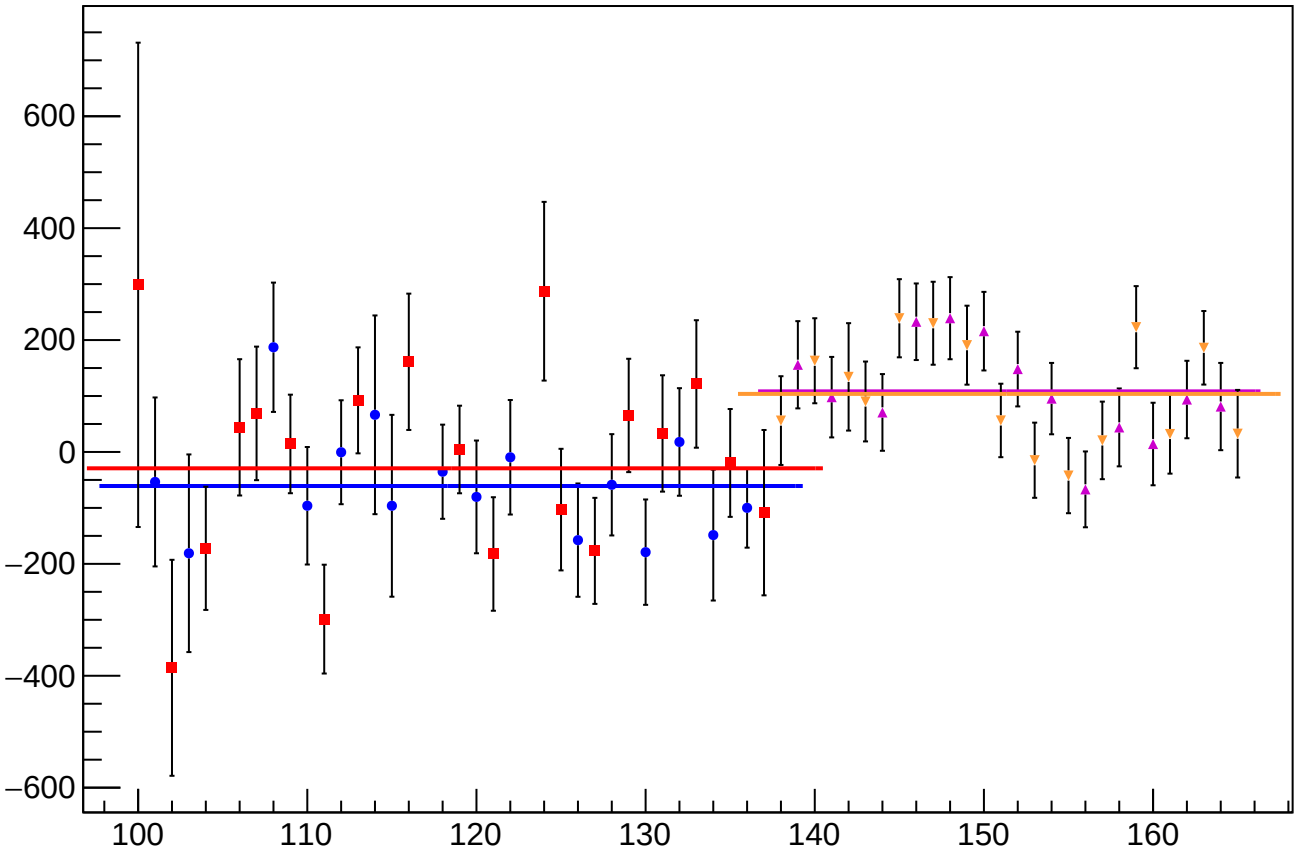
Left: 338.229+/-0.051 χ^2/NDF: 1551870.7/27

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 329.838+/-0.057 χ^2/NDF:2828165.2/28

Out: 314.727+/-0.054 χ^2/NDF:3787329.3/33

All: 321.832+/-0.039 χ^2/NDF: 6652569.2/62



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.769+/-18.612 χ^2/NDF:25.1/14

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 108.308+/-19.522 χ^2/NDF:19.2/12

Left: 105.930+/-13.471 χ^2/NDF: 44.4/27

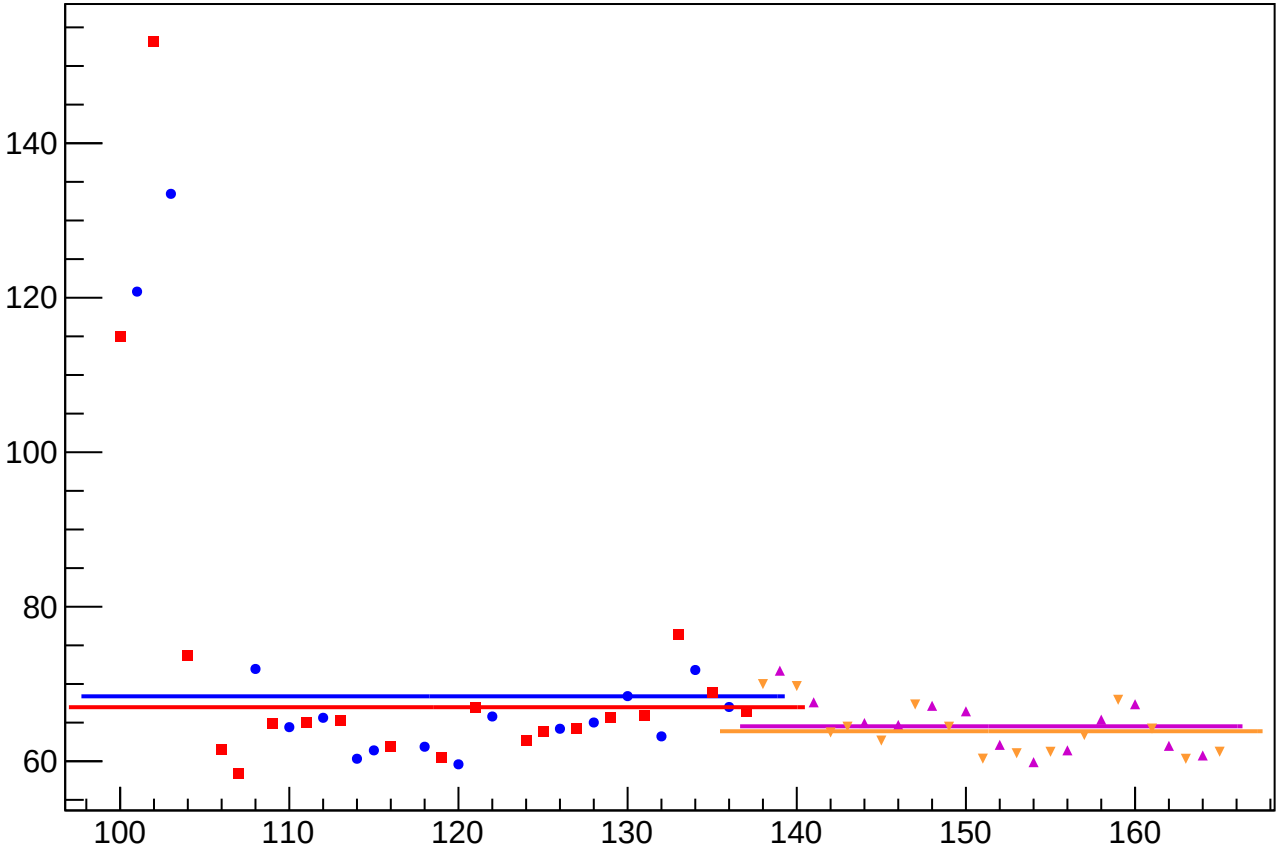
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.483+/-15.623 χ^2/NDF:56.8/28

Out: 56.691+/-14.960 χ^2/NDF:74.5/33

All: 52.287+/-10.805 χ^2/NDF: 131.5/62

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

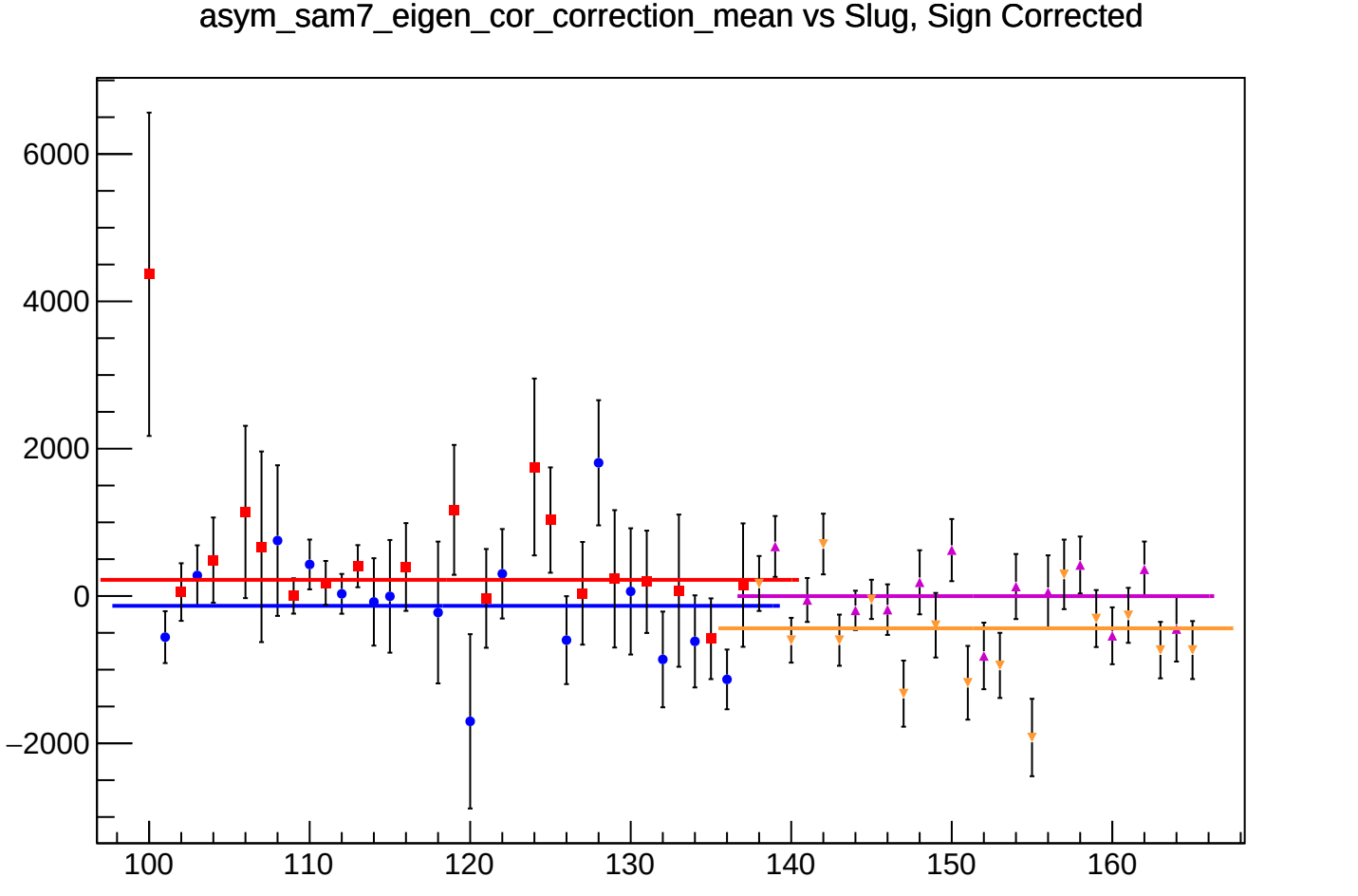
Left: 64.188+/-0.010 χ^2/NDF: 110186.6/27

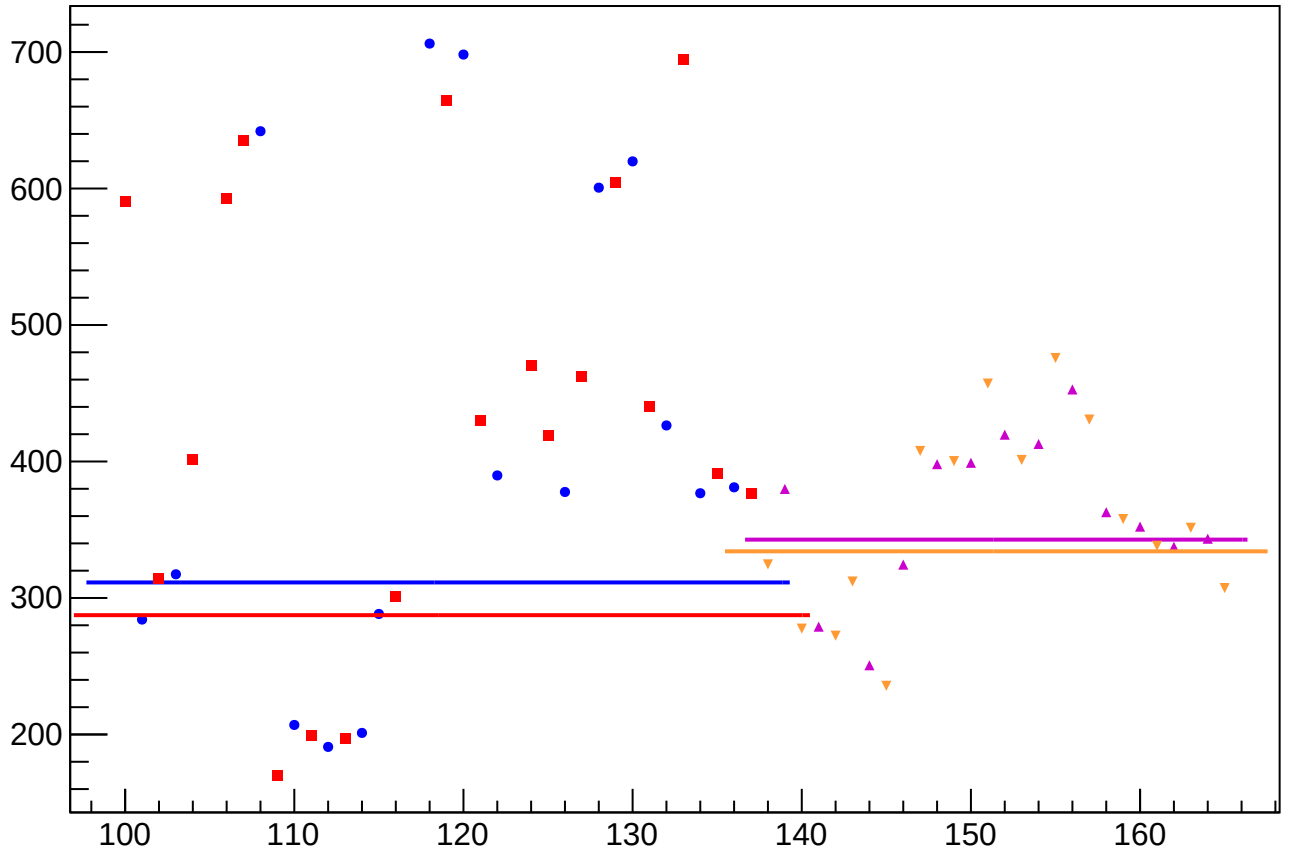
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.918+/-0.011 χ^2/NDF:651047.7/28

Out: 64.985+/-0.011 χ^2/NDF:560251.3/33

All: 65.431+/-0.008 χ^2/NDF: 1215024.1/62


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: -133.587+/-125.904 χ²/NDF: 22.5/15
Left Out: -438.496+/-99.592 χ²/NDF:32.3/14
Right Out: 219.615+/-117.989 χ²/NDF: 12.5/18
Left In: -1.809+/-105.328 χ²/NDF:14.3/12
Left: -232.367+/-72.365 χ²/NDF: 55.7/27
Right: 54.464+/-86.093 χ²/NDF: 39.2/34
In: -56.064+/-80.786 χ²/NDF:37.4/28
Out: -164.693+/-76.105 χ²/NDF:63.0/33
All: -113.617+/-55.395 χ²/NDF: 101.4/62



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.187+/-0.070 χ^2/NDF:913530.7/14

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

Left: 338.229+/-0.051 χ^2/NDF: 1551870.7/27

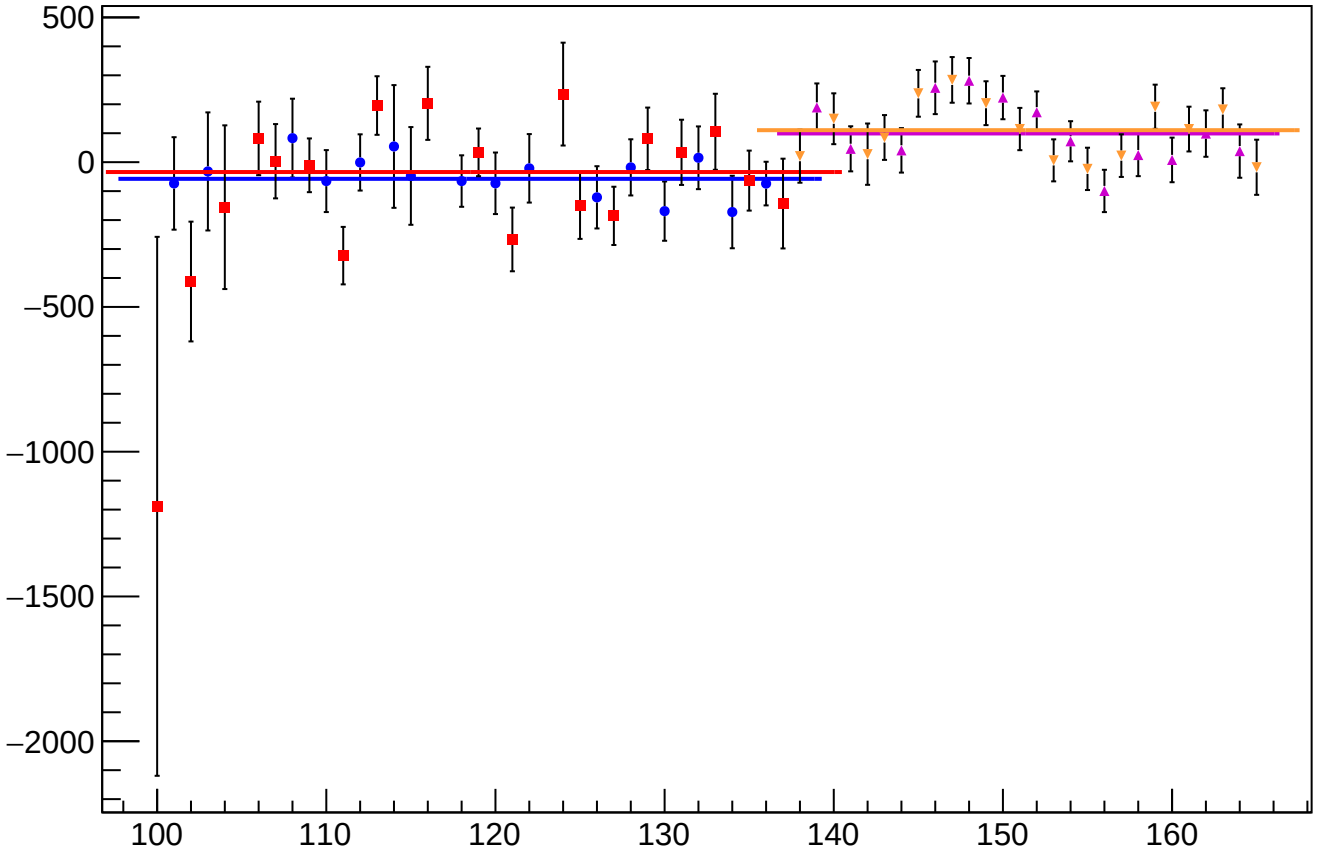
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 329.838+/-0.057 χ^2/NDF:2828165.2/28

Out: 314.727+/-0.054 χ^2/NDF:3787329.3/33

All: 321.832+/-0.039 χ^2/NDF: 6652569.2/62

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.477+/-20.509 χ^2/NDF:21.4/14

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 99.165+/-21.514 χ^2/NDF:24.8/12

Left: 105.091+/-14.845 χ^2/NDF: 46.4/27

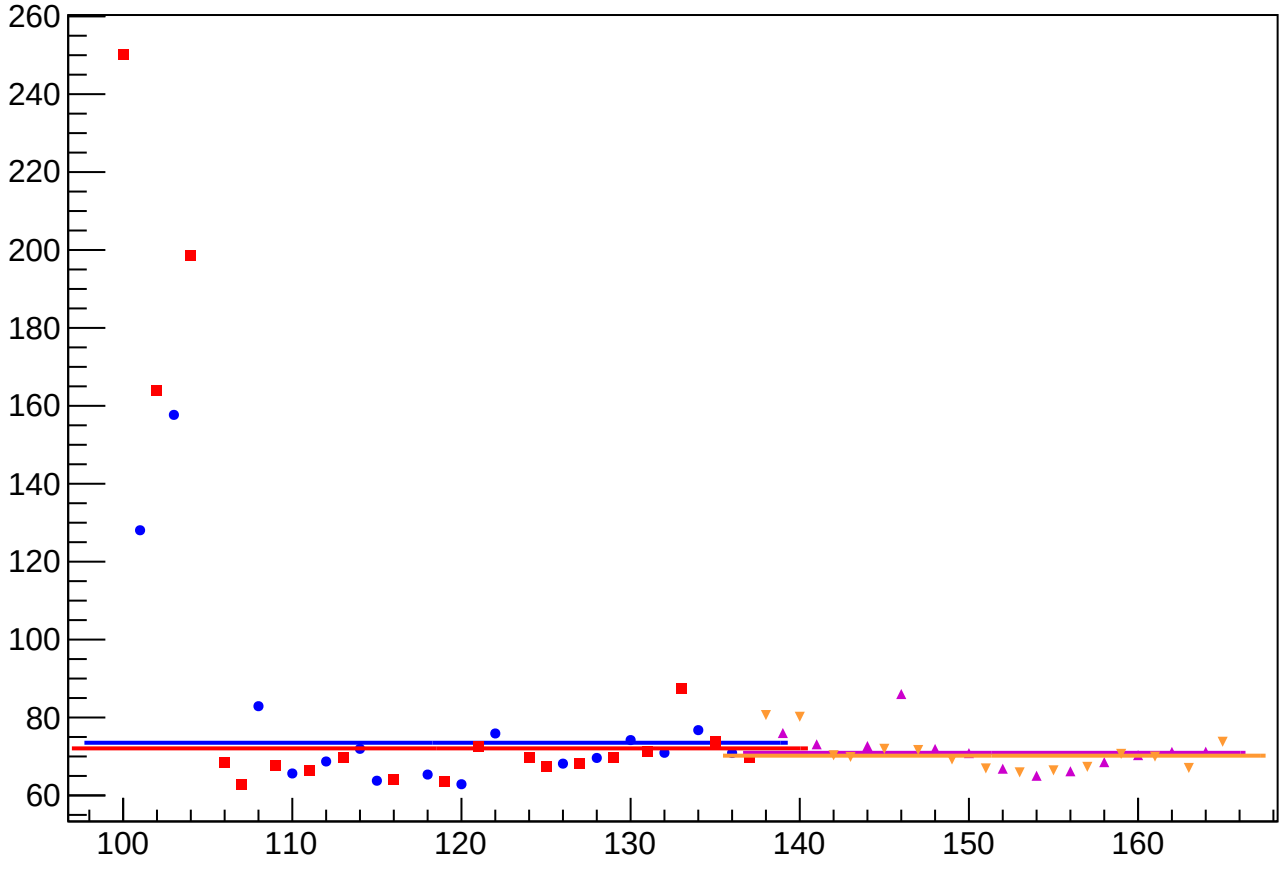
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 41.221+/-17.079 χ^2/NDF:49.3/28

Out: 58.582+/-16.418 χ^2/NDF:76.4/33

All: 50.244+/-11.836 χ^2/NDF: 126.3/62

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.204+/-0.015 χ^2/NDF:79637.7/14

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.934+/-0.015 χ^2/NDF:97084.1/12

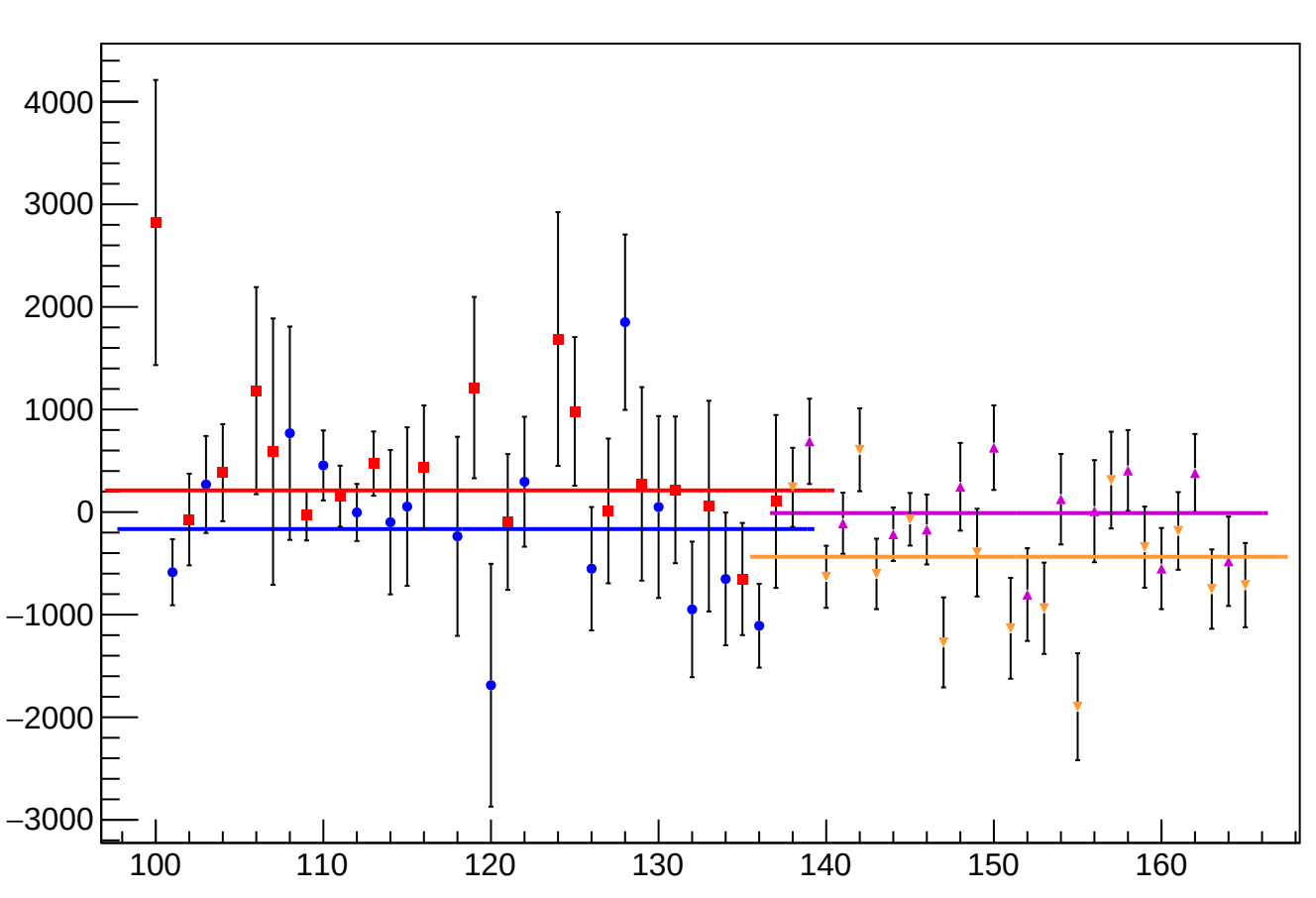
Left: 70.552+/-0.010 χ^2/NDF: 177928.8/27

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.890+/-0.012 χ^2/NDF:764606.3/28

Out: 70.876+/-0.012 χ^2/NDF:1044103.2/33

All: 71.363+/-0.008 χ^2/NDF: 1812376.8/62



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -435.670+/-99.251 χ^2/NDF:31.3/14

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -9.887+/-104.963 χ^2/NDF:14.9/12

Left: -234.678+/-72.116 χ^2/NDF: 54.9/27

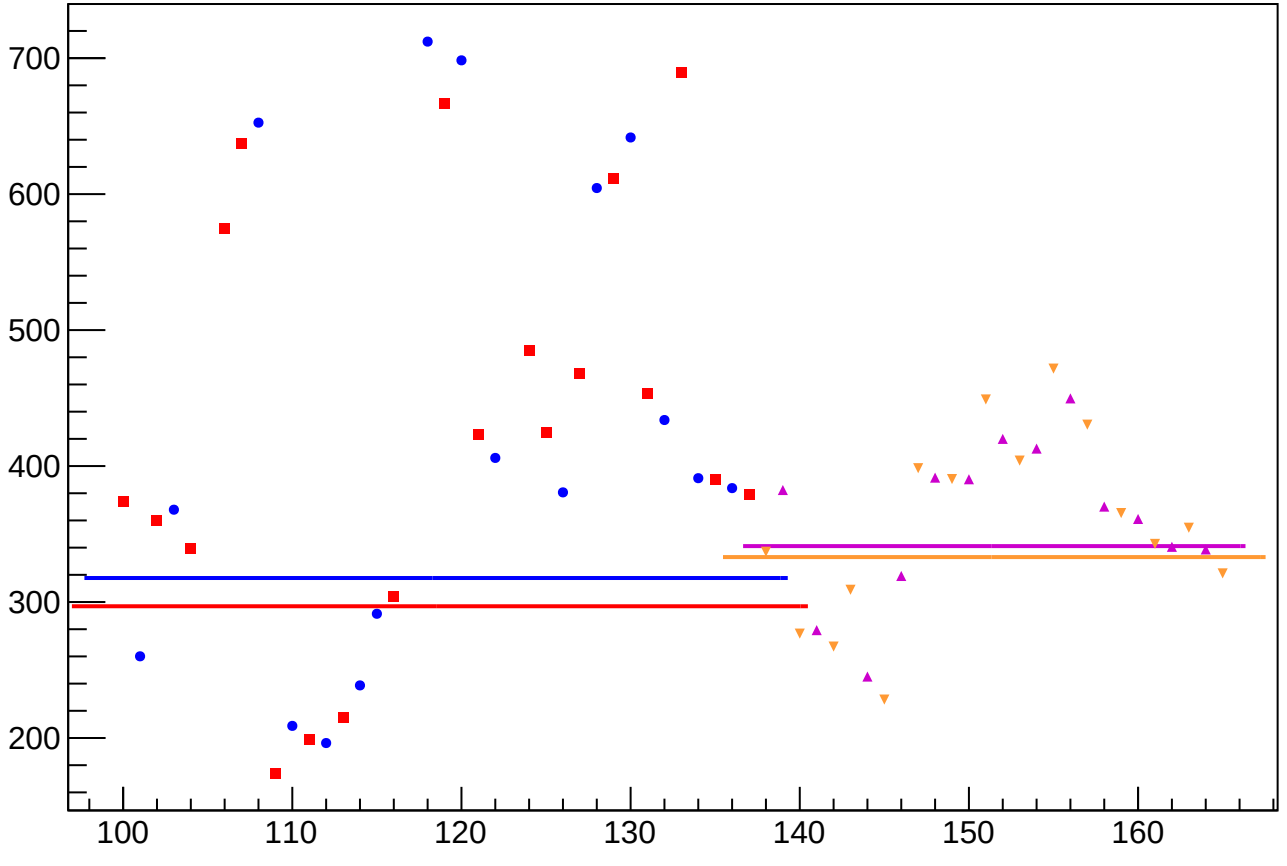
Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -72.200+/-81.275 χ^2/NDF:38.4/28

Out: -173.164+/-76.513 χ^2/NDF:62.2/33

All: -125.726+/-55.710 χ^2/NDF: 101.4/62

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 333.054+/-0.070 χ^2/NDF:958874.7/14

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 341.127+/-0.074 χ^2/NDF:665885.1/12

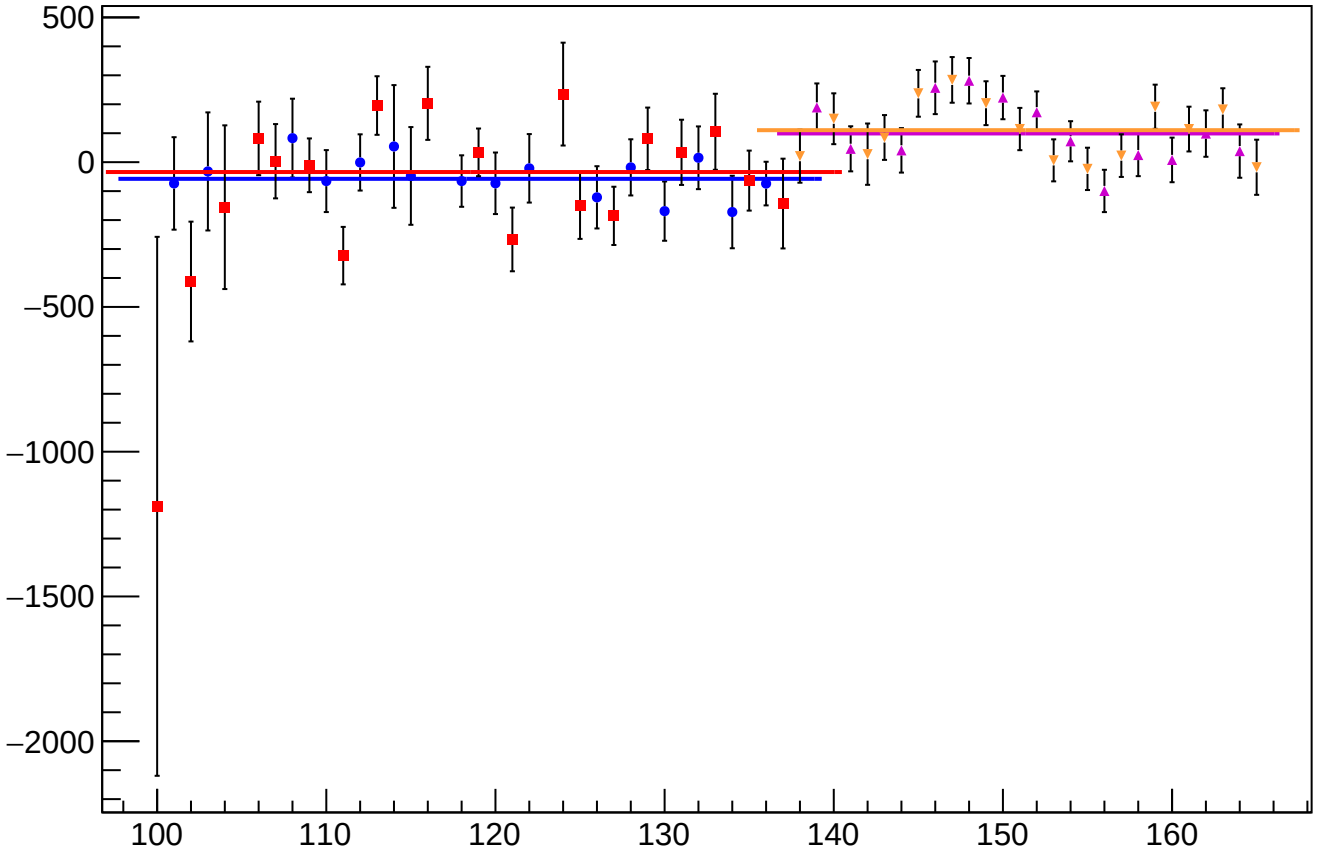
Left: 336.865+/-0.051 χ^2/NDF: 1631005.8/27

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 331.732+/-0.057 χ^2/NDF:2842095.7/28

Out: 318.381+/-0.054 χ^2/NDF:3607656.1/33

All: 324.654+/-0.039 χ^2/NDF: 6478362.2/62



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.477+/-20.509 χ^2/NDF:21.4/14

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 99.164+/-21.514 χ^2/NDF:24.8/12

Left: 105.091+/-14.845 χ^2/NDF: 46.4/27

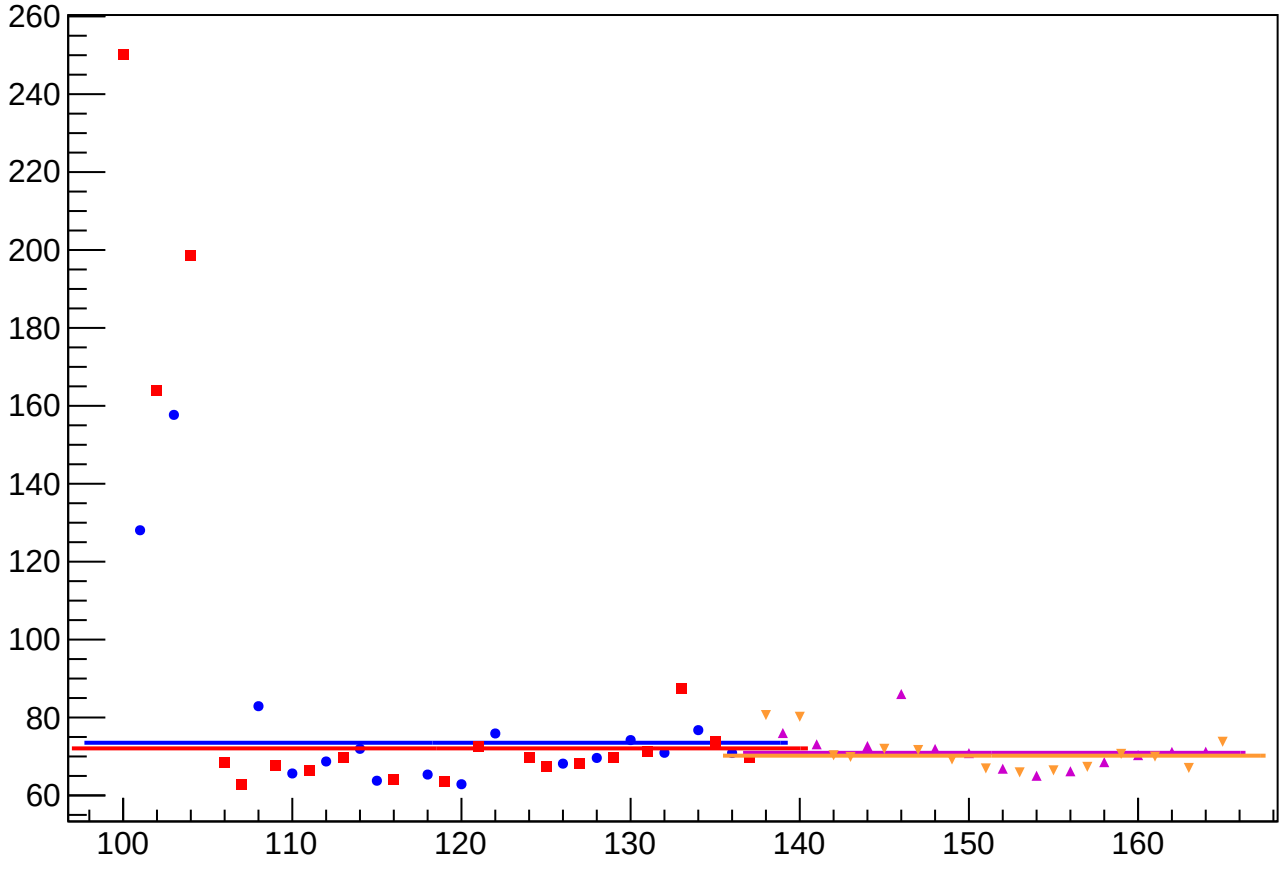
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 41.221+/-17.079 χ^2/NDF:49.3/28

Out: 58.582+/-16.418 χ^2/NDF:76.4/33

All: 50.244+/-11.836 χ^2/NDF: 126.3/62

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.204+/-0.015 χ^2/NDF:79637.0/14

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.934+/-0.015 χ^2/NDF:97084.6/12

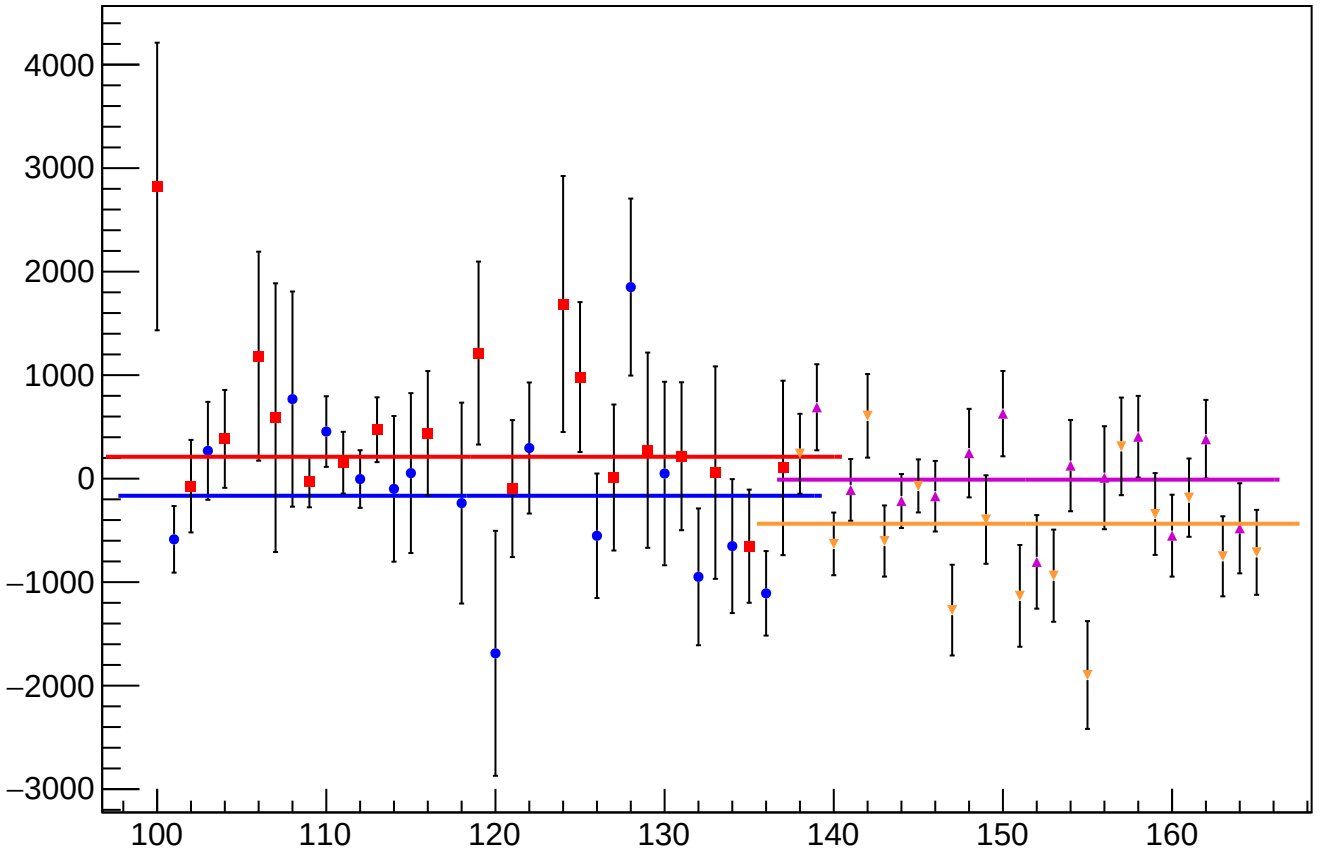
Left: 70.552+/-0.010 χ^2/NDF: 177928.6/27

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.890+/-0.012 χ^2/NDF:764607.5/28

Out: 70.876+/-0.012 χ^2/NDF:1044103.2/33

All: 71.363+/-0.008 χ^2/NDF: 1812377.9/62



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -435.669+/-99.251 χ^2/NDF:31.3/14

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -9.888+/-104.963 χ^2/NDF:14.9/12

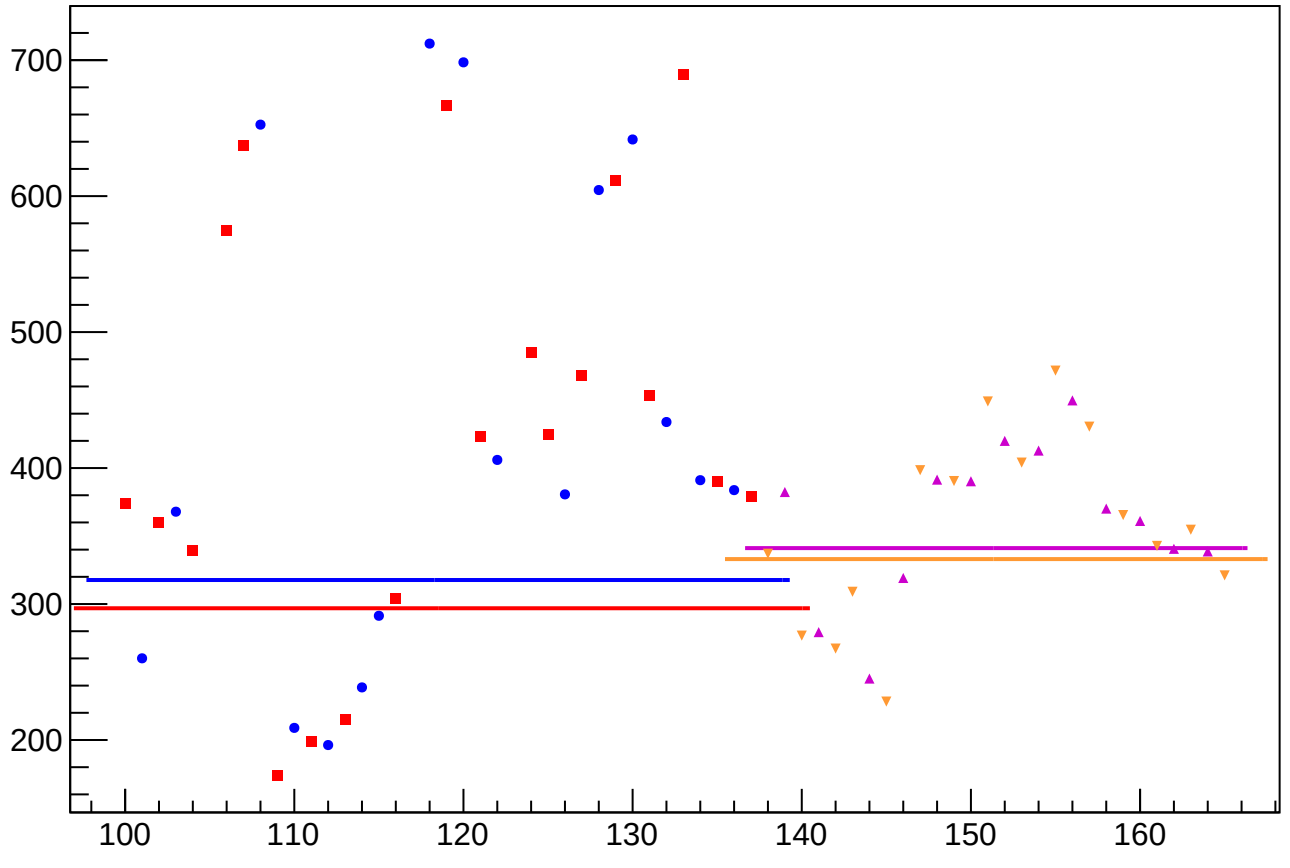
Left: -234.678+/-72.116 χ^2/NDF: 54.9/27

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -72.200+/-81.275 χ^2/NDF:38.4/28

Out: -173.163+/-76.512 χ^2/NDF:62.2/33

All: -125.726+/-55.710 χ^2/NDF: 101.4/62



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.054+/-0.070 χ^2/NDF:958885.9/14

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 341.127+/-0.074 χ^2/NDF:665891.1/12

Left: 336.865+/-0.051 χ^2/NDF: 1631023.4/27

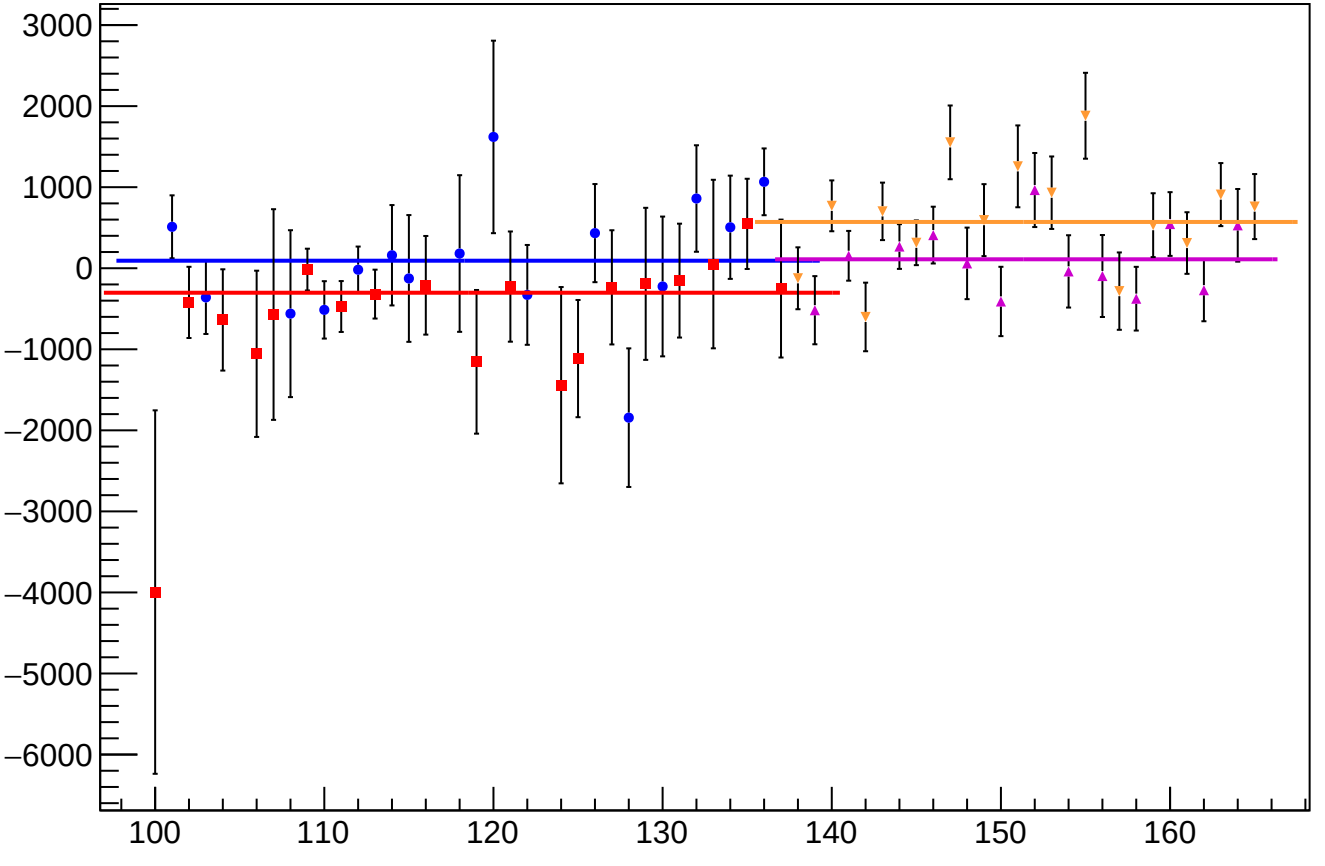
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 331.730+/-0.057 χ^2/NDF:2842141.2/28

Out: 318.380+/-0.054 χ^2/NDF:3607685.2/33

All: 324.653+/-0.039 χ^2/NDF: 6478436.0/62

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 570.972+/-101.709 χ^2/NDF:30.3/14

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 110.310+/-107.451 χ^2/NDF:13.2/12

Left: 353.278+/-73.866 χ^2/NDF: 53.2/27

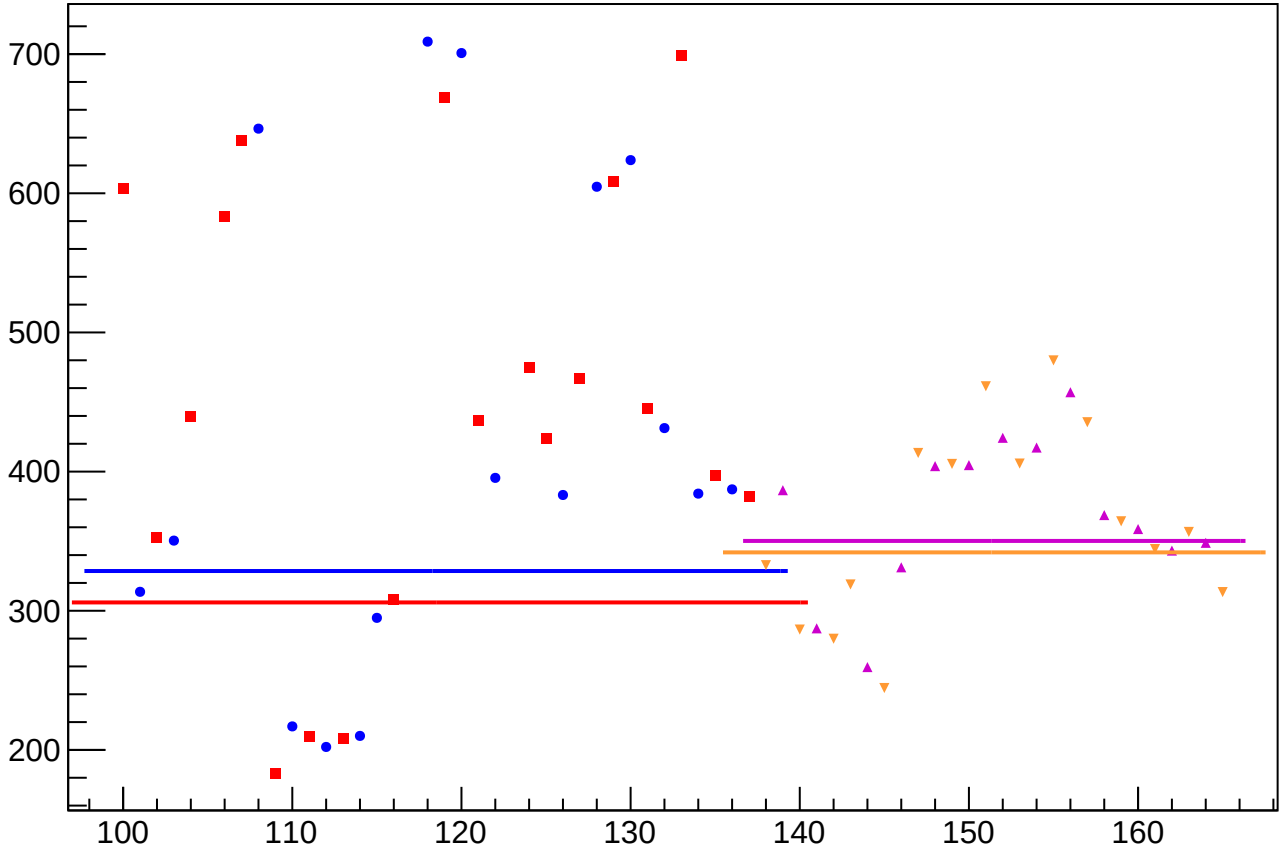
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 103.328+/-83.314 χ^2/NDF:34.0/28

Out: 219.476+/-78.618 χ^2/NDF:70.8/33

All: 164.767+/-57.179 χ^2/NDF: 105.9/62

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 341.955+/-0.072 χ^2/NDF:839507.7/14

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.183+/-0.076 χ^2/NDF:576024.6/12

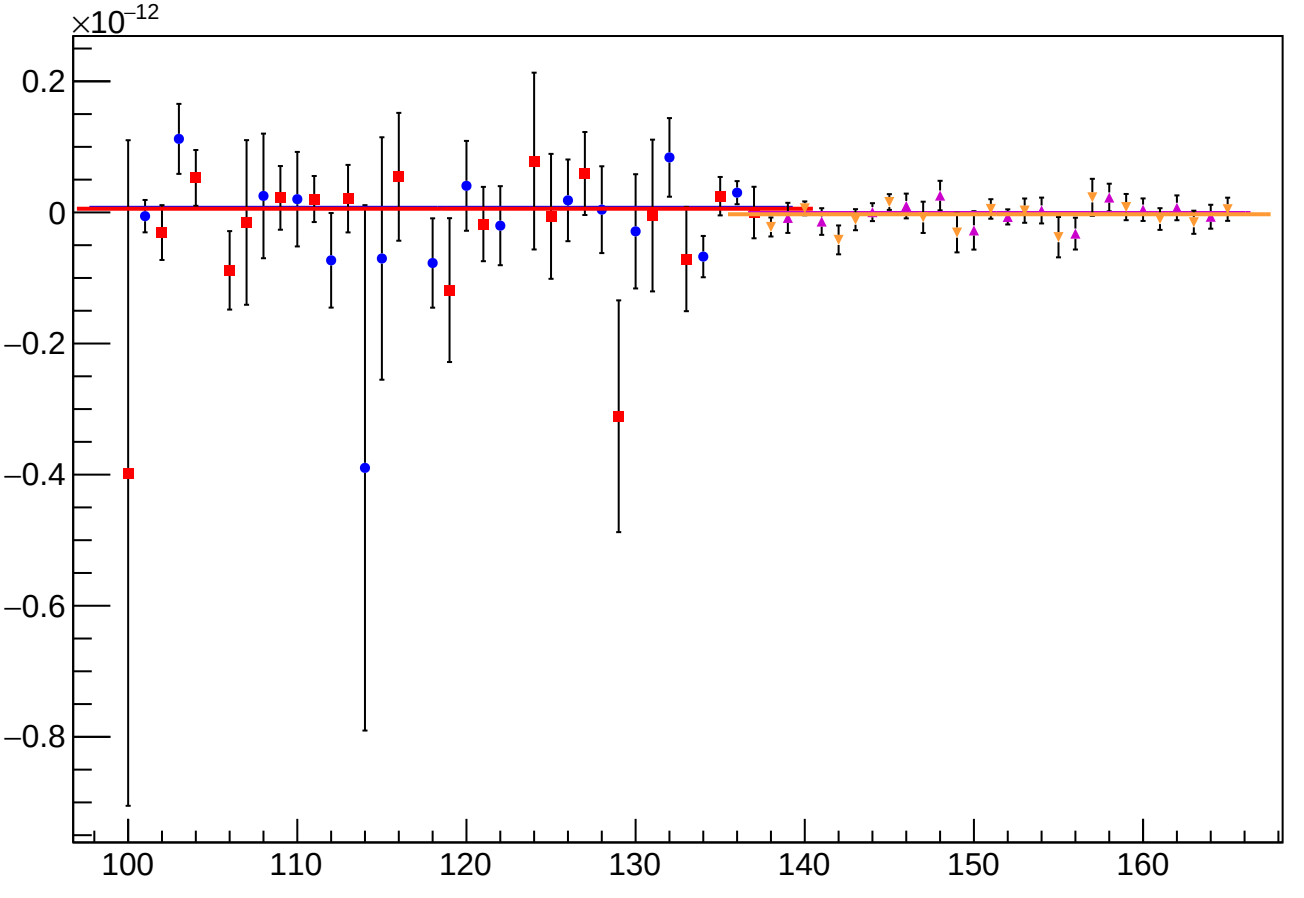
Left: 345.843+/-0.052 χ^2/NDF: 1421717.7/27

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 341.562+/-0.059 χ^2/NDF:2567178.1/28

Out: 327.478+/-0.056 χ^2/NDF:3467640.0/33

All: 334.112+/-0.040 χ^2/NDF: 6065053.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/12

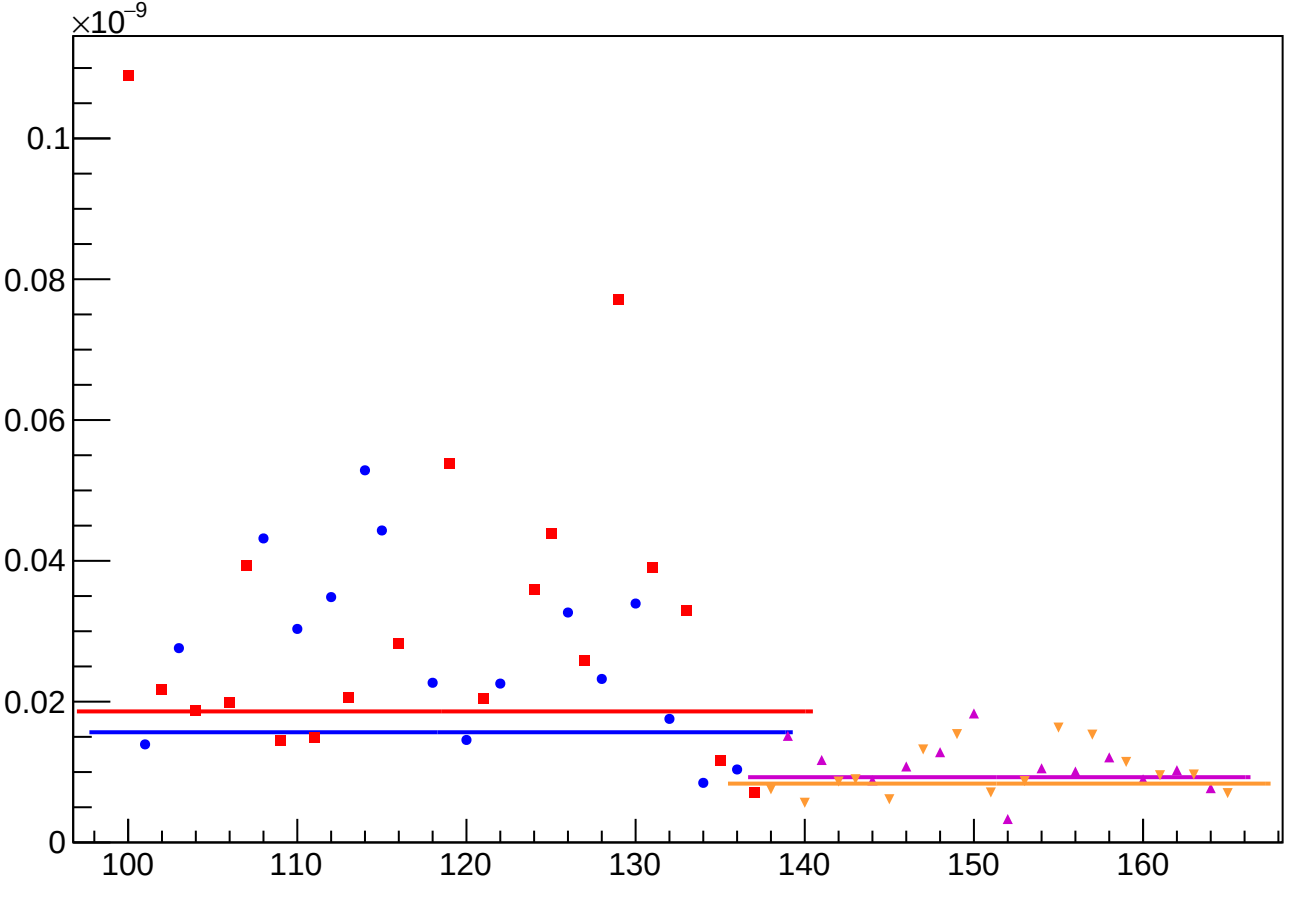
Left: -0.000+/-0.000 χ^2/NDF: 19.6/27

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.8/28

Out: -0.000+/-0.000 χ^2/NDF:26.1/33

All: -0.000+/-0.000 χ^2/NDF: 51.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:751739.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1012188.8/12

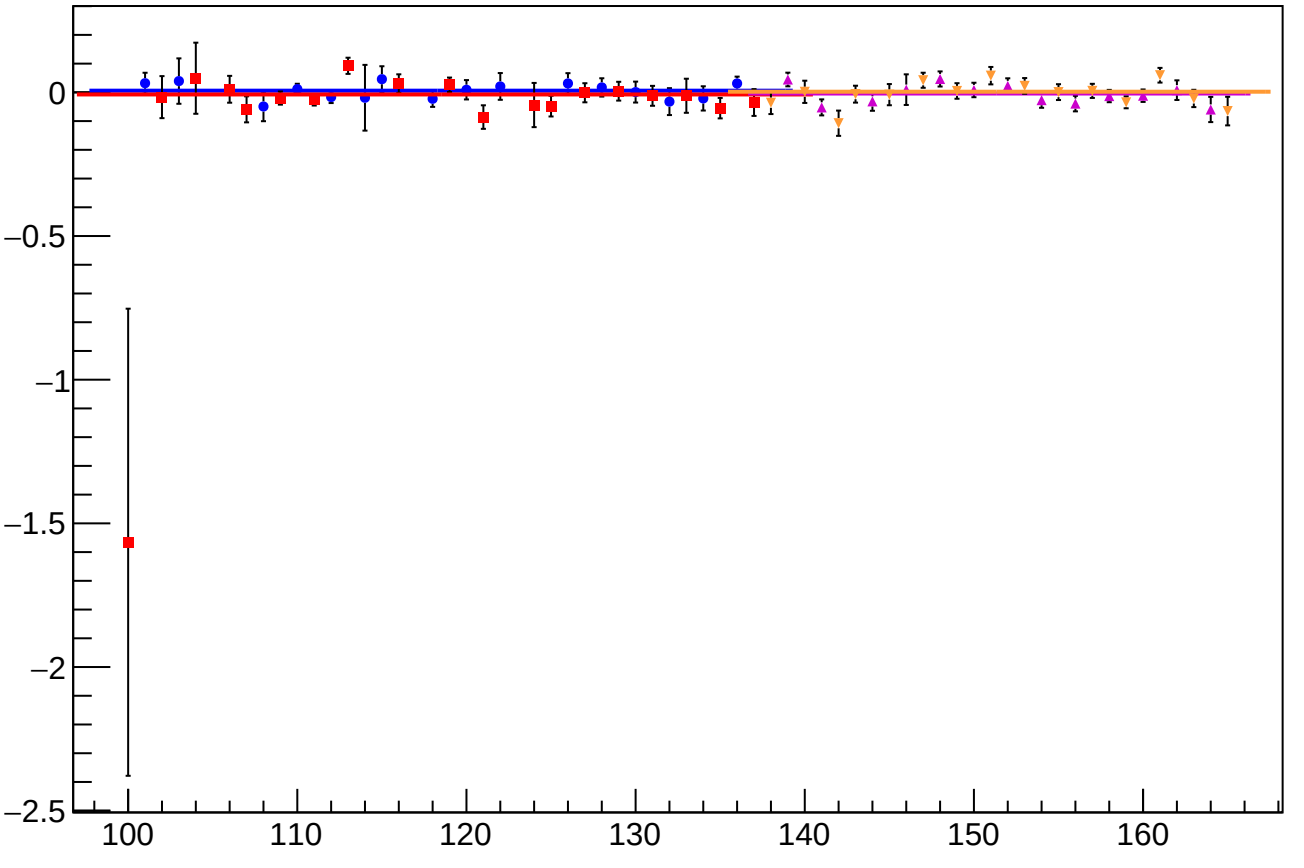
Left: 0.000+/-0.000 χ^2/NDF: 1800851.7/27

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2735815.8/28

Out: 0.000+/-0.000 χ^2/NDF:3122920.7/33

All: 0.000+/-0.000 χ^2/NDF: 5907000.8/62



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

Left: -0.001+/-0.005 χ^2/NDF: 42.0/27

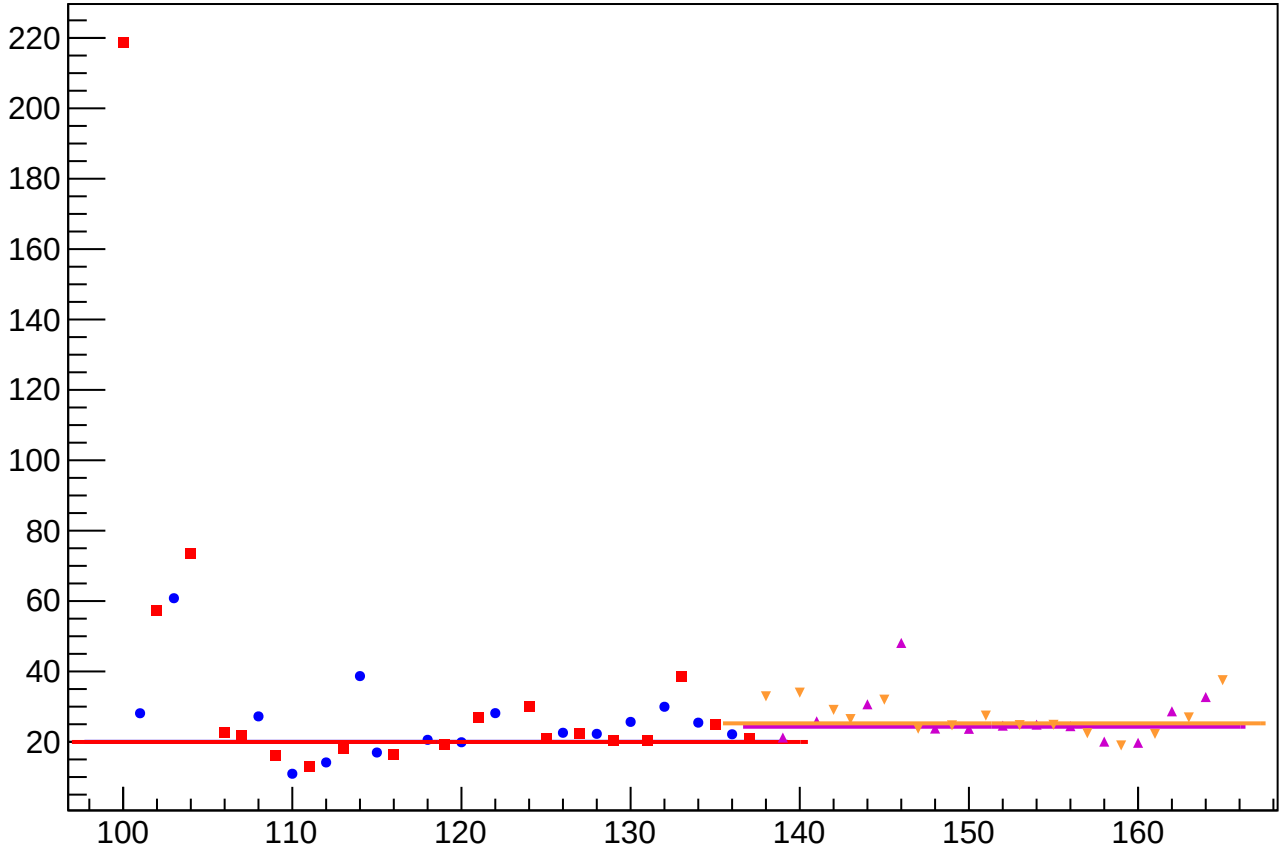
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.0/62

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.252+/-0.005 χ^2/NDF:648971.9/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

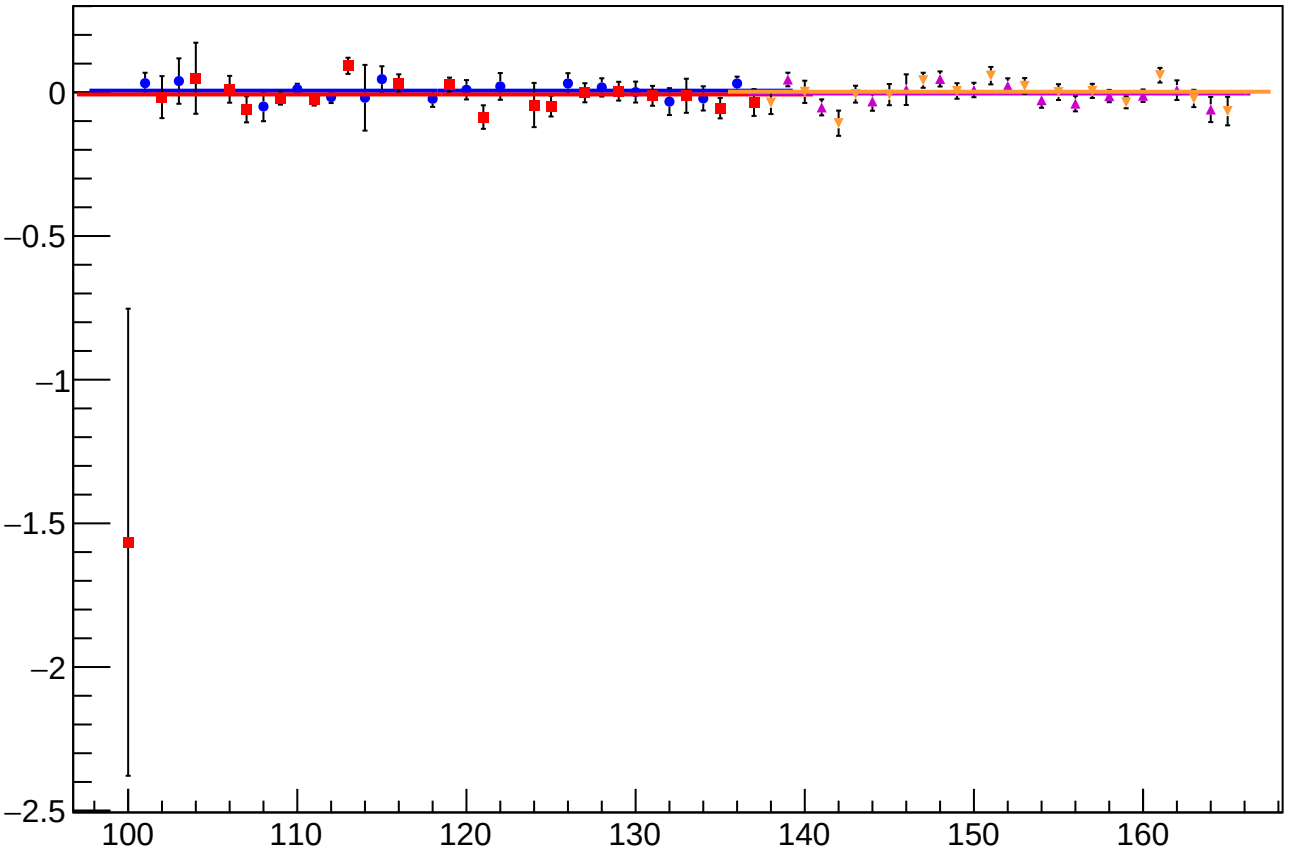
Left: 24.773+/-0.004 χ^2/NDF: 1454872.2/27

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.295+/-0.004 χ^2/NDF:2726674.1/28

Out: 22.775+/-0.004 χ^2/NDF:2819905.2/33

All: 22.537+/-0.003 χ^2/NDF: 5554051.0/62



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

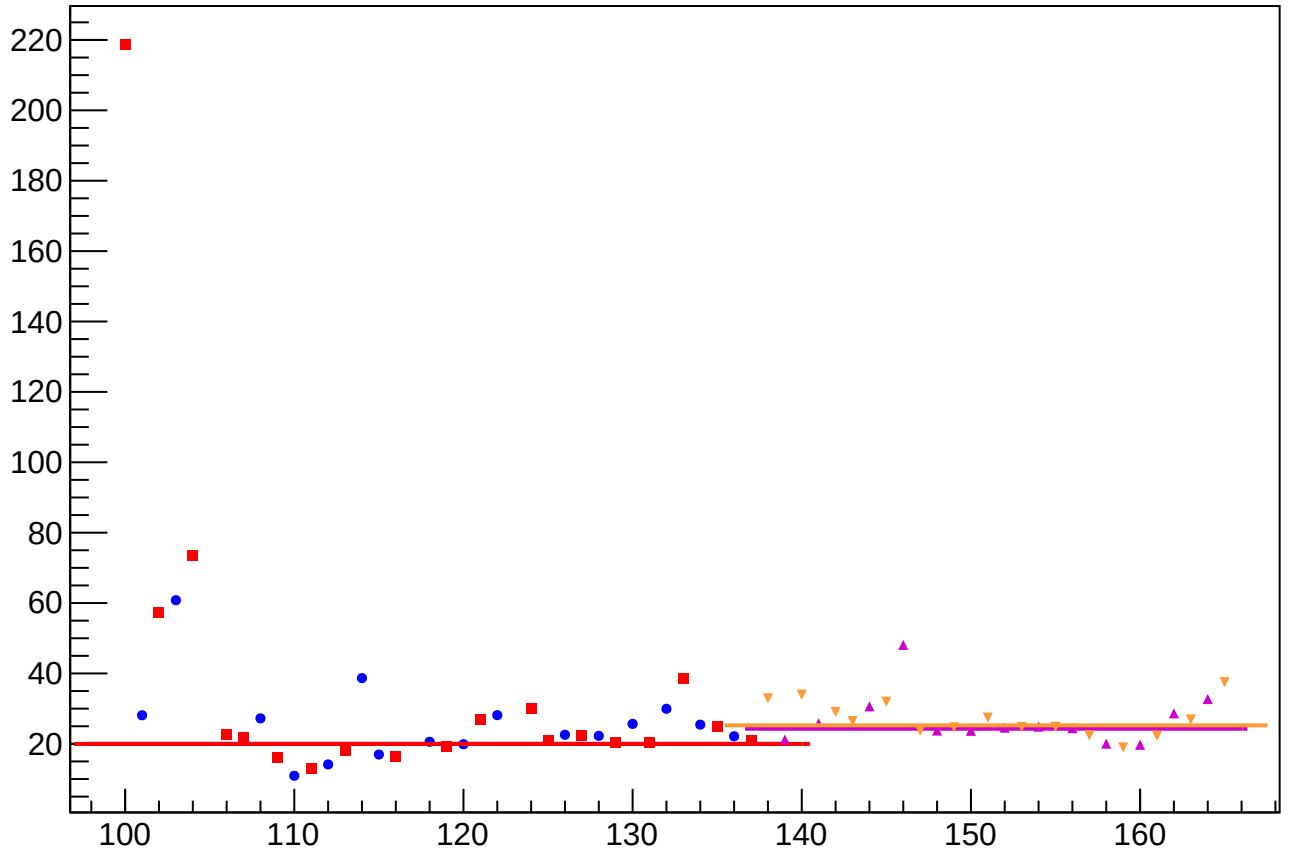
Left: -0.001+/-0.005 χ^2/NDF: 42.0/27

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.0/62



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.252+/-0.005 χ^2/NDF:648971.9/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

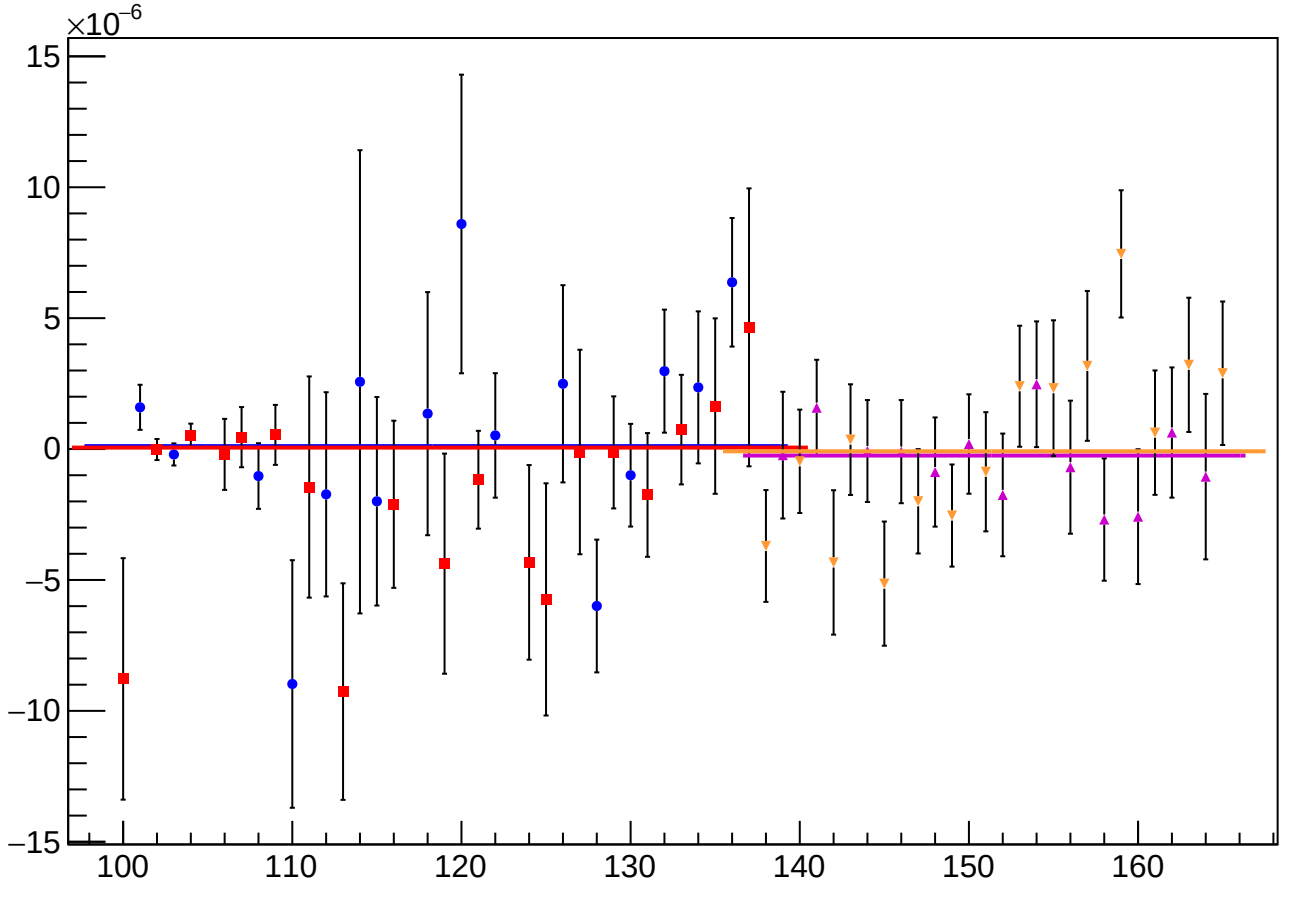
Left: 24.773+/-0.004 χ^2/NDF: 1454872.2/27

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.295+/-0.004 χ^2/NDF:2726674.1/28

Out: 22.775+/-0.004 χ^2/NDF:2819905.2/33

All: 22.537+/-0.003 χ^2/NDF: 5554051.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/12

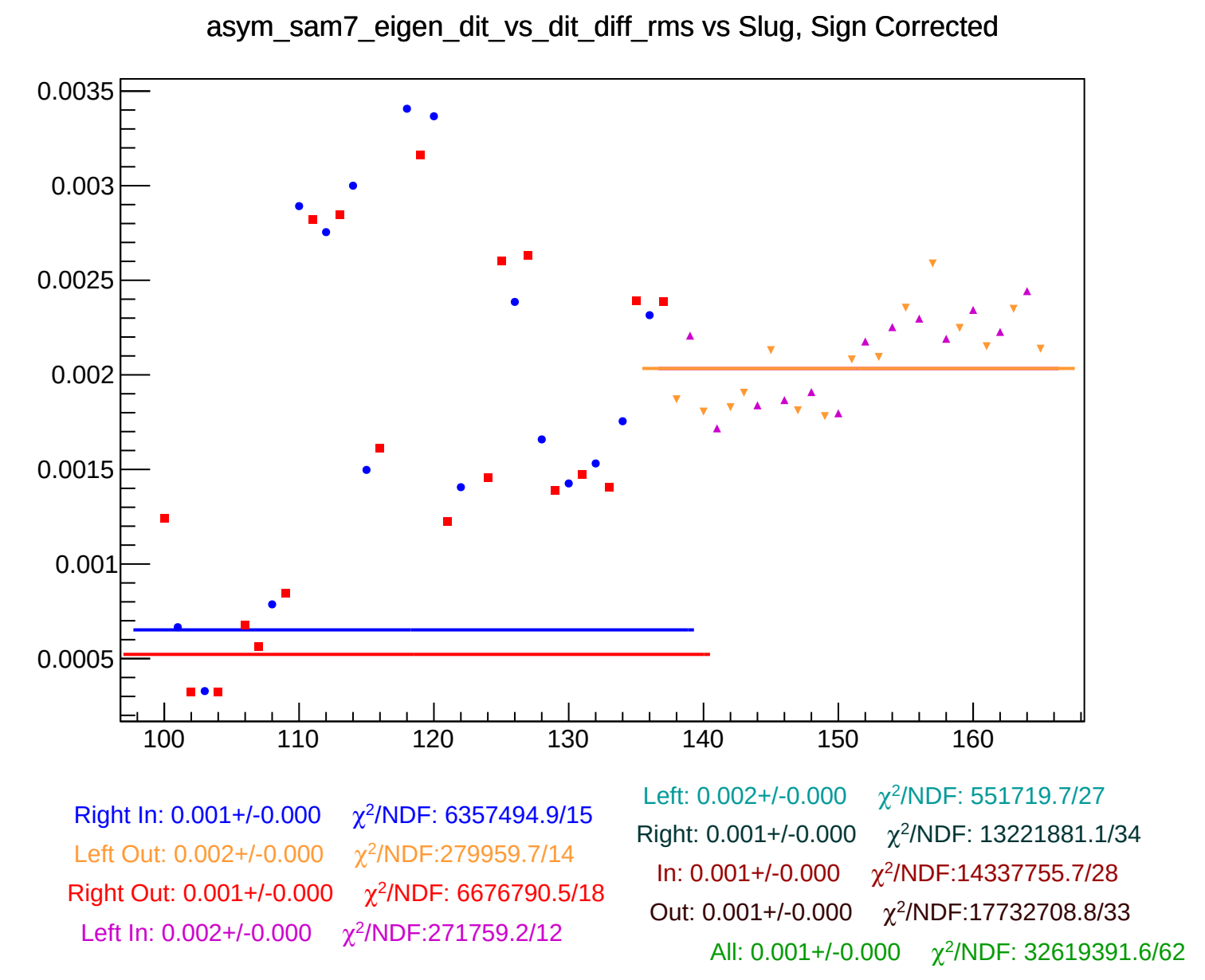
Left: -0.000+/-0.000 χ^2/NDF: 33.4/27

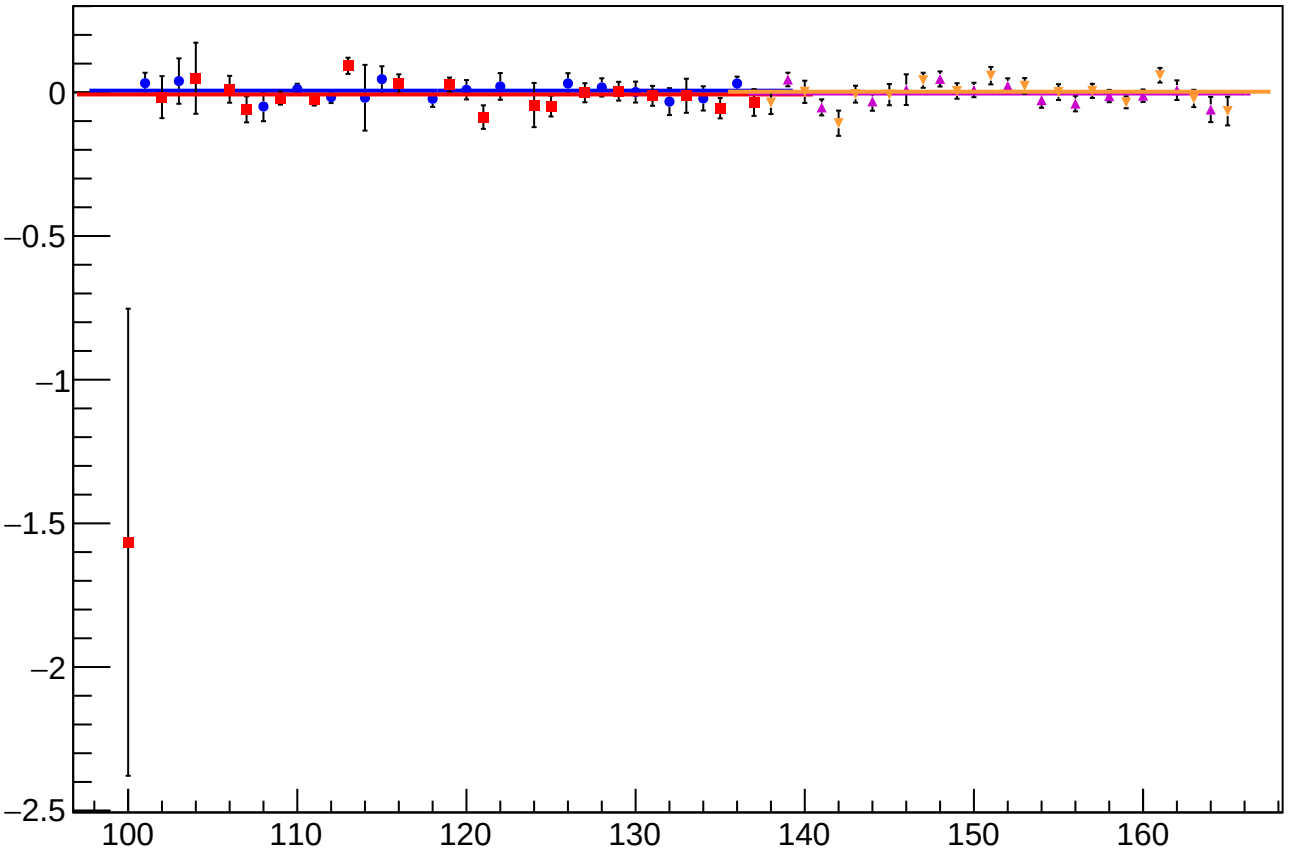
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.3/28

Out: 0.000+/-0.000 χ^2/NDF:45.5/33

All: 0.000+/-0.000 χ^2/NDF: 76.8/62


asym_sam7_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
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:279959.7/14
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:271759.2/12
Left: 0.002+/-0.000 χ²/NDF: 551719.7/27
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:14337755.7/28
Out: 0.001+/-0.000 χ²/NDF:17732708.8/33
All: 0.001+/-0.000 χ²/NDF: 32619391.6/62



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

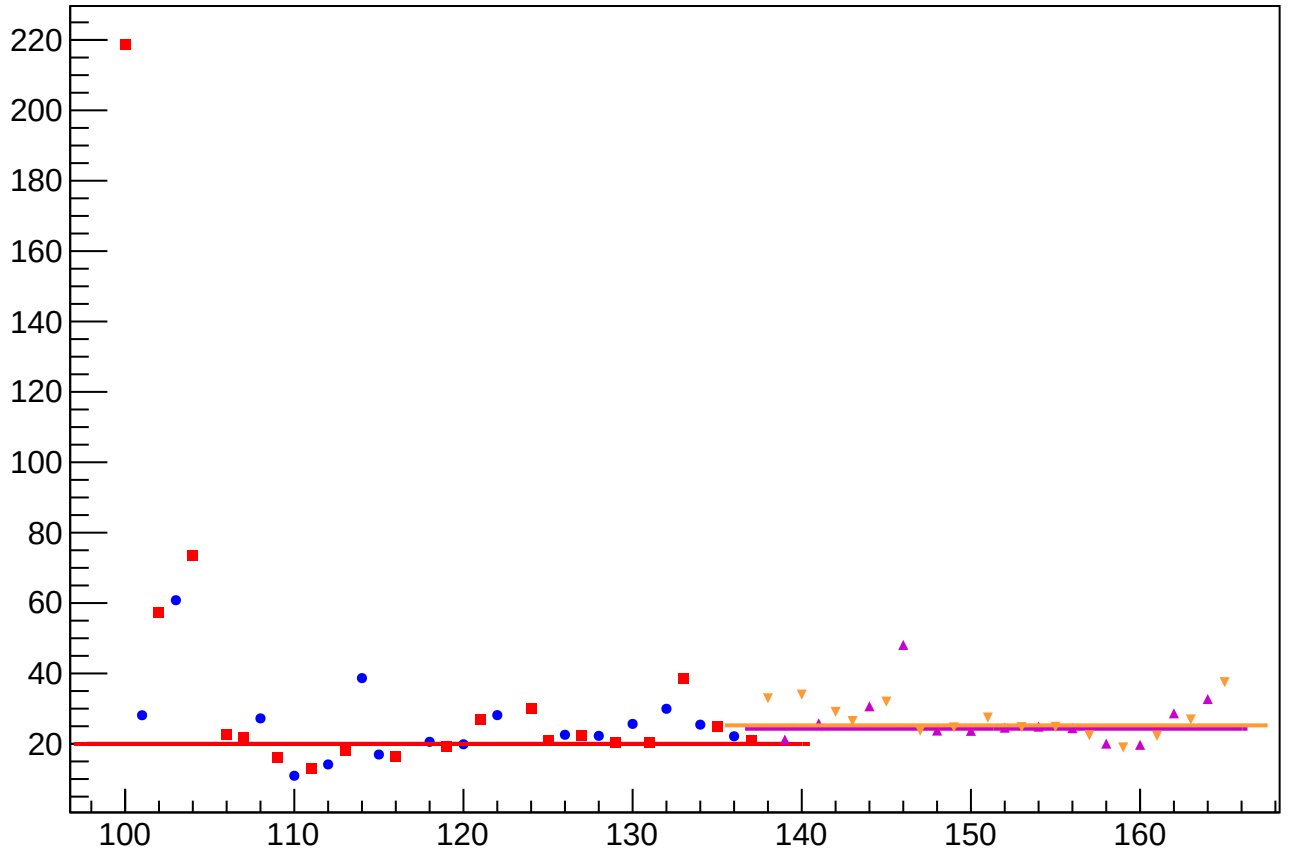
Left: -0.001+/-0.005 χ^2/NDF: 42.0/27

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.0/62



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.252+/-0.005 χ^2/NDF:649009.2/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

Left: 24.773+/-0.004 χ^2/NDF: 1454950.0/27

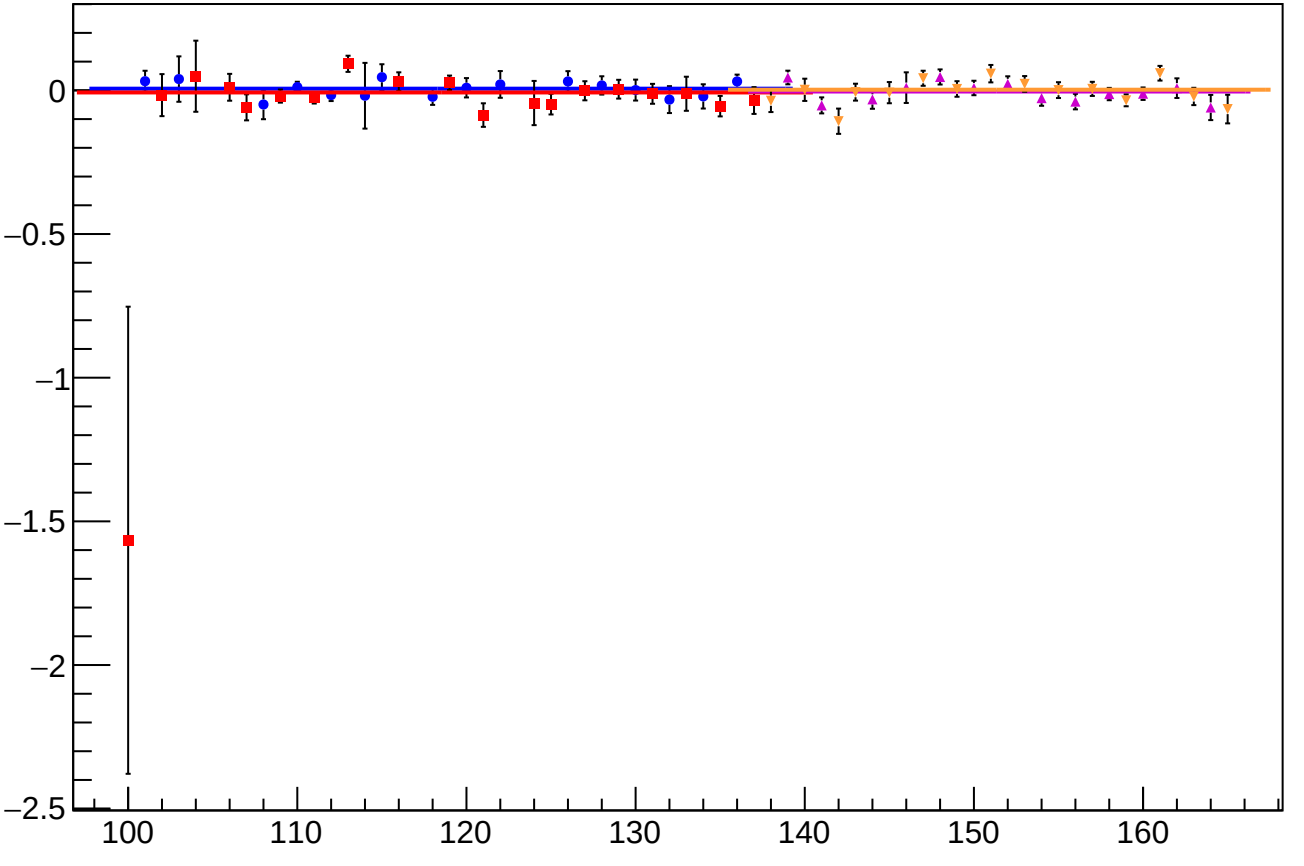
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.295+/-0.004 χ^2/NDF:2726456.7/28

Out: 22.775+/-0.004 χ^2/NDF:2819845.3/33

All: 22.537+/-0.003 χ^2/NDF: 5553768.5/62

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

Left: -0.001+/-0.005 χ^2/NDF: 42.0/27

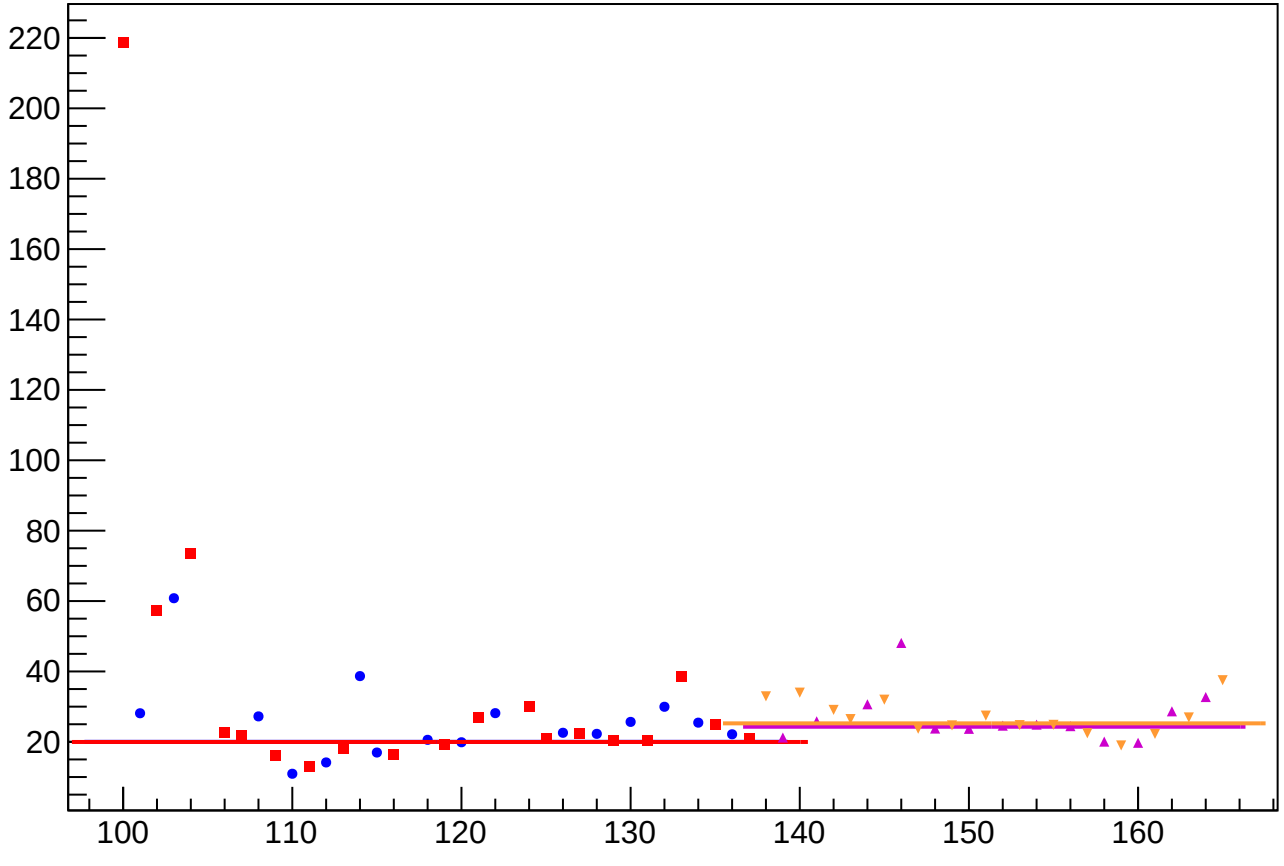
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.0/62

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: 25.252+/-0.005 χ^2/NDF:649009.2/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

Left: 24.773+/-0.004 χ^2/NDF: 1454950.0/27

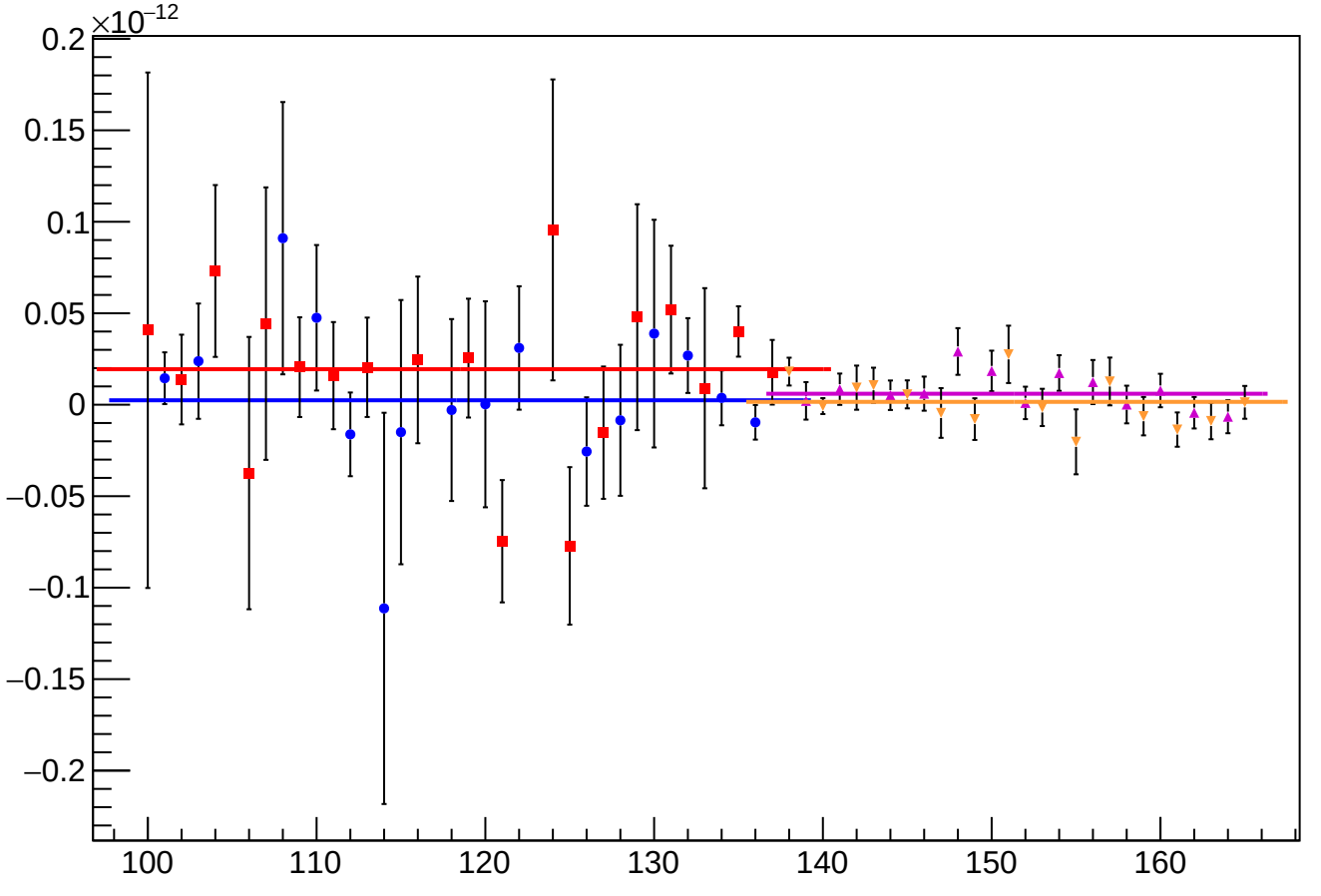
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.295+/-0.004 χ^2/NDF:2726456.7/28

Out: 22.775+/-0.004 χ^2/NDF:2819845.3/33

All: 22.537+/-0.003 χ^2/NDF: 5553768.5/62

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

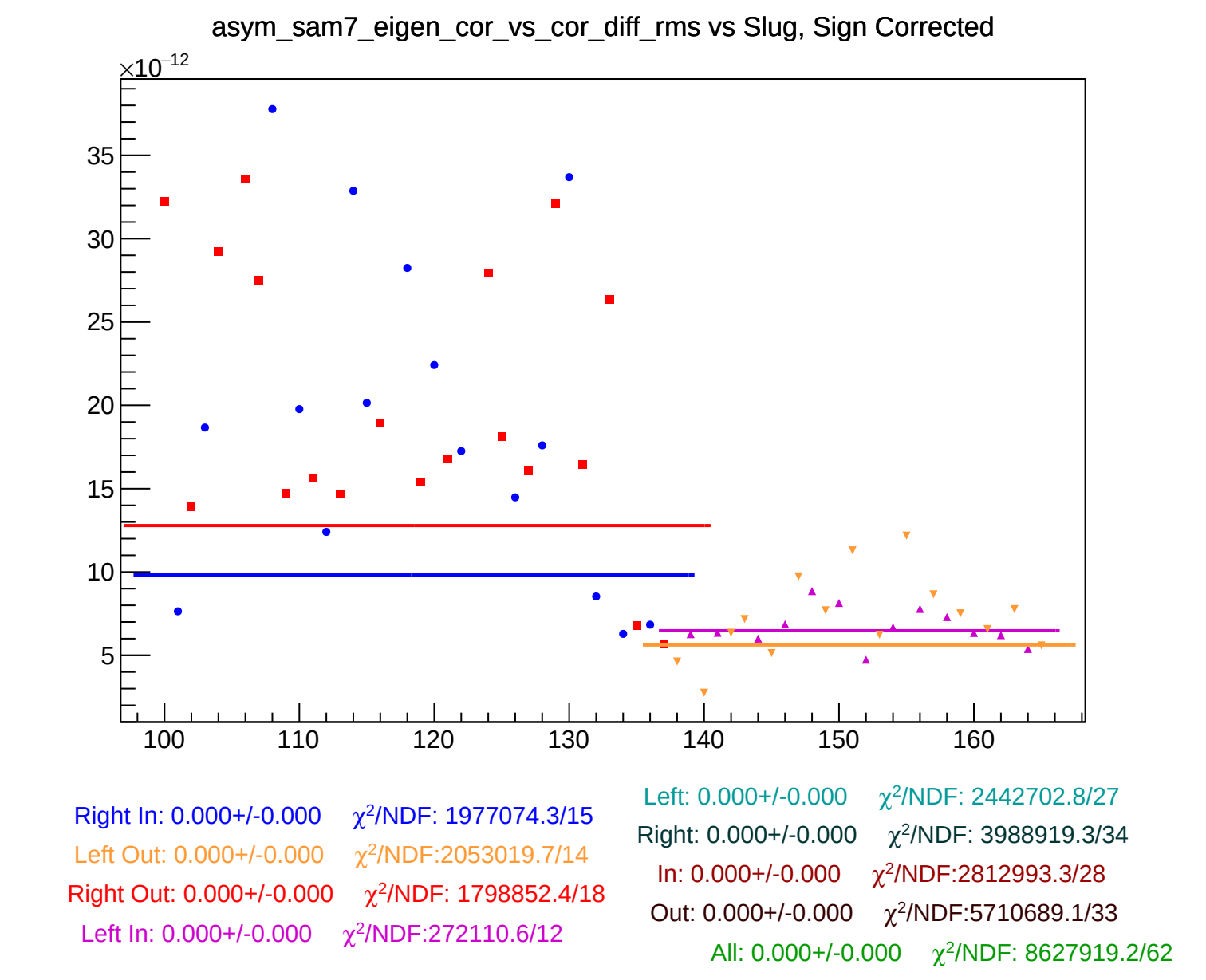
Left: 0.000+/-0.000 χ^2/NDF: 28.9/27

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/28

Out: 0.000+/-0.000 χ^2/NDF:42.8/33

All: 0.000+/-0.000 χ^2/NDF: 64.9/62


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
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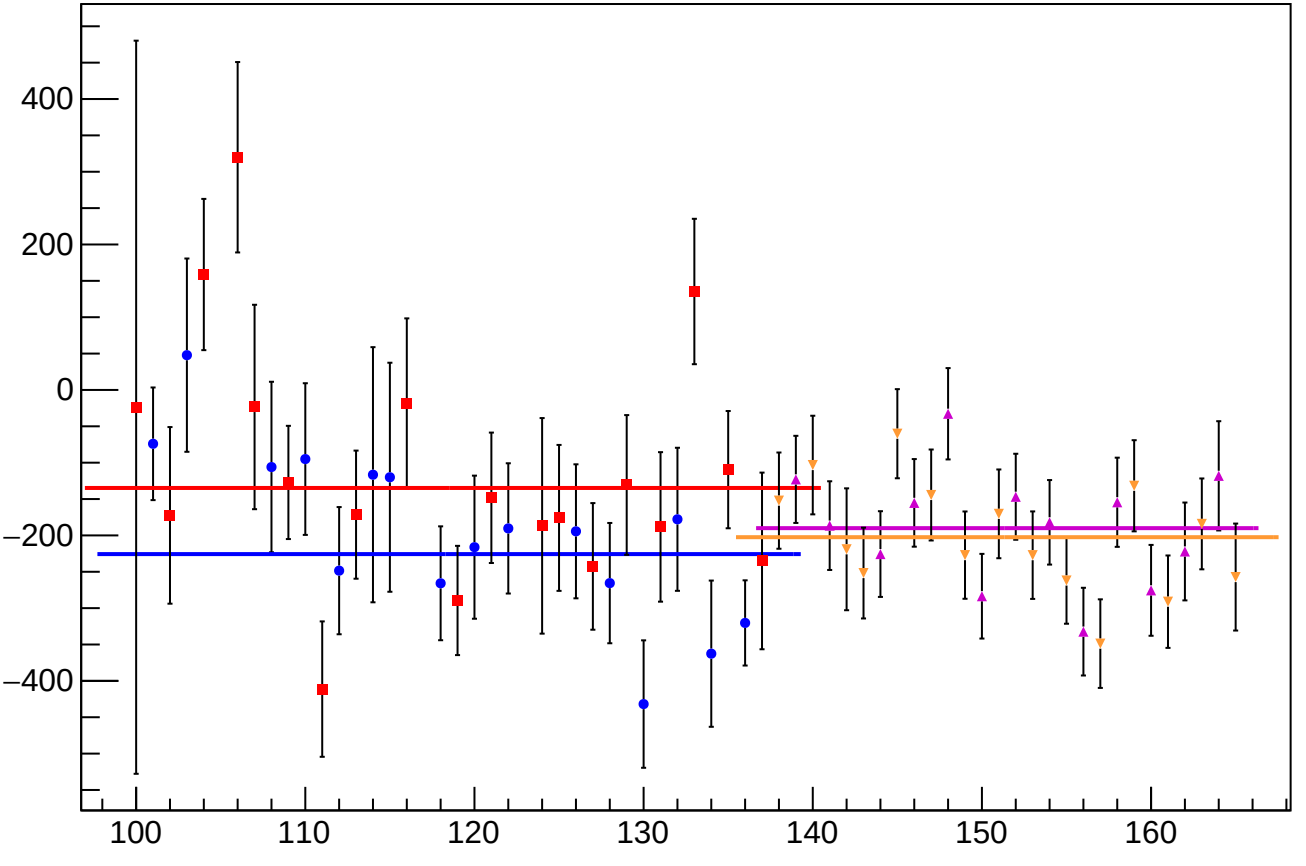
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2053019.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:272110.6/12
Left: 0.000+/-0.000 χ²/NDF: 2442702.8/27
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2812993.3/28
Out: 0.000+/-0.000 χ²/NDF:5710689.1/33
All: 0.000+/-0.000 χ²/NDF: 8627919.2/62

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.454+/-16.470 χ^2/NDF:20.9/14

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -190.014+/-17.055 χ^2/NDF:20.3/12

Left: -196.451+/-11.847 χ^2/NDF: 41.5/27

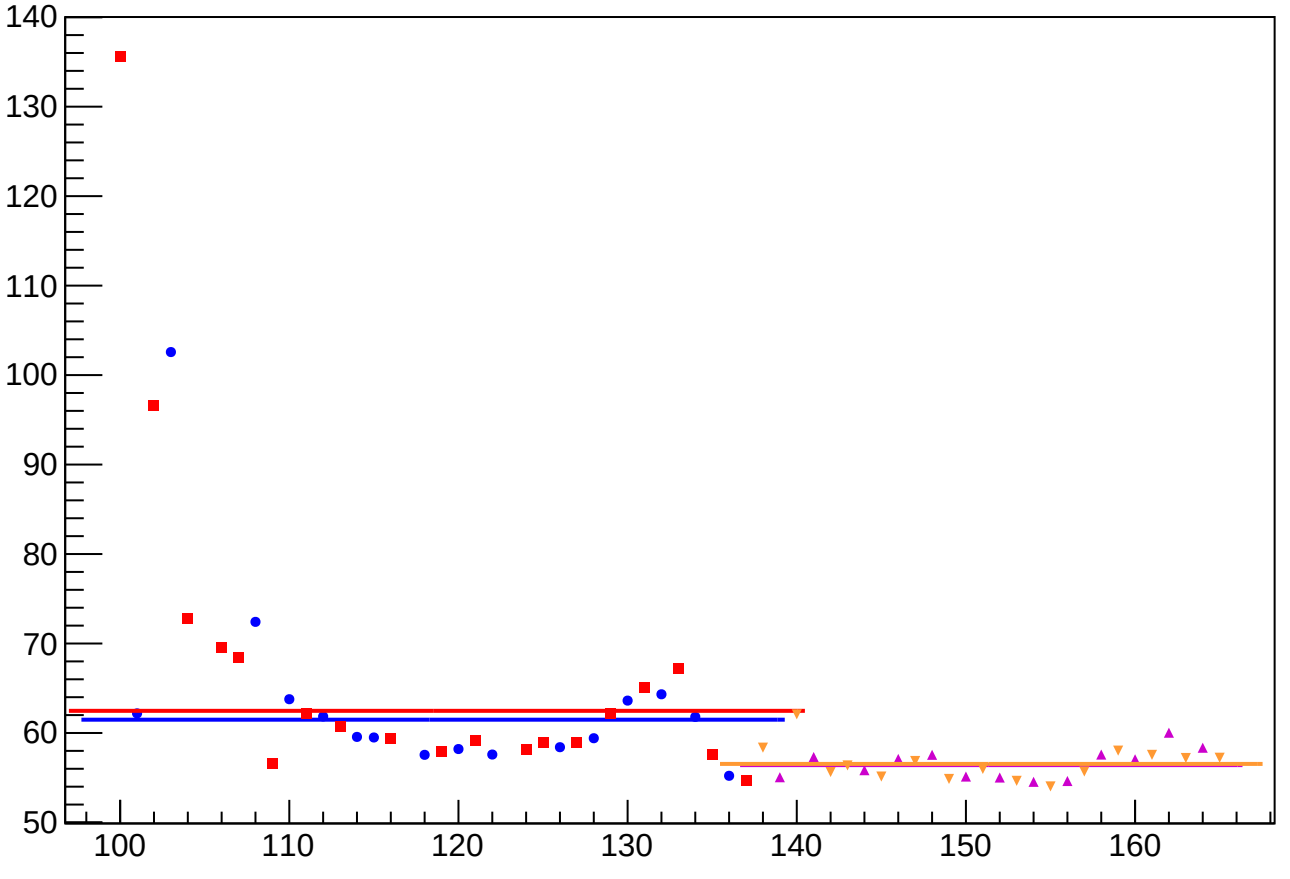
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -202.587+/-13.724 χ^2/NDF:44.4/28

Out: -179.760+/-13.428 χ^2/NDF:71.8/33

All: -190.925+/-9.598 χ^2/NDF: 117.7/62

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

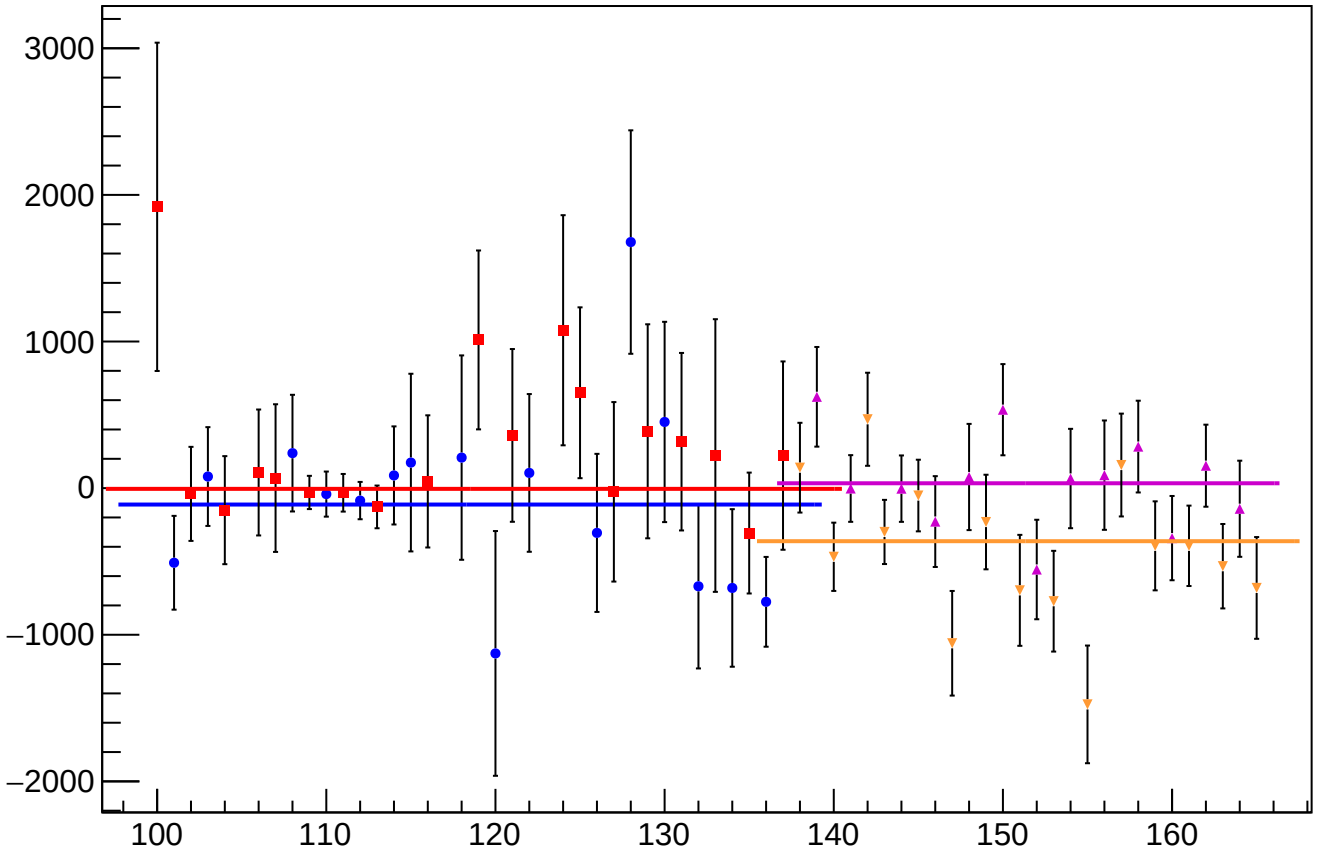
Left: 56.478+/-0.008 χ^2/NDF: 42558.4/27

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.198+/-0.010 χ^2/NDF:329682.7/28

Out: 58.532+/-0.009 χ^2/NDF:394096.8/33

All: 58.369+/-0.007 χ^2/NDF: 724384.4/62



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -361.882+/-77.043 χ^2/NDF:28.7/14

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 33.219+/-83.083 χ^2/NDF:12.2/12

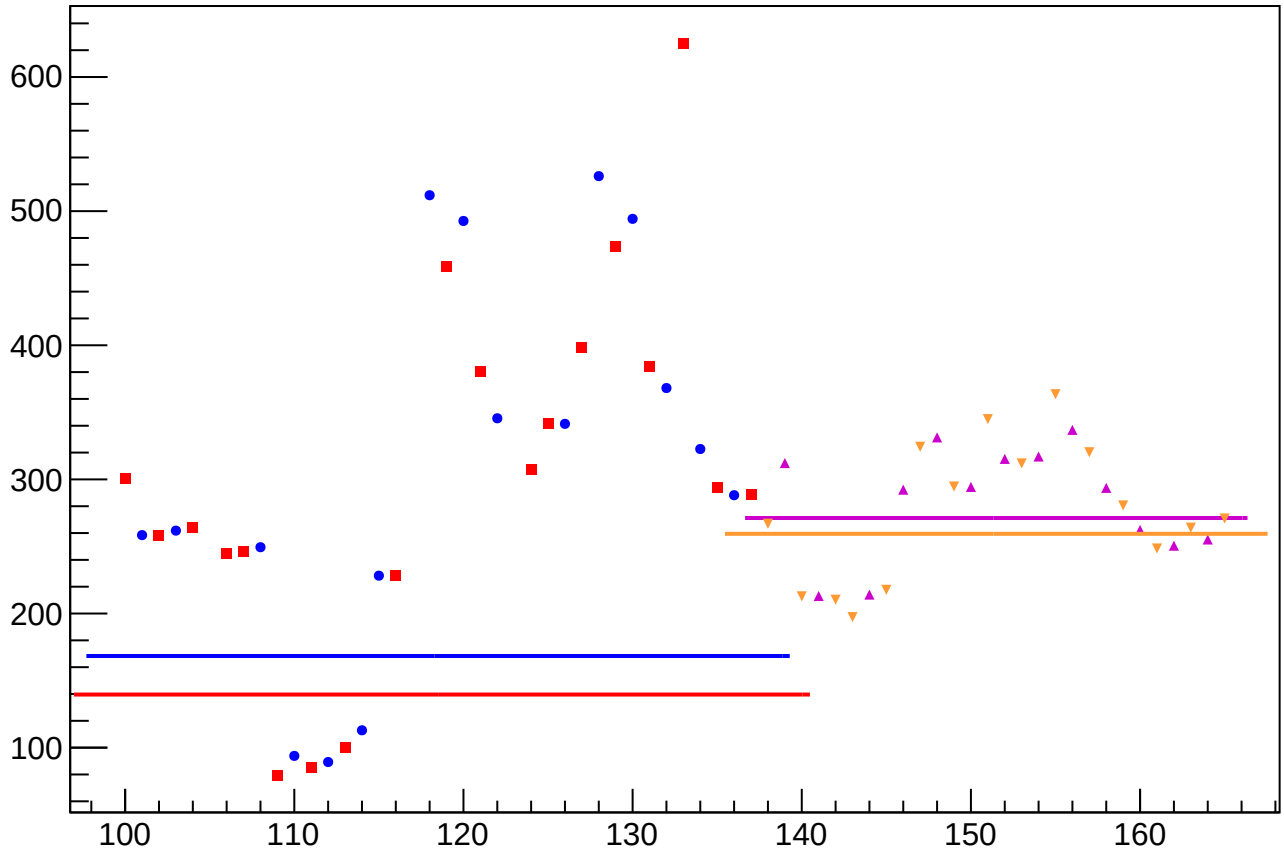
Left: -179.216+/-56.492 χ^2/NDF: 53.1/27

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -45.580+/-56.163 χ^2/NDF:32.3/28

Out: -150.474+/-49.199 χ^2/NDF:53.1/33

All: -104.929+/-37.007 χ^2/NDF: 87.4/62



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797946.0/14

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 271.211+/-0.059 χ^2/NDF:522788.6/12

Left: 264.879+/-0.040 χ^2/NDF: 1342338.0/27

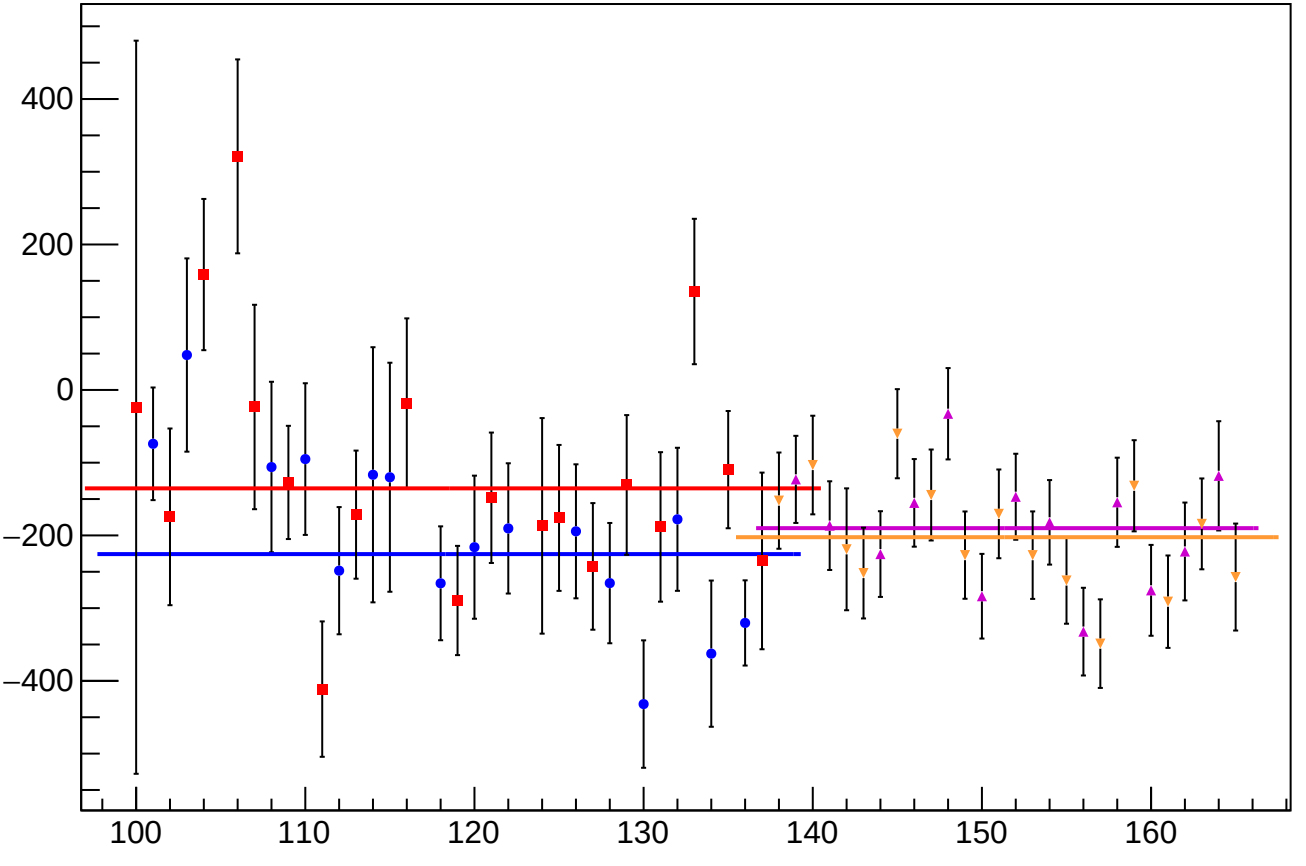
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 215.341+/-0.040 χ^2/NDF:6732238.9/28

Out: 188.465+/-0.035 χ^2/NDF:8817922.5/33

All: 200.134+/-0.026 χ^2/NDF: 15809297.5/62

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.451+/-16.470 χ^2/NDF:20.9/14

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.014+/-17.055 χ^2/NDF:20.3/12

Left: -196.450+/-11.847 χ^2/NDF: 41.5/27

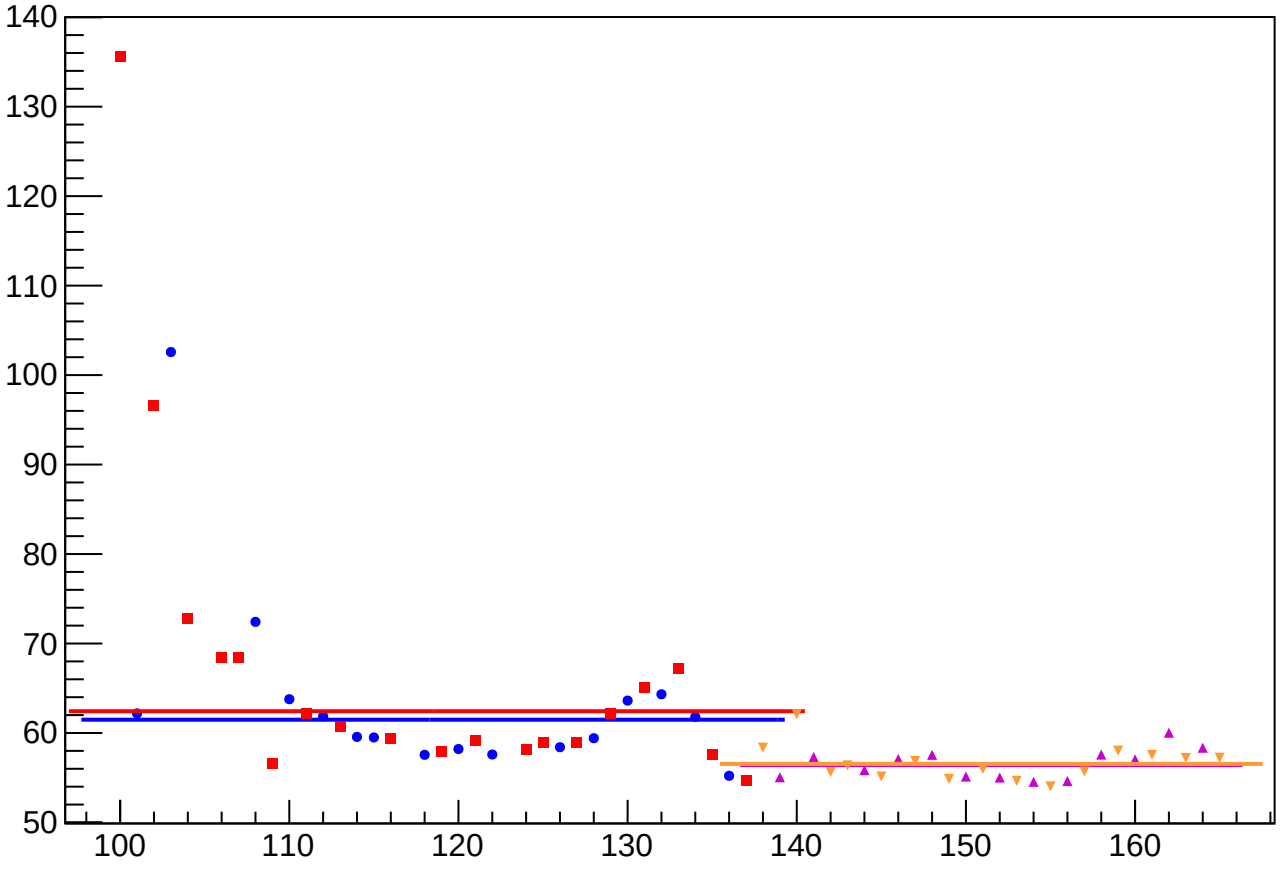
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -202.588+/-13.724 χ^2/NDF:44.4/28

Out: -179.959+/-13.431 χ^2/NDF:71.4/33

All: -191.029+/-9.599 χ^2/NDF: 117.2/62

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

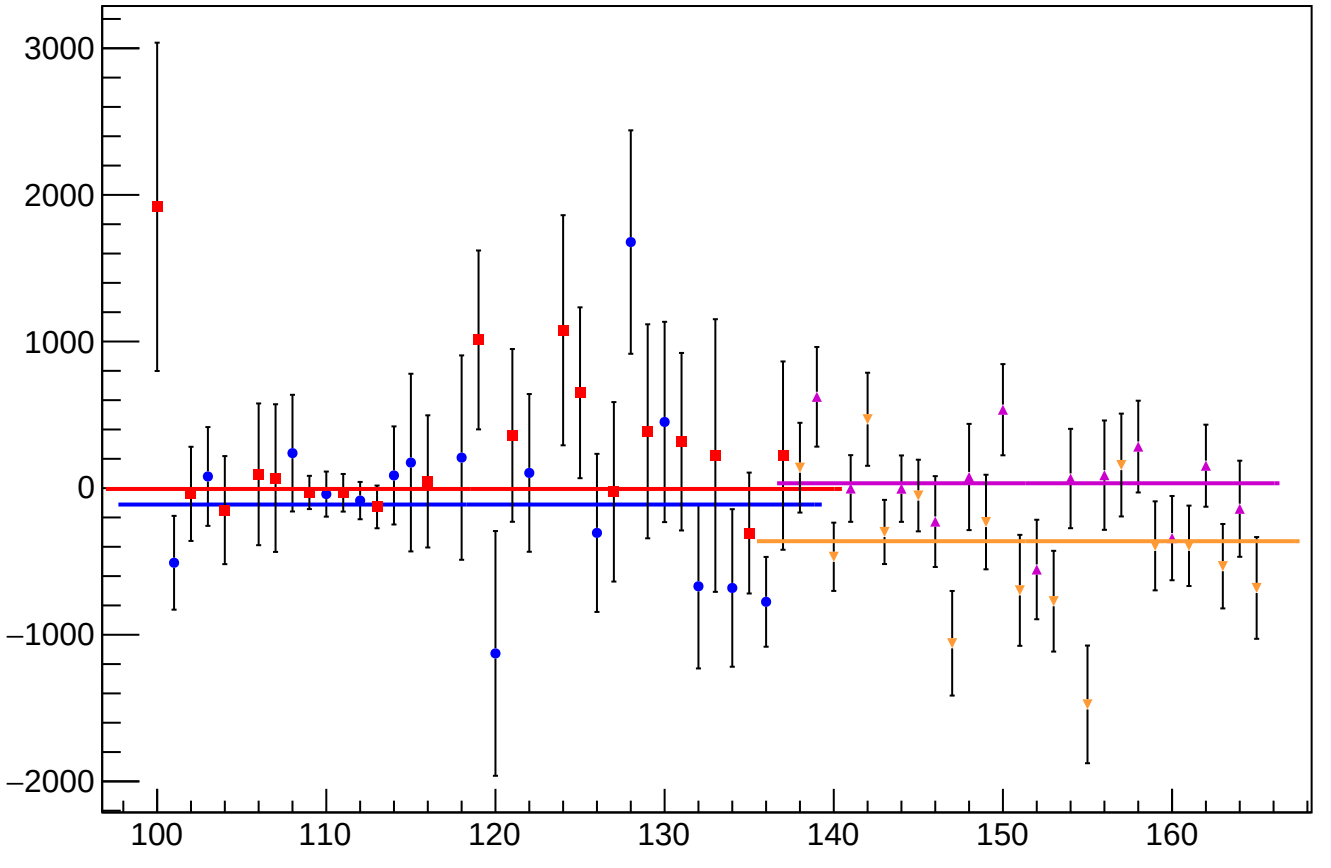
Left: 56.478+/-0.008 χ^2/NDF: 42558.4/27

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.198+/-0.010 χ^2/NDF:329685.3/28

Out: 58.516+/-0.009 χ^2/NDF:391032.6/33

All: 58.360+/-0.007 χ^2/NDF: 721266.2/62



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -361.878+/-77.043 χ^2/NDF:28.7/14

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 33.214+/-83.083 χ^2/NDF:12.2/12

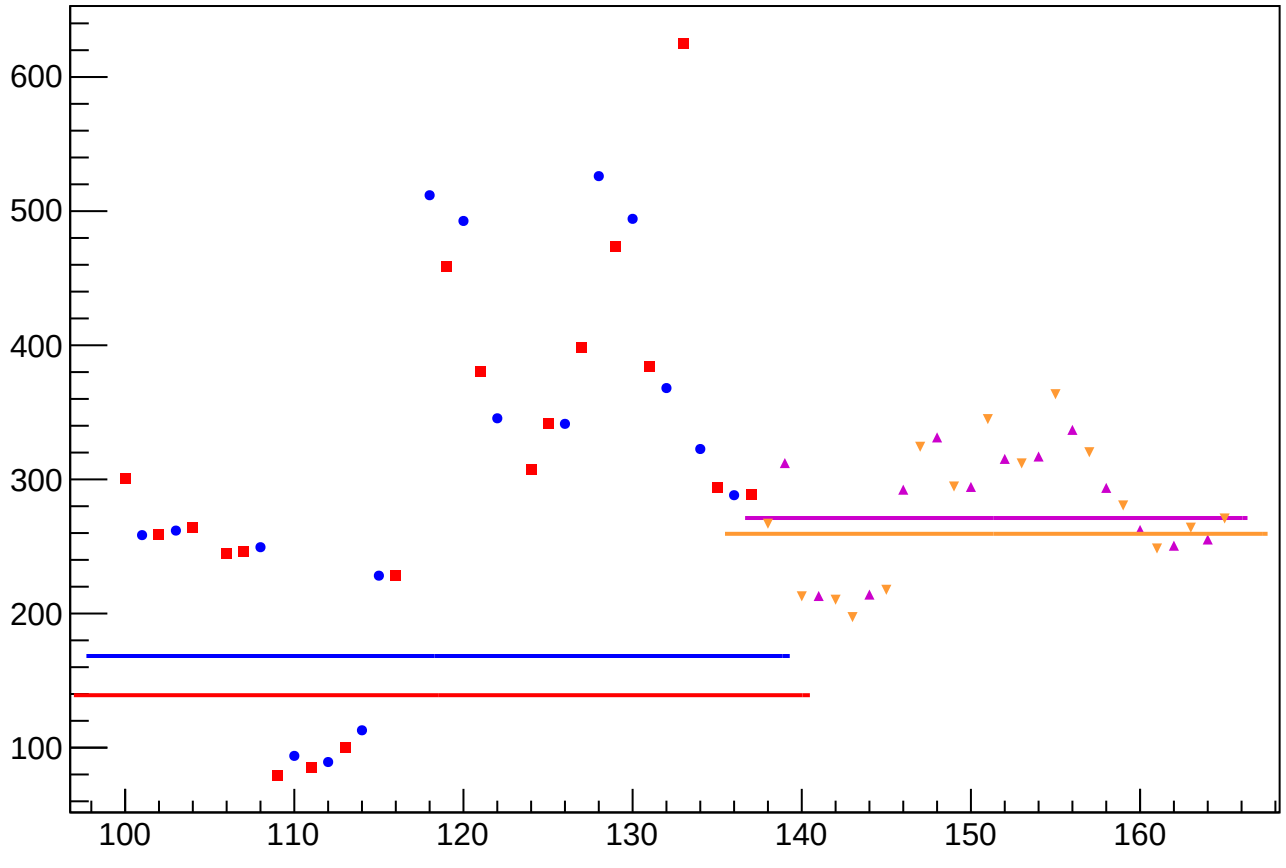
Left: -179.216+/-56.492 χ^2/NDF: 53.1/27

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -45.572+/-56.163 χ^2/NDF:32.3/28

Out: -151.310+/-49.268 χ^2/NDF:53.0/33

All: -105.326+/-37.037 χ^2/NDF: 87.3/62



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797950.5/14

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

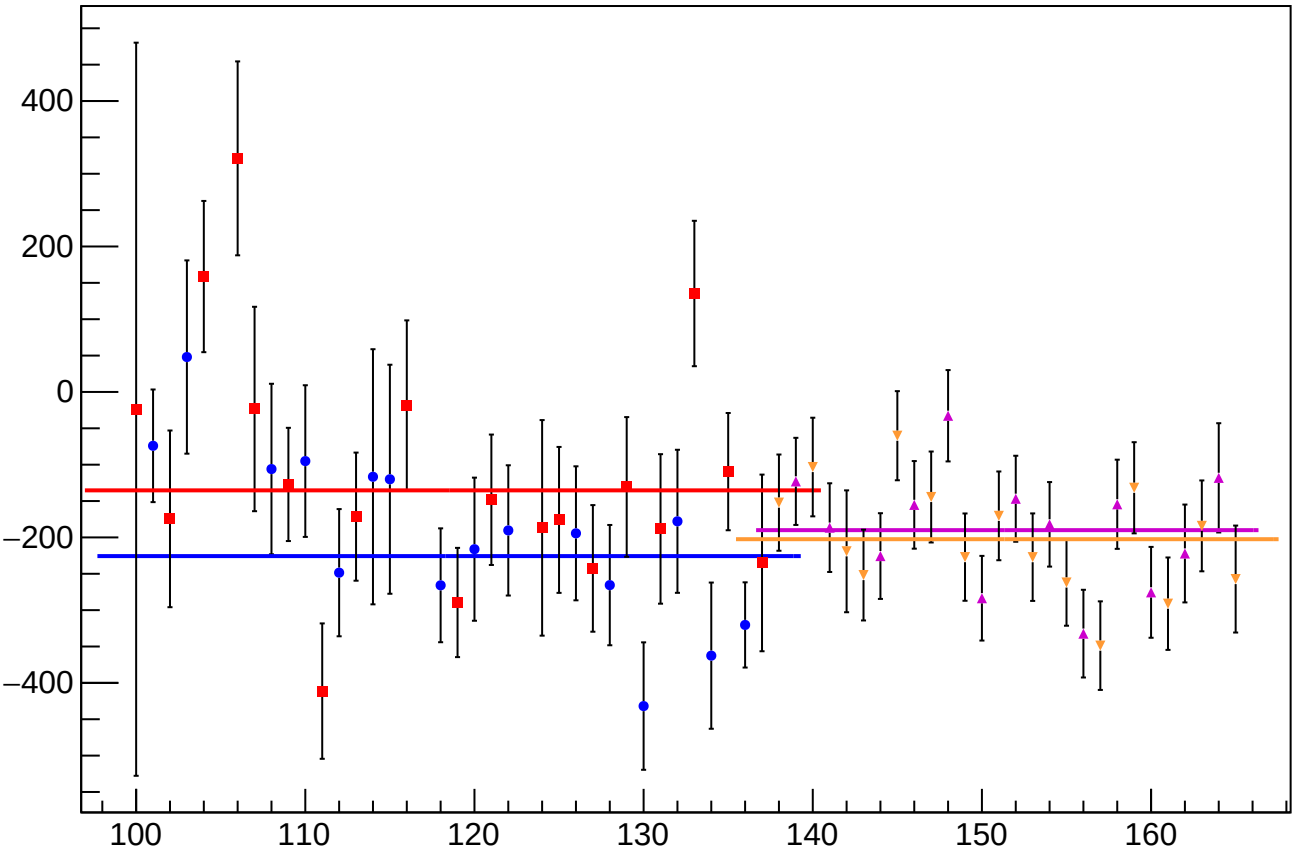
Left: 264.879+/-0.040 χ^2/NDF: 1342342.2/27

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

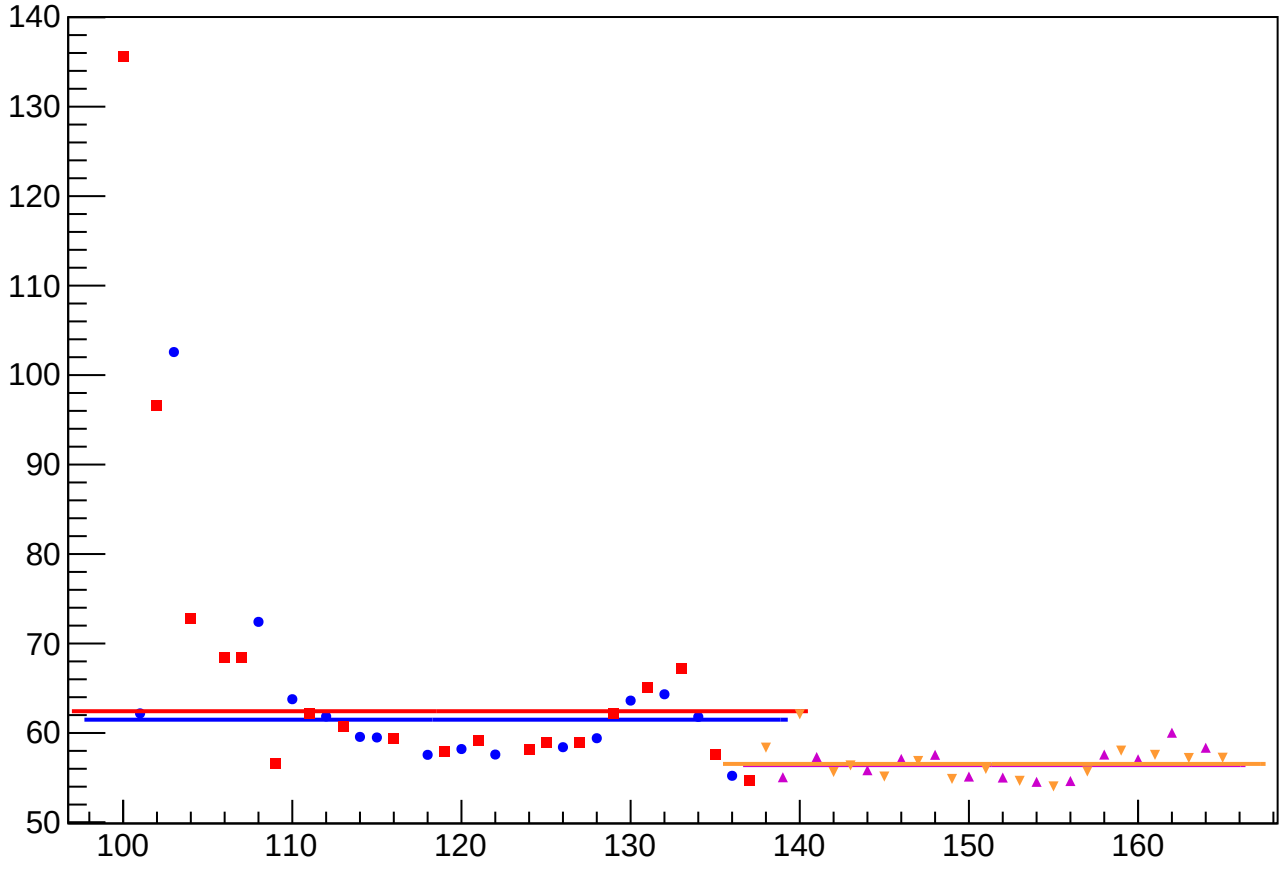
In: 215.341+/-0.040 χ^2/NDF:6732275.2/28

Out: 188.314+/-0.035 χ^2/NDF:8811598.3/33

All: 200.068+/-0.026 χ^2/NDF: 15805622.5/62


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: -225.692+/-23.118 χ²/NDF: 22.6/15
Left Out: -202.451+/-16.470 χ²/NDF:20.9/14
Right Out: -135.311+/-23.205 χ²/NDF: 44.9/18
Left In: -190.014+/-17.055 χ²/NDF:20.3/12
Left: -196.450+/-11.847 χ²/NDF: 41.5/27
Right: -180.670+/-16.378 χ²/NDF: 75.1/34
In: -202.588+/-13.724 χ²/NDF:44.4/28
Out: -179.959+/-13.431 χ²/NDF:71.4/33
All: -191.029+/-9.599 χ²/NDF: 117.2/62

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

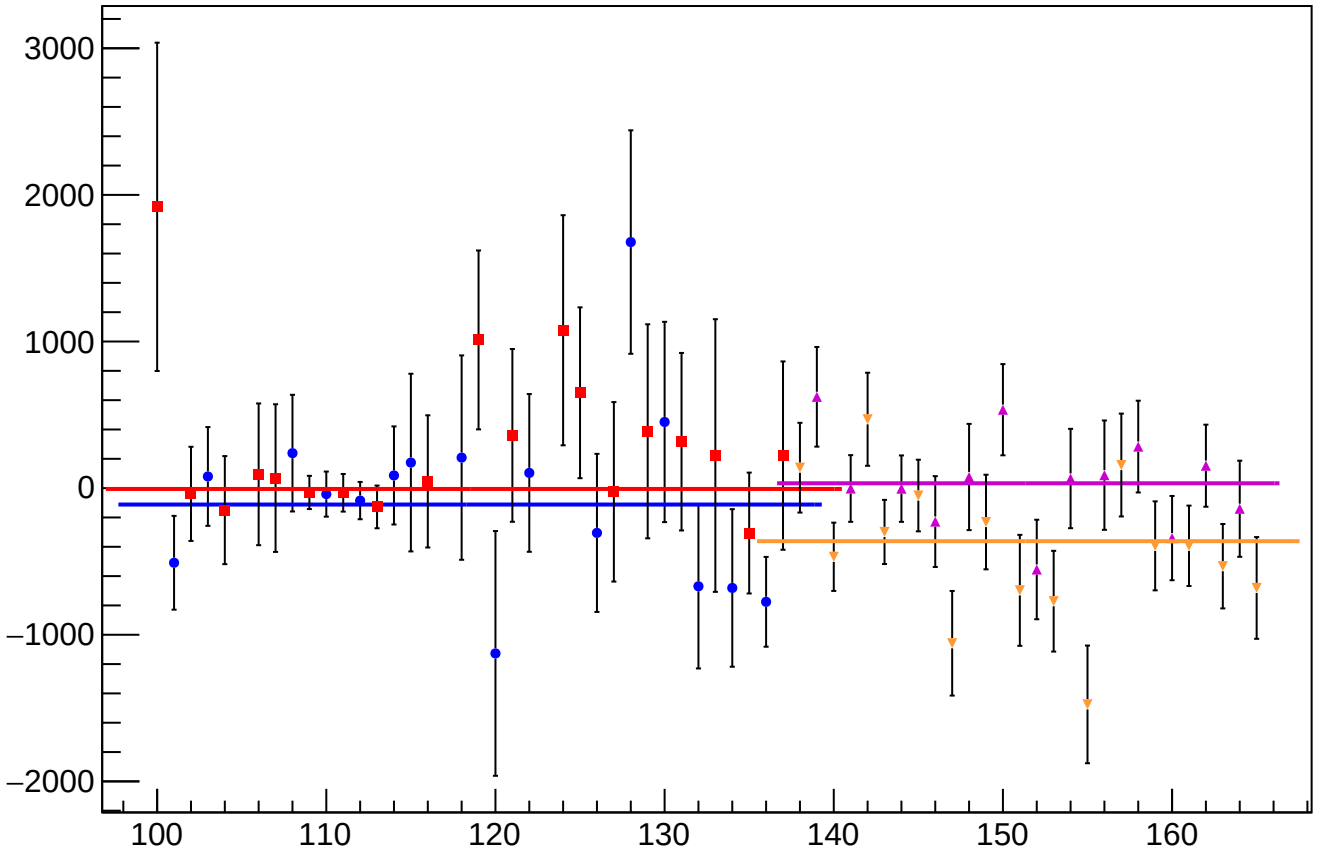
Left: 56.478+/-0.008 χ^2/NDF: 42558.4/27

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.198+/-0.010 χ^2/NDF:329685.3/28

Out: 58.516+/-0.009 χ^2/NDF:391032.6/33

All: 58.360+/-0.007 χ^2/NDF: 721266.2/62



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -361.878+/-77.043 χ^2/NDF:28.7/14

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 33.214+/-83.083 χ^2/NDF:12.2/12

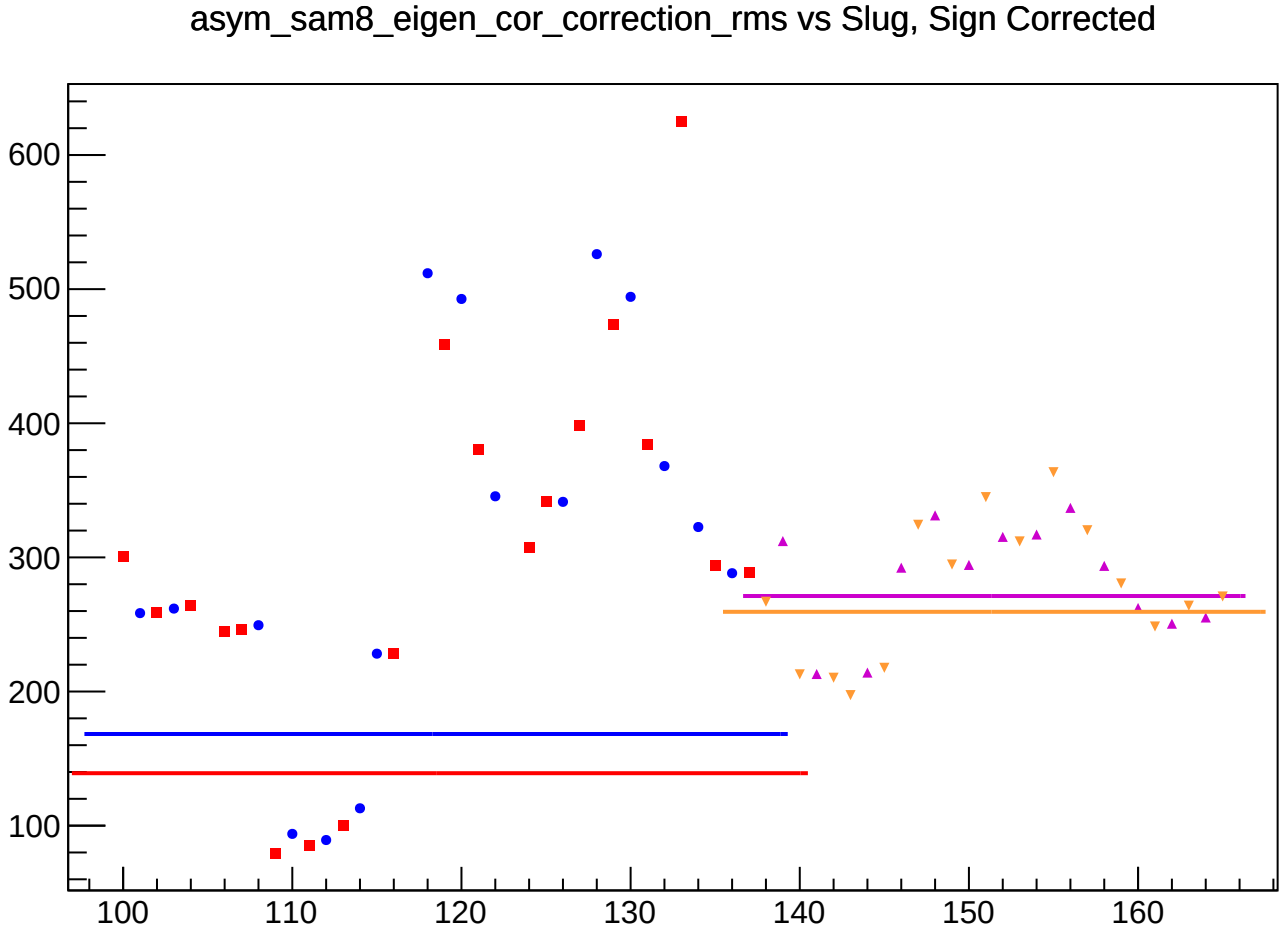
Left: -179.216+/-56.492 χ^2/NDF: 53.1/27

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -45.572+/-56.163 χ^2/NDF:32.3/28

Out: -151.310+/-49.268 χ^2/NDF:53.0/33

All: -105.326+/-37.037 χ^2/NDF: 87.3/62



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797950.5/14

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

Left: 264.879+/-0.040 χ^2/NDF: 1342342.2/27

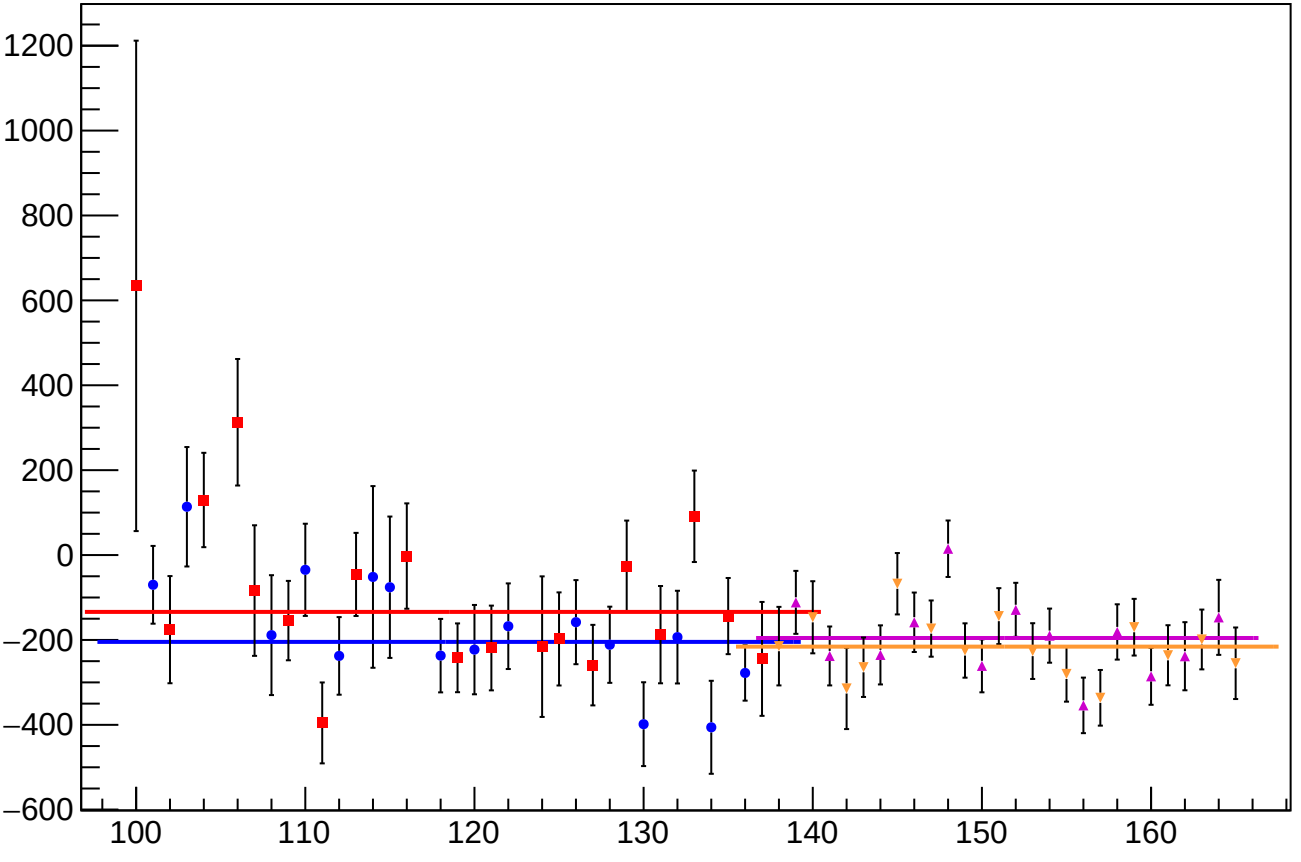
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 215.341+/-0.040 χ^2/NDF:6732275.2/28

Out: 188.314+/-0.035 χ^2/NDF:8811598.3/33

All: 200.068+/-0.026 χ^2/NDF: 15805622.5/62

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -215.751+/-18.484 χ^2/NDF:13.2/14

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -195.401+/-19.067 χ^2/NDF:22.8/12

Left: -205.892+/-13.272 χ^2/NDF: 36.6/27

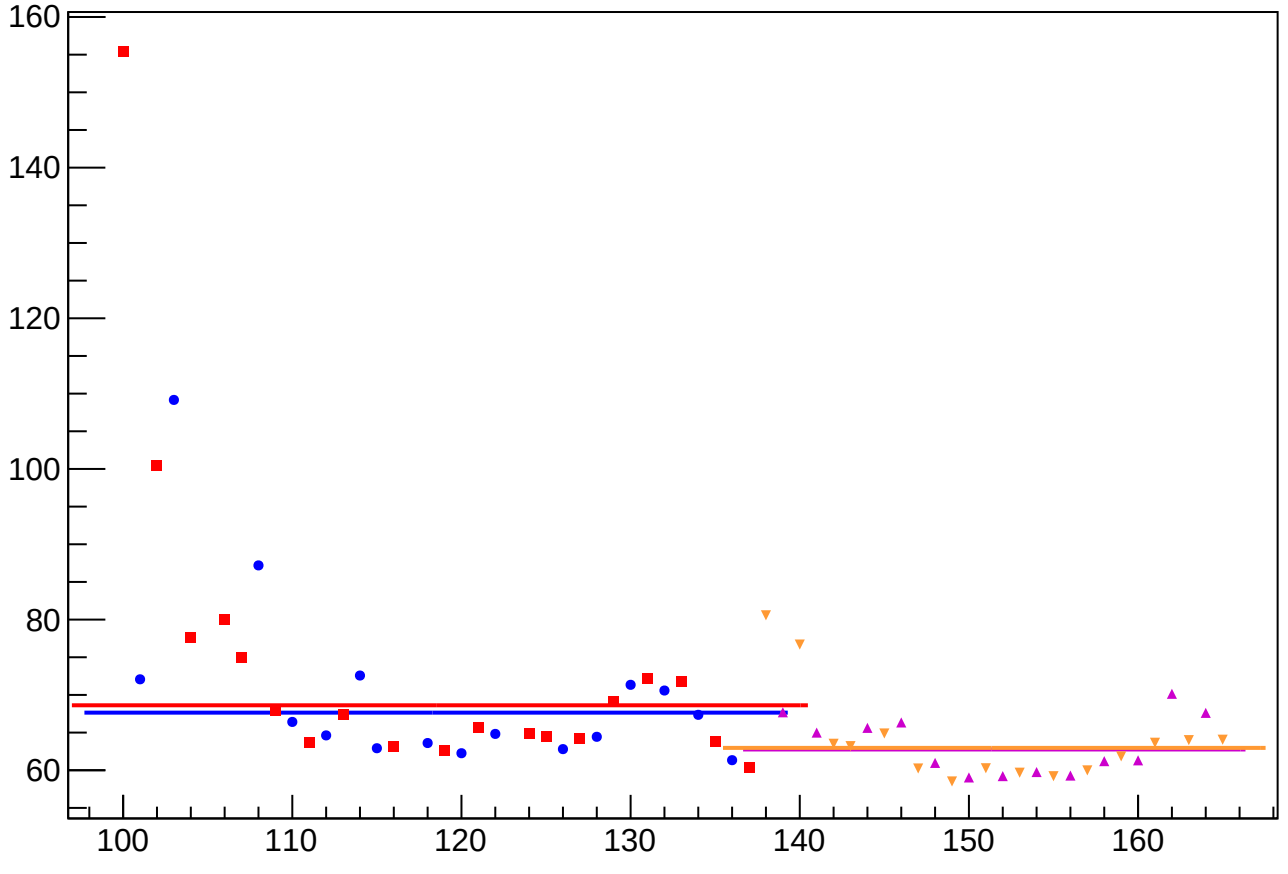
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -198.688+/-15.275 χ^2/NDF:42.9/28

Out: -187.542+/-14.962 χ^2/NDF:57.2/33

All: -193.000+/-10.689 χ^2/NDF: 100.4/62

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.968+/-0.013 χ^2/NDF:159853.2/14

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.757+/-0.013 χ^2/NDF:69409.9/12

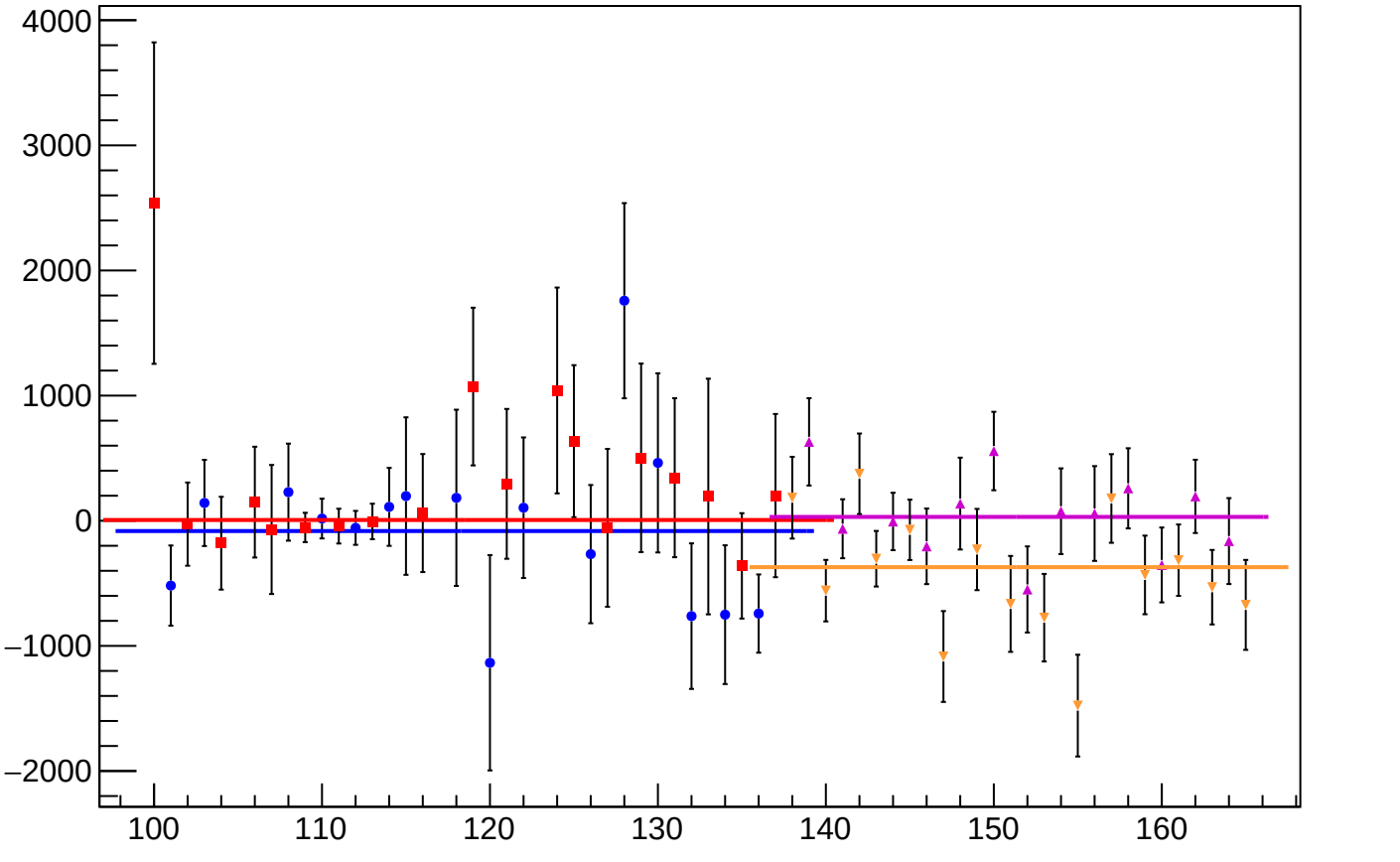
Left: 62.866+/-0.009 χ^2/NDF: 229390.0/27

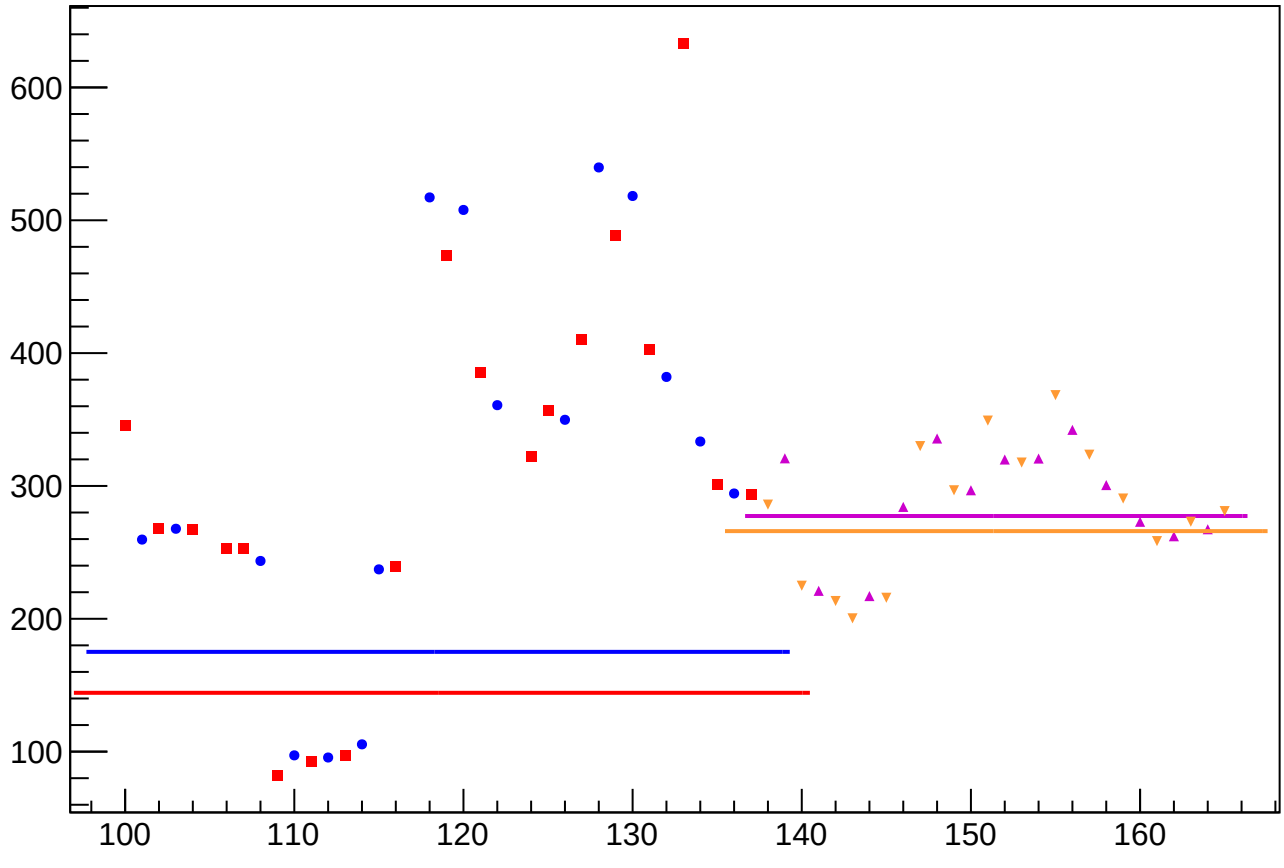
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.508+/-0.011 χ^2/NDF:380214.6/28

Out: 64.918+/-0.011 χ^2/NDF:472571.3/33

All: 64.717+/-0.008 χ^2/NDF: 853519.5/62


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -370.845+/-78.912 χ²/NDF:27.3/14
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 30.601+/-84.884 χ²/NDF:12.3/12
Left: -184.739+/-57.796 χ²/NDF: 51.6/27
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -30.090+/-57.702 χ²/NDF:32.5/28
Out: -148.823+/-50.586 χ²/NDF:52.8/33
All: -97.225+/-38.038 χ²/NDF: 87.7/62



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.996+/-0.056 χ^2/NDF:793929.8/14

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.373+/-0.060 χ^2/NDF:481653.8/12

Left: 271.271+/-0.041 χ^2/NDF: 1294854.2/27

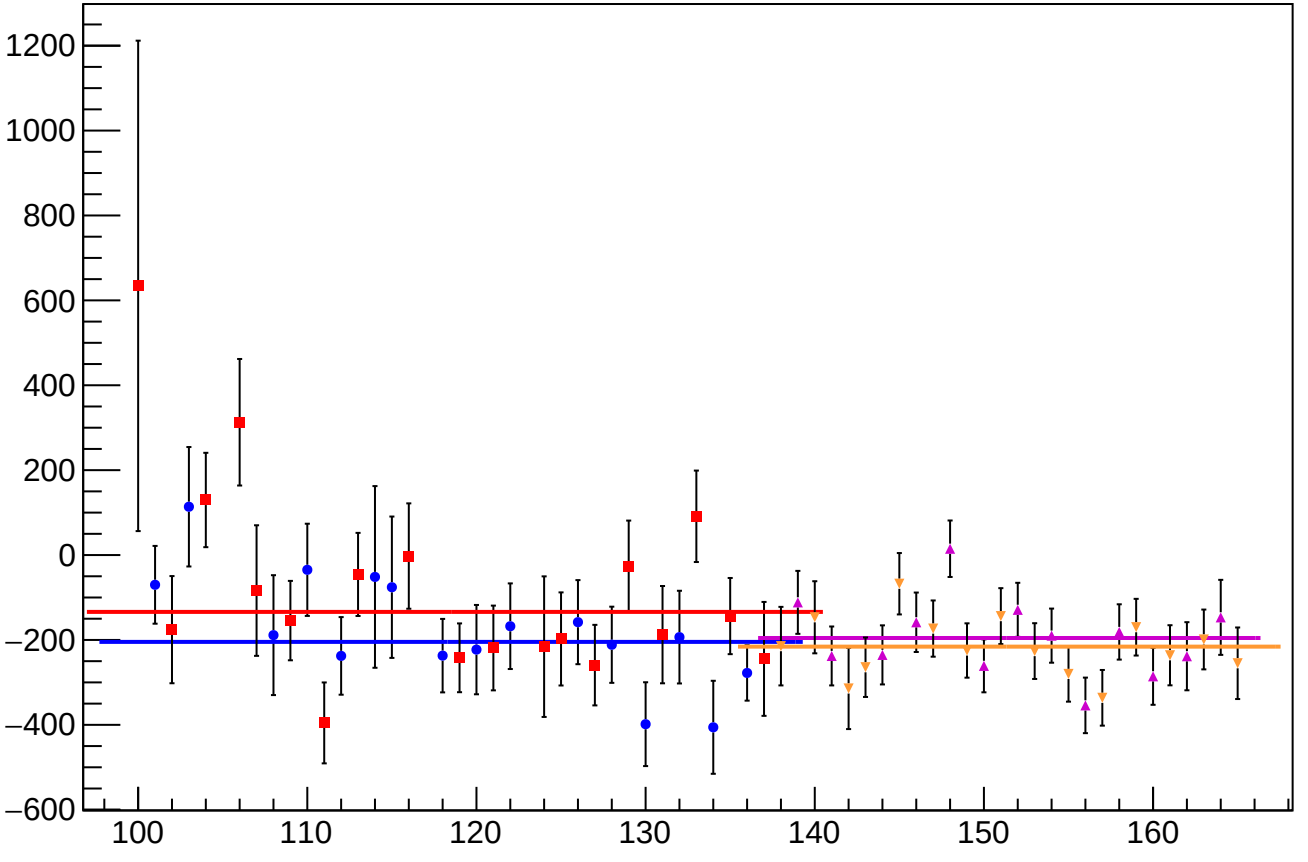
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 222.360+/-0.041 χ^2/NDF:6472463.8/28

Out: 194.296+/-0.036 χ^2/NDF:8729381.5/33

All: 206.491+/-0.027 χ^2/NDF: 15469346.2/62

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -215.749+/-18.484 χ^2/NDF:13.2/14

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -195.402+/-19.067 χ^2/NDF:22.8/12

Left: -205.892+/-13.272 χ^2/NDF: 36.6/27

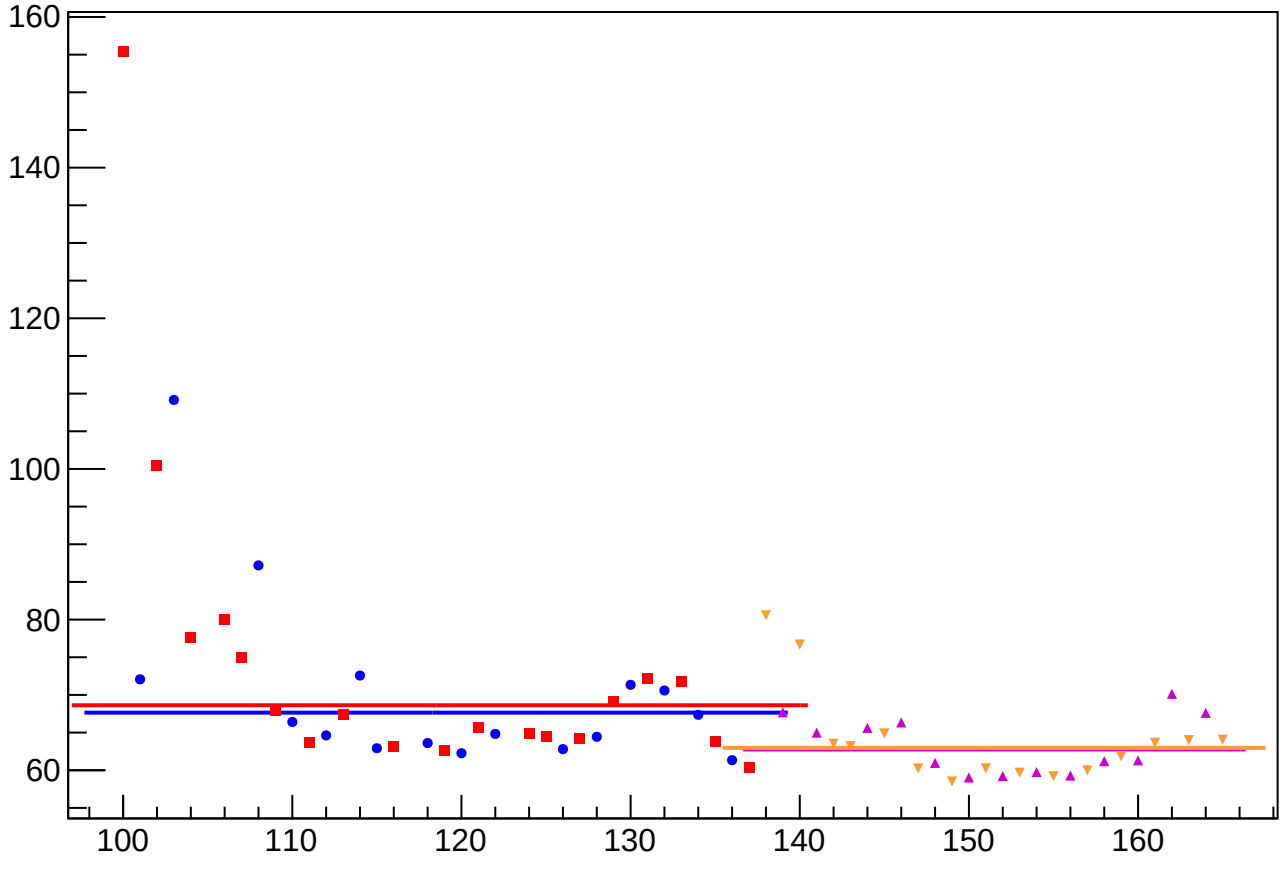
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -198.688+/-15.275 χ^2/NDF:42.9/28

Out: -187.542+/-14.962 χ^2/NDF:57.2/33

All: -193.000+/-10.689 χ^2/NDF: 100.4/62

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.968+/-0.013 χ^2/NDF:159852.0/14

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.757+/-0.013 χ^2/NDF:69410.1/12

Left: 62.866+/-0.009 χ^2/NDF: 229389.1/27

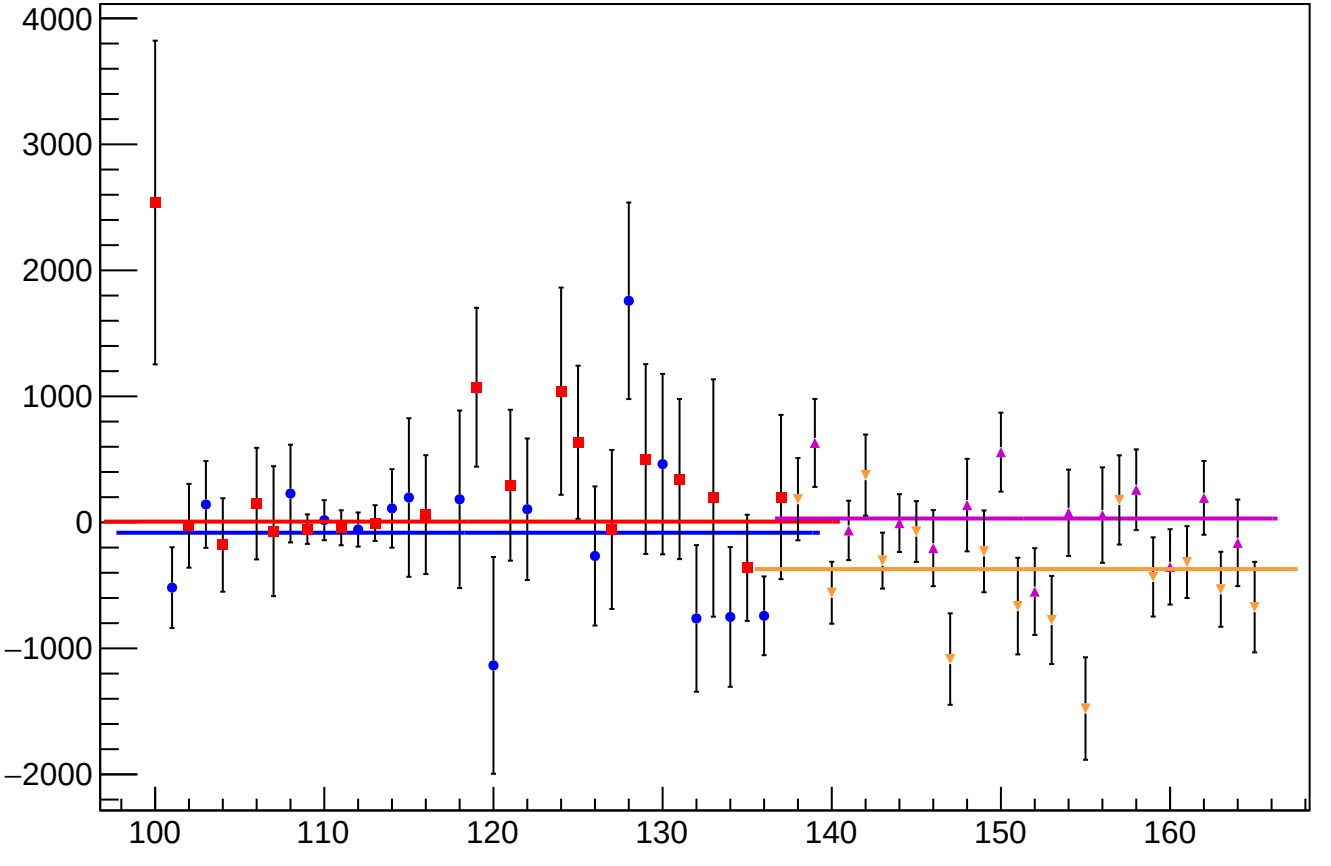
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.508+/-0.011 χ^2/NDF:380209.8/28

Out: 64.918+/-0.011 χ^2/NDF:472566.3/33

All: 64.717+/-0.008 χ^2/NDF: 853509.6/62

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -370.844+/-78.912 χ^2/NDF:27.3/14

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 30.601+/-84.884 χ^2/NDF:12.3/12

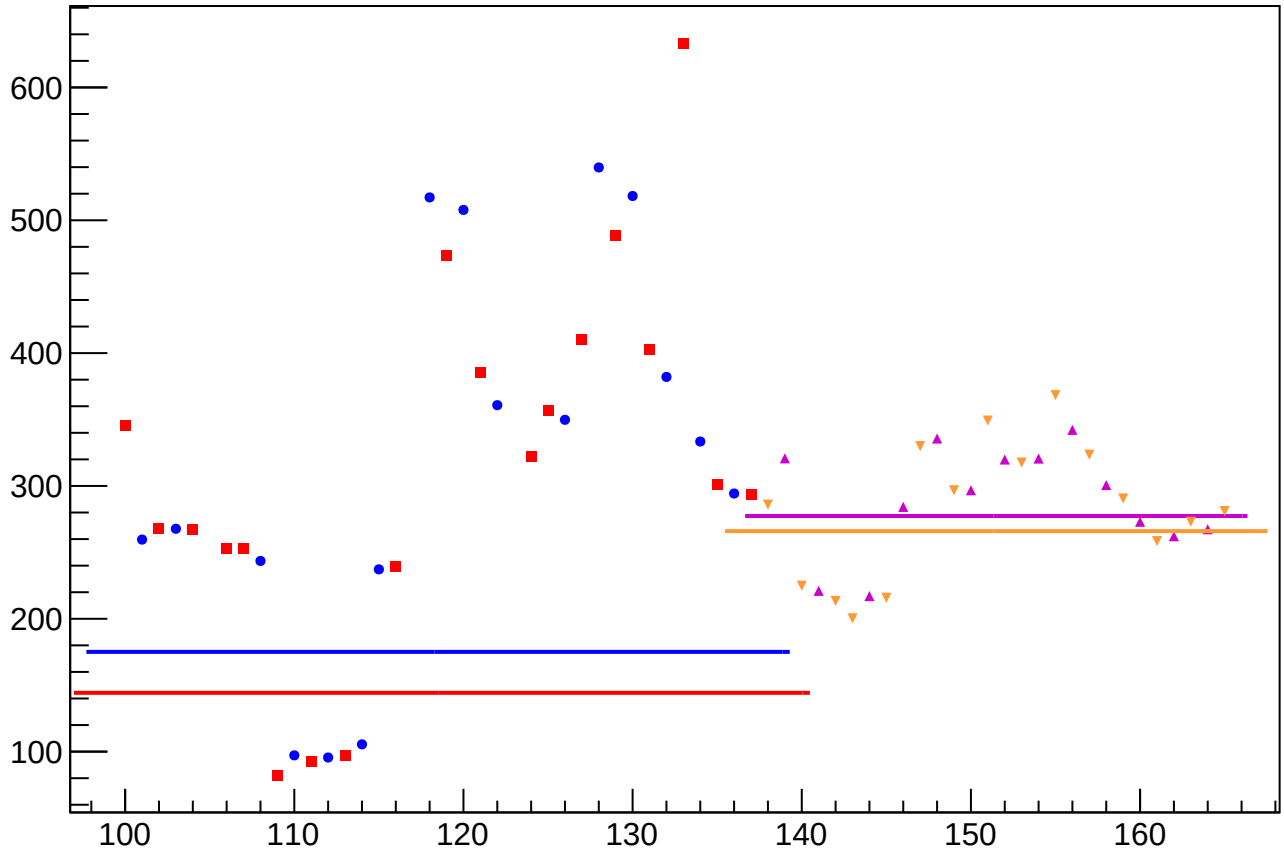
Left: -184.738+/-57.795 χ^2/NDF: 51.6/27

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -30.089+/-57.702 χ^2/NDF:32.5/28

Out: -148.823+/-50.586 χ^2/NDF:52.8/33

All: -97.225+/-38.038 χ^2/NDF: 87.7/62



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.995+/-0.056 χ^2/NDF:793938.4/14

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 277.372+/-0.060 χ^2/NDF:481655.1/12

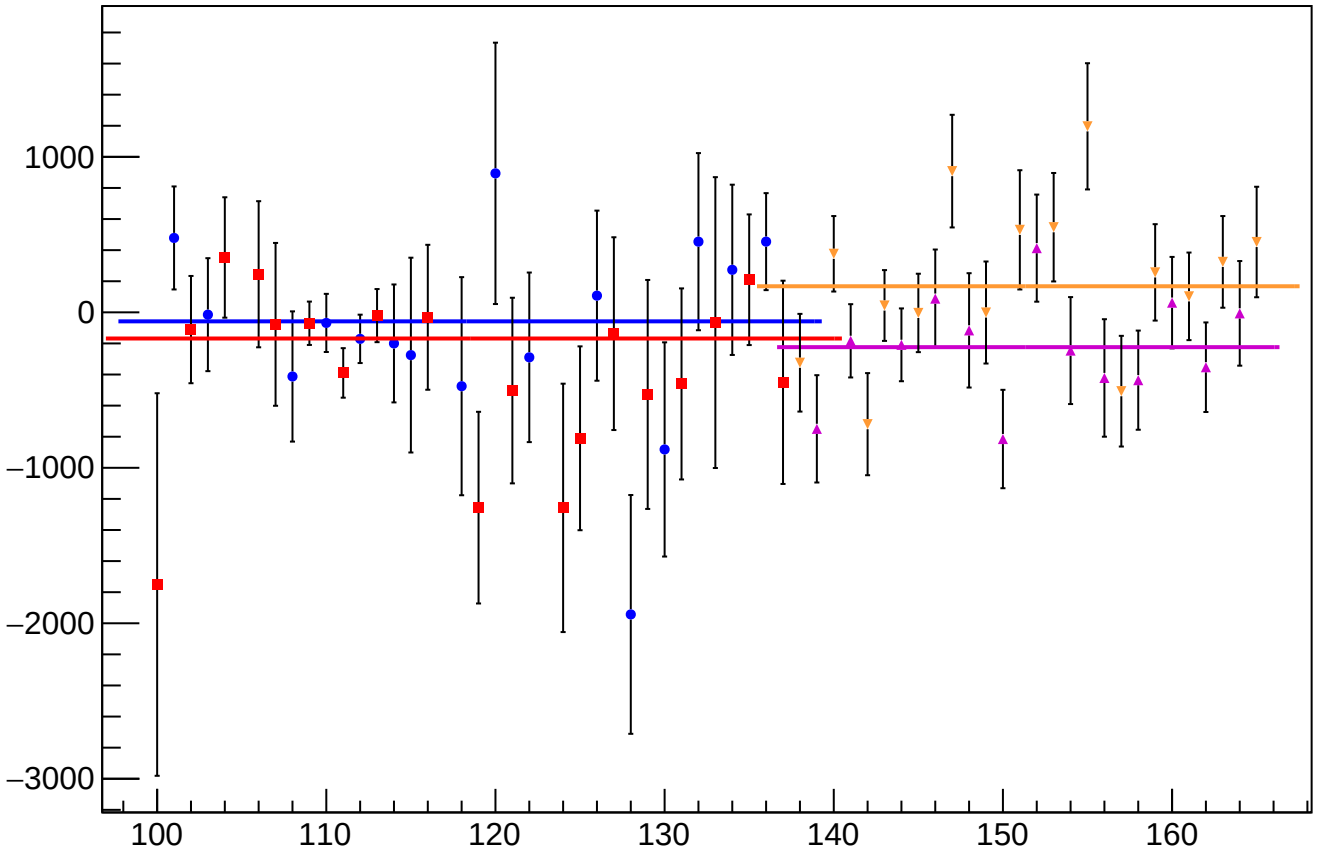
Left: 271.270+/-0.041 χ^2/NDF: 1294864.6/27

Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 222.358+/-0.041 χ^2/NDF:6472515.4/28

Out: 194.295+/-0.036 χ^2/NDF:8729354.1/33

All: 206.491+/-0.027 χ^2/NDF: 15469357.9/62



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 167.717+/-79.130 χ^2/NDF:28.8/14

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -223.922+/-85.062 χ^2/NDF:12.6/12

Left: -13.972+/-57.937 χ^2/NDF: 52.8/27

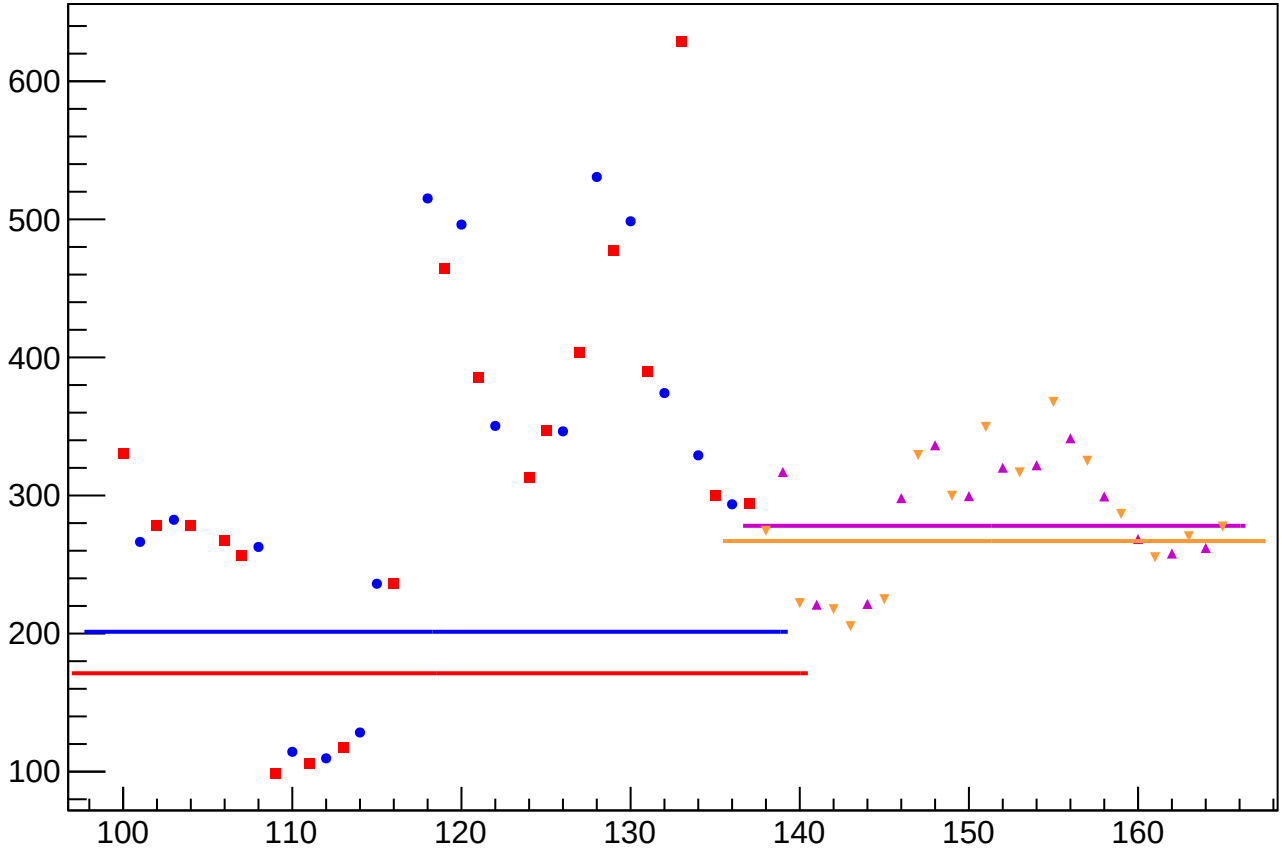
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -142.711+/-60.784 χ^2/NDF:31.9/28

Out: -10.201+/-54.280 χ^2/NDF:53.9/33

All: -68.990+/-40.487 χ^2/NDF: 88.4/62

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 267.004+/-0.056 χ^2/NDF:720156.3/14

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 278.046+/-0.060 χ^2/NDF:471364.6/12

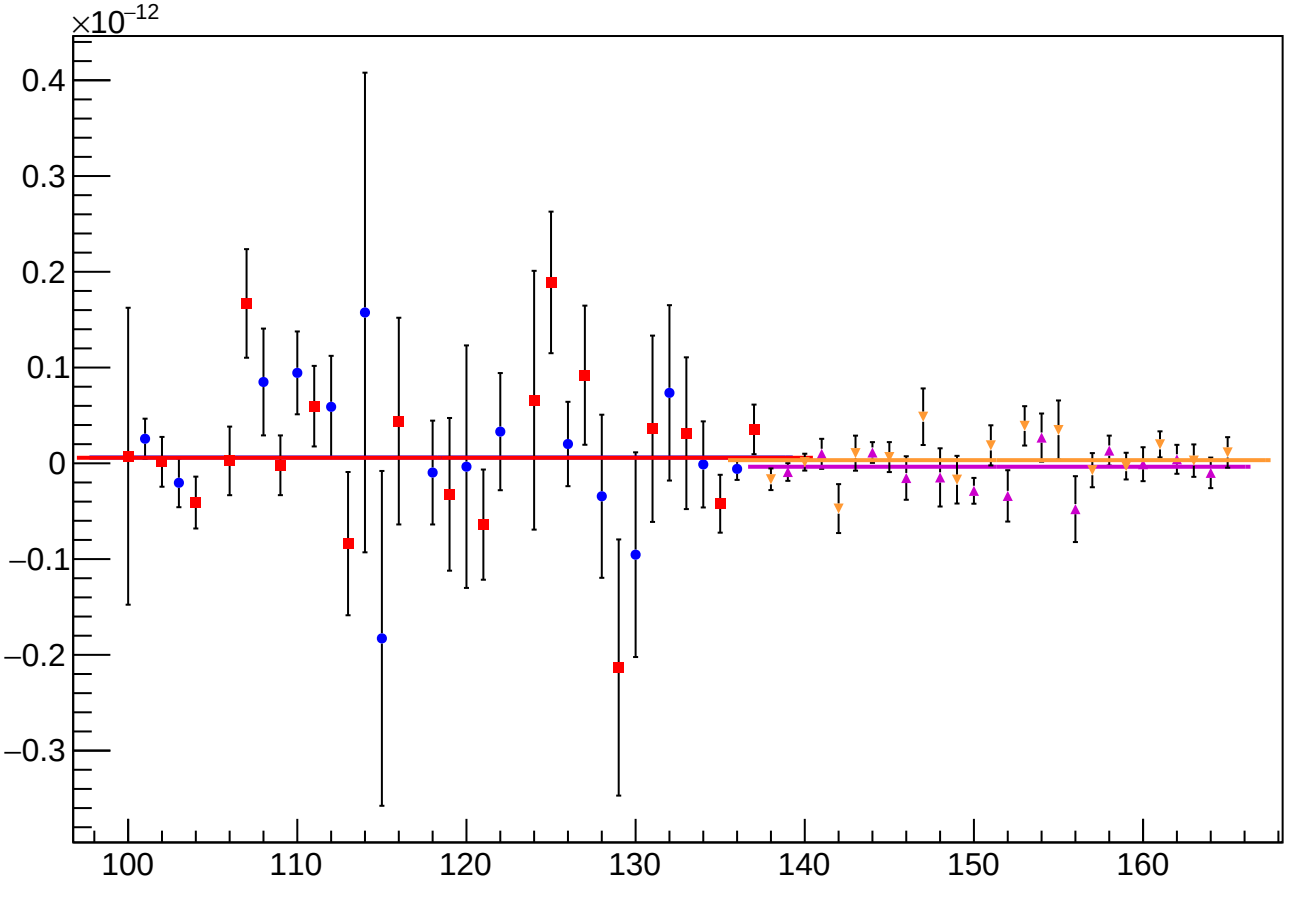
Left: 272.126+/-0.041 χ^2/NDF: 1209588.6/27

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 240.490+/-0.043 χ^2/NDF:4840257.2/28

Out: 216.307+/-0.038 χ^2/NDF:6463221.2/33

All: 227.036+/-0.029 χ^2/NDF: 11479595.1/62



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/12

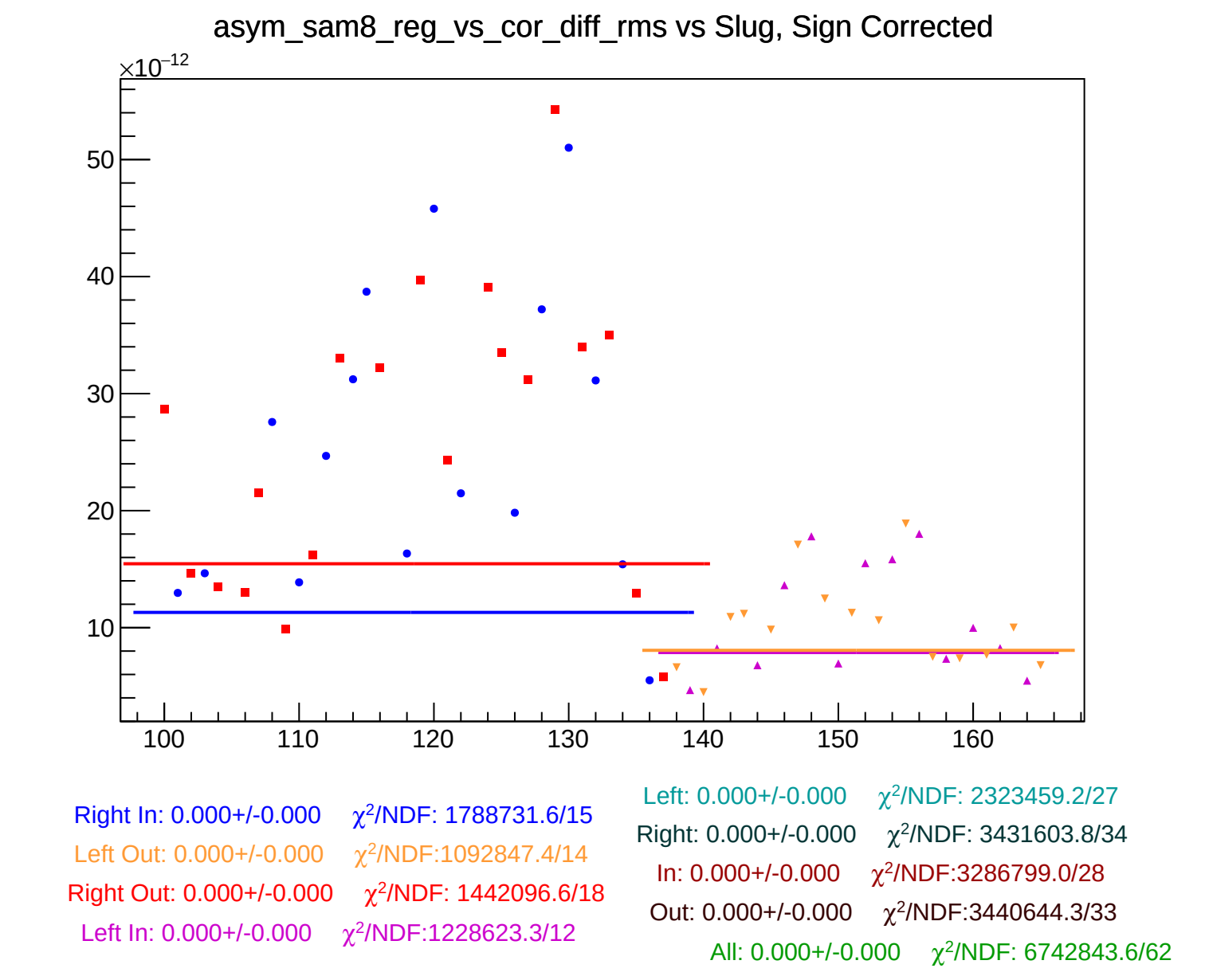
Left: 0.000+/-0.000 χ^2/NDF: 31.4/27

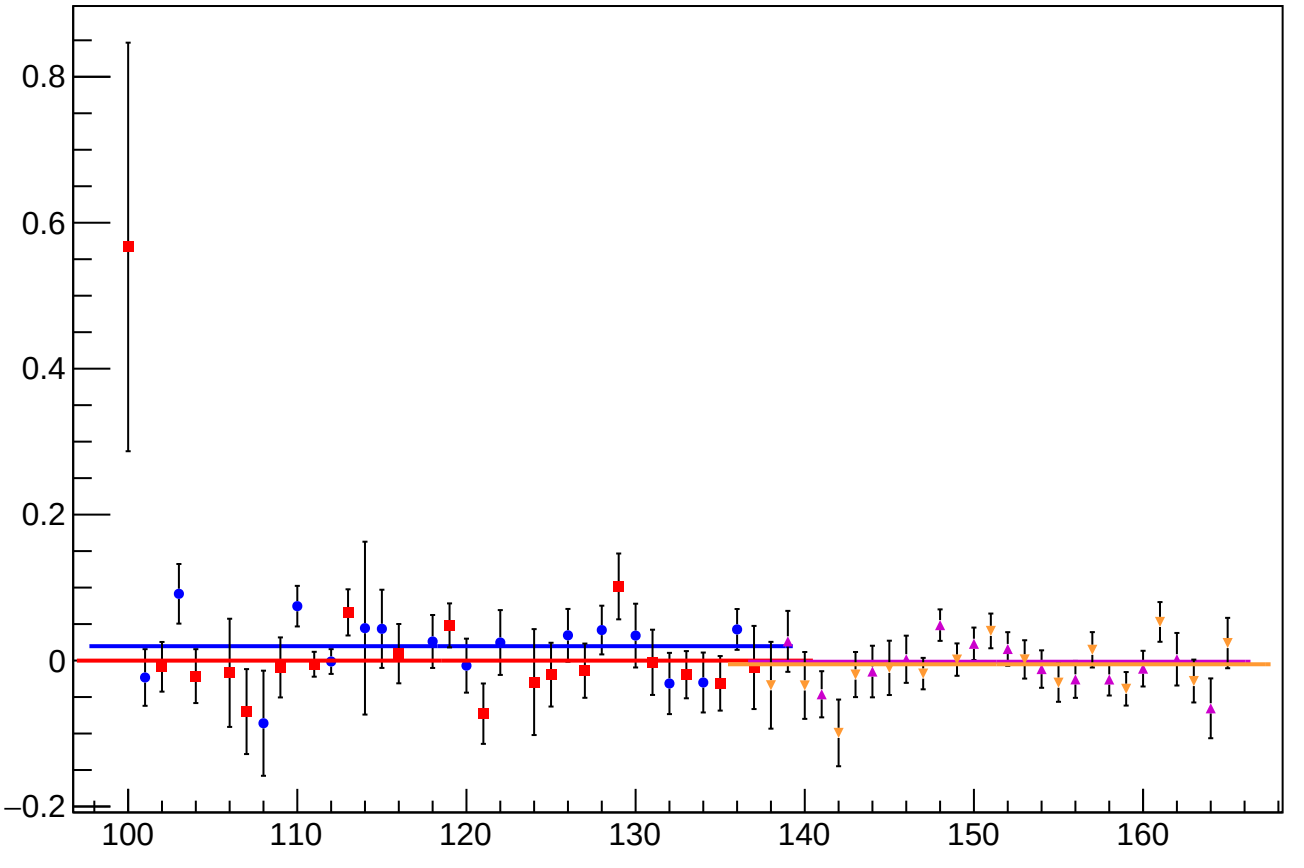
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.8/28

Out: 0.000+/-0.000 χ^2/NDF:47.8/33

All: 0.000+/-0.000 χ^2/NDF: 76.4/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1092847.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1228623.3/12
Left: 0.000+/-0.000 χ²/NDF: 2323459.2/27
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3286799.0/28
Out: 0.000+/-0.000 χ²/NDF:3440644.3/33
All: 0.000+/-0.000 χ²/NDF: 6742843.6/62



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

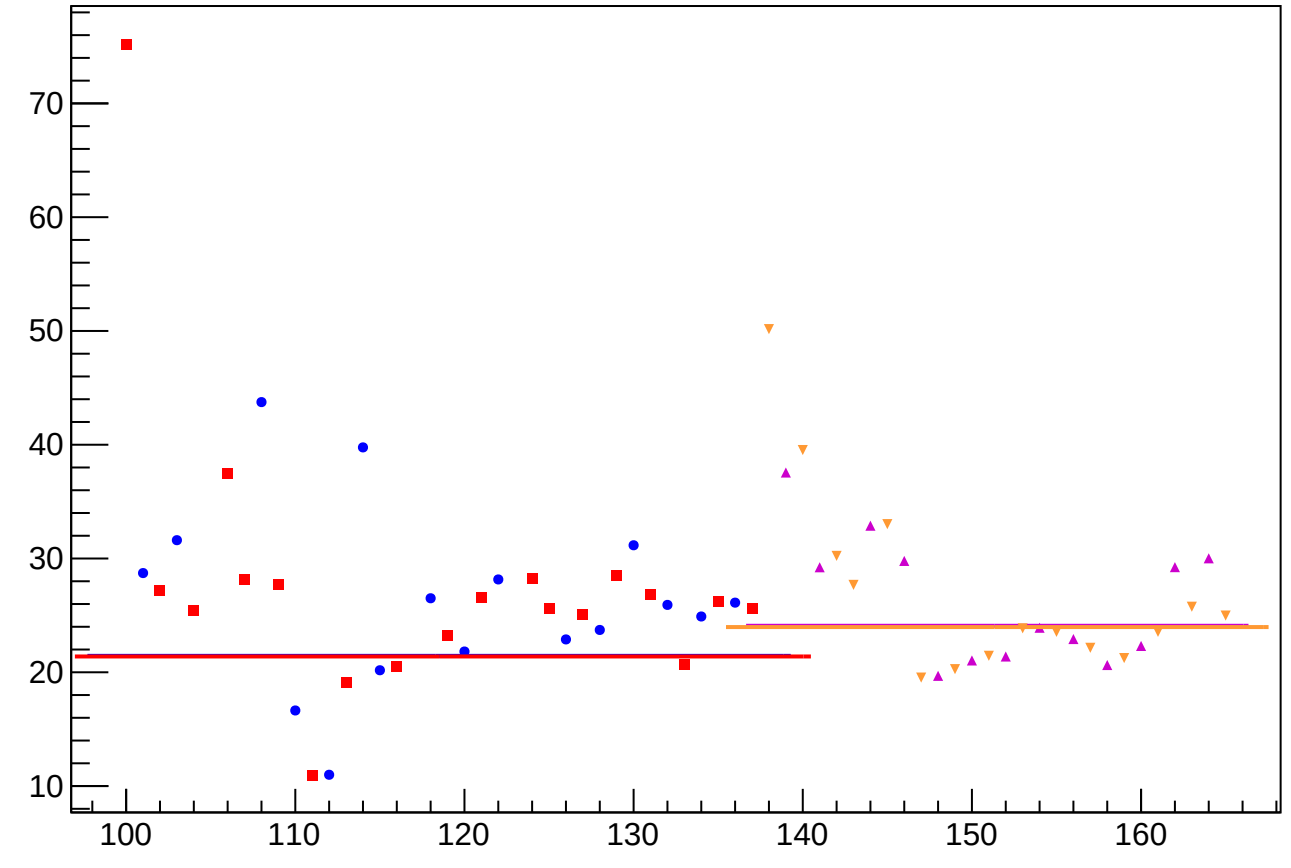
Left: -0.003+/-0.005 χ^2/NDF: 33.7/27

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.002+/-0.004 χ^2/NDF: 78.8/62



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015350.6/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

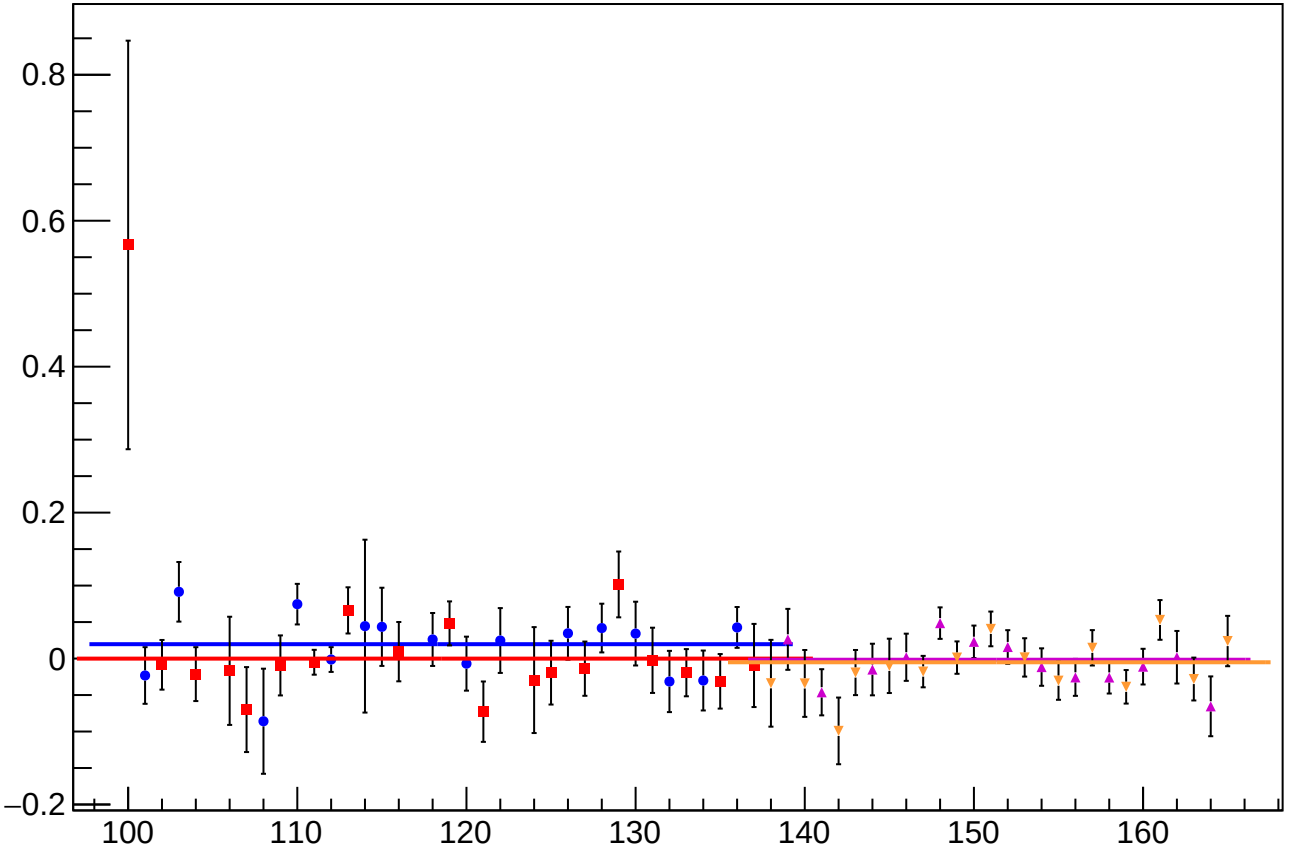
Left: 24.028+/-0.004 χ^2/NDF: 1757526.1/27

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.950+/-0.004 χ^2/NDF:2388247.0/28

Out: 22.879+/-0.004 χ^2/NDF:2433699.3/33

All: 22.914+/-0.003 χ^2/NDF: 4822105.7/62



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

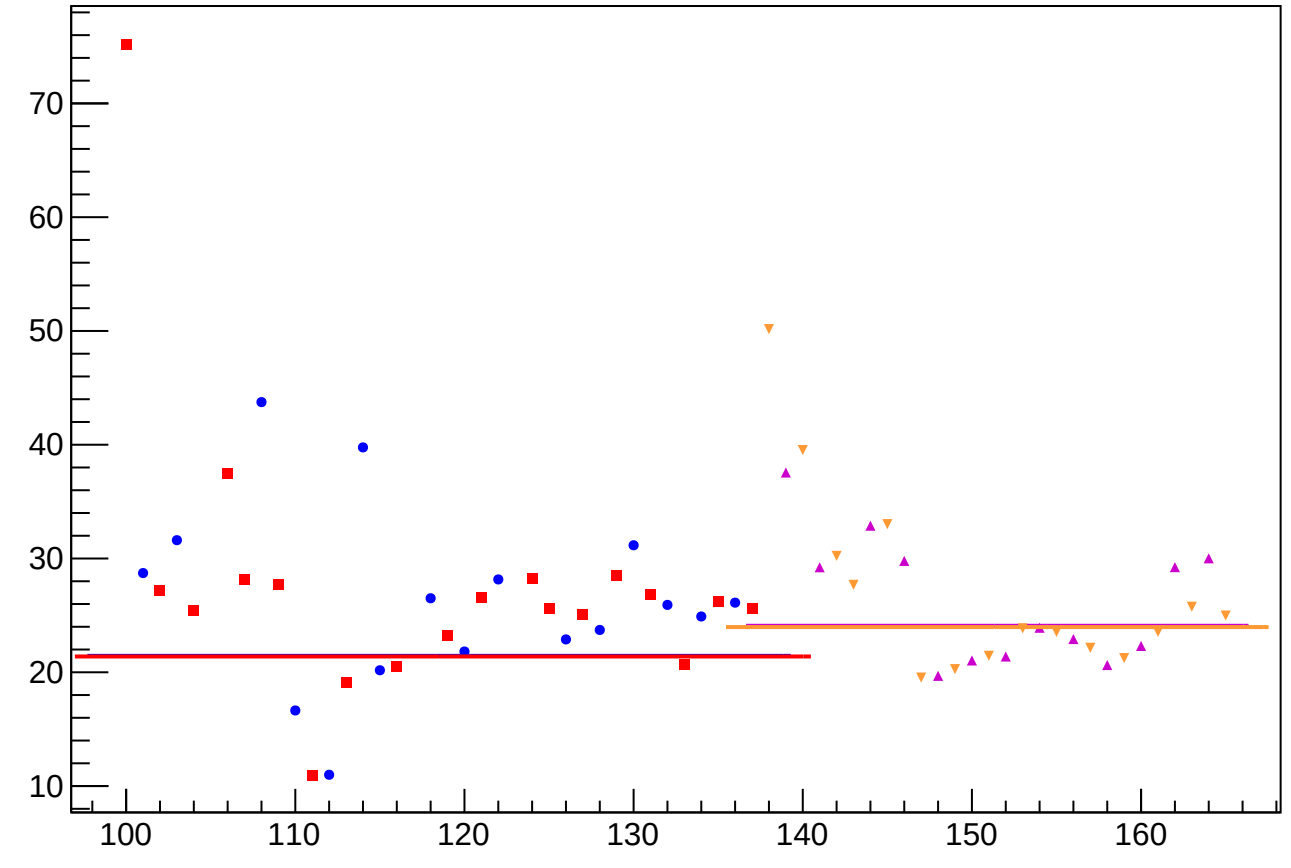
Left: -0.003+/-0.005 χ^2/NDF: 33.7/27

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.002+/-0.004 χ^2/NDF: 78.8/62



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015350.6/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

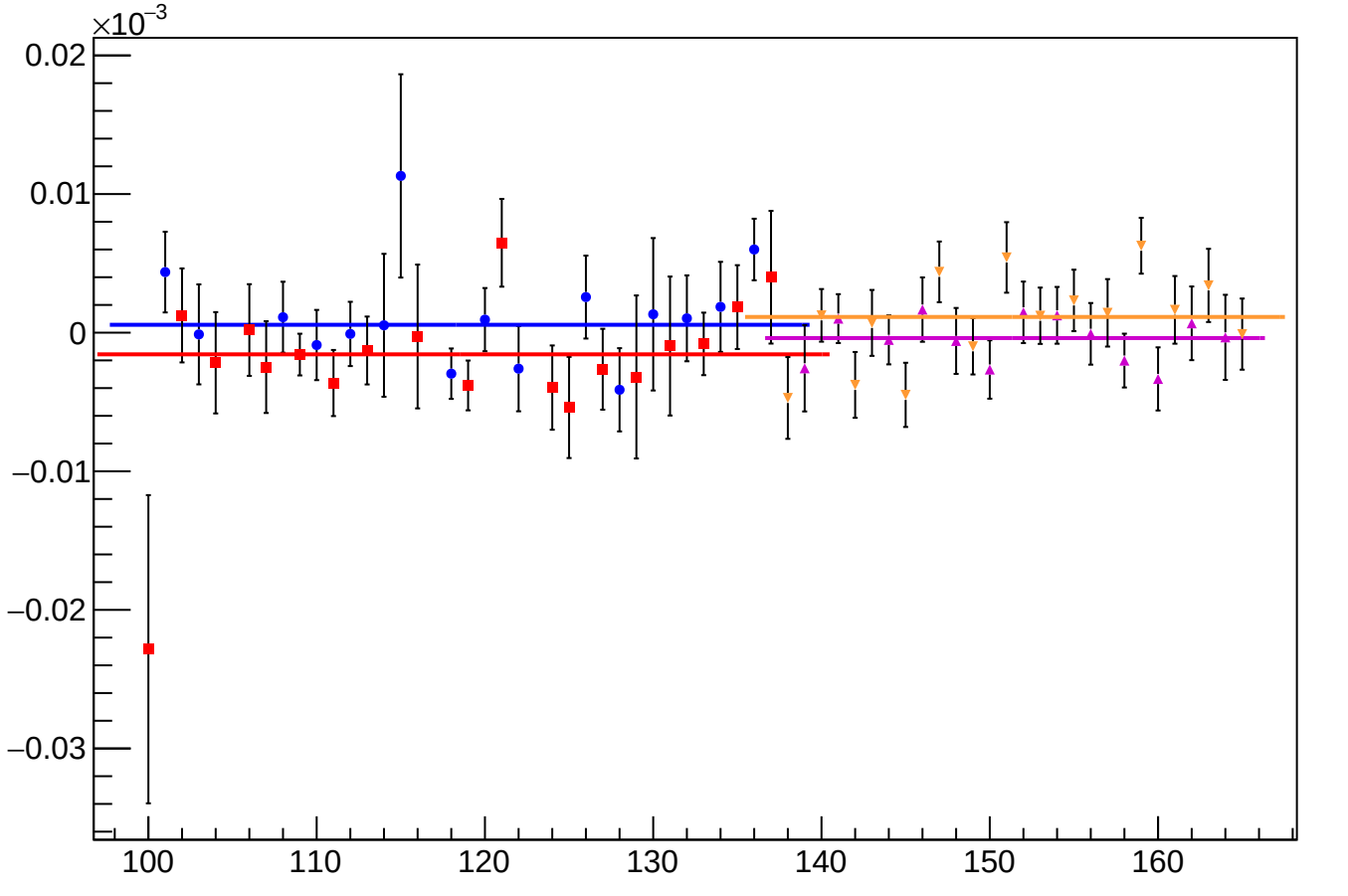
Left: 24.028+/-0.004 χ^2/NDF: 1757526.1/27

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.950+/-0.004 χ^2/NDF:2388247.0/28

Out: 22.879+/-0.004 χ^2/NDF:2433699.3/33

All: 22.914+/-0.003 χ^2/NDF: 4822105.7/62



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

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/12

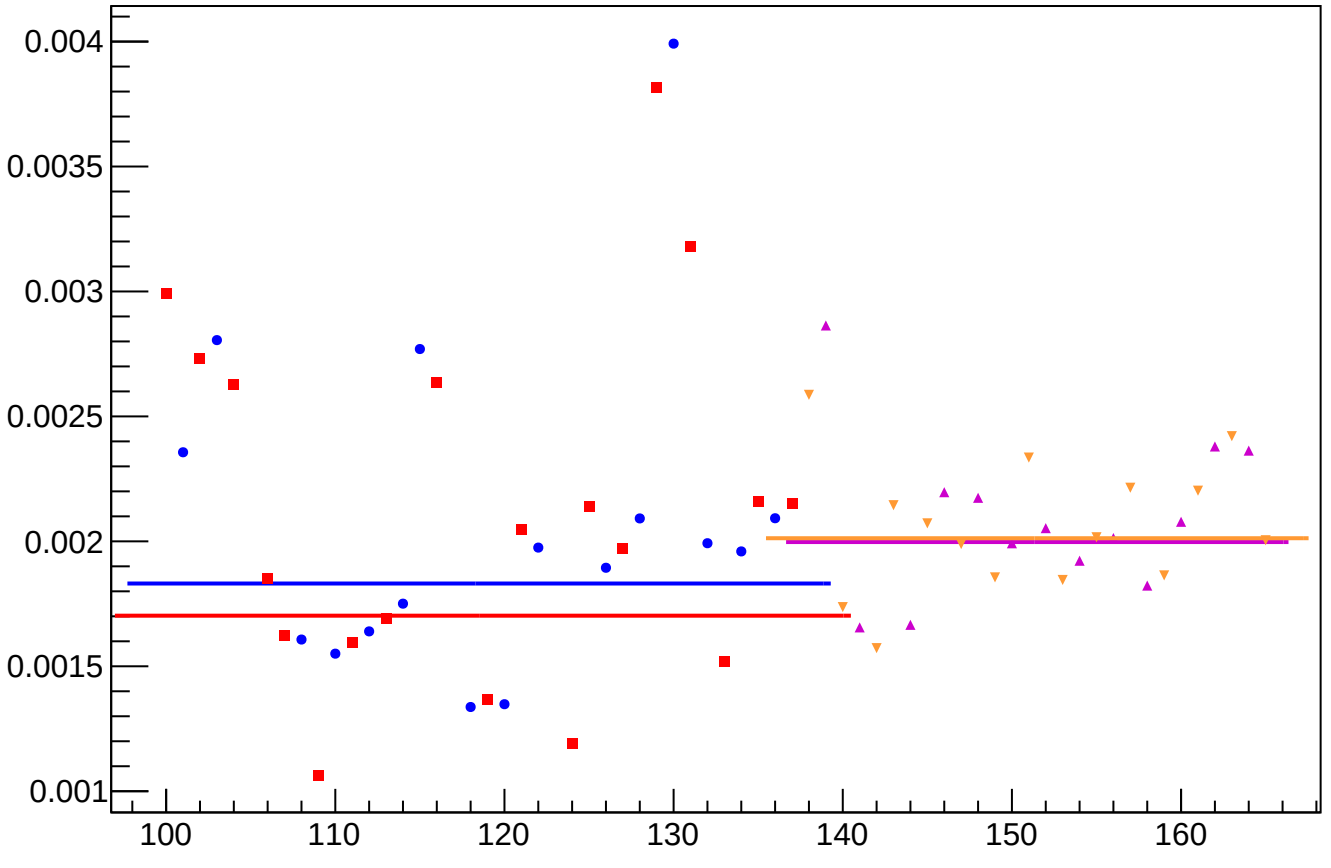
Left: 0.000+/-0.000 χ^2/NDF: 38.3/27

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:26.3/28

Out: -0.000+/-0.000 χ^2/NDF:55.6/33

All: -0.000+/-0.000 χ^2/NDF: 81.9/62



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336572.8/14

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:418439.3/12

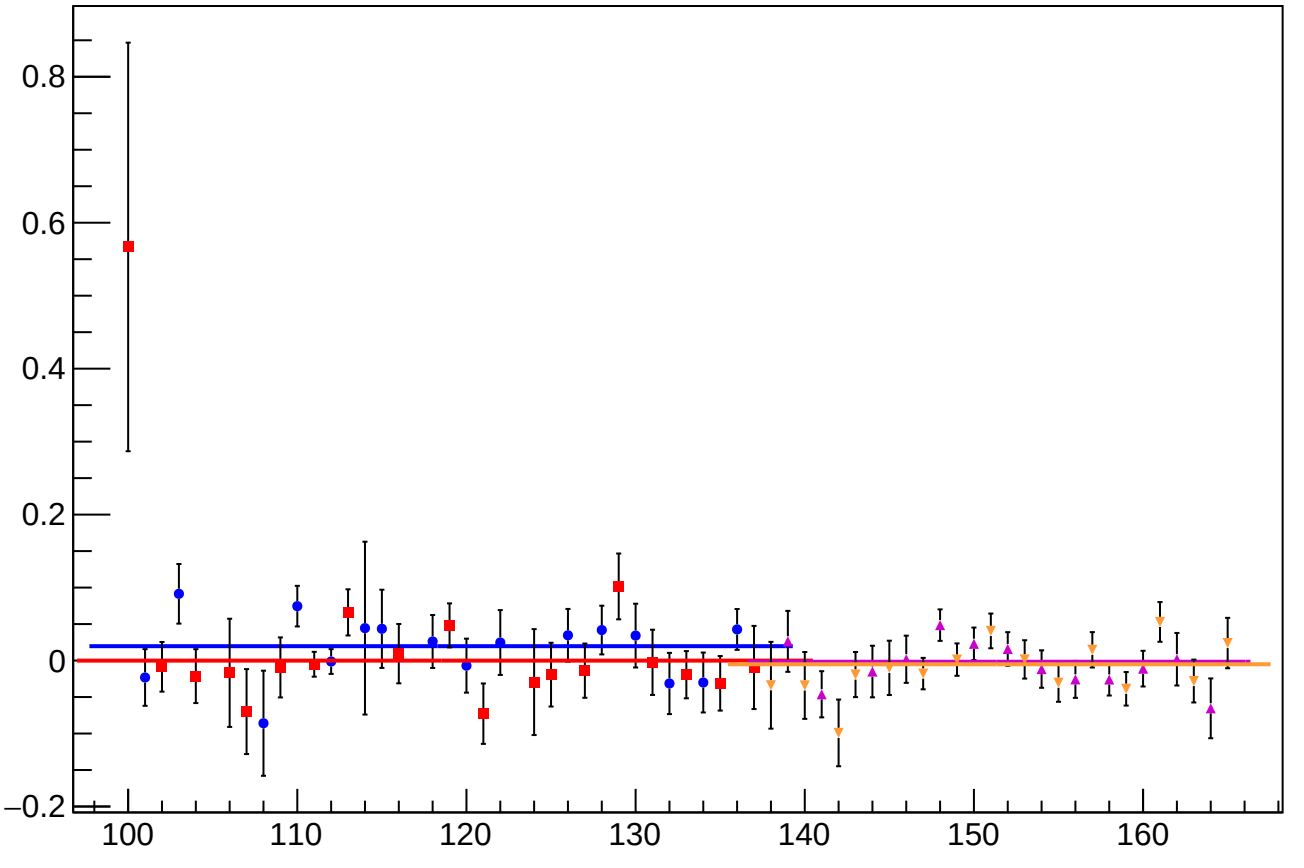
Left: 0.002+/-0.000 χ^2/NDF: 755660.2/27

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1381986.4/28

Out: 0.002+/-0.000 χ^2/NDF:2059794.6/33

All: 0.002+/-0.000 χ^2/NDF: 3455020.3/62



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

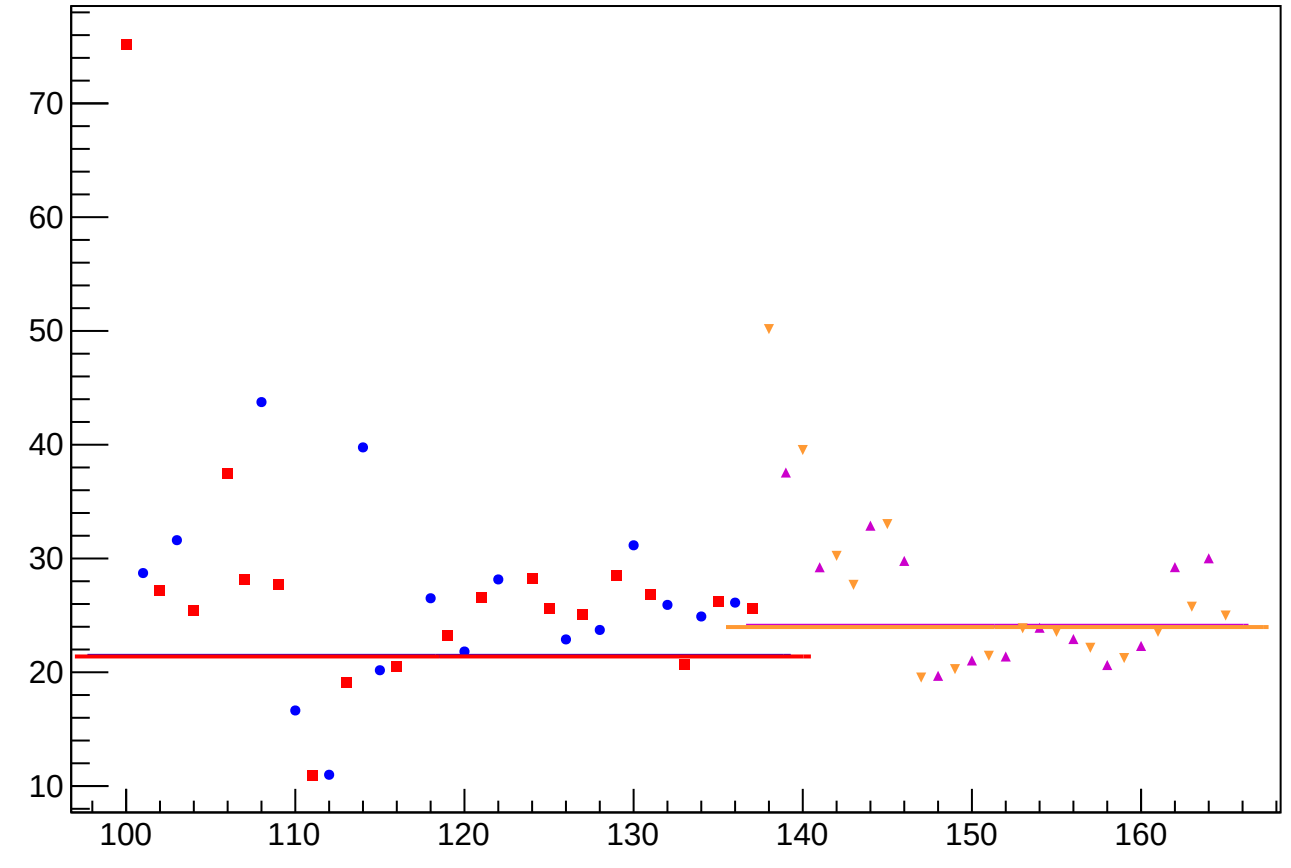
Left: -0.003+/-0.005 χ^2/NDF: 33.7/27

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.002+/-0.004 χ^2/NDF: 78.8/62



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015349.3/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

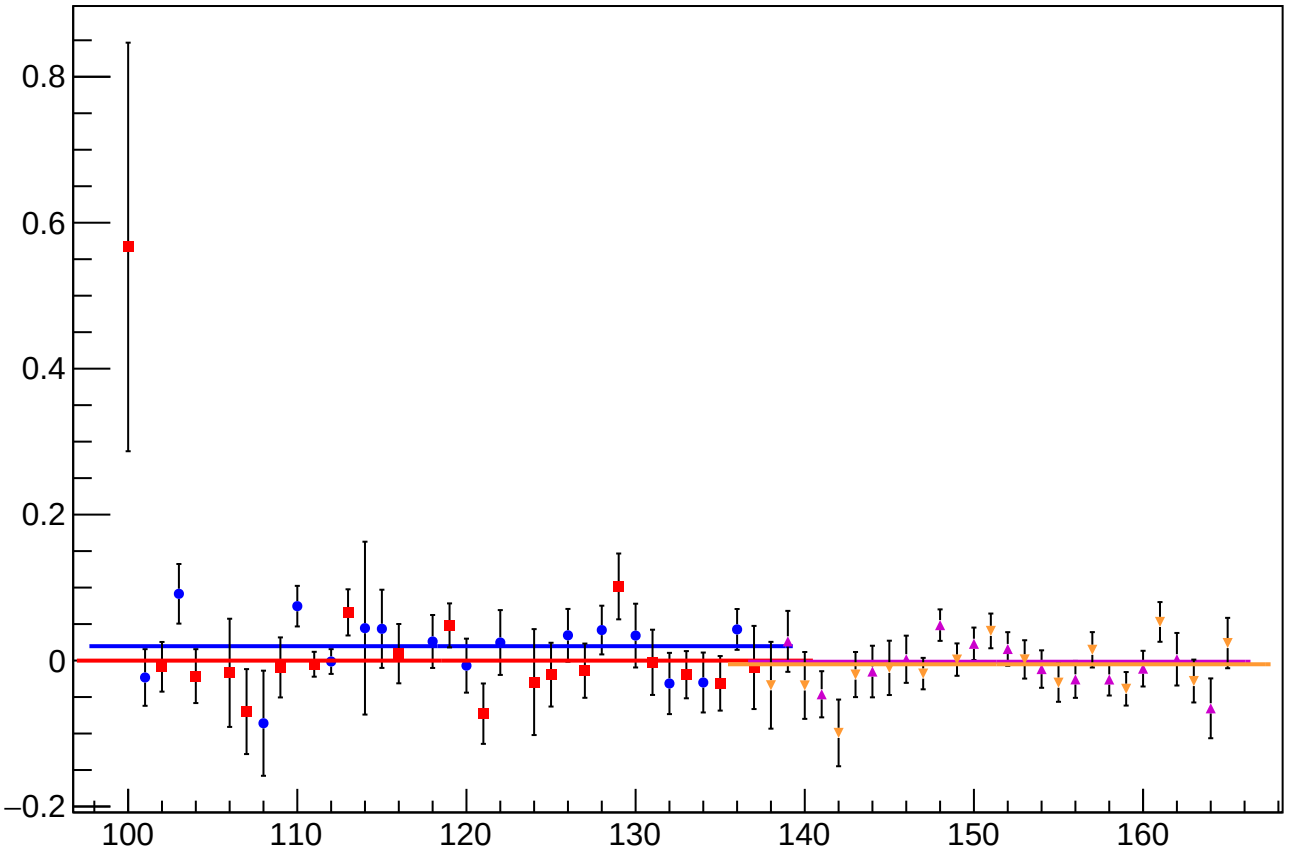
Left: 24.029+/-0.004 χ^2/NDF: 1757525.5/27

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.950+/-0.004 χ^2/NDF:2388459.2/28

Out: 22.879+/-0.004 χ^2/NDF:2433884.6/33

All: 22.913+/-0.003 χ^2/NDF: 4822503.1/62



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

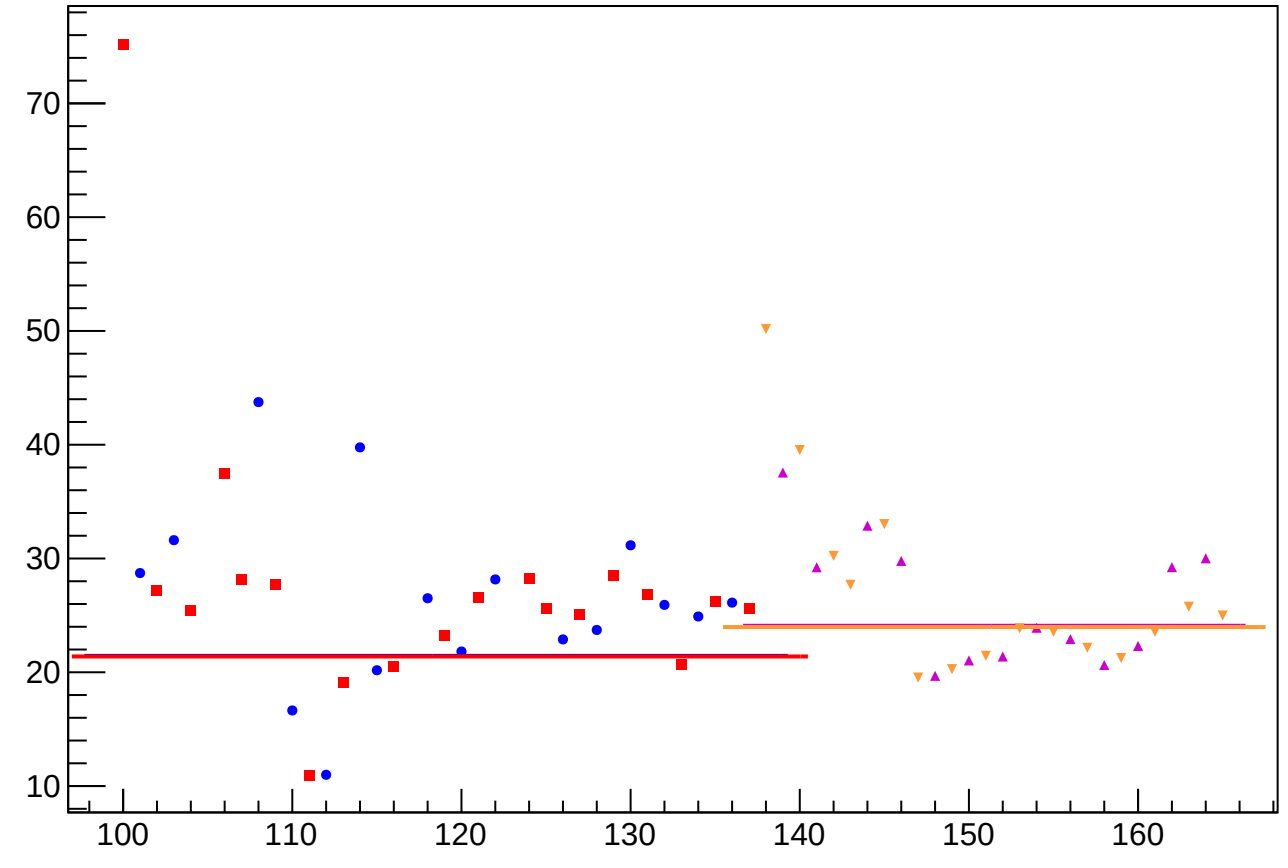
Left: -0.003+/-0.005 χ^2/NDF: 33.7/27

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.002+/-0.004 χ^2/NDF: 78.8/62



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015349.3/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

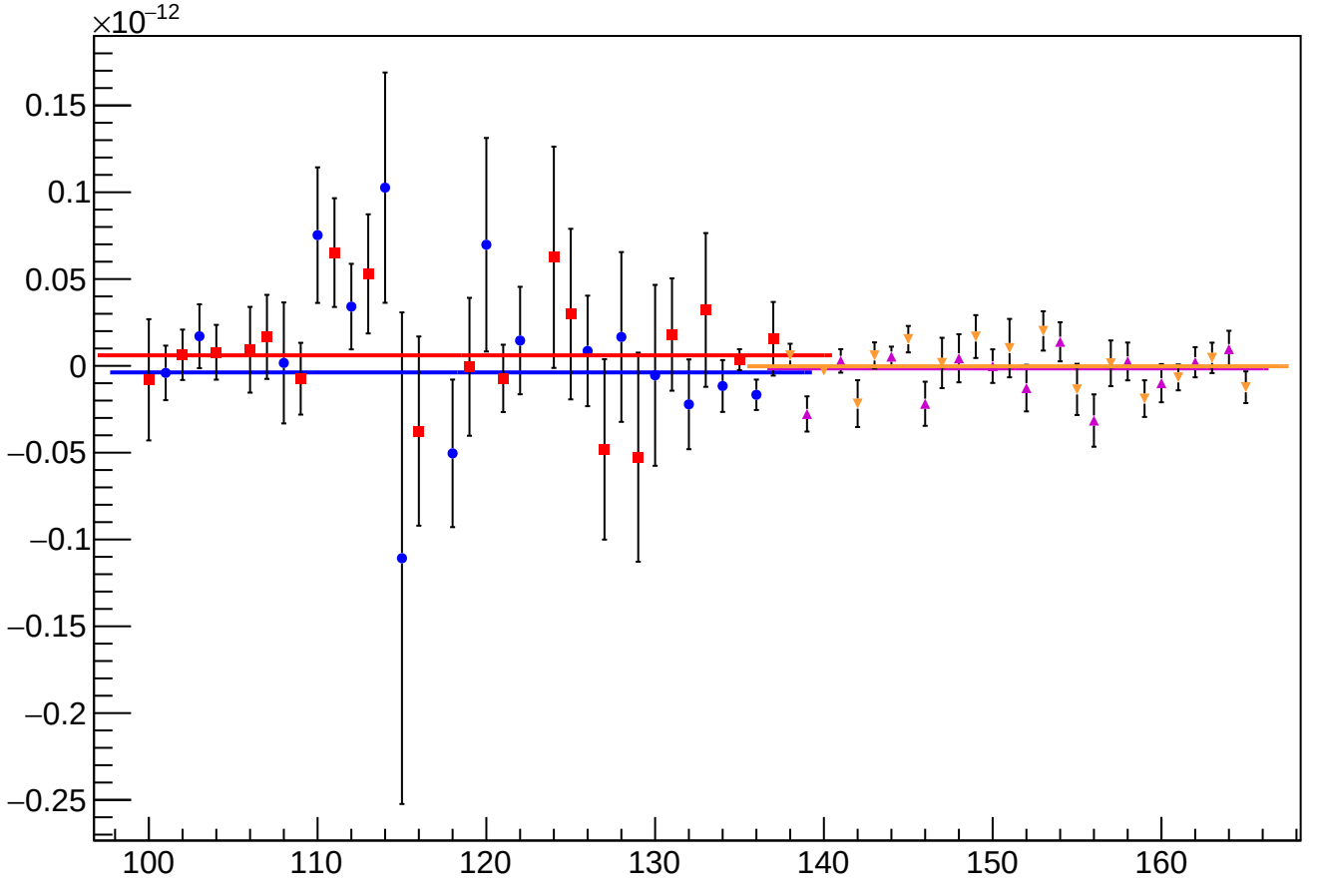
Left: 24.029+/-0.004 χ^2/NDF: 1757525.5/27

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.950+/-0.004 χ^2/NDF:2388459.2/28

Out: 22.879+/-0.004 χ^2/NDF:2433884.6/33

All: 22.913+/-0.003 χ^2/NDF: 4822503.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/12

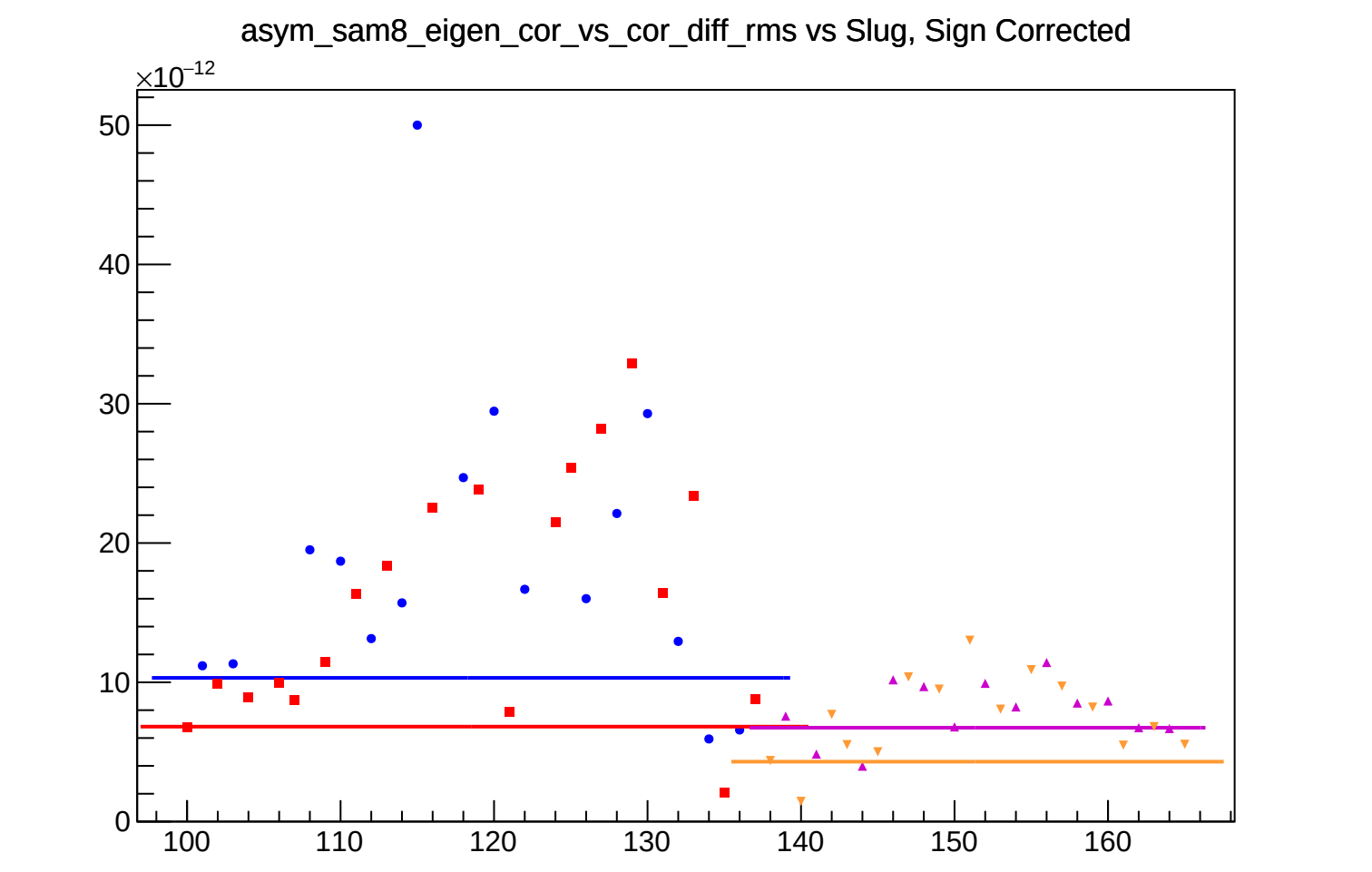
Left: -0.000+/-0.000 χ^2/NDF: 41.4/27

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:37.2/28

Out: 0.000+/-0.000 χ^2/NDF:34.4/33

All: -0.000+/-0.000 χ^2/NDF: 72.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4893213.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1329093.9/12

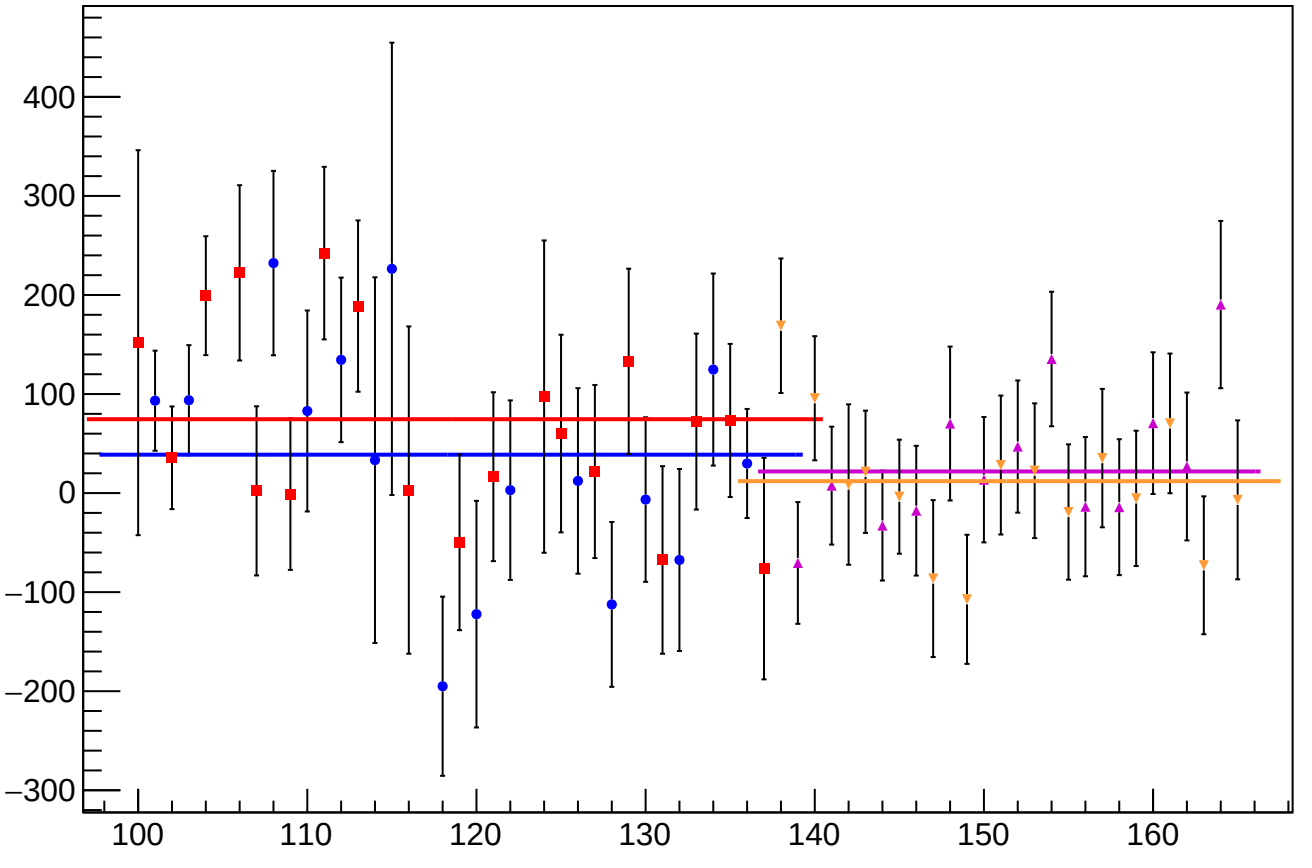
Left: 0.000+/-0.000 χ^2/NDF: 7323006.0/27

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:3966720.7/28

Out: 0.000+/-0.000 χ^2/NDF:9477156.1/33

All: 0.000+/-0.000 χ^2/NDF: 15095447.1/62



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.066+/-17.681 χ^2/NDF:14.8/14

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 21.832+/-18.596 χ^2/NDF:12.0/12

Left: 16.703+/-12.814 χ^2/NDF: 26.9/27

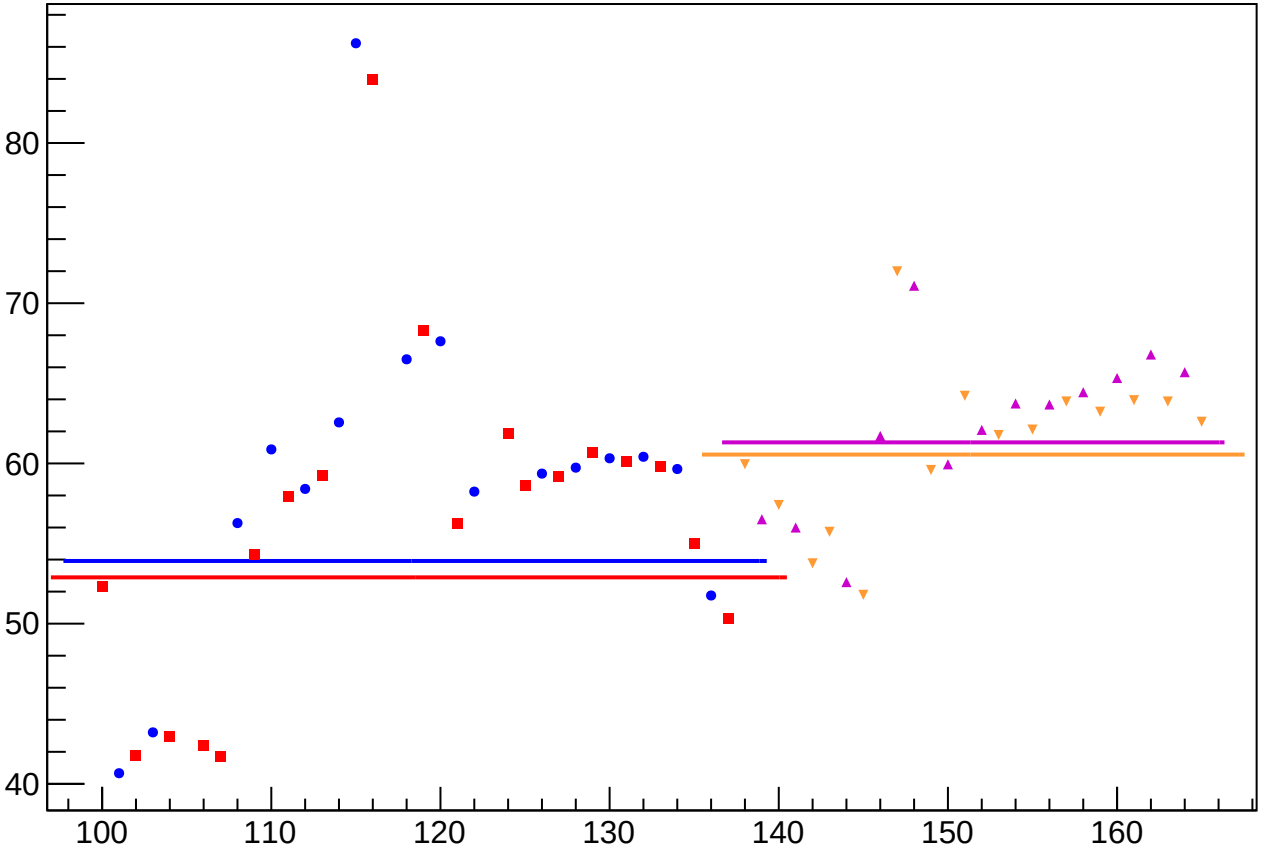
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 29.519+/-13.747 χ^2/NDF:35.7/28

Out: 39.797+/-13.189 χ^2/NDF:42.8/33

All: 34.871+/-9.517 χ^2/NDF: 78.8/62

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

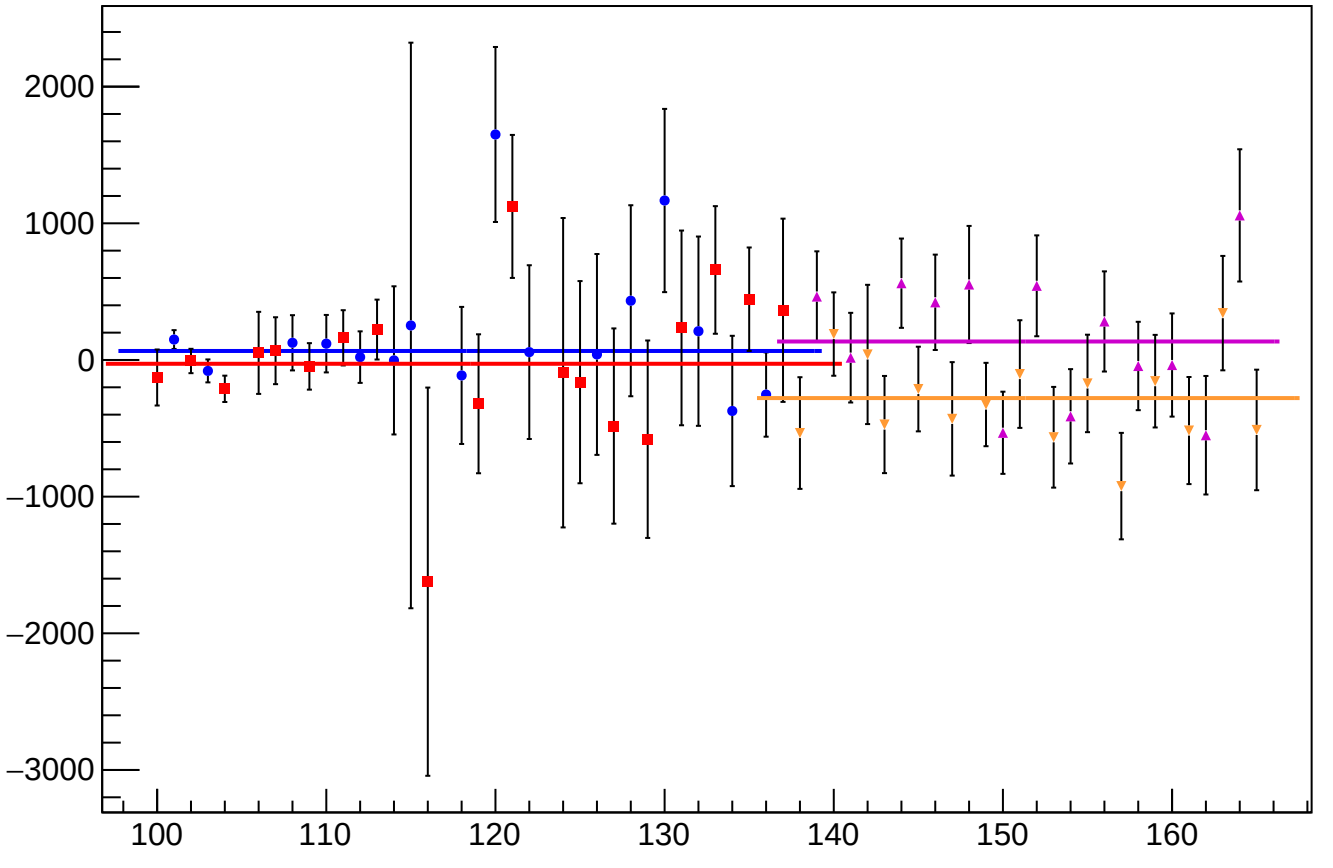
Left: 60.915+/-0.009 χ^2/NDF: 288732.9/27

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 57.958+/-0.010 χ^2/NDF:678960.3/28

Out: 57.154+/-0.009 χ^2/NDF:736973.0/33

All: 57.539+/-0.007 χ^2/NDF: 1419494.1/62



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -278.813+/-95.426 χ^2/NDF:10.3/14

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 135.216+/-99.079 χ^2/NDF:19.9/12

Left: -79.570+/-68.732 χ^2/NDF: 39.2/27

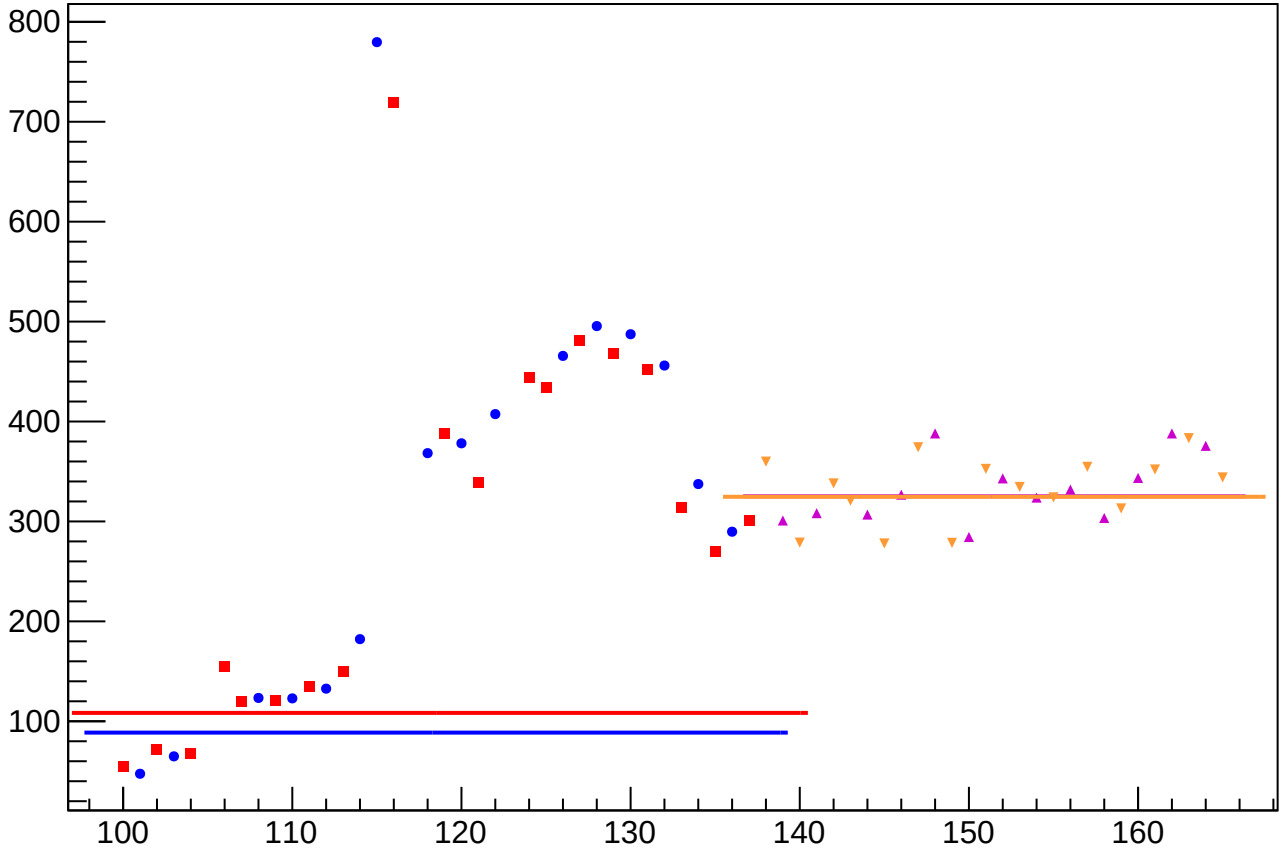
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 78.364+/-42.079 χ^2/NDF:36.0/28

Out: -82.402+/-44.491 χ^2/NDF:33.7/33

All: 2.457+/-30.571 χ^2/NDF: 76.6/62

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: 324.673+/-0.067 χ^2/NDF:259869.3/14

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 325.143+/-0.070 χ^2/NDF:185252.7/12

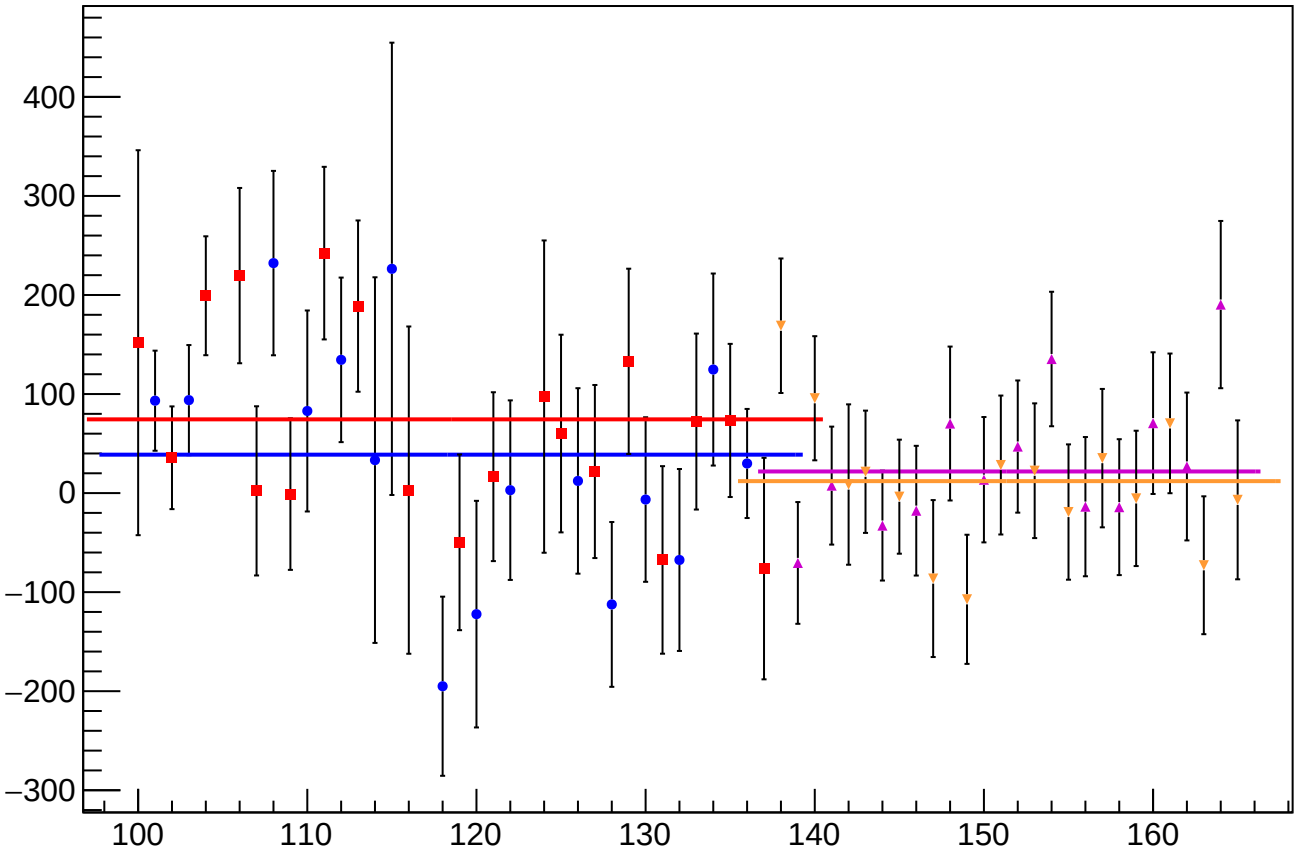
Left: 324.899+/-0.049 χ^2/NDF: 445145.4/27

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 131.312+/-0.030 χ^2/NDF:16172247.1/28

Out: 155.400+/-0.031 χ^2/NDF:13663713.8/33

All: 142.686+/-0.022 χ^2/NDF: 30145403.3/62



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.067+/-17.681 χ^2/NDF:14.8/14

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 21.831+/-18.596 χ^2/NDF:12.0/12

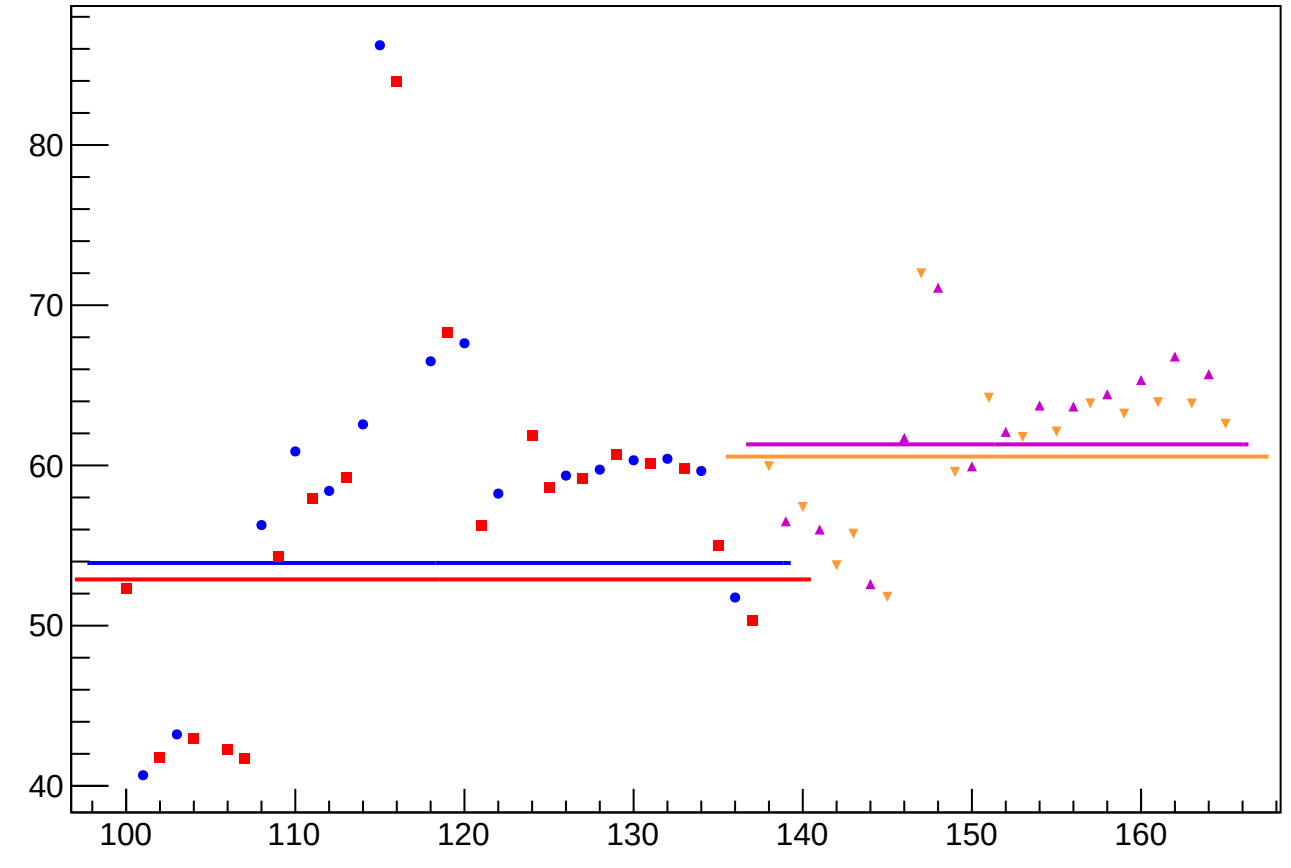
Left: 16.703+/-12.814 χ^2/NDF: 26.9/27

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 29.524+/-13.747 χ^2/NDF:35.7/28

Out: 39.735+/-13.189 χ^2/NDF:42.7/33

All: 34.841+/-9.517 χ^2/NDF: 78.6/62



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

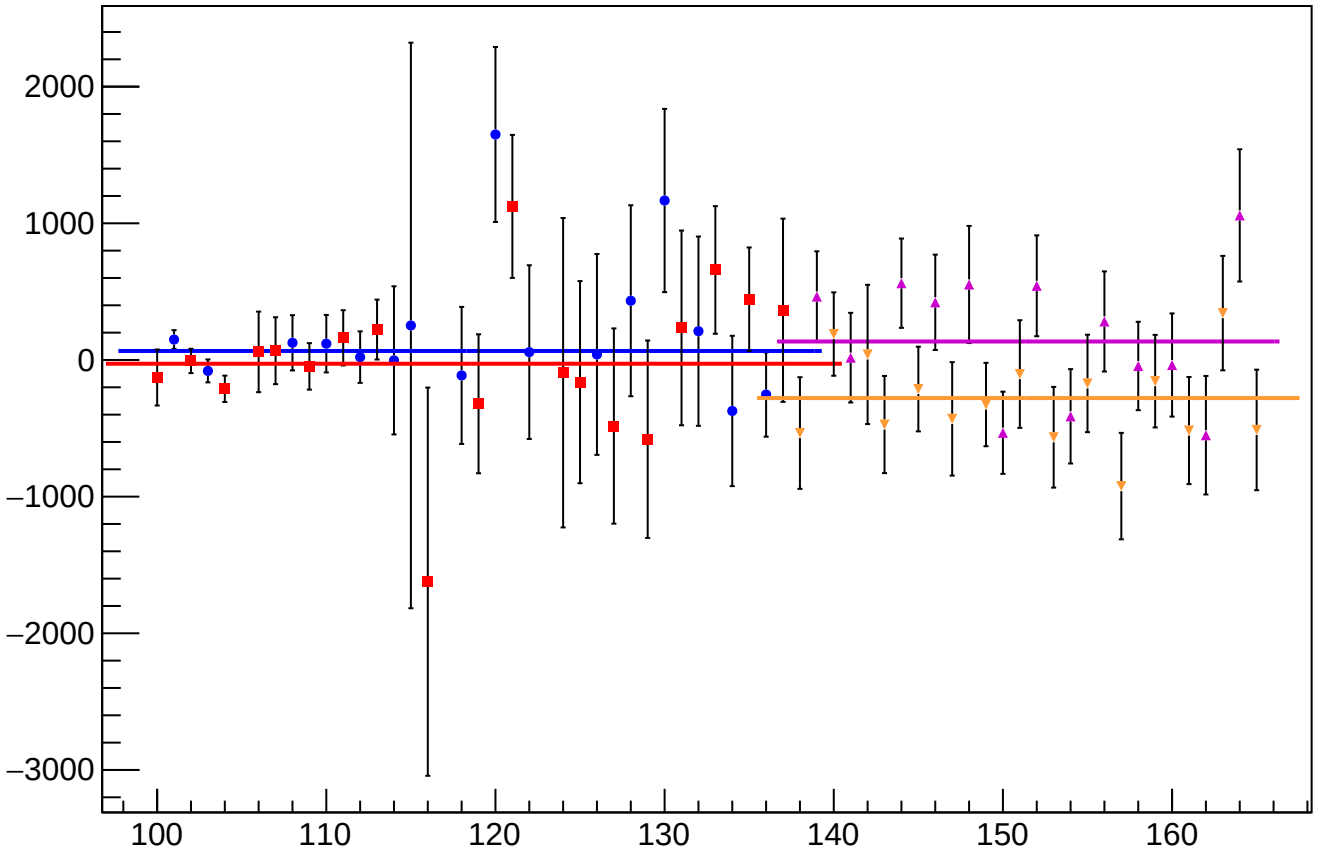
Left: 60.915+/-0.009 χ^2/NDF: 288732.9/27

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.958+/-0.010 χ^2/NDF:678959.4/28

Out: 57.153+/-0.009 χ^2/NDF:737365.1/33

All: 57.539+/-0.007 χ^2/NDF: 1419891.7/62



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -278.811+/-95.427 χ^2/NDF:10.3/14

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 135.215+/-99.079 χ^2/NDF:19.9/12

Left: -79.569+/-68.732 χ^2/NDF: 39.2/27

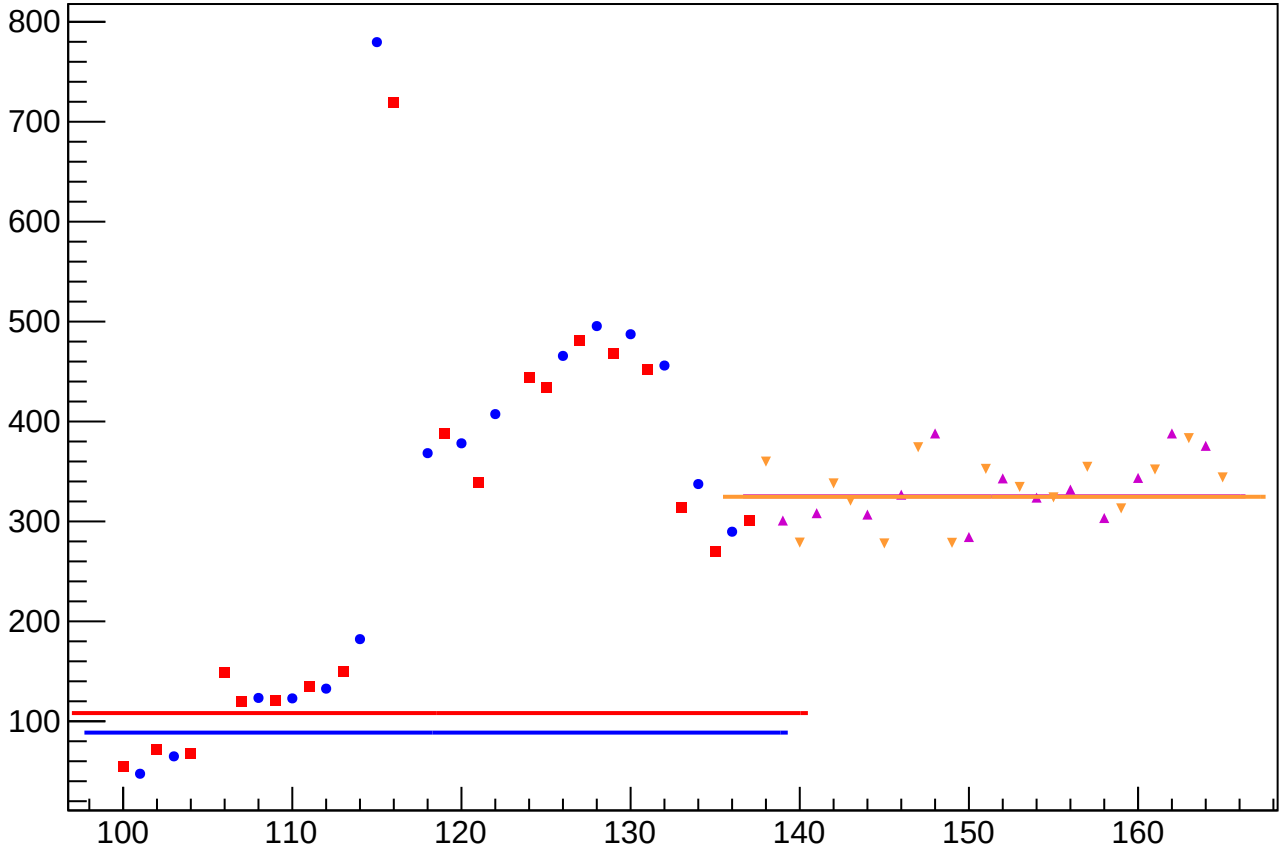
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.366+/-42.078 χ^2/NDF:36.0/28

Out: -81.981+/-44.461 χ^2/NDF:33.7/33

All: 2.605+/-30.561 χ^2/NDF: 76.6/62

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: 324.673+/-0.067 χ^2/NDF:259868.4/14

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

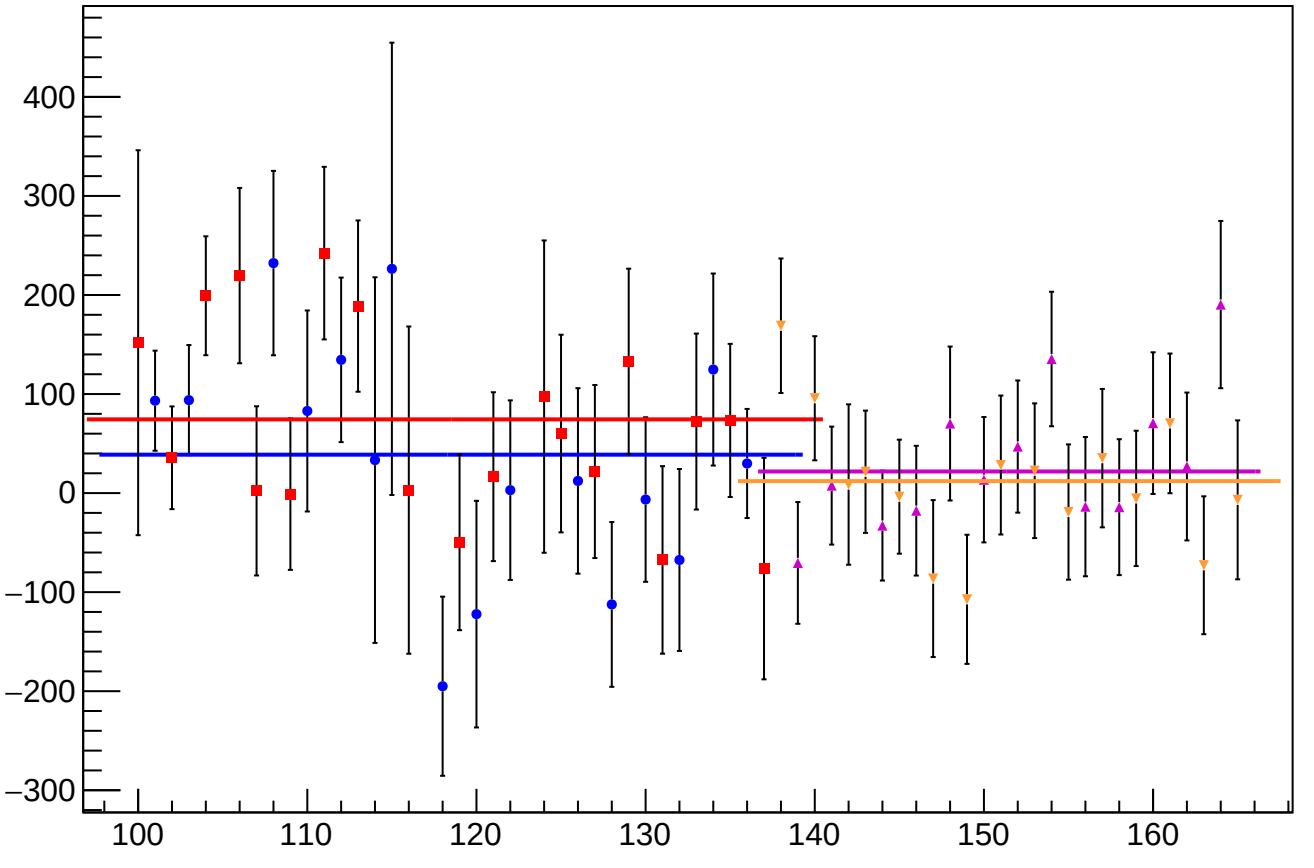
Left: 324.899+/-0.049 χ^2/NDF: 445148.9/27

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 131.309+/-0.030 χ^2/NDF:16172598.1/28

Out: 155.198+/-0.031 χ^2/NDF:13672001.6/33

All: 142.596+/-0.022 χ^2/NDF: 30149175.6/62



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.067+/-17.681 χ^2/NDF:14.8/14

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 21.831+/-18.596 χ^2/NDF:12.0/12

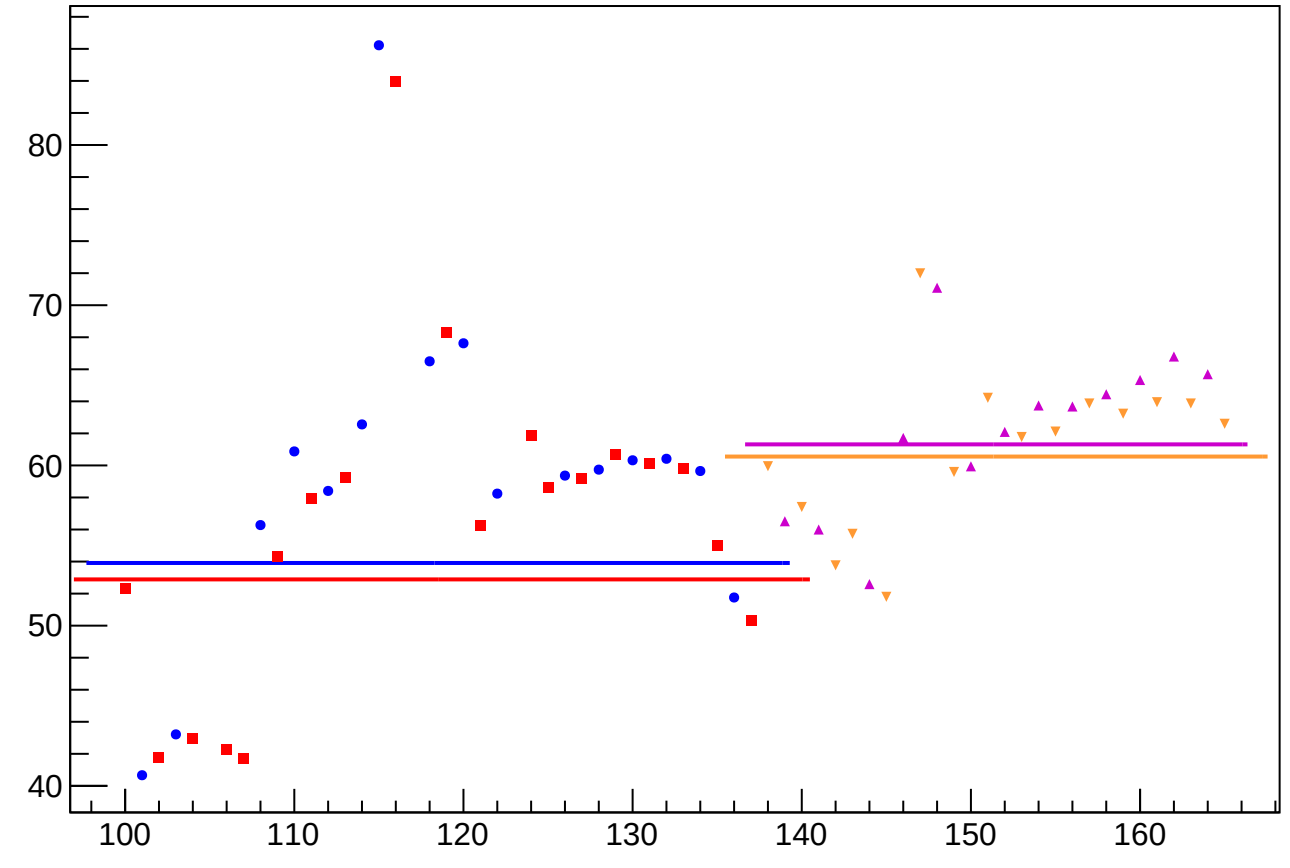
Left: 16.703+/-12.814 χ^2/NDF: 26.9/27

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 29.524+/-13.747 χ^2/NDF:35.7/28

Out: 39.735+/-13.189 χ^2/NDF:42.7/33

All: 34.841+/-9.517 χ^2/NDF: 78.6/62



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

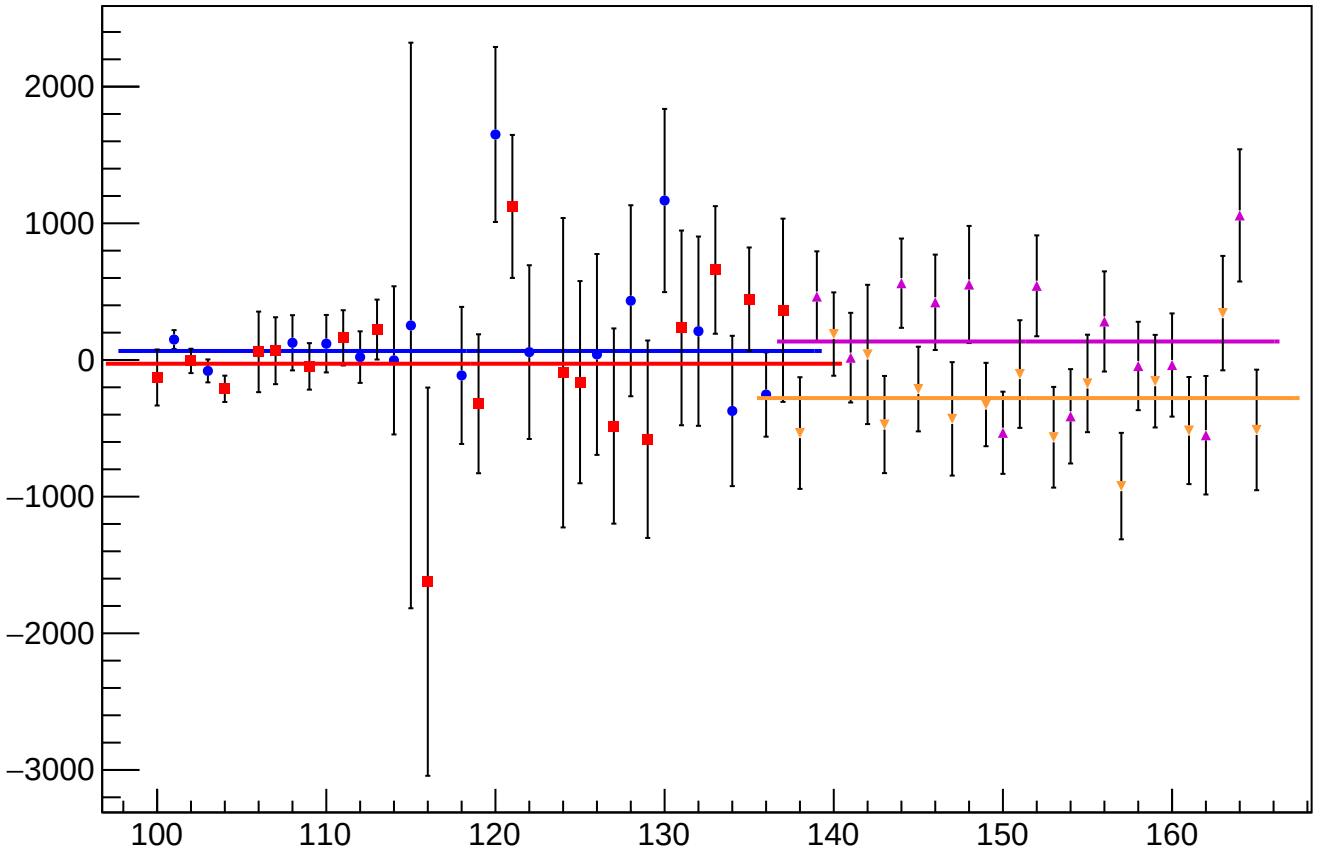
Left: 60.915+/-0.009 χ^2/NDF: 288732.9/27

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.958+/-0.010 χ^2/NDF:678959.4/28

Out: 57.153+/-0.009 χ^2/NDF:737365.1/33

All: 57.539+/-0.007 χ^2/NDF: 1419891.7/62



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -278.811+/-95.427 χ^2/NDF:10.3/14

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 135.215+/-99.079 χ^2/NDF:19.9/12

Left: -79.569+/-68.732 χ^2/NDF: 39.2/27

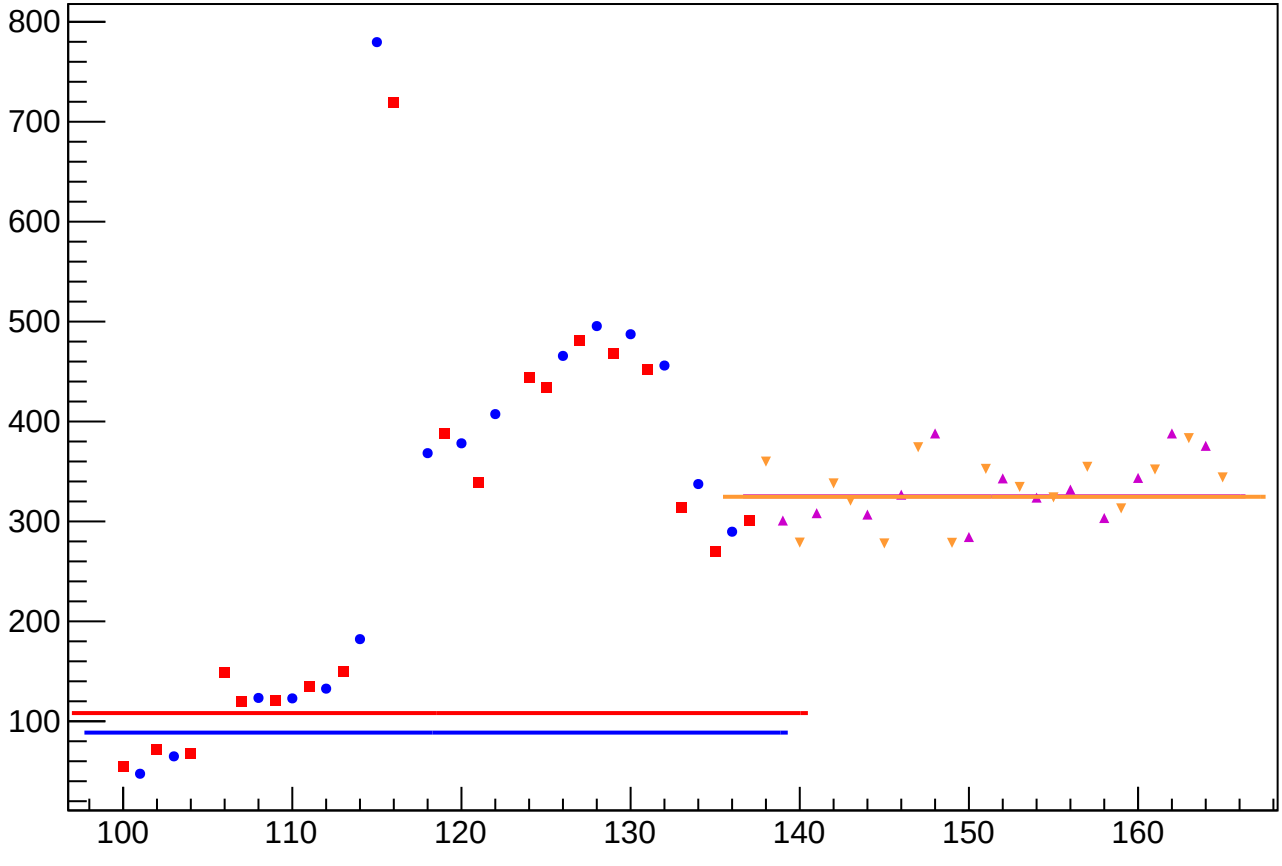
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.366+/-42.078 χ^2/NDF:36.0/28

Out: -81.981+/-44.461 χ^2/NDF:33.7/33

All: 2.605+/-30.561 χ^2/NDF: 76.6/62

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: 324.673+/-0.067 χ^2/NDF:259868.4/14

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

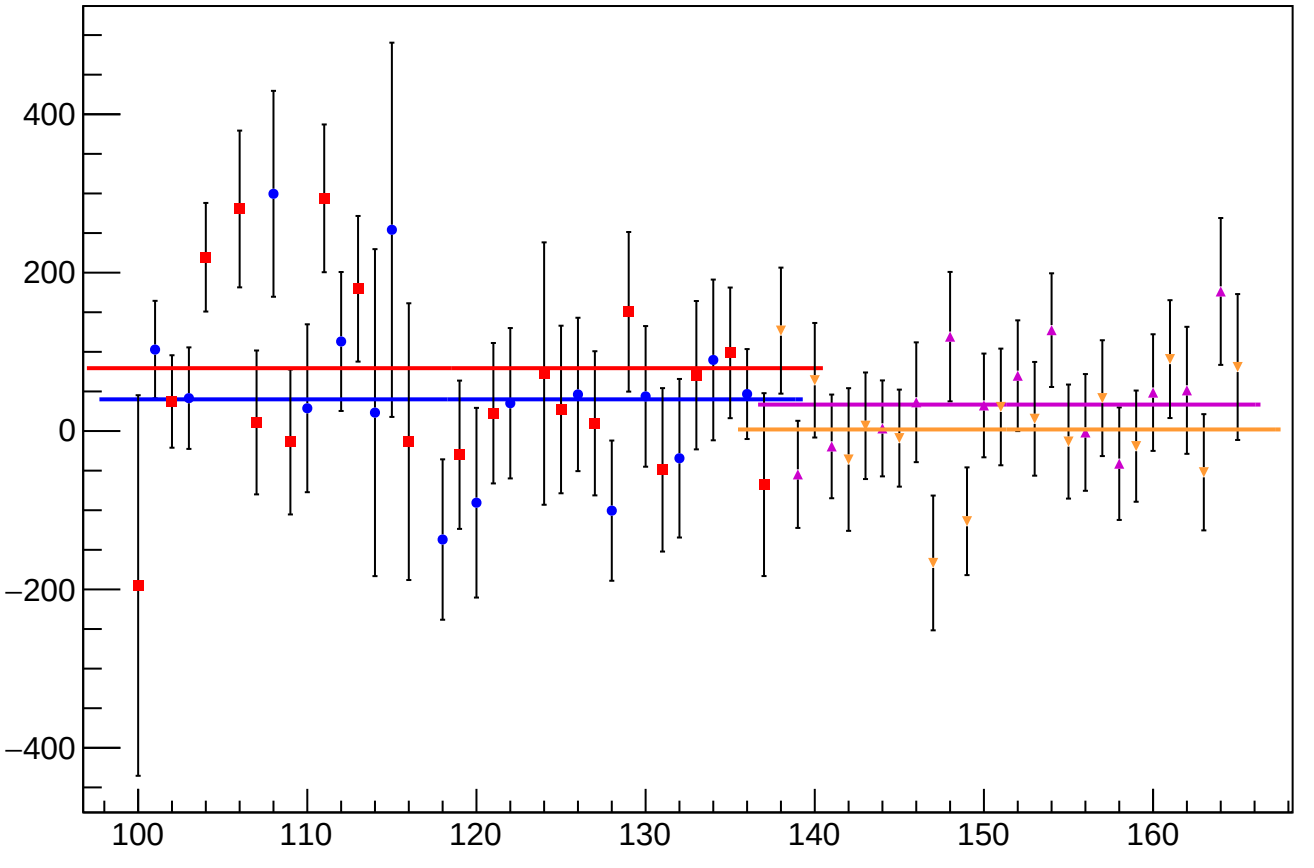
Left: 324.899+/-0.049 χ^2/NDF: 445148.9/27

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 131.309+/-0.030 χ^2/NDF:16172598.1/28

Out: 155.198+/-0.031 χ^2/NDF:13672001.6/33

All: 142.596+/-0.022 χ^2/NDF: 30149175.6/62



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 1.995+/-19.038 χ^2/NDF:13.6/14

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 33.404+/-19.925 χ^2/NDF:9.5/12

Left: 16.985+/-13.765 χ^2/NDF: 24.3/27

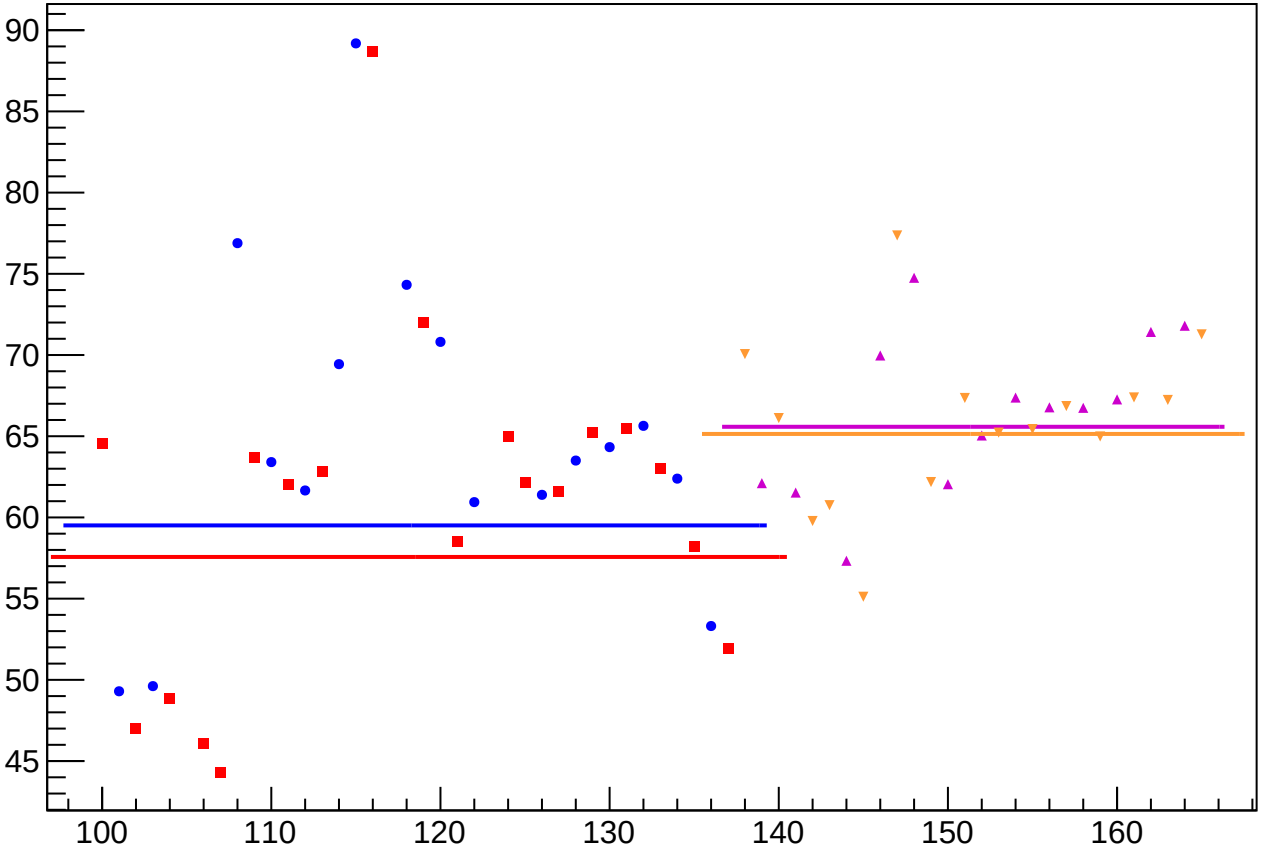
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 36.314+/-14.921 χ^2/NDF:23.7/28

Out: 35.868+/-14.276 χ^2/NDF:45.6/33

All: 36.081+/-10.315 χ^2/NDF: 69.3/62

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.141+/-0.013 χ^2/NDF:137449.5/14

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 65.581+/-0.014 χ^2/NDF:110868.7/12

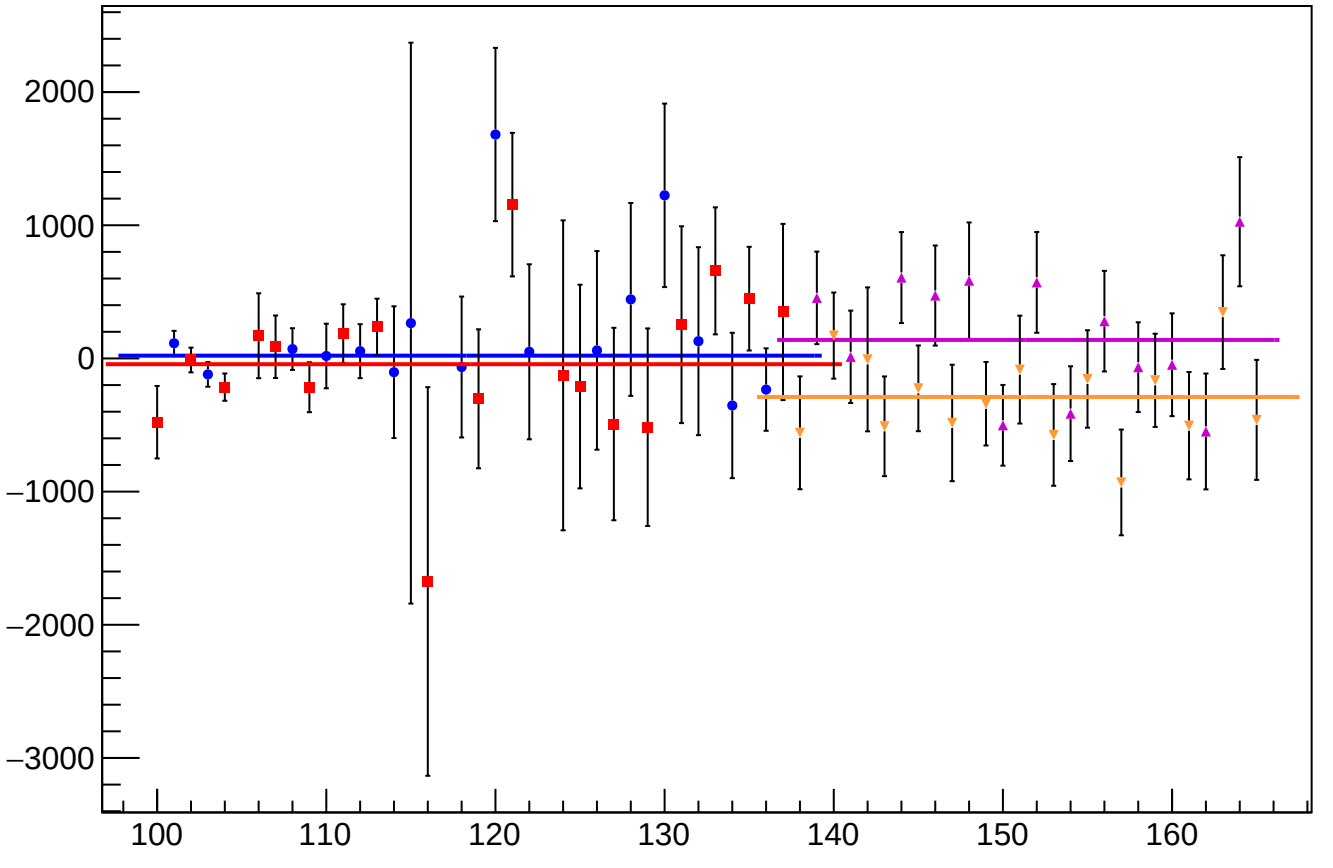
Left: 65.351+/-0.010 χ^2/NDF: 248830.2/27

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.914+/-0.011 χ^2/NDF:475659.1/28

Out: 61.825+/-0.010 χ^2/NDF:623378.1/33

All: 62.346+/-0.007 χ^2/NDF: 1104599.8/62



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -289.668+/-98.879 χ^2/NDF:9.7/14

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 138.992+/-102.437 χ^2/NDF:19.4/12

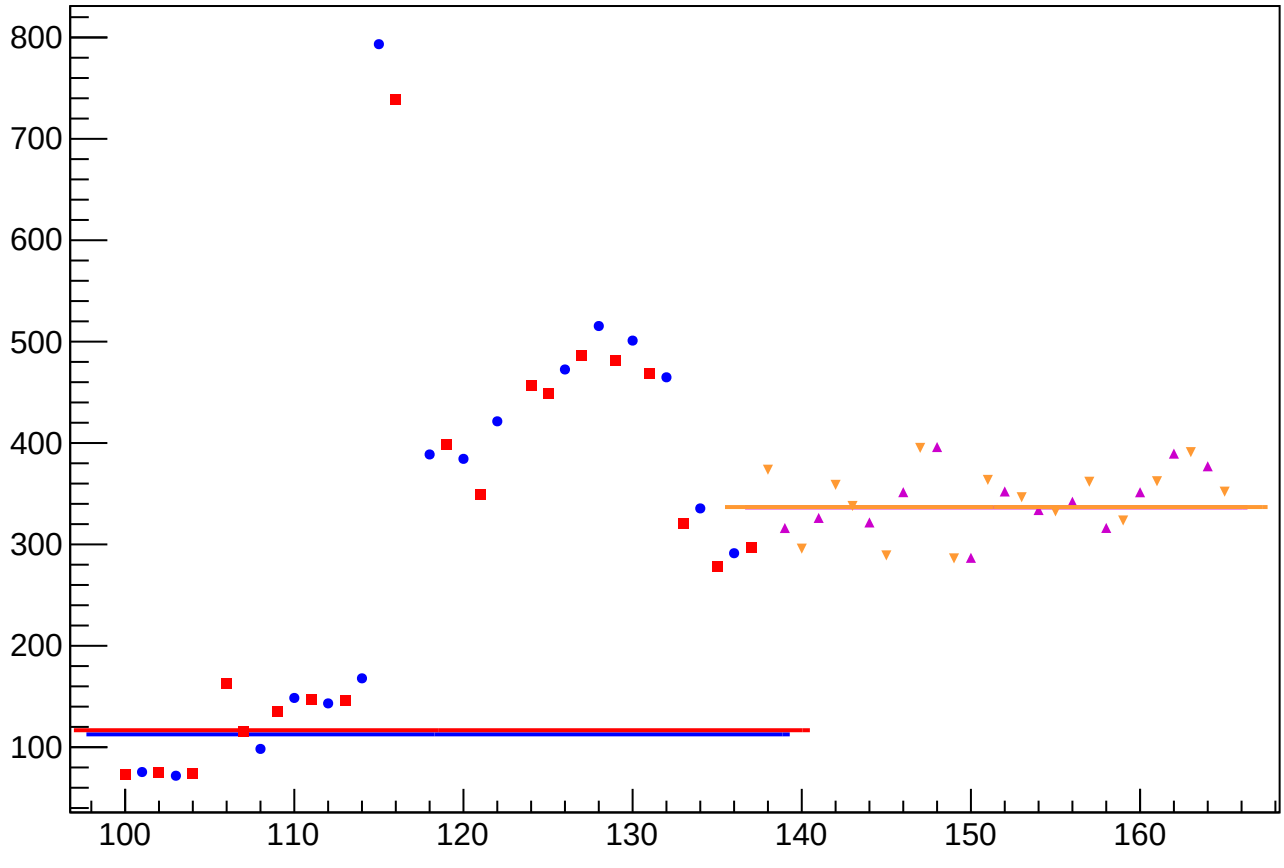
Left: -82.913+/-71.143 χ^2/NDF: 38.2/27

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 46.224+/-47.481 χ^2/NDF:35.1/28

Out: -98.595+/-46.856 χ^2/NDF:36.0/33

All: -27.144+/-33.351 χ^2/NDF: 75.8/62



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 336.846+/-0.070 χ^2/NDF:245846.6/14

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 336.496+/-0.072 χ^2/NDF:164466.9/12

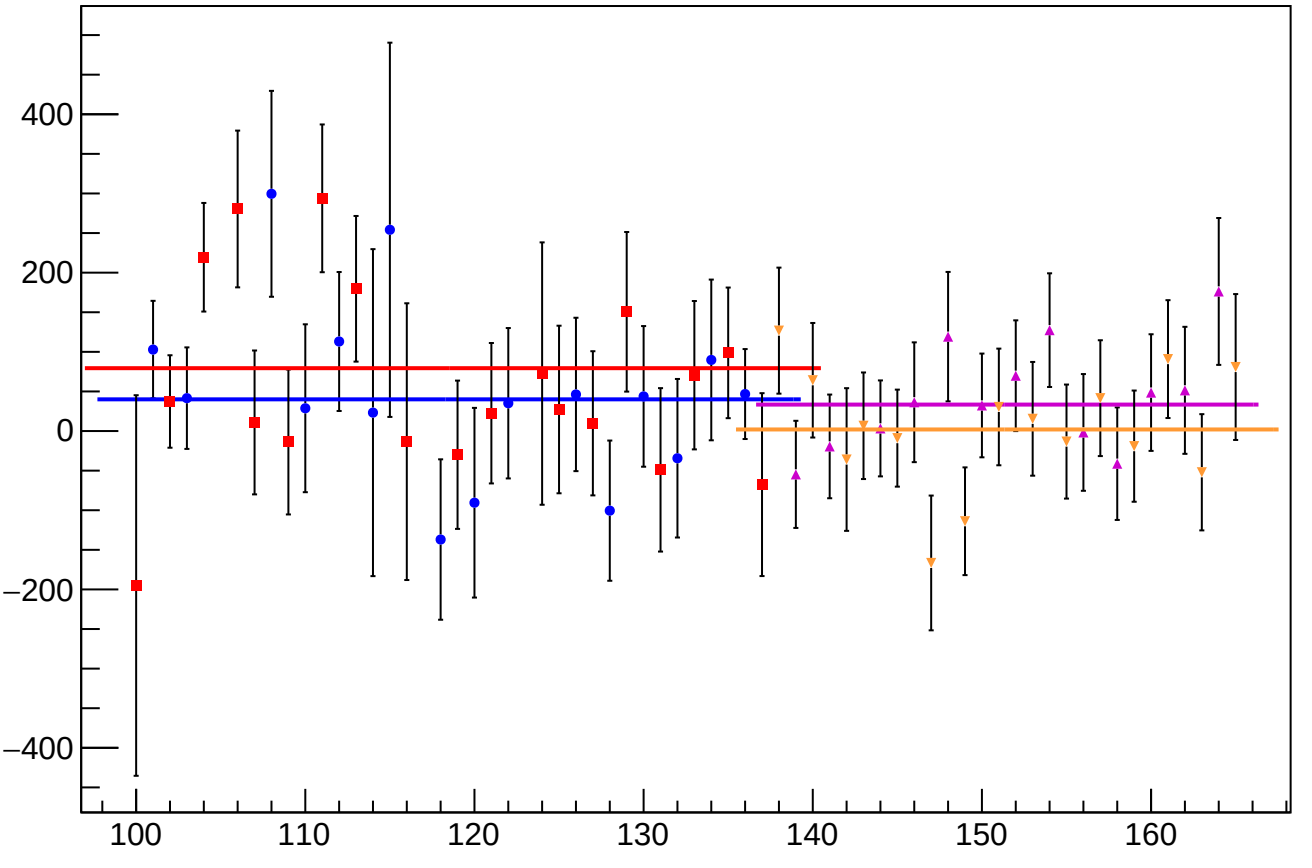
Left: 336.677+/-0.050 χ^2/NDF: 410325.5/27

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 160.757+/-0.034 χ^2/NDF:13261266.2/28

Out: 166.161+/-0.033 χ^2/NDF:13072596.5/33

All: 163.495+/-0.024 χ^2/NDF: 26346991.5/62



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 1.996+/-19.038 χ^2/NDF:13.6/14

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 33.404+/-19.925 χ^2/NDF:9.5/12

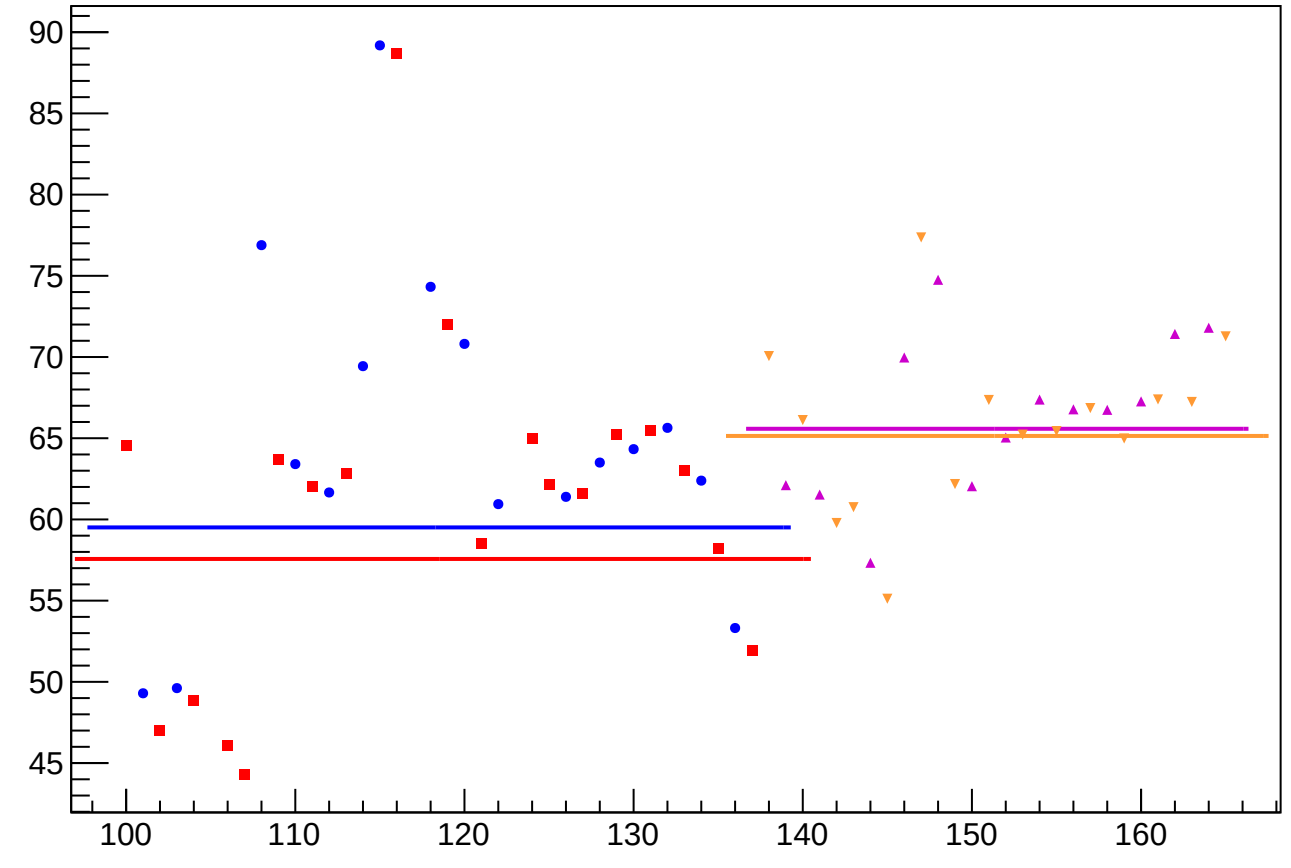
Left: 16.986+/-13.765 χ^2/NDF: 24.3/27

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 36.314+/-14.921 χ^2/NDF:23.7/28

Out: 35.869+/-14.276 χ^2/NDF:45.6/33

All: 36.082+/-10.315 χ^2/NDF: 69.3/62



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.141+/-0.013 χ^2/NDF:137452.7/14

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.582+/-0.014 χ^2/NDF:110865.6/12

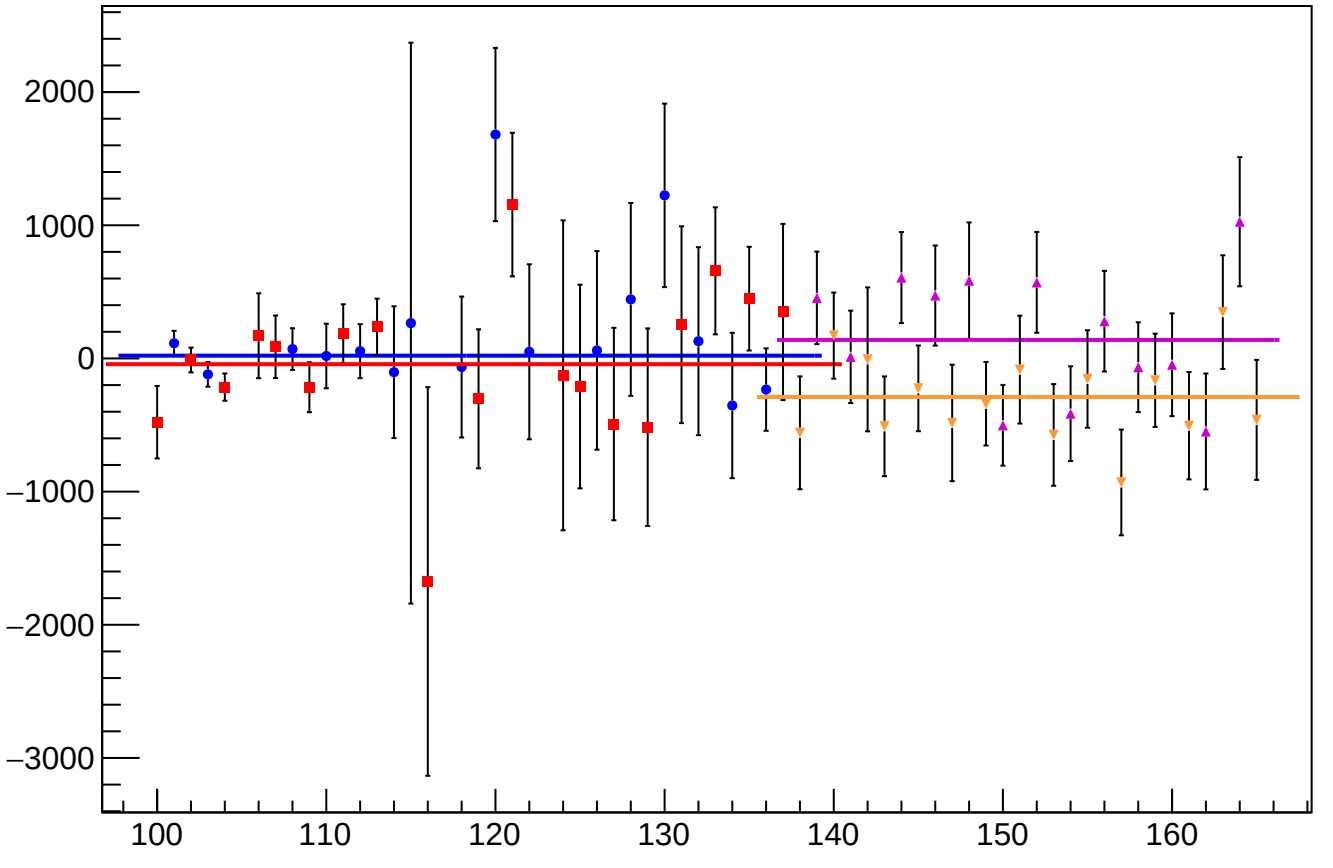
Left: 65.351+/-0.010 χ^2/NDF: 248830.4/27

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 62.914+/-0.011 χ^2/NDF:475660.1/28

Out: 61.825+/-0.010 χ^2/NDF:623384.9/33

All: 62.346+/-0.007 χ^2/NDF: 1104607.7/62



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -289.668+/-98.879 χ^2/NDF:9.7/14

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 138.992+/-102.438 χ^2/NDF:19.4/12

Left: -82.913+/-71.143 χ^2/NDF: 38.2/27

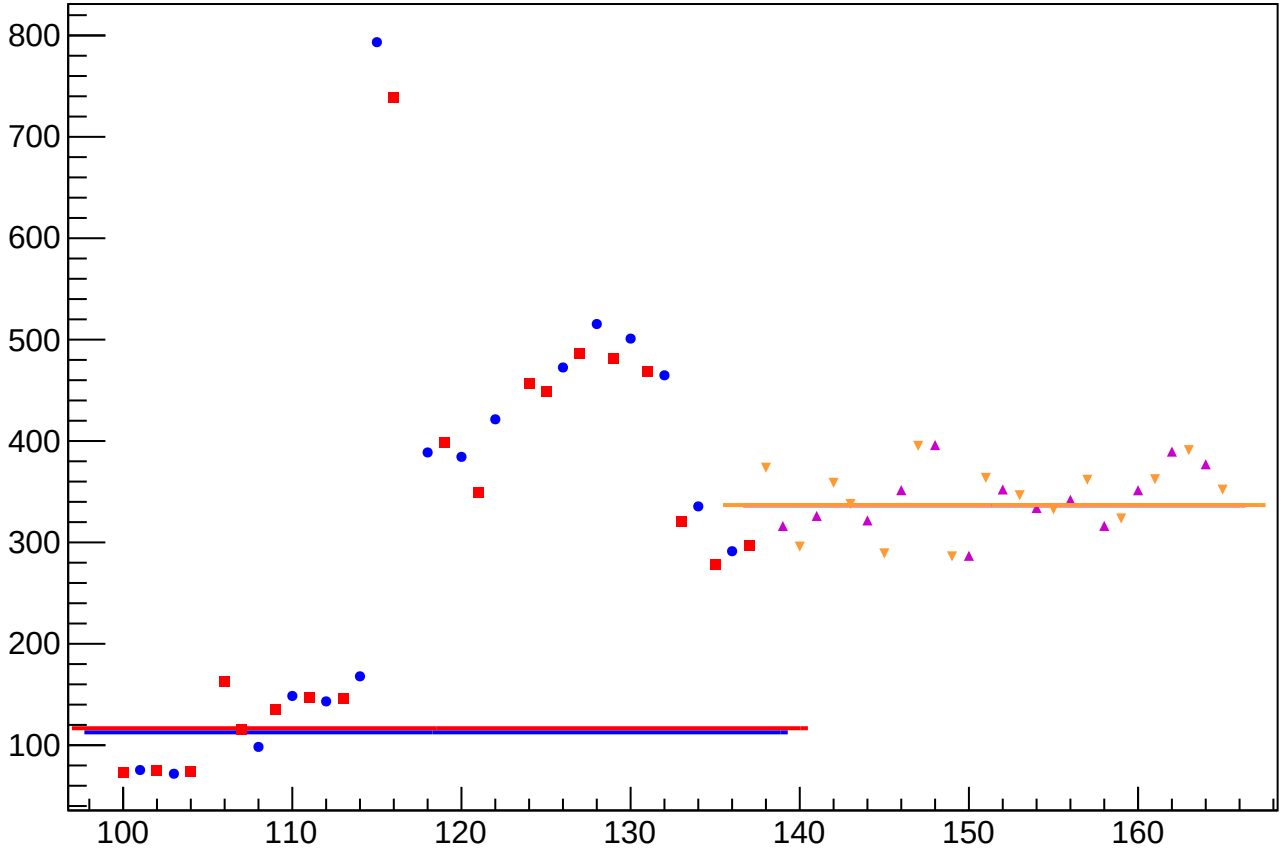
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 46.224+/-47.481 χ^2/NDF:35.1/28

Out: -98.594+/-46.856 χ^2/NDF:36.0/33

All: -27.144+/-33.351 χ^2/NDF: 75.8/62

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: 336.847+/-0.070 χ^2/NDF:245845.4/14

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 336.497+/-0.072 χ^2/NDF:164462.8/12

Left: 336.678+/-0.050 χ^2/NDF: 410320.3/27

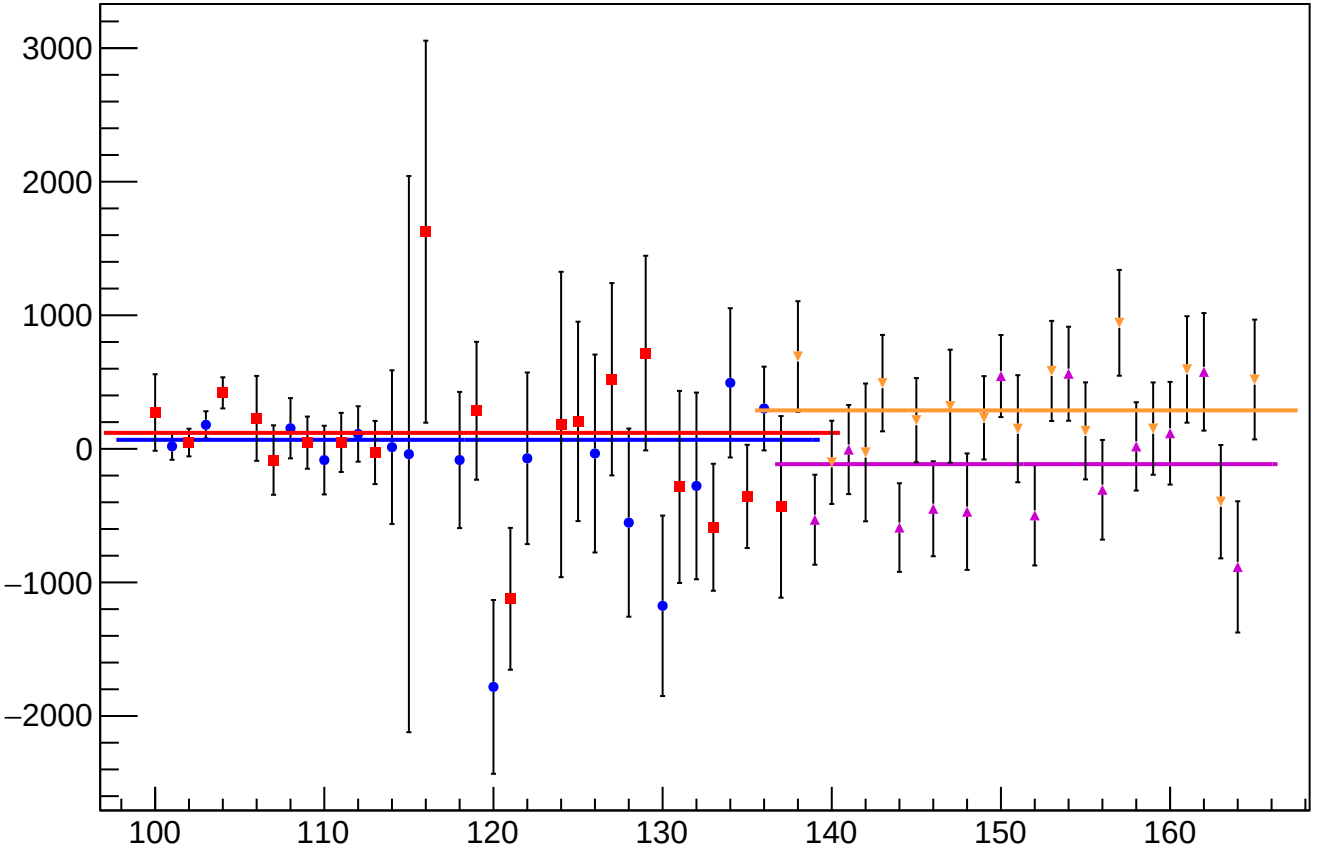
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 160.756+/-0.034 χ^2/NDF:13261304.0/28

Out: 166.161+/-0.033 χ^2/NDF:13072658.5/33

All: 163.494+/-0.024 χ^2/NDF: 26347090.6/62

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 288.021+/-97.133 χ^2/NDF:10.6/14

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -114.483+/-100.887 χ^2/NDF:20.3/12

Left: 94.396+/-69.973 χ^2/NDF: 39.1/27

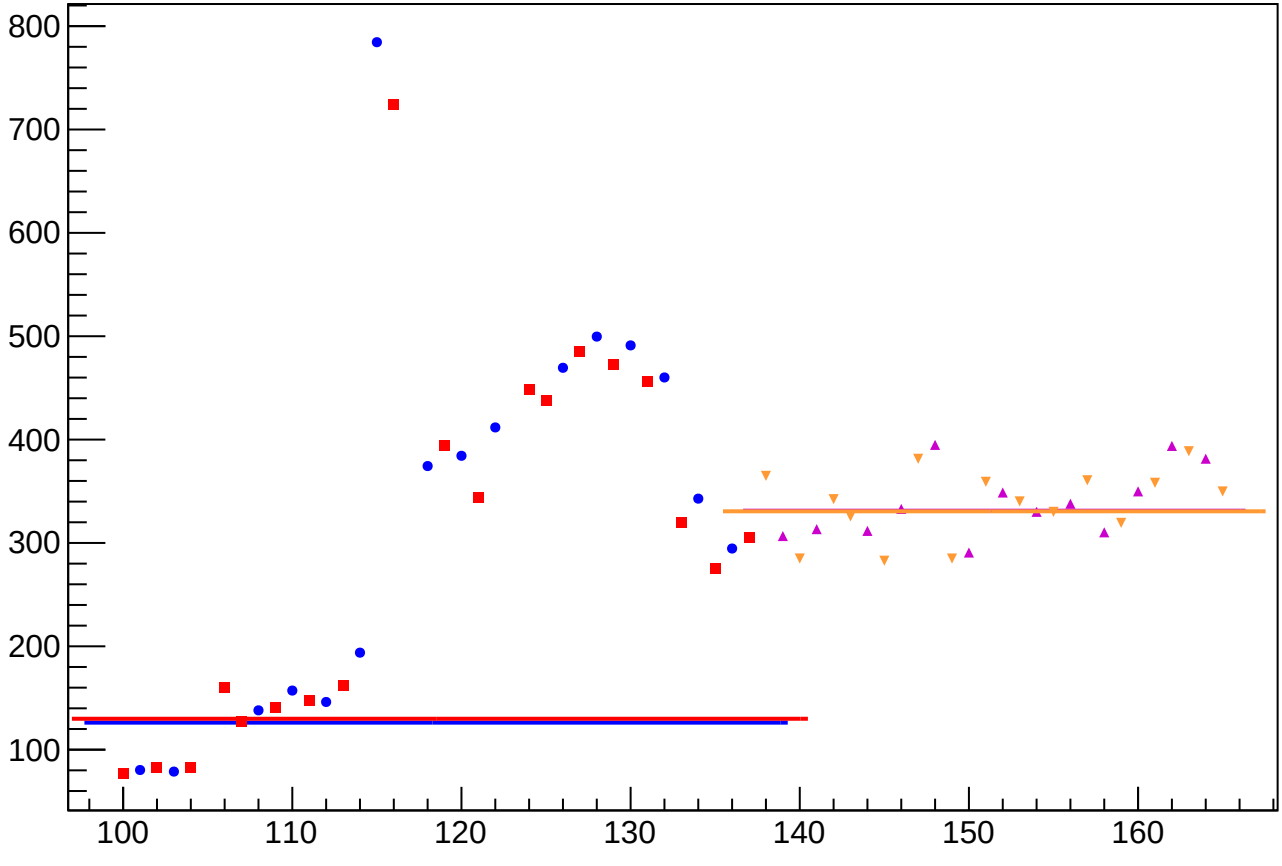
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 21.014+/-51.039 χ^2/NDF:38.5/28

Out: 163.827+/-49.761 χ^2/NDF:33.9/33

All: 94.231+/-35.629 χ^2/NDF: 76.4/62

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 330.622+/-0.069 χ^2/NDF:251629.5/14

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.197+/-0.071 χ^2/NDF:180065.3/12

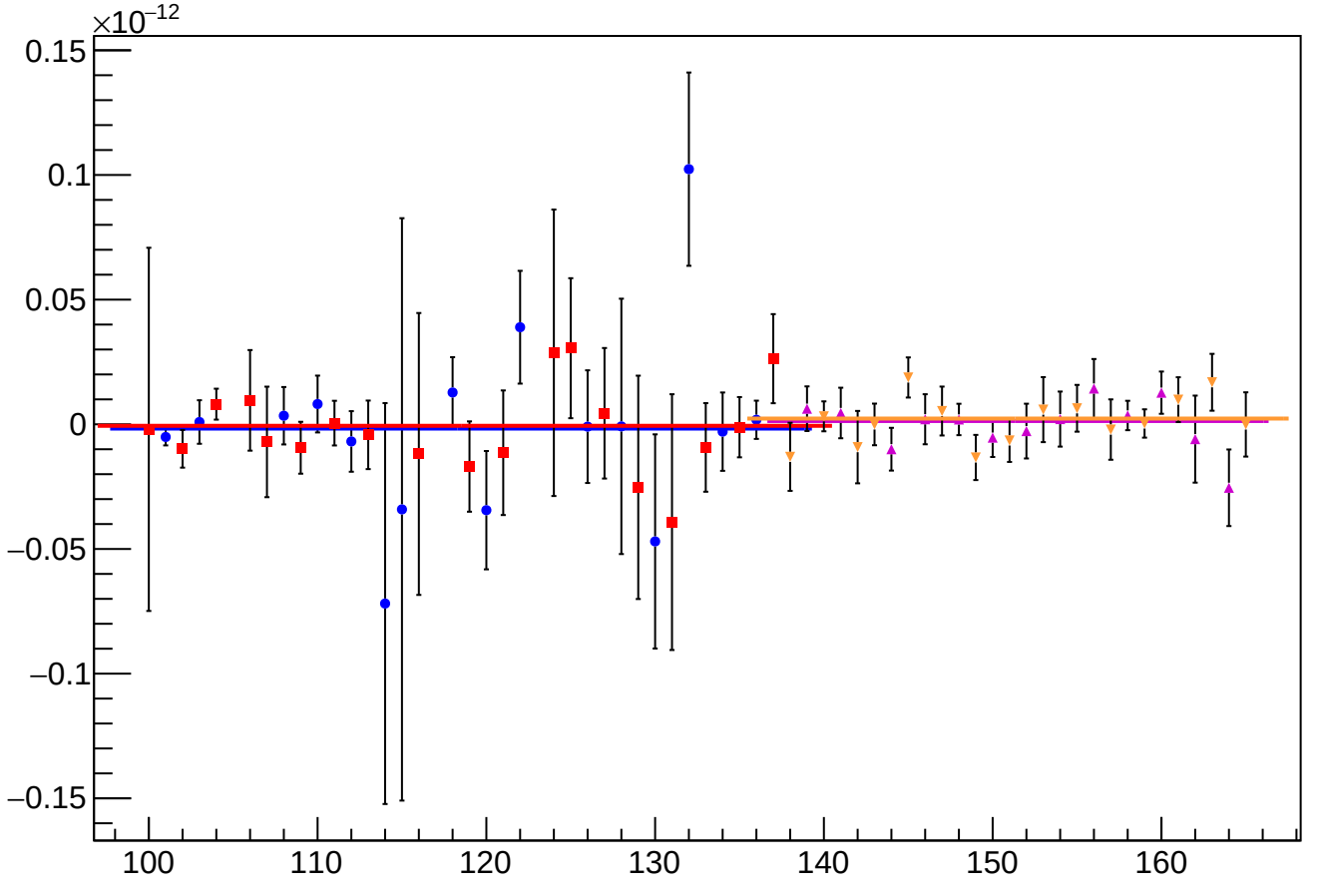
Left: 330.899+/-0.049 χ^2/NDF: 431728.5/27

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 178.631+/-0.036 χ^2/NDF:11547147.3/28

Out: 182.589+/-0.035 χ^2/NDF:11197531.0/33

All: 180.660+/-0.025 χ^2/NDF: 22750843.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/12

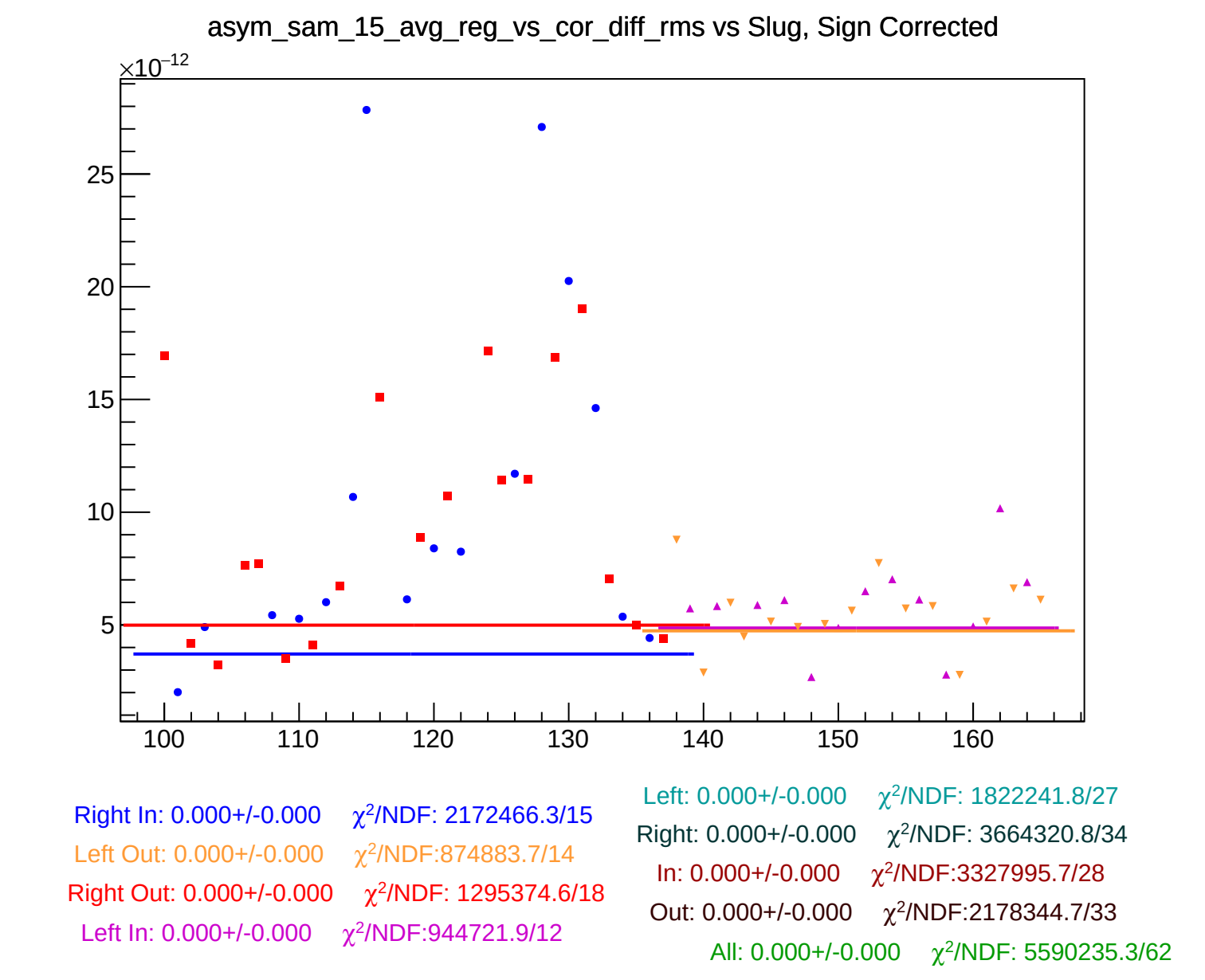
Left: 0.000+/-0.000 χ^2/NDF: 22.7/27

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

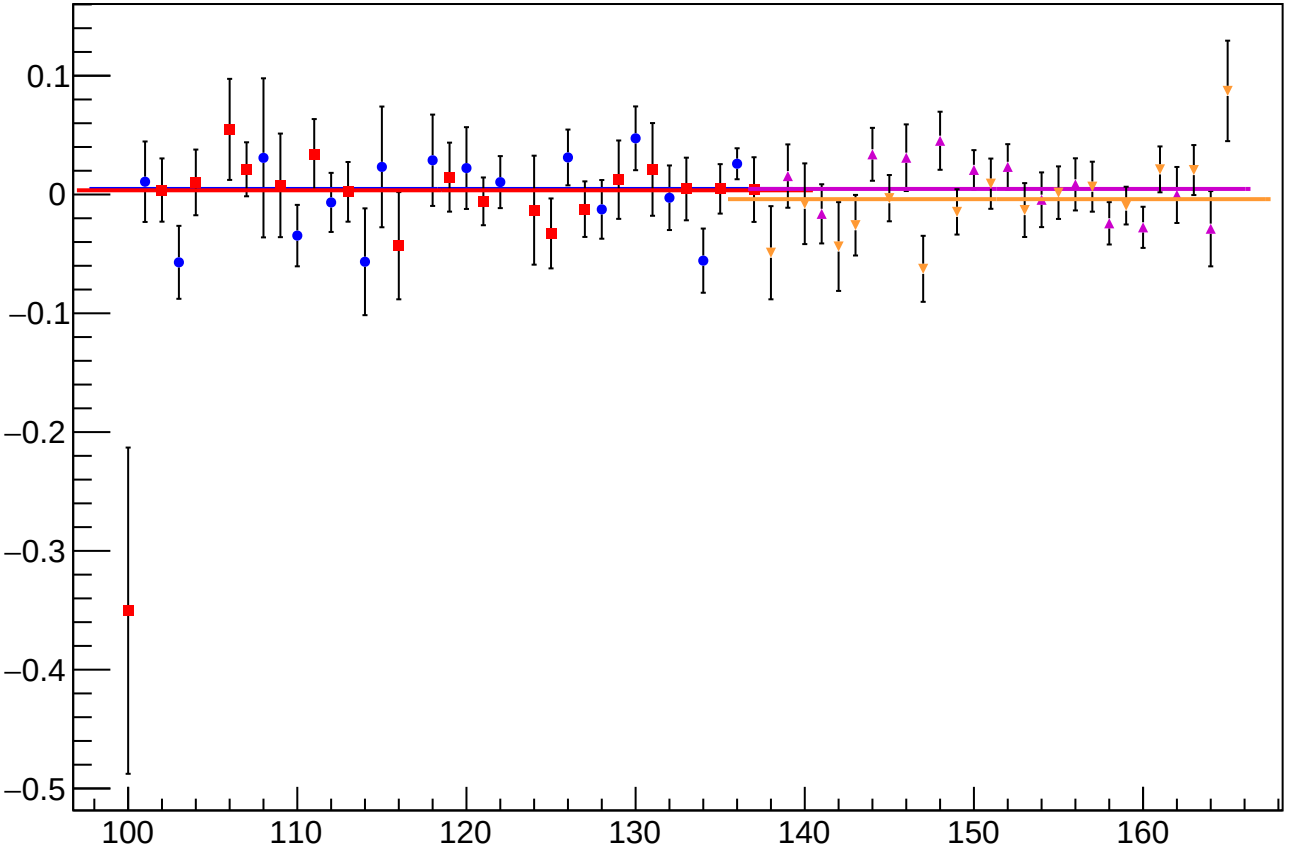
In: -0.000+/-0.000 χ^2/NDF:27.9/28

Out: 0.000+/-0.000 χ^2/NDF:24.3/33

All: 0.000+/-0.000 χ^2/NDF: 52.5/62


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:874883.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:944721.9/12
Left: 0.000+/-0.000 χ²/NDF: 1822241.8/27
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3327995.7/28
Out: 0.000+/-0.000 χ²/NDF:2178344.7/33
All: 0.000+/-0.000 χ²/NDF: 5590235.3/62

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

Left: 0.000+/-0.004 χ^2/NDF: 33.2/27

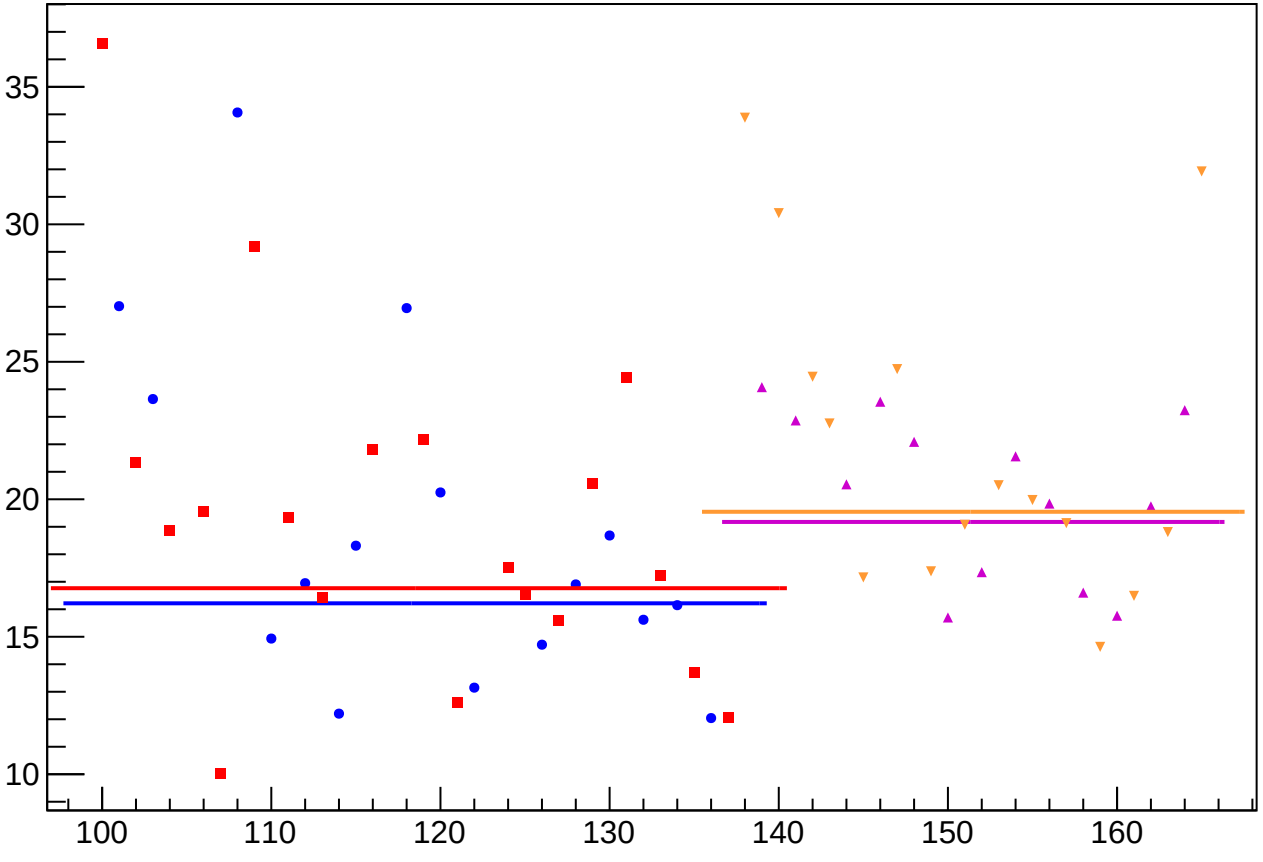
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 68.7/62

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.546+/-0.004 χ^2/NDF:1084932.4/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

Left: 19.364+/-0.003 χ^2/NDF: 1566858.7/27

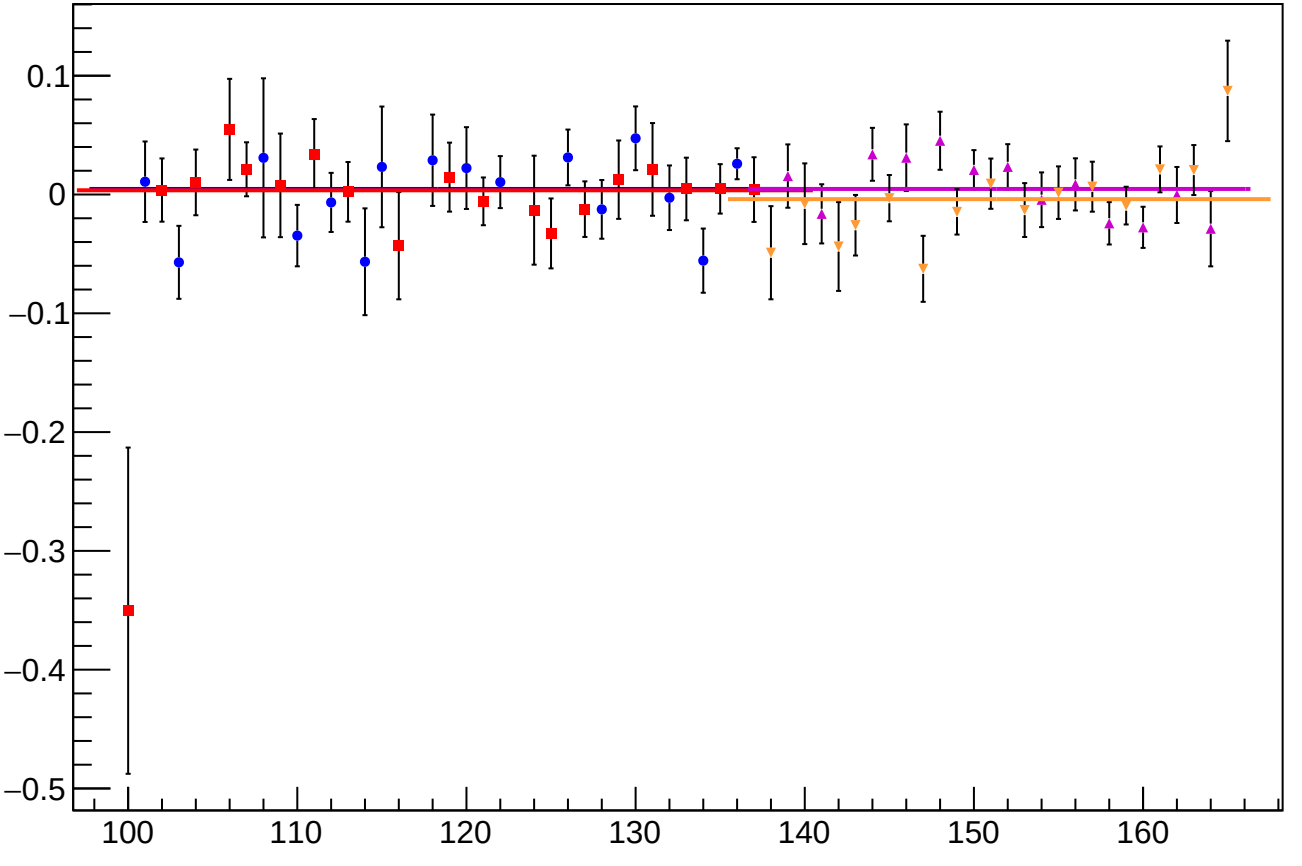
Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.823+/-0.003 χ^2/NDF:1642631.4/28

Out: 18.309+/-0.003 χ^2/NDF:2146931.0/33

All: 18.067+/-0.002 χ^2/NDF: 3801559.3/62

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

Left: 0.000+/-0.004 χ^2/NDF: 33.2/27

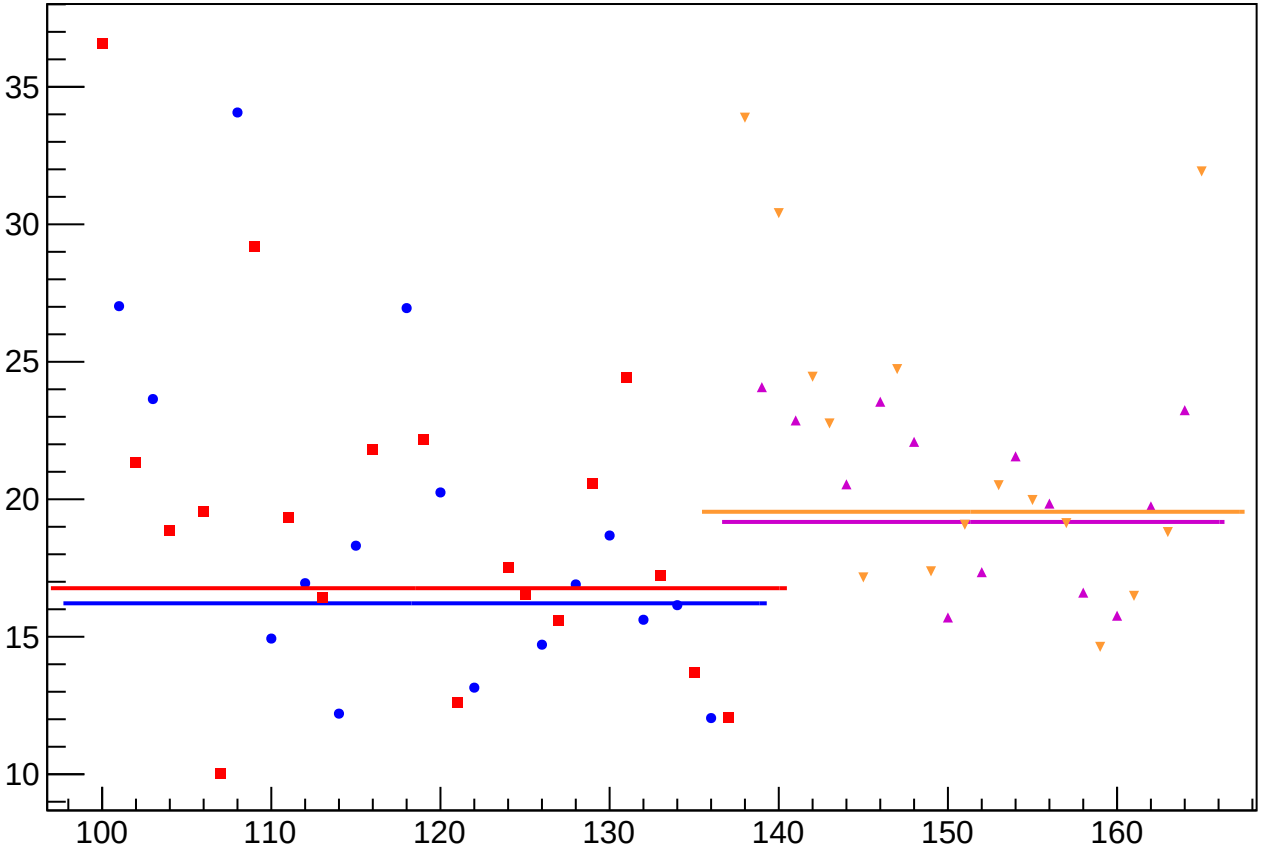
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 68.7/62

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.546+/-0.004 χ^2/NDF:1084932.4/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

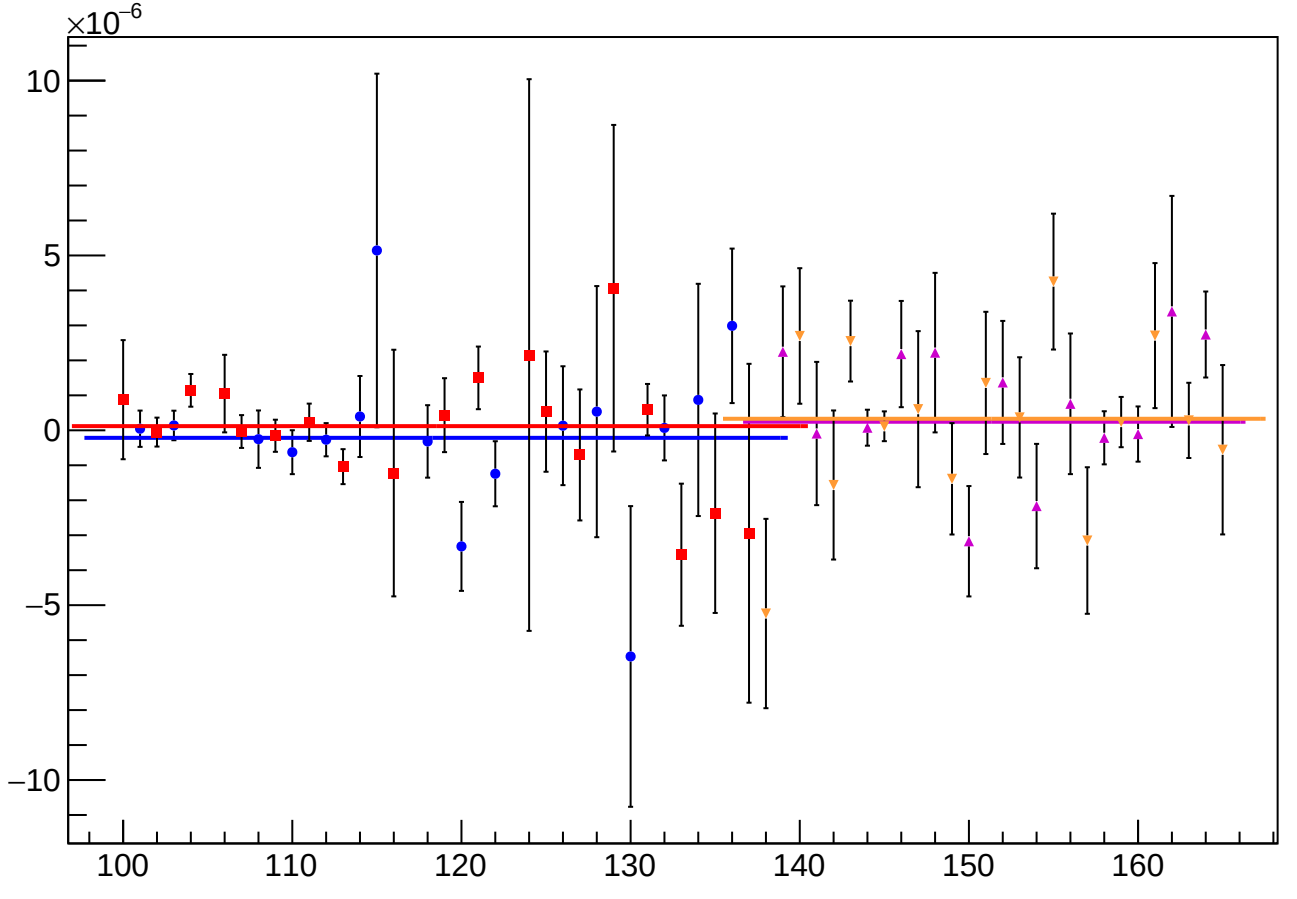
Left: 19.364+/-0.003 χ^2/NDF: 1566858.7/27

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.823+/-0.003 χ^2/NDF:1642631.4/28

Out: 18.309+/-0.003 χ^2/NDF:2146931.0/33

All: 18.067+/-0.002 χ^2/NDF: 3801559.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/12

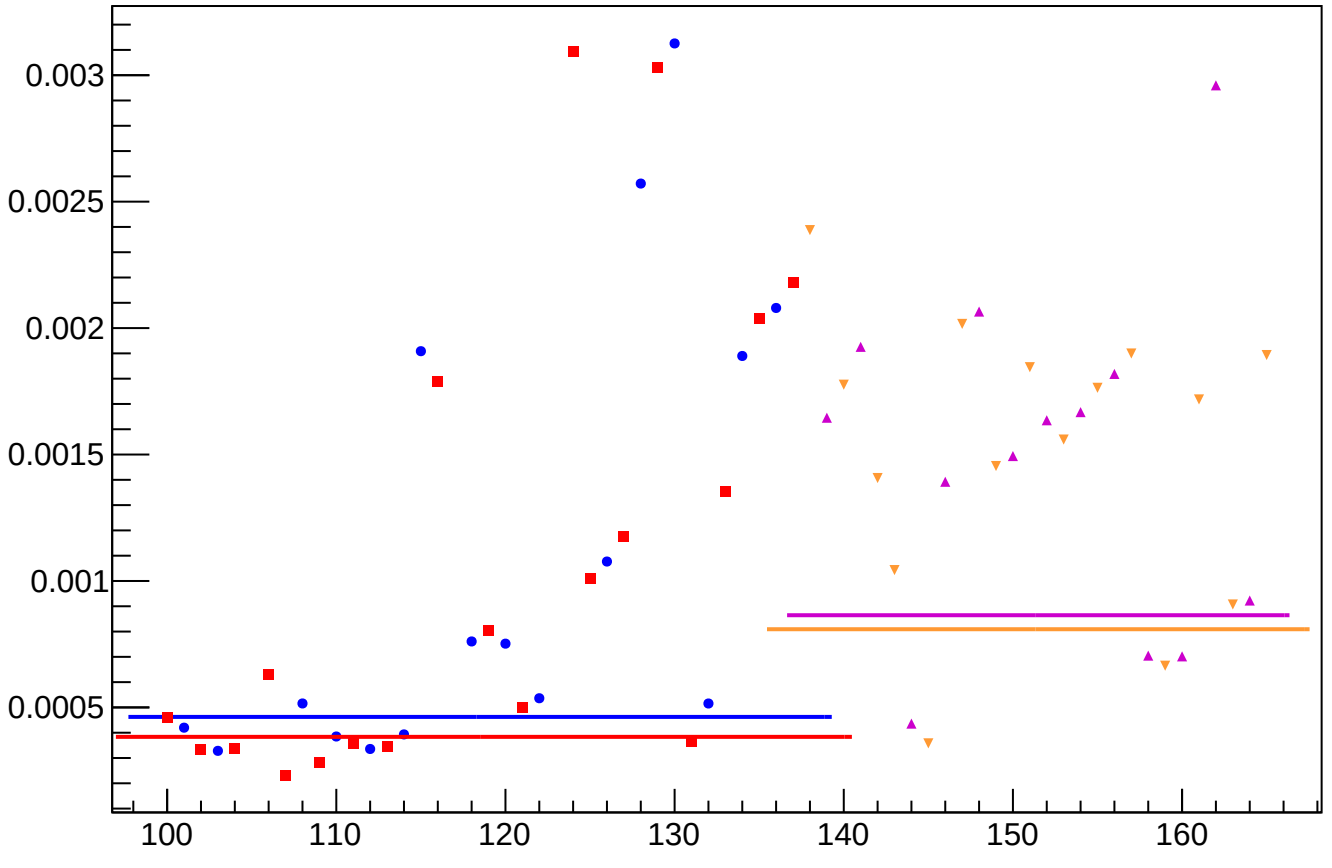
Left: 0.000+/-0.000 χ^2/NDF: 36.5/27

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:32.2/28

Out: 0.000+/-0.000 χ^2/NDF:40.8/33

All: 0.000+/-0.000 χ^2/NDF: 74.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7378527.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5613230.3/12

Left: 0.001+/-0.000 χ^2/NDF: 13025426.6/27

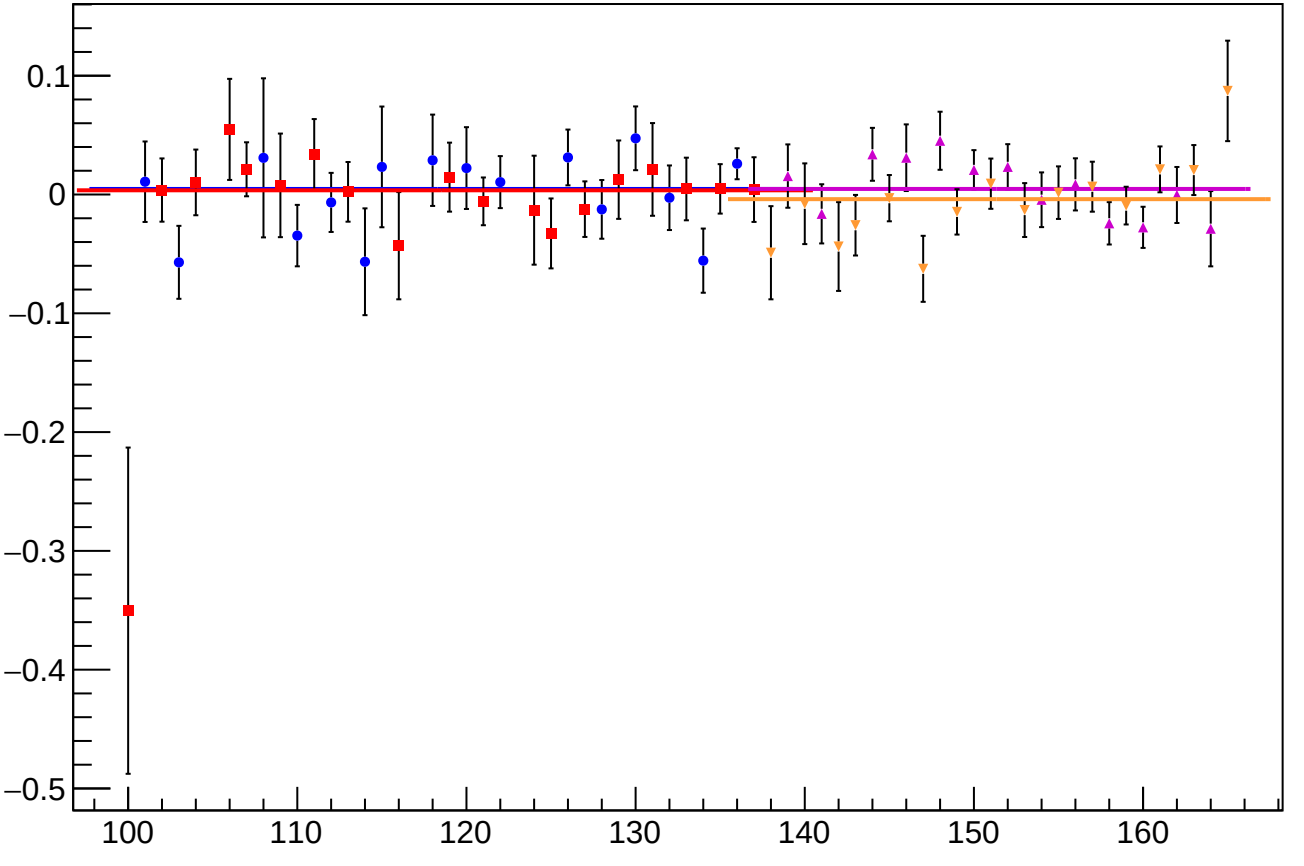
Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:11936593.6/28

Out: 0.000+/-0.000 χ^2/NDF:14587458.7/33

All: 0.001+/-0.000 χ^2/NDF: 26851540.7/62

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

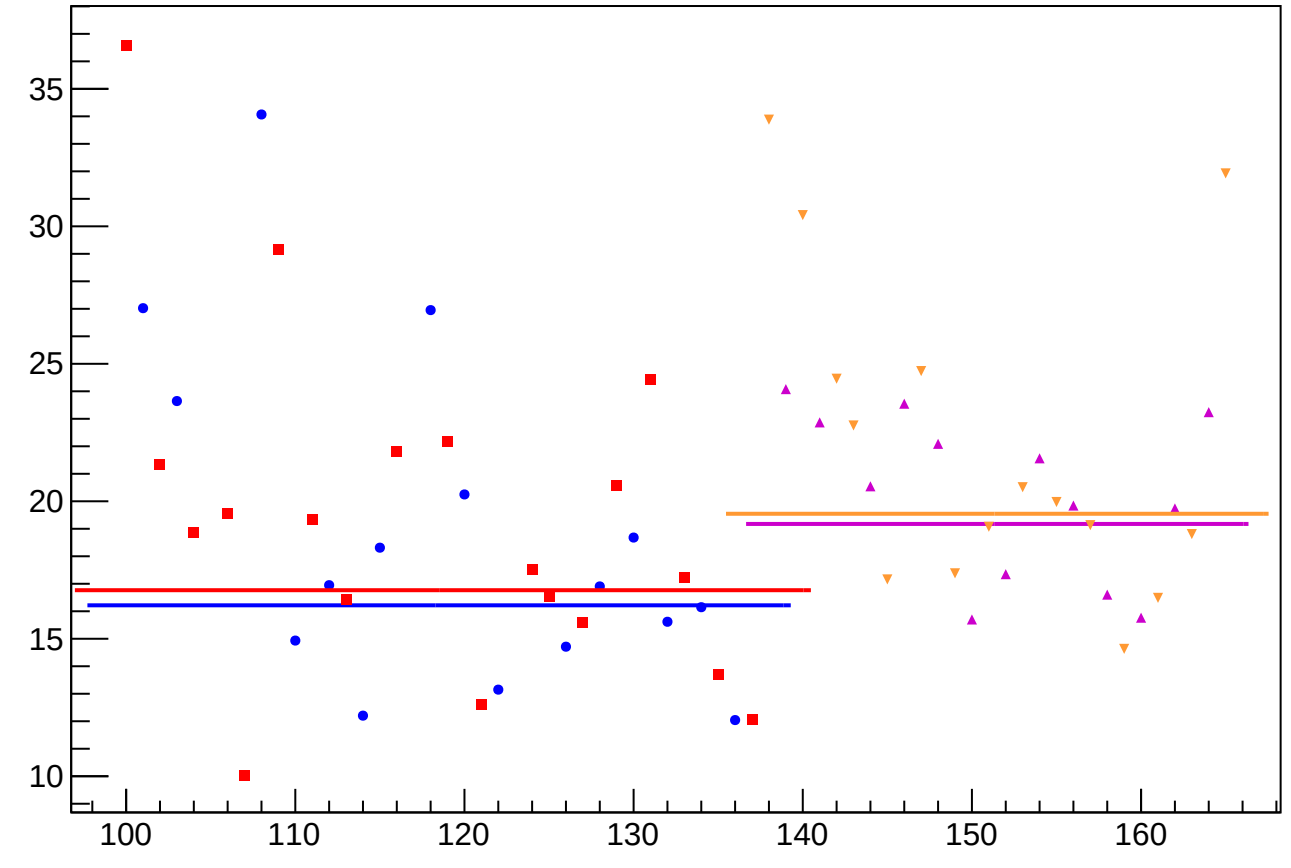
Left: 0.000+/-0.004 χ^2/NDF: 33.2/27

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 68.7/62



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.546+/-0.004 χ^2/NDF:1085057.8/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

Left: 19.364+/-0.003 χ^2/NDF: 1567084.3/27

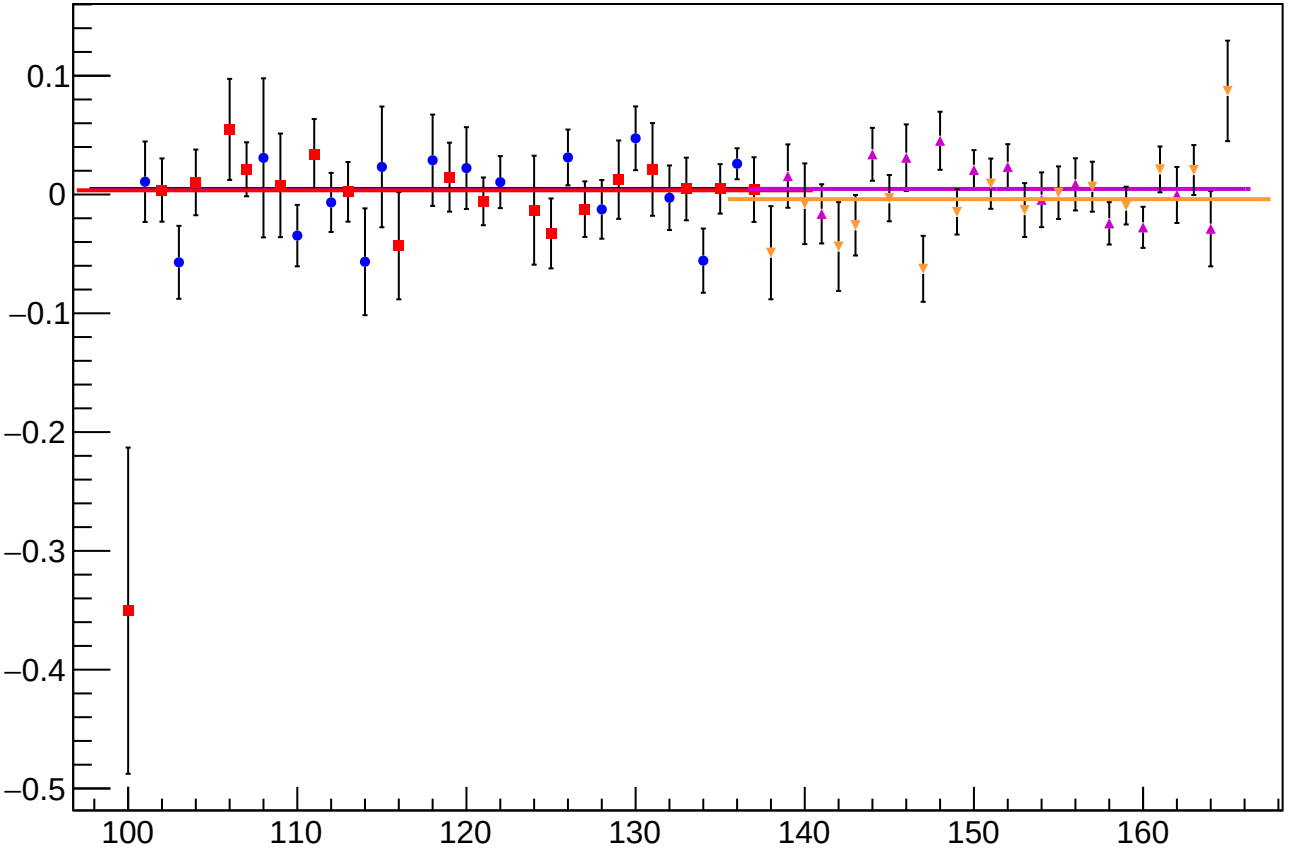
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.823+/-0.003 χ^2/NDF:1642711.9/28

Out: 18.308+/-0.003 χ^2/NDF:2147078.5/33

All: 18.067+/-0.002 χ^2/NDF: 3801788.9/62

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

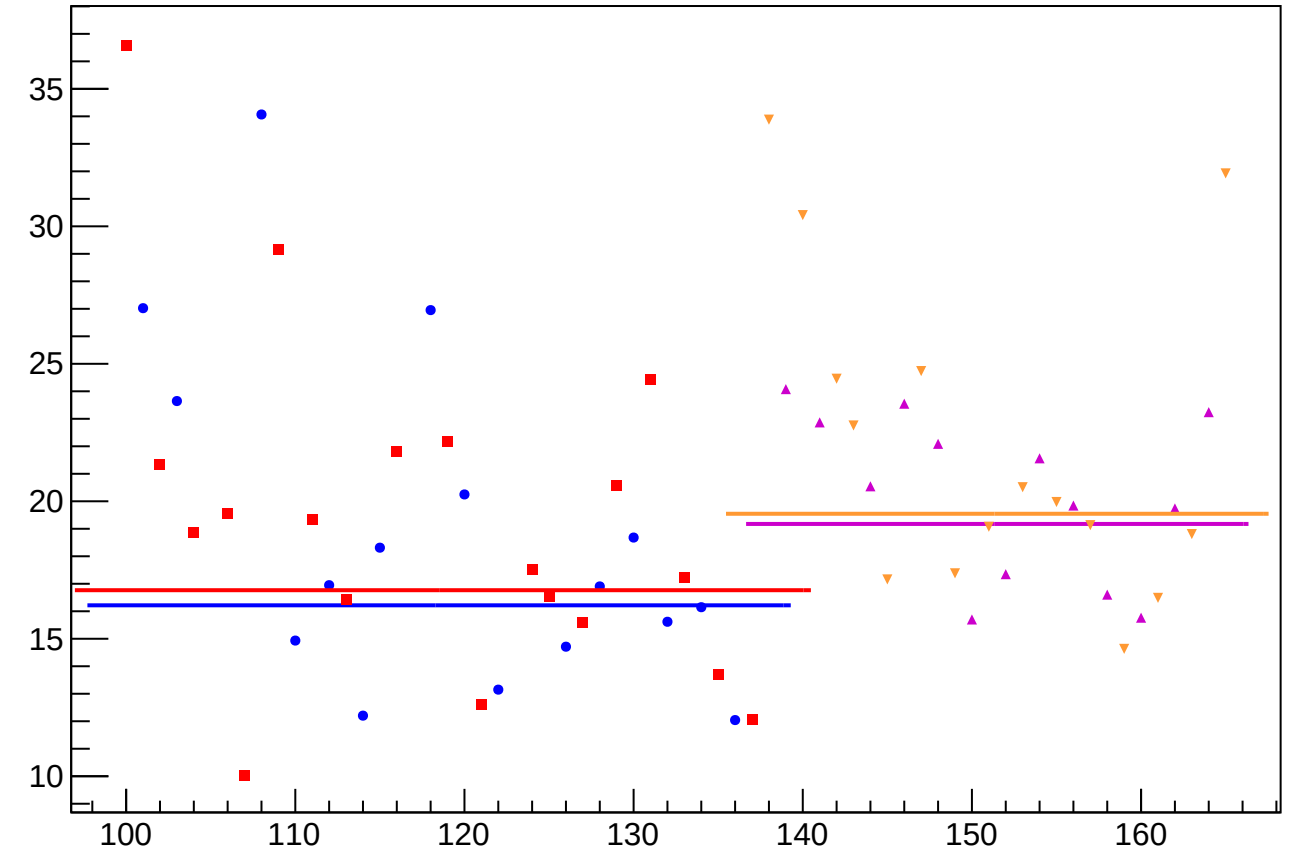
Left: 0.000+/-0.004 χ^2/NDF: 33.2/27

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 68.7/62



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.546+/-0.004 χ^2/NDF:1085057.8/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

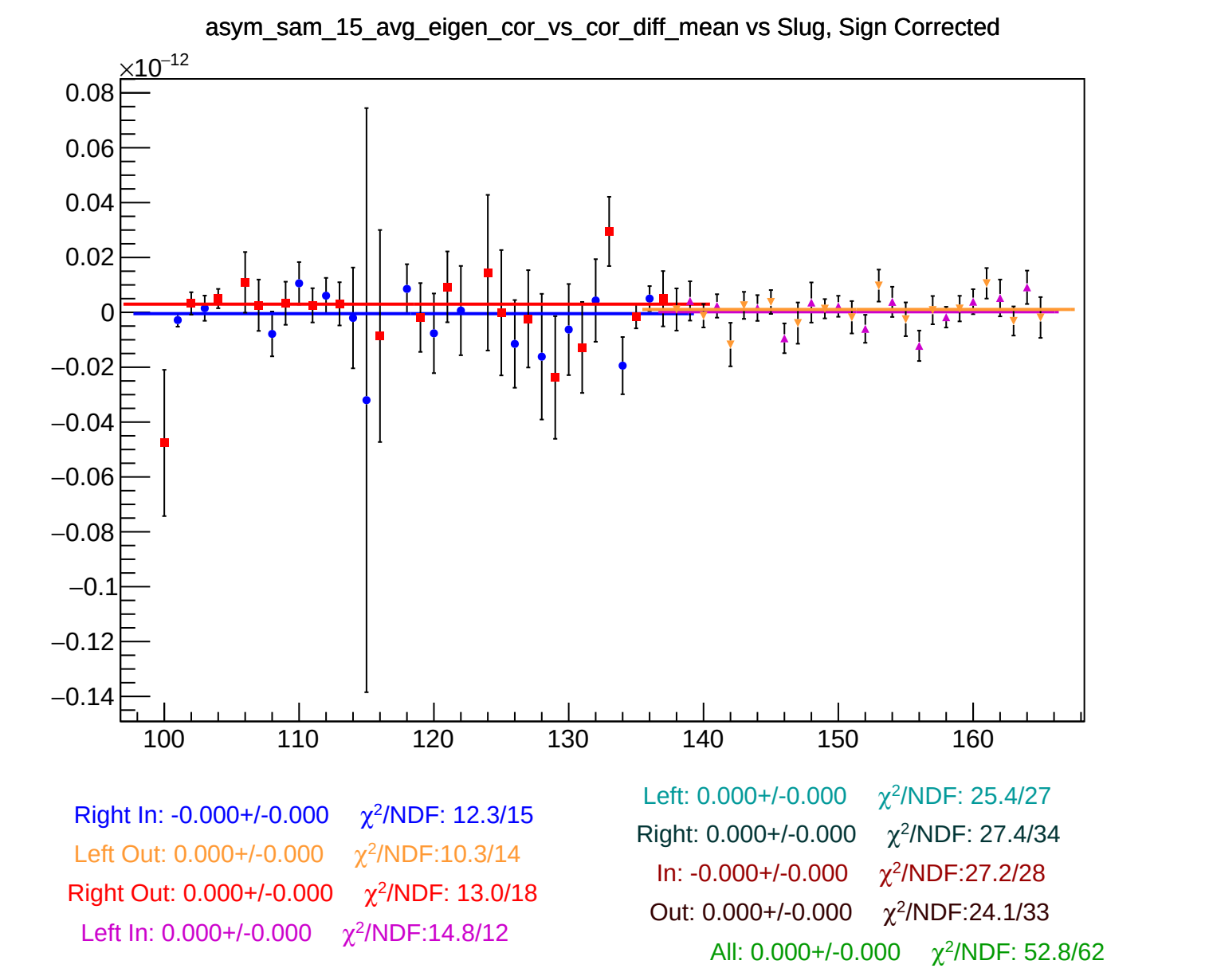
Left: 19.364+/-0.003 χ^2/NDF: 1567084.3/27

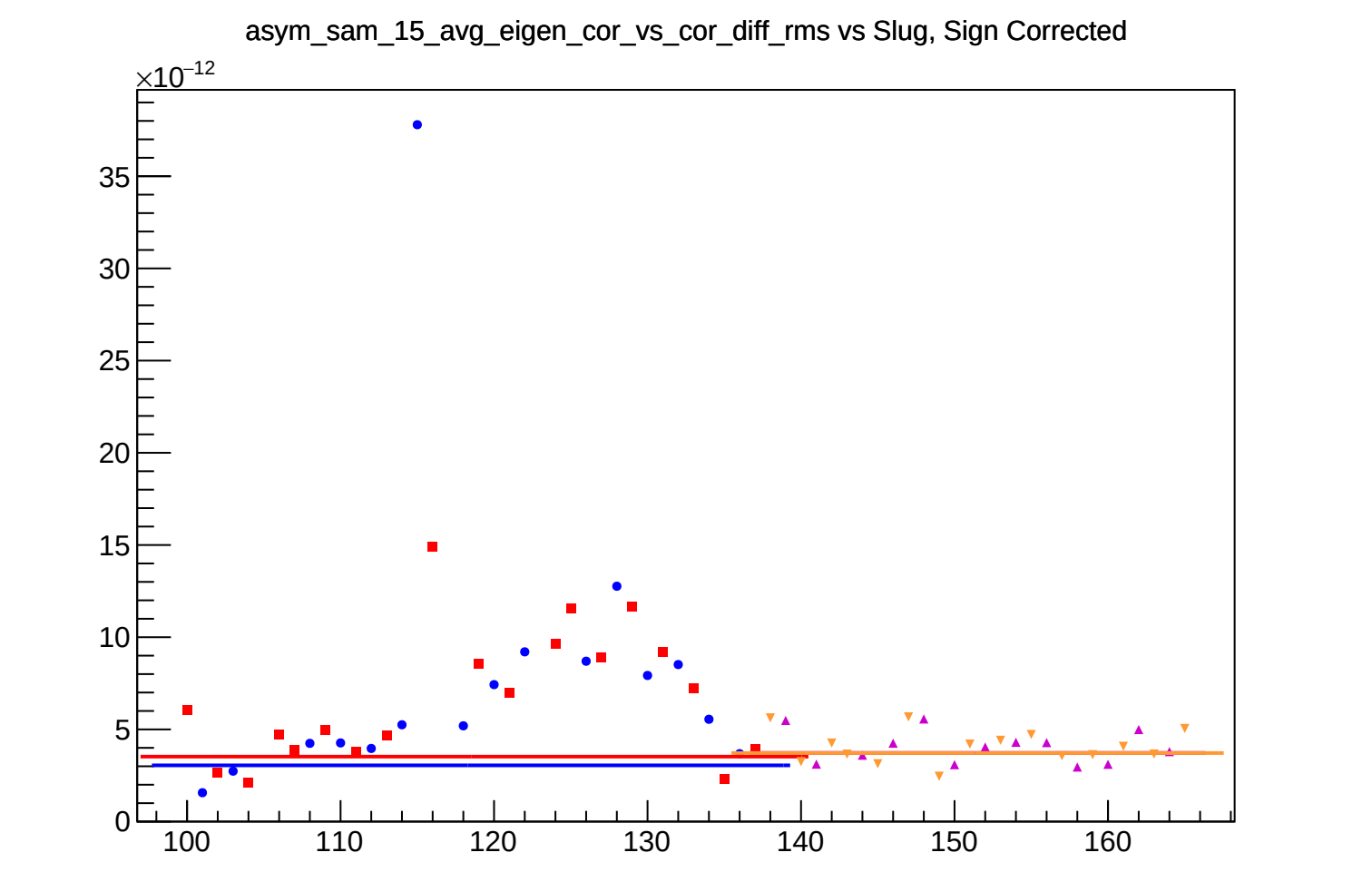
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.823+/-0.003 χ^2/NDF:1642711.9/28

Out: 18.308+/-0.003 χ^2/NDF:2147078.5/33

All: 18.067+/-0.002 χ^2/NDF: 3801788.9/62


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: 0.000+/-0.000 χ²/NDF:14.8/12
Left: 0.000+/-0.000 χ²/NDF: 25.4/27
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: -0.000+/-0.000 χ²/NDF:27.2/28
Out: 0.000+/-0.000 χ²/NDF:24.1/33
All: 0.000+/-0.000 χ²/NDF: 52.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:753886.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:604185.5/12

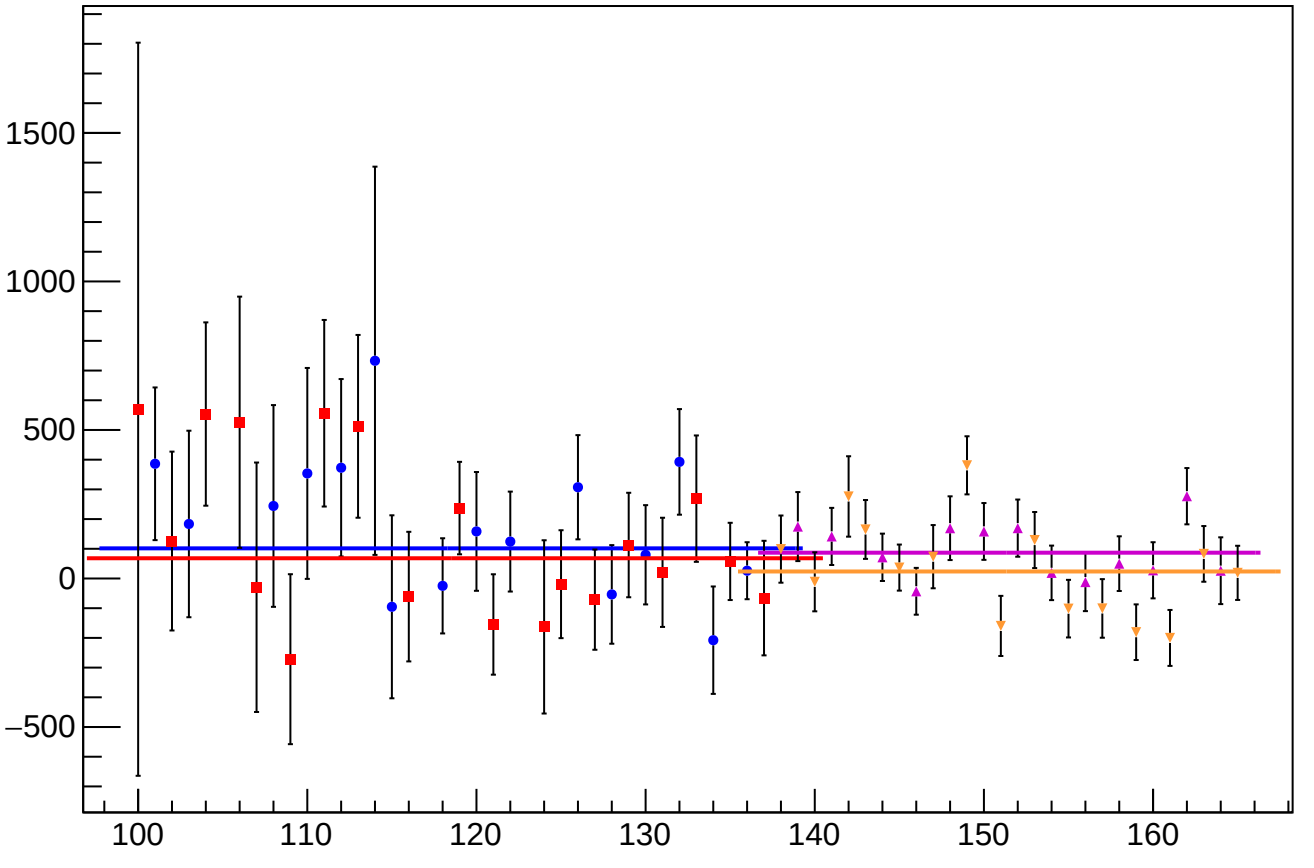
Left: 0.000+/-0.000 χ^2/NDF: 1358094.3/27

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3738328.0/28

Out: 0.000+/-0.000 χ^2/NDF:3327990.4/33

All: 0.000+/-0.000 χ^2/NDF: 7103176.7/62



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 23.629+/-25.197 χ^2/NDF:38.3/14

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 86.832+/-26.273 χ^2/NDF:12.0/12

Left: 53.910+/-18.185 χ^2/NDF: 53.3/27

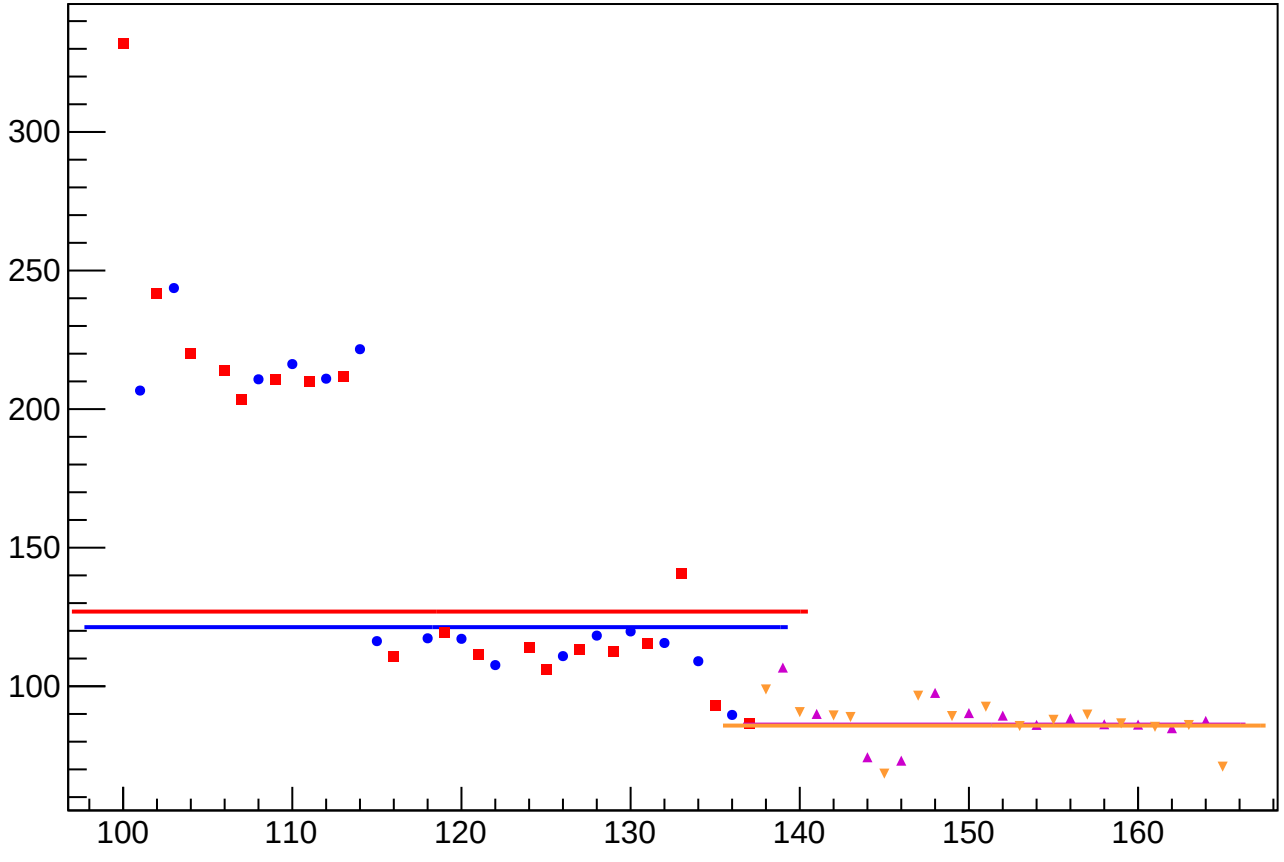
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 90.245+/-23.005 χ^2/NDF:25.4/28

Out: 32.833+/-22.439 χ^2/NDF:55.1/33

All: 60.824+/-16.063 χ^2/NDF: 83.7/62

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

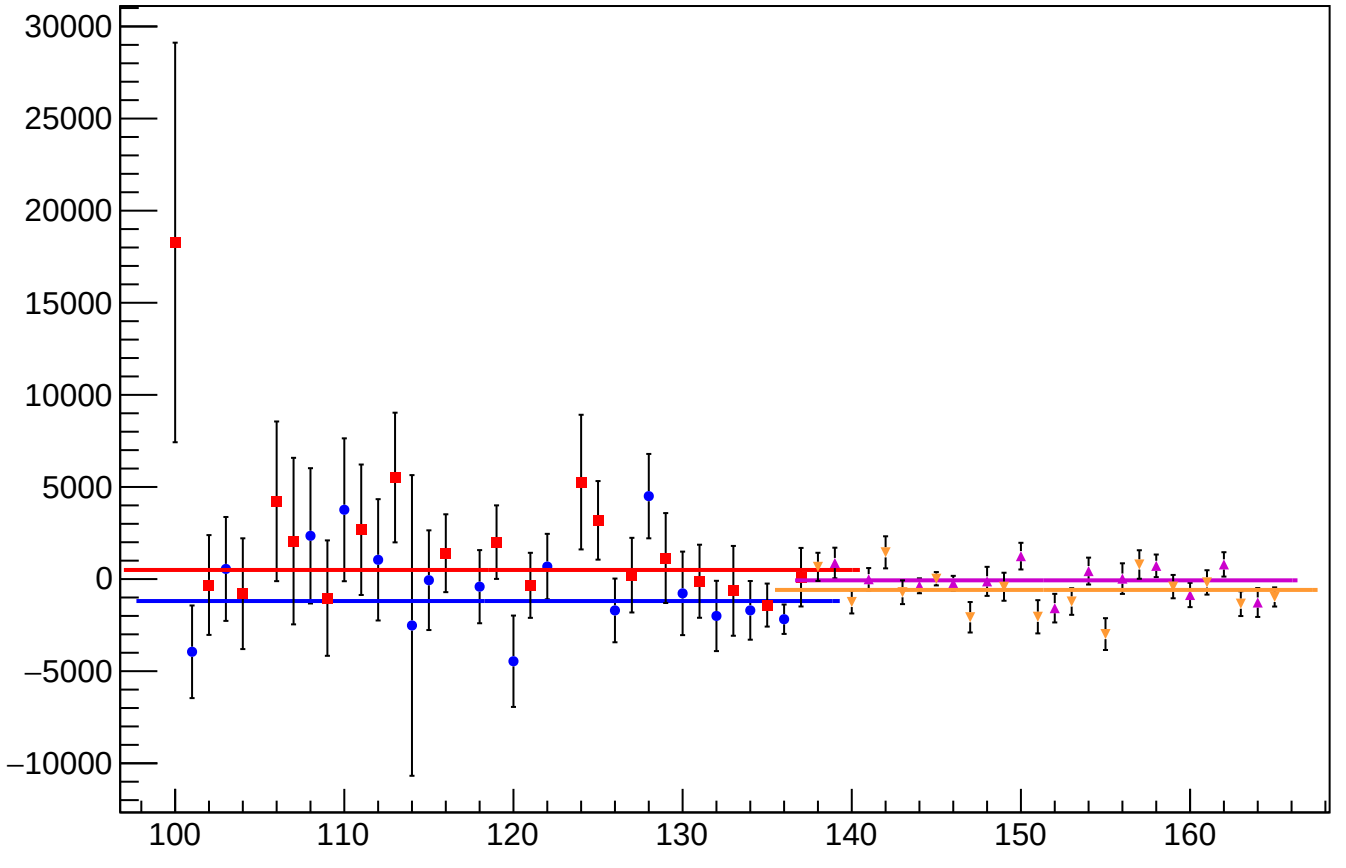
Left: 85.979+/-0.013 χ^2/NDF: 418934.2/27

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 94.364+/-0.016 χ^2/NDF:2317160.7/28

Out: 94.324+/-0.016 χ^2/NDF:2798512.0/33

All: 94.344+/-0.011 χ^2/NDF: 5115675.8/62



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -588.825+/-167.444 χ^2/NDF:31.9/14

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -68.136+/-172.296 χ^2/NDF:16.7/12

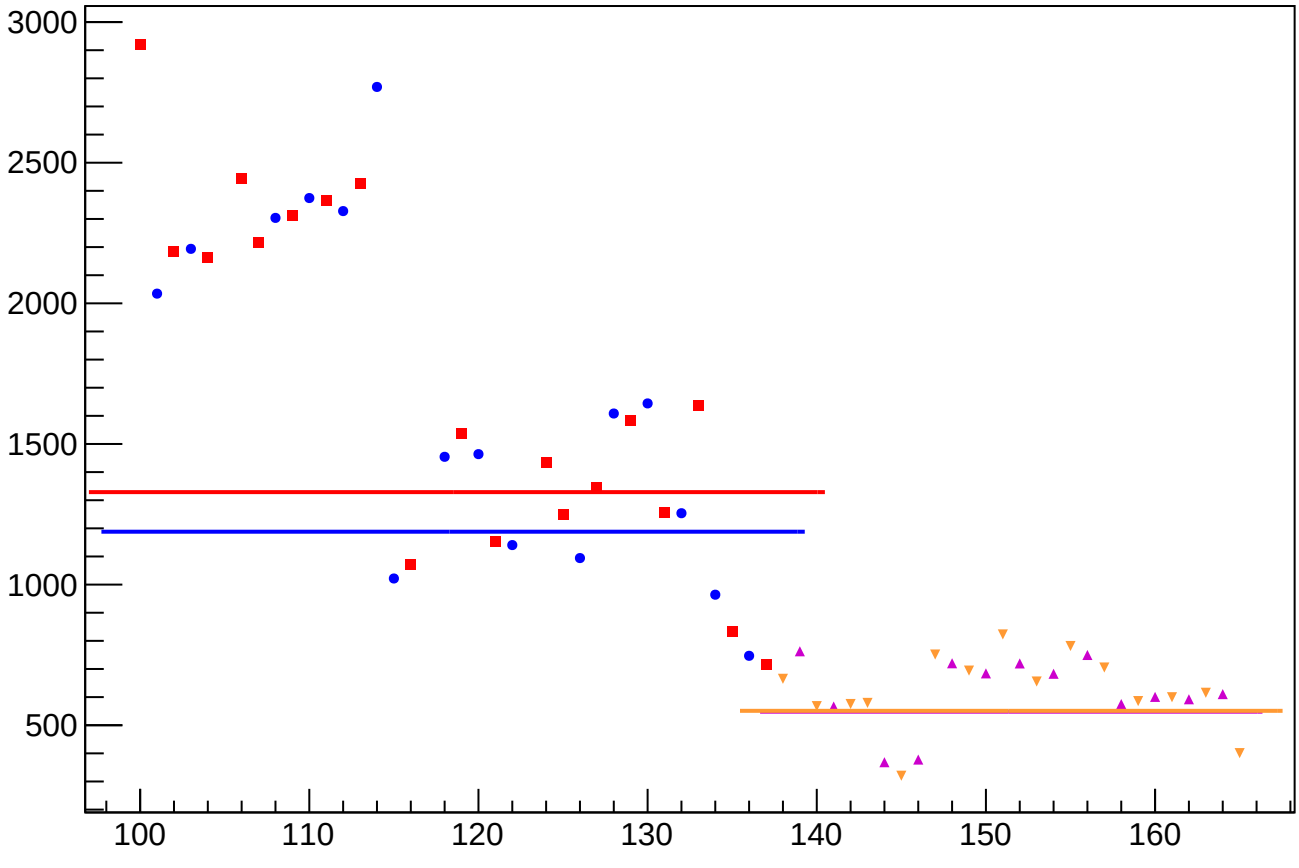
Left: -335.915+/-120.080 χ^2/NDF: 53.3/27

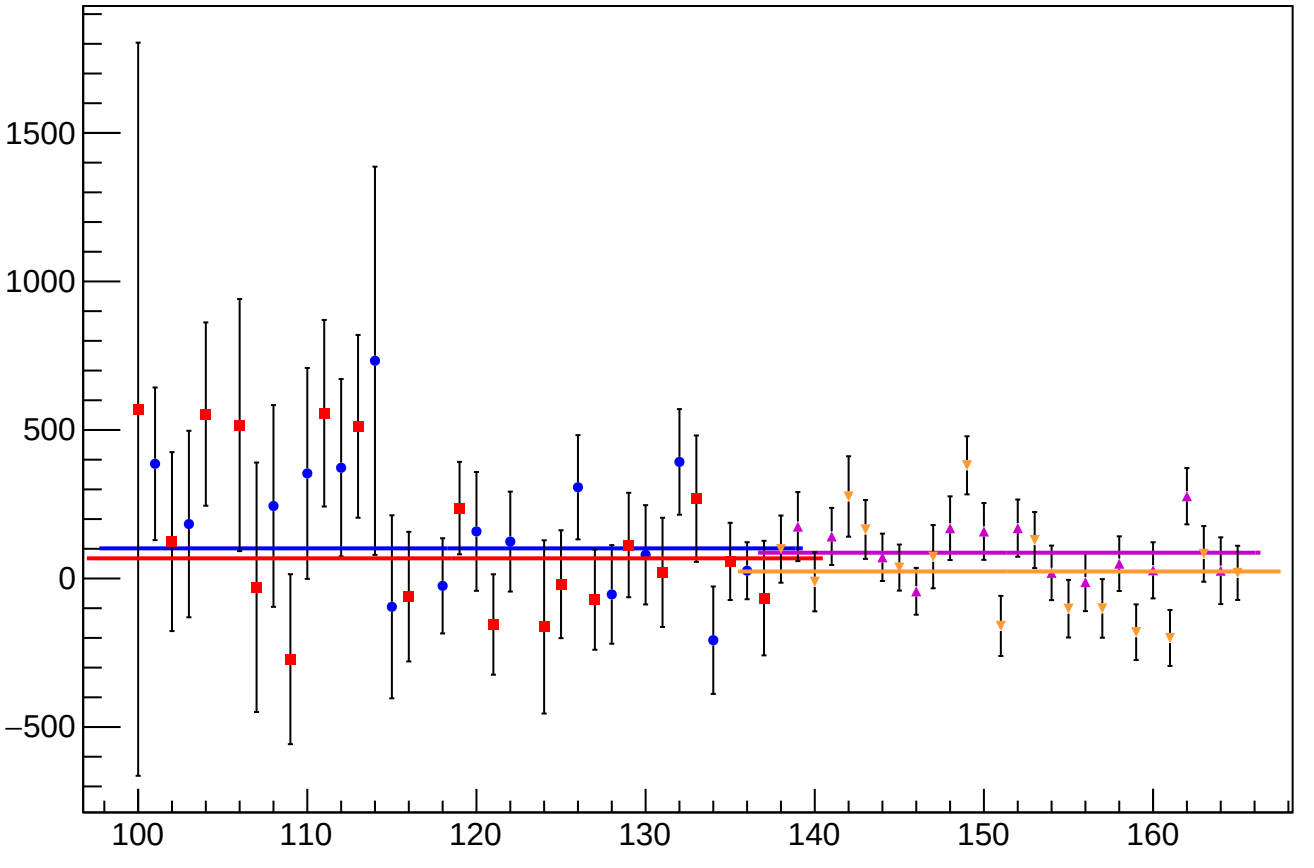
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -196.950+/-162.123 χ^2/NDF:37.5/28

Out: -487.657+/-159.435 χ^2/NDF:49.7/33

All: -344.733+/-113.676 χ^2/NDF: 88.8/62


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 551.232+/-0.118 χ²/NDF:1697324.0/14
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 548.177+/-0.122 χ²/NDF:1367961.2/12
Left: 549.748+/-0.085 χ²/NDF: 3065608.5/27
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 621.509+/-0.115 χ²/NDF:6573996.8/28
Out: 623.839+/-0.113 χ²/NDF:7682425.5/33
All: 622.693+/-0.080 χ²/NDF: 14256632.4/62



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 23.631+/-25.197 χ^2/NDF:38.3/14

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 86.832+/-26.273 χ^2/NDF:12.0/12

Left: 53.911+/-18.185 χ^2/NDF: 53.3/27

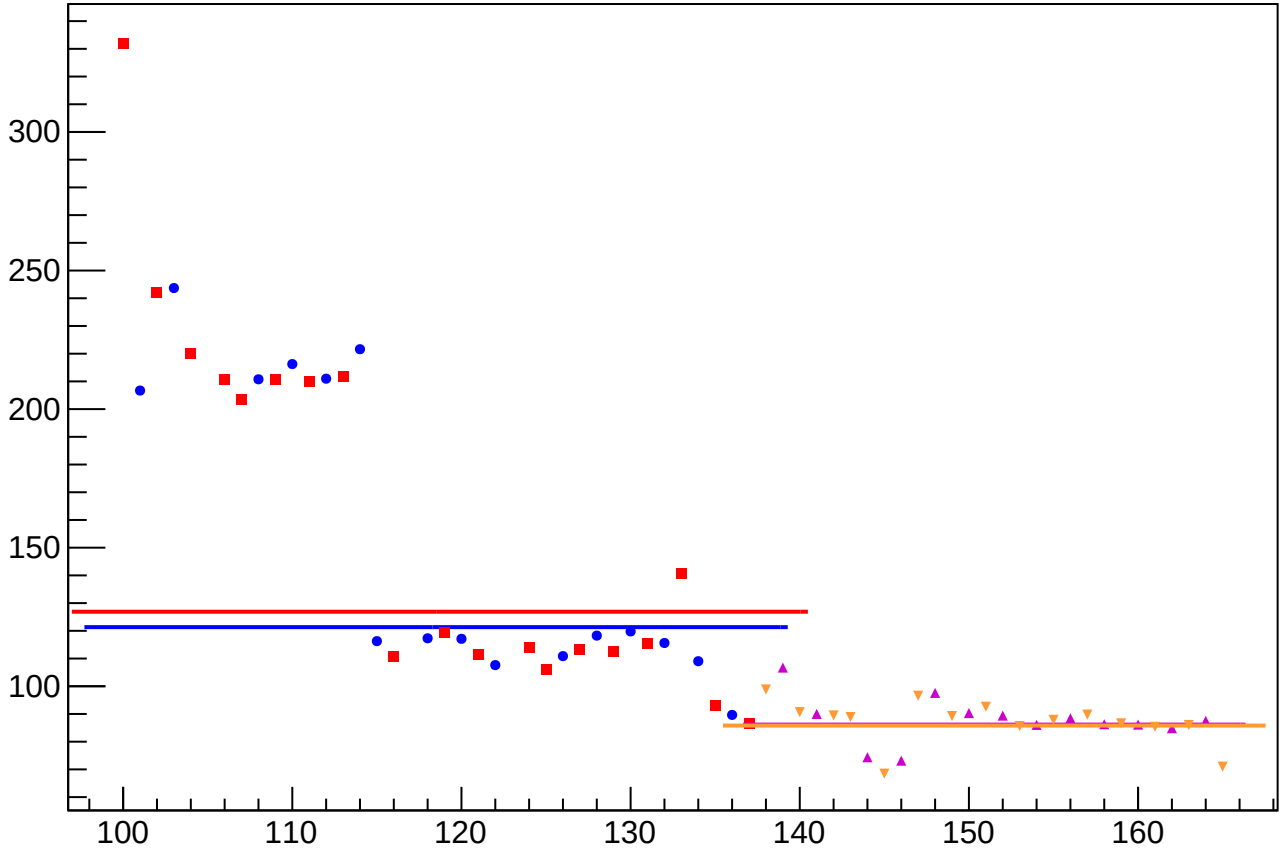
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 90.241+/-23.005 χ^2/NDF:25.4/28

Out: 32.787+/-22.439 χ^2/NDF:55.0/33

All: 60.798+/-16.063 χ^2/NDF: 83.6/62

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

Left: 85.979+/-0.013 χ^2/NDF: 418934.2/27

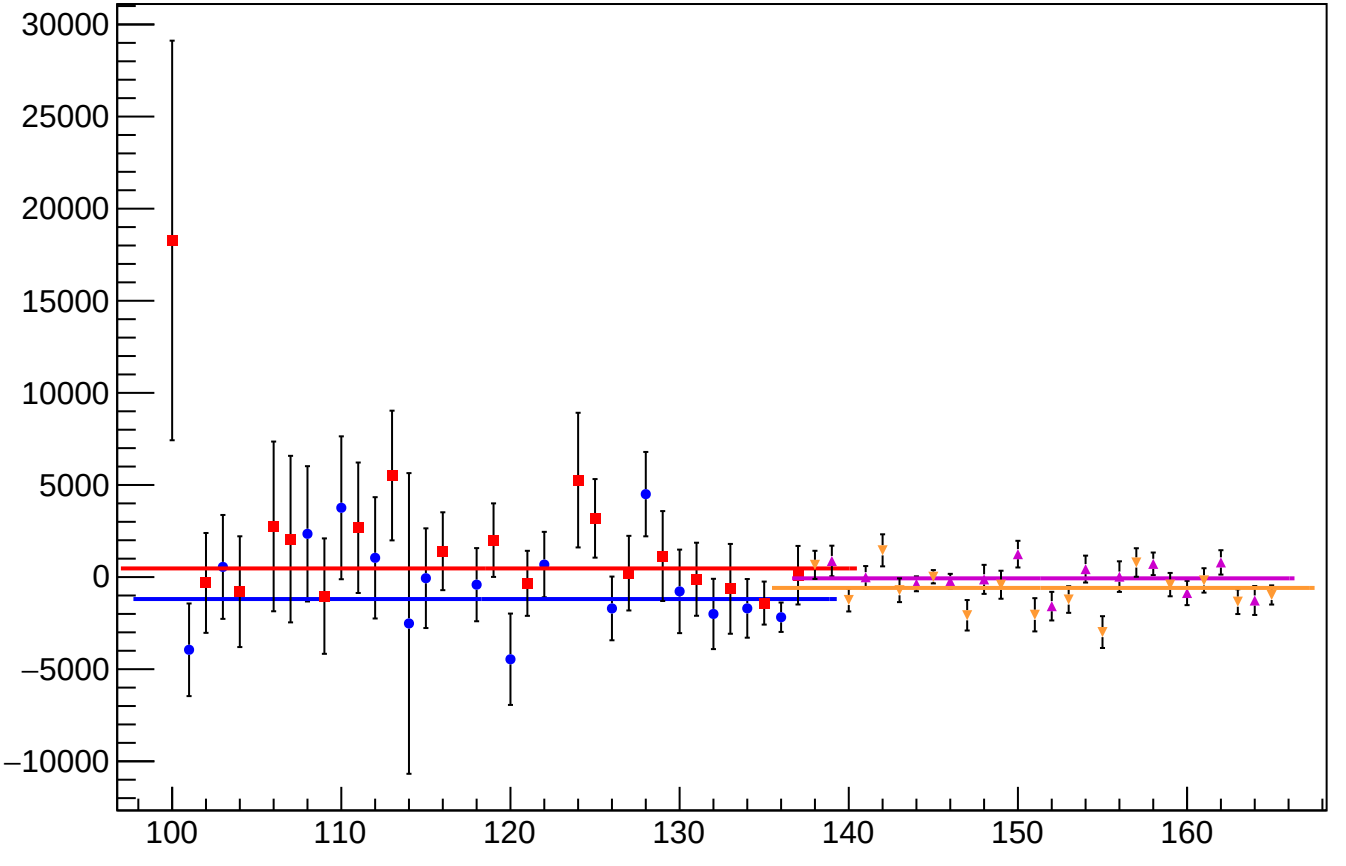
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 94.364+/-0.016 χ^2/NDF:2317163.0/28

Out: 94.313+/-0.016 χ^2/NDF:2789609.1/33

All: 94.338+/-0.011 χ^2/NDF: 5106777.1/62

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -588.819+/-167.444 χ^2/NDF:31.9/14

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -68.132+/-172.296 χ^2/NDF:16.7/12

Left: -335.910+/-120.080 χ^2/NDF: 53.3/27

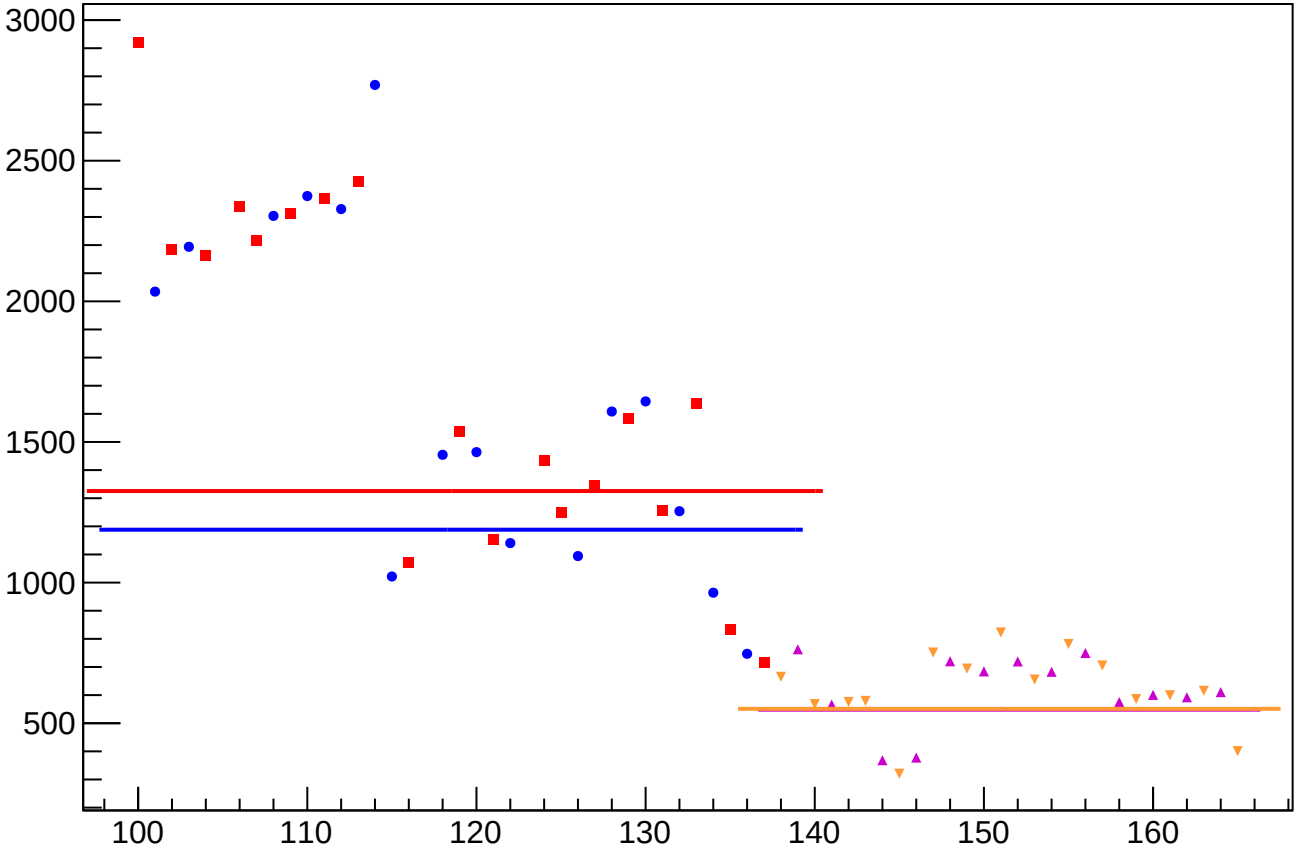
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -196.944+/-162.123 χ^2/NDF:37.5/28

Out: -490.130+/-159.448 χ^2/NDF:49.0/33

All: -345.976+/-113.681 χ^2/NDF: 88.2/62

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 551.231+/-0.118 χ^2/NDF:1697333.6/14

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

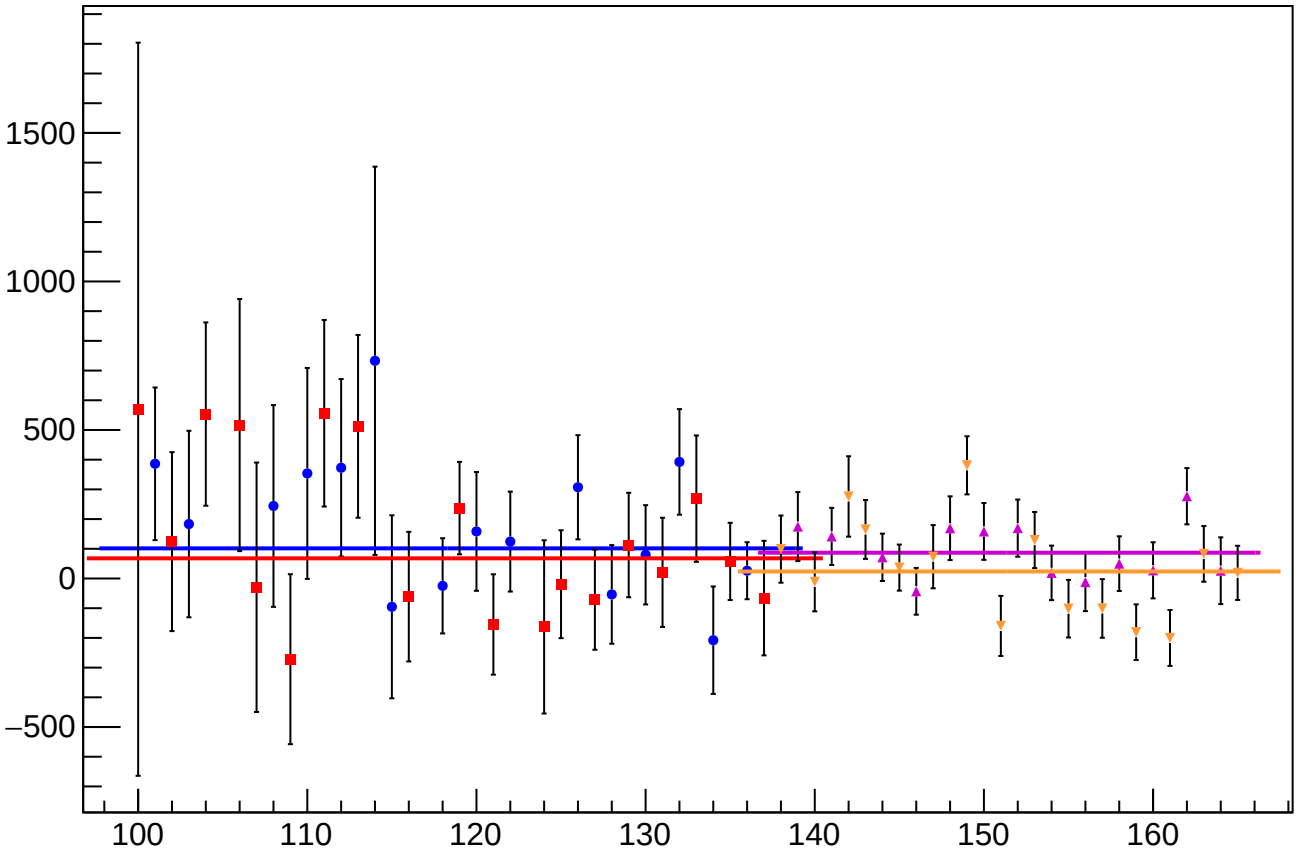
Left: 549.748+/-0.085 χ^2/NDF: 3065620.4/27

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 621.509+/-0.115 χ^2/NDF:6574019.5/28

Out: 623.422+/-0.113 χ^2/NDF:7605846.0/33

All: 622.481+/-0.080 χ^2/NDF: 14180007.2/62



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 23.631+/-25.197 χ^2/NDF:38.3/14

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 86.832+/-26.273 χ^2/NDF:12.0/12

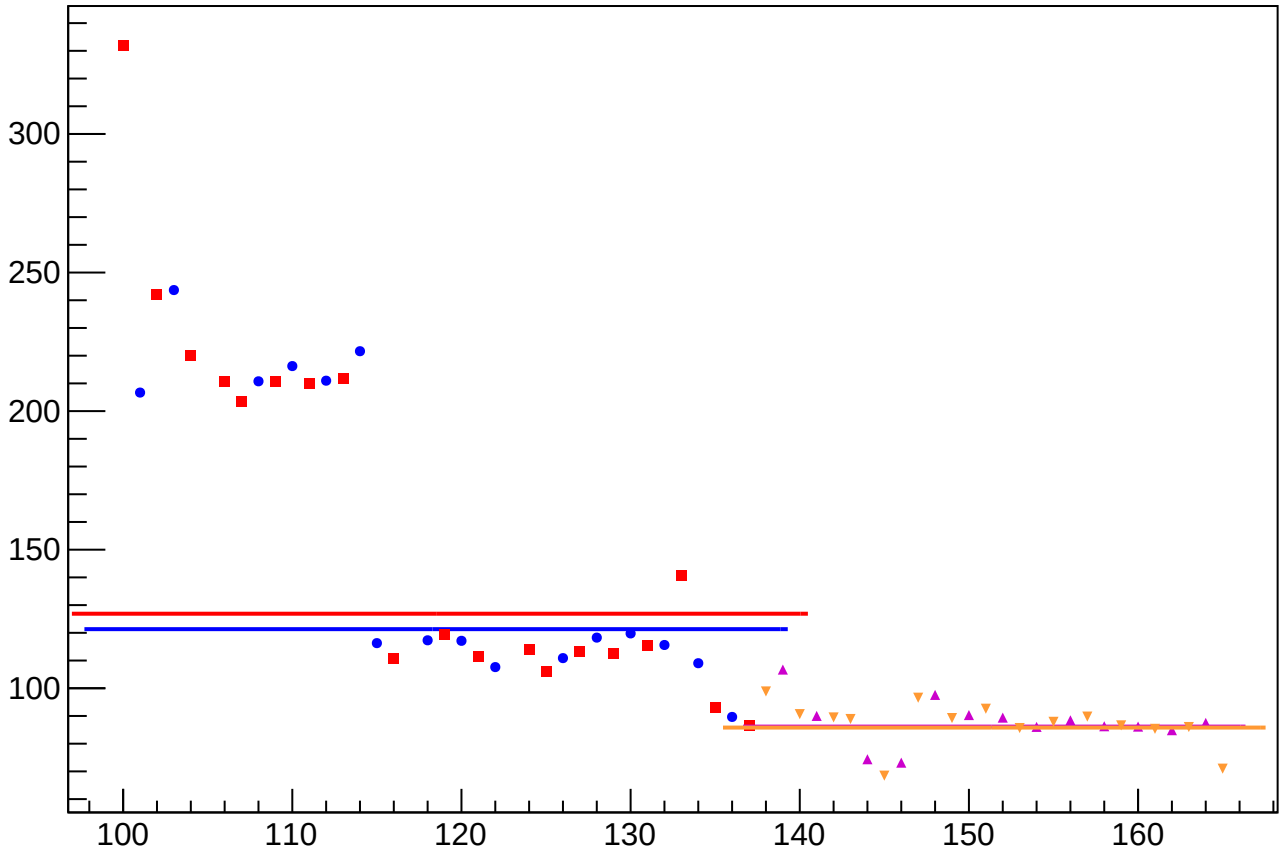
Left: 53.911+/-18.185 χ^2/NDF: 53.3/27

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 90.241+/-23.005 χ^2/NDF:25.4/28

Out: 32.787+/-22.439 χ^2/NDF:55.0/33

All: 60.798+/-16.063 χ^2/NDF: 83.6/62



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

Left: 85.979+/-0.013 χ^2/NDF: 418934.2/27

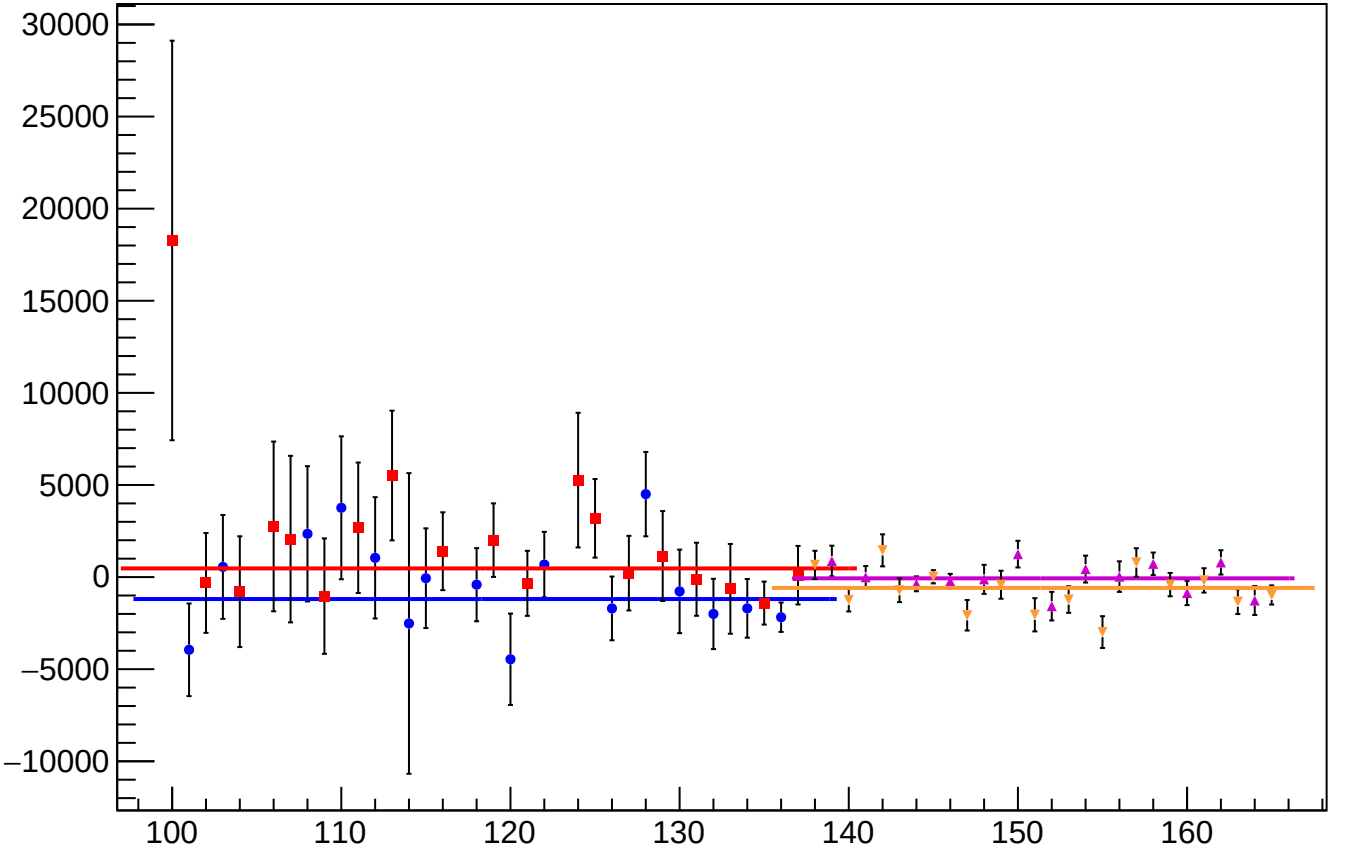
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 94.364+/-0.016 χ^2/NDF:2317163.0/28

Out: 94.313+/-0.016 χ^2/NDF:2789609.1/33

All: 94.338+/-0.011 χ^2/NDF: 5106777.1/62

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -588.819+/-167.444 χ^2/NDF:31.9/14

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -68.132+/-172.296 χ^2/NDF:16.7/12

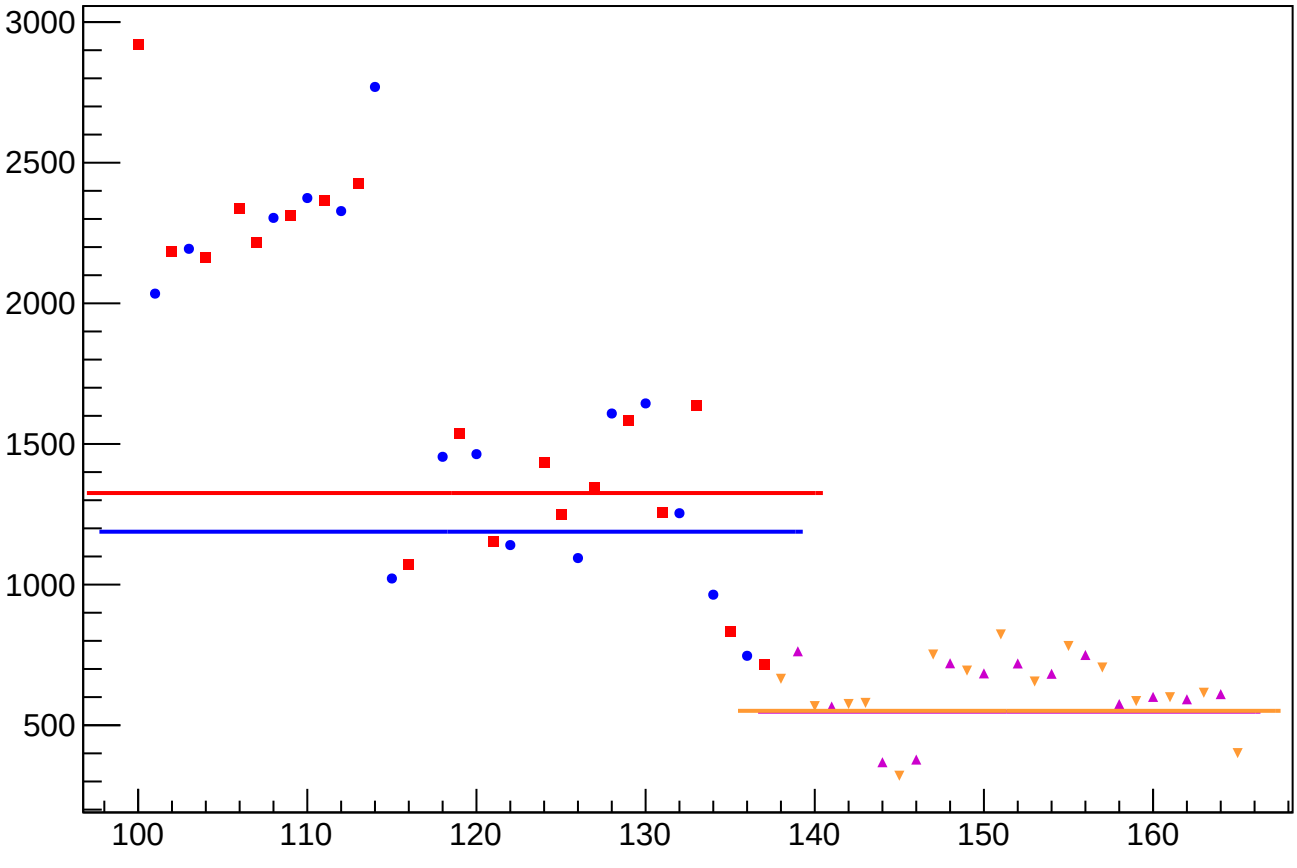
Left: -335.910+/-120.080 χ^2/NDF: 53.3/27

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -196.944+/-162.123 χ^2/NDF:37.5/28

Out: -490.130+/-159.448 χ^2/NDF:49.0/33

All: -345.976+/-113.681 χ^2/NDF: 88.2/62


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
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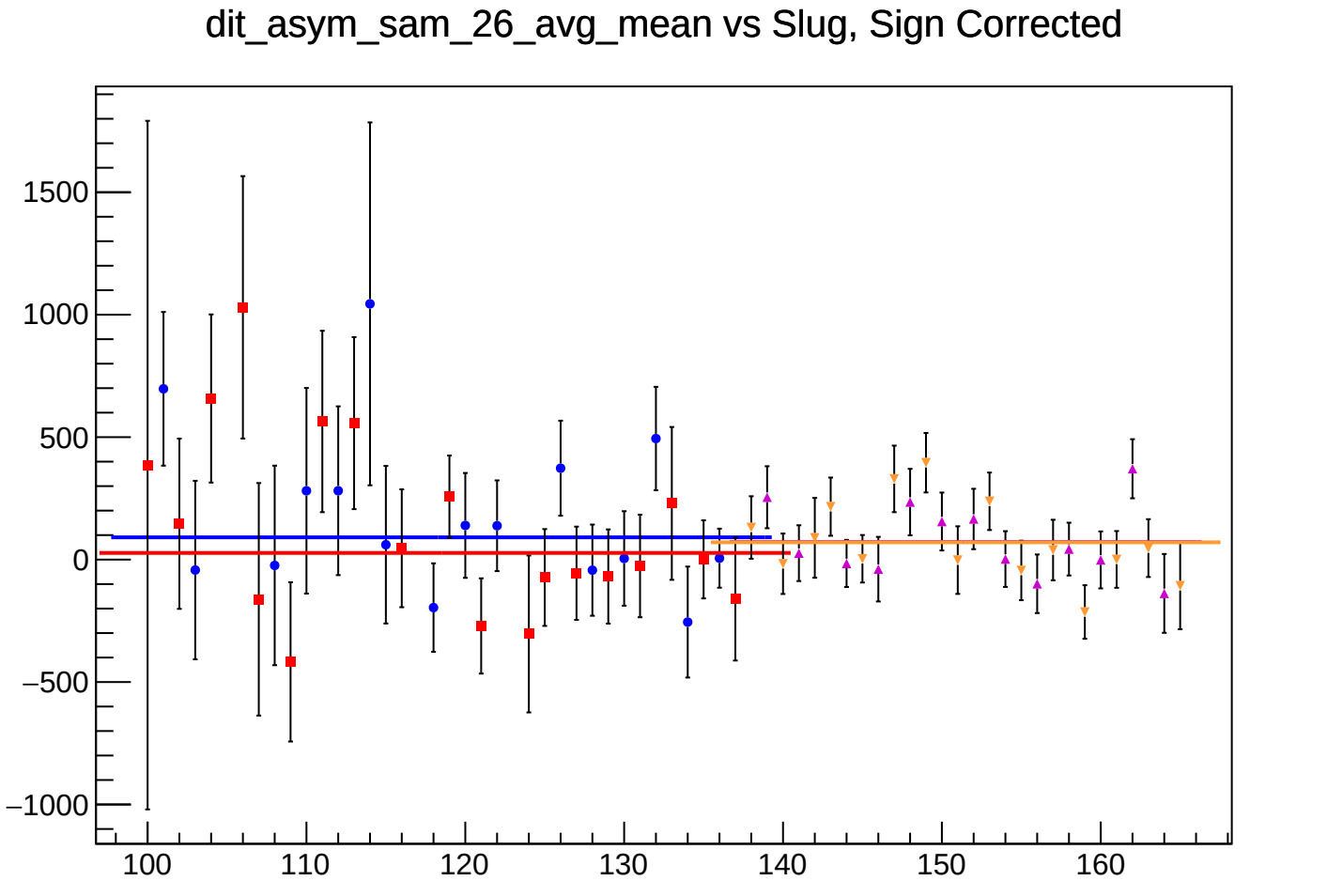
500
100
110
120
130
140
150
160
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 551.231+/-0.118 χ²/NDF:1697333.6/14
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 548.177+/-0.122 χ²/NDF:1367963.6/12
Left: 549.748+/-0.085 χ²/NDF: 3065620.4/27
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 621.509+/-0.115 χ²/NDF:6574019.5/28
Out: 623.422+/-0.113 χ²/NDF:7605846.0/33
All: 622.481+/-0.080 χ²/NDF: 14180007.2/62



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 70.673+/-31.885 χ^2/NDF:25.0/14

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 72.196+/-33.135 χ^2/NDF:17.0/12

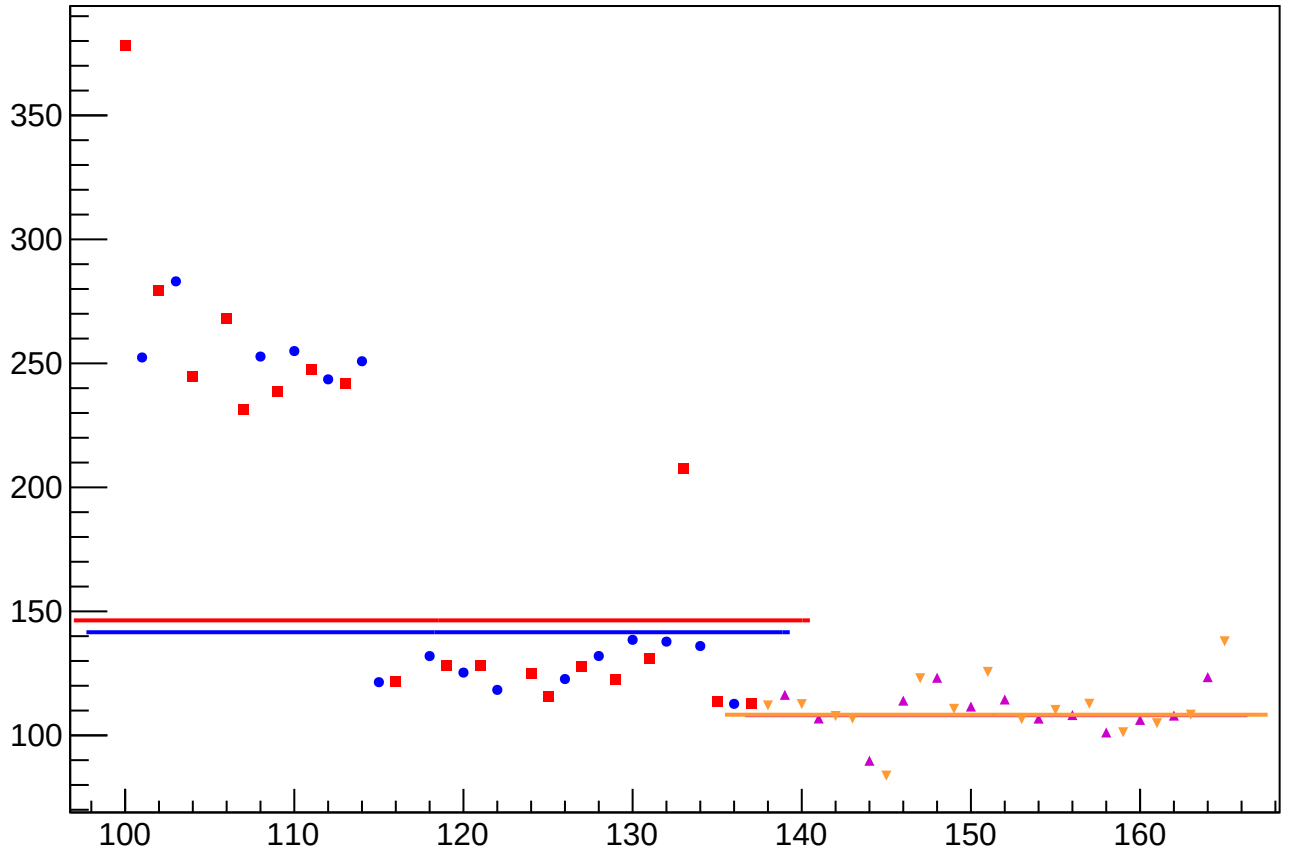
Left: 71.405+/-22.975 χ^2/NDF: 42.0/27

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 77.104+/-28.459 χ^2/NDF:35.2/28

Out: 60.309+/-27.829 χ^2/NDF:46.0/33

All: 68.519+/-19.897 χ^2/NDF: 81.3/62



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 108.328+/-0.023 χ^2/NDF:257239.9/14

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.132+/-0.023 χ^2/NDF:144658.2/12

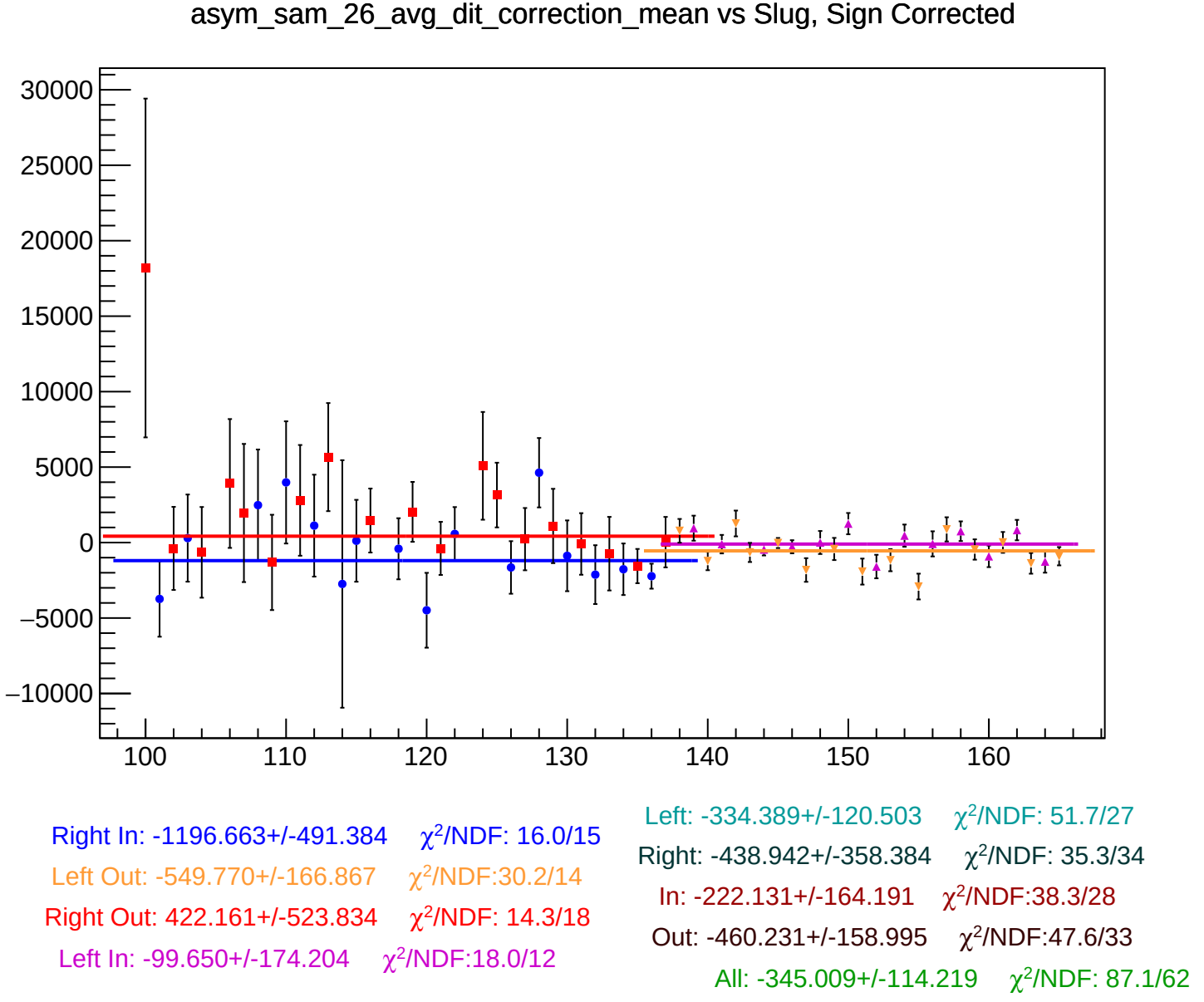
Left: 108.234+/-0.016 χ^2/NDF: 401934.5/27

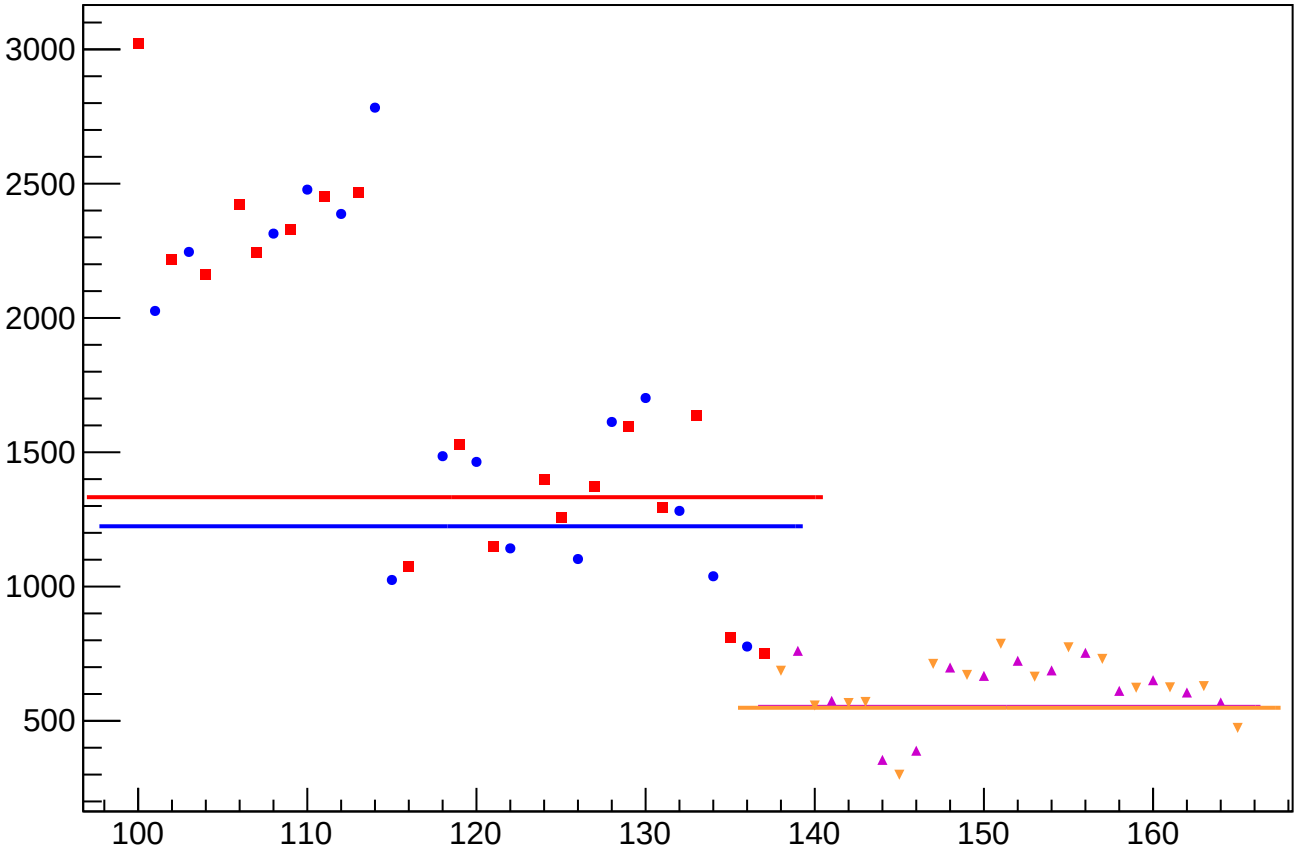
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 116.908+/-0.020 χ^2/NDF:1941829.6/28

Out: 117.391+/-0.020 χ^2/NDF:2449081.6/33

All: 117.155+/-0.014 χ^2/NDF: 4391205.6/62


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
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -549.770+/-166.867 χ²/NDF:30.2/14
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -99.650+/-174.204 χ²/NDF:18.0/12
Left: -334.389+/-120.503 χ²/NDF: 51.7/27
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -222.131+/-164.191 χ²/NDF:38.3/28
Out: -460.231+/-158.995 χ²/NDF:47.6/33
All: -345.009+/-114.219 χ²/NDF: 87.1/62



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 548.770+/-0.118 χ^2/NDF:1873403.4/14

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 552.218+/-0.123 χ^2/NDF:1398621.7/12

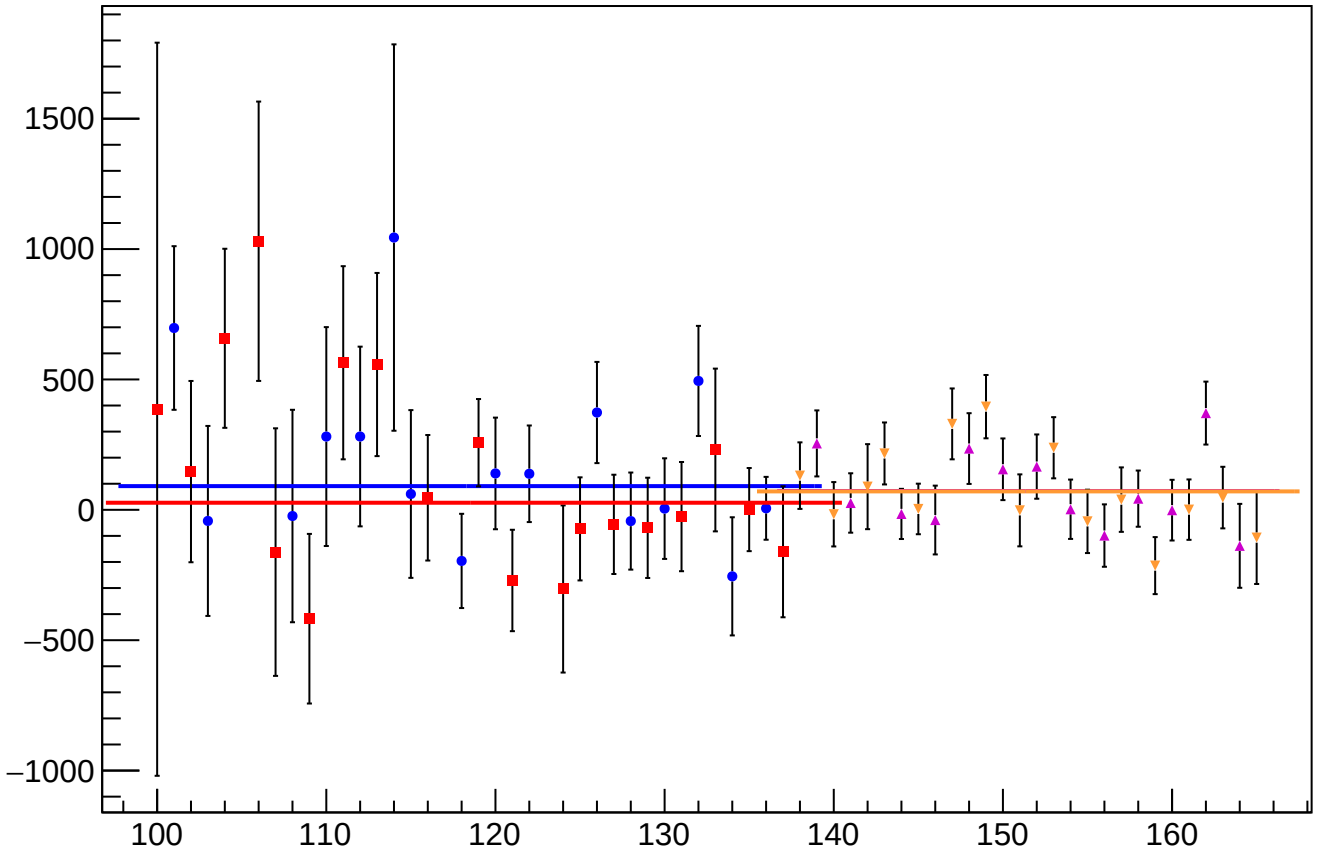
Left: 550.420+/-0.085 χ^2/NDF: 3272433.8/27

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 627.275+/-0.116 χ^2/NDF:6683327.9/28

Out: 620.997+/-0.112 χ^2/NDF:7935621.4/33

All: 624.035+/-0.081 χ^2/NDF: 14620458.2/62



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 70.673+/-31.885 χ^2/NDF:25.0/14

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 72.193+/-33.135 χ^2/NDF:17.0/12

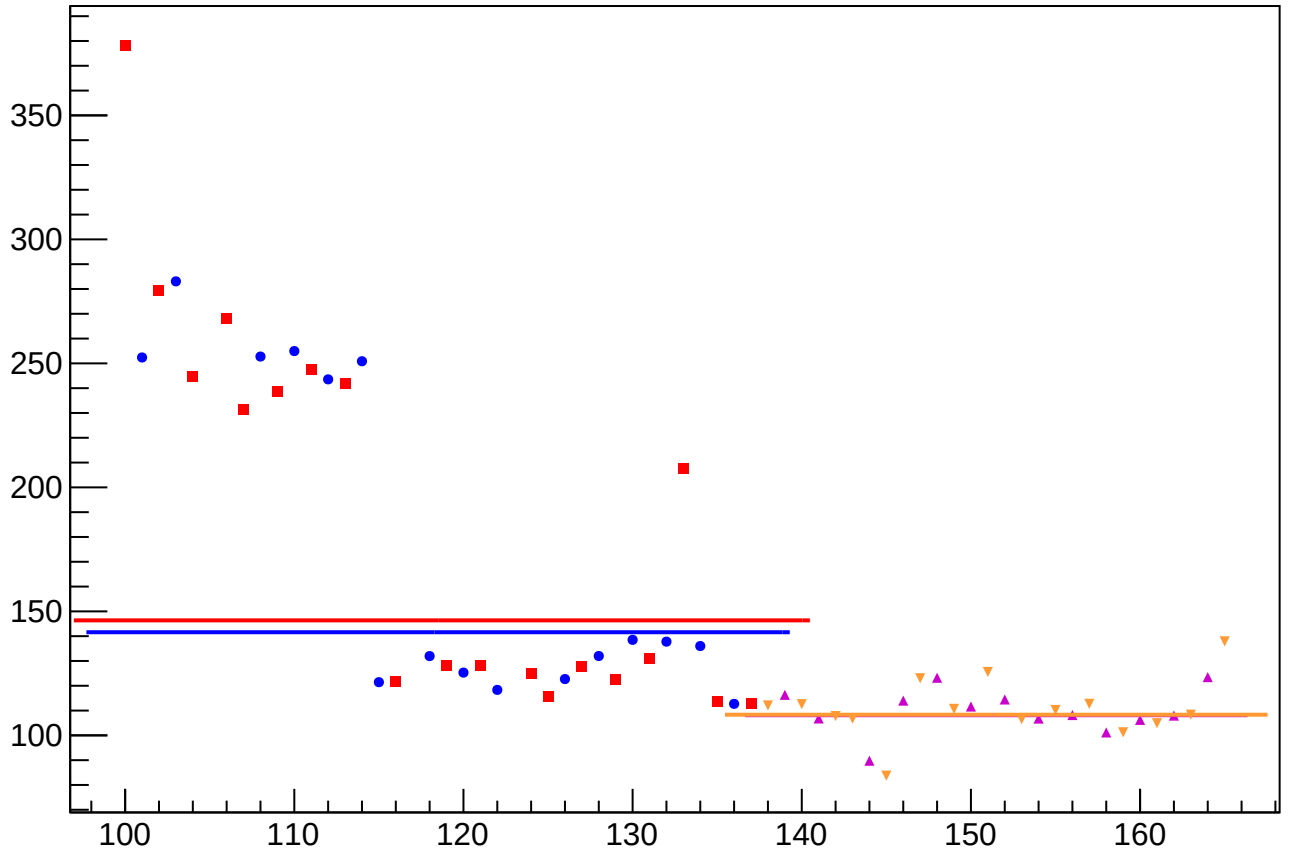
Left: 71.404+/-22.975 χ^2/NDF: 42.0/27

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 77.103+/-28.459 χ^2/NDF:35.2/28

Out: 60.309+/-27.829 χ^2/NDF:46.0/33

All: 68.518+/-19.897 χ^2/NDF: 81.3/62



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 108.329+/-0.023 χ^2/NDF:257230.2/14

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.133+/-0.023 χ^2/NDF:144657.5/12

Left: 108.234+/-0.016 χ^2/NDF: 401924.1/27

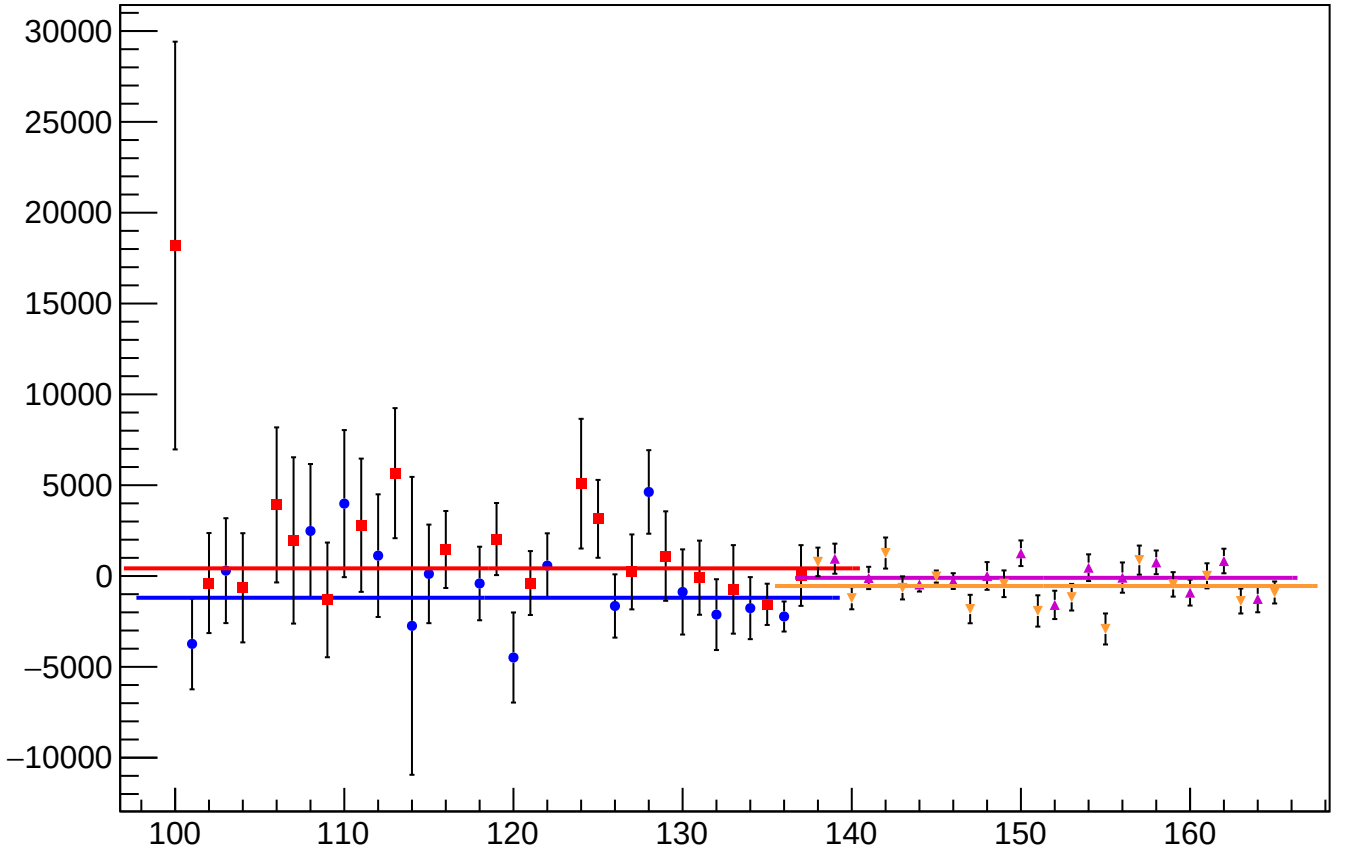
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 116.908+/-0.020 χ^2/NDF:1941783.1/28

Out: 117.391+/-0.020 χ^2/NDF:2449034.2/33

All: 117.155+/-0.014 χ^2/NDF: 4391111.8/62

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: -549.767+/-166.866 χ^2/NDF:30.2/14

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -99.650+/-174.204 χ^2/NDF:18.0/12

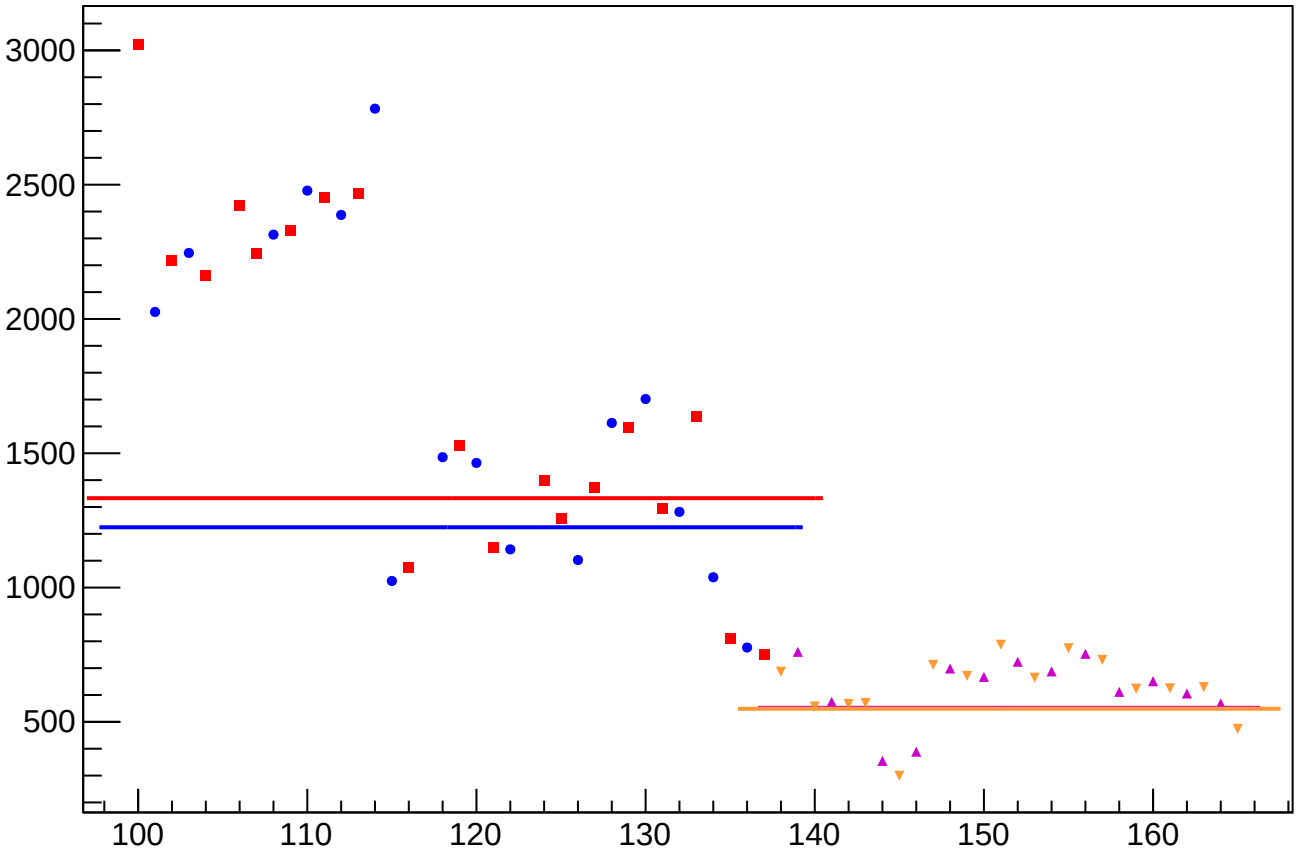
Left: -334.388+/-120.503 χ^2/NDF: 51.7/27

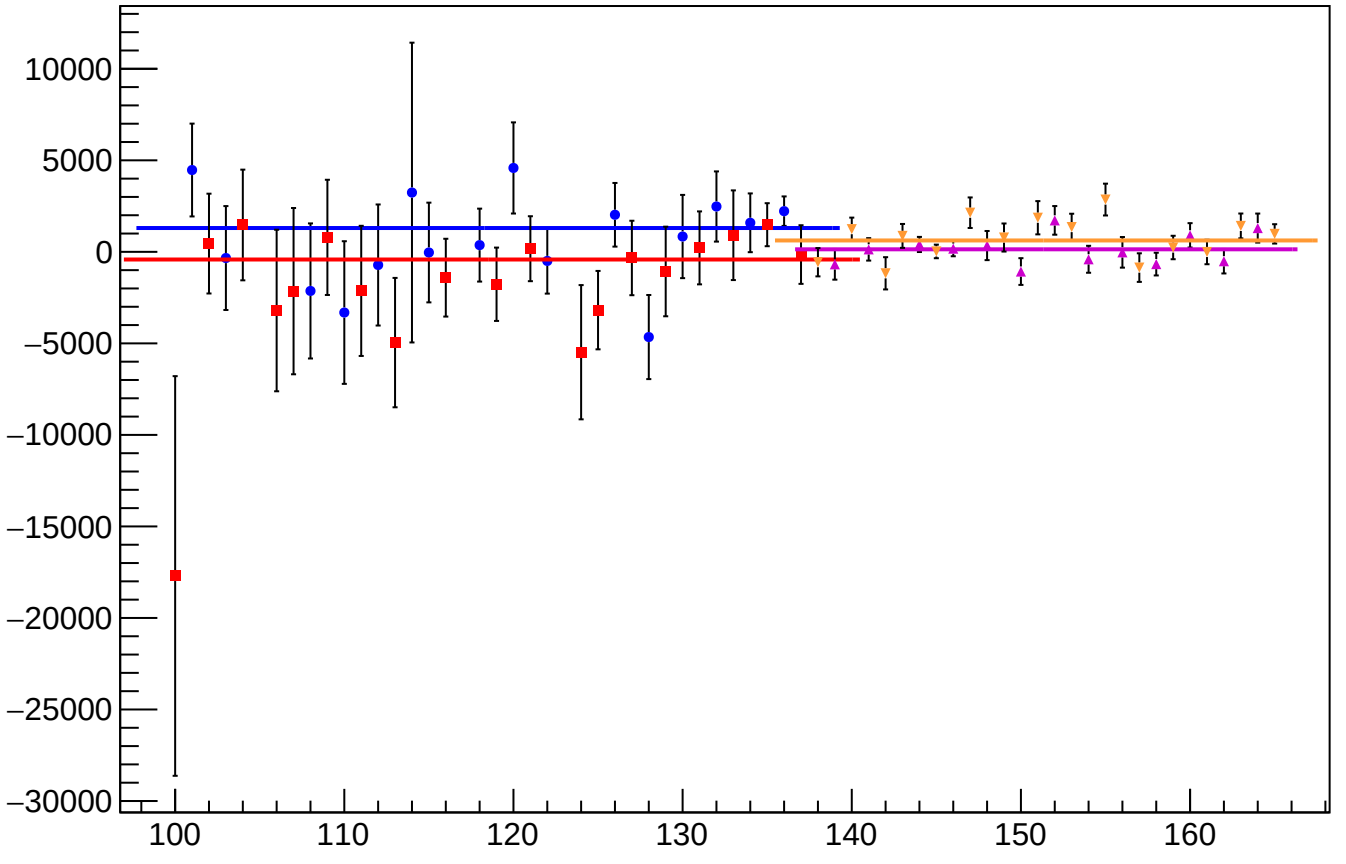
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -222.131+/-164.191 χ^2/NDF:38.3/28

Out: -460.228+/-158.994 χ^2/NDF:47.6/33

All: -345.007+/-114.219 χ^2/NDF: 87.1/62


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 548.768+/-0.118 χ²/NDF:1873451.9/14
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 552.217+/-0.123 χ²/NDF:1398639.9/12
Left: 550.418+/-0.085 χ²/NDF: 3272500.6/27
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 627.274+/-0.116 χ²/NDF:6683337.2/28
Out: 620.995+/-0.112 χ²/NDF:7935673.8/33
All: 624.034+/-0.081 χ²/NDF: 14620520.3/62



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 622.515+/-169.717 χ^2/NDF:29.7/14

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 138.474+/-174.729 χ^2/NDF:15.0/12

Left: 387.537+/-121.742 χ^2/NDF: 48.7/27

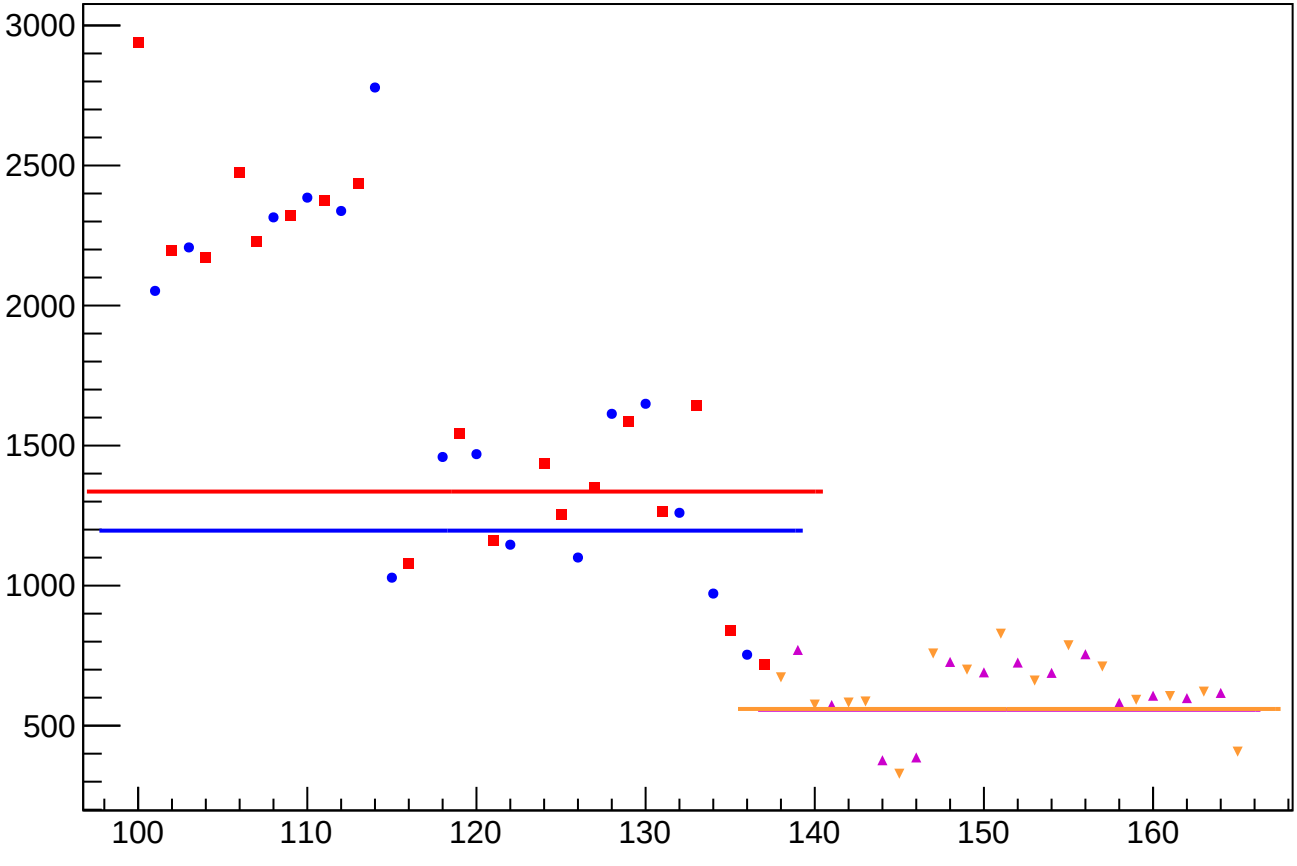
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 273.593+/-164.267 χ^2/NDF:36.6/28

Out: 523.874+/-161.474 χ^2/NDF:46.4/33

All: 400.879+/-115.154 χ^2/NDF: 84.1/62

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 559.641+/-0.120 χ^2/NDF:1628739.3/14

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 556.800+/-0.124 χ^2/NDF:1308536.6/12

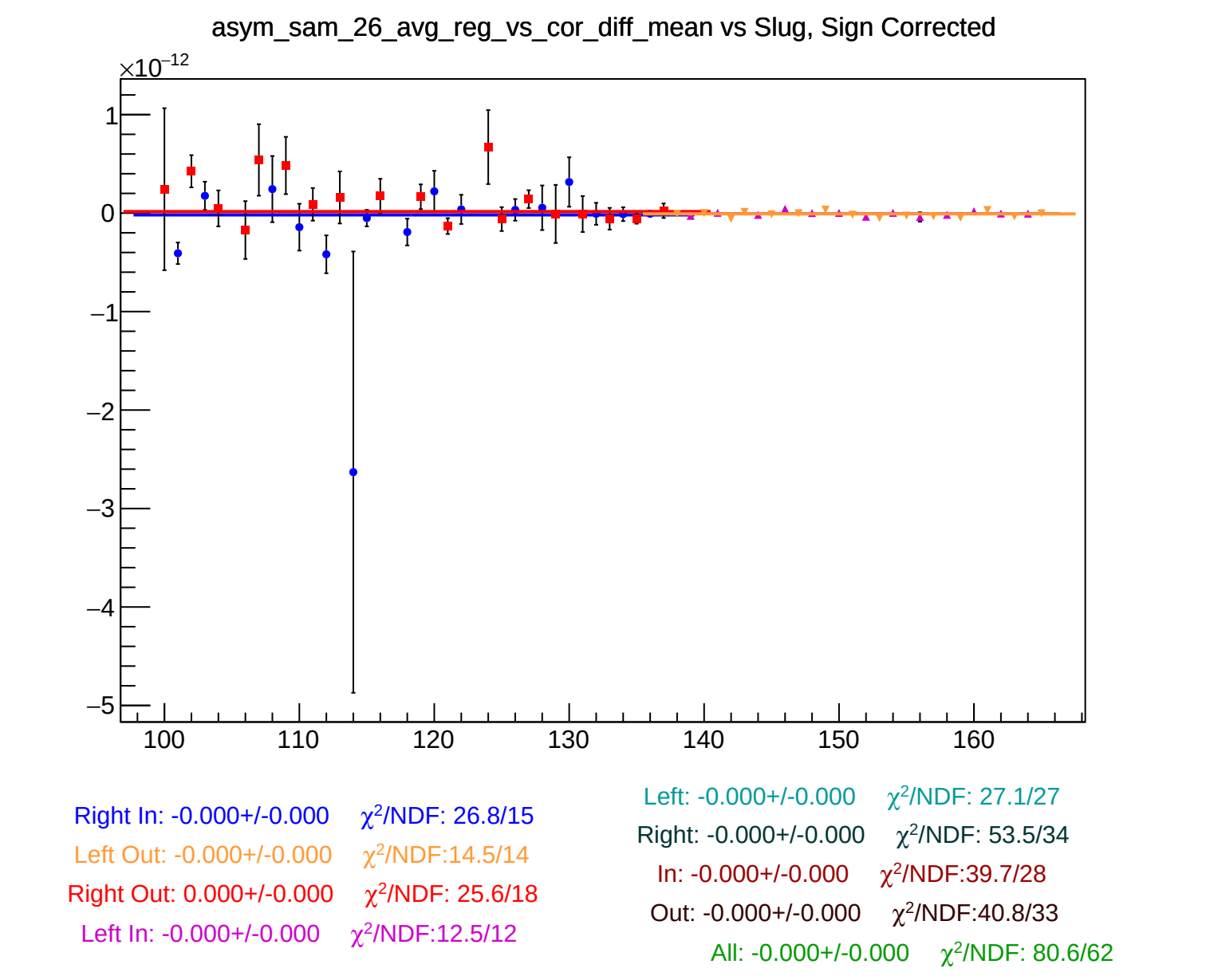
Left: 558.262+/-0.086 χ^2/NDF: 2937548.2/27

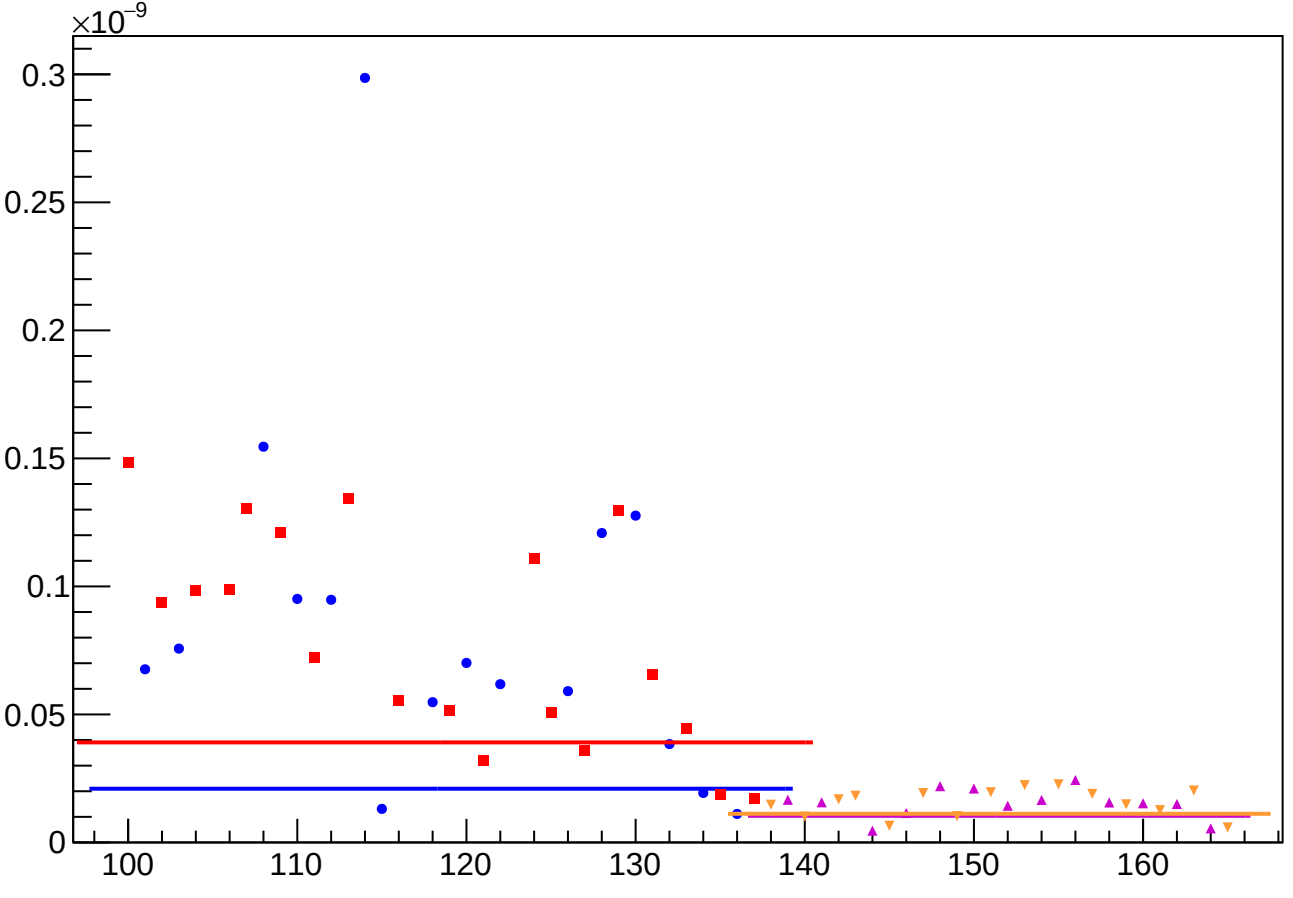
Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 631.095+/-0.116 χ^2/NDF:6452923.6/28

Out: 633.202+/-0.114 χ^2/NDF:7544648.4/33

All: 632.166+/-0.081 χ^2/NDF: 13997739.4/62


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
Right In: -0.000+/-0.000 χ²/NDF: 26.8/15
Left Out: -0.000+/-0.000 χ²/NDF:14.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/18
Left In: -0.000+/-0.000 χ²/NDF:12.5/12
Left: -0.000+/-0.000 χ²/NDF: 27.1/27
Right: -0.000+/-0.000 χ²/NDF: 53.5/34
In: -0.000+/-0.000 χ²/NDF:39.7/28
Out: -0.000+/-0.000 χ²/NDF:40.8/33
All: -0.000+/-0.000 χ²/NDF: 80.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1802791.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2009824.6/12

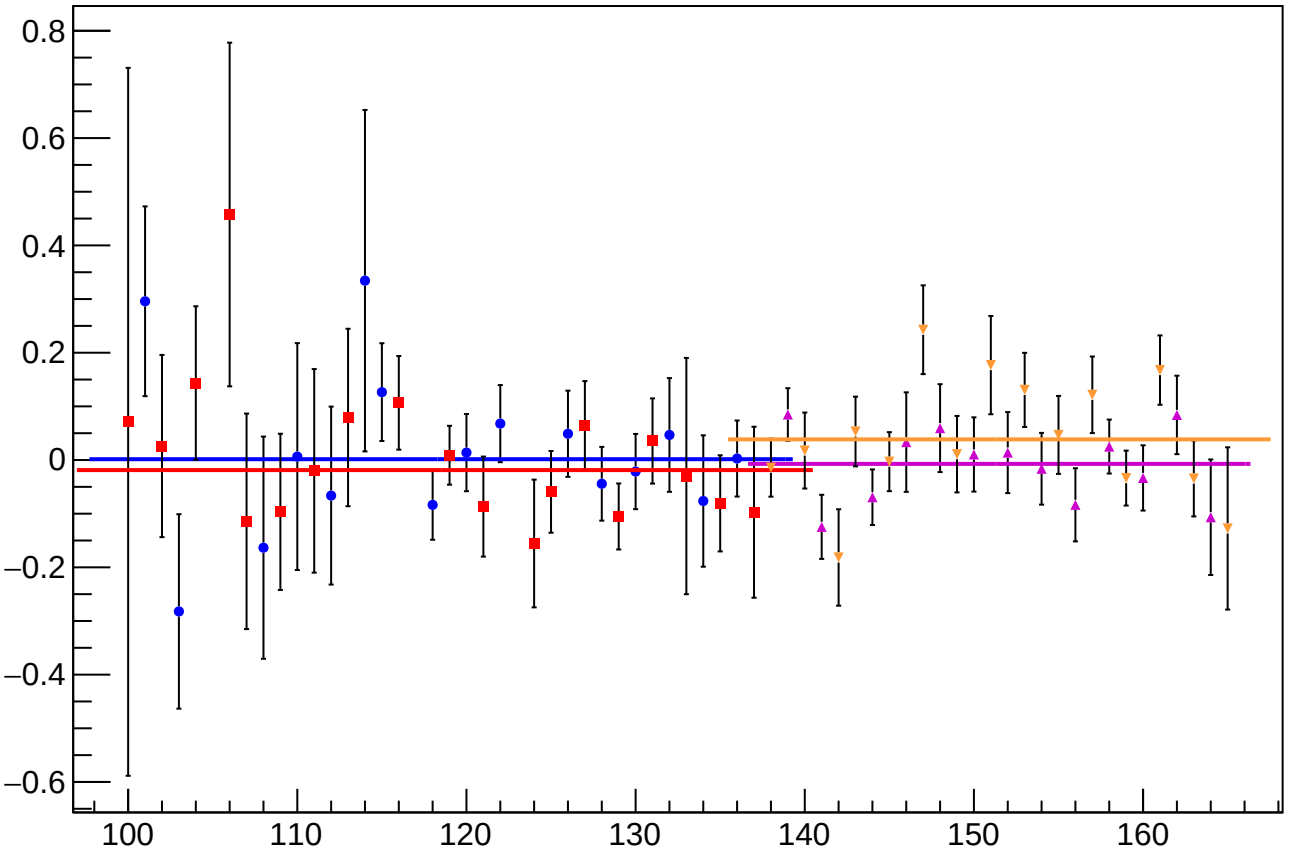
Left: 0.000+/-0.000 χ^2/NDF: 3830525.0/27

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6026015.4/28

Out: 0.000+/-0.000 χ^2/NDF:5838193.5/33

All: 0.000+/-0.000 χ^2/NDF: 11888595.5/62



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

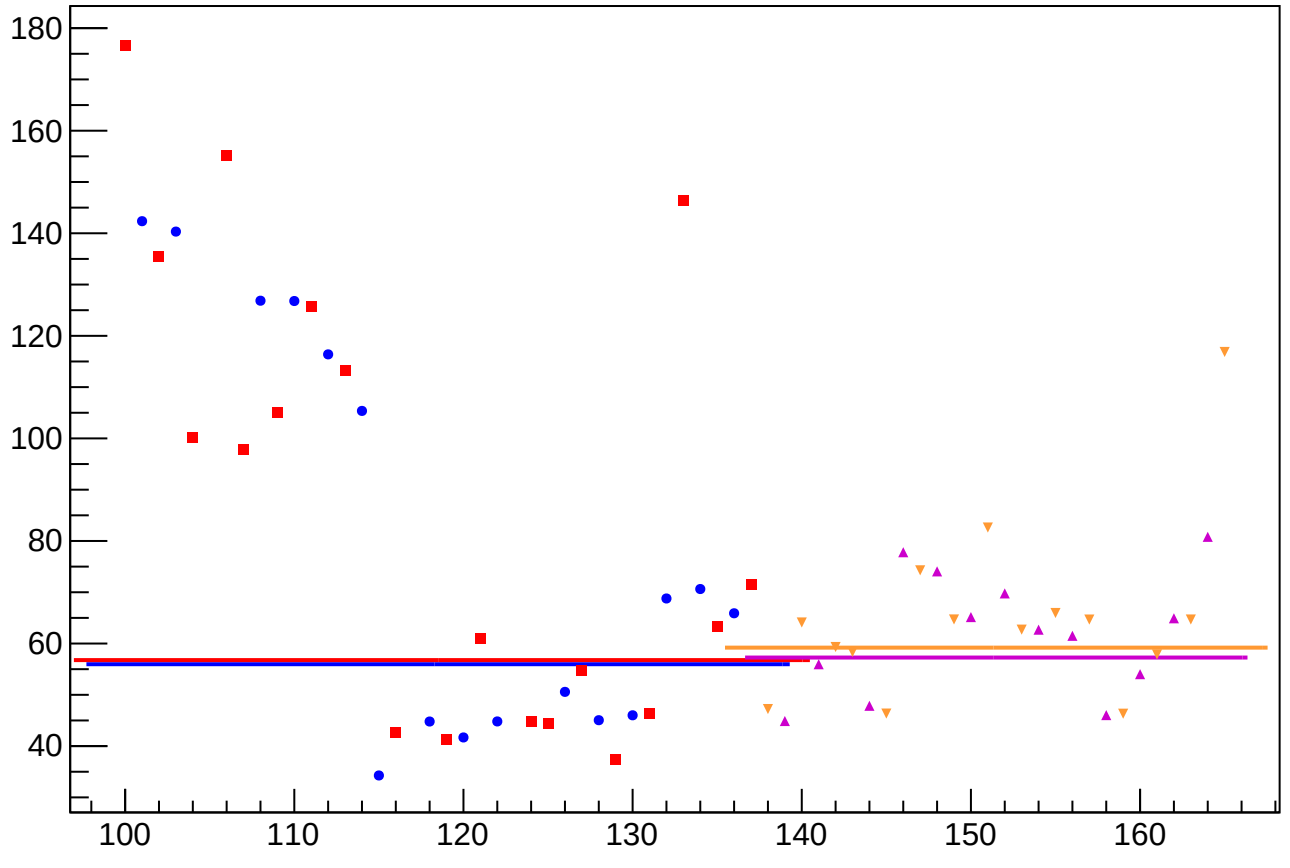
Left: 0.016+/-0.013 χ^2/NDF: 44.9/27

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/62



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.201+/-0.013 χ^2/NDF:890699.5/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

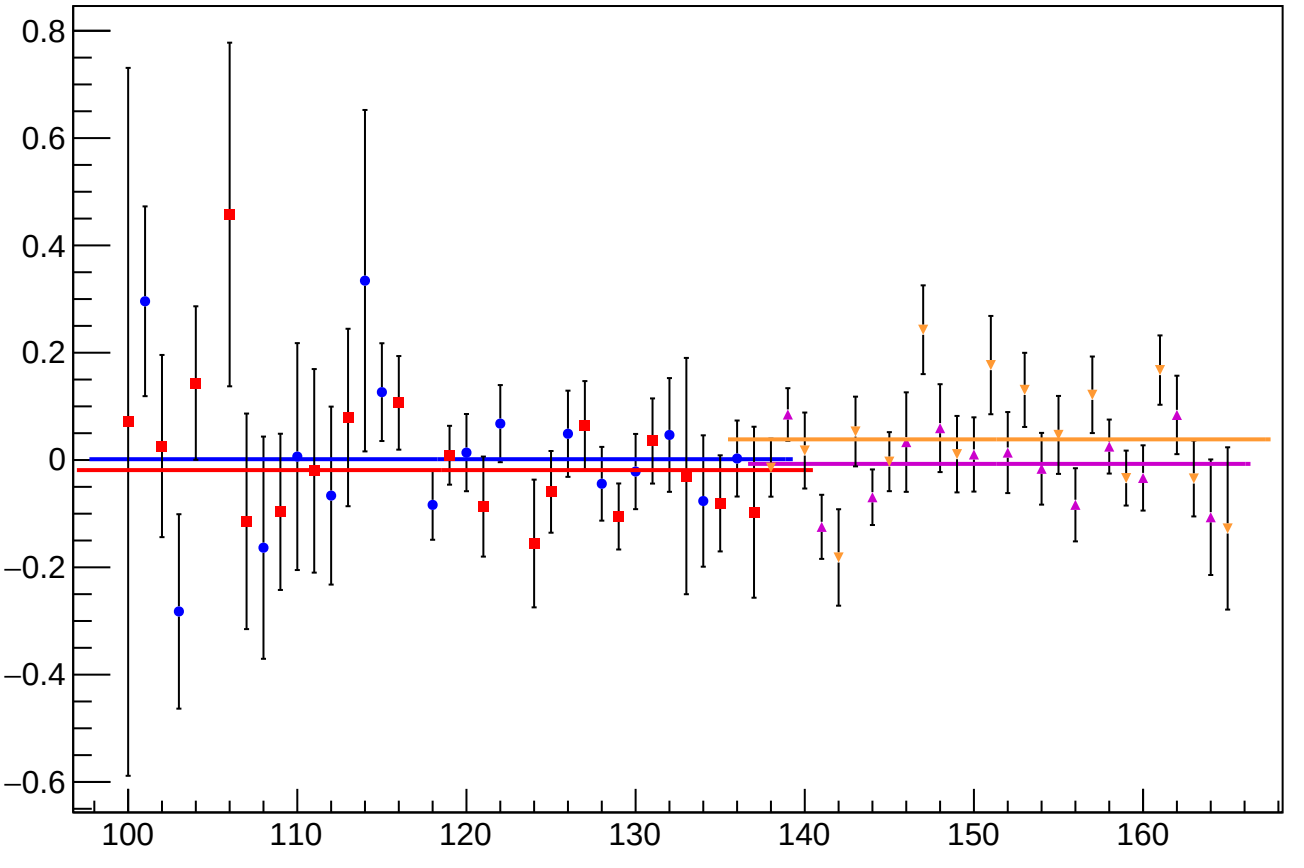
Left: 58.243+/-0.009 χ^2/NDF: 1603547.4/27

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.786+/-0.010 χ^2/NDF:2884863.2/28

Out: 58.316+/-0.010 χ^2/NDF:3457507.2/33

All: 57.554+/-0.007 χ^2/NDF: 6353932.9/62



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

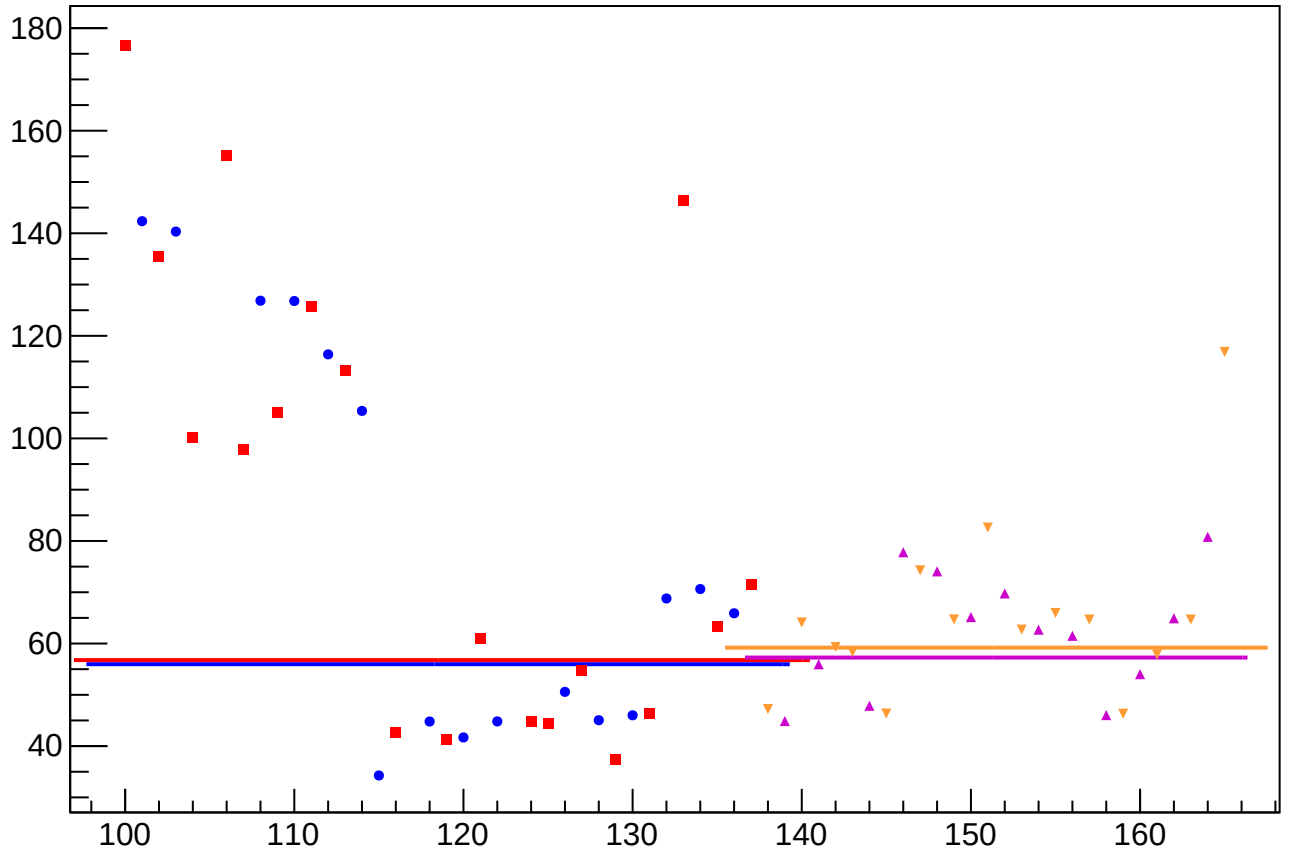
Left: 0.016+/-0.013 χ^2/NDF: 44.9/27

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/62



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.201+/-0.013 χ^2/NDF:890699.5/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

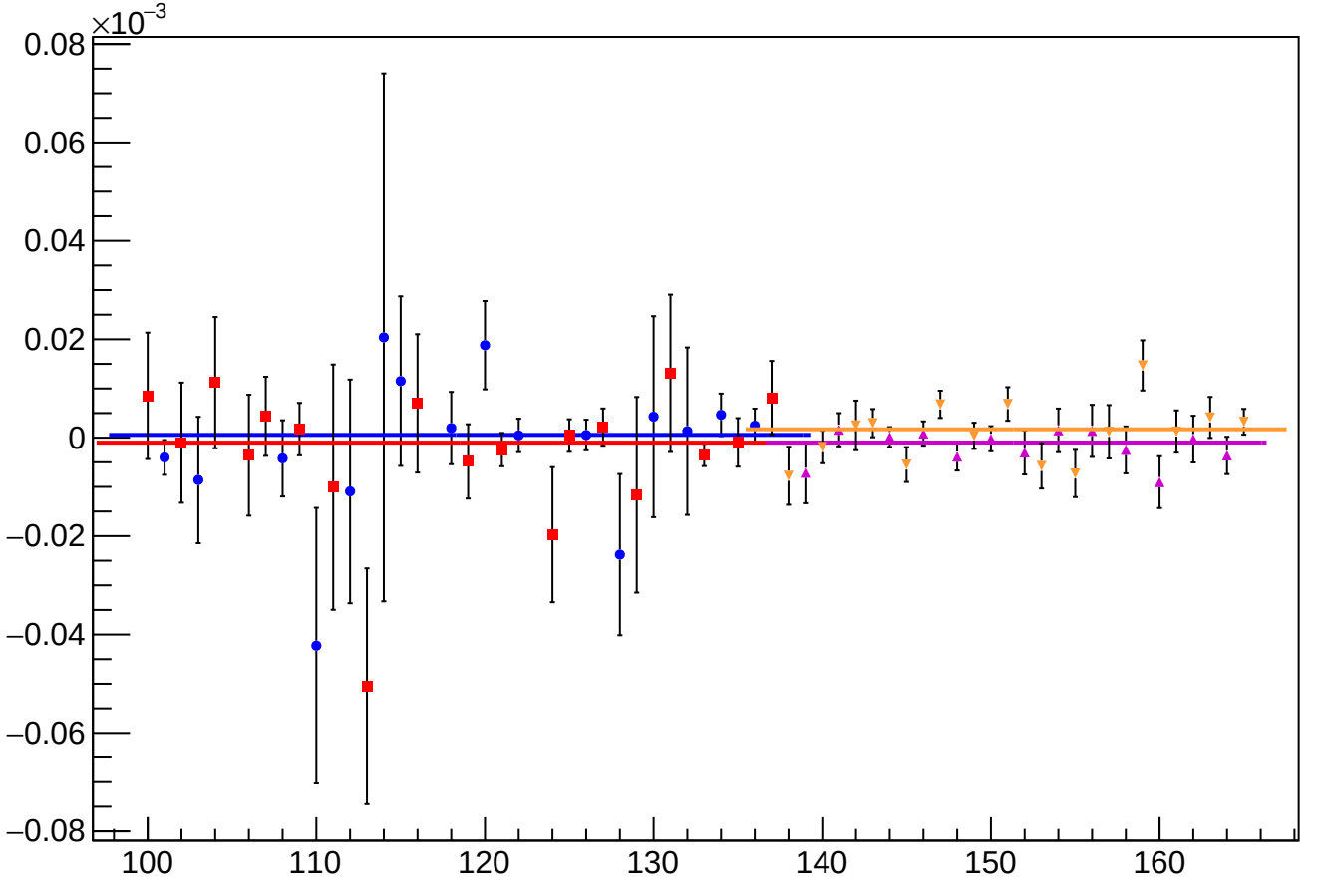
Left: 58.243+/-0.009 χ^2/NDF: 1603547.4/27

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.786+/-0.010 χ^2/NDF:2884863.2/28

Out: 58.316+/-0.010 χ^2/NDF:3457507.2/33

All: 57.554+/-0.007 χ^2/NDF: 6353932.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/12

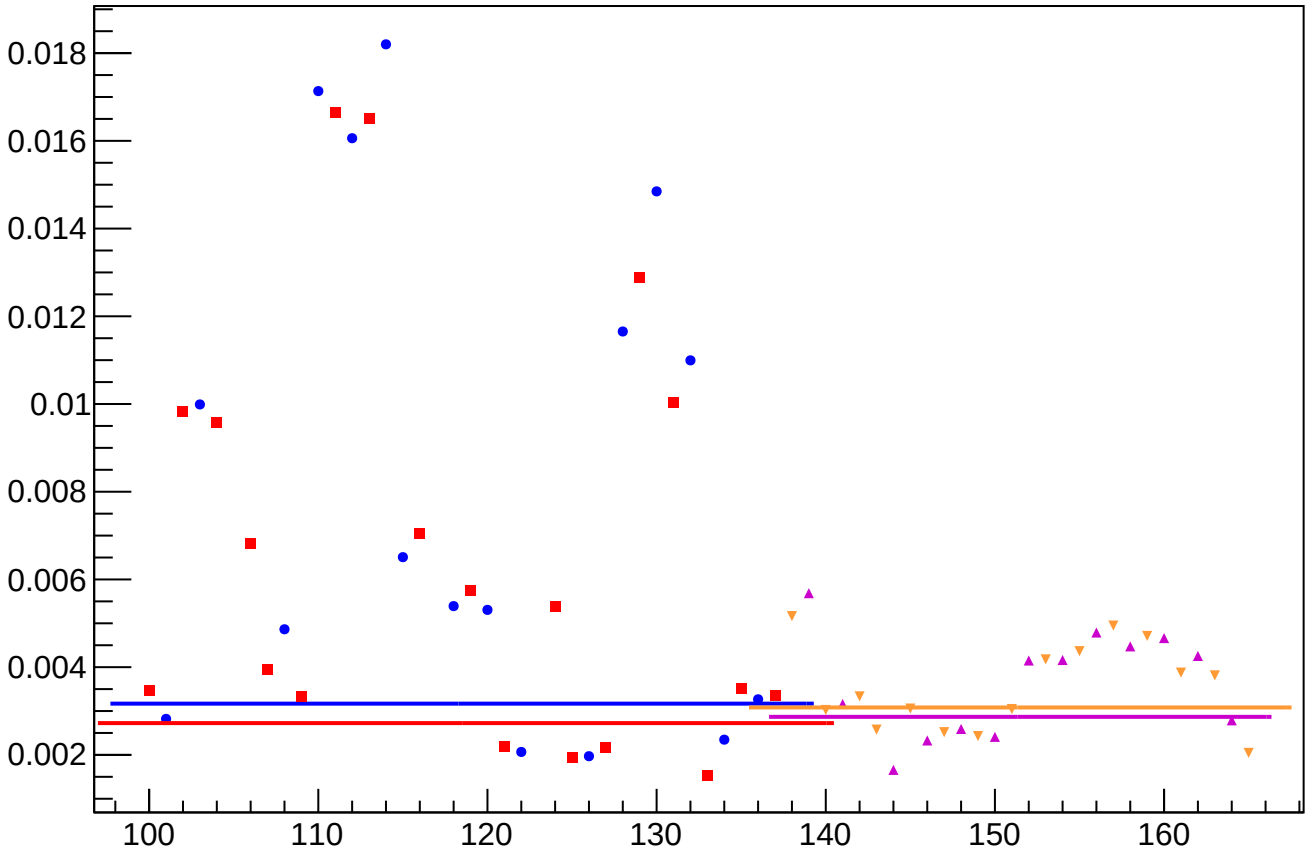
Left: 0.000+/-0.000 χ^2/NDF: 38.6/27

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:21.3/28

Out: 0.000+/-0.000 χ^2/NDF:44.0/33

All: 0.000+/-0.000 χ^2/NDF: 66.7/62



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1662724.9/14

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2559566.2/12

Left: 0.003+/-0.000 χ^2/NDF: 4274270.8/27

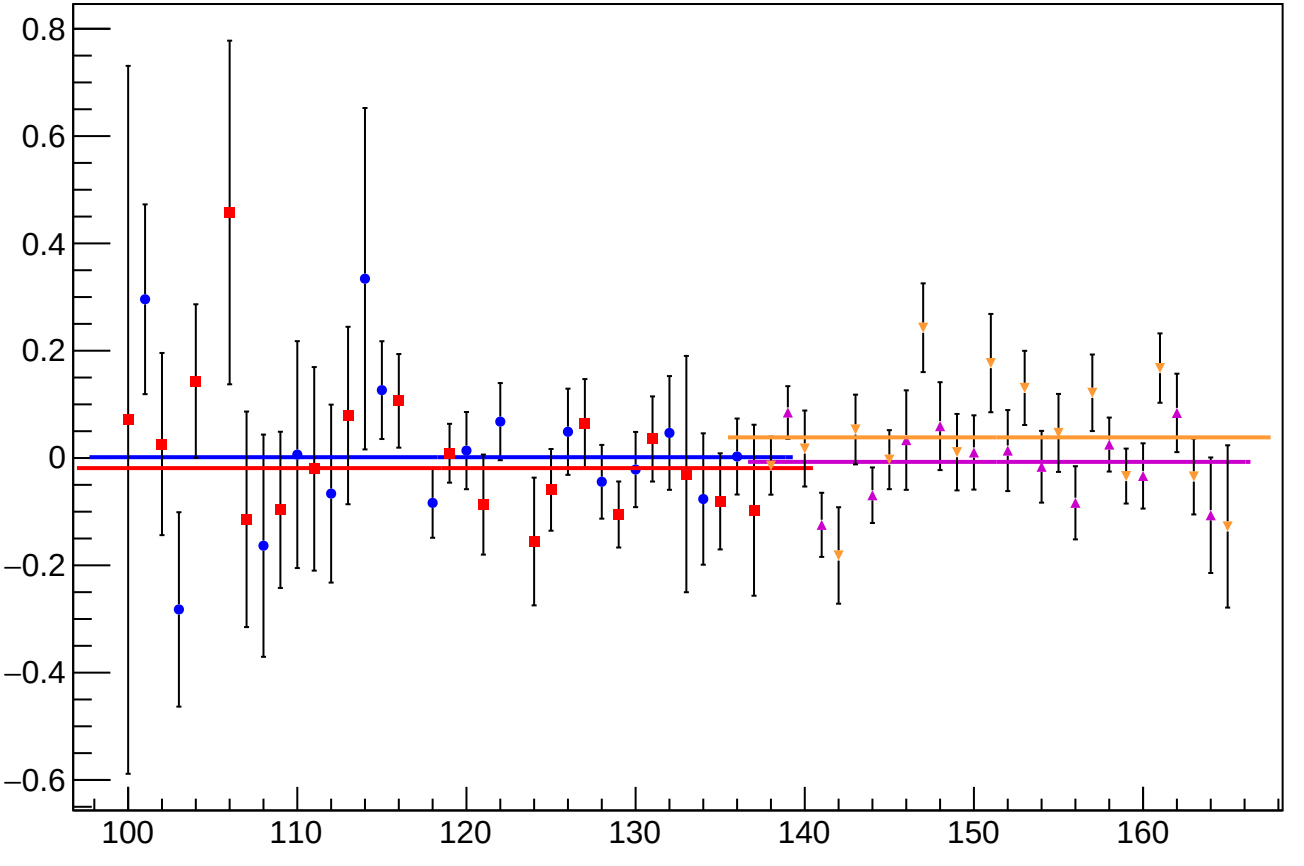
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7166098.6/28

Out: 0.003+/-0.000 χ^2/NDF:6917583.2/33

All: 0.003+/-0.000 χ^2/NDF: 14083682.1/62

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

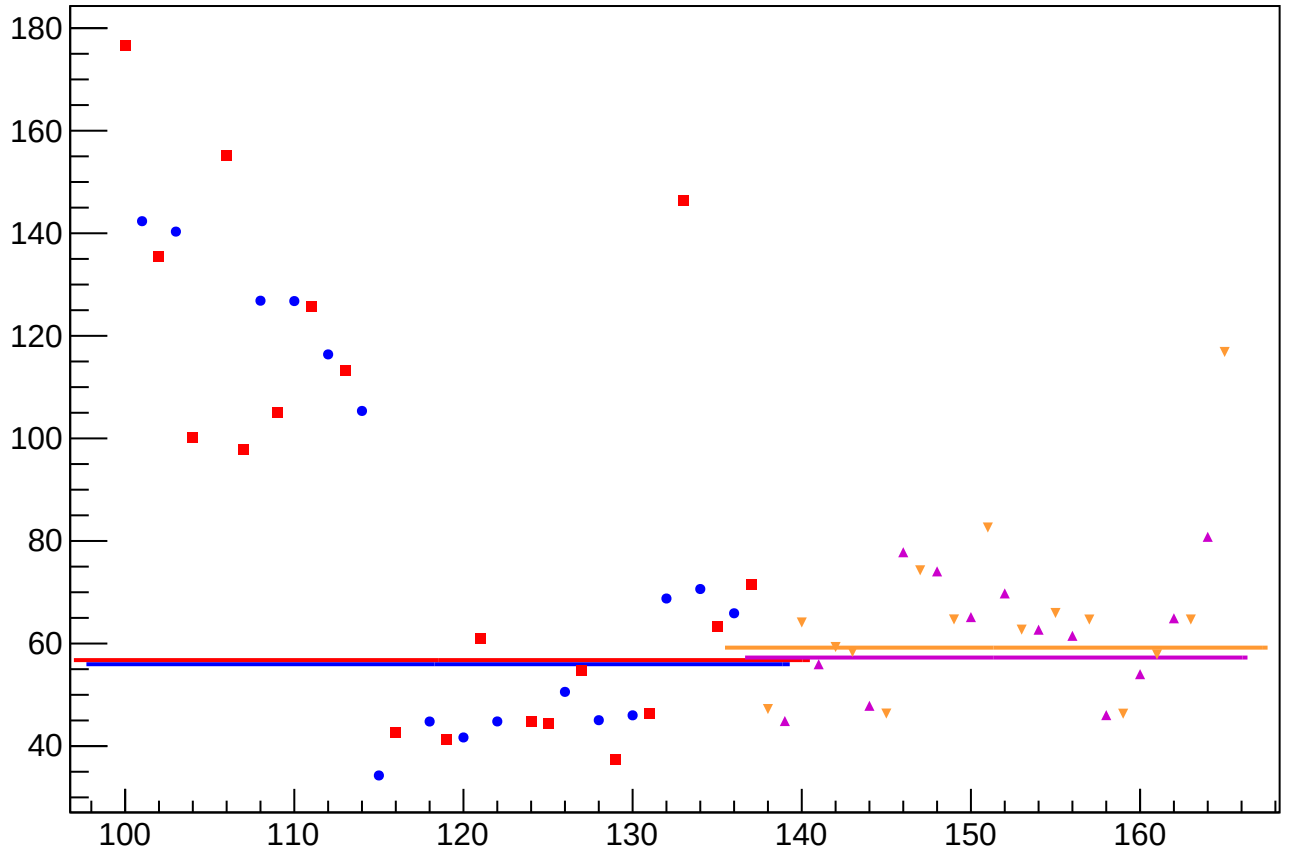
Left: 0.016+/-0.013 χ^2/NDF: 44.9/27

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/62



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.202+/-0.013 χ^2/NDF:890687.4/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

Left: 58.244+/-0.009 χ^2/NDF: 1603537.3/27

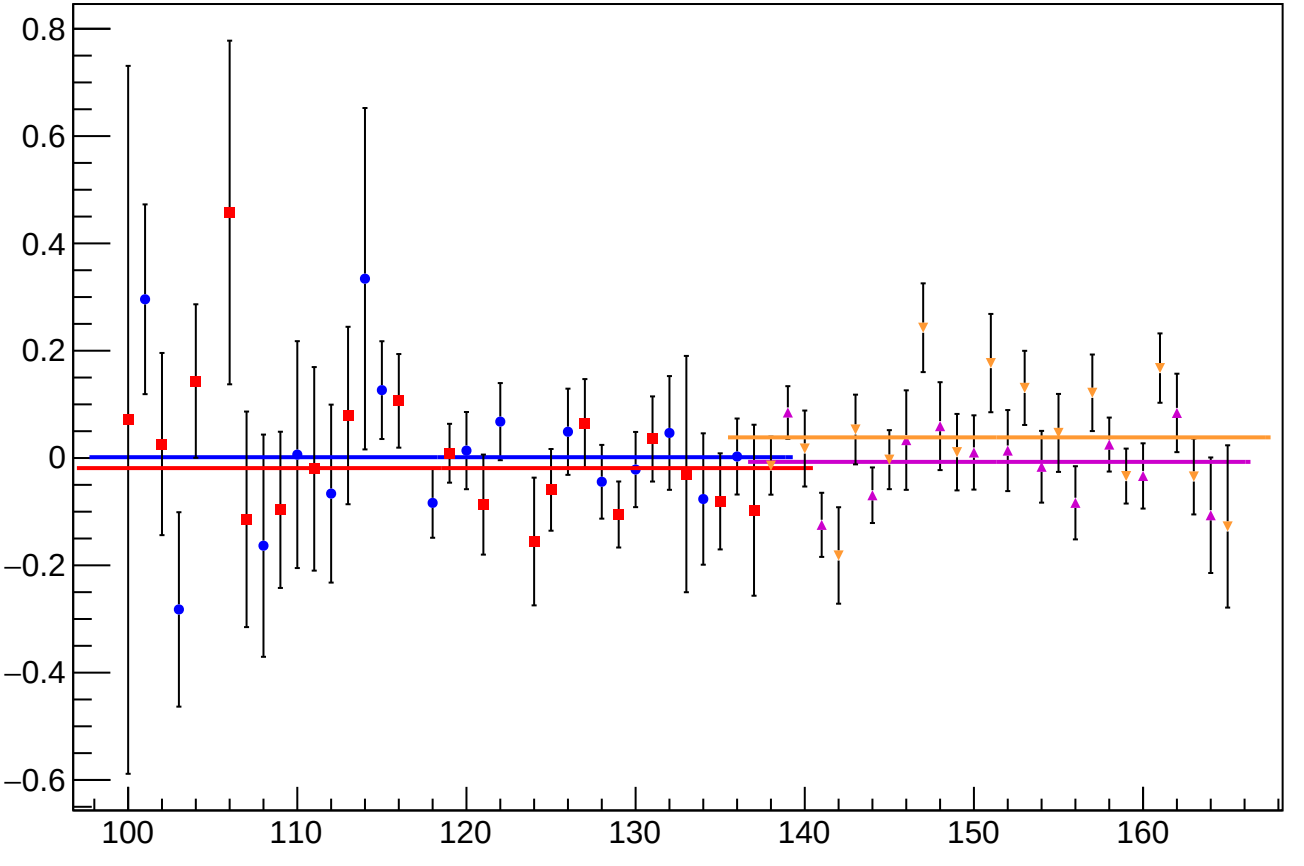
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.786+/-0.010 χ^2/NDF:2884798.9/28

Out: 58.316+/-0.010 χ^2/NDF:3457451.8/33

All: 57.554+/-0.007 χ^2/NDF: 6353811.7/62

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: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

Left: 0.016+/-0.013 χ^2/NDF: 44.9/27

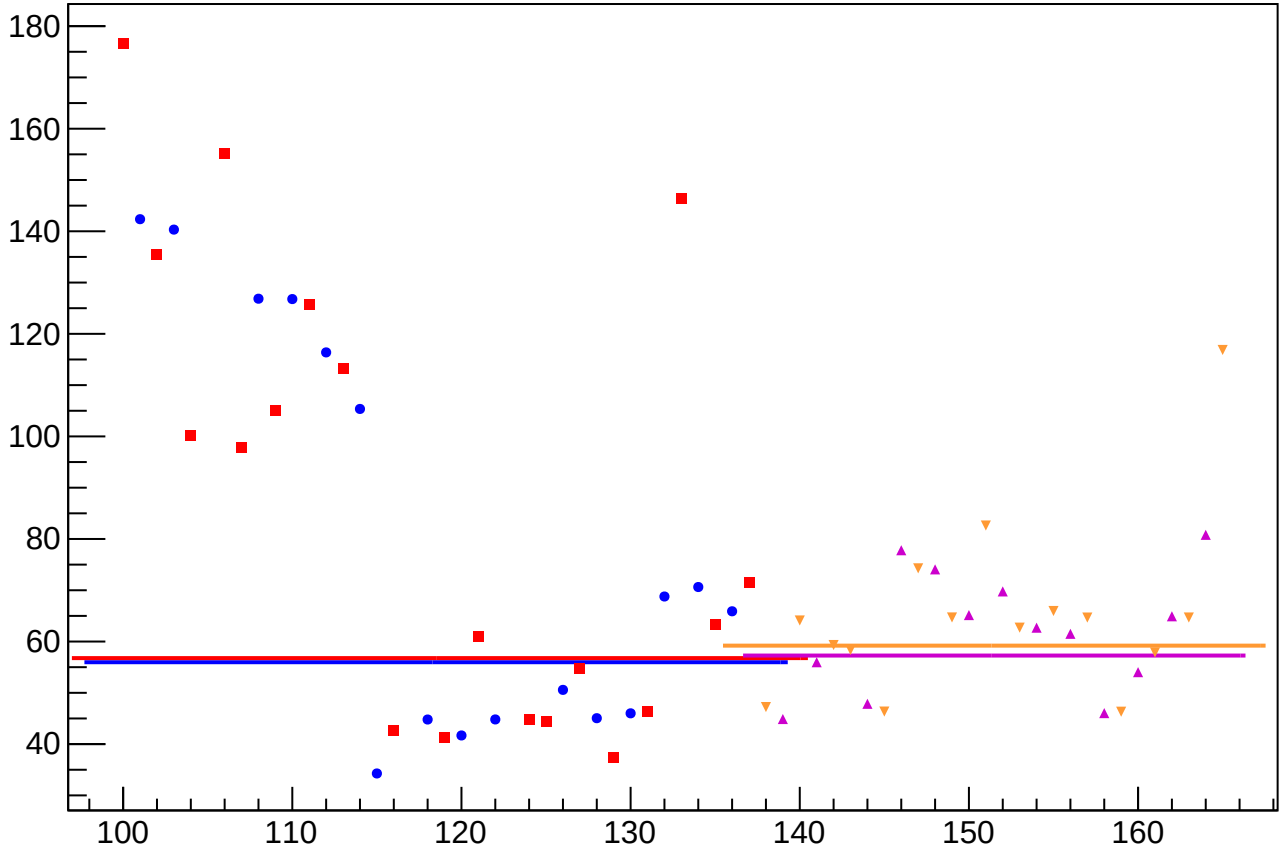
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/62

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: 59.202+/-0.013 χ^2/NDF:890687.4/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

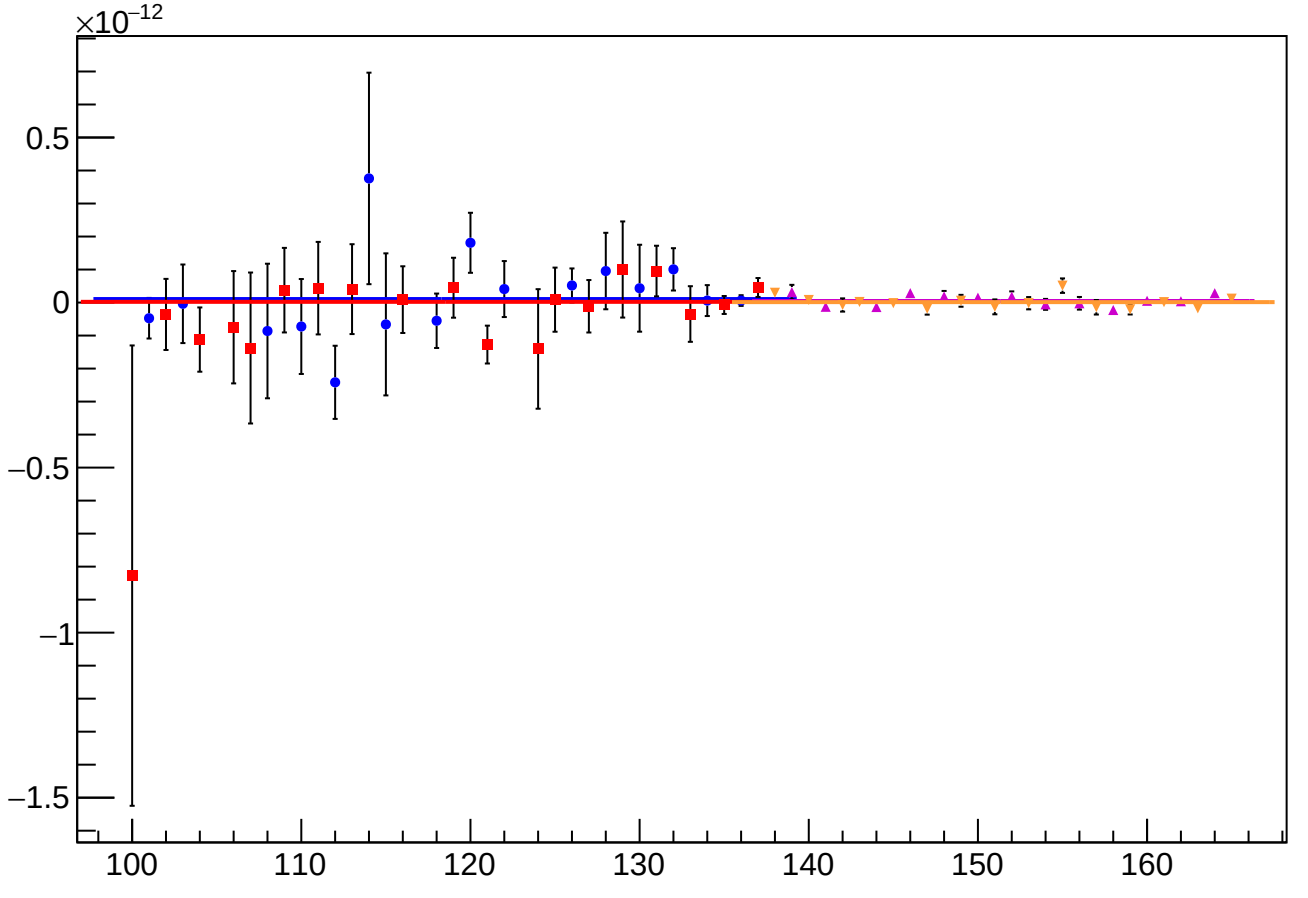
Left: 58.244+/-0.009 χ^2/NDF: 1603537.3/27

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.786+/-0.010 χ^2/NDF:2884798.9/28

Out: 58.316+/-0.010 χ^2/NDF:3457451.8/33

All: 57.554+/-0.007 χ^2/NDF: 6353811.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.2/12

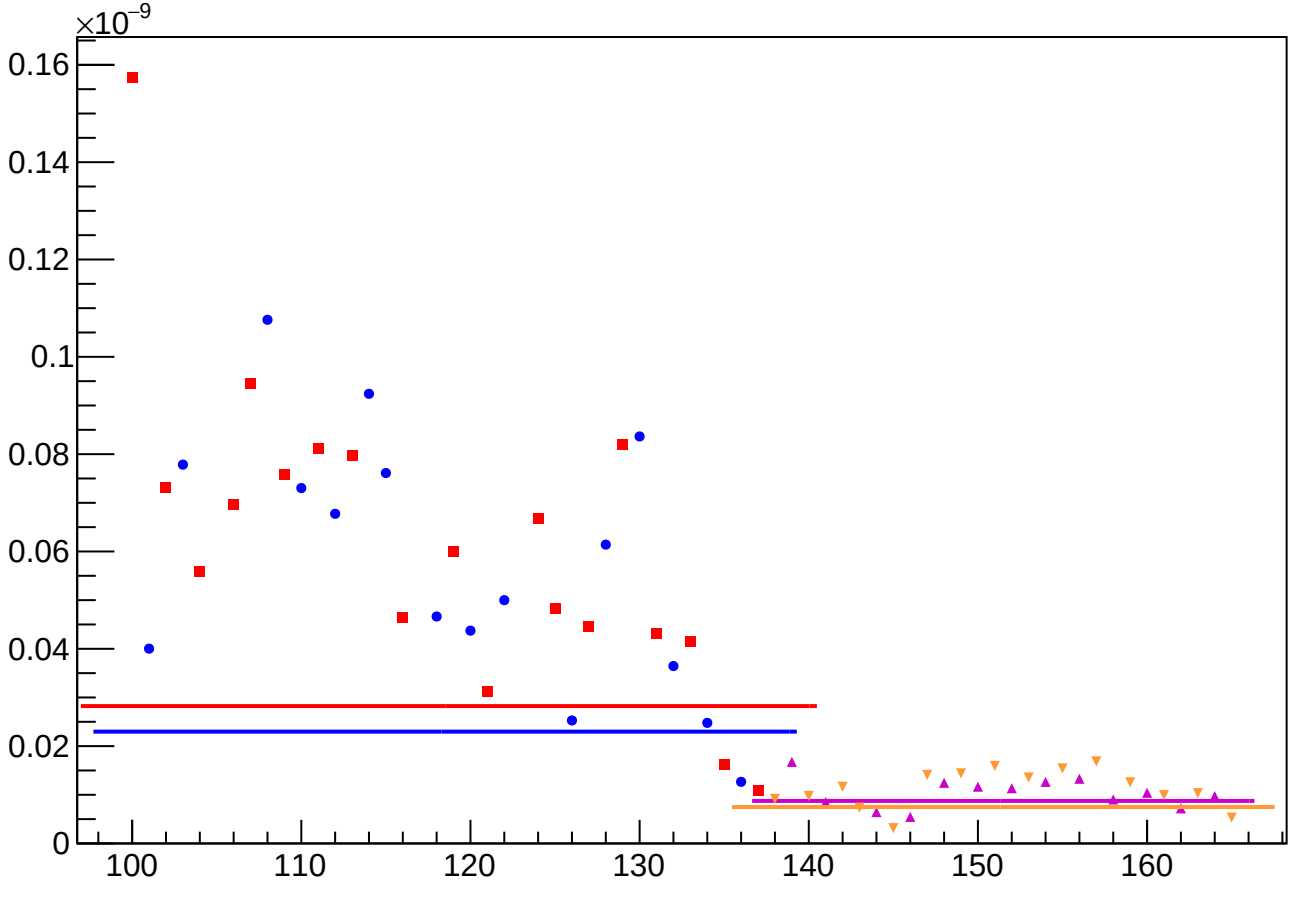
Left: 0.000+/-0.000 χ^2/NDF: 45.9/27

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:43.1/28

Out: 0.000+/-0.000 χ^2/NDF:32.4/33

All: 0.000+/-0.000 χ^2/NDF: 76.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3811969.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1266271.8/12

Left: 0.000+/-0.000 χ^2/NDF: 5225421.1/27

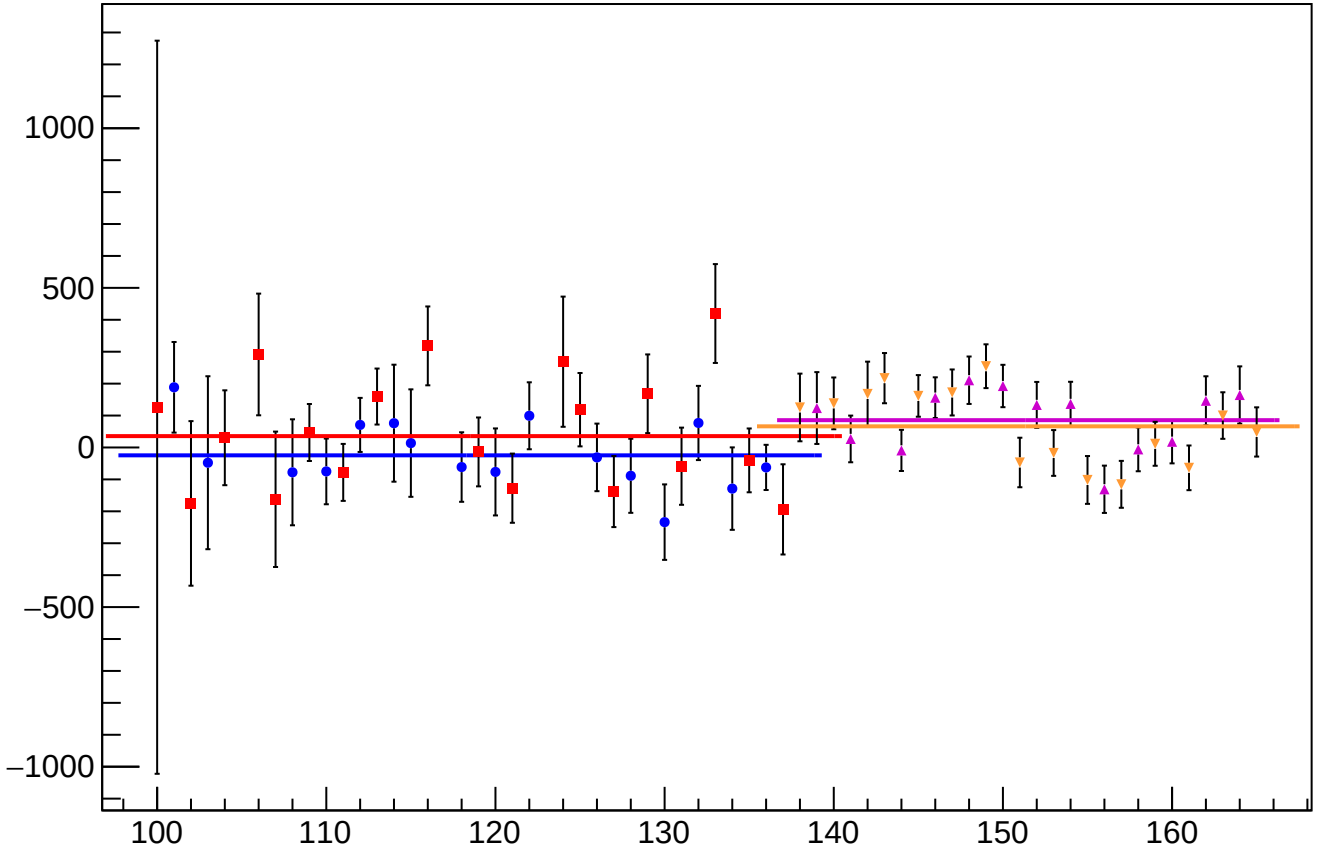
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7251374.1/28

Out: 0.000+/-0.000 χ^2/NDF:11078942.2/33

All: 0.000+/-0.000 χ^2/NDF: 18531222.0/62

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.241+/-19.474 χ^2/NDF:36.6/14

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 85.547+/-20.122 χ^2/NDF:23.3/12

Left: 75.579+/-13.994 χ^2/NDF: 60.4/27

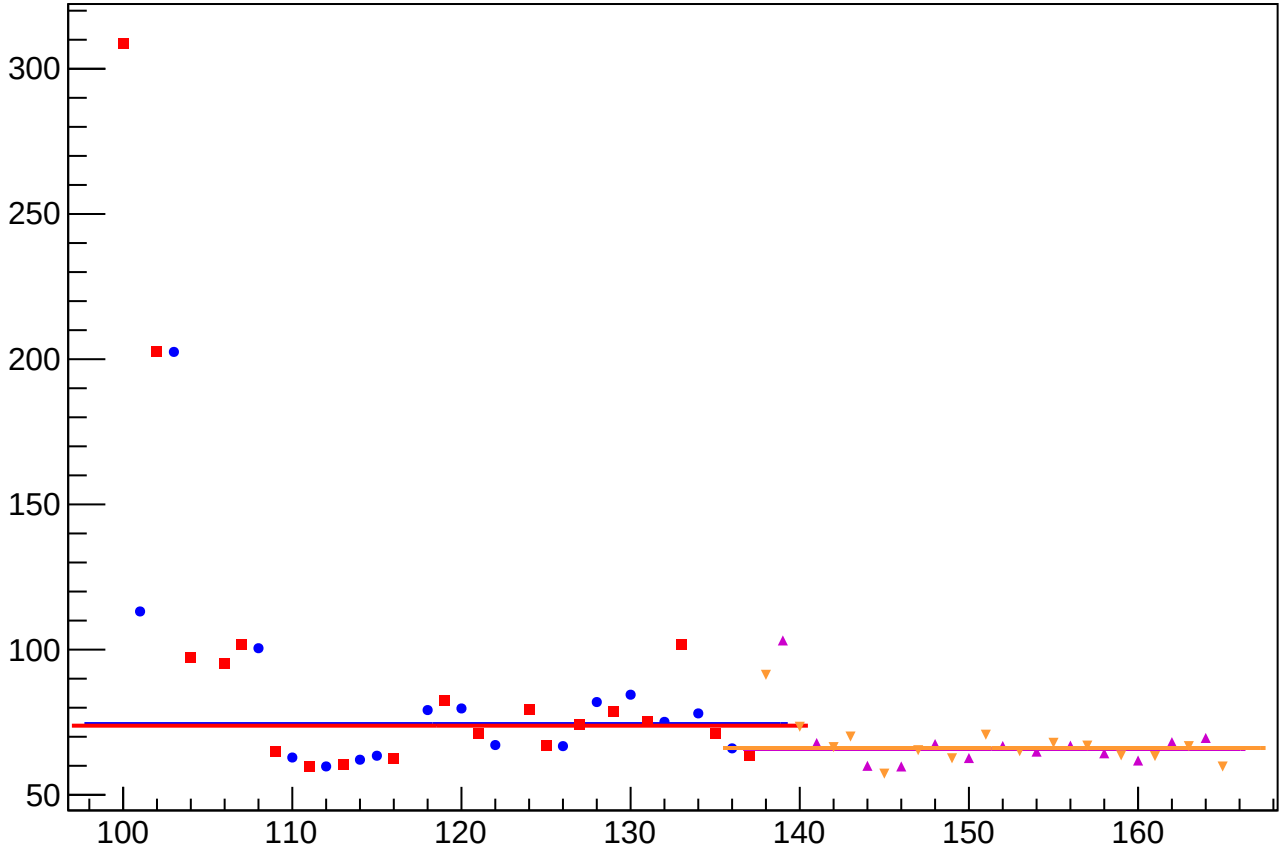
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 49.595+/-16.516 χ^2/NDF:44.1/28

Out: 56.461+/-16.071 χ^2/NDF:67.5/33

All: 53.122+/-11.518 χ^2/NDF: 111.7/62

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.3/12

Left: 65.961+/-0.010 χ^2/NDF: 481690.9/27

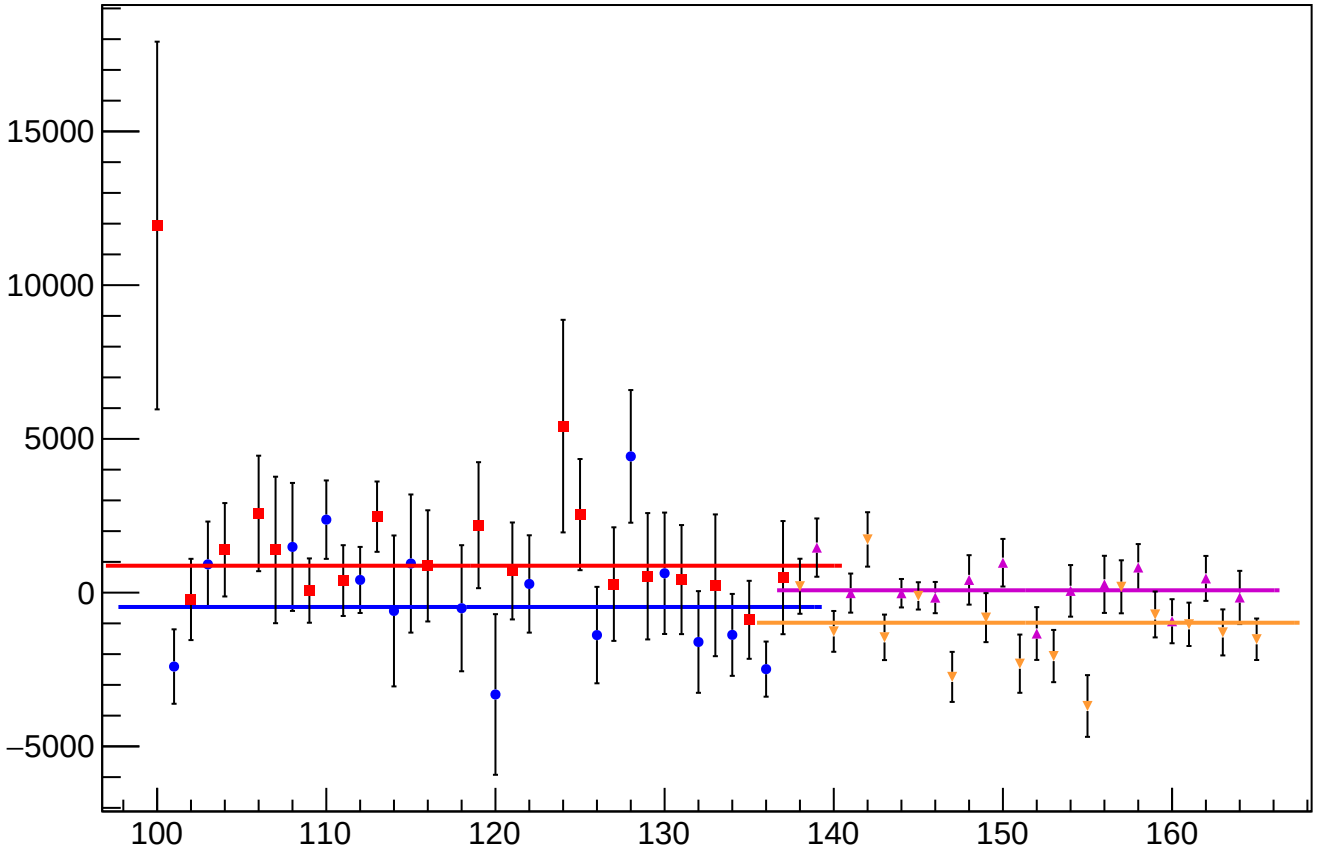
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.586+/-0.012 χ^2/NDF:1222565.5/28

Out: 68.579+/-0.011 χ^2/NDF:1236596.0/33

All: 68.582+/-0.008 χ^2/NDF: 2459161.7/62

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: -978.808+/-190.997 χ^2/NDF:34.0/14

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 76.399+/-195.525 χ^2/NDF:9.9/12

Left: -463.563+/-136.628 χ^2/NDF: 58.8/27

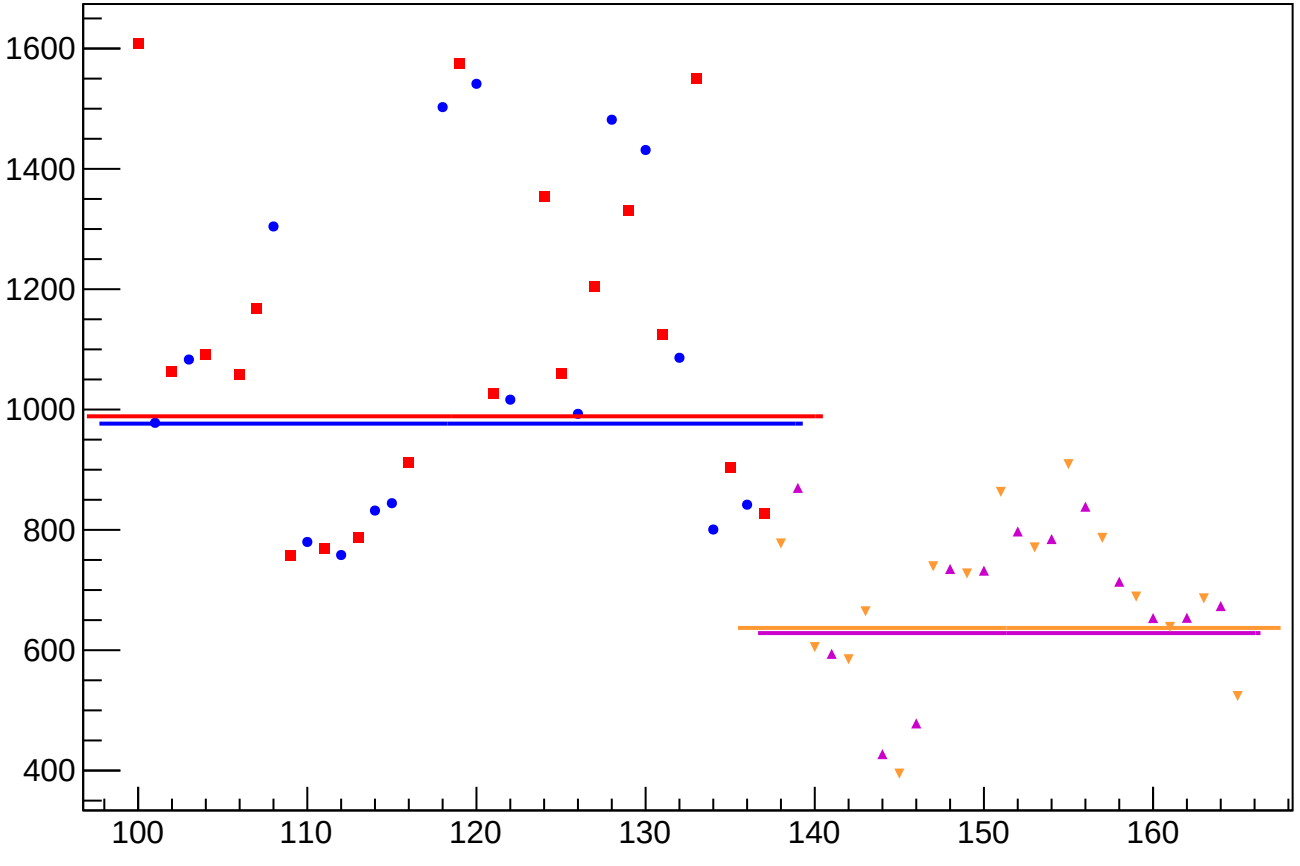
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -39.635+/-173.376 χ^2/NDF:35.3/28

Out: -592.388+/-169.933 χ^2/NDF:66.7/33

All: -321.555+/-121.360 χ^2/NDF: 107.1/62

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: 637.030+/-0.135 χ^2/NDF:1161506.9/14

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 628.468+/-0.138 χ^2/NDF:1043257.9/12

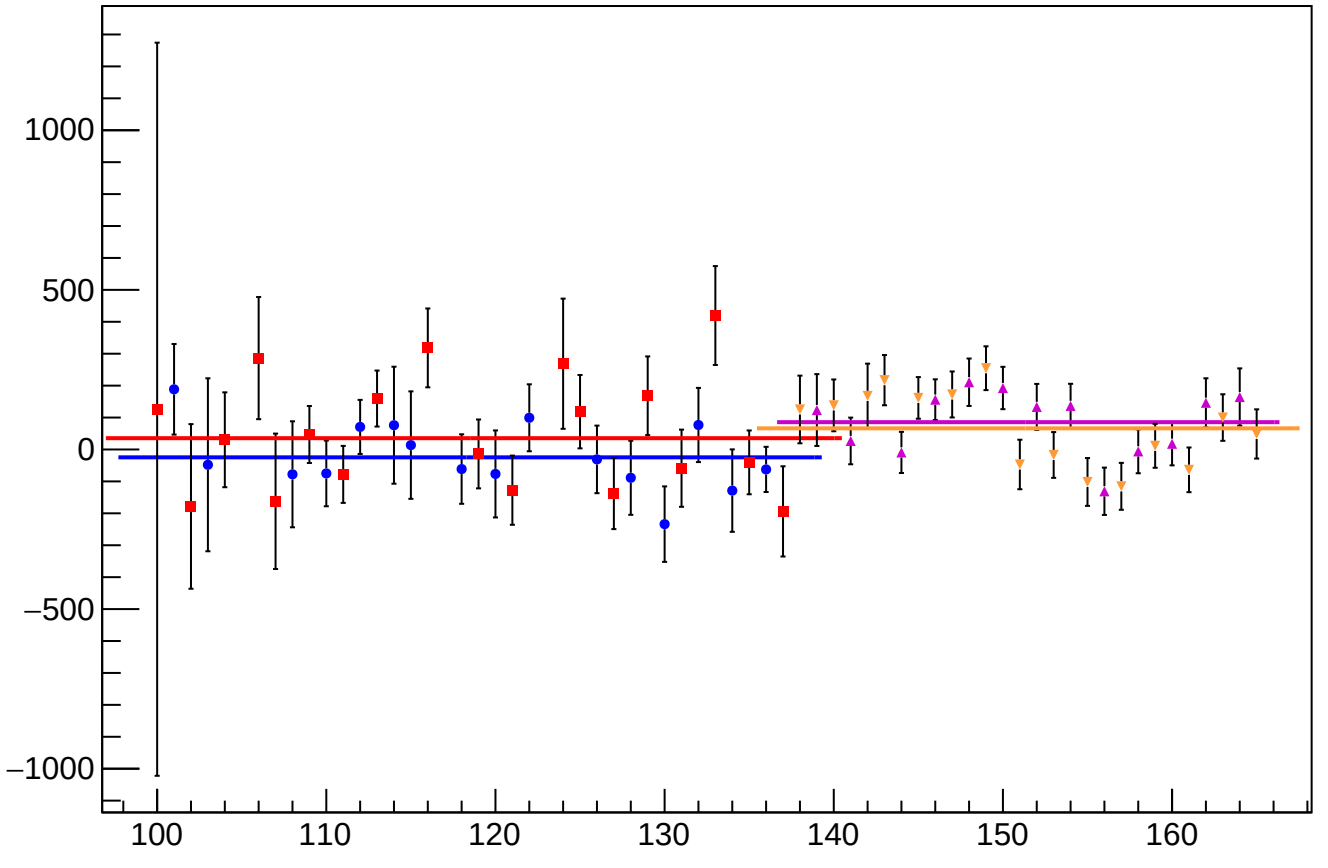
Left: 632.849+/-0.097 χ^2/NDF: 2206727.5/27

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 702.867+/-0.123 χ^2/NDF:3134802.9/28

Out: 710.334+/-0.120 χ^2/NDF:3290773.4/33

All: 706.675+/-0.086 χ^2/NDF: 6427468.2/62



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.245+/-19.474 χ^2/NDF:36.6/14

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 85.548+/-20.122 χ^2/NDF:23.3/12

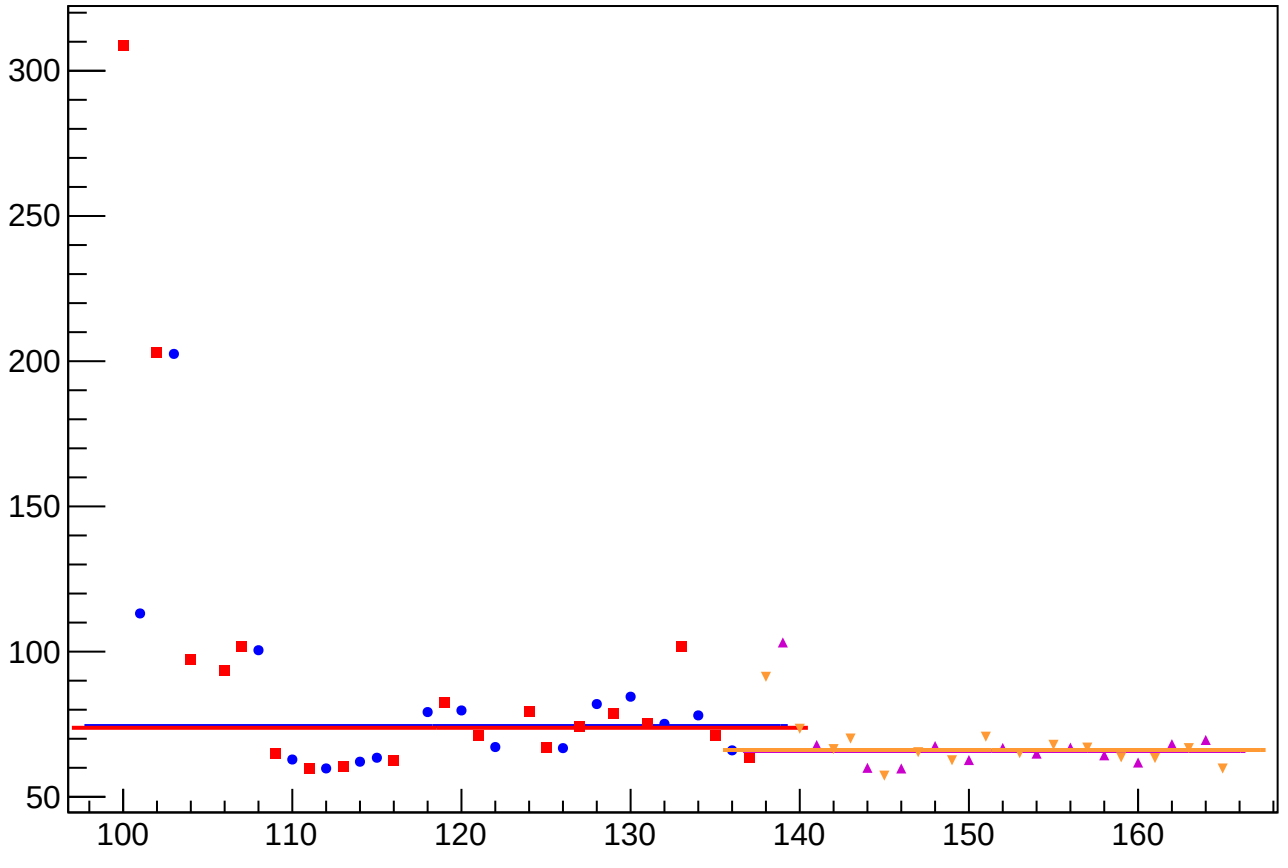
Left: 75.581+/-13.994 χ^2/NDF: 60.4/27

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 49.593+/-16.516 χ^2/NDF:44.1/28

Out: 56.402+/-16.071 χ^2/NDF:67.4/33

All: 53.090+/-11.518 χ^2/NDF: 111.6/62



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

Left: 65.961+/-0.010 χ^2/NDF: 481690.9/27

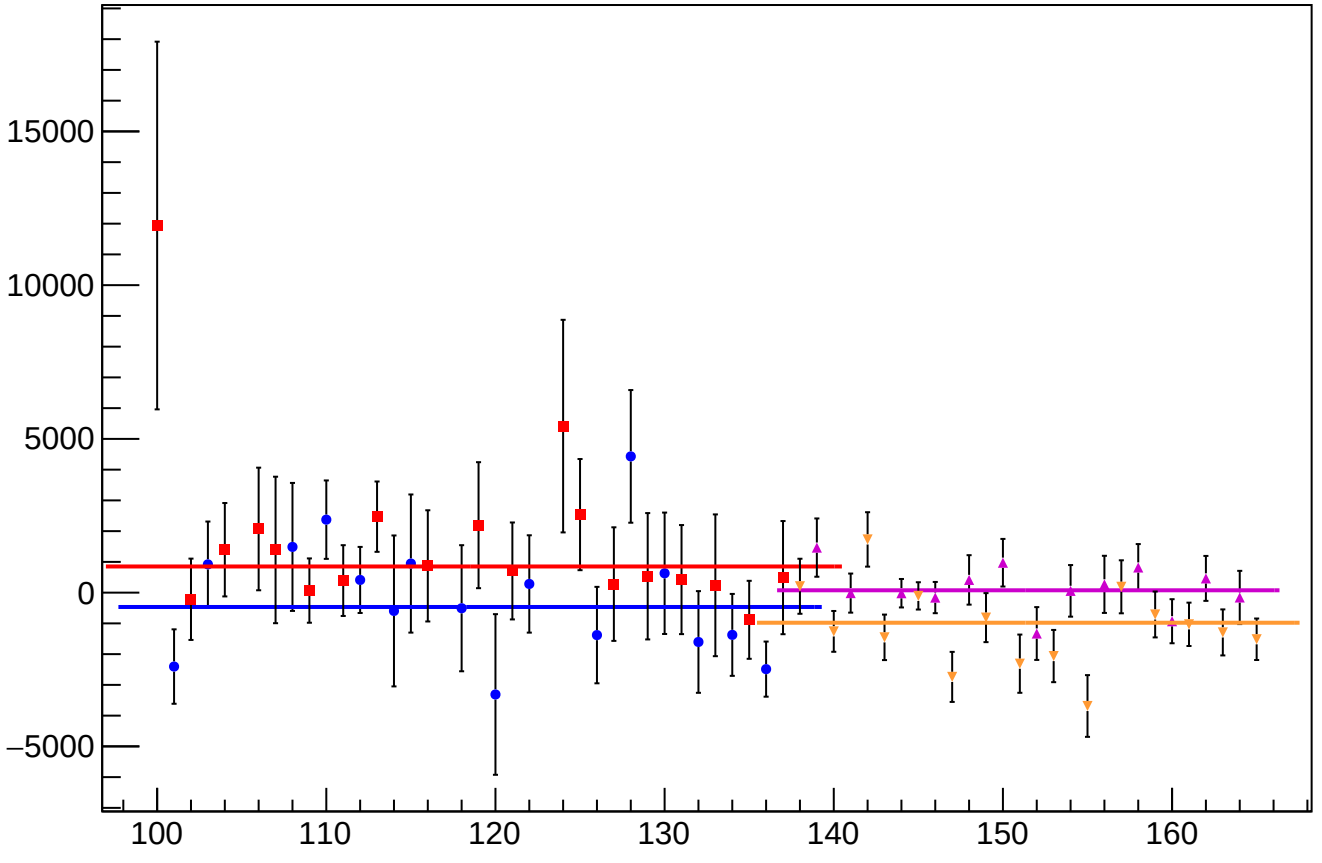
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.586+/-0.012 χ^2/NDF:1222567.4/28

Out: 68.565+/-0.011 χ^2/NDF:1231717.3/33

All: 68.575+/-0.008 χ^2/NDF: 2454286.4/62

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: -978.806+/-190.997 χ^2/NDF:34.0/14

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 76.400+/-195.525 χ^2/NDF:9.9/12

Left: -463.561+/-136.628 χ^2/NDF: 58.8/27

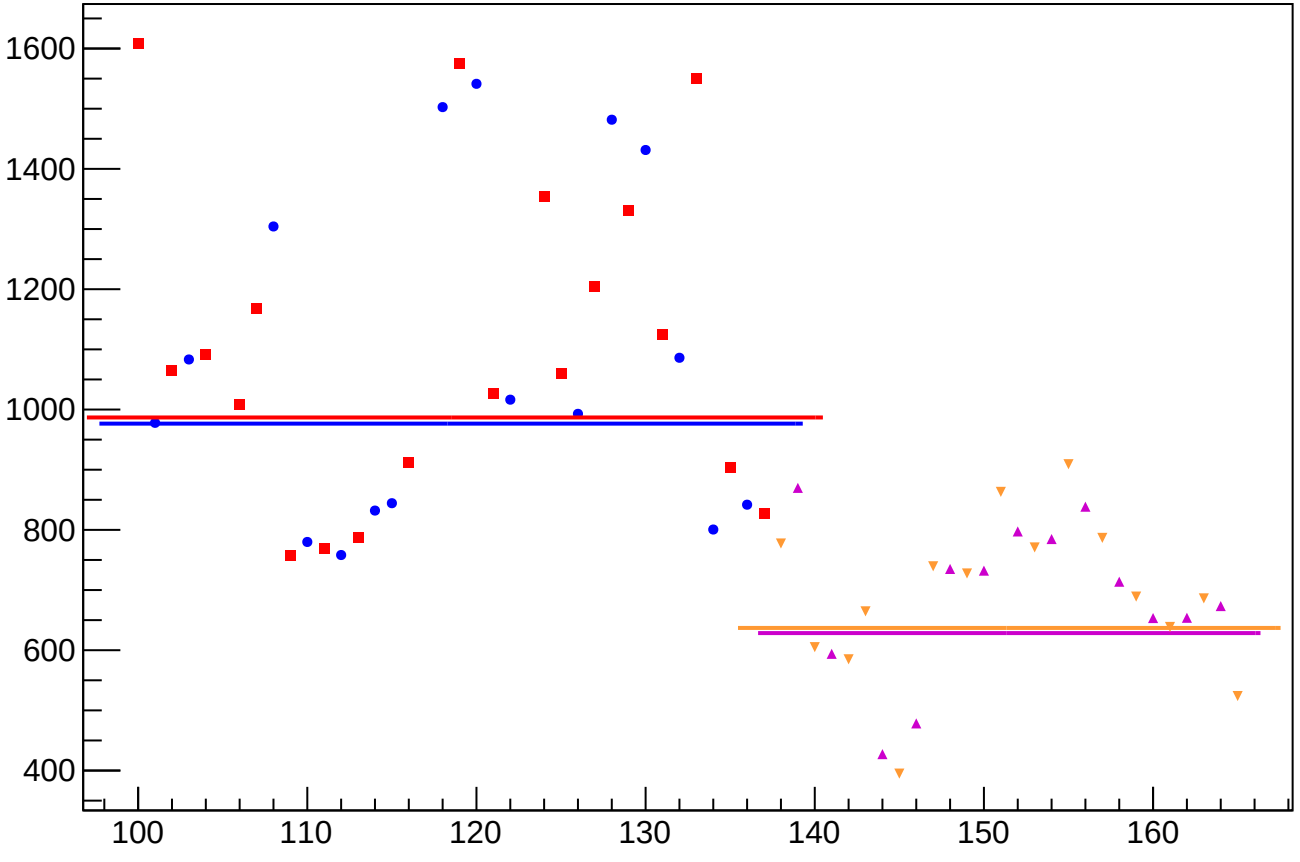
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.630+/-173.377 χ^2/NDF:35.3/28

Out: -598.893+/-170.014 χ^2/NDF:65.6/33

All: -324.737+/-121.389 χ^2/NDF: 106.2/62

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.7/14

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

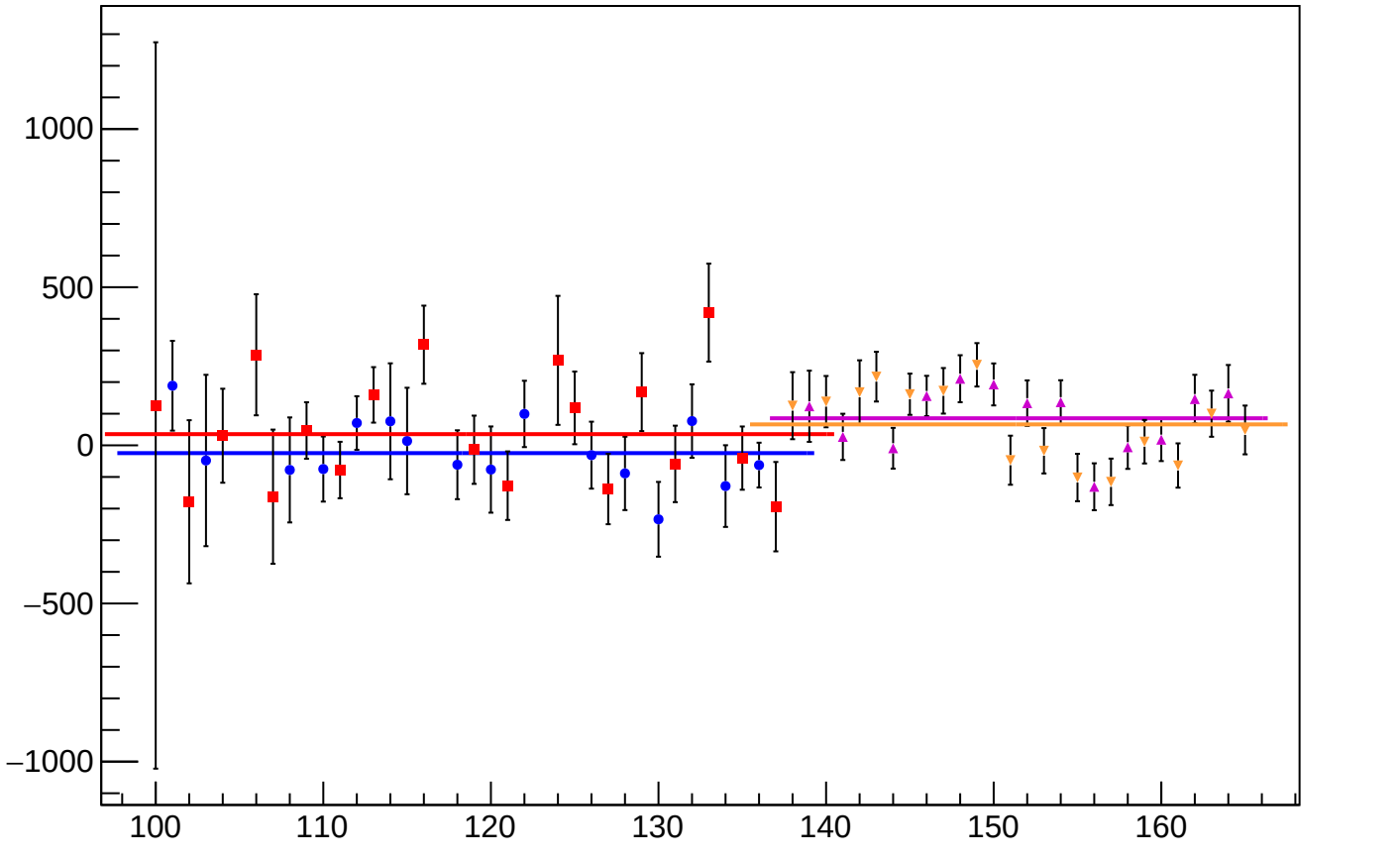
Left: 632.849+/-0.097 χ^2/NDF: 2206728.1/27

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 702.867+/-0.123 χ^2/NDF:3134858.9/28

Out: 709.665+/-0.120 χ^2/NDF:3267777.1/33

All: 706.333+/-0.086 χ^2/NDF: 6404203.5/62



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.245+/-19.474 χ^2/NDF:36.6/14

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 85.548+/-20.122 χ^2/NDF:23.3/12

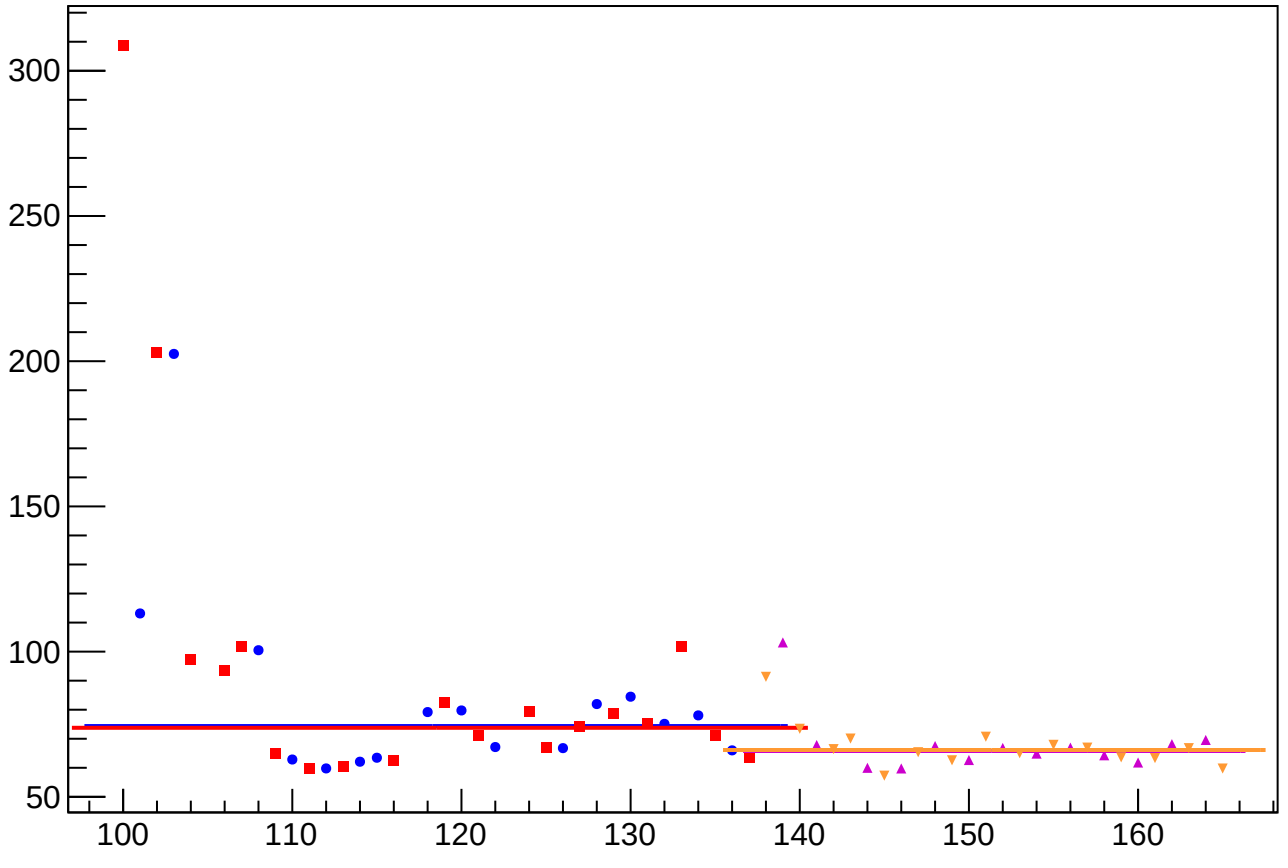
Left: 75.581+/-13.994 χ^2/NDF: 60.4/27

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 49.593+/-16.516 χ^2/NDF:44.1/28

Out: 56.402+/-16.071 χ^2/NDF:67.4/33

All: 53.090+/-11.518 χ^2/NDF: 111.6/62



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

Left: 65.961+/-0.010 χ^2/NDF: 481690.9/27

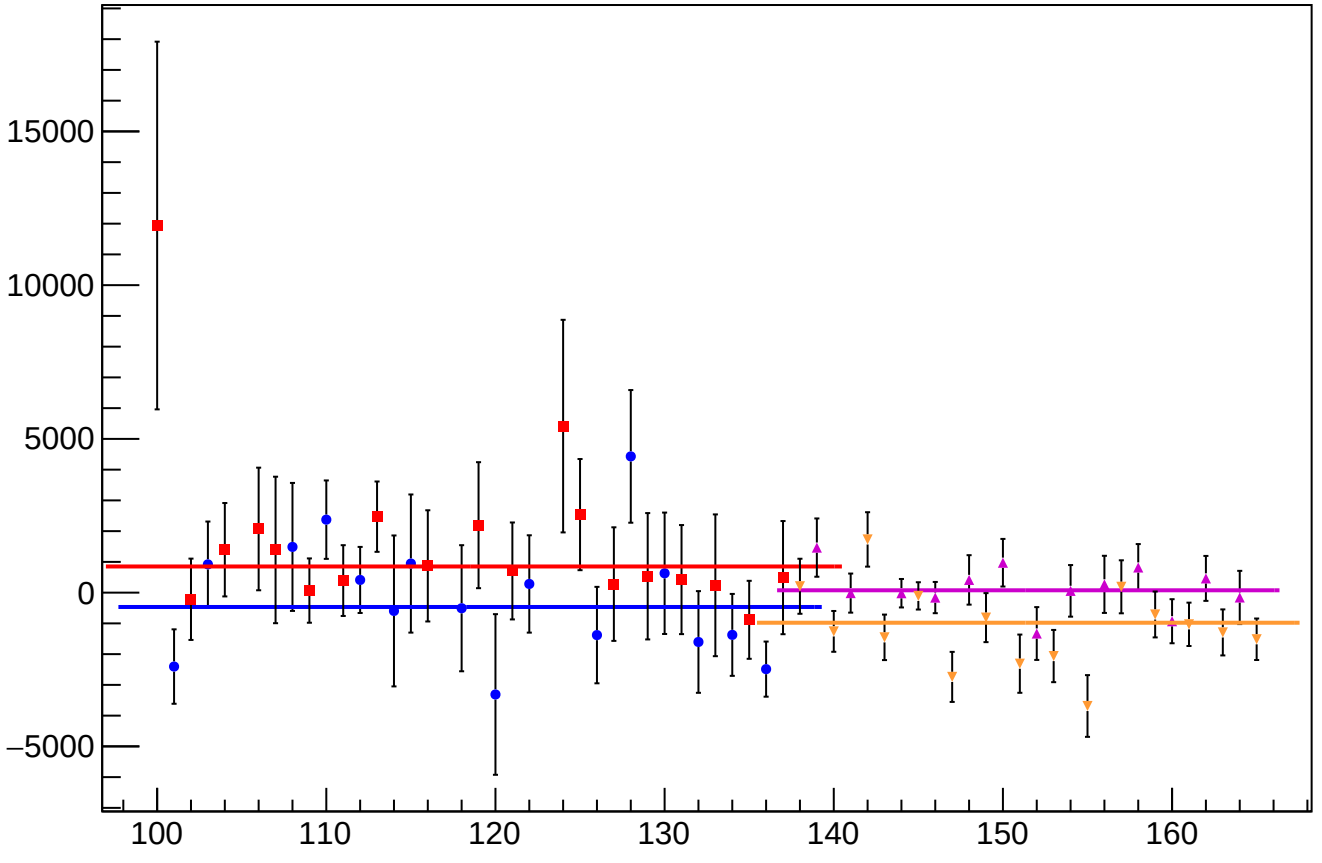
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.586+/-0.012 χ^2/NDF:1222567.4/28

Out: 68.565+/-0.011 χ^2/NDF:1231717.3/33

All: 68.575+/-0.008 χ^2/NDF: 2454286.4/62

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: -978.806+/-190.997 χ^2/NDF:34.0/14

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 76.400+/-195.525 χ^2/NDF:9.9/12

Left: -463.561+/-136.628 χ^2/NDF: 58.8/27

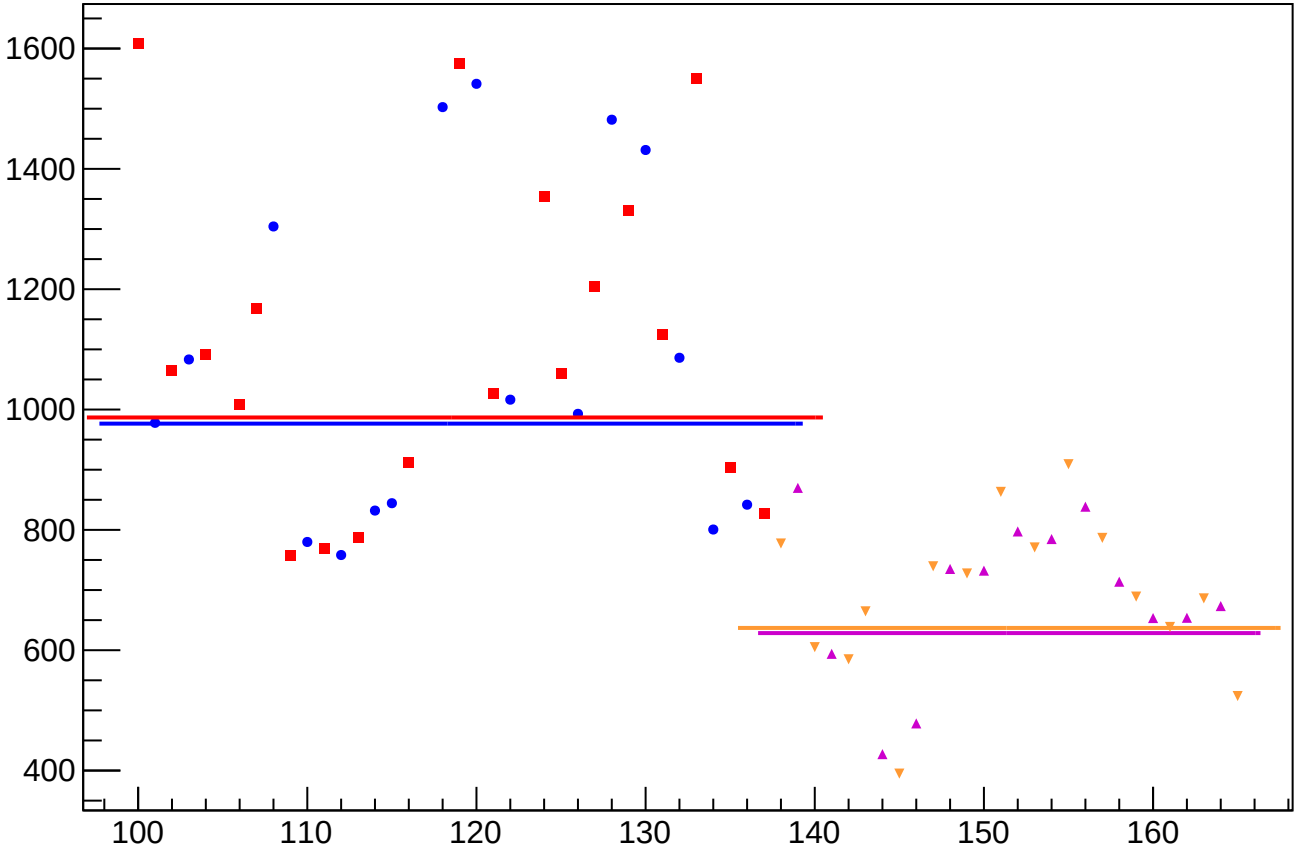
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.630+/-173.377 χ^2/NDF:35.3/28

Out: -598.893+/-170.014 χ^2/NDF:65.6/33

All: -324.737+/-121.389 χ^2/NDF: 106.2/62

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: 637.030+/-0.135 χ^2/NDF:1161506.7/14

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

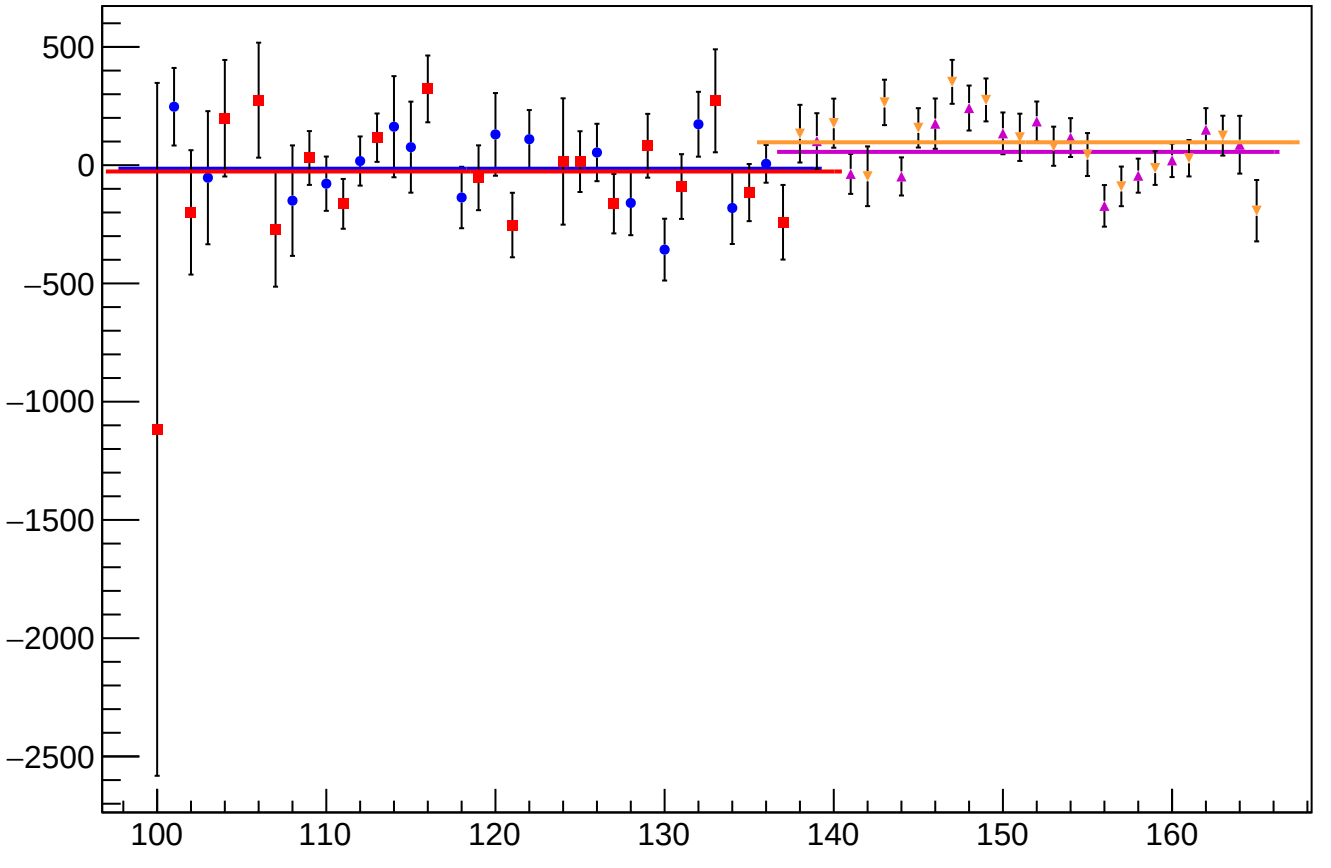
Left: 632.849+/-0.097 χ^2/NDF: 2206728.1/27

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 702.867+/-0.123 χ^2/NDF:3134858.9/28

Out: 709.665+/-0.120 χ^2/NDF:3267777.1/33

All: 706.333+/-0.086 χ^2/NDF: 6404203.5/62



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 96.848+/-23.639 χ^2/NDF:30.6/14

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 56.183+/-24.303 χ^2/NDF:21.8/12

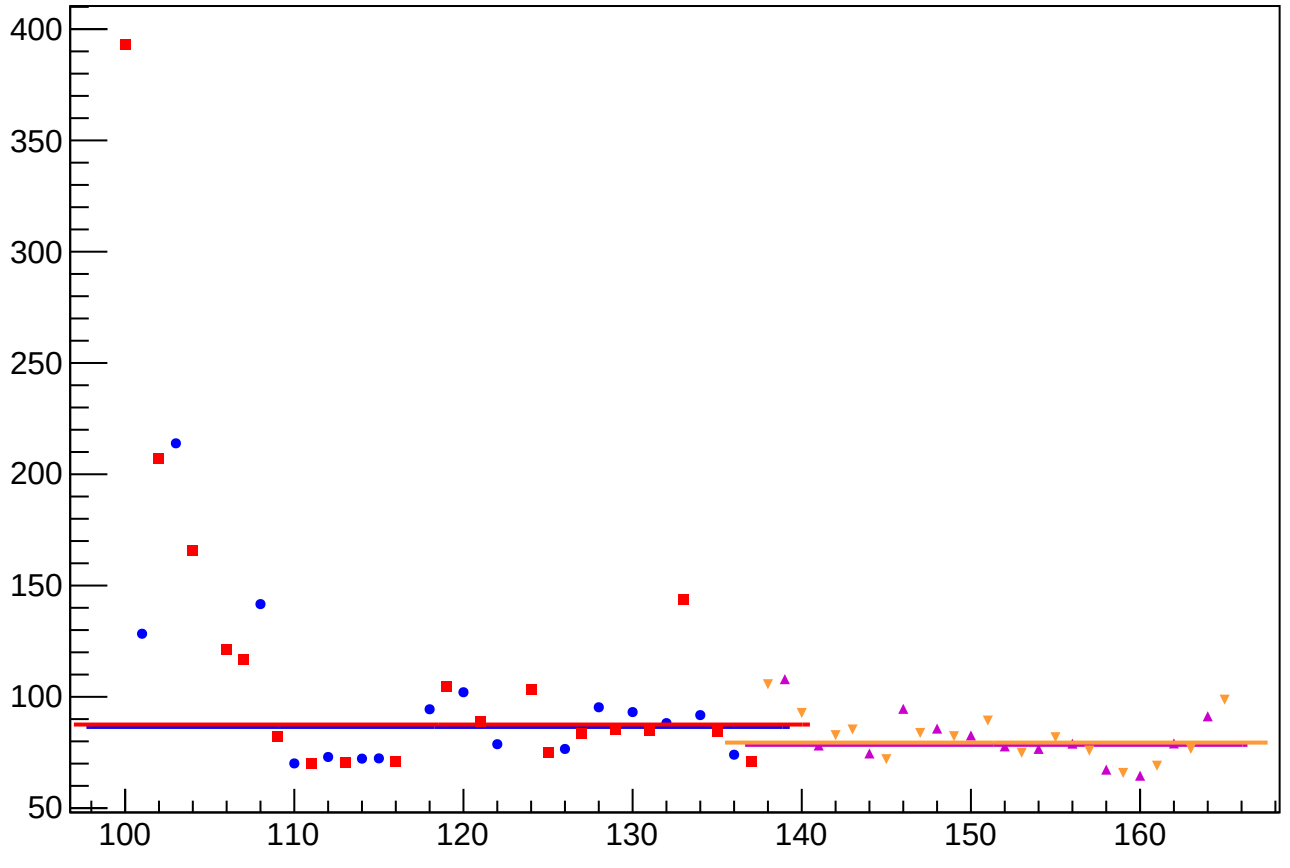
Left: 77.079+/-16.945 χ^2/NDF: 53.9/27

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 31.903+/-19.724 χ^2/NDF:43.0/28

Out: 56.718+/-19.423 χ^2/NDF:63.1/33

All: 44.501+/-13.839 χ^2/NDF: 106.9/62



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 79.448+/-0.017 χ^2/NDF:343637.7/14

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 78.431+/-0.017 χ^2/NDF:340589.1/12

Left: 78.953+/-0.012 χ^2/NDF: 686025.5/27

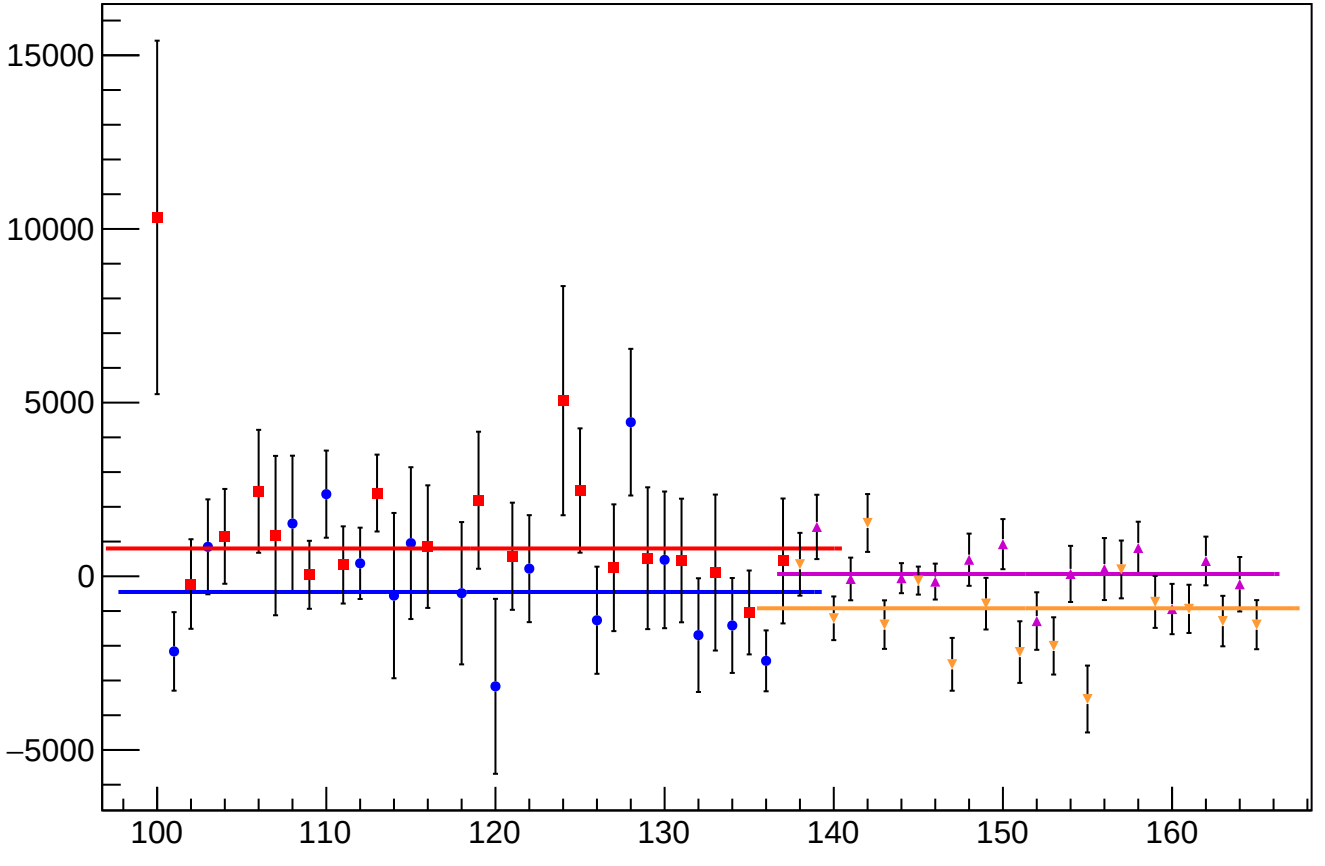
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 81.181+/-0.014 χ^2/NDF:1271897.7/28

Out: 82.082+/-0.014 χ^2/NDF:1549864.8/33

All: 81.638+/-0.010 χ^2/NDF: 2823879.3/62

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -920.567+/-182.715 χ^2/NDF:33.4/14

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 66.517+/-188.451 χ^2/NDF:10.2/12

Left: -442.275+/-131.180 χ^2/NDF: 57.8/27

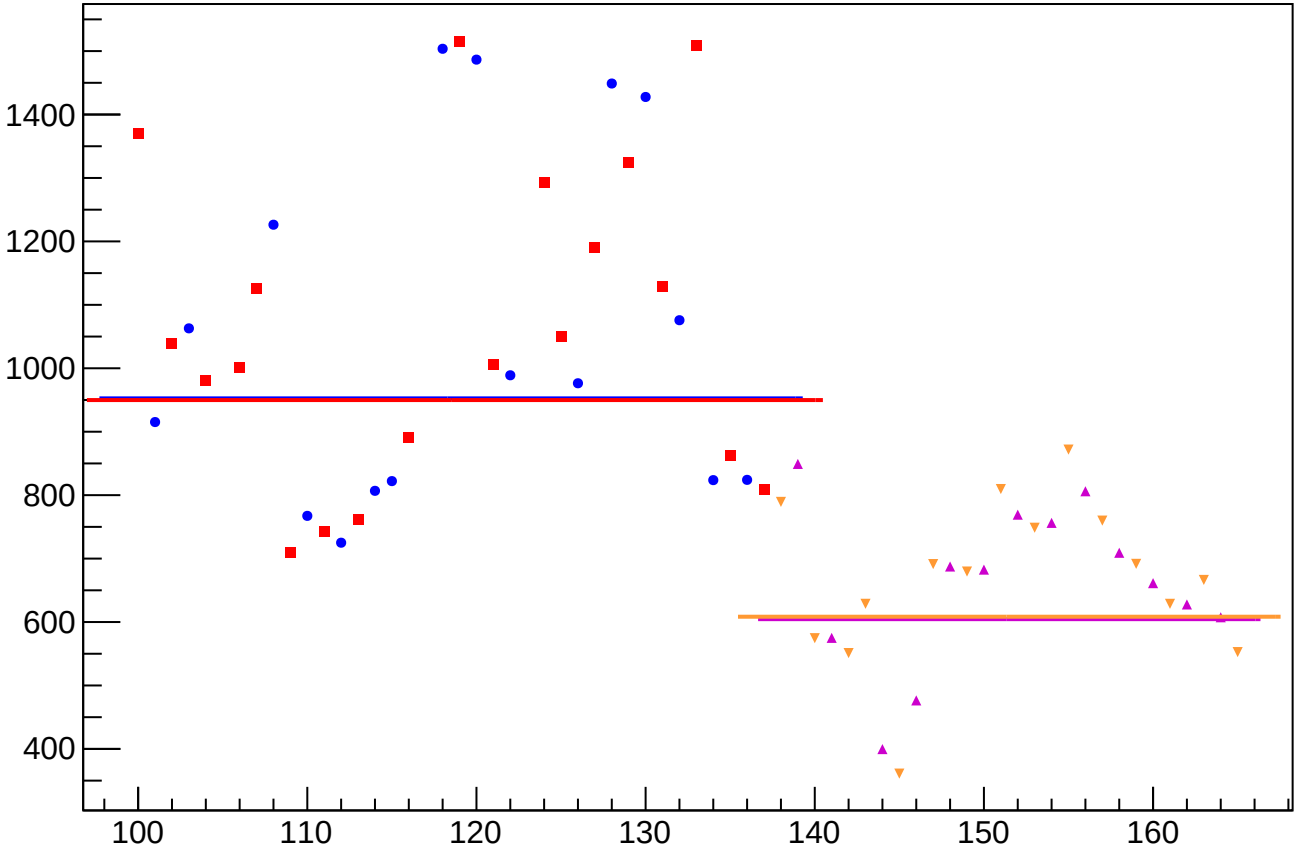
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -42.198+/-167.508 χ^2/NDF:35.5/28

Out: -564.543+/-162.732 χ^2/NDF:65.4/33

All: -310.923+/-116.721 χ^2/NDF: 106.0/62

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 608.377+/-0.129 χ^2/NDF:1320356.6/14

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 604.534+/-0.133 χ^2/NDF:1067643.0/12

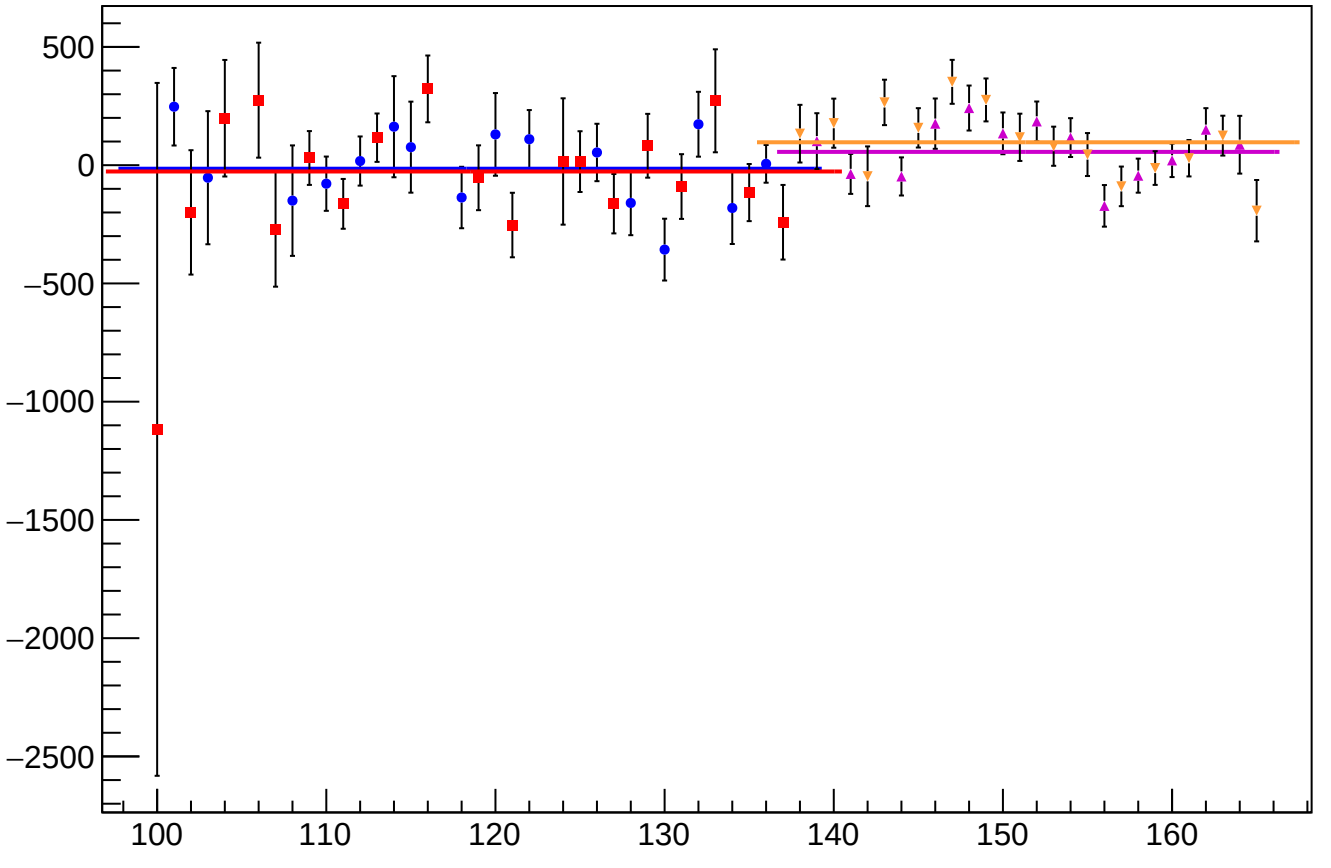
Left: 606.515+/-0.093 χ^2/NDF: 2388428.2/27

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 677.588+/-0.118 χ^2/NDF:3245776.1/28

Out: 678.994+/-0.115 χ^2/NDF:3516818.6/33

All: 678.312+/-0.083 χ^2/NDF: 6762667.2/62



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 96.850+/-23.639 χ^2/NDF:30.6/14

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 56.183+/-24.303 χ^2/NDF:21.8/12

Left: 77.079+/-16.945 χ^2/NDF: 53.9/27

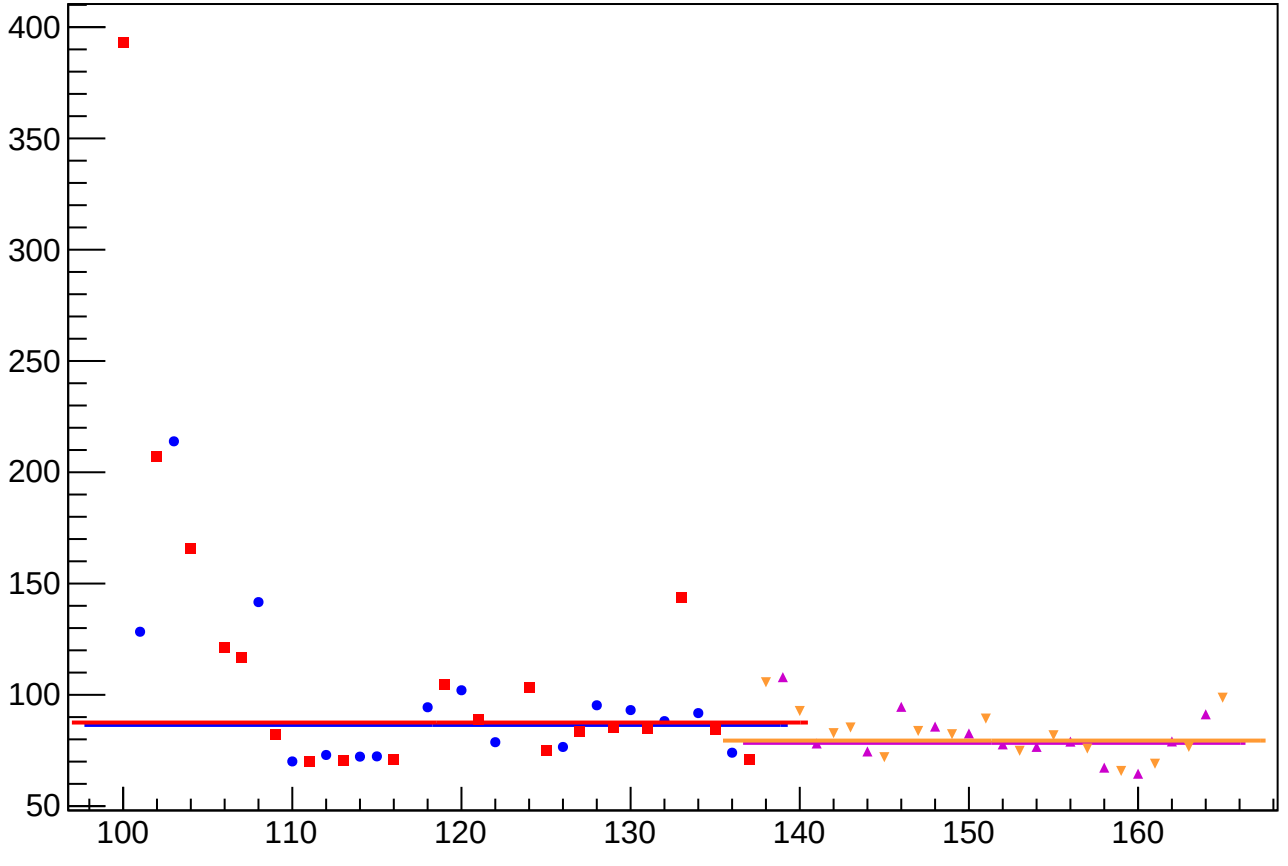
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 31.902+/-19.724 χ^2/NDF:43.0/28

Out: 56.718+/-19.423 χ^2/NDF:63.1/33

All: 44.501+/-13.839 χ^2/NDF: 106.9/62

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 79.448+/-0.017 χ^2/NDF:343640.4/14

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 78.431+/-0.017 χ^2/NDF:340594.8/12

Left: 78.954+/-0.012 χ^2/NDF: 686034.2/27

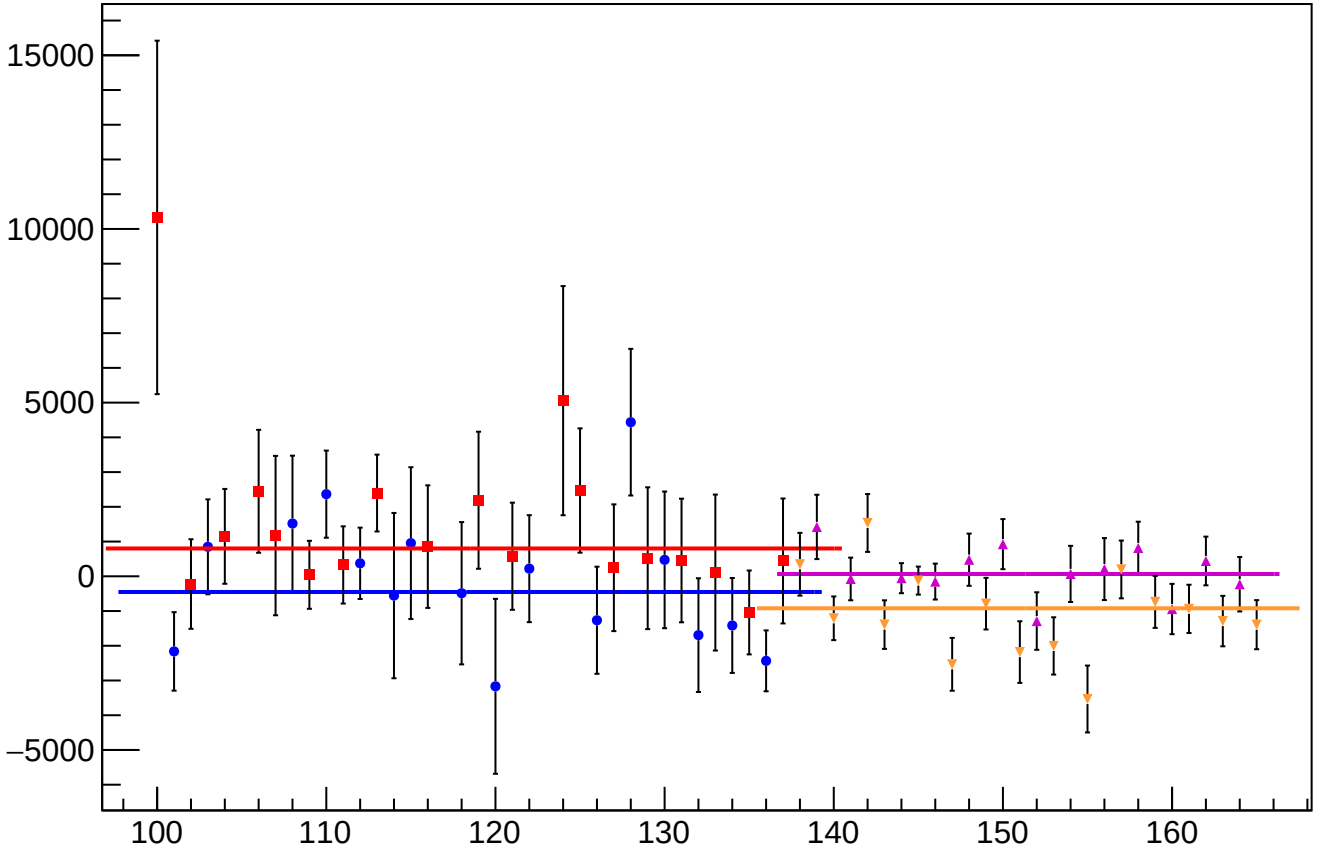
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 81.182+/-0.014 χ^2/NDF:1271896.5/28

Out: 82.082+/-0.014 χ^2/NDF:1549867.0/33

All: 81.639+/-0.010 χ^2/NDF: 2823880.7/62

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: -920.566+/-182.715 χ^2/NDF:33.4/14

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 66.516+/-188.451 χ^2/NDF:10.2/12

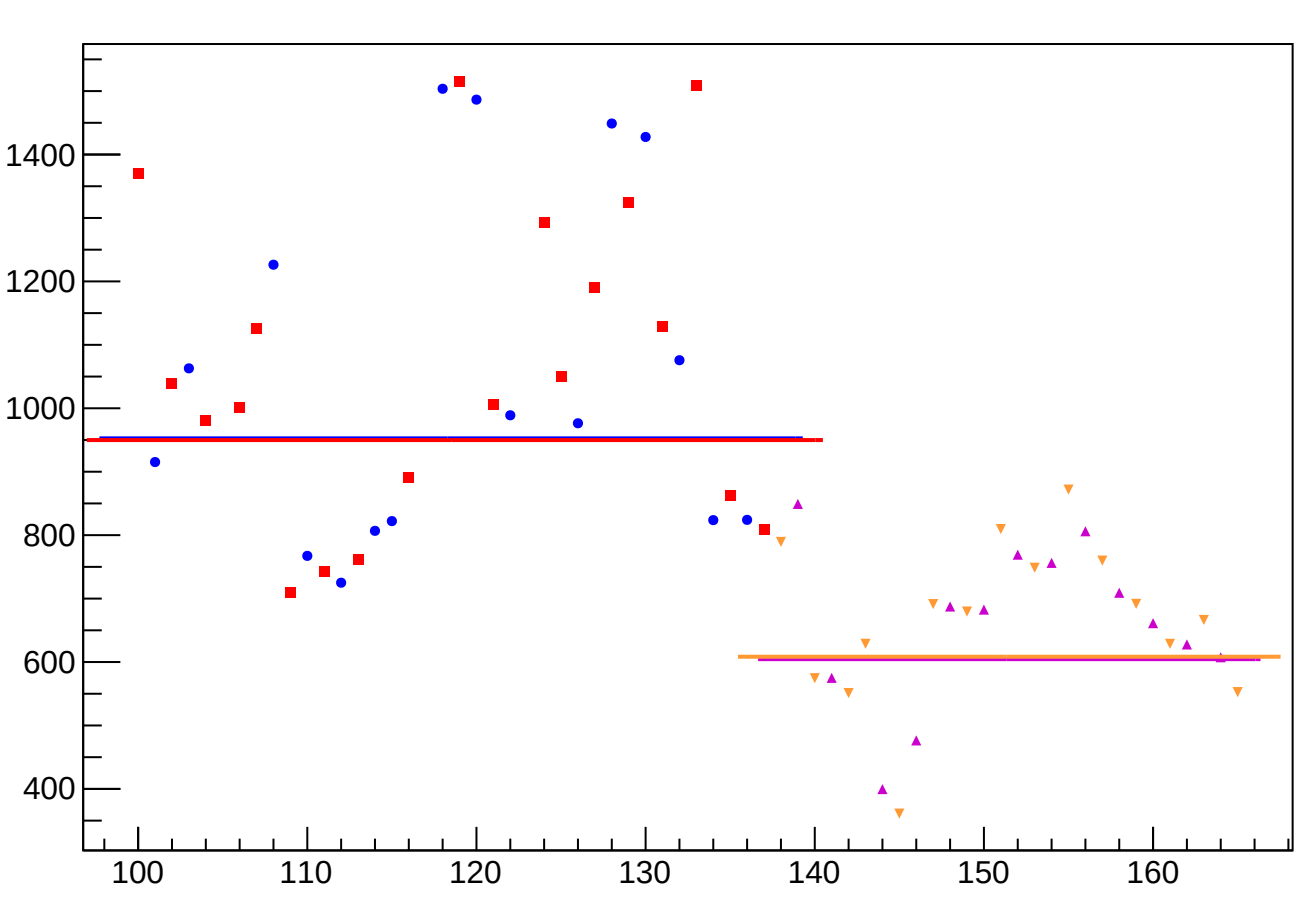
Left: -442.276+/-131.180 χ^2/NDF: 57.8/27

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -42.198+/-167.508 χ^2/NDF:35.5/28

Out: -564.542+/-162.731 χ^2/NDF:65.4/33

All: -310.923+/-116.721 χ^2/NDF: 106.0/62



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 608.376+/-0.129 χ^2/NDF:1320357.5/14

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 604.534+/-0.133 χ^2/NDF:1067642.4/12

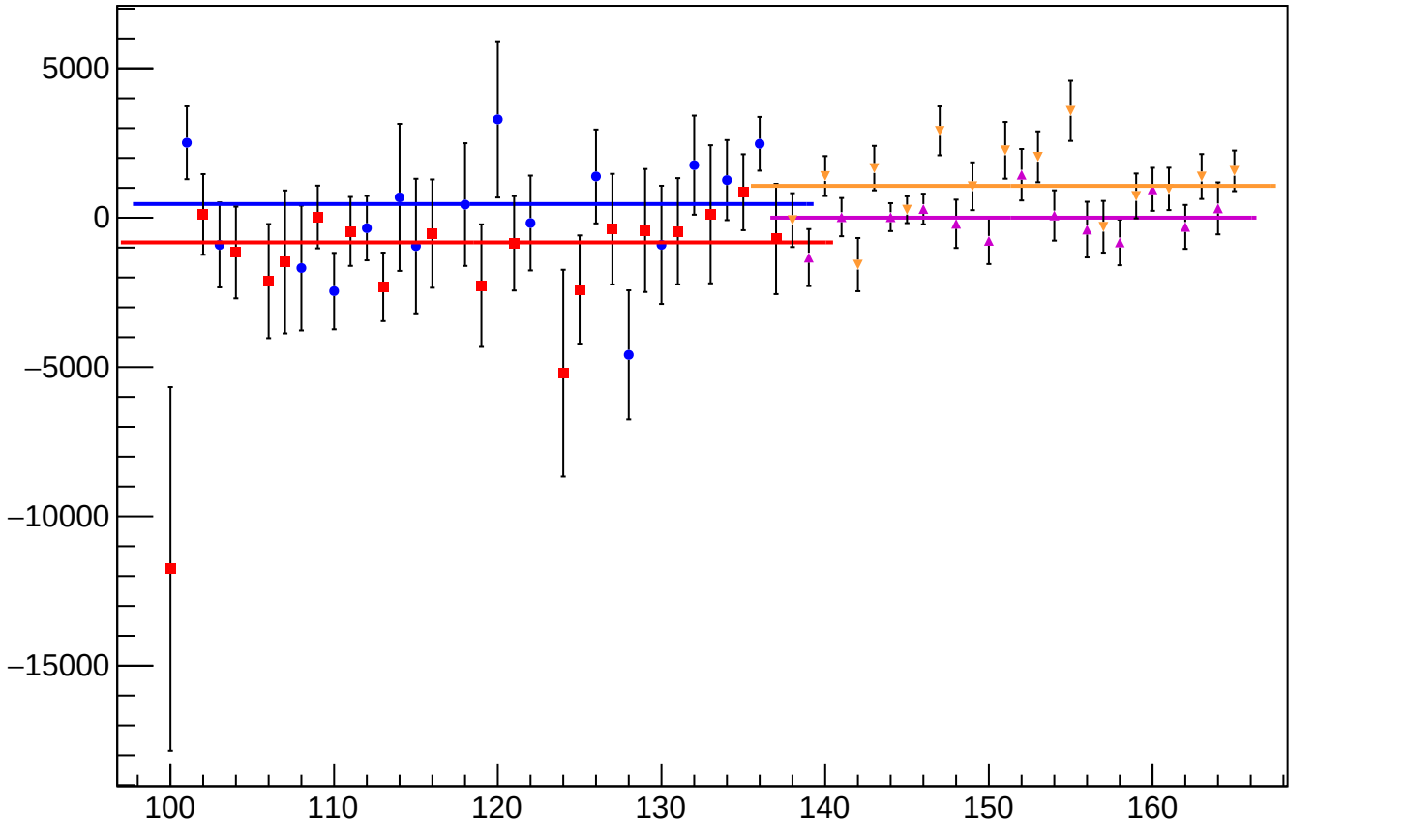
Left: 606.514+/-0.093 χ^2/NDF: 2388428.5/27

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 677.588+/-0.118 χ^2/NDF:3245773.4/28

Out: 678.993+/-0.115 χ^2/NDF:3516815.3/33

All: 678.311+/-0.083 χ^2/NDF: 6762661.1/62



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1066.313+/-192.195 χ^2/NDF:32.0/14

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 1.270+/-196.774 χ^2/NDF:9.5/12

Left: 546.328+/-137.493 χ^2/NDF: 56.6/27

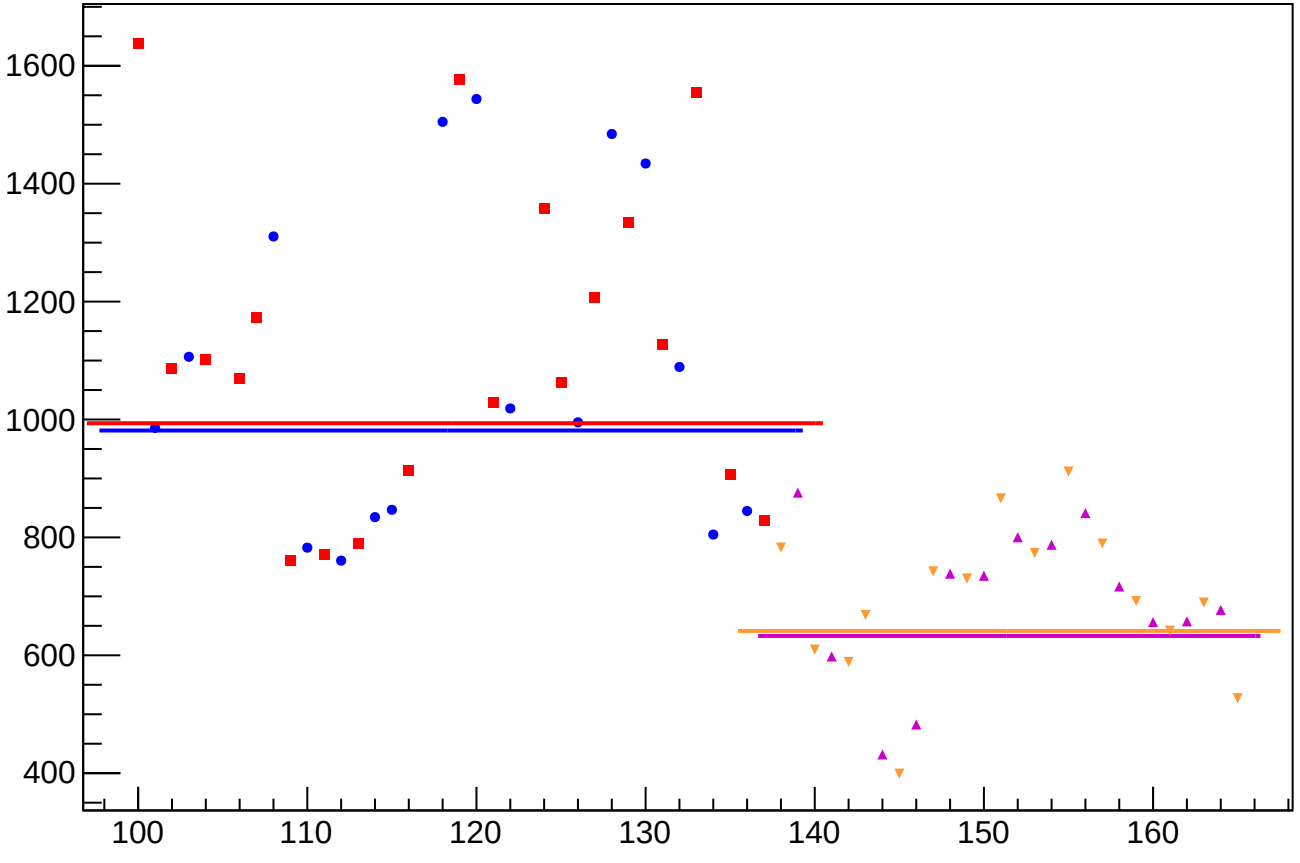
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 99.351+/-174.429 χ^2/NDF:35.3/28

Out: 671.282+/-170.967 χ^2/NDF:64.0/33

All: 391.049+/-122.098 χ^2/NDF: 104.7/62

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 641.365+/-0.136 χ^2/NDF:1136832.5/14

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 632.820+/-0.139 χ^2/NDF:1022226.7/12

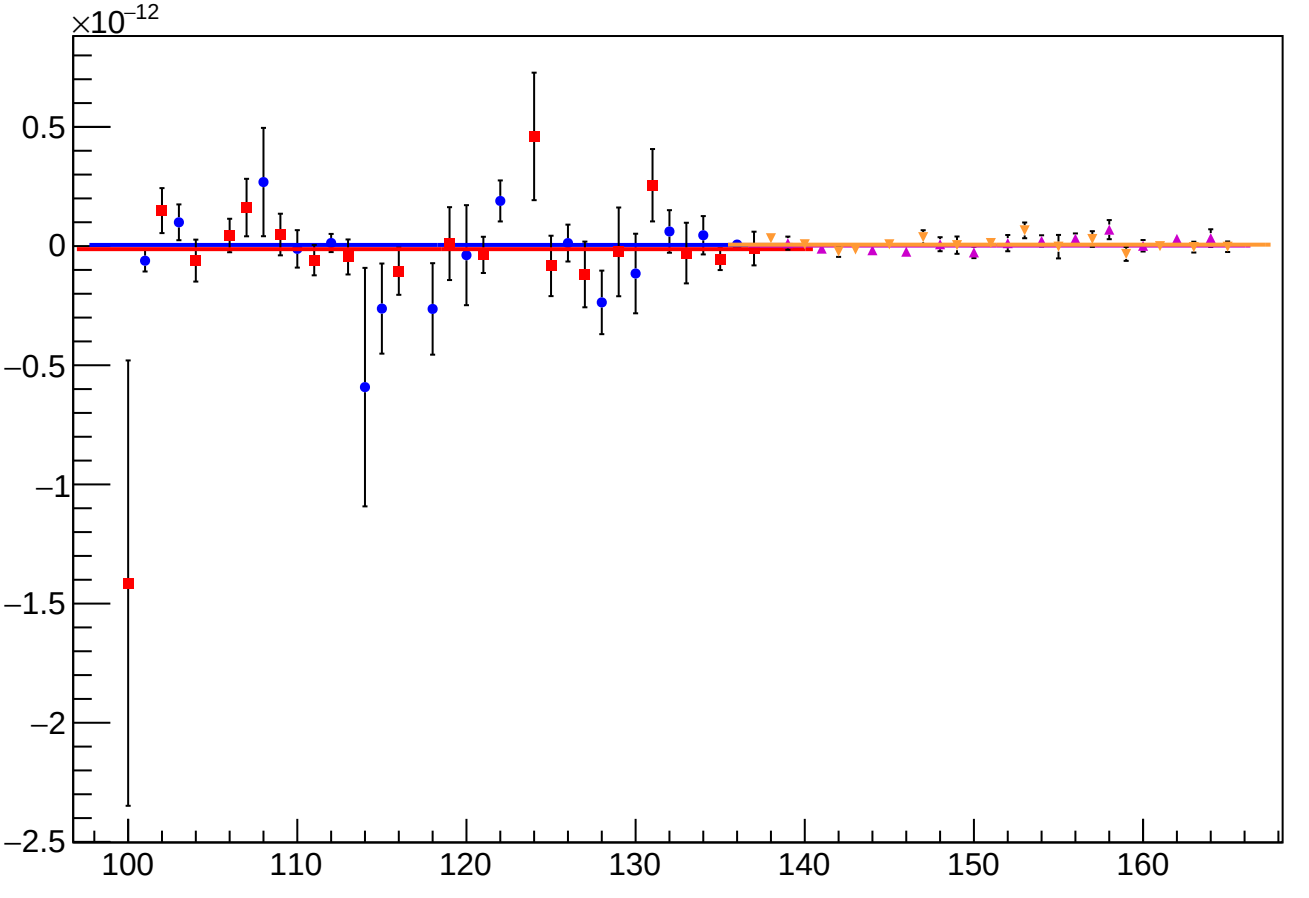
Left: 637.193+/-0.097 χ^2/NDF: 2160989.3/27

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 707.480+/-0.123 χ^2/NDF:3103923.3/28

Out: 714.893+/-0.121 χ^2/NDF:3259241.0/33

All: 711.261+/-0.086 χ^2/NDF: 6365006.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/12

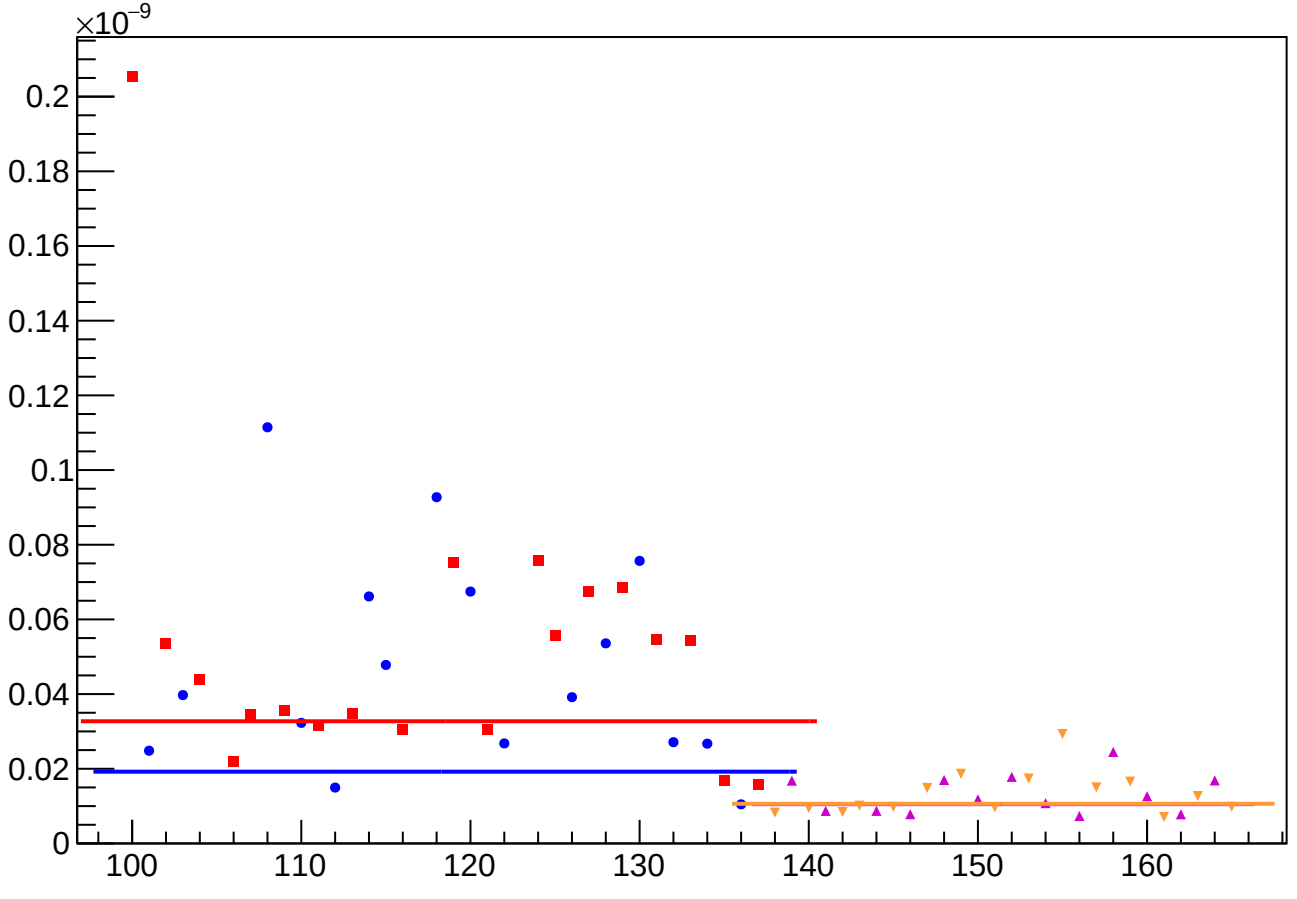
Left: 0.000+/-0.000 χ^2/NDF: 28.1/27

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:35.1/28

Out: 0.000+/-0.000 χ^2/NDF:31.7/33

All: 0.000+/-0.000 χ^2/NDF: 66.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:838884.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:822303.3/12

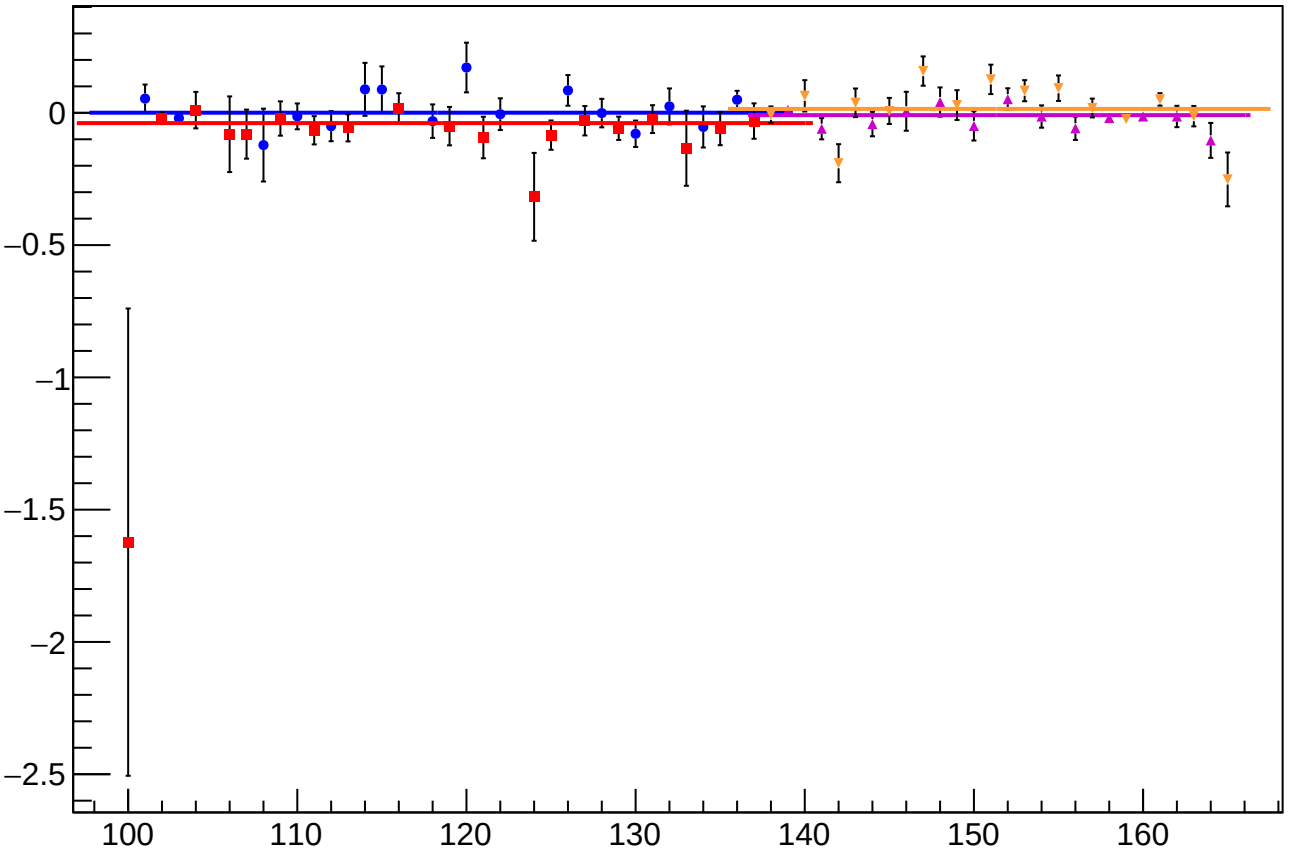
Left: 0.000+/-0.000 χ^2/NDF: 1661481.9/27

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3419111.9/28

Out: 0.000+/-0.000 χ^2/NDF:4132867.9/33

All: 0.000+/-0.000 χ^2/NDF: 7556130.7/62



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.001+/-0.006 χ^2/NDF: 56.6/27

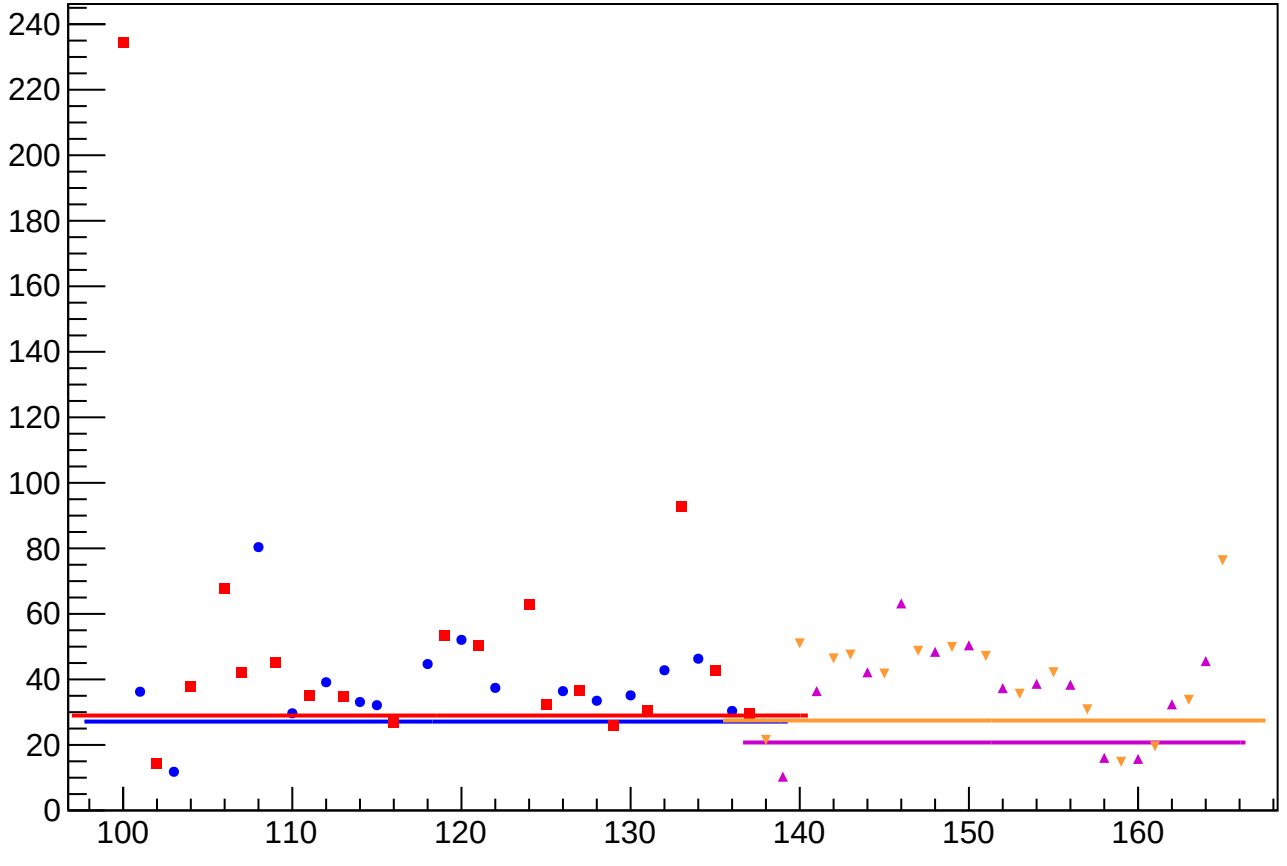
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.5/62

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.460+/-0.007 χ^2/NDF:4037920.6/14

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

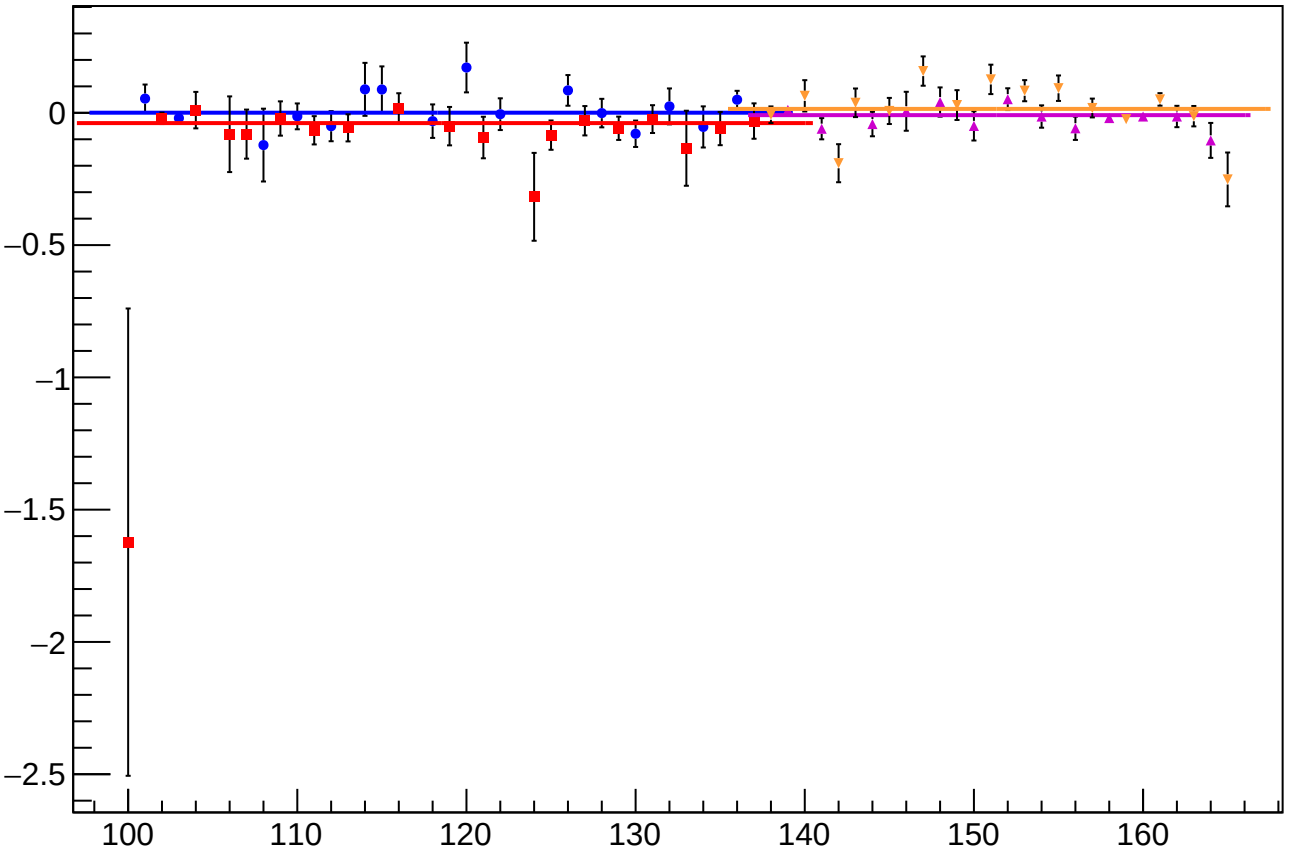
Left: 23.502+/-0.004 χ^2/NDF: 10074024.1/27

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.652+/-0.005 χ^2/NDF:8245303.7/28

Out: 28.002+/-0.005 χ^2/NDF:6512761.1/33

All: 24.959+/-0.004 χ^2/NDF: 15329952.9/62



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.001+/-0.006 χ^2/NDF: 56.6/27

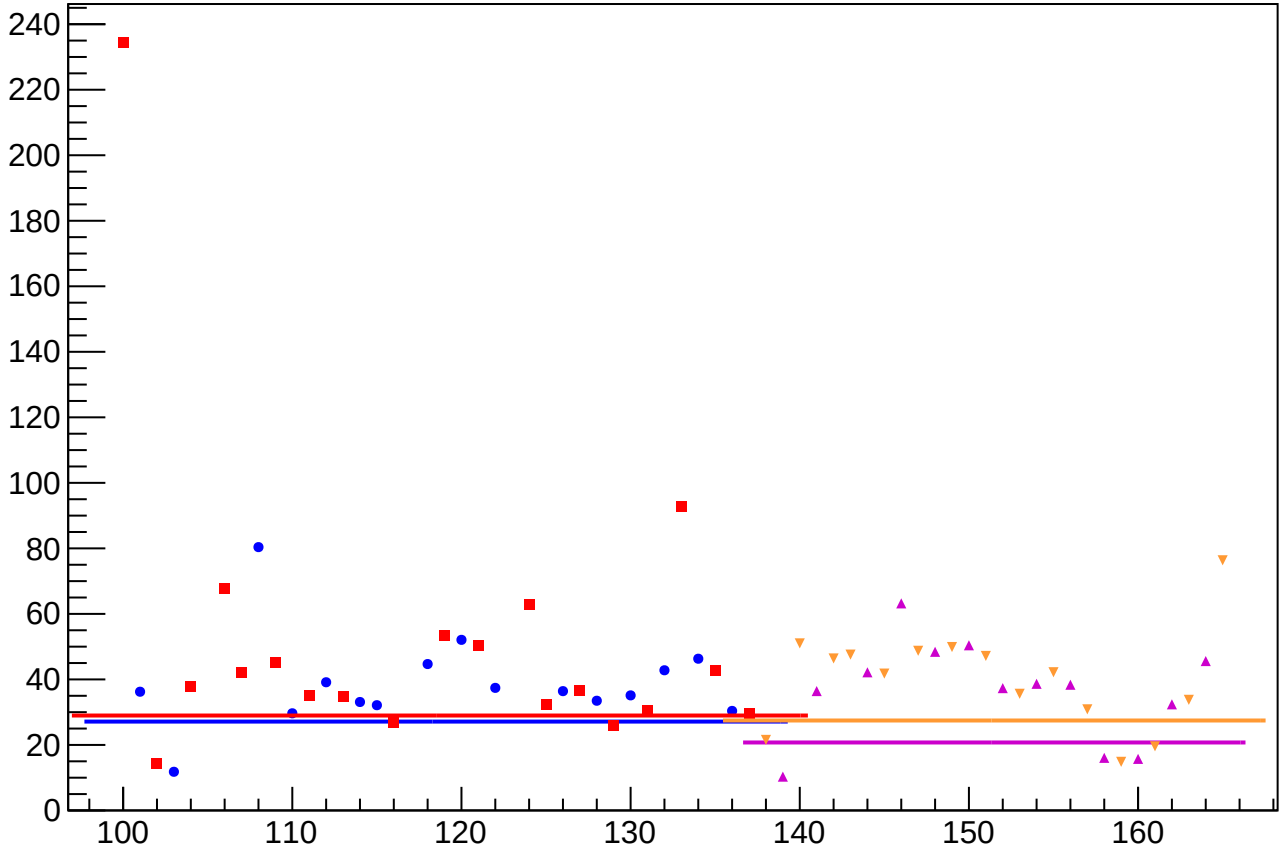
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.5/62

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: 27.460+/-0.007 χ^2/NDF:4037920.6/14

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

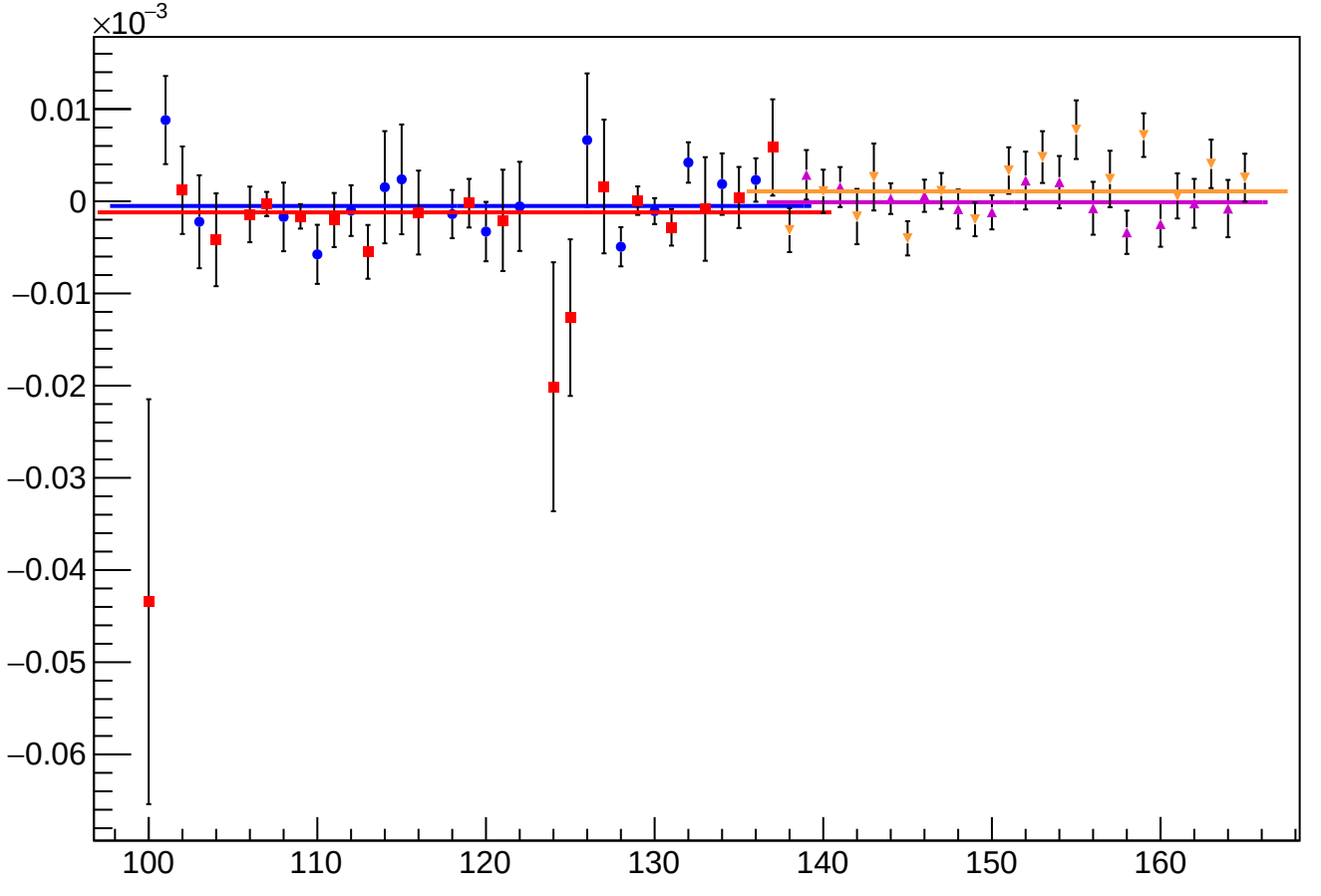
Left: 23.502+/-0.004 χ^2/NDF: 10074024.1/27

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.652+/-0.005 χ^2/NDF:8245303.7/28

Out: 28.002+/-0.005 χ^2/NDF:6512761.1/33

All: 24.959+/-0.004 χ^2/NDF: 15329952.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/12

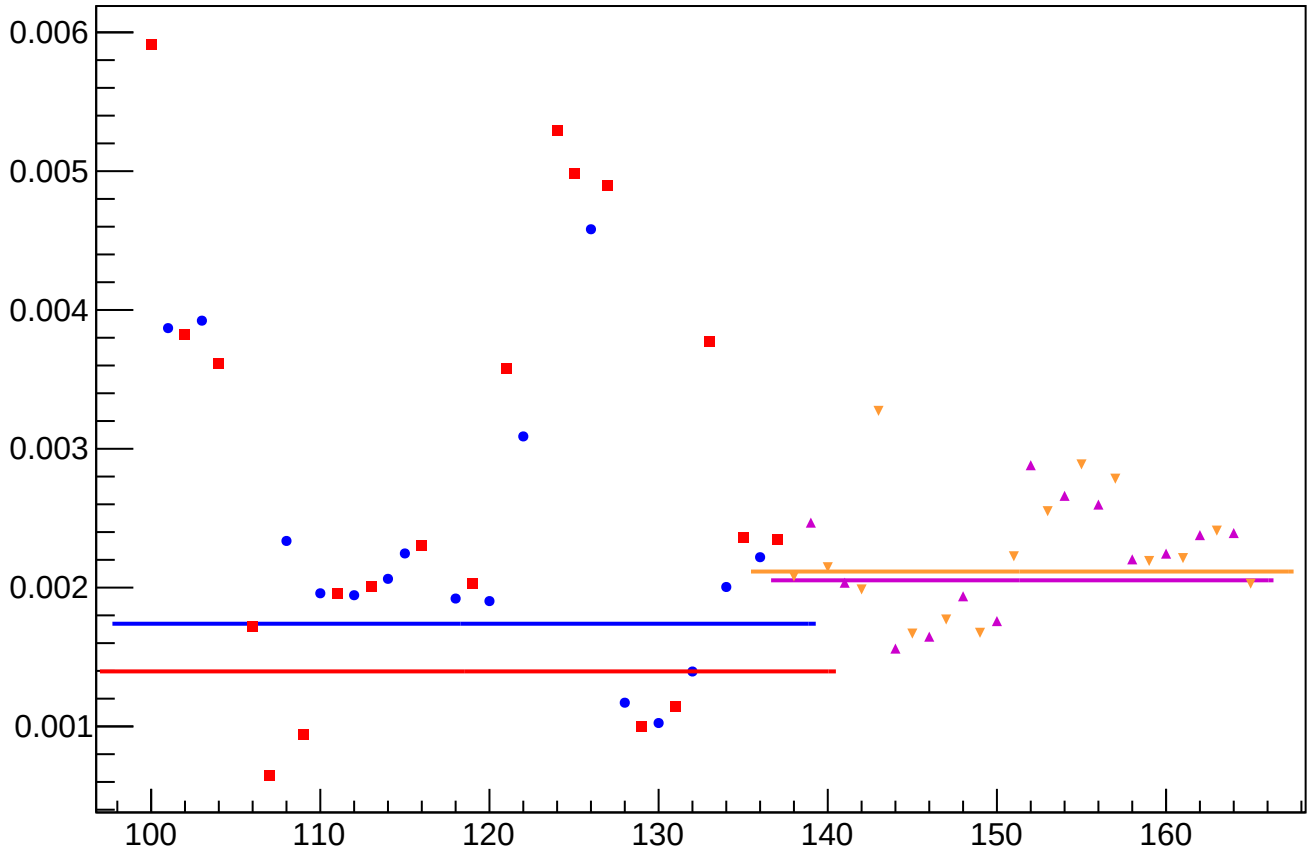
Left: 0.000+/-0.000 χ^2/NDF: 38.2/27

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/28

Out: -0.000+/-0.000 χ^2/NDF:51.2/33

All: -0.000+/-0.000 χ^2/NDF: 78.0/62



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:799601.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:764856.0/12

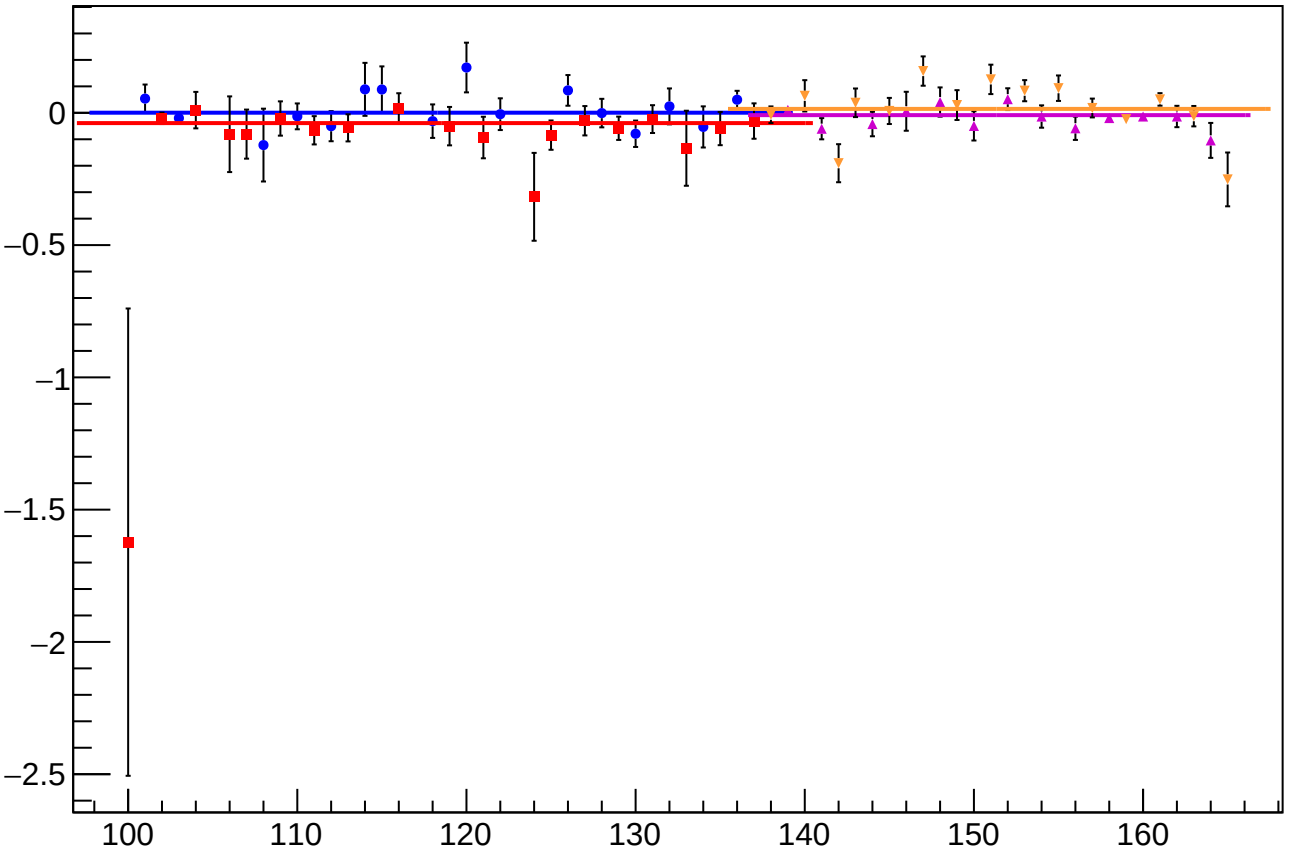
Left: 0.002+/-0.000 χ^2/NDF: 1574515.8/27

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3125427.6/28

Out: 0.002+/-0.000 χ^2/NDF:6466297.6/33

All: 0.002+/-0.000 χ^2/NDF: 9729187.3/62



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.001+/-0.006 χ^2/NDF: 56.6/27

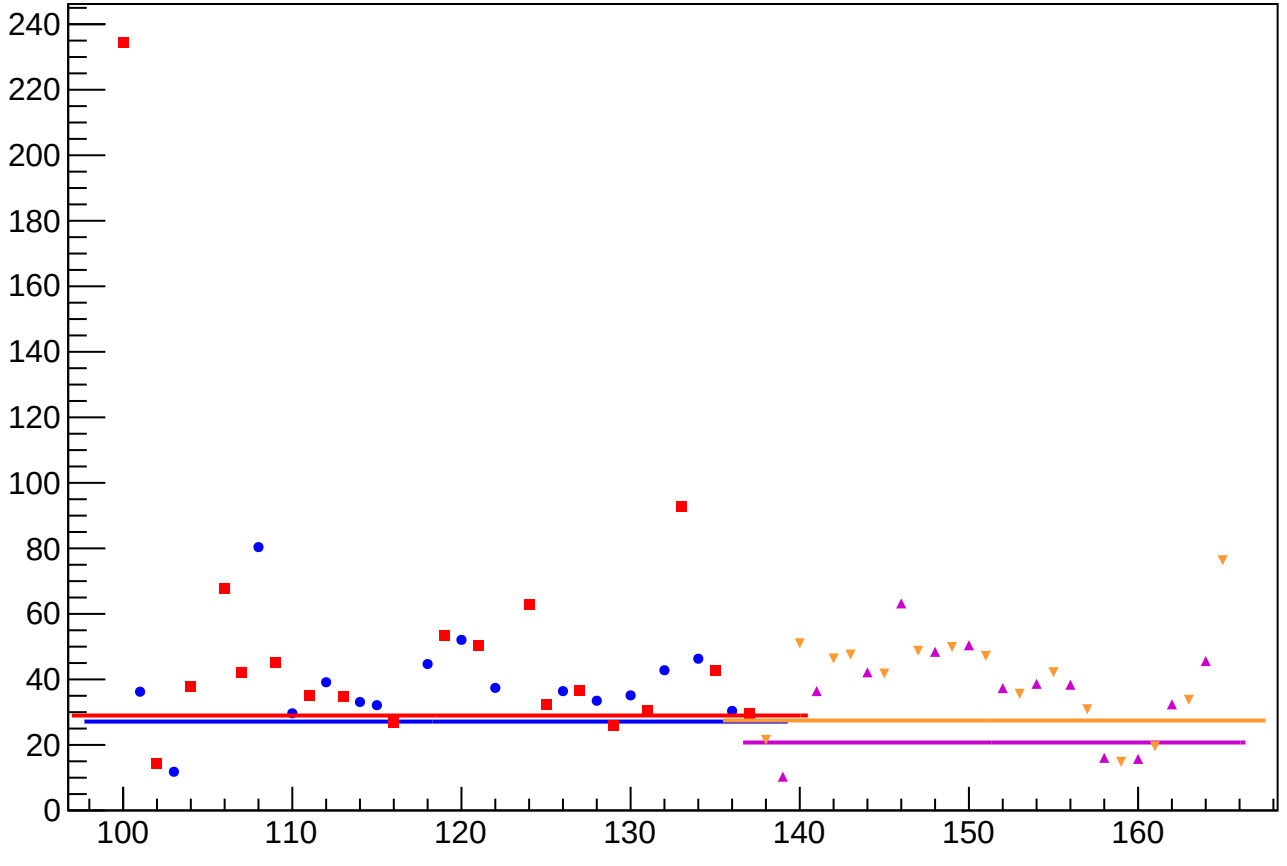
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.5/62

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: 27.460+/-0.007 χ^2/NDF:4038358.6/14

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

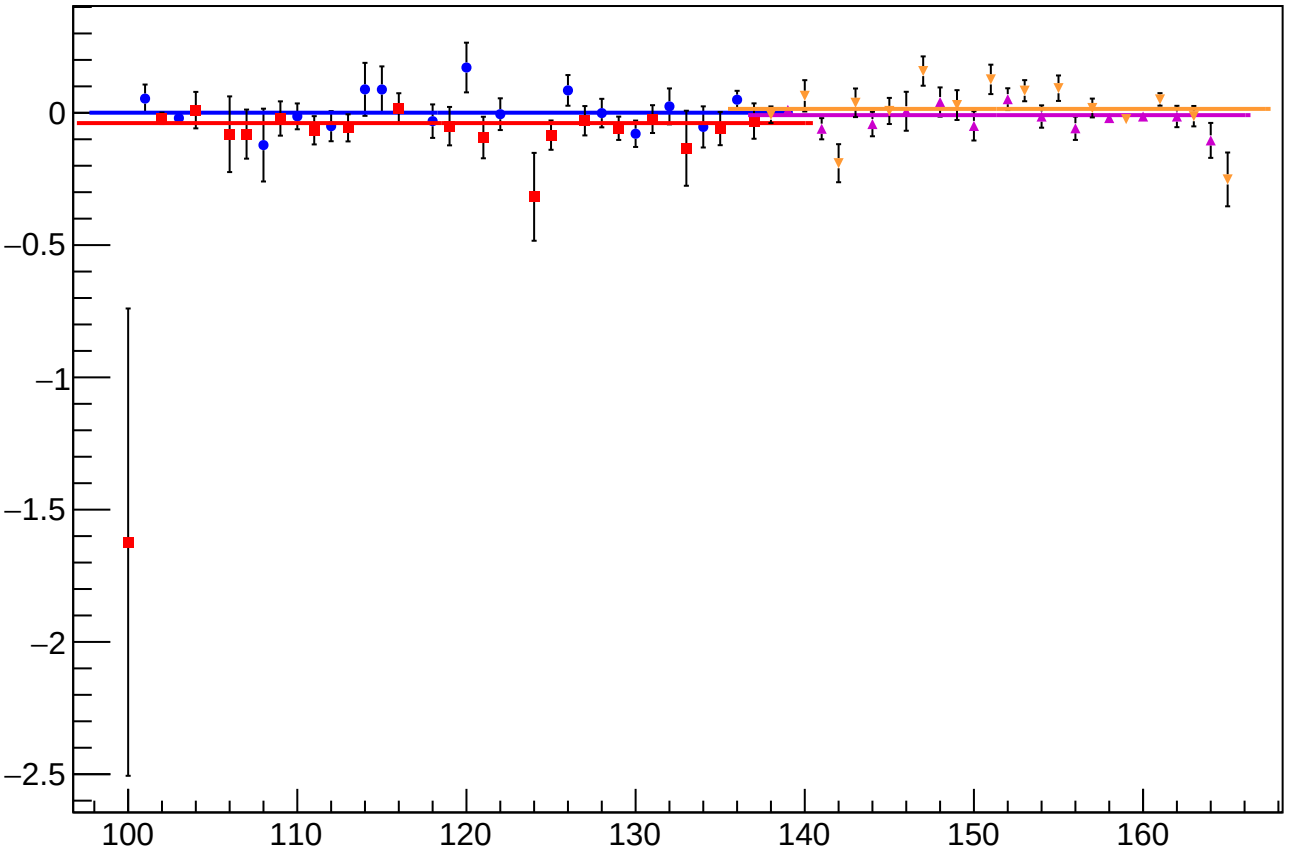
Left: 23.501+/-0.004 χ^2/NDF: 10075349.6/27

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.650+/-0.005 χ^2/NDF:8246475.2/28

Out: 28.002+/-0.005 χ^2/NDF:6512687.4/33

All: 24.959+/-0.004 χ^2/NDF: 15331424.0/62



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.001+/-0.006 χ^2/NDF: 56.6/27

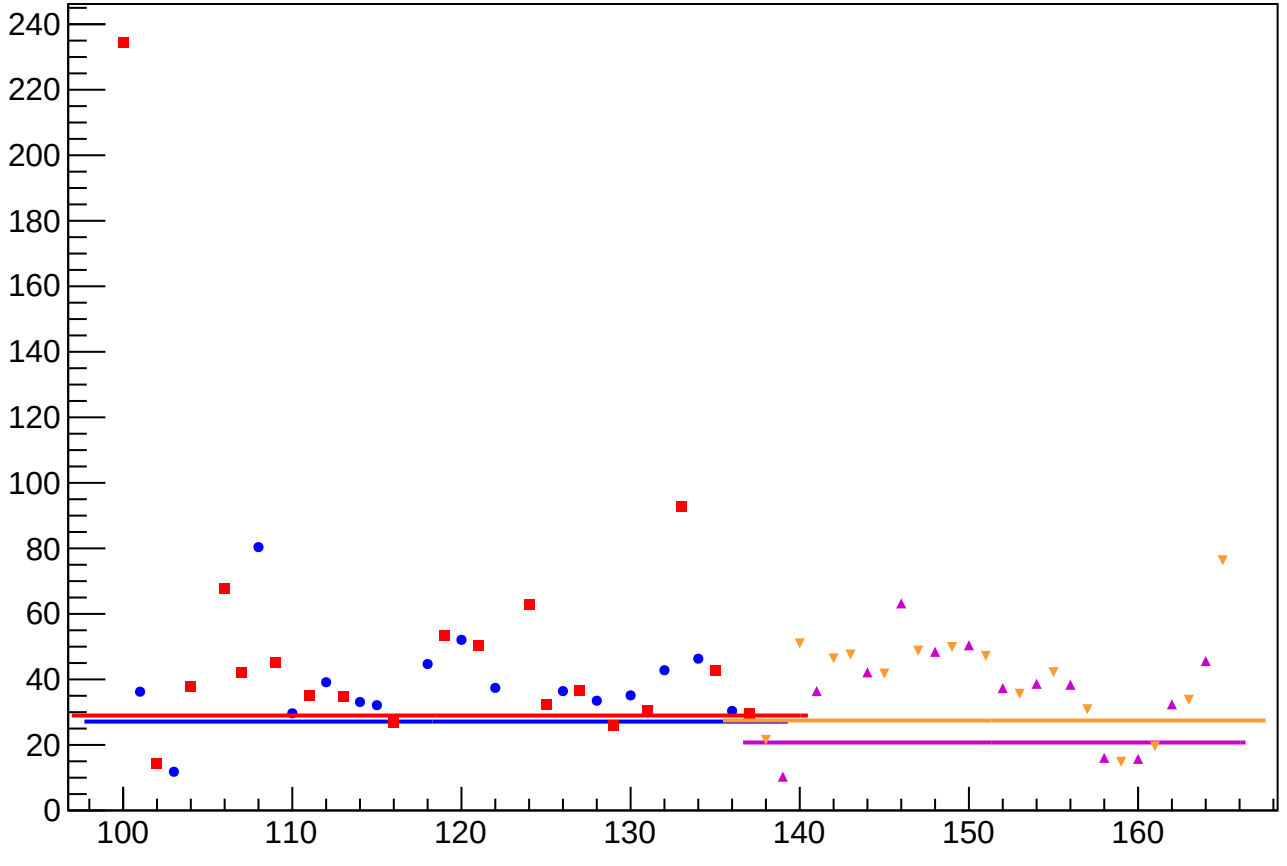
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.5/62

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: 27.460+/-0.007 χ^2/NDF:4038358.6/14

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

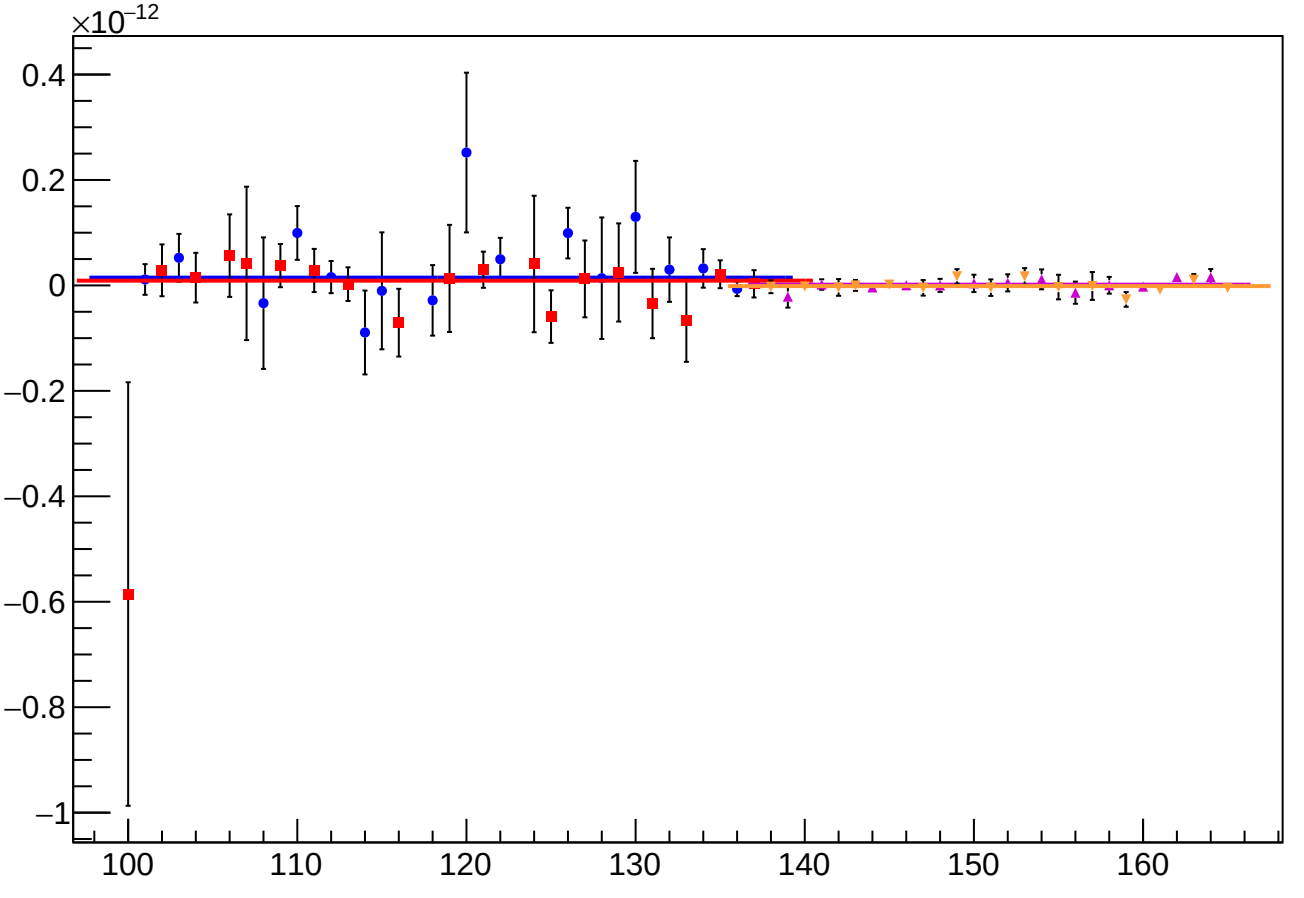
Left: 23.501+/-0.004 χ^2/NDF: 10075349.6/27

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.650+/-0.005 χ^2/NDF:8246475.2/28

Out: 28.002+/-0.005 χ^2/NDF:6512687.4/33

All: 24.959+/-0.004 χ^2/NDF: 15331424.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/12

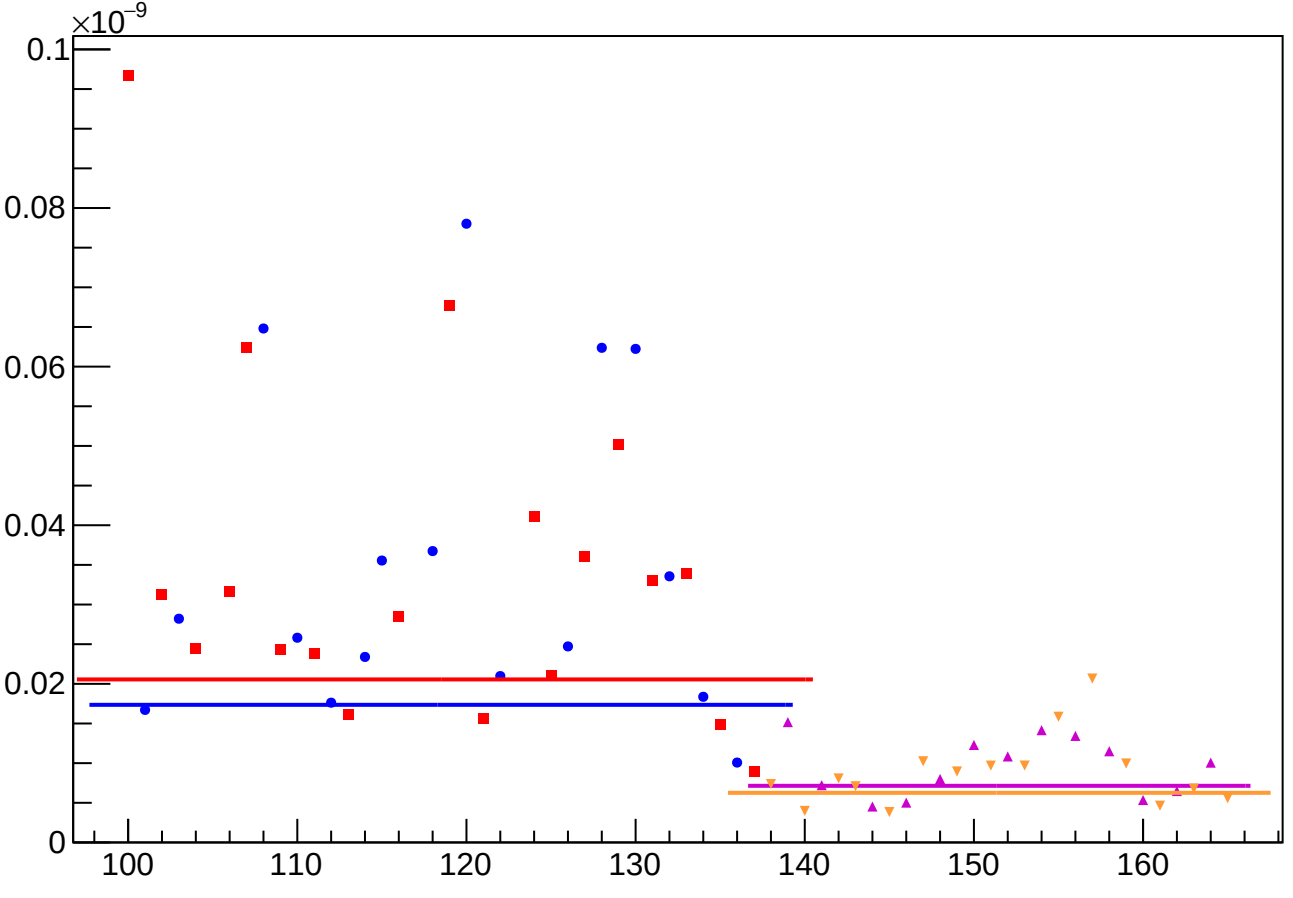
Left: -0.000+/-0.000 χ^2/NDF: 15.5/27

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:23.9/28

Out: -0.000+/-0.000 χ^2/NDF:18.8/33

All: 0.000+/-0.000 χ^2/NDF: 43.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2163440.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1825940.8/12

Left: 0.000+/-0.000 χ^2/NDF: 4077655.3/27

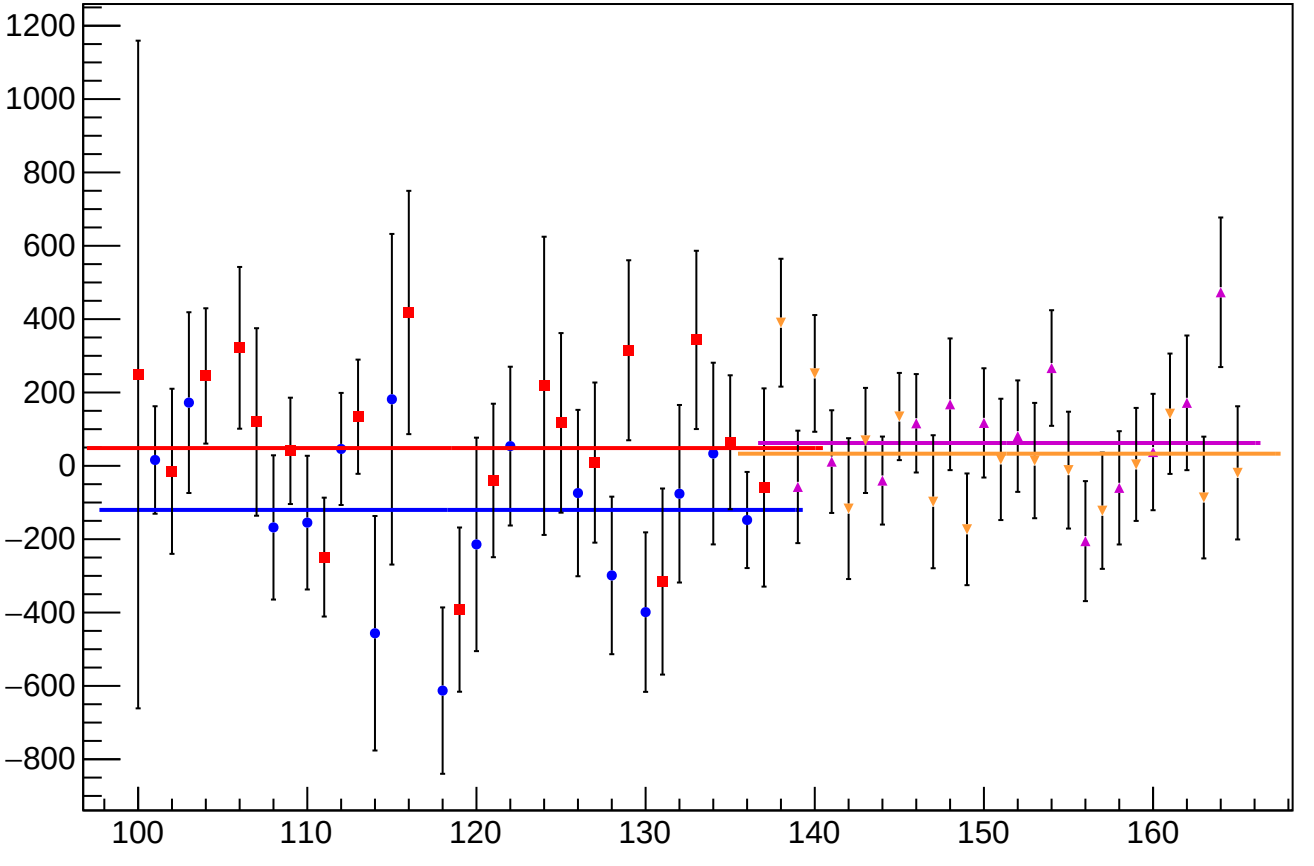
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6371435.7/28

Out: 0.000+/-0.000 χ^2/NDF:7360965.1/33

All: 0.000+/-0.000 χ^2/NDF: 13859188.3/62

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 33.143+/-41.011 χ^2/NDF:12.0/14

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 62.300+/-42.605 χ^2/NDF:11.5/12

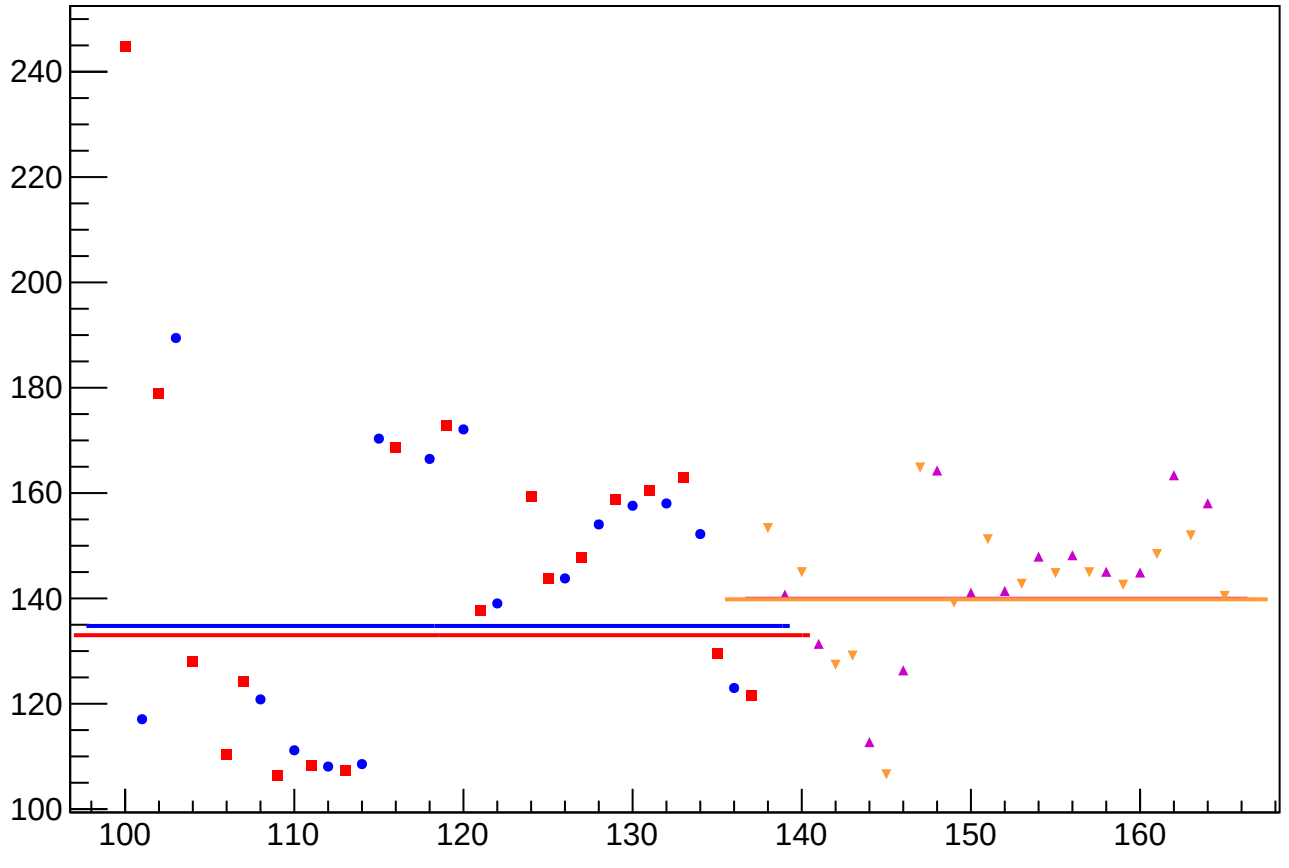
Left: 47.166+/-29.546 χ^2/NDF: 23.8/27

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -12.517+/-32.724 χ^2/NDF:32.5/28

Out: 39.312+/-31.686 χ^2/NDF:29.0/33

All: 14.232+/-22.763 χ^2/NDF: 62.8/62



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.2/12

Left: 139.884+/-0.021 χ^2/NDF: 490041.7/27

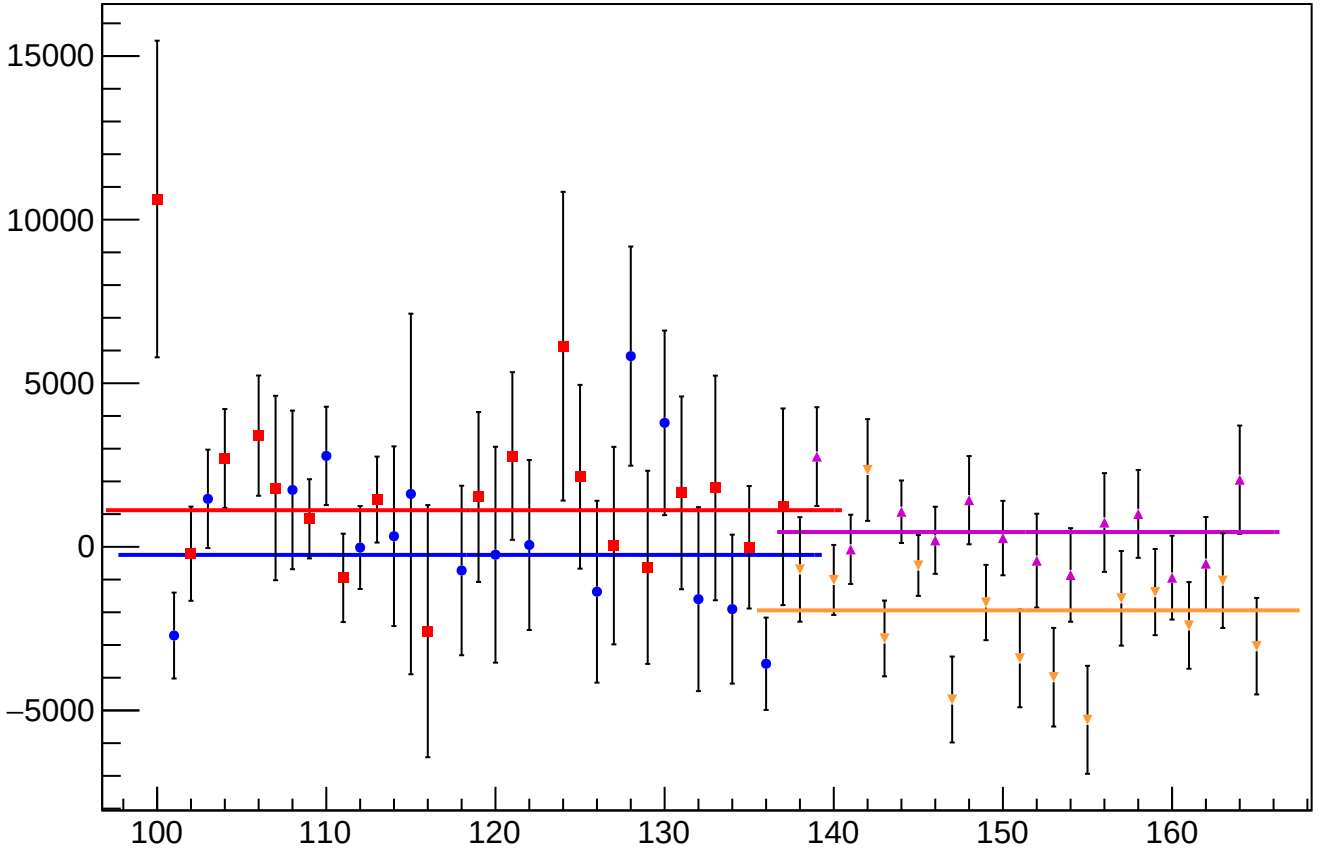
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.817+/-0.023 χ^2/NDF:659723.7/28

Out: 137.089+/-0.022 χ^2/NDF:777129.1/33

All: 137.441+/-0.016 χ^2/NDF: 1437362.7/62

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1940.930+/-338.332 χ^2/NDF:24.3/14

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 452.878+/-350.525 χ^2/NDF:7.6/12

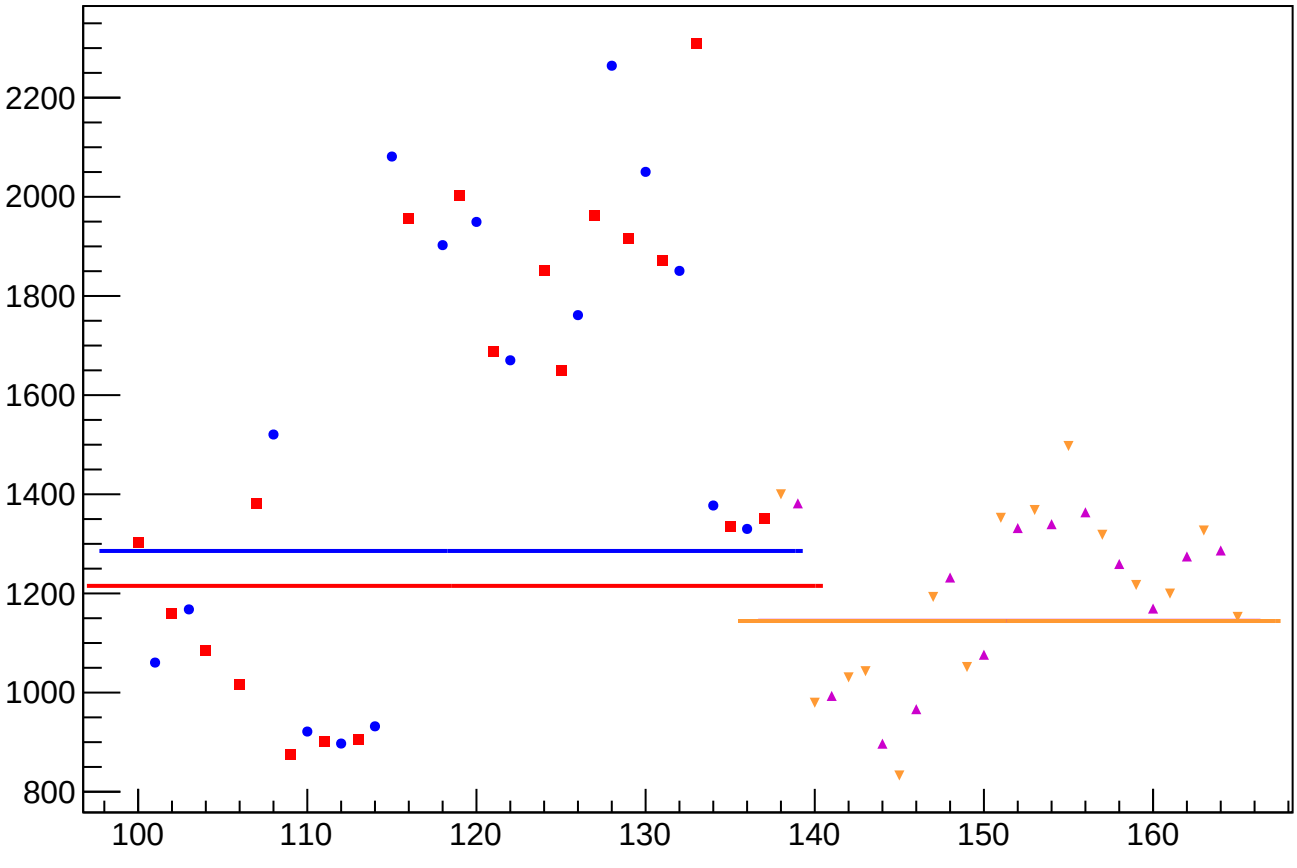
Left: -786.383+/-243.433 χ^2/NDF: 56.0/27

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 223.337+/-287.286 χ^2/NDF:30.5/28

Out: -891.667+/-274.267 χ^2/NDF:65.7/33

All: -360.002+/-198.379 χ^2/NDF: 104.1/62



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1144.385+/-0.239 χ^2/NDF:610046.0/14

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1144.782+/-0.248 χ^2/NDF:460891.3/12

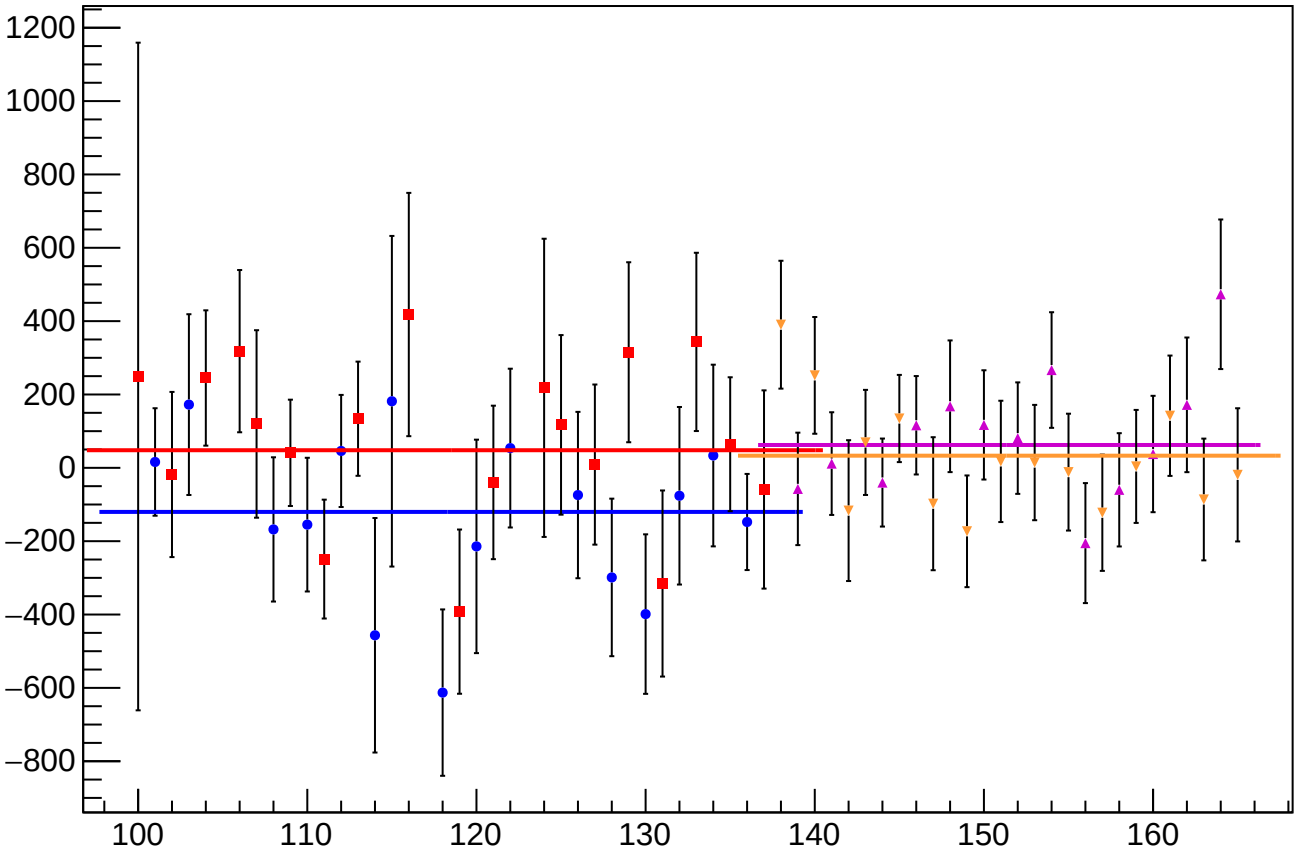
Left: 1144.576+/-0.172 χ^2/NDF: 1070938.6/27

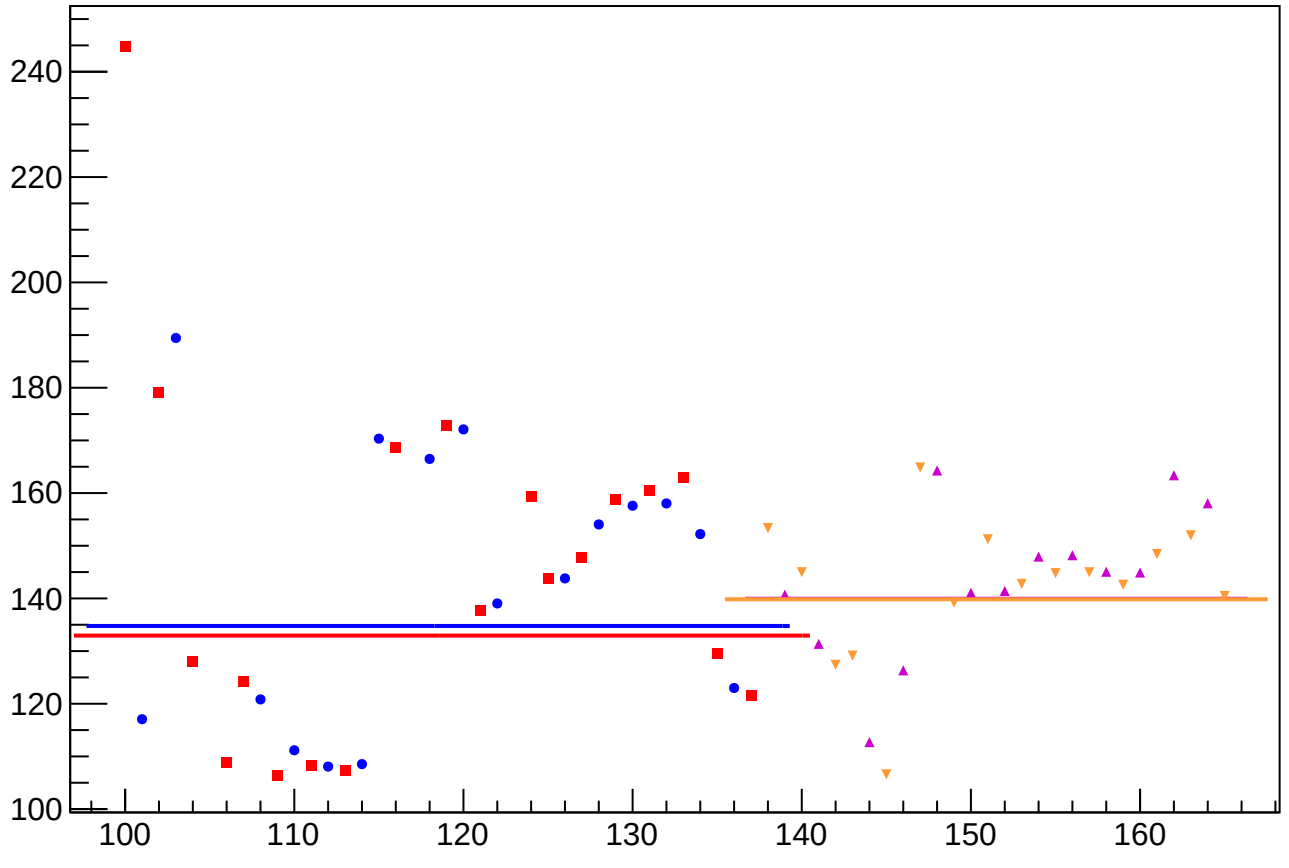
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1191.031+/-0.203 χ^2/NDF:1737392.4/28

Out: 1168.677+/-0.194 χ^2/NDF:2026408.6/33

All: 1179.336+/-0.140 χ^2/NDF: 3770136.2/62


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
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 33.148+/-41.011 χ²/NDF:12.0/14
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 62.302+/-42.605 χ²/NDF:11.5/12
Left: 47.170+/-29.546 χ²/NDF: 23.8/27
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -12.520+/-32.724 χ²/NDF:32.5/28
Out: 39.138+/-31.688 χ²/NDF:29.0/33
All: 14.139+/-22.764 χ²/NDF: 62.8/62



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

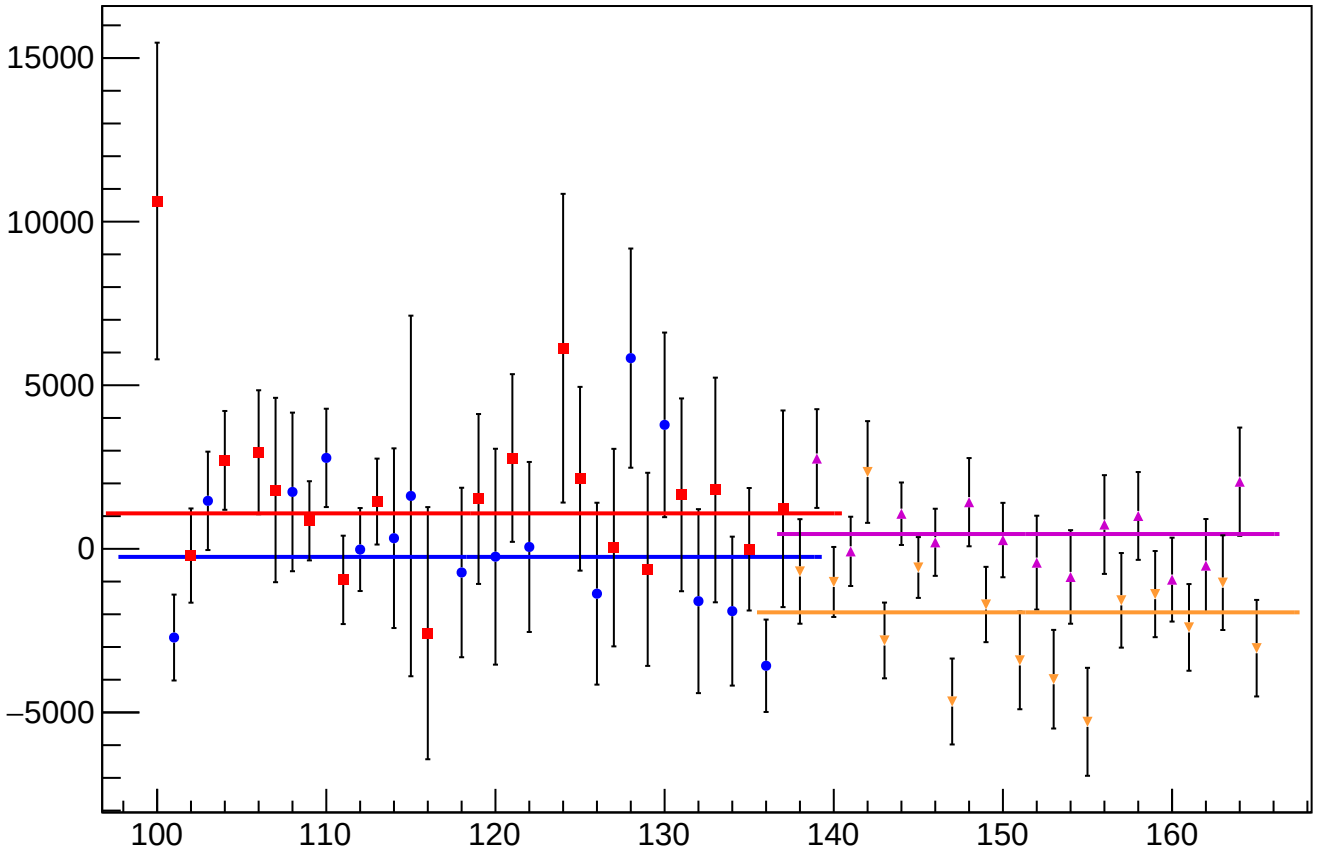
Left: 139.884+/-0.021 χ^2/NDF: 490041.7/27

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.817+/-0.023 χ^2/NDF:659726.6/28

Out: 137.061+/-0.022 χ^2/NDF:780733.3/33

All: 137.427+/-0.016 χ^2/NDF: 1441010.7/62



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1940.922+/-338.332 χ^2/NDF:24.3/14

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 452.886+/-350.525 χ^2/NDF:7.6/12

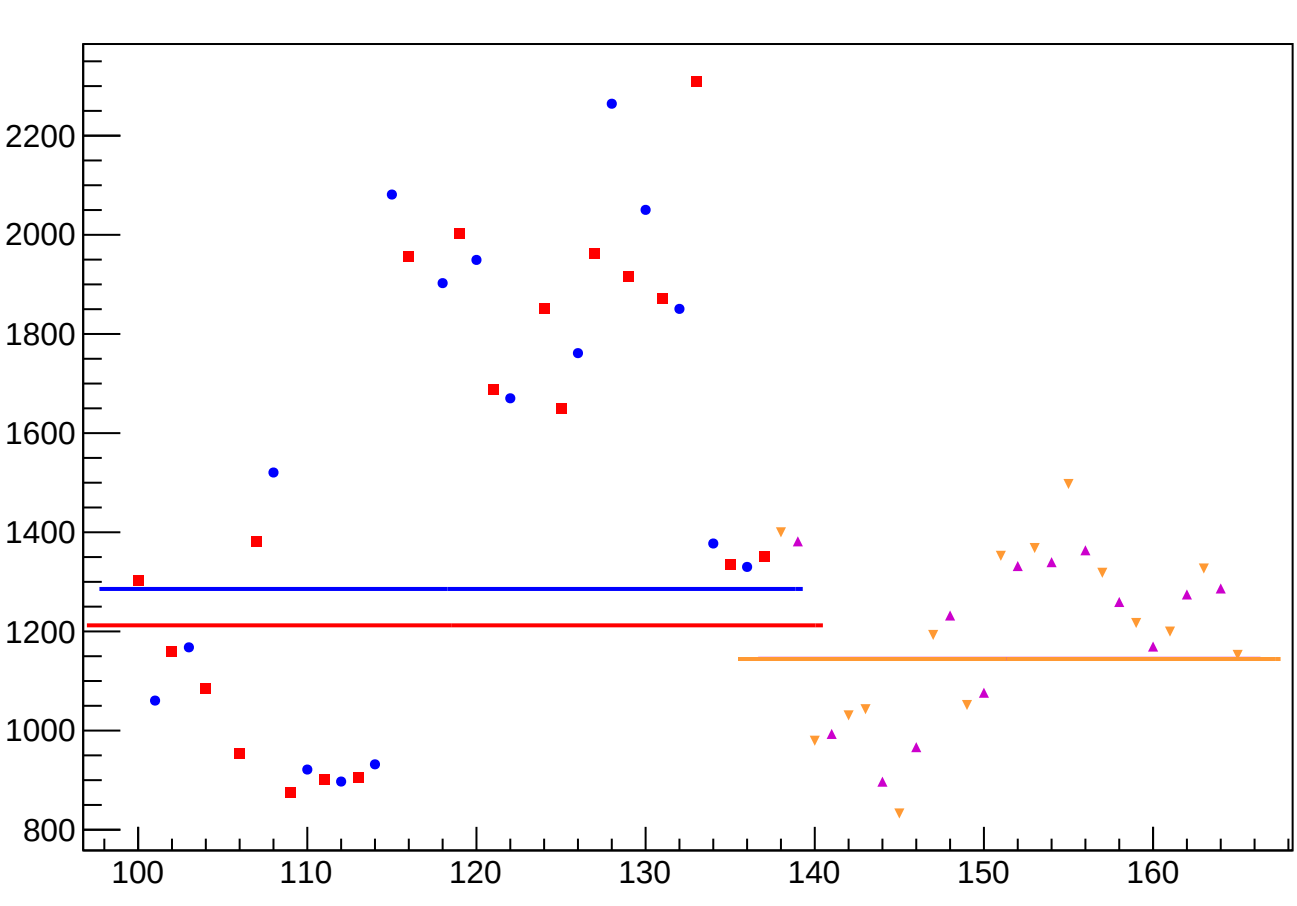
Left: -786.376+/-243.433 χ^2/NDF: 56.0/27

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 223.321+/-287.287 χ^2/NDF:30.5/28

Out: -906.457+/-274.452 χ^2/NDF:64.4/33

All: -367.369+/-198.449 χ^2/NDF: 103.0/62



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1144.384+/-0.239 χ^2/NDF:610047.8/14

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

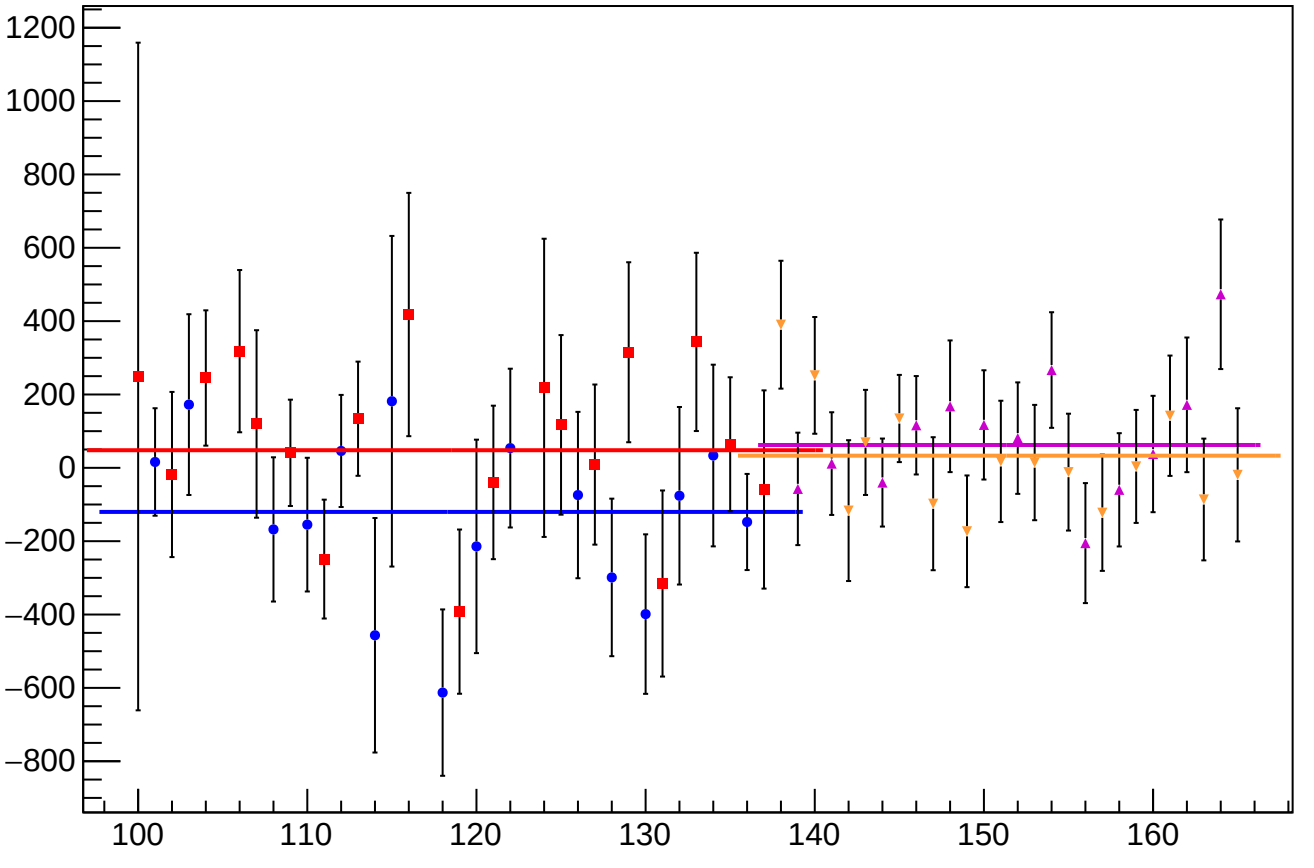
Left: 1144.576+/-0.172 χ^2/NDF: 1070938.4/27

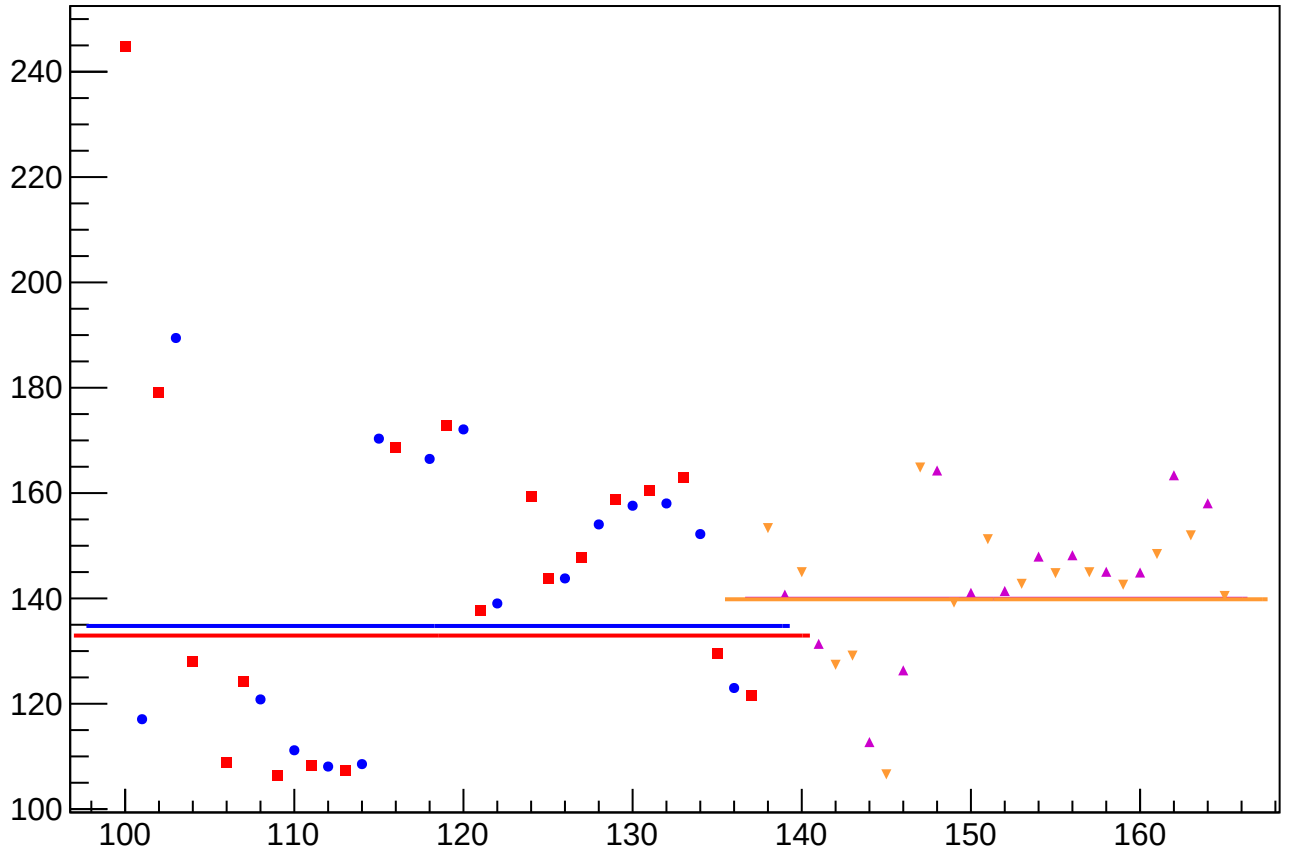
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1191.035+/-0.203 χ^2/NDF:1737384.1/28

Out: 1167.601+/-0.194 χ^2/NDF:2038222.8/33

All: 1178.783+/-0.140 χ^2/NDF: 3782564.6/62


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
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 33.148+/-41.011 χ²/NDF:12.0/14
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 62.302+/-42.605 χ²/NDF:11.5/12
Left: 47.170+/-29.546 χ²/NDF: 23.8/27
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -12.520+/-32.724 χ²/NDF:32.5/28
Out: 39.138+/-31.688 χ²/NDF:29.0/33
All: 14.139+/-22.764 χ²/NDF: 62.8/62



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

Left: 139.884+/-0.021 χ^2/NDF: 490041.7/27

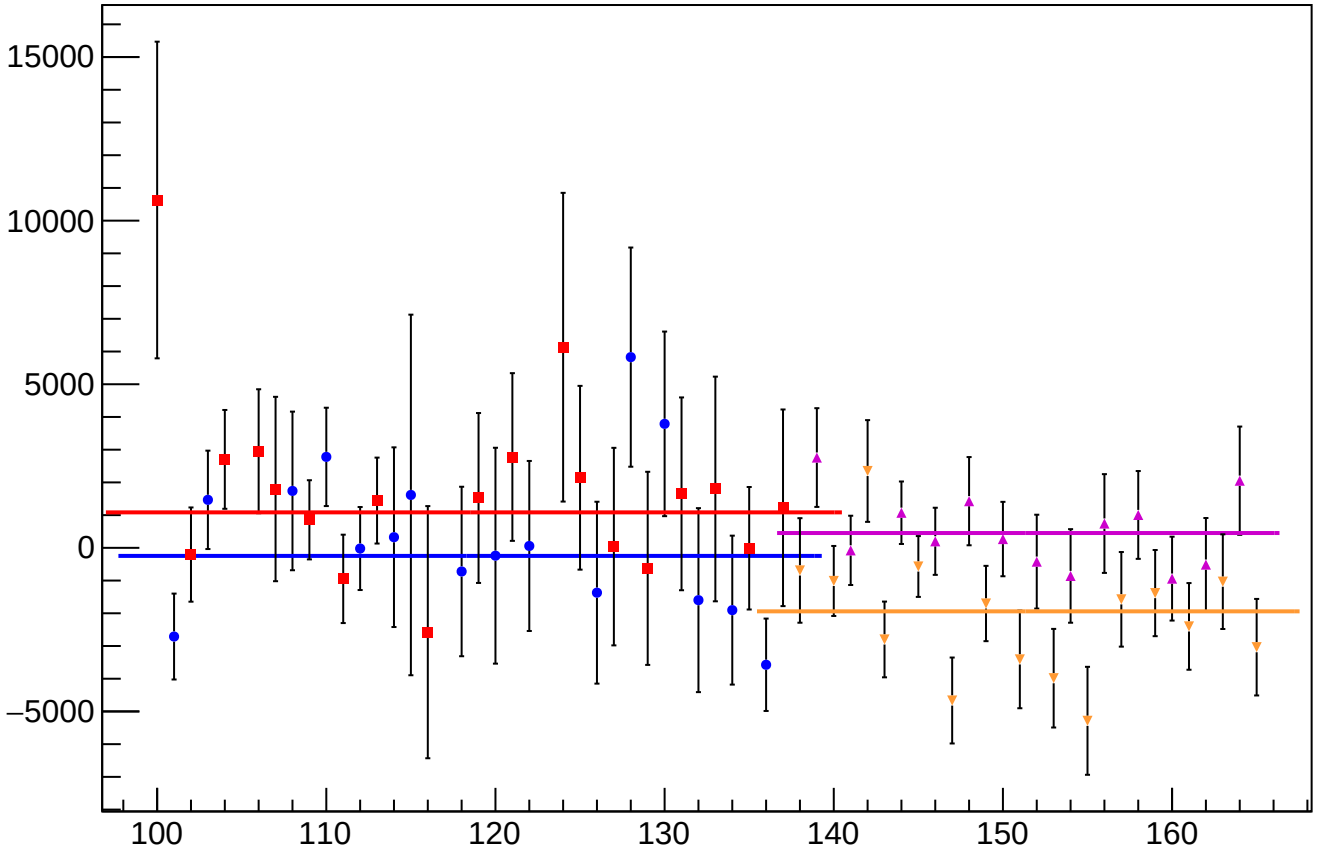
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.817+/-0.023 χ^2/NDF:659726.6/28

Out: 137.061+/-0.022 χ^2/NDF:780733.3/33

All: 137.427+/-0.016 χ^2/NDF: 1441010.7/62

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: -1940.922+/-338.332 χ^2/NDF:24.3/14

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 452.886+/-350.525 χ^2/NDF:7.6/12

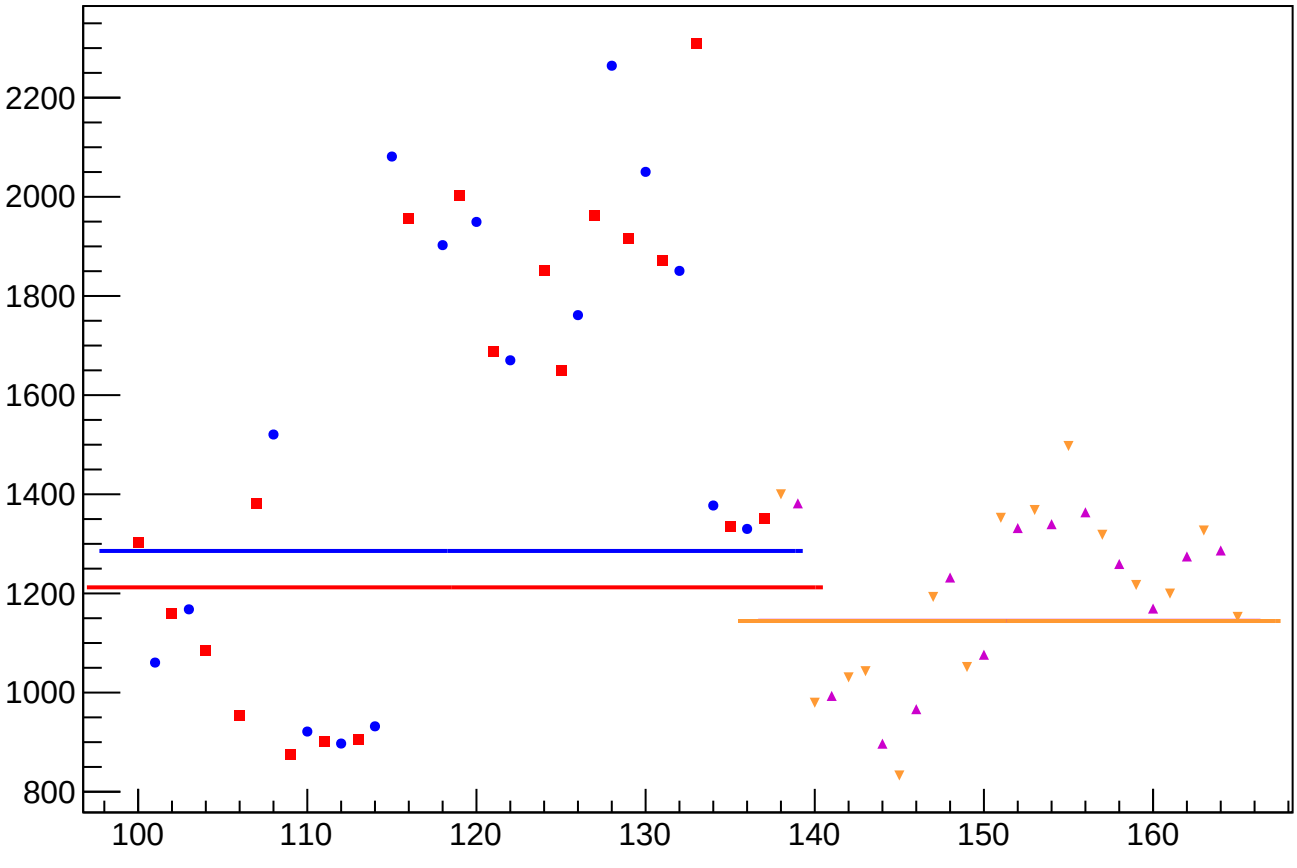
Left: -786.376+/-243.433 χ^2/NDF: 56.0/27

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 223.321+/-287.287 χ^2/NDF:30.5/28

Out: -906.457+/-274.452 χ^2/NDF:64.4/33

All: -367.369+/-198.449 χ^2/NDF: 103.0/62



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1144.384+/-0.239 χ^2/NDF:610047.8/14

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

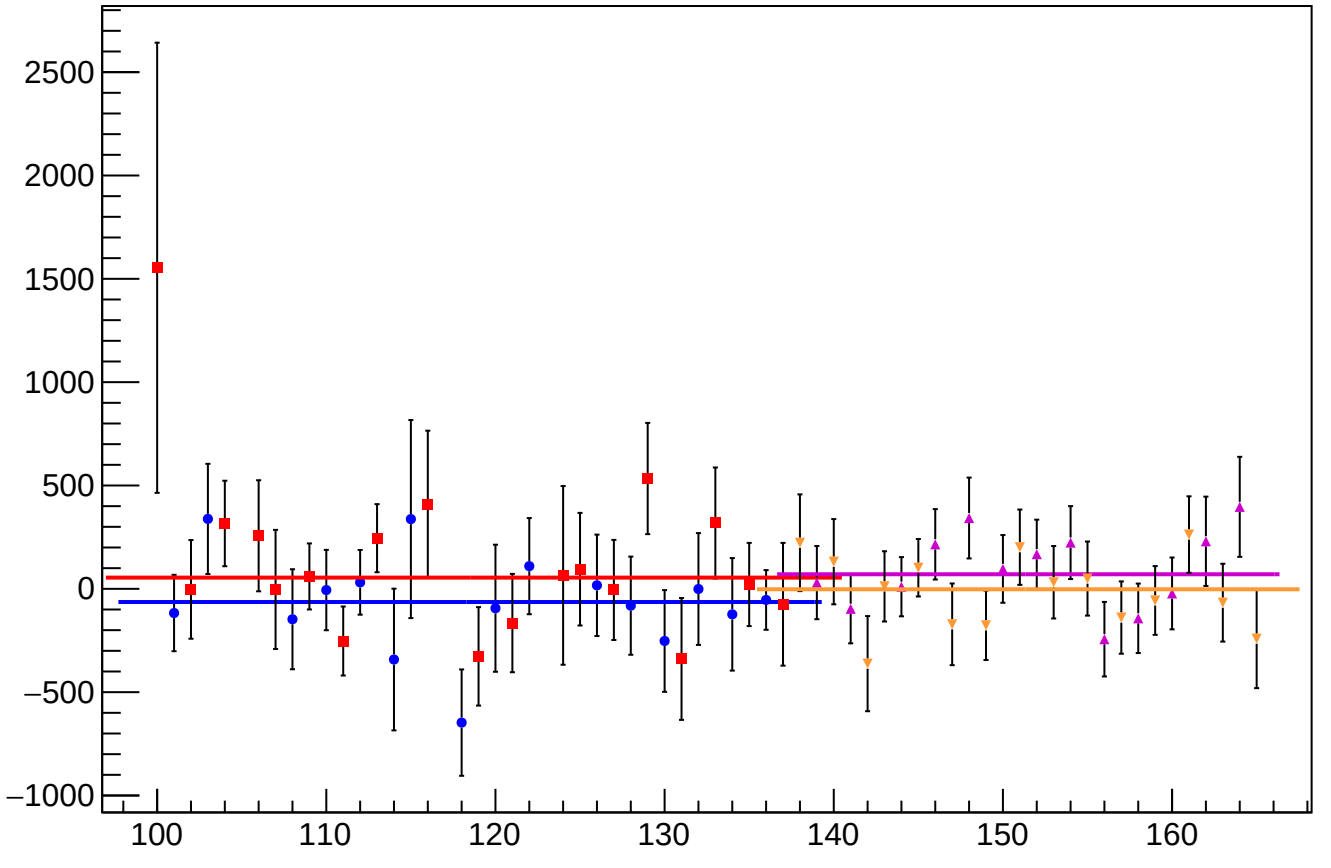
Left: 1144.576+/-0.172 χ^2/NDF: 1070938.4/27

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1191.035+/-0.203 χ^2/NDF:1737384.1/28

Out: 1167.601+/-0.194 χ^2/NDF:2038222.8/33

All: 1178.783+/-0.140 χ^2/NDF: 3782564.6/62



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -2.199+/-47.372 χ^2/NDF:11.4/14

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 70.517+/-48.799 χ^2/NDF:12.3/12

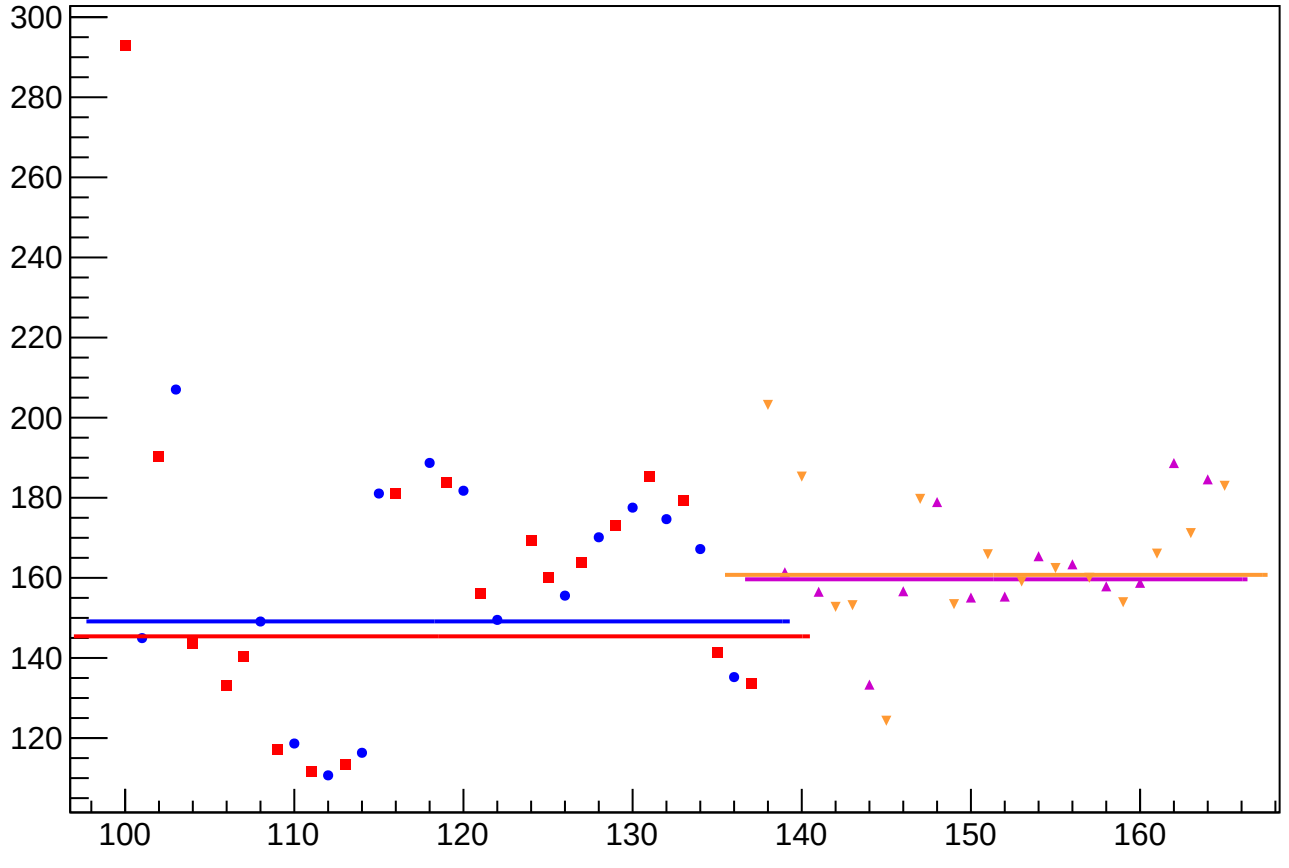
Left: 33.080+/-33.990 χ^2/NDF: 24.9/27

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 13.409+/-36.996 χ^2/NDF:26.3/28

Out: 21.996+/-35.822 χ^2/NDF:31.5/33

All: 17.841+/-25.735 χ^2/NDF: 57.9/62



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 160.750+/-0.033 χ^2/NDF:290255.4/14

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.639+/-0.035 χ^2/NDF:151862.3/12

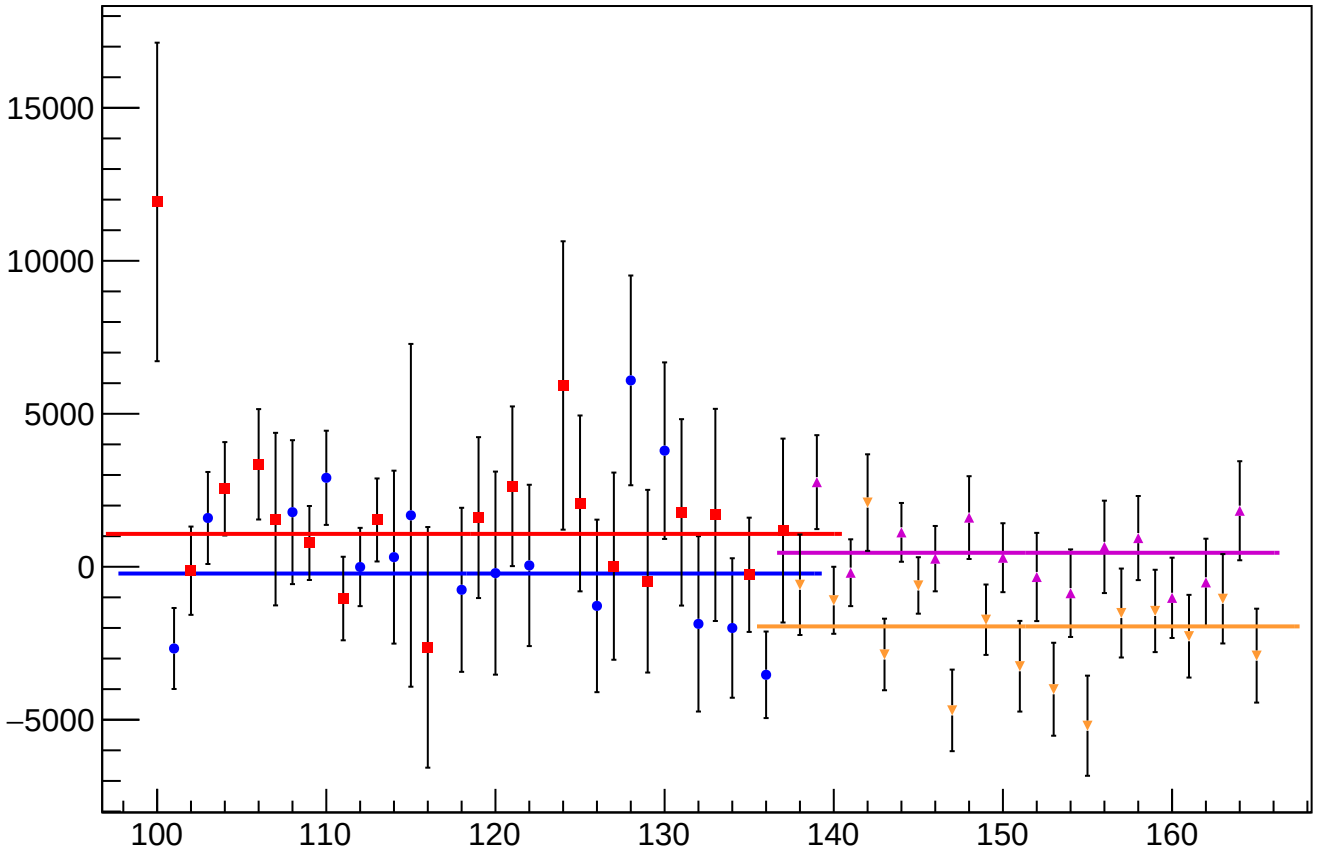
Left: 160.211+/-0.024 χ^2/NDF: 442651.8/27

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.170+/-0.026 χ^2/NDF:642305.6/28

Out: 154.177+/-0.025 χ^2/NDF:906004.8/33

All: 154.658+/-0.018 χ^2/NDF: 1549054.6/62



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1949.555+/-341.838 χ^2/NDF:22.5/14

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 456.837+/-354.730 χ^2/NDF:7.6/12

Left: -790.883+/-246.147 χ^2/NDF: 53.9/27

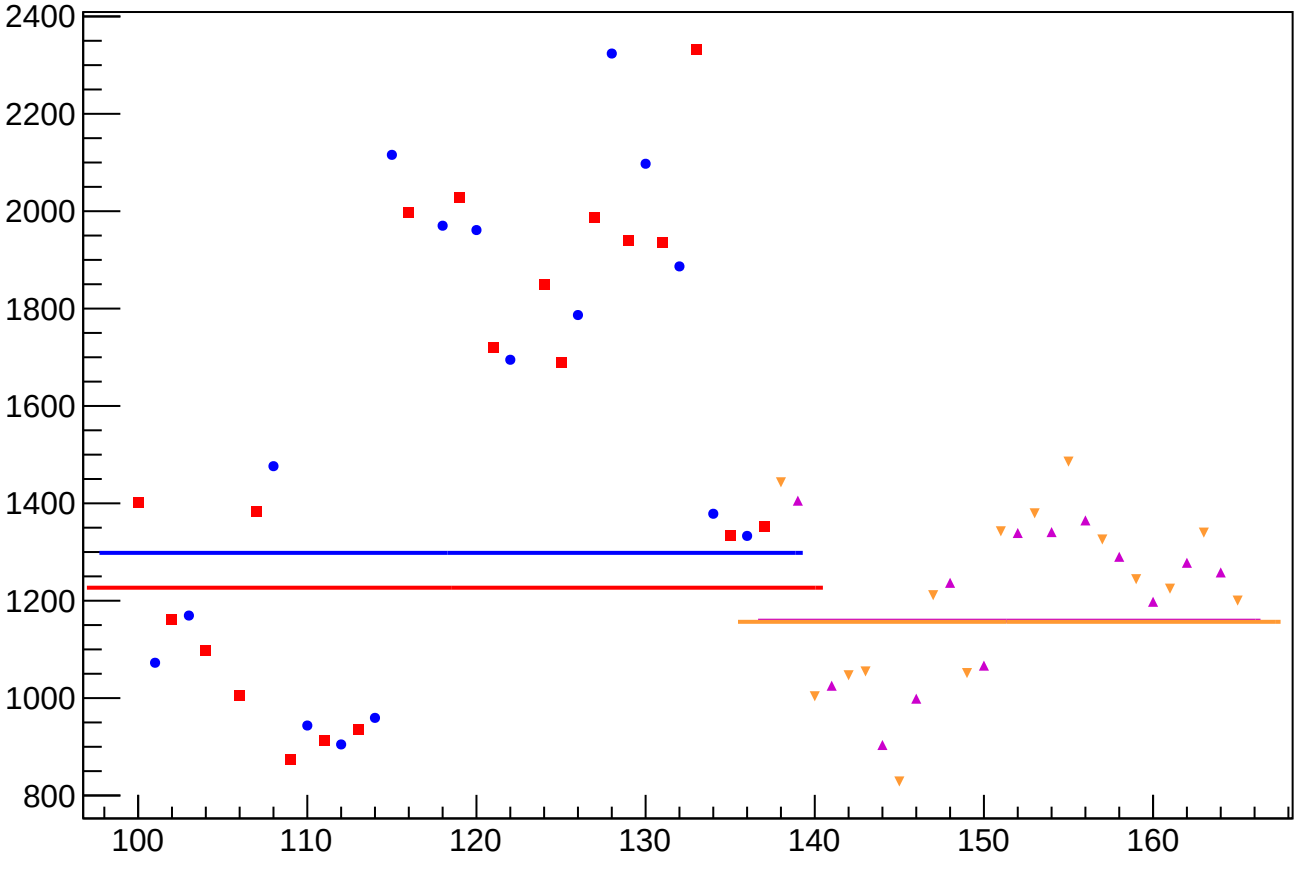
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 233.517+/-290.501 χ^2/NDF:30.7/28

Out: -911.501+/-277.021 χ^2/NDF:62.9/33

All: -366.175+/-200.480 χ^2/NDF: 101.7/62

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1156.685+/-0.242 χ^2/NDF:626406.5/14

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1158.977+/-0.251 χ^2/NDF:429726.6/12

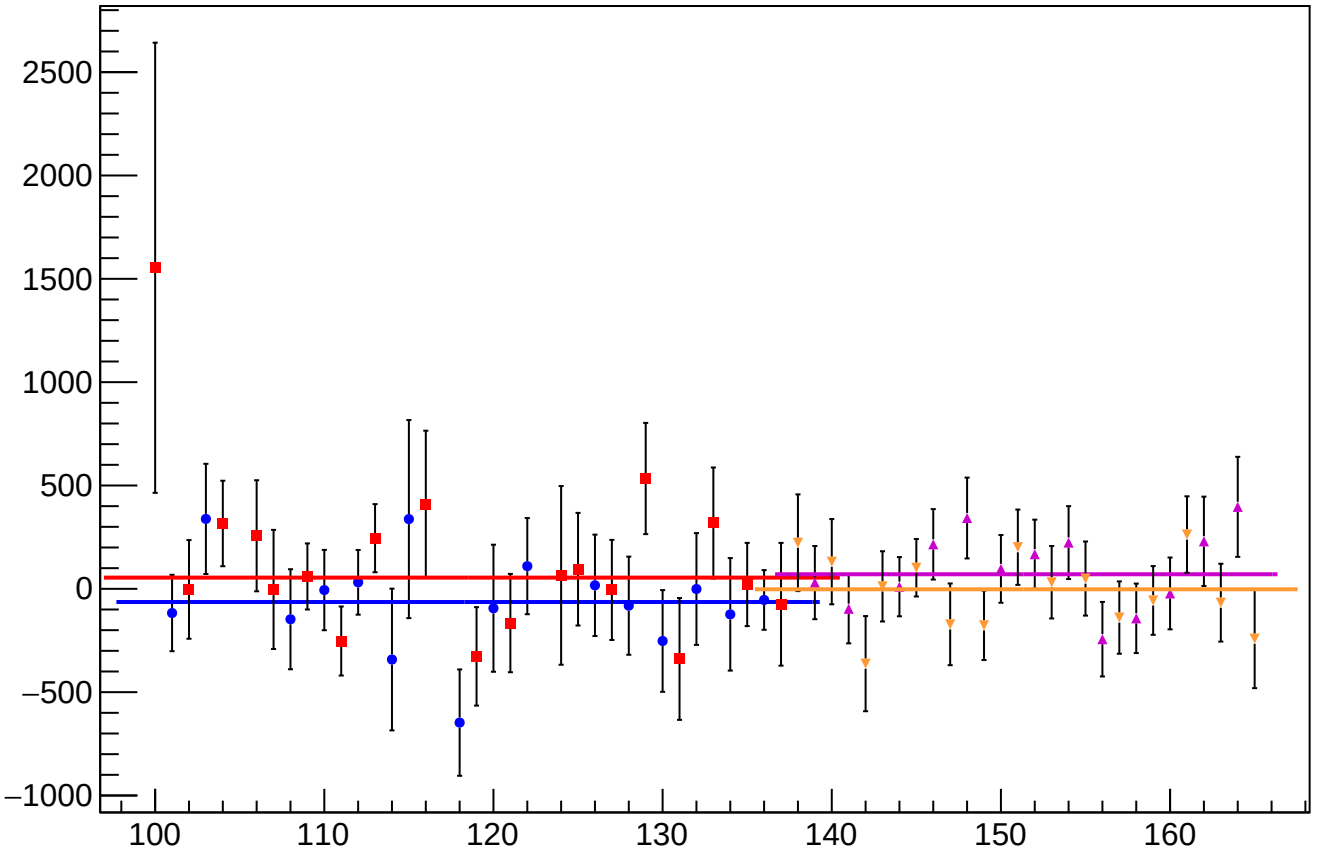
Left: 1157.789+/-0.174 χ^2/NDF: 1056176.4/27

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1204.860+/-0.205 χ^2/NDF:1713447.5/28

Out: 1180.729+/-0.196 χ^2/NDF:2059753.1/33

All: 1192.222+/-0.142 χ^2/NDF: 3780428.2/62



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -2.197+/-47.372 χ^2/NDF:11.4/14

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 70.517+/-48.799 χ^2/NDF:12.3/12

Left: 33.082+/-33.990 χ^2/NDF: 24.9/27

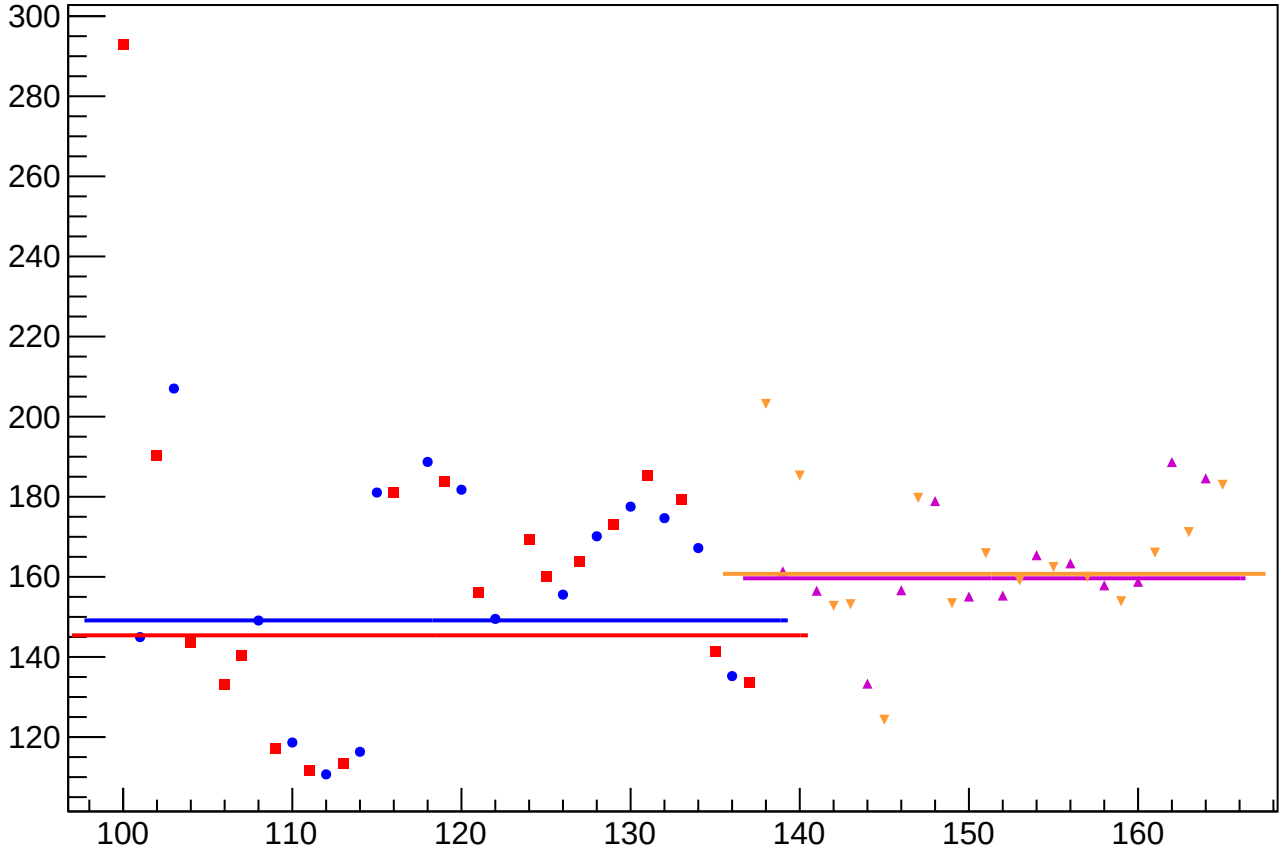
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 13.410+/-36.996 χ^2/NDF:26.3/28

Out: 21.997+/-35.822 χ^2/NDF:31.5/33

All: 17.842+/-25.735 χ^2/NDF: 57.9/62

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 160.751+/-0.033 χ^2/NDF:290250.1/14

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.639+/-0.035 χ^2/NDF:151860.5/12

Left: 160.211+/-0.024 χ^2/NDF: 442644.6/27

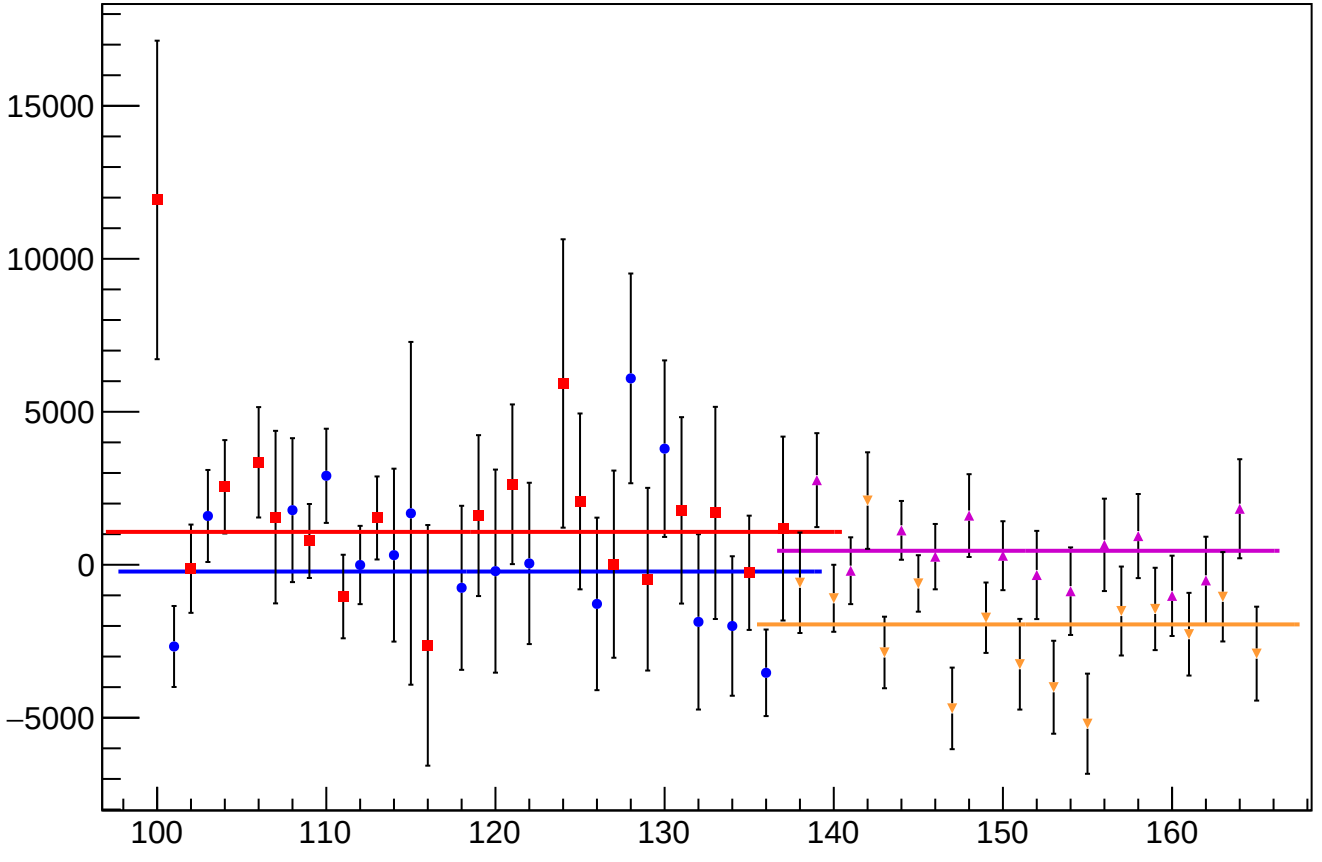
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 155.170+/-0.026 χ^2/NDF:642307.7/28

Out: 154.177+/-0.025 χ^2/NDF:906006.8/33

All: 154.658+/-0.018 χ^2/NDF: 1549058.8/62

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1949.552+/-341.837 χ^2/NDF:22.5/14

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 456.835+/-354.730 χ^2/NDF:7.6/12

Left: -790.882+/-246.147 χ^2/NDF: 53.9/27

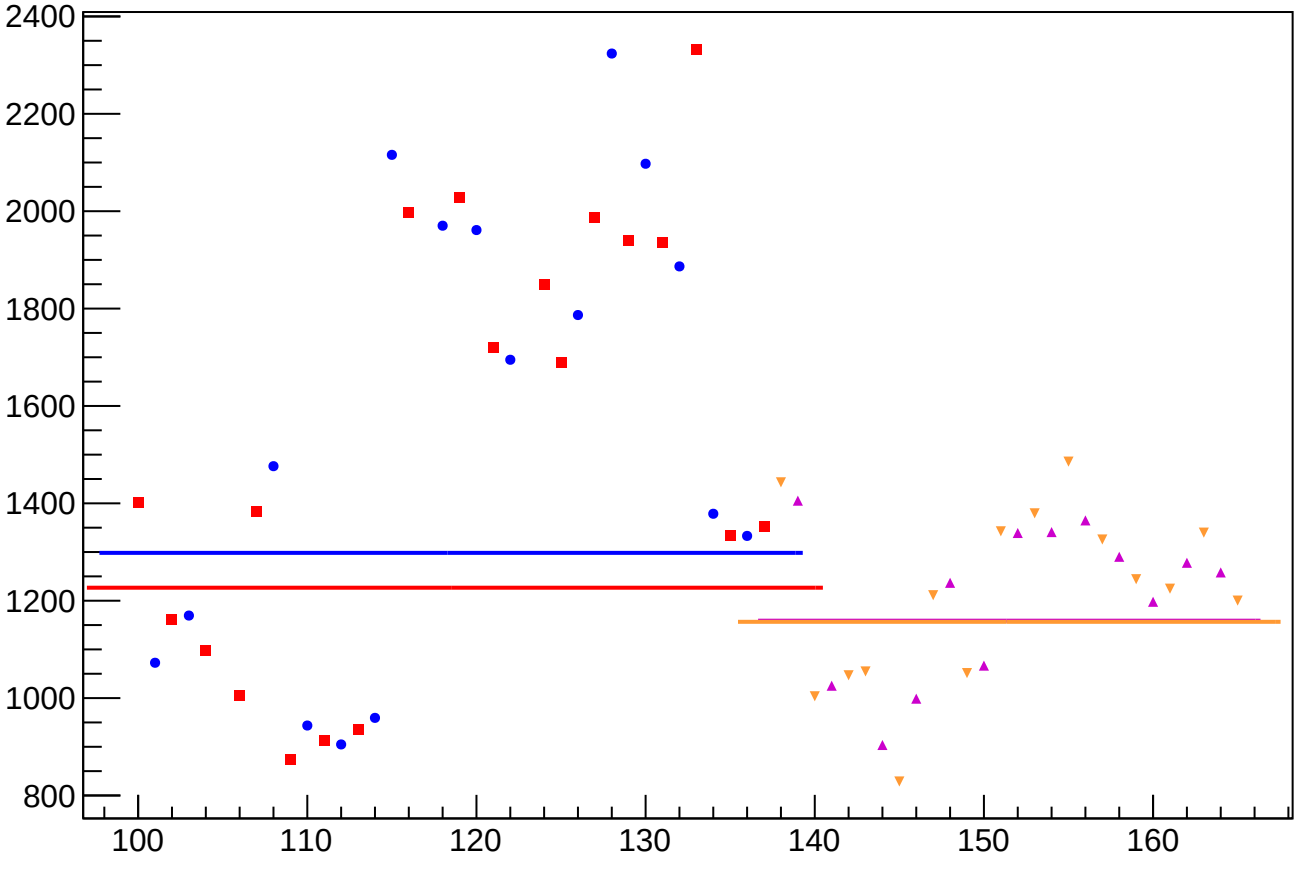
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 233.516+/-290.501 χ^2/NDF:30.7/28

Out: -911.500+/-277.020 χ^2/NDF:62.9/33

All: -366.175+/-200.479 χ^2/NDF: 101.7/62

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: 1156.683+/-0.242 χ^2/NDF:626409.3/14

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1158.976+/-0.251 χ^2/NDF:429725.1/12

Left: 1157.787+/-0.174 χ^2/NDF: 1056177.8/27

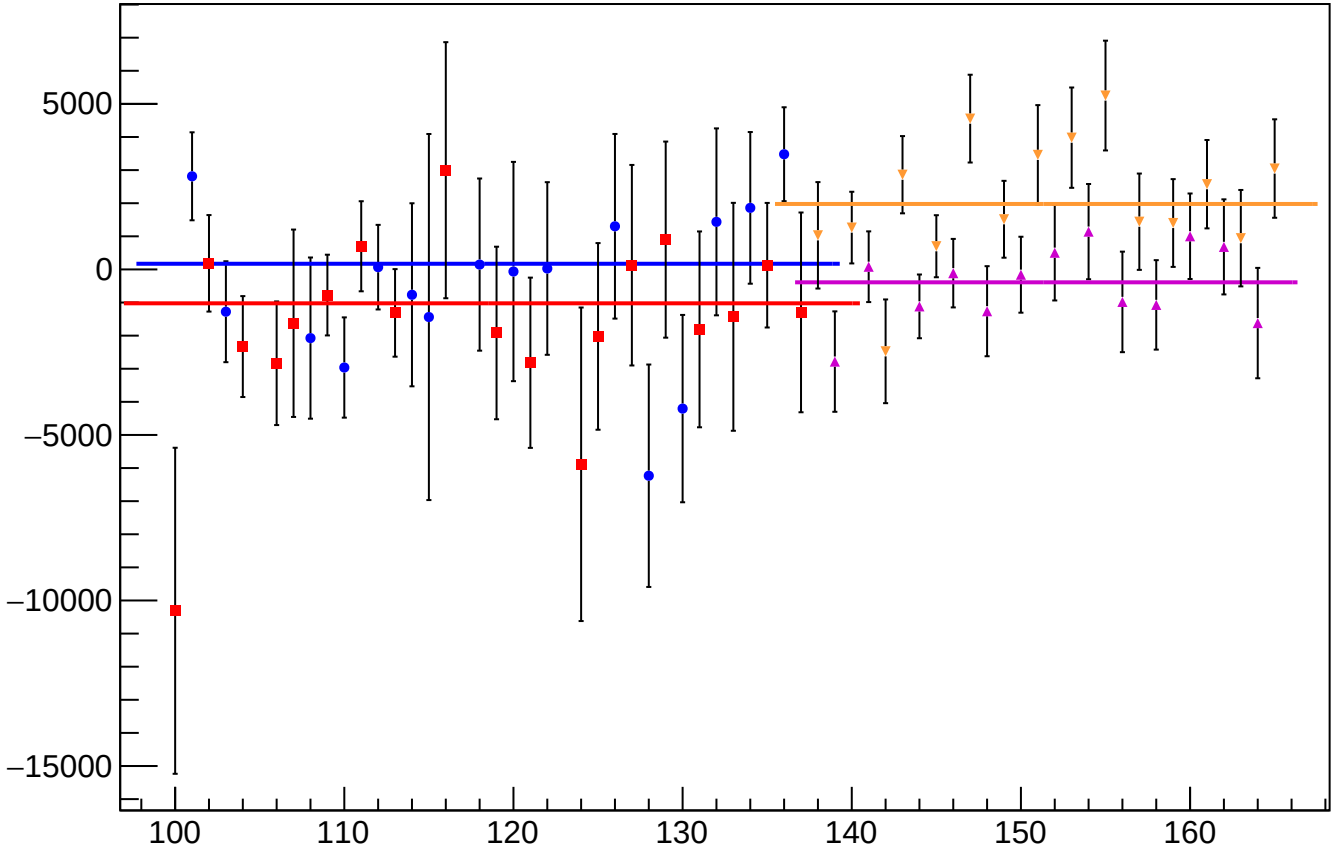
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1204.859+/-0.205 χ^2/NDF:1713449.9/28

Out: 1180.728+/-0.196 χ^2/NDF:2059759.0/33

All: 1192.220+/-0.142 χ^2/NDF: 3780436.7/62

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1977.339+/-340.981 χ^2/NDF:23.4/14

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -389.550+/-353.234 χ^2/NDF:8.0/12

Left: 835.660+/-245.327 χ^2/NDF: 54.6/27

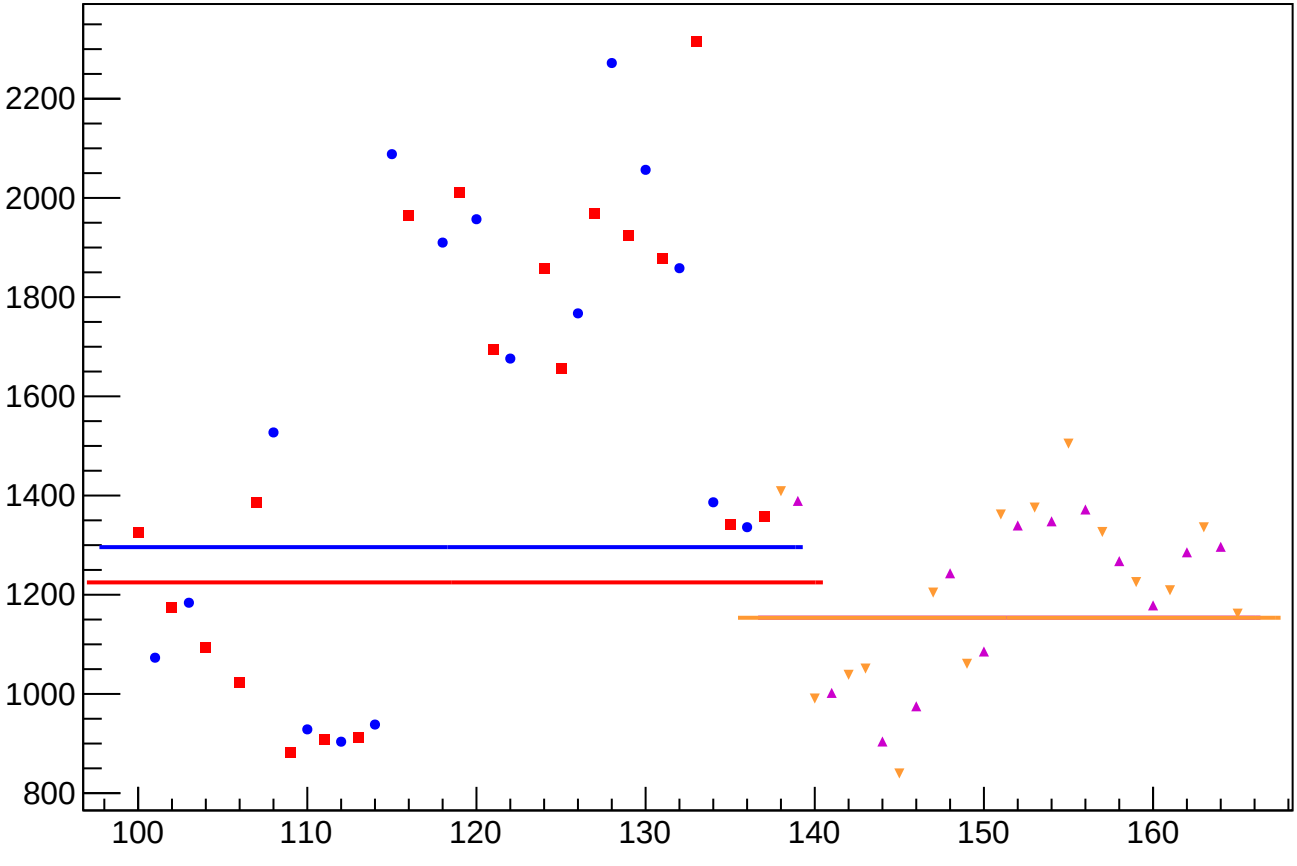
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -205.442+/-289.478 χ^2/NDF:31.4/28

Out: 948.246+/-276.402 χ^2/NDF:61.5/33

All: 398.046+/-199.909 χ^2/NDF: 101.2/62

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1153.596+/-0.241 χ^2/NDF:601970.8/14

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1153.812+/-0.250 χ^2/NDF:455775.7/12

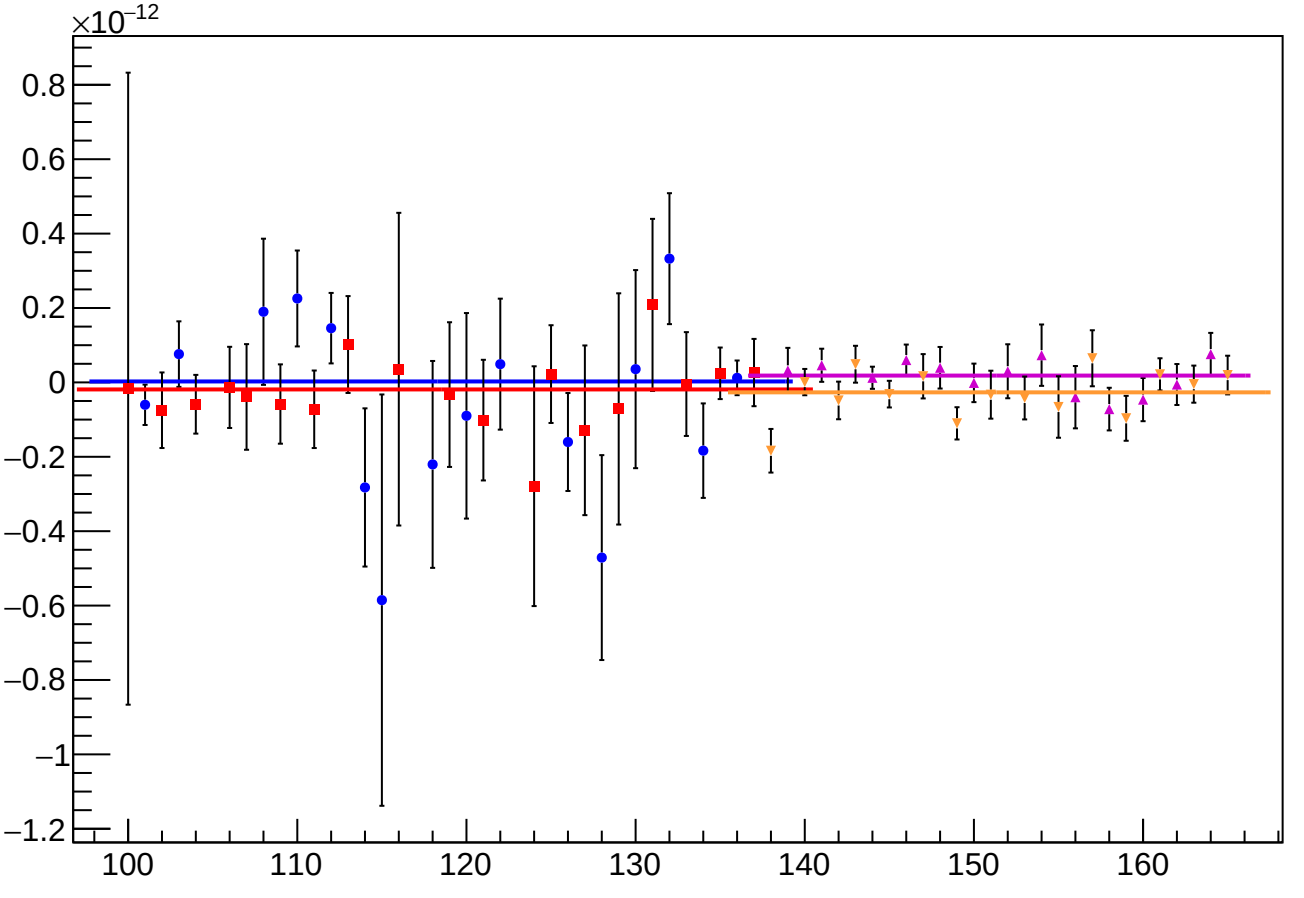
Left: 1153.700+/-0.173 χ^2/NDF: 1057746.9/27

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1200.504+/-0.205 χ^2/NDF:1716366.9/28

Out: 1178.037+/-0.195 χ^2/NDF:2003222.7/33

All: 1188.752+/-0.141 χ^2/NDF: 3725891.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/12

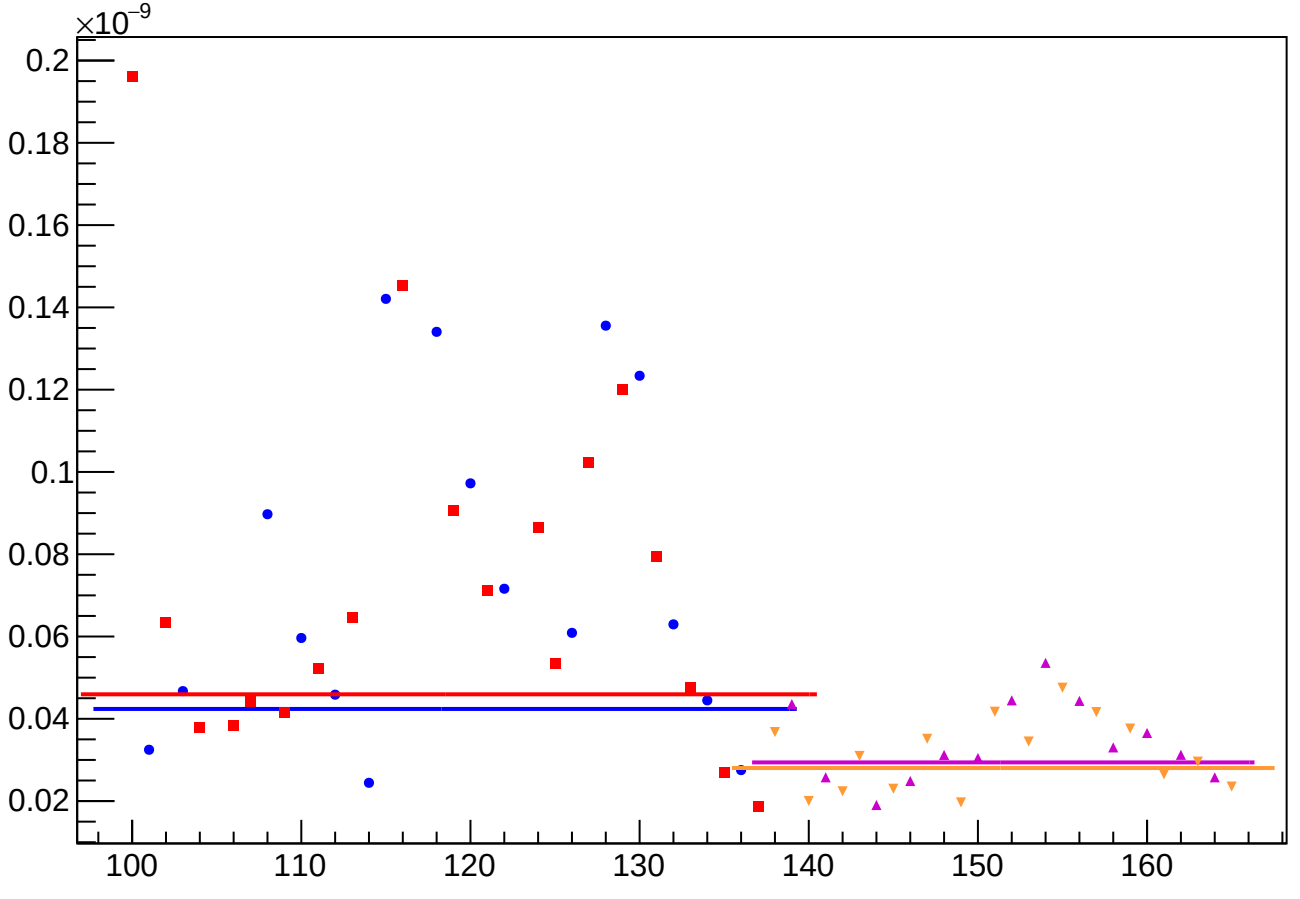
Left: -0.000+/-0.000 χ^2/NDF: 33.0/27

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:30.1/28

Out: -0.000+/-0.000 χ^2/NDF:24.7/33

All: -0.000+/-0.000 χ^2/NDF: 60.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:683143.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:762192.1/12

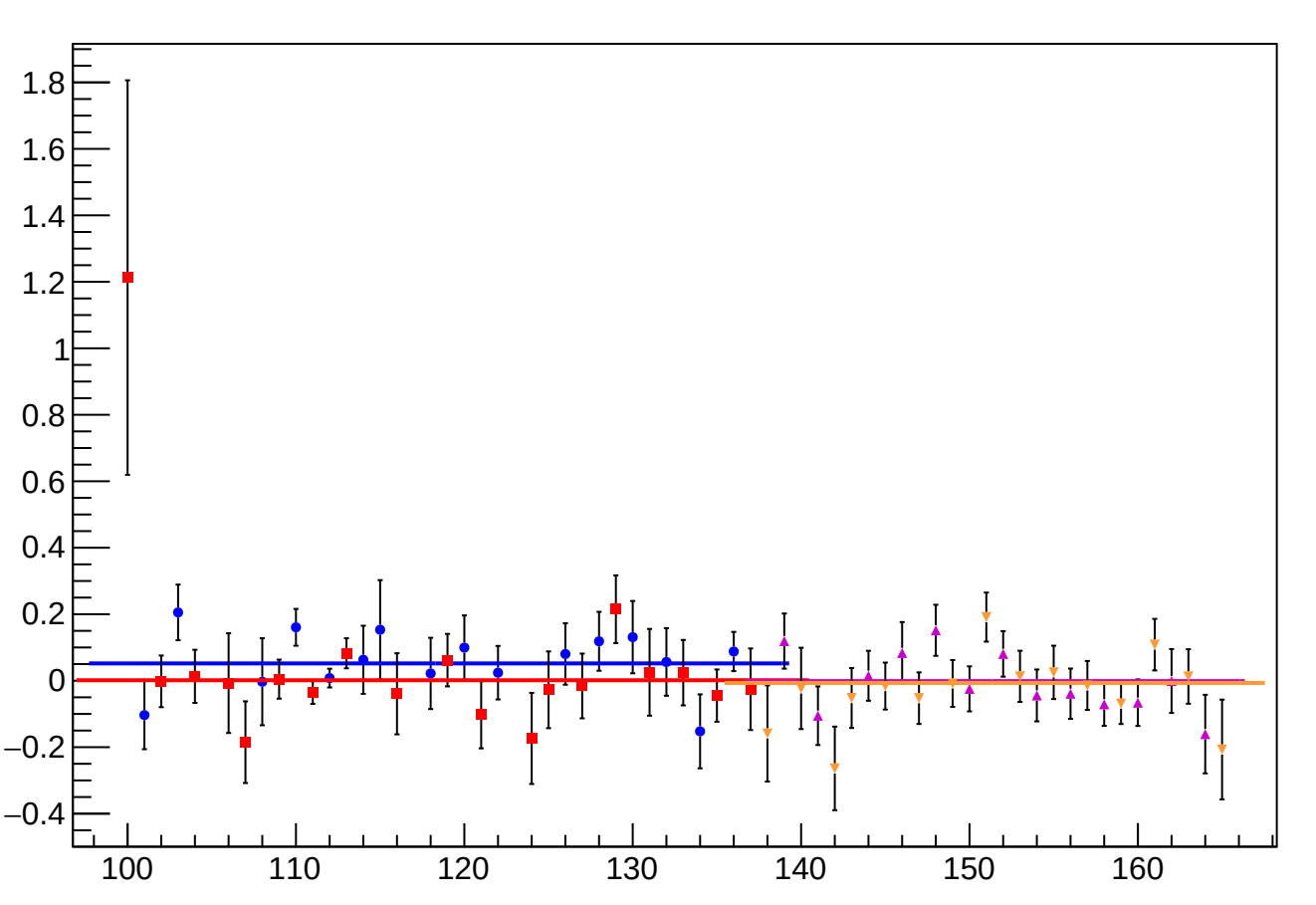
Left: 0.000+/-0.000 χ^2/NDF: 1455335.9/27

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2468970.4/28

Out: 0.000+/-0.000 χ^2/NDF:2442006.1/33

All: 0.000+/-0.000 χ^2/NDF: 4920981.2/62



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

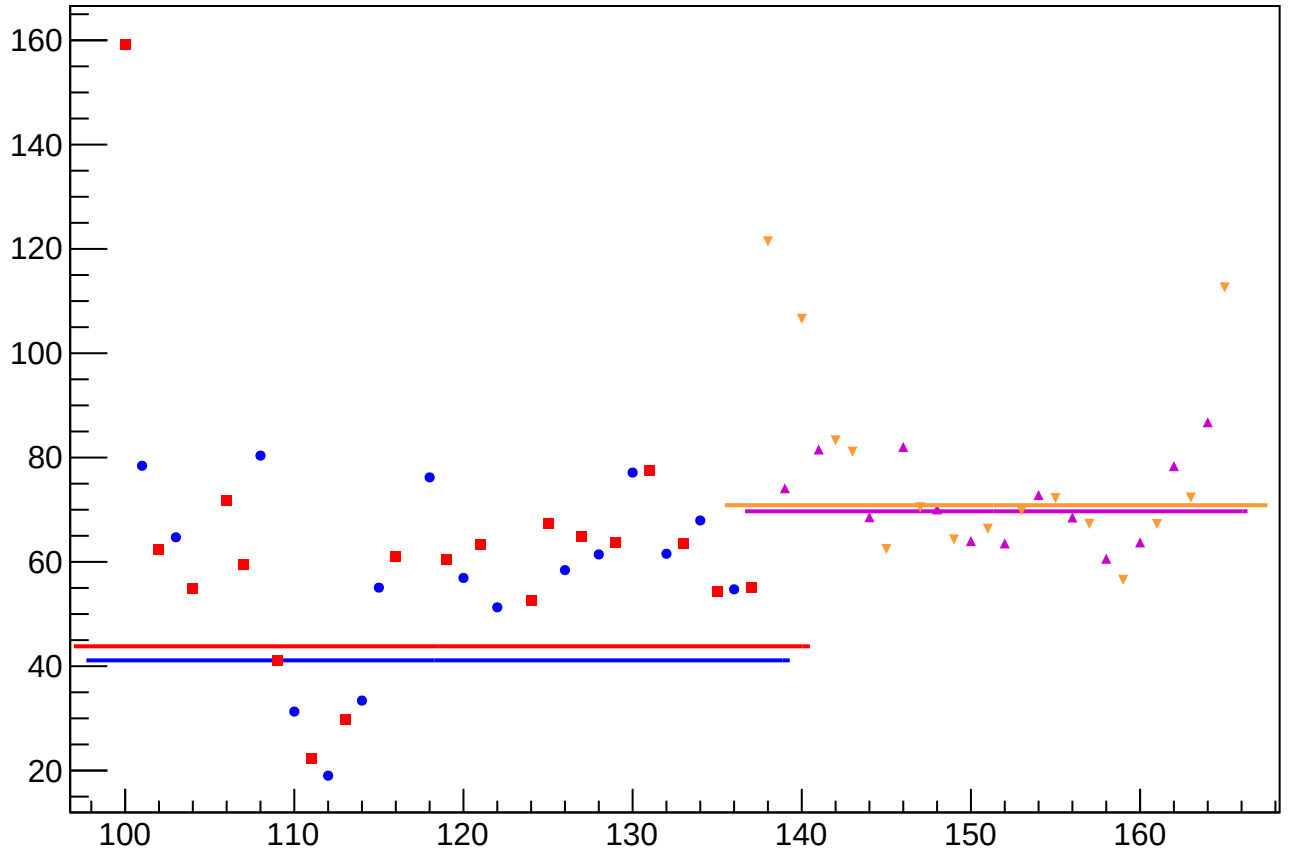
Left: -0.004+/-0.015 χ^2/NDF: 32.7/27

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.014+/-0.010 χ^2/NDF: 76.4/62



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.866+/-0.015 χ^2/NDF:787894.5/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

Left: 70.290+/-0.011 χ^2/NDF: 1014040.0/27

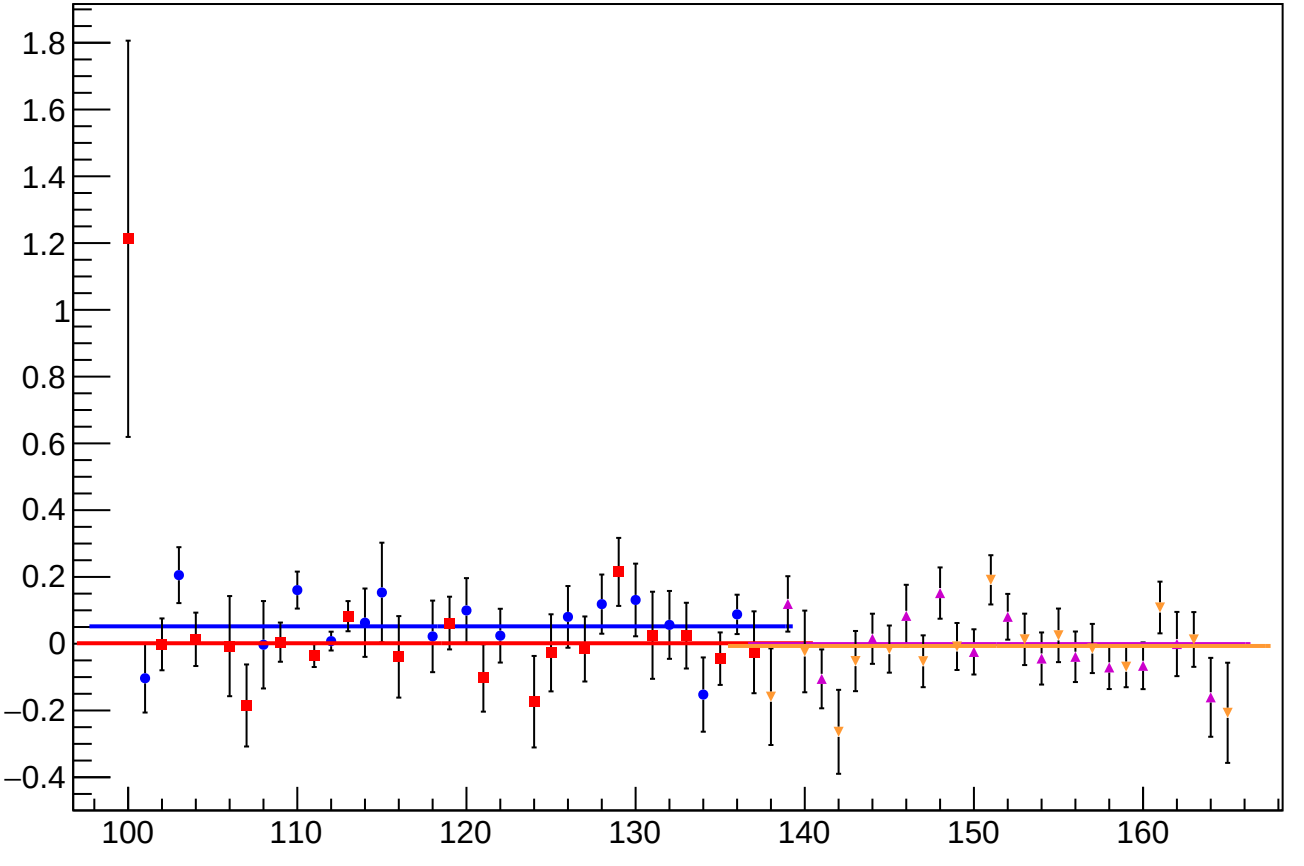
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.605+/-0.010 χ^2/NDF:5226679.2/28

Out: 54.979+/-0.010 χ^2/NDF:4715954.2/33

All: 53.792+/-0.007 χ^2/NDF: 9972479.2/62

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

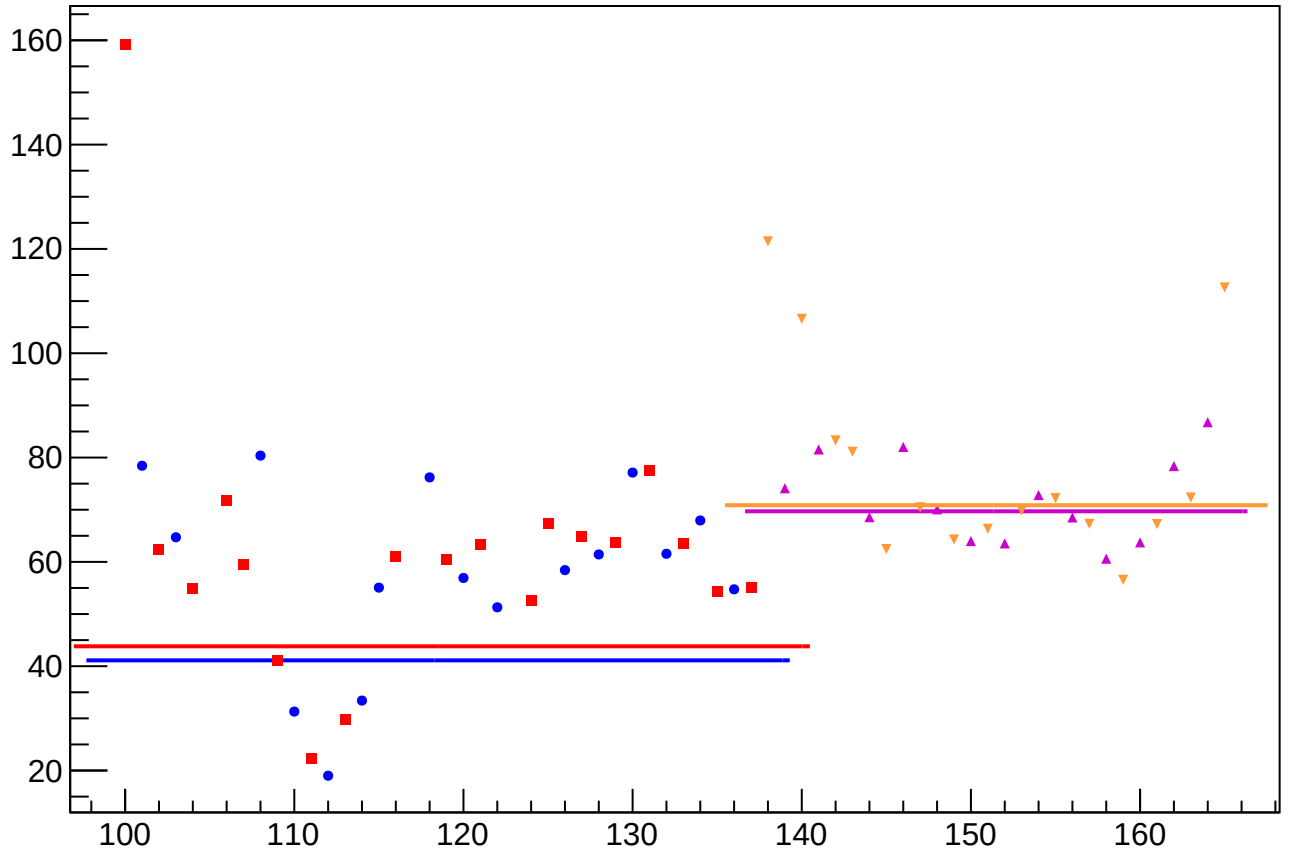
Left: -0.004+/-0.015 χ^2/NDF: 32.7/27

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.014+/-0.010 χ^2/NDF: 76.4/62



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.866+/-0.015 χ^2/NDF:787894.5/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

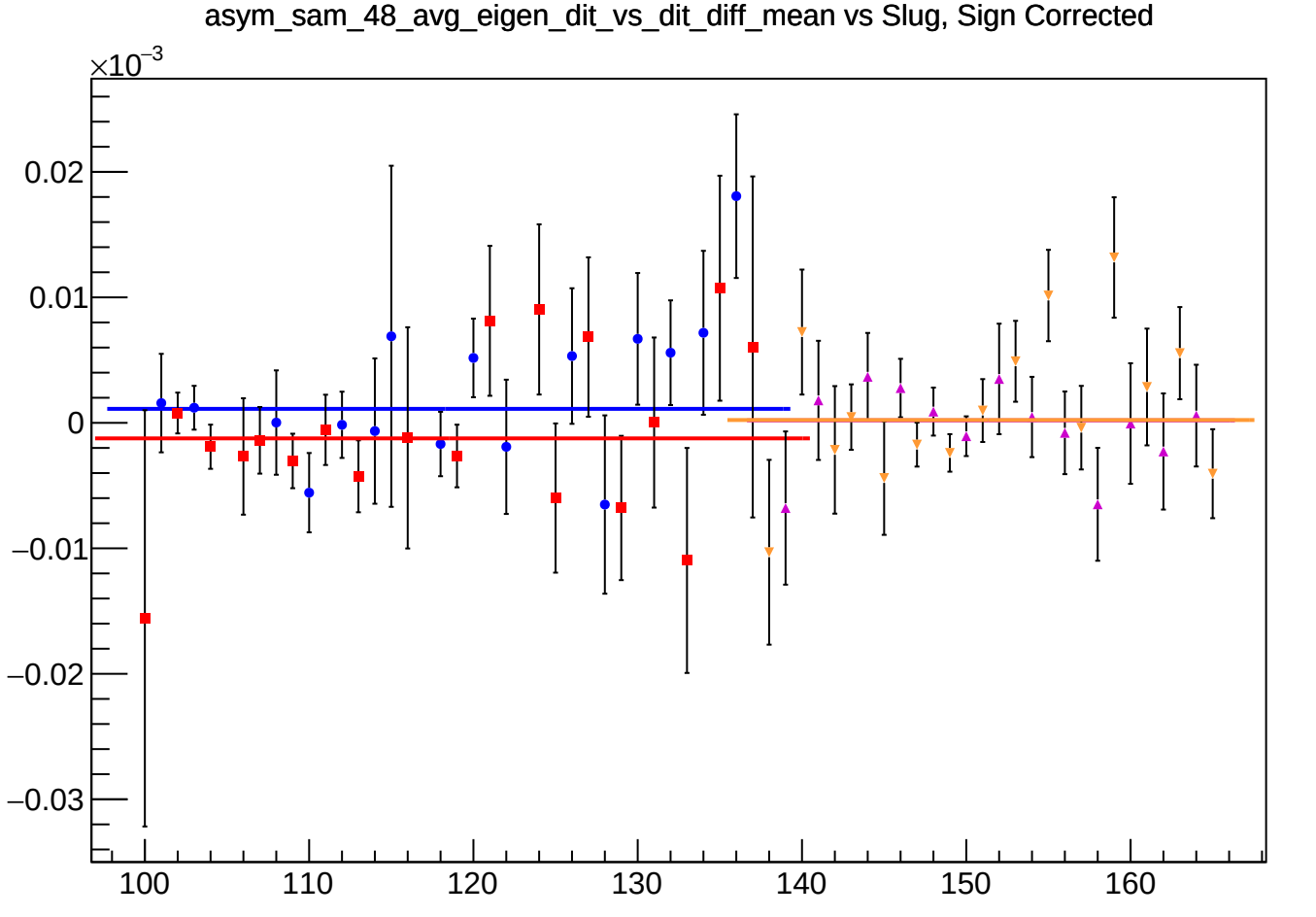
Left: 70.290+/-0.011 χ^2/NDF: 1014040.0/27

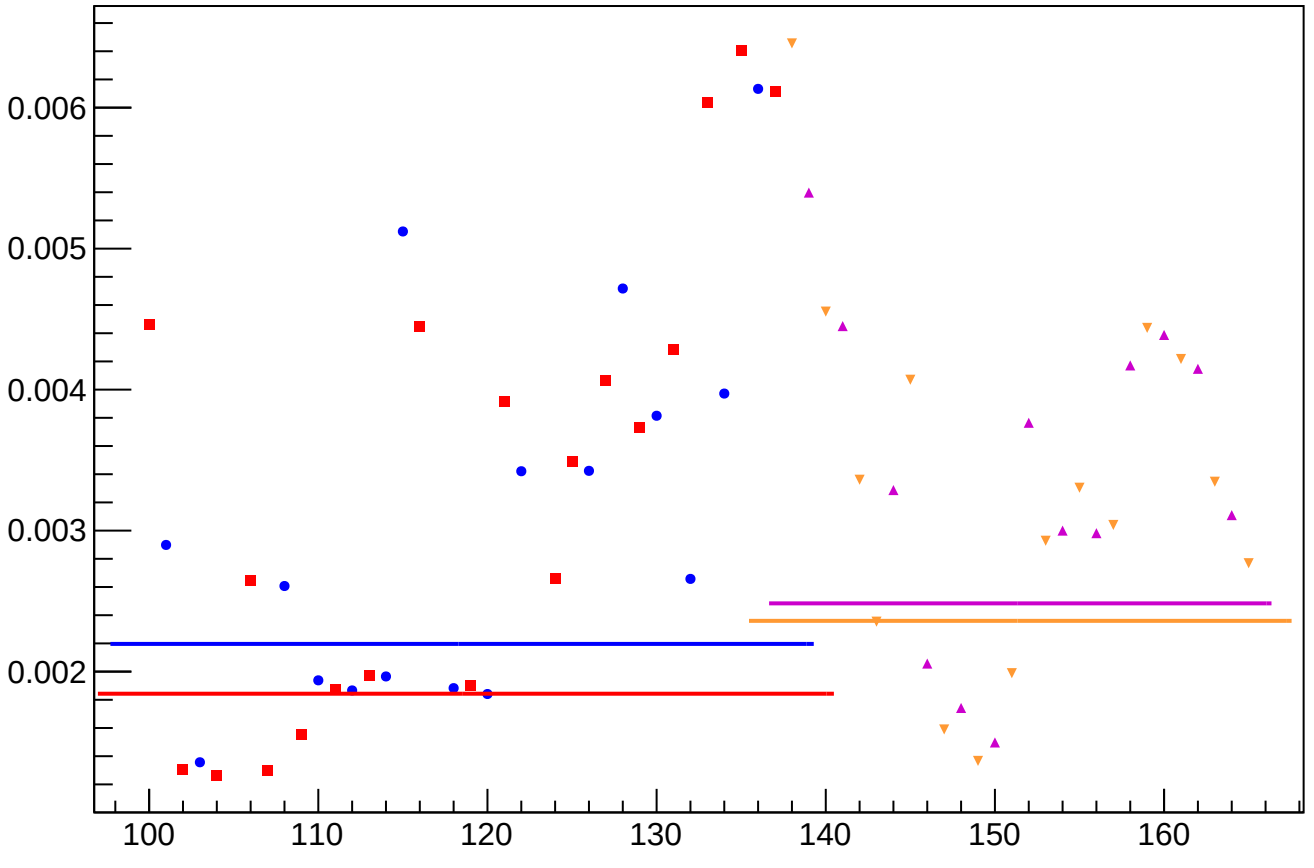
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.605+/-0.010 χ^2/NDF:5226679.2/28

Out: 54.979+/-0.010 χ^2/NDF:4715954.2/33

All: 53.792+/-0.007 χ^2/NDF: 9972479.2/62


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
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:30.4/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.6/12
Left: 0.000+/-0.000 χ²/NDF: 38.0/27
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:28.0/28
Out: -0.000+/-0.000 χ²/NDF:48.2/33
All: -0.000+/-0.000 χ²/NDF: 78.1/62



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3826411.1/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3218108.7/12

Left: 0.002+/-0.000 χ^2/NDF: 7068776.3/27

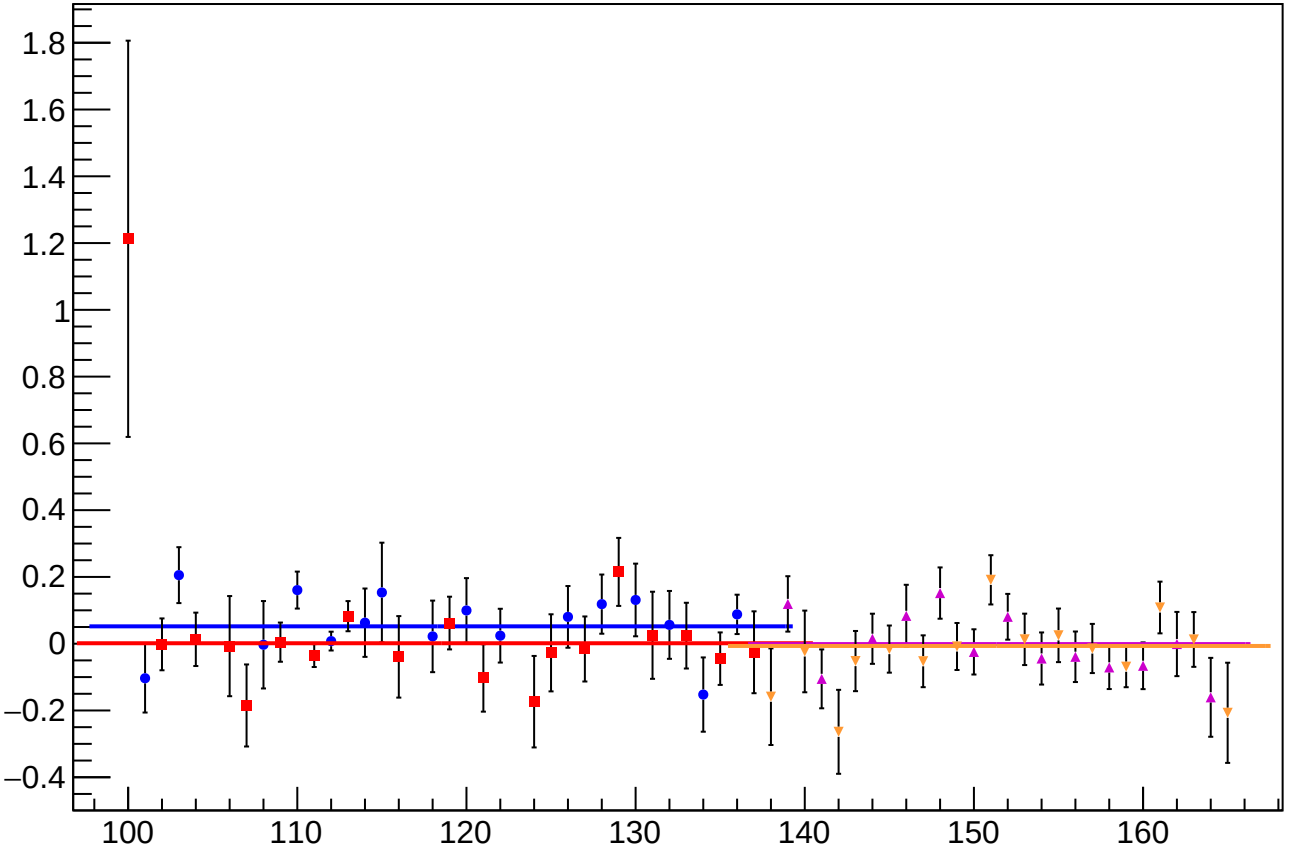
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5620299.1/28

Out: 0.002+/-0.000 χ^2/NDF:7423987.0/33

All: 0.002+/-0.000 χ^2/NDF: 13232363.5/62

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: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

Left: -0.004+/-0.015 χ^2/NDF: 32.7/27

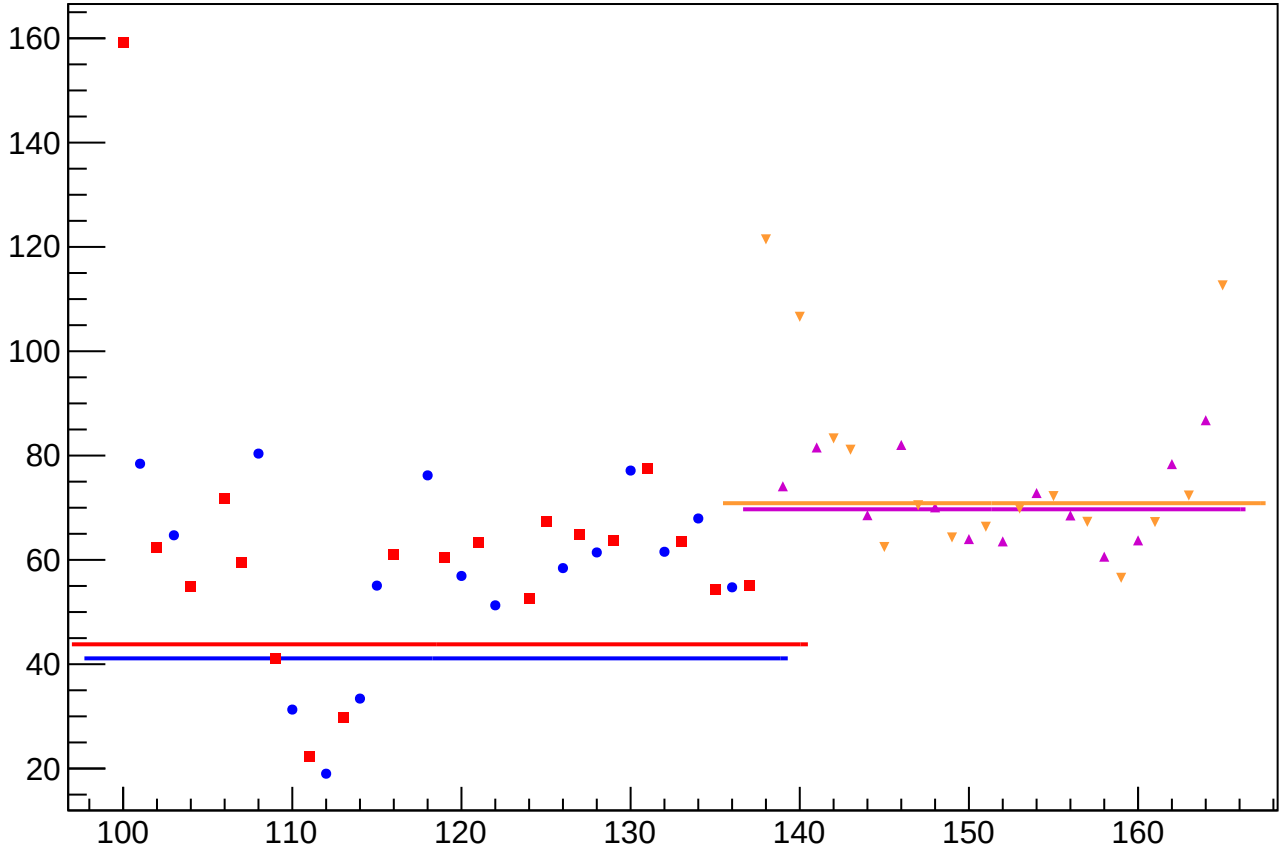
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.014+/-0.010 χ^2/NDF: 76.4/62

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: 70.867+/-0.015 χ^2/NDF:787875.4/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

Left: 70.291+/-0.011 χ^2/NDF: 1014021.0/27

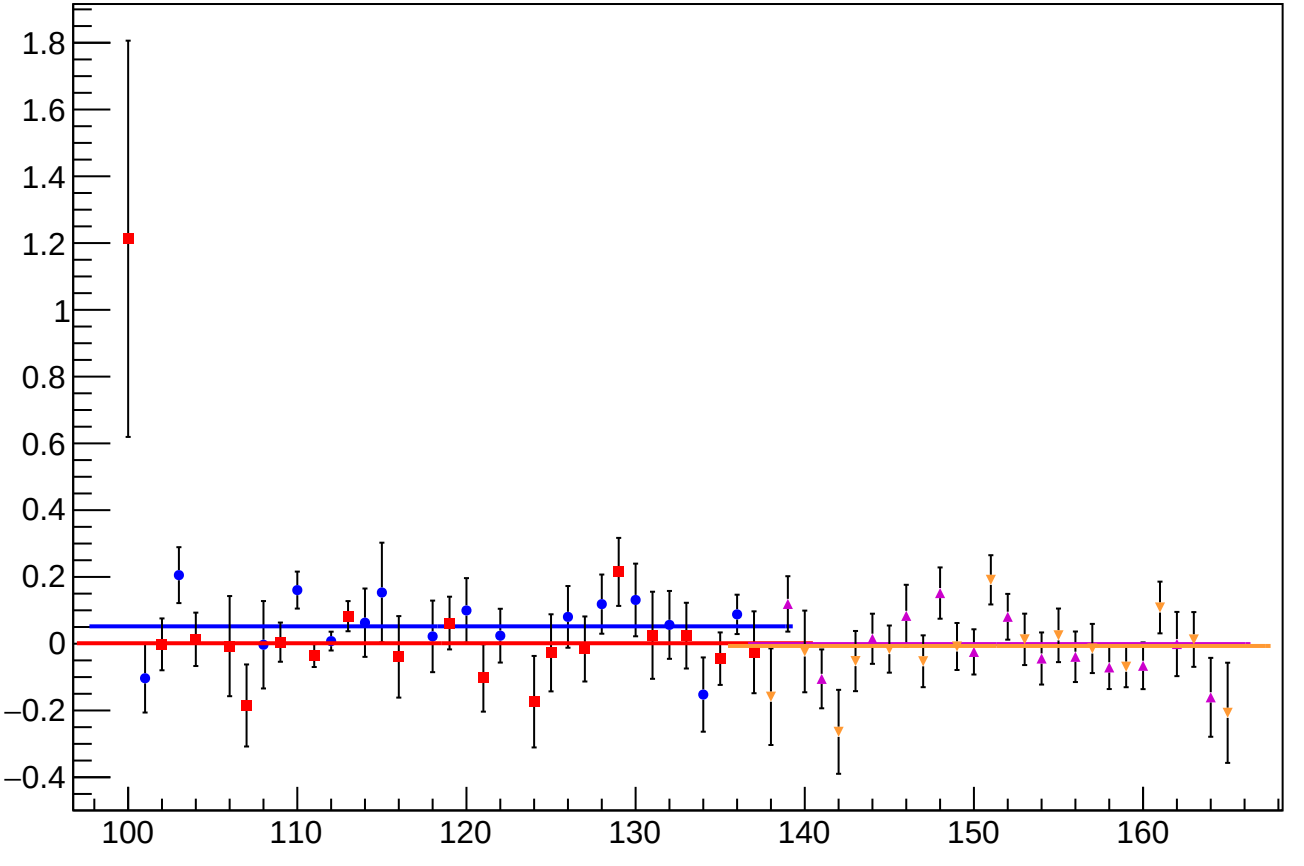
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.604+/-0.010 χ^2/NDF:5227079.7/28

Out: 54.978+/-0.010 χ^2/NDF:4716339.1/33

All: 53.792+/-0.007 χ^2/NDF: 9973266.8/62

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: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

Left: -0.004+/-0.015 χ^2/NDF: 32.7/27

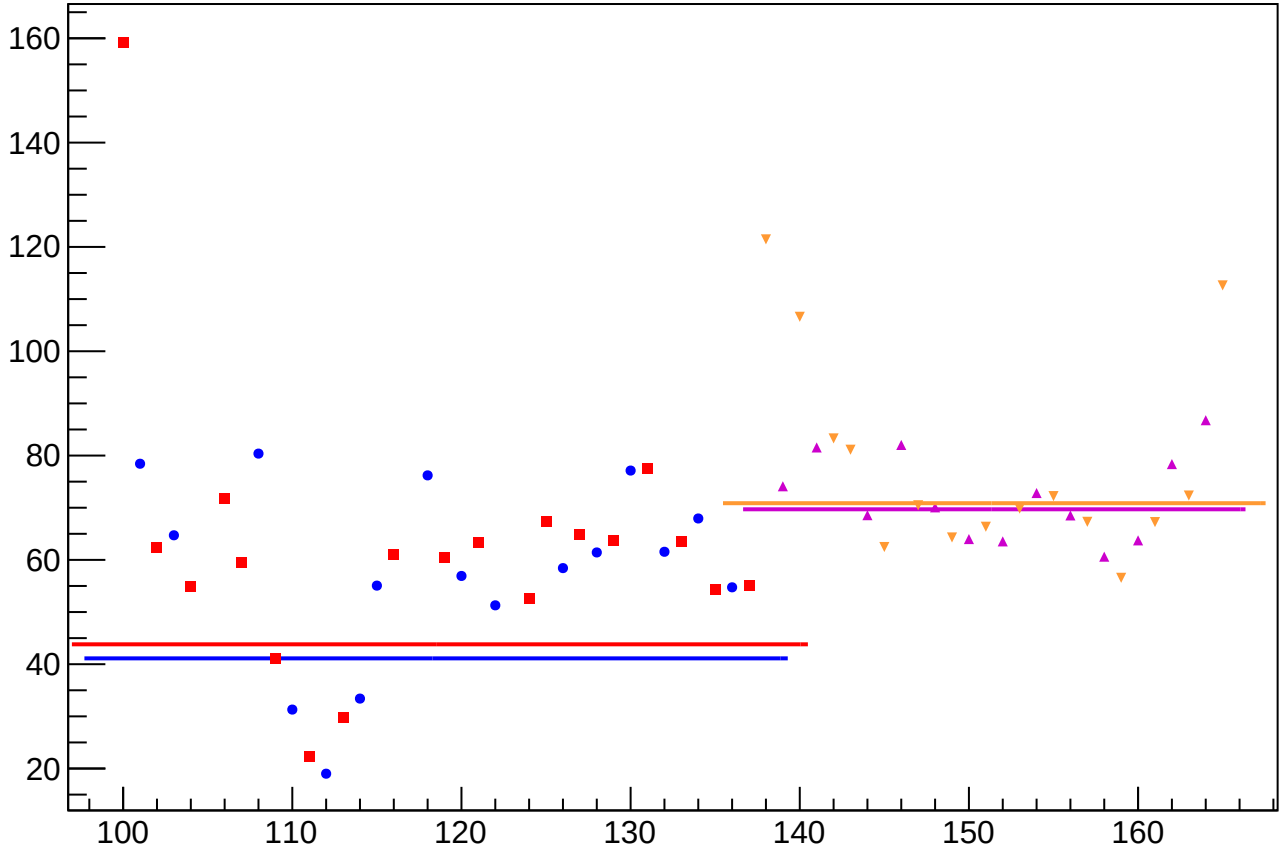
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.014+/-0.010 χ^2/NDF: 76.4/62

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: 70.867+/-0.015 χ^2/NDF:787875.4/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

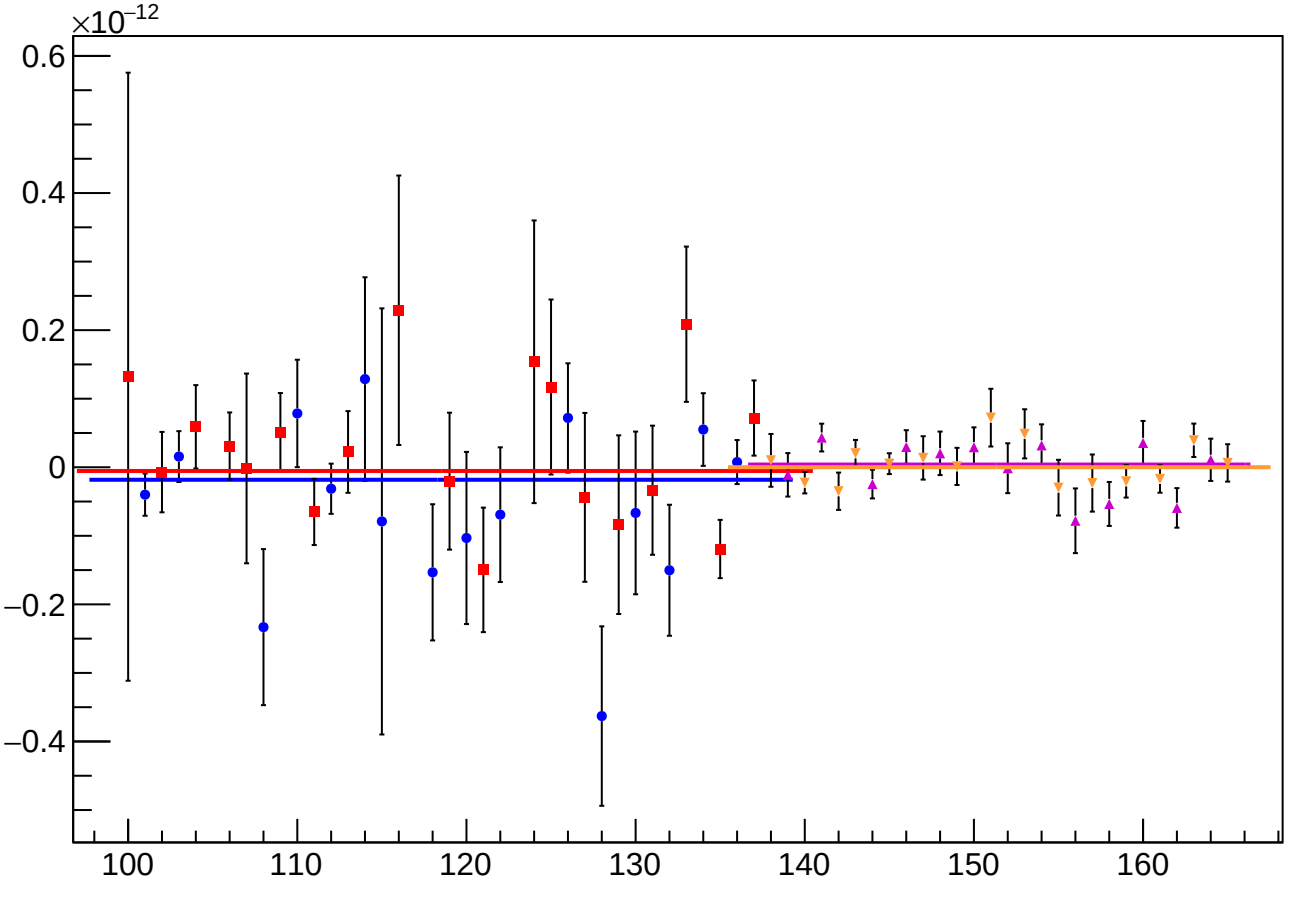
Left: 70.291+/-0.011 χ^2/NDF: 1014021.0/27

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.604+/-0.010 χ^2/NDF:5227079.7/28

Out: 54.978+/-0.010 χ^2/NDF:4716339.1/33

All: 53.792+/-0.007 χ^2/NDF: 9973266.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.9/12

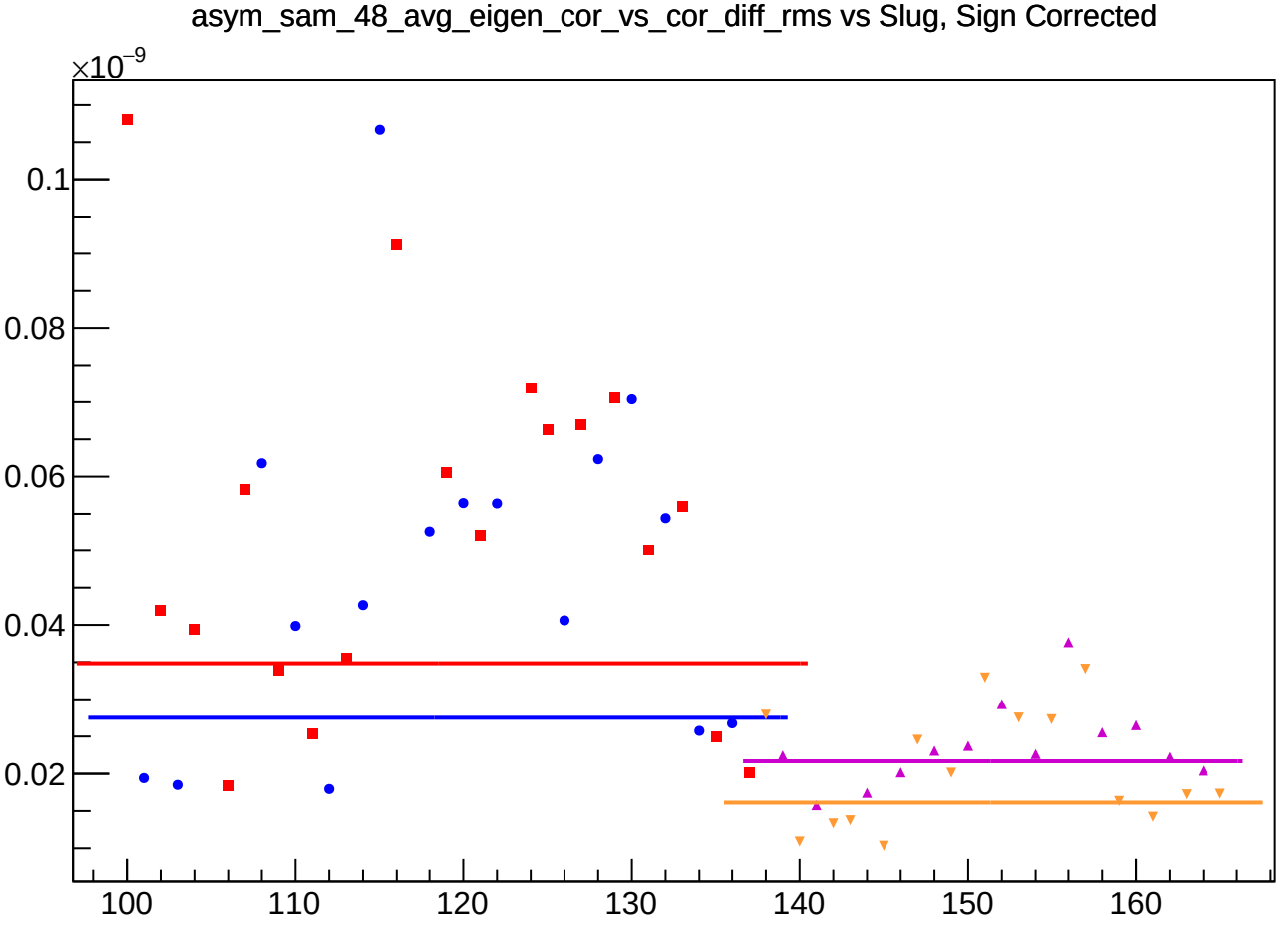
Left: 0.000+/-0.000 χ^2/NDF: 36.0/27

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:45.7/28

Out: -0.000+/-0.000 χ^2/NDF:38.4/33

All: -0.000+/-0.000 χ^2/NDF: 84.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009519.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:674126.4/12

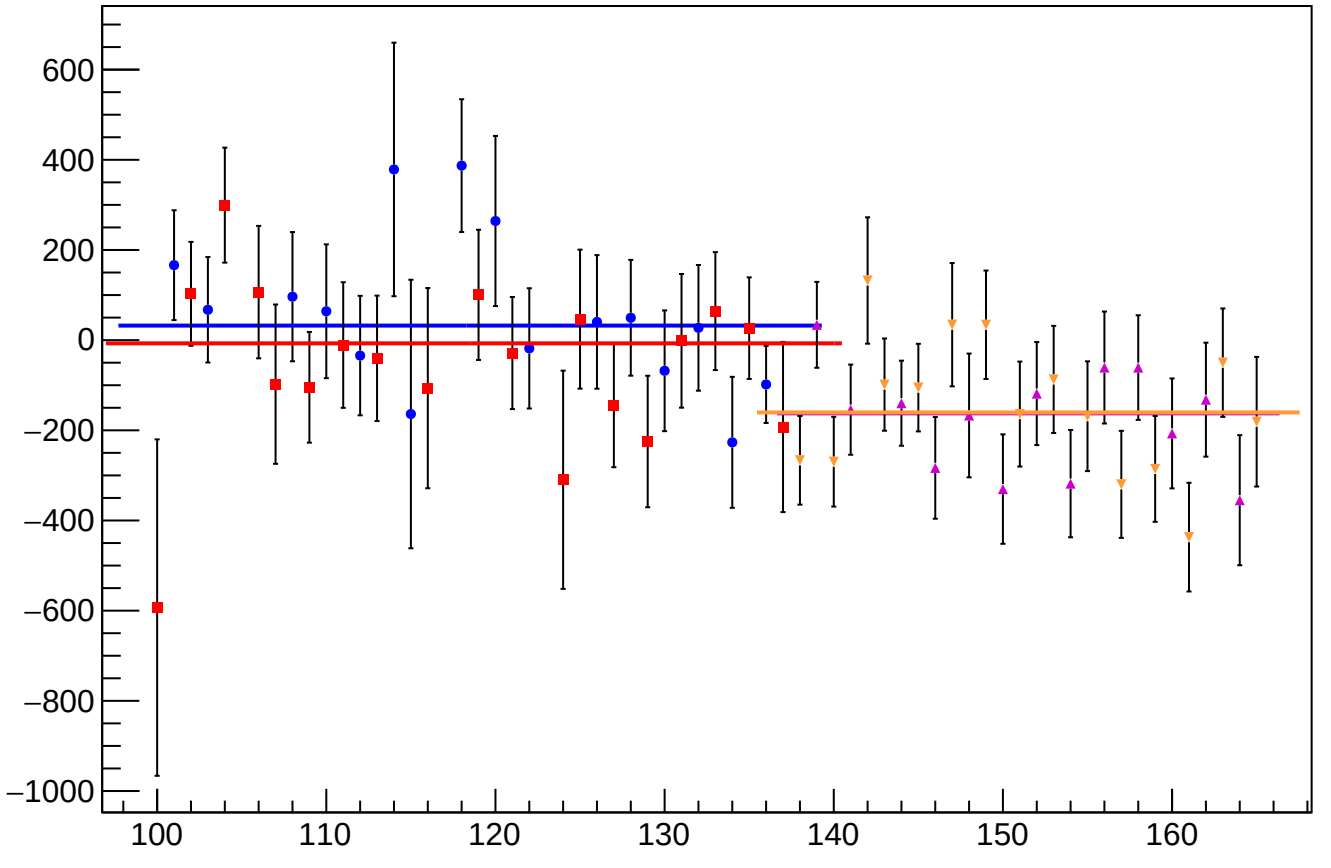
Left: 0.000+/-0.000 χ^2/NDF: 3288471.5/27

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2726695.6/28

Out: 0.000+/-0.000 χ^2/NDF:5888996.1/33

All: 0.000+/-0.000 χ^2/NDF: 9122452.9/62



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.311+/-29.860 χ^2/NDF:21.5/14

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -162.381+/-31.843 χ^2/NDF:12.6/12

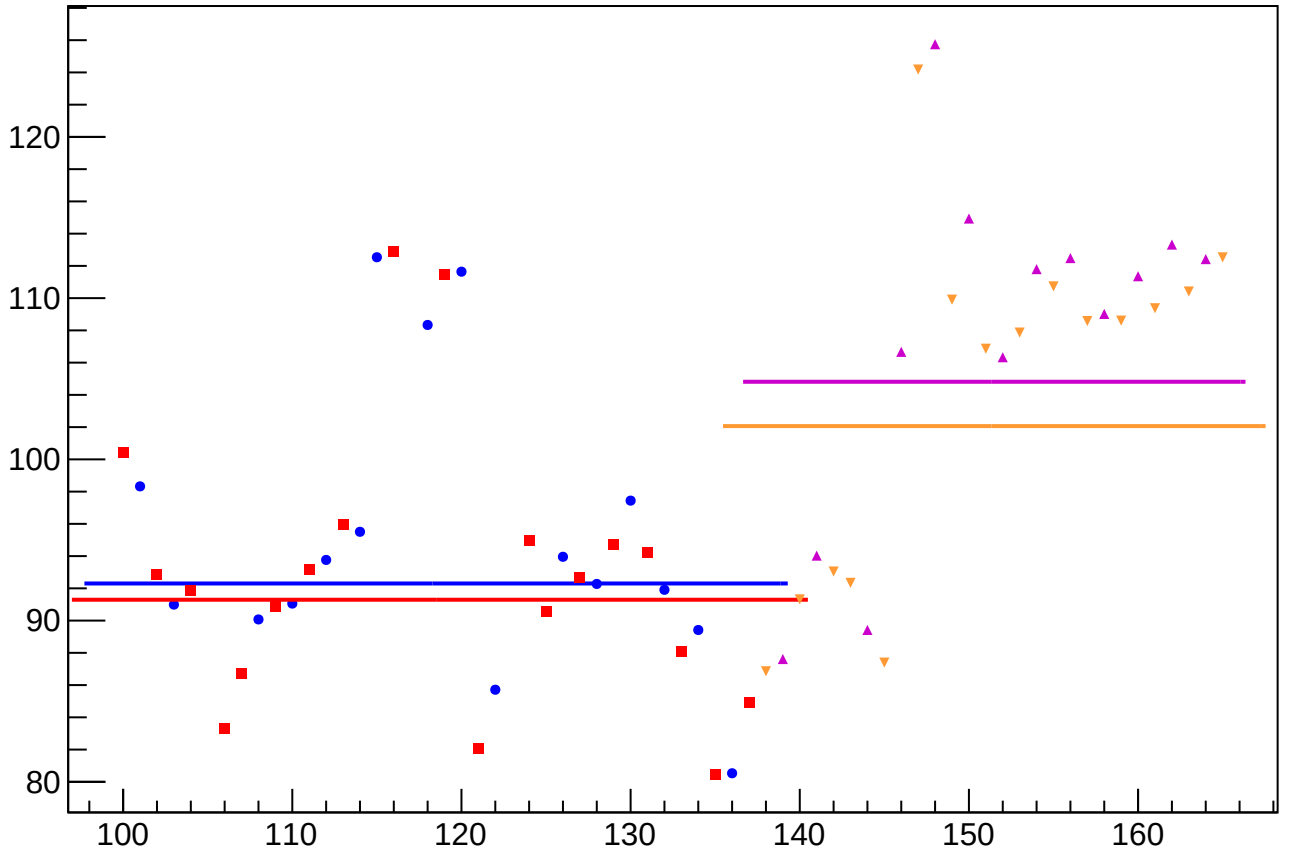
Left: -161.280+/-21.781 χ^2/NDF: 34.2/27

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -72.626+/-23.377 χ^2/NDF:47.2/28

Out: -92.285+/-22.267 χ^2/NDF:51.0/33

All: -82.934+/-16.123 χ^2/NDF: 98.5/62



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

Left: 103.350+/-0.015 χ^2/NDF: 510612.2/27

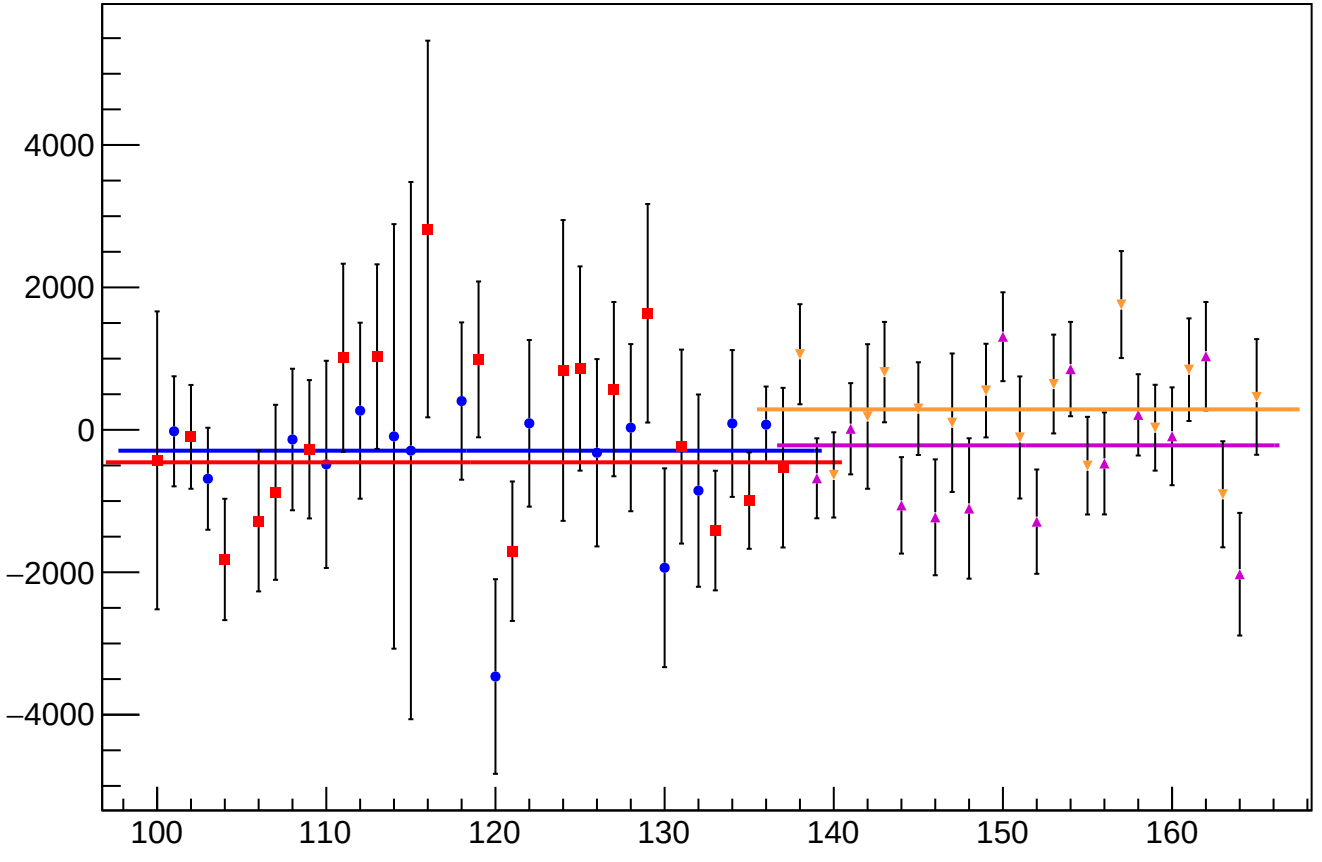
Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 99.045+/-0.017 χ^2/NDF:489948.3/28

Out: 97.282+/-0.016 χ^2/NDF:482716.5/33

All: 98.121+/-0.011 χ^2/NDF: 978627.1/62

asym_sam_15_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.485+/-186.106 χ^2/NDF:13.4/14

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -218.033+/-191.542 χ^2/NDF:23.3/12

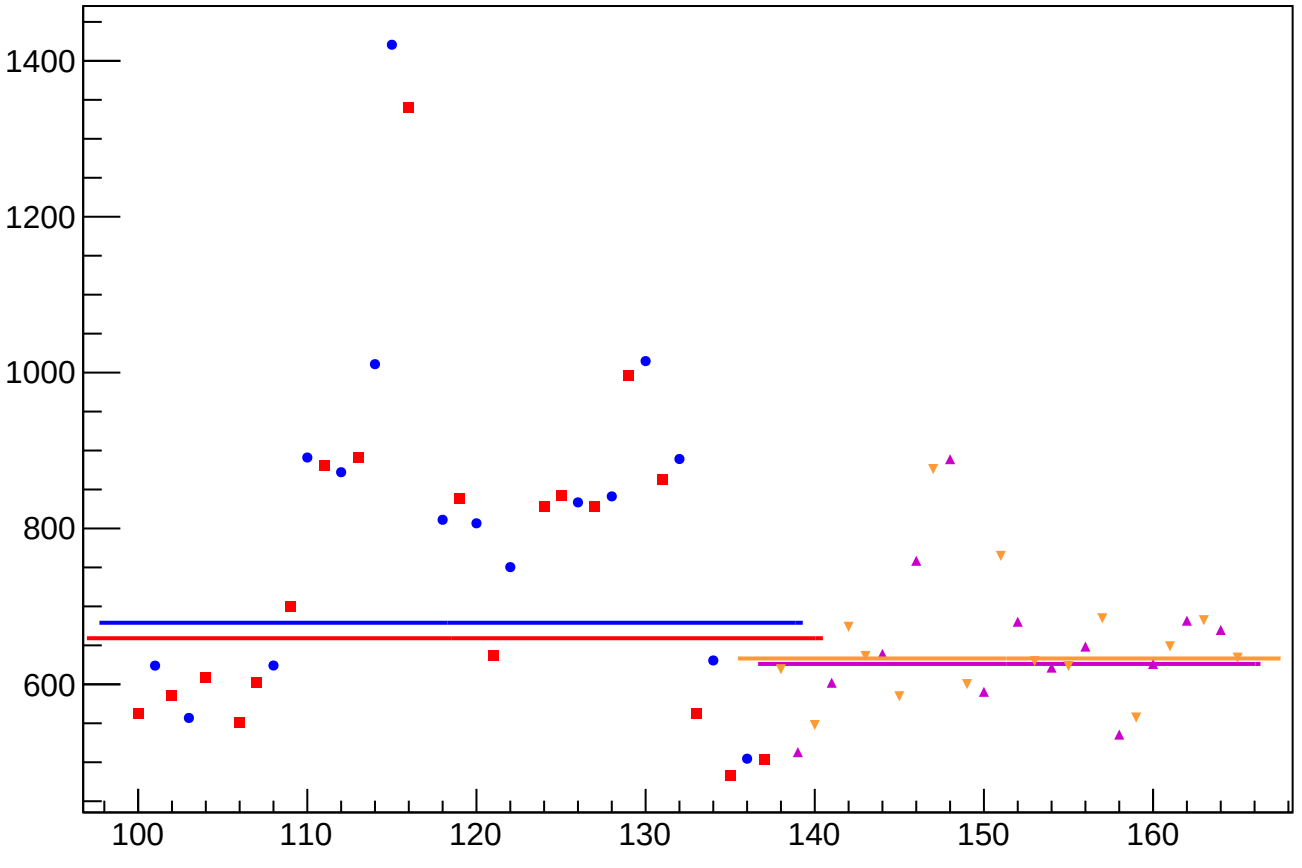
Left: 42.002+/-133.477 χ^2/NDF: 40.2/27

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -244.360+/-154.148 χ^2/NDF:32.1/28

Out: 20.685+/-149.009 χ^2/NDF:36.0/33

All: -107.345+/-107.136 χ^2/NDF: 69.6/62



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.171+/-0.132 χ^2/NDF:284142.8/14

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 626.151+/-0.135 χ^2/NDF:365622.5/12

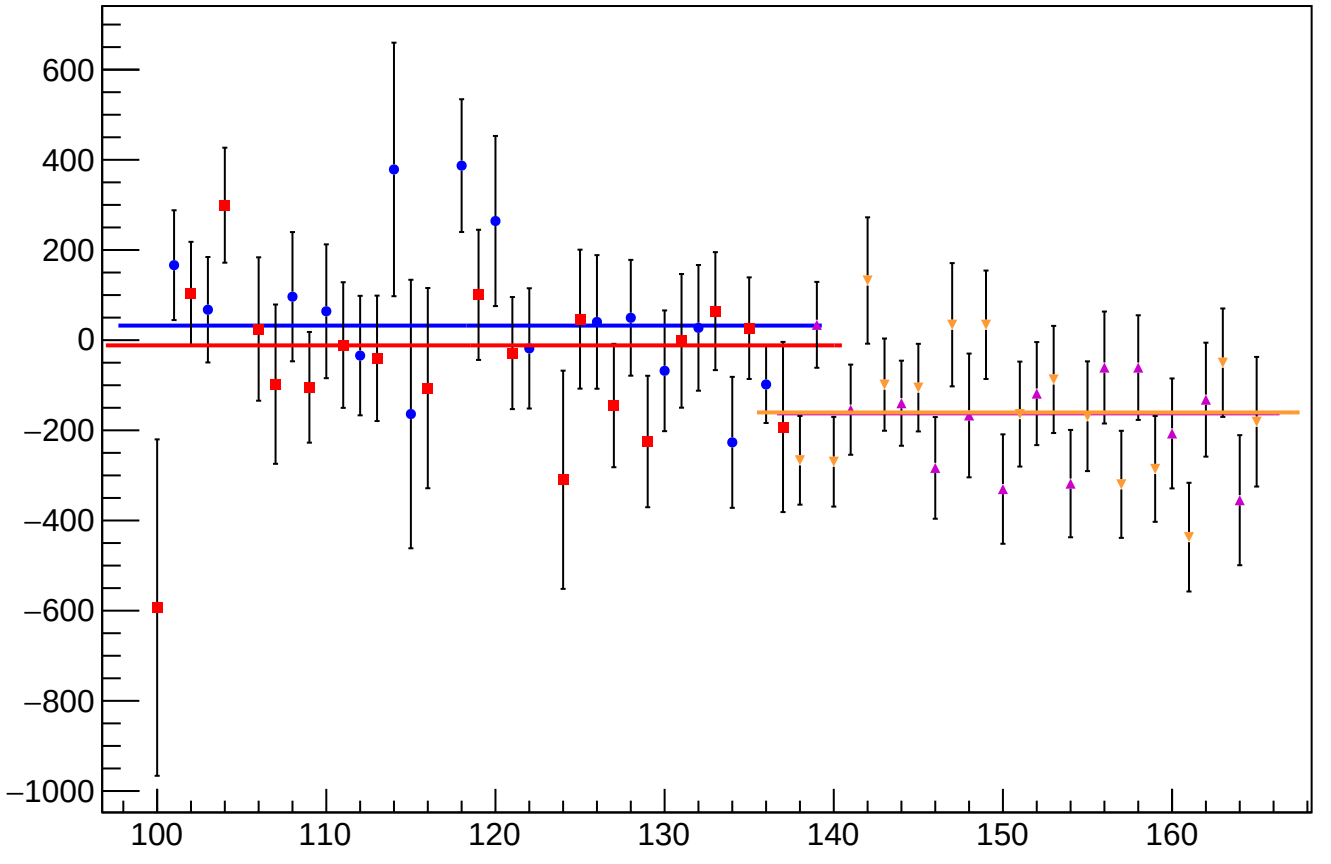
Left: 629.762+/-0.094 χ^2/NDF: 651147.0/27

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 644.773+/-0.109 χ^2/NDF:1187256.9/28

Out: 642.490+/-0.105 χ^2/NDF:1093990.8/33

All: 643.593+/-0.076 χ^2/NDF: 2281474.5/62



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.308+/-29.860 χ^2/NDF:21.5/14

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -162.384+/-31.843 χ^2/NDF:12.6/12

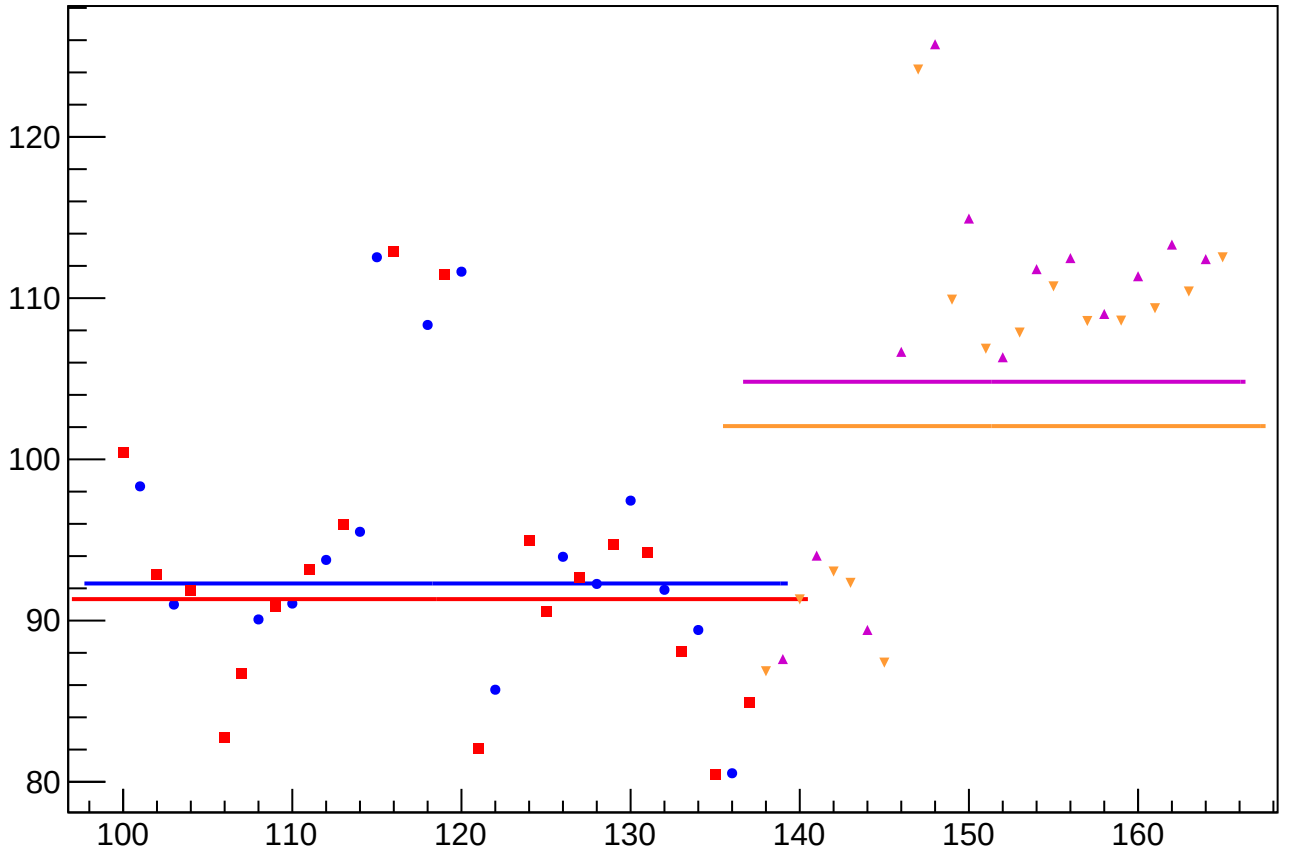
Left: -161.279+/-21.781 χ^2/NDF: 34.2/27

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -72.620+/-23.377 χ^2/NDF:47.2/28

Out: -94.565+/-22.305 χ^2/NDF:49.7/33

All: -84.108+/-16.138 χ^2/NDF: 97.3/62



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

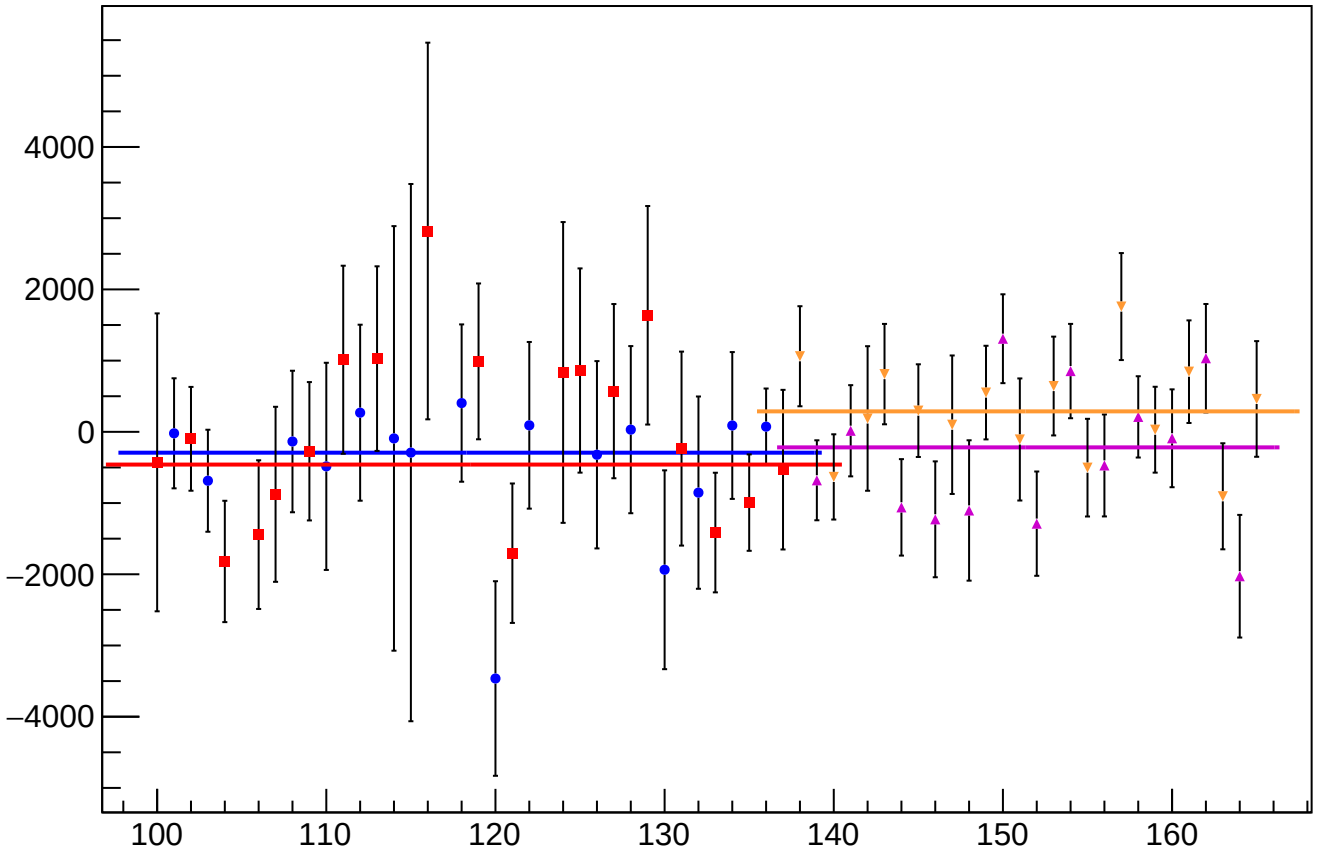
Left: 103.350+/-0.015 χ^2/NDF: 510612.3/27

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.045+/-0.017 χ^2/NDF:489948.2/28

Out: 97.320+/-0.016 χ^2/NDF:481227.9/33

All: 98.142+/-0.011 χ^2/NDF: 976879.1/62



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.483+/-186.106 χ^2/NDF:13.4/14

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -218.034+/-191.542 χ^2/NDF:23.3/12

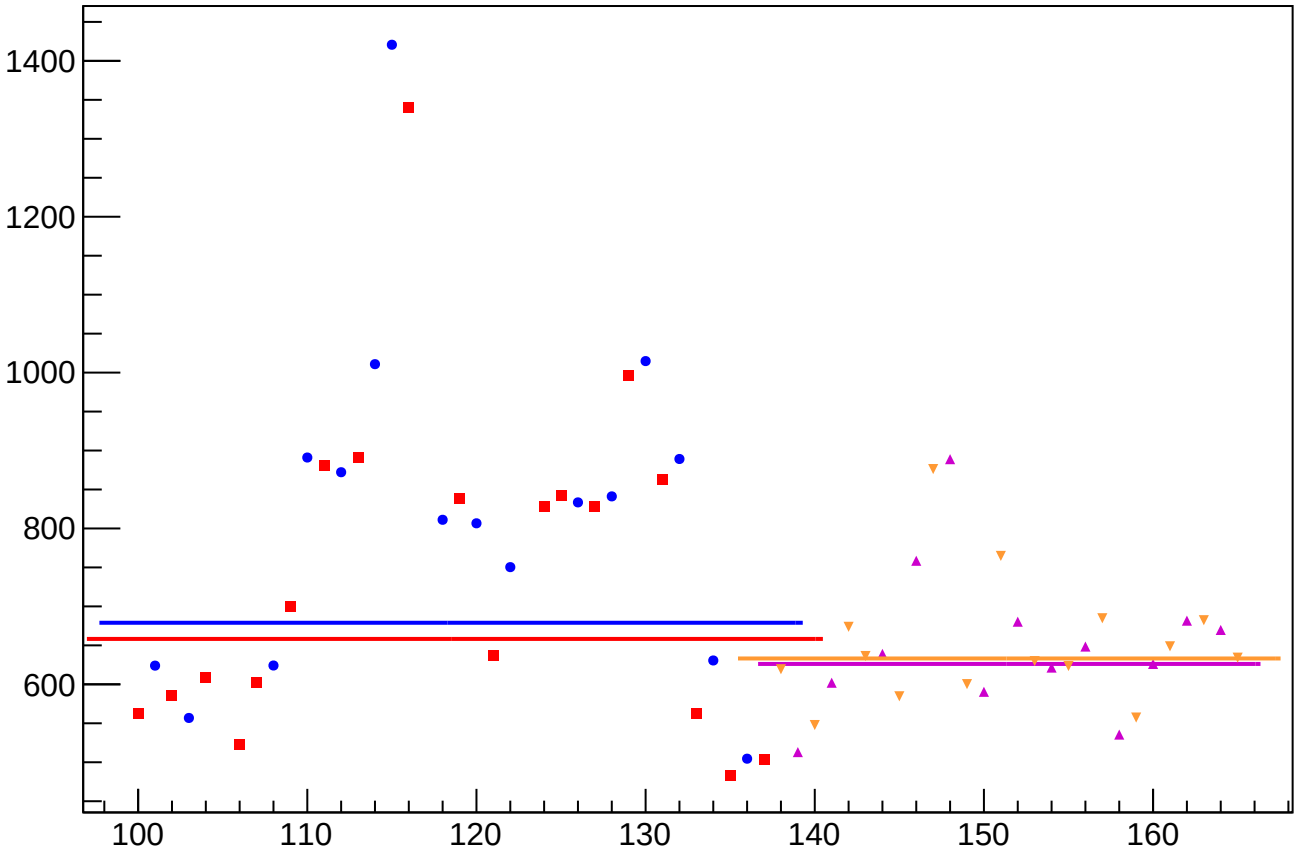
Left: 42.000+/-133.477 χ^2/NDF: 40.2/27

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -244.361+/-154.148 χ^2/NDF:32.1/28

Out: 20.472+/-149.186 χ^2/NDF:36.2/33

All: -107.613+/-107.202 χ^2/NDF: 69.9/62



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.171+/-0.132 χ^2/NDF:284143.8/14

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

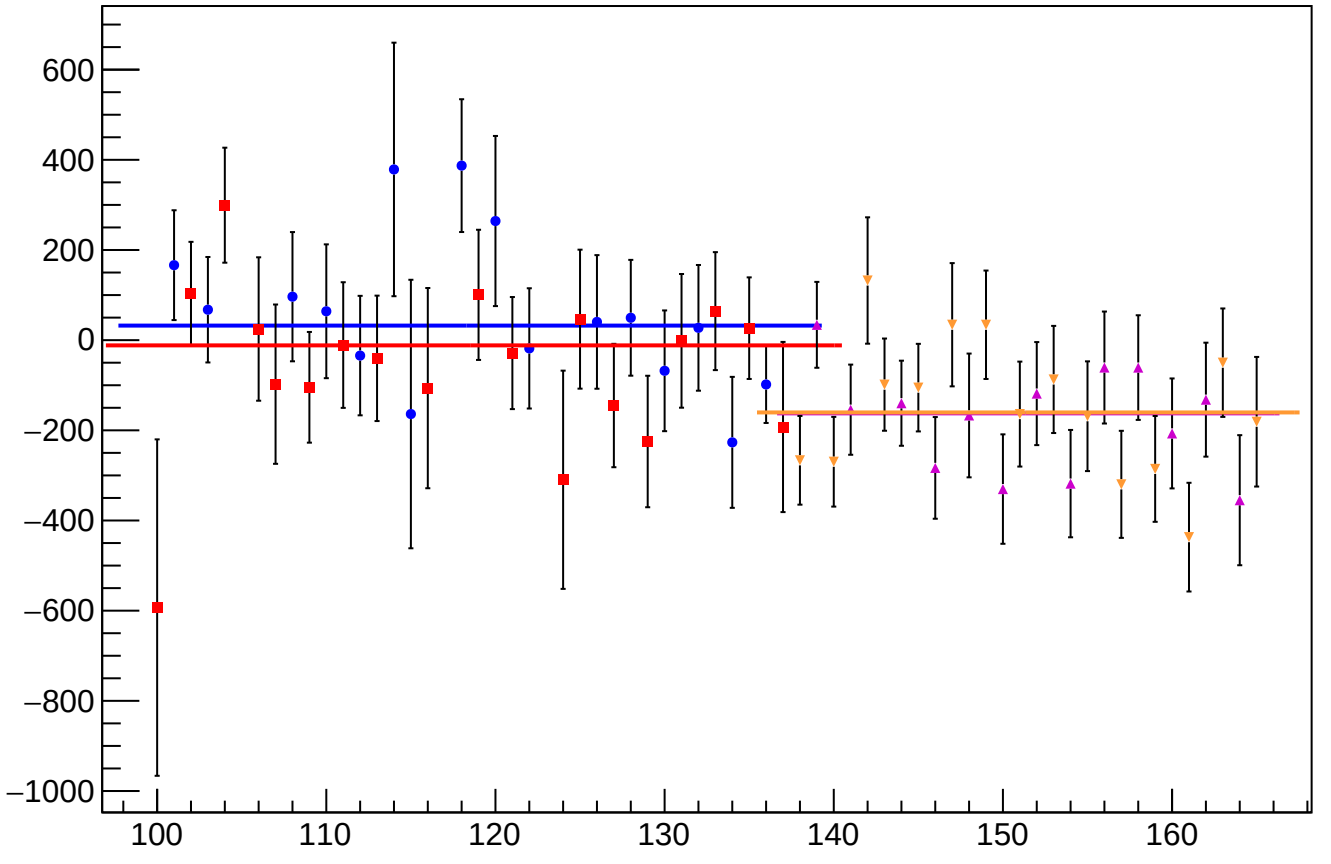
Left: 629.763+/-0.094 χ^2/NDF: 651148.1/27

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.773+/-0.109 χ^2/NDF:1187257.5/28

Out: 642.139+/-0.105 χ^2/NDF:1103034.5/33

All: 643.413+/-0.076 χ^2/NDF: 2290593.6/62



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.308+/-29.860 χ^2/NDF:21.5/14

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -162.384+/-31.843 χ^2/NDF:12.6/12

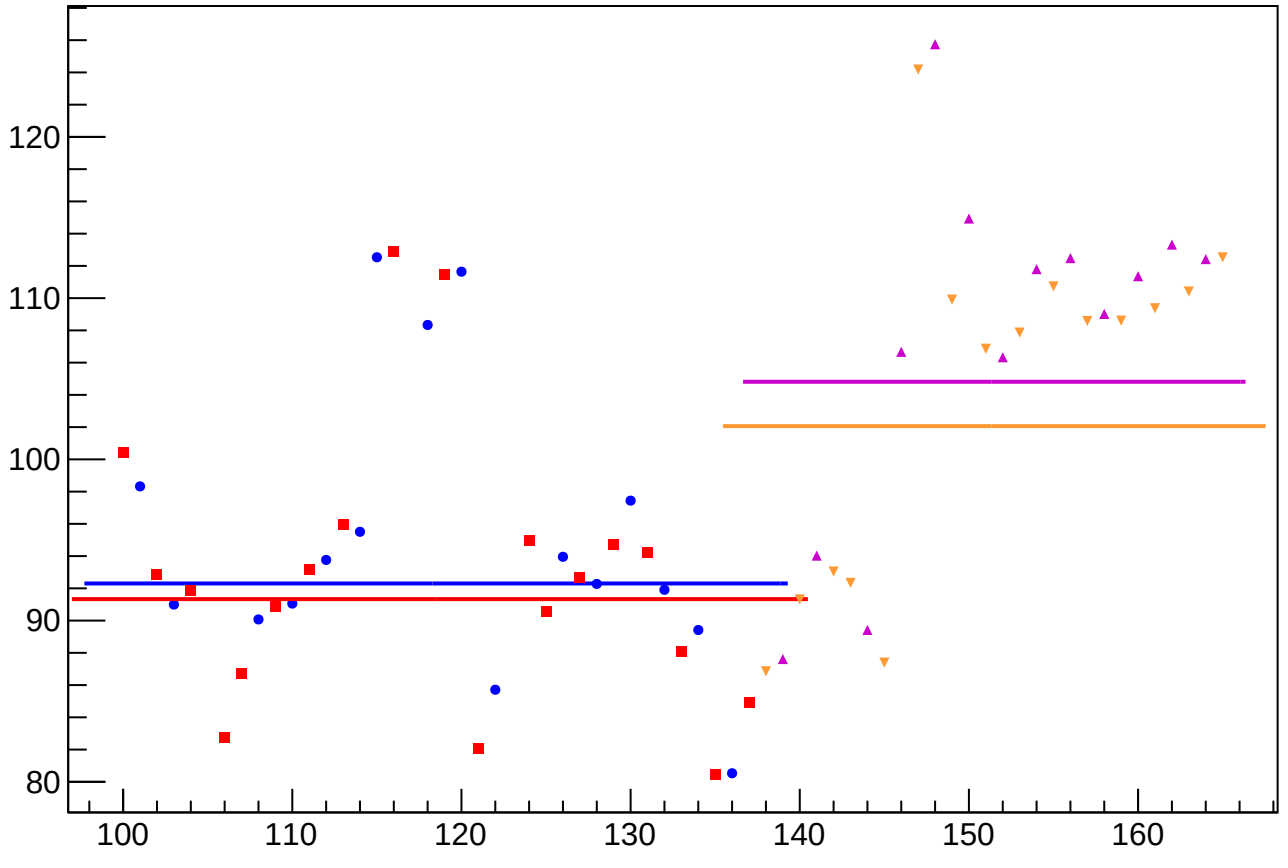
Left: -161.279+/-21.781 χ^2/NDF: 34.2/27

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -72.620+/-23.377 χ^2/NDF:47.2/28

Out: -94.565+/-22.305 χ^2/NDF:49.7/33

All: -84.108+/-16.138 χ^2/NDF: 97.3/62



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

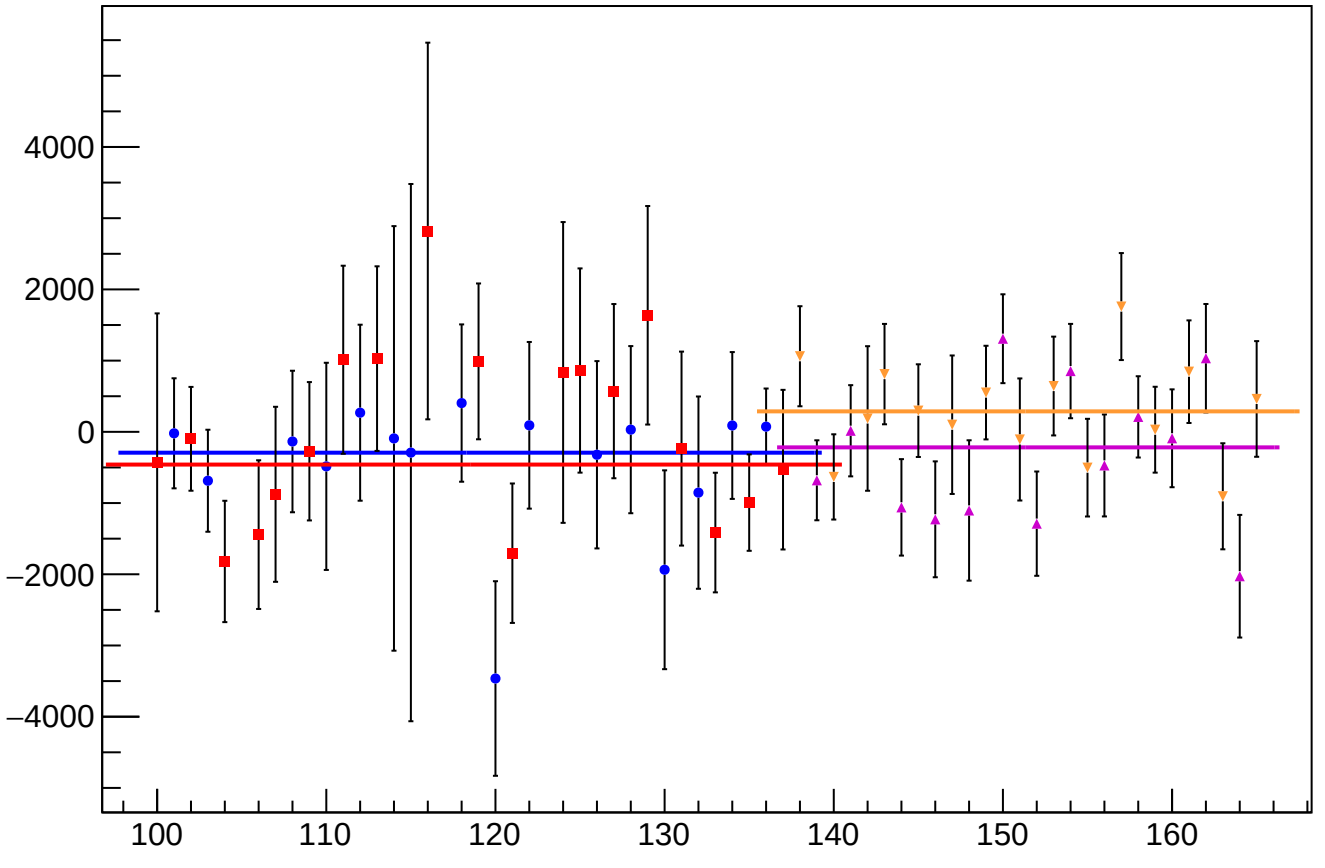
Left: 103.350+/-0.015 χ^2/NDF: 510612.3/27

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.045+/-0.017 χ^2/NDF:489948.2/28

Out: 97.320+/-0.016 χ^2/NDF:481227.9/33

All: 98.142+/-0.011 χ^2/NDF: 976879.1/62



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.483+/-186.106 χ^2/NDF:13.4/14

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -218.034+/-191.542 χ^2/NDF:23.3/12

Left: 42.000+/-133.477 χ^2/NDF: 40.2/27

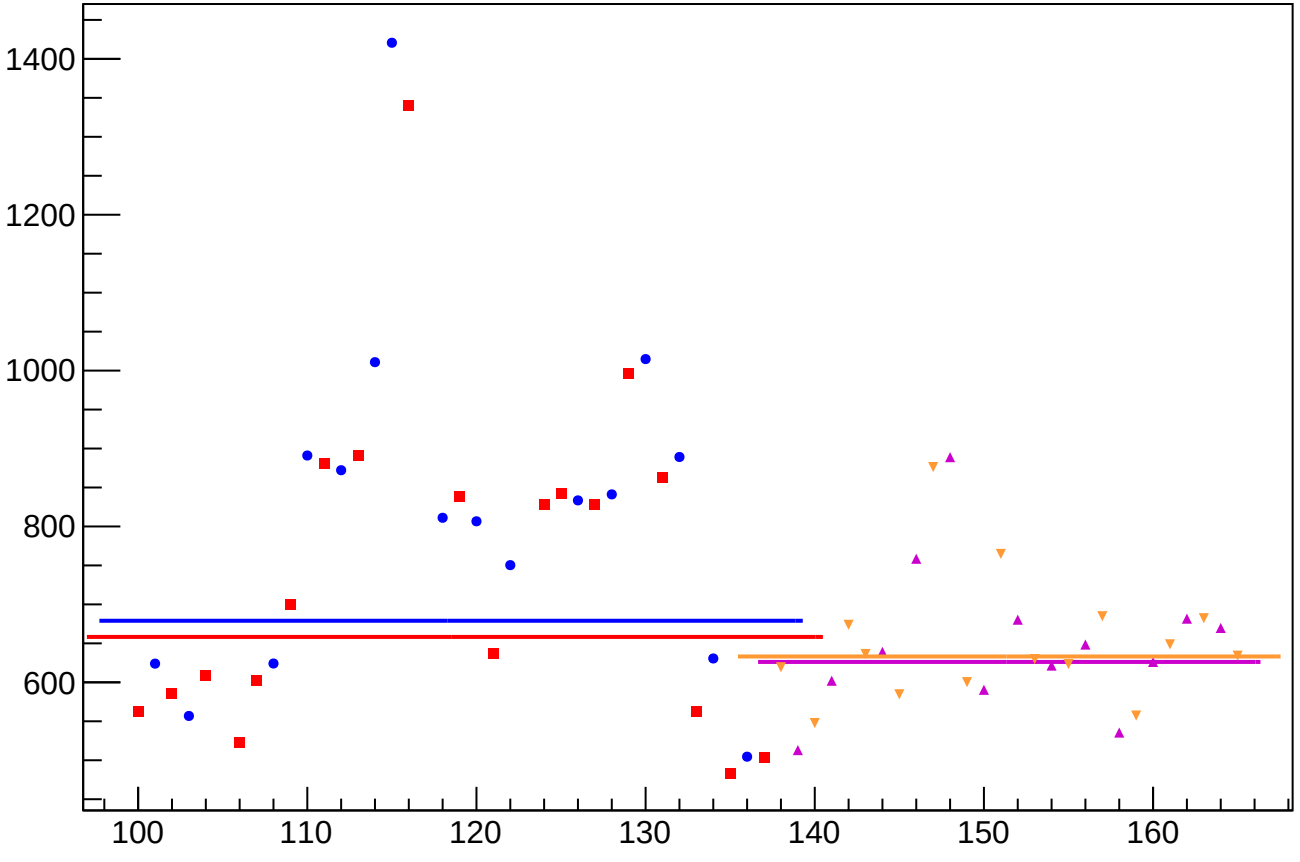
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -244.361+/-154.148 χ^2/NDF:32.1/28

Out: 20.472+/-149.186 χ^2/NDF:36.2/33

All: -107.613+/-107.202 χ^2/NDF: 69.9/62

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: 633.171+/-0.132 χ^2/NDF:284143.8/14

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

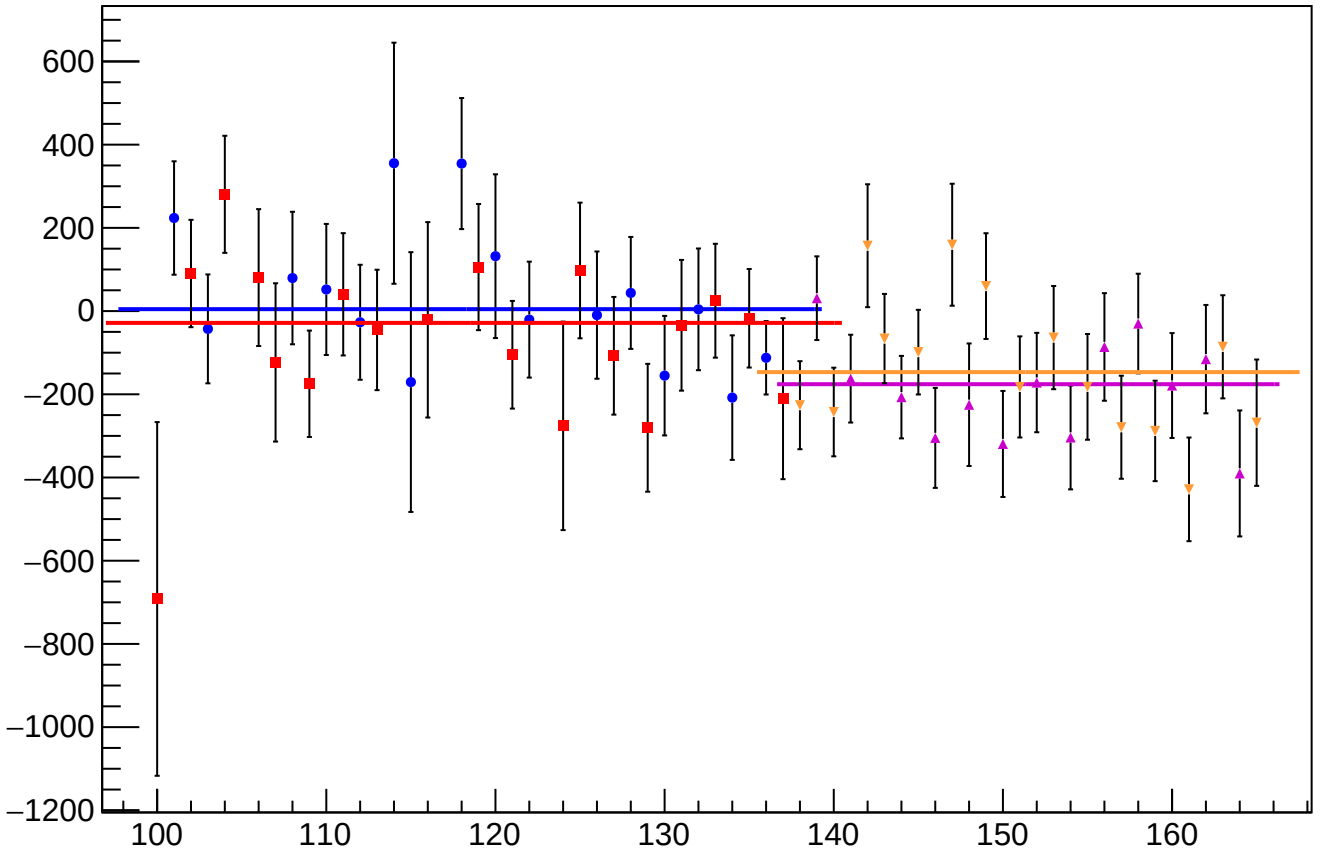
Left: 629.763+/-0.094 χ^2/NDF: 651148.1/27

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.773+/-0.109 χ^2/NDF:1187257.5/28

Out: 642.139+/-0.105 χ^2/NDF:1103034.5/33

All: 643.413+/-0.076 χ^2/NDF: 2290593.6/62



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.671+/-31.364 χ^2/NDF:22.5/14

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -175.752+/-33.397 χ^2/NDF:12.1/12

Left: -160.300+/-22.863 χ^2/NDF: 35.0/27

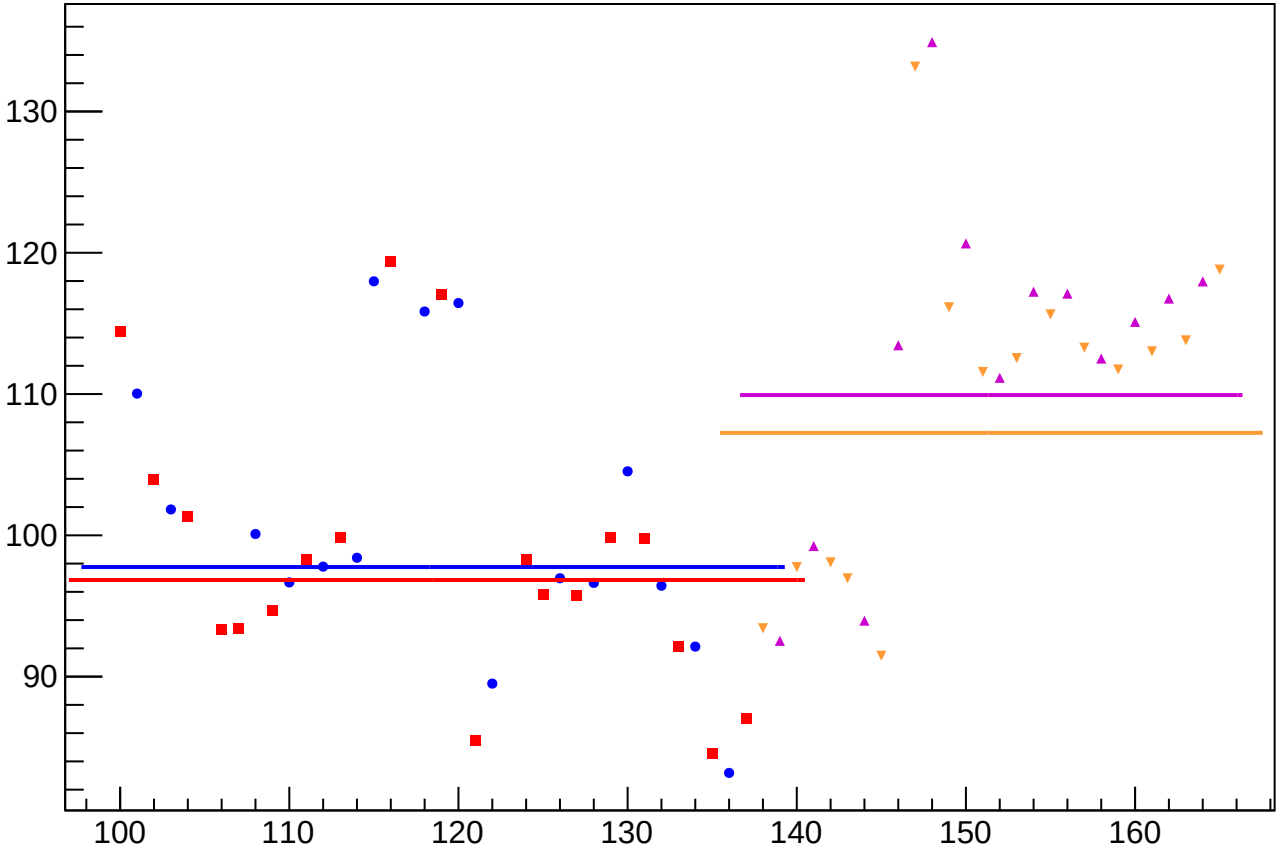
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -93.580+/-24.642 χ^2/NDF:40.7/28

Out: -94.768+/-23.495 χ^2/NDF:45.9/33

All: -94.202+/-17.004 χ^2/NDF: 86.6/62

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 107.253+/-0.022 χ^2/NDF:240441.3/14

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 109.927+/-0.024 χ^2/NDF:234338.8/12

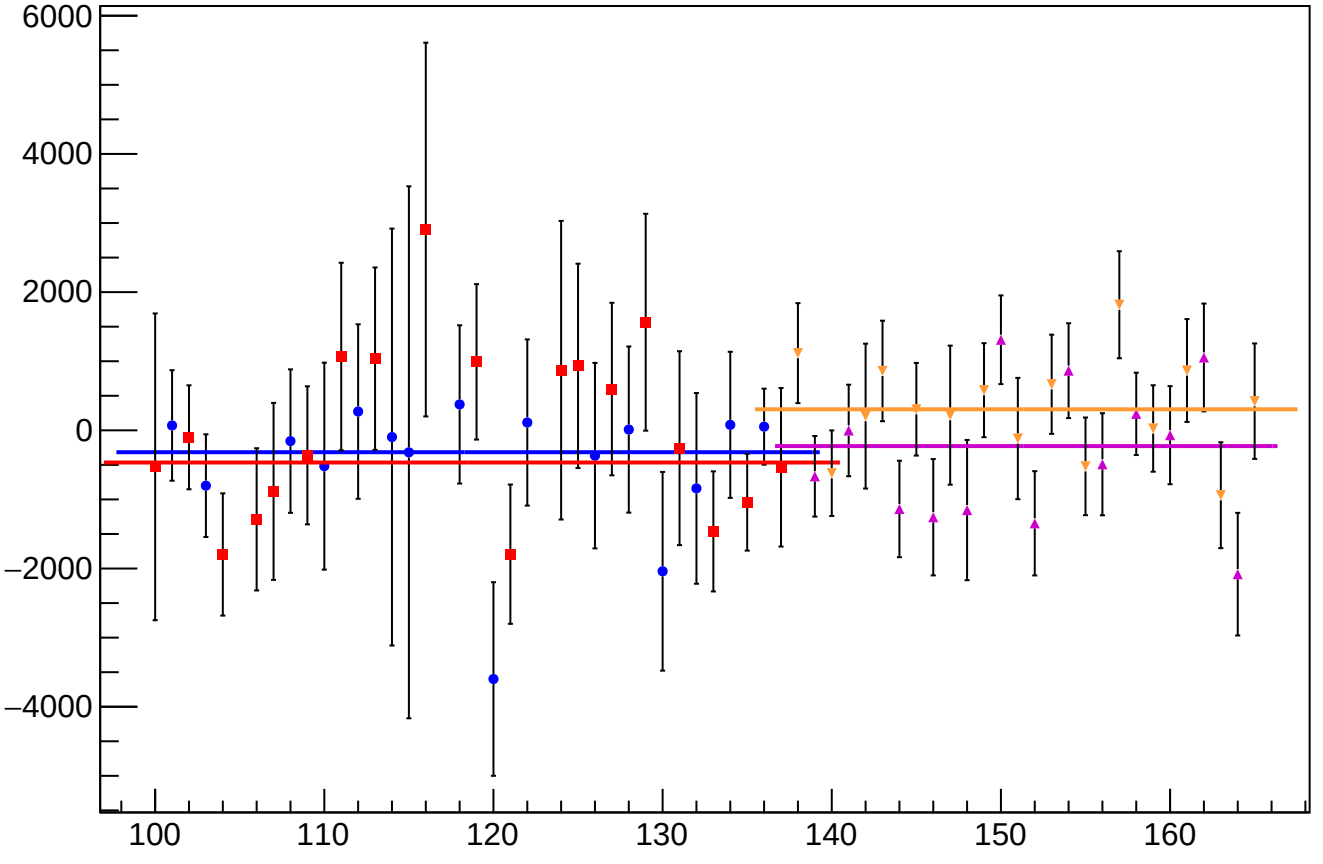
Left: 108.506+/-0.016 χ^2/NDF: 481592.3/27

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 104.382+/-0.017 χ^2/NDF:496008.7/28

Out: 102.683+/-0.017 χ^2/NDF:452373.0/33

All: 103.492+/-0.012 χ^2/NDF: 953363.4/62



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 304.183+/-192.090 χ^2/NDF:13.3/14

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -228.155+/-197.994 χ^2/NDF:23.0/12

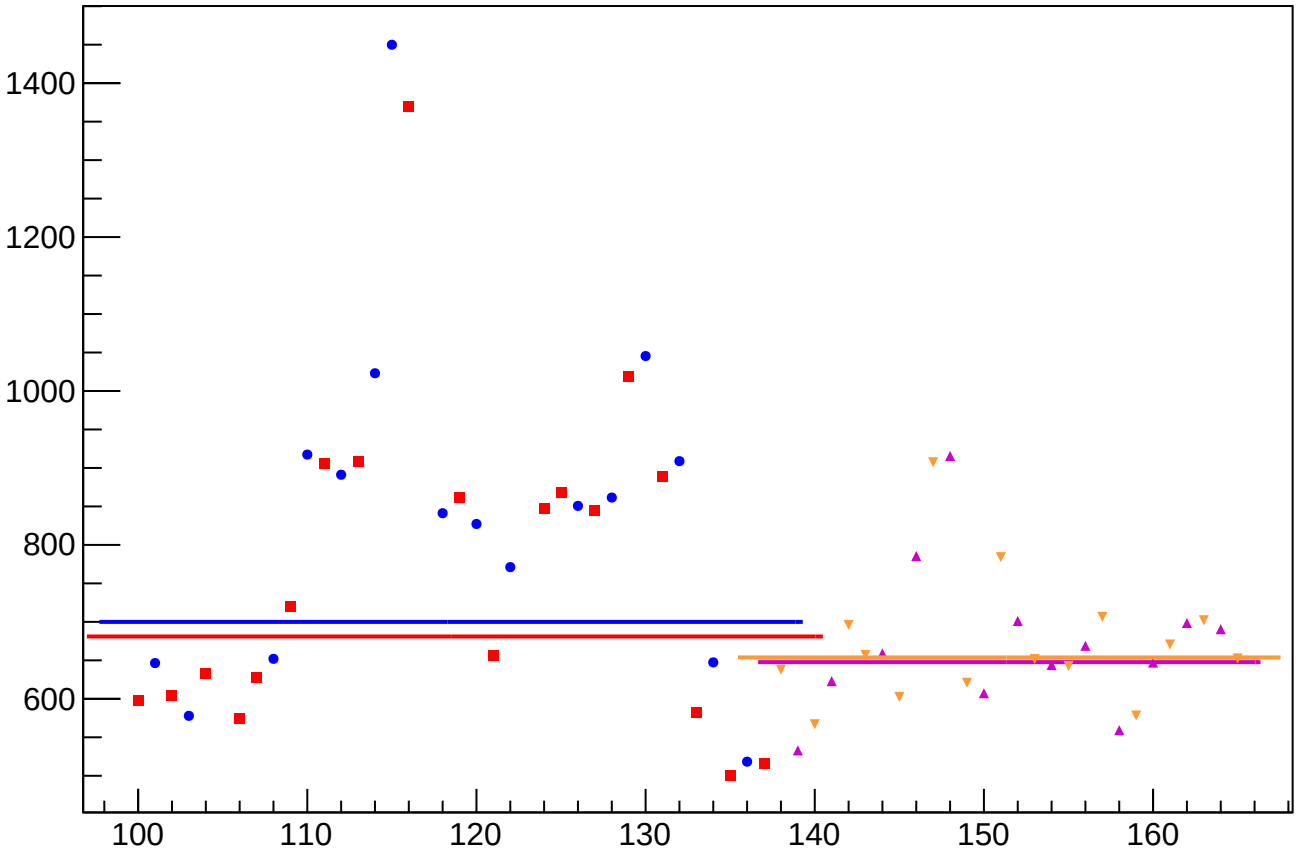
Left: 46.069+/-137.868 χ^2/NDF: 40.1/27

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -259.447+/-159.147 χ^2/NDF:32.3/28

Out: 27.797+/-153.785 χ^2/NDF:35.6/33

All: -110.905+/-110.589 χ^2/NDF: 69.5/62



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.808+/-0.136 χ^2/NDF:278808.9/14

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 647.679+/-0.140 χ^2/NDF:350650.4/12

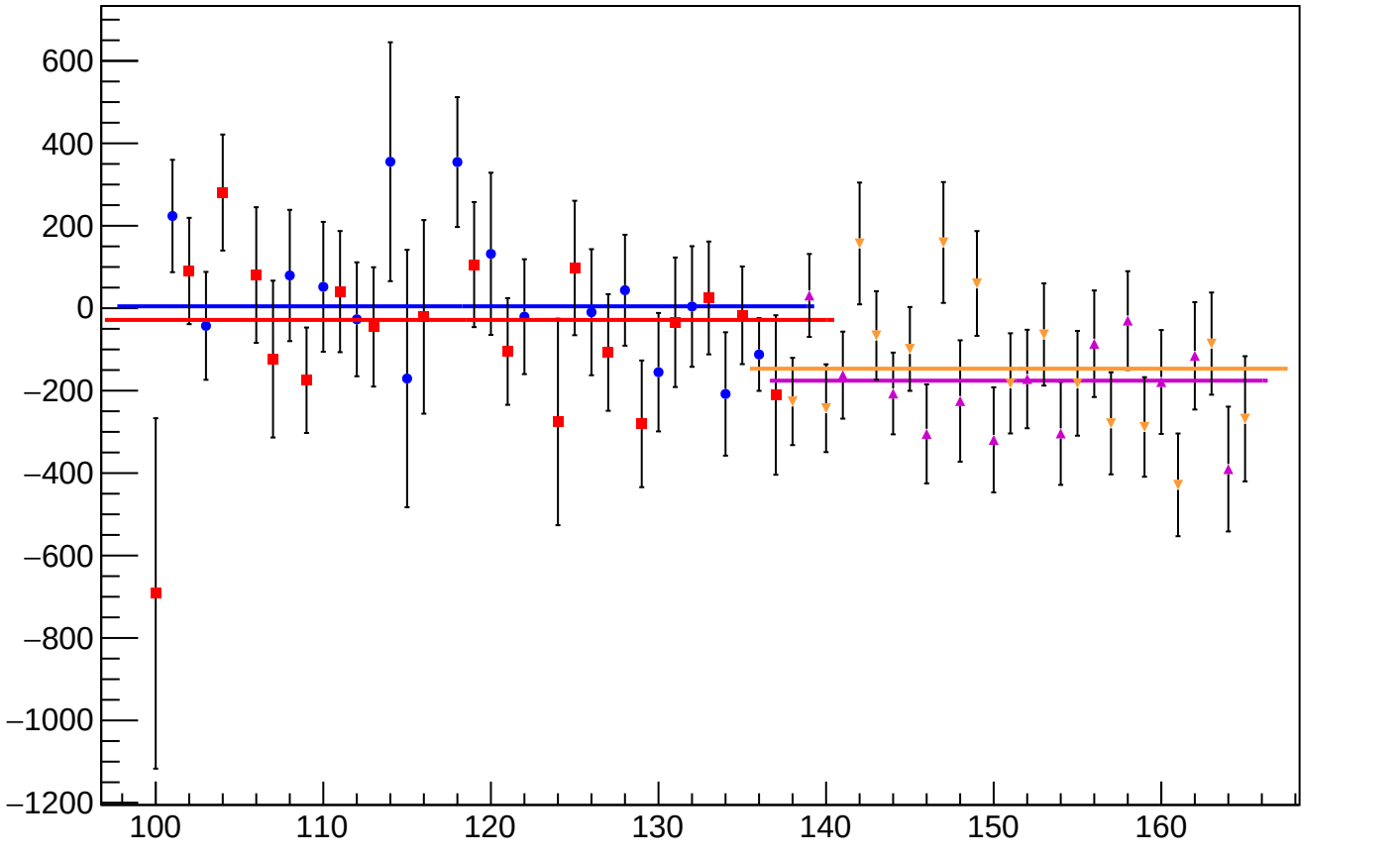
Left: 650.836+/-0.097 χ^2/NDF: 630446.4/27

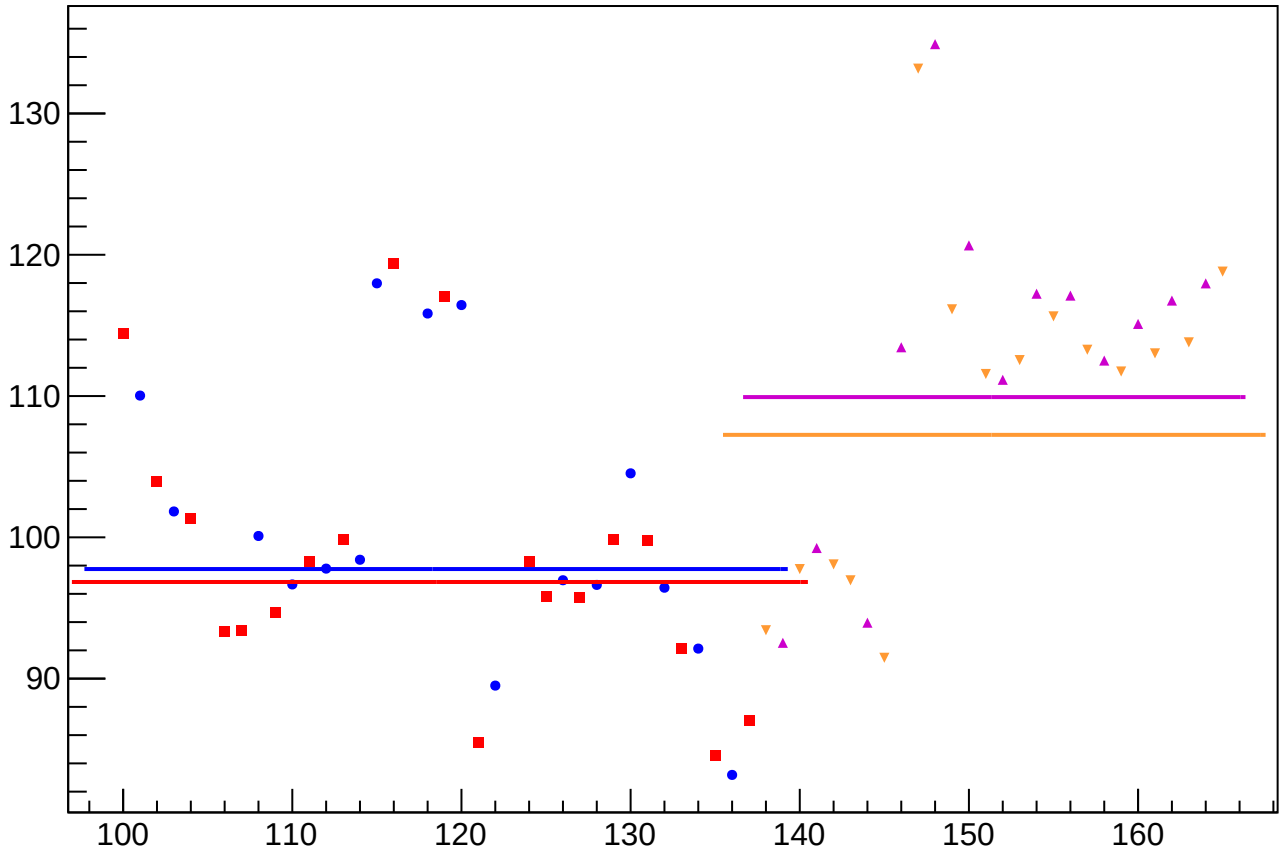
Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 666.187+/-0.113 χ^2/NDF:1153692.2/28

Out: 663.577+/-0.109 χ^2/NDF:1062613.5/33

All: 664.837+/-0.078 χ^2/NDF: 2216583.7/62


eigen_dit_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: 4.620+/-36.509 χ²/NDF: 15.3/15
Left Out: -146.671+/-31.364 χ²/NDF:22.5/14
Right Out: -28.407+/-35.465 χ²/NDF: 17.1/18
Left In: -175.753+/-33.397 χ²/NDF:12.1/12
Left: -160.300+/-22.863 χ²/NDF: 35.0/27
Right: -12.373+/-25.438 χ²/NDF: 32.9/34
In: -93.579+/-24.642 χ²/NDF:40.7/28
Out: -94.768+/-23.494 χ²/NDF:45.9/33
All: -94.202+/-17.004 χ²/NDF: 86.6/62



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 107.253+/-0.022 χ^2/NDF:240441.0/14

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 109.927+/-0.024 χ^2/NDF:234336.6/12

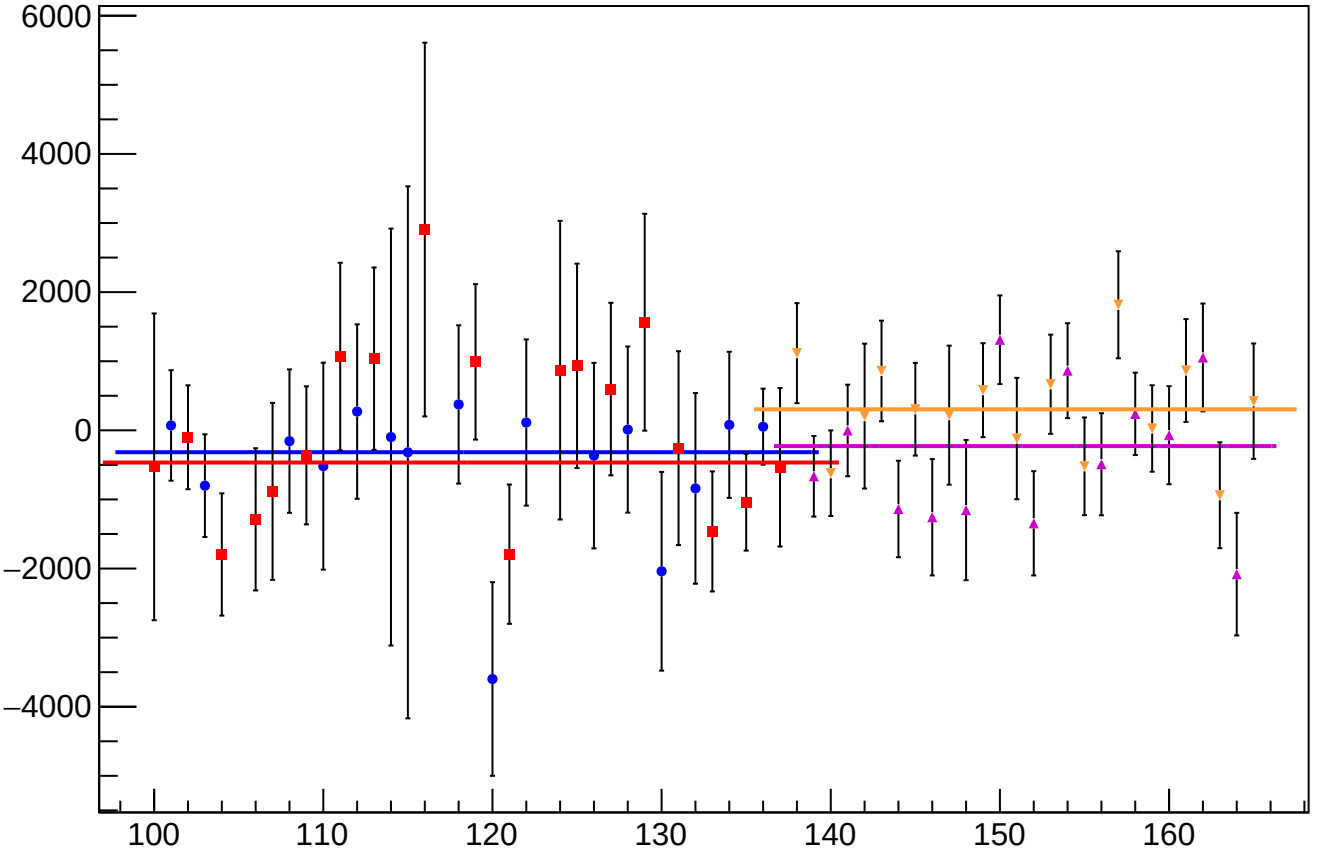
Left: 108.506+/-0.016 χ^2/NDF: 481590.0/27

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 104.382+/-0.017 χ^2/NDF:496015.0/28

Out: 102.683+/-0.017 χ^2/NDF:452382.5/33

All: 103.492+/-0.012 χ^2/NDF: 953379.3/62



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 304.183+/-192.090 χ^2/NDF:13.3/14

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -228.155+/-197.994 χ^2/NDF:23.0/12

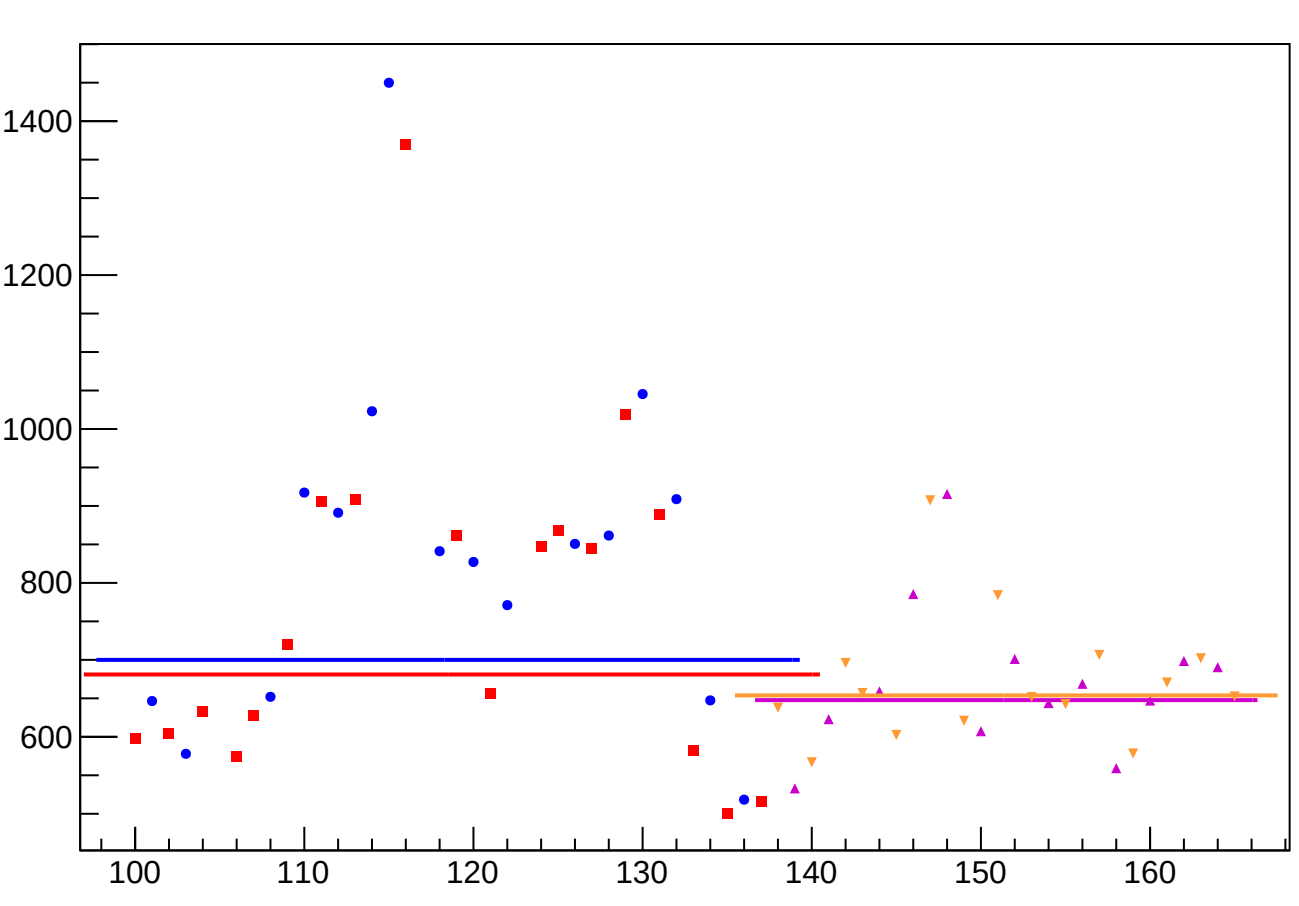
Left: 46.069+/-137.868 χ^2/NDF: 40.1/27

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -259.447+/-159.147 χ^2/NDF:32.3/28

Out: 27.796+/-153.785 χ^2/NDF:35.6/33

All: -110.906+/-110.589 χ^2/NDF: 69.5/62



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.809+/-0.136 χ^2/NDF:278809.3/14

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 647.680+/-0.140 χ^2/NDF:350650.9/12

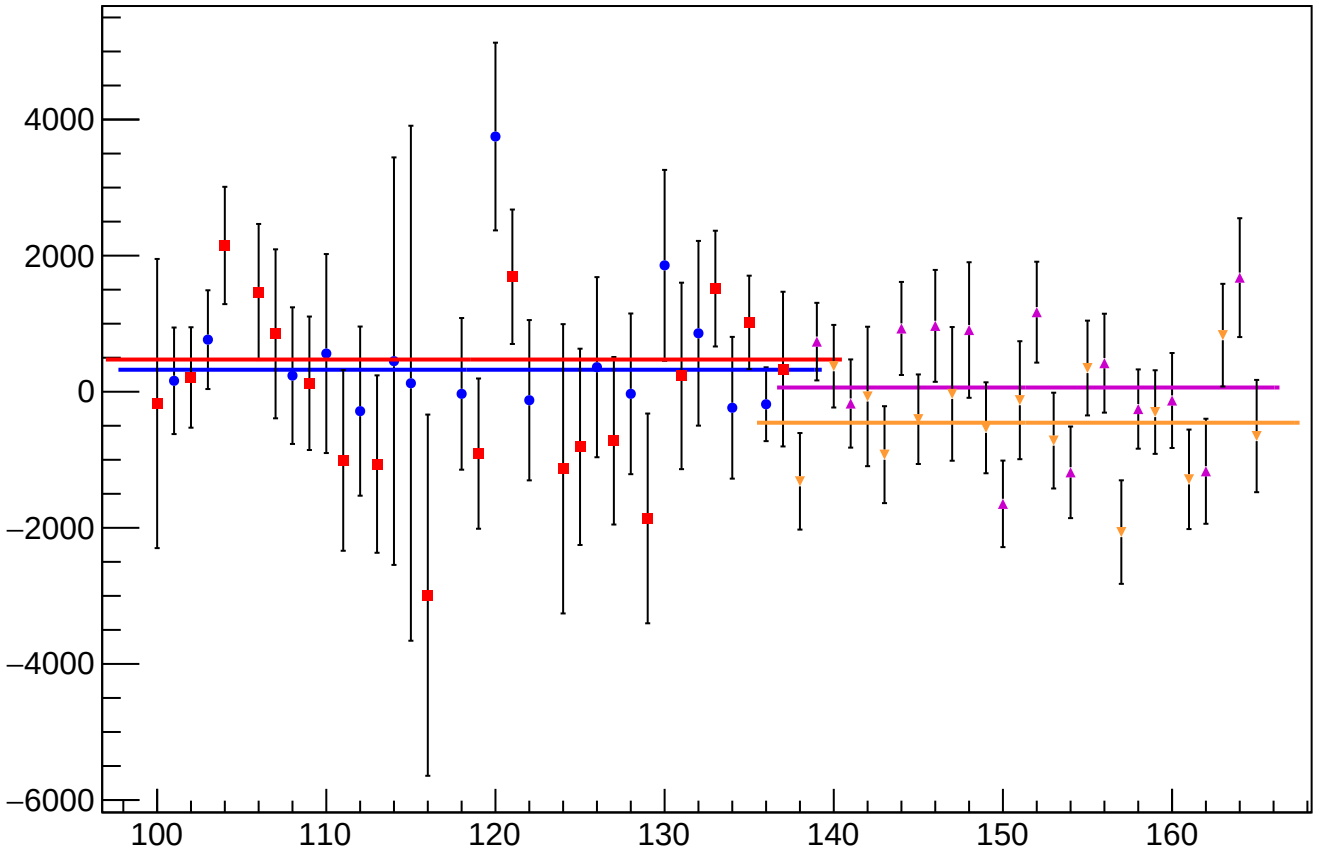
Left: 650.837+/-0.097 χ^2/NDF: 630447.4/27

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 666.187+/-0.113 χ^2/NDF:1153691.6/28

Out: 663.577+/-0.109 χ^2/NDF:1062614.6/33

All: 664.837+/-0.078 χ^2/NDF: 2216584.2/62



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -455.401+/-188.657 χ^2/NDF:14.5/14

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 62.055+/-194.372 χ^2/NDF:24.5/12

Left: -204.393+/-135.376 χ^2/NDF: 42.7/27

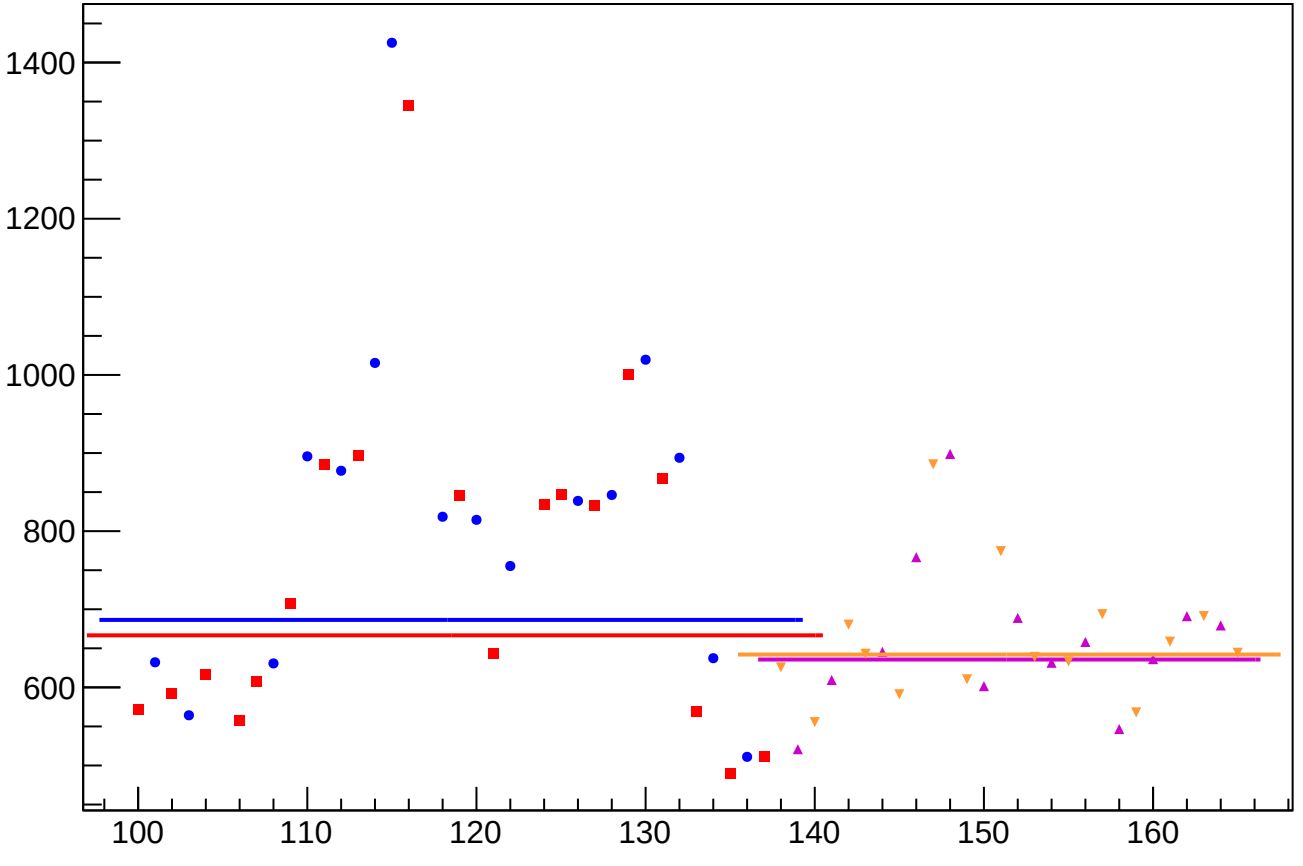
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 154.609+/-156.174 χ^2/NDF:34.9/28

Out: -120.732+/-150.879 χ^2/NDF:42.7/33

All: 12.192+/-108.511 χ^2/NDF: 79.2/62

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.050+/-0.133 χ^2/NDF:278685.2/14

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 635.657+/-0.137 χ^2/NDF:355399.2/12

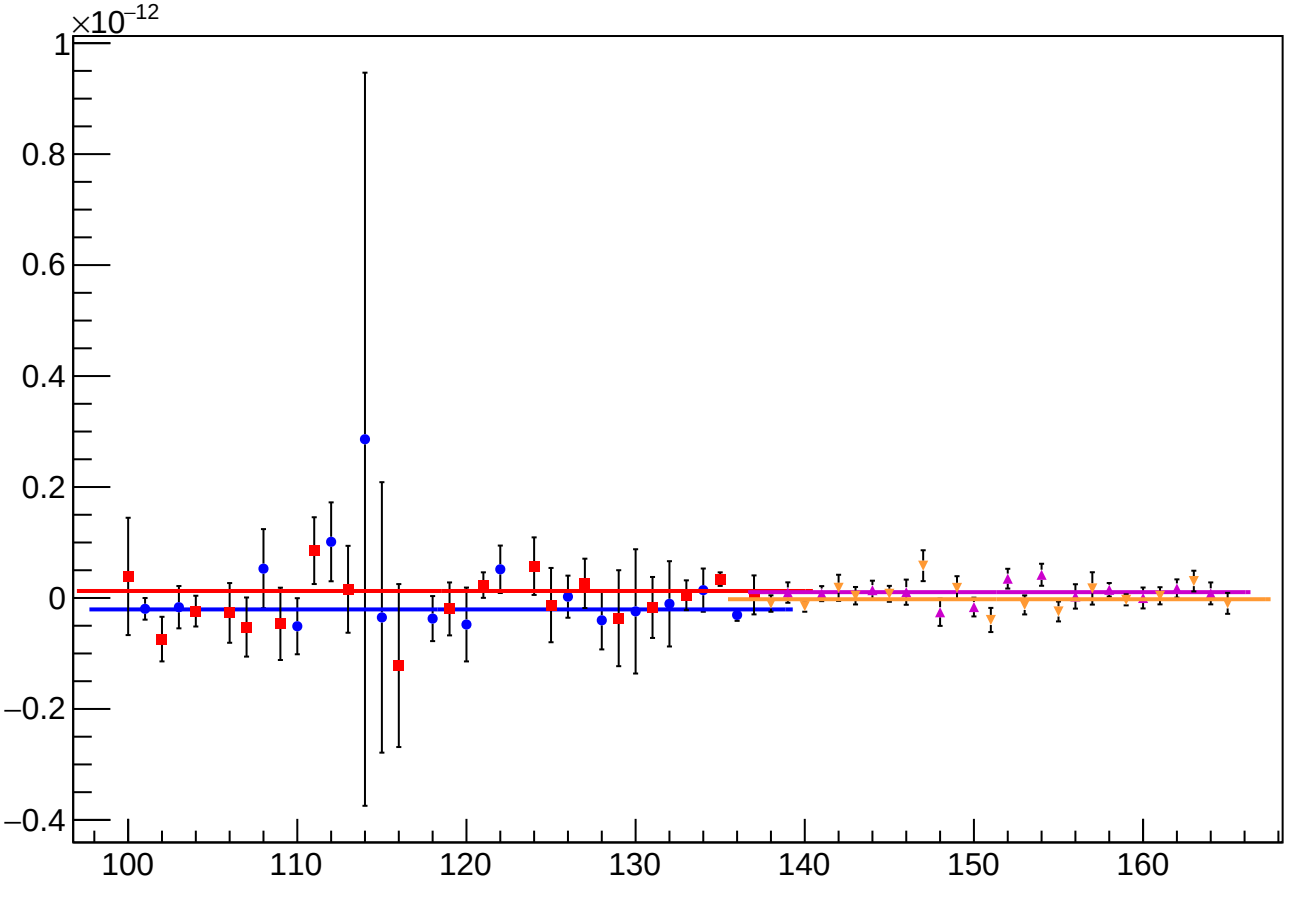
Left: 638.949+/-0.096 χ^2/NDF: 635198.5/27

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 653.639+/-0.110 χ^2/NDF:1153151.7/28

Out: 650.910+/-0.107 χ^2/NDF:1067958.8/33

All: 652.228+/-0.077 χ^2/NDF: 2221426.4/62



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

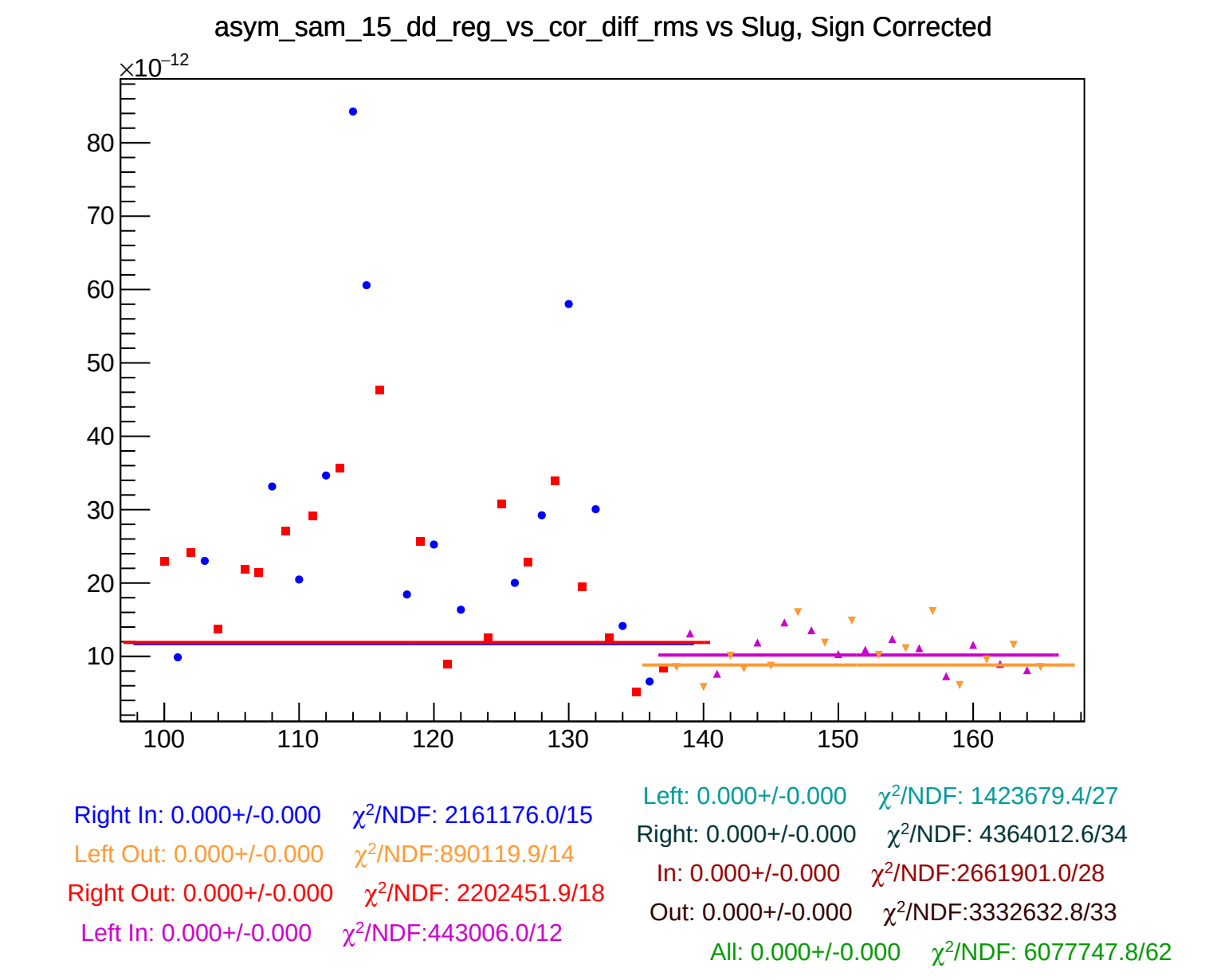
Left: 0.000+/-0.000 χ^2/NDF: 31.4/27

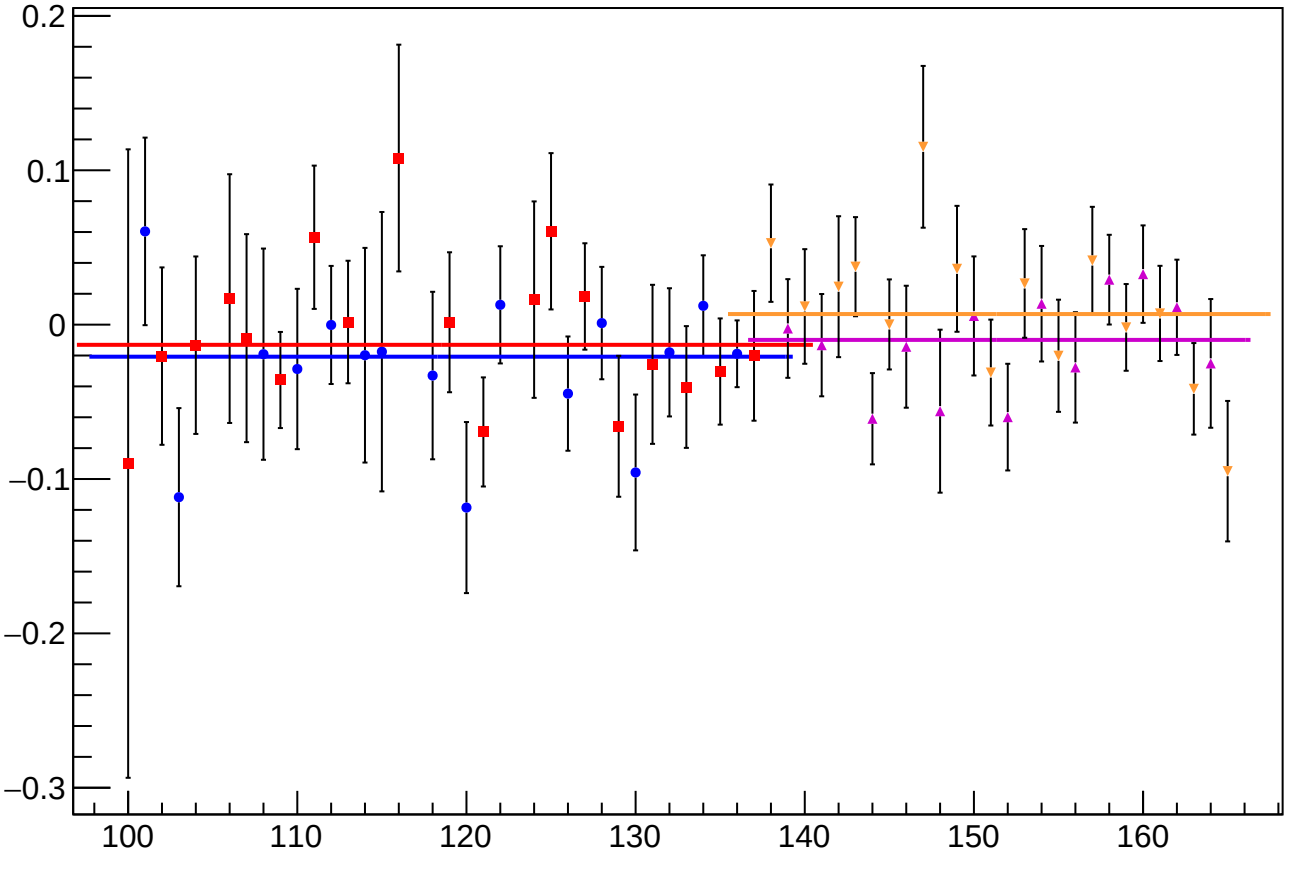
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:31.3/28

Out: 0.000+/-0.000 χ^2/NDF:37.4/33

All: 0.000+/-0.000 χ^2/NDF: 68.7/62


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
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:890119.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:443006.0/12
Left: 0.000+/-0.000 χ²/NDF: 1423679.4/27
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2661901.0/28
Out: 0.000+/-0.000 χ²/NDF:3332632.8/33
All: 0.000+/-0.000 χ²/NDF: 6077747.8/62



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

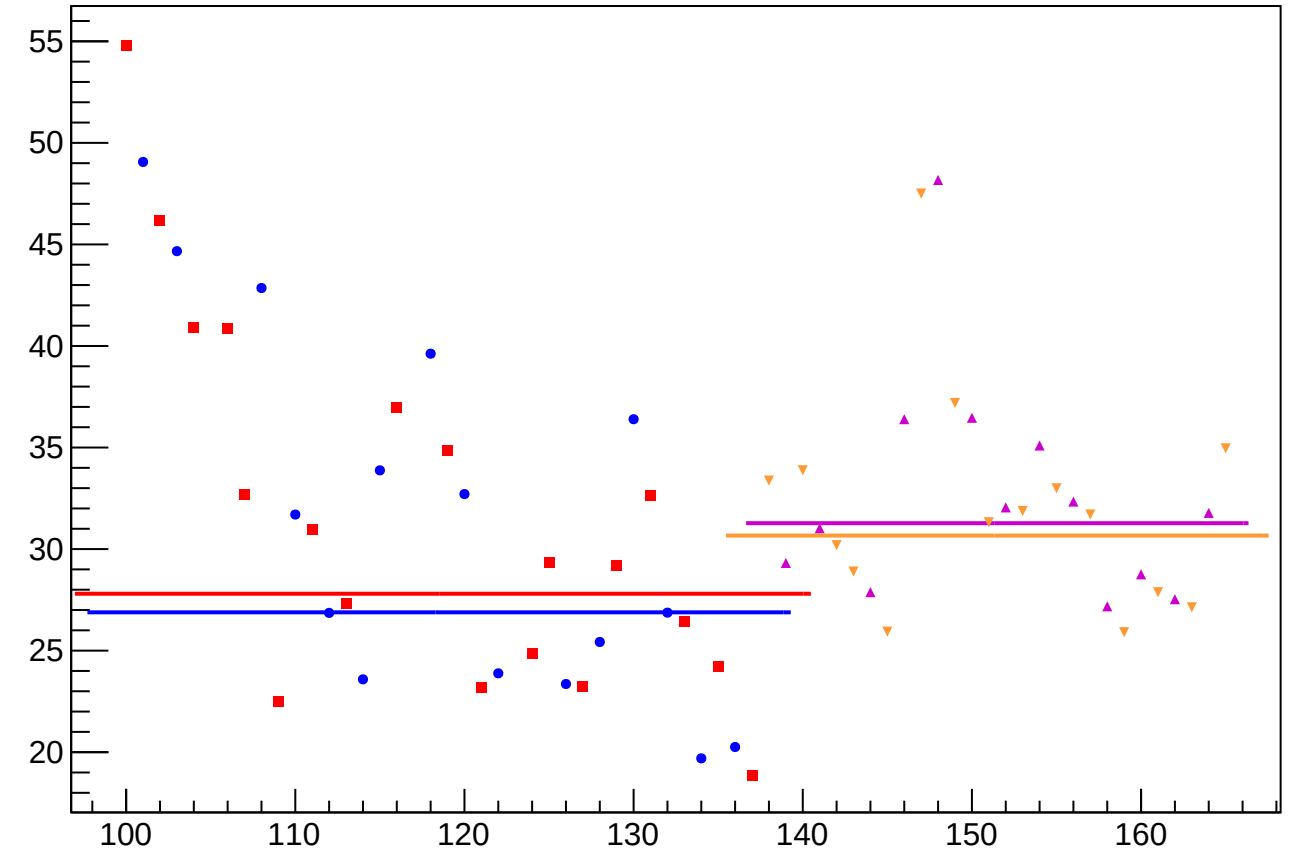
Left: -0.001+/-0.007 χ^2/NDF: 30.8/27

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: -0.002+/-0.007 χ^2/NDF:34.2/33

All: -0.008+/-0.005 χ^2/NDF: 60.1/62



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474844.5/14

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

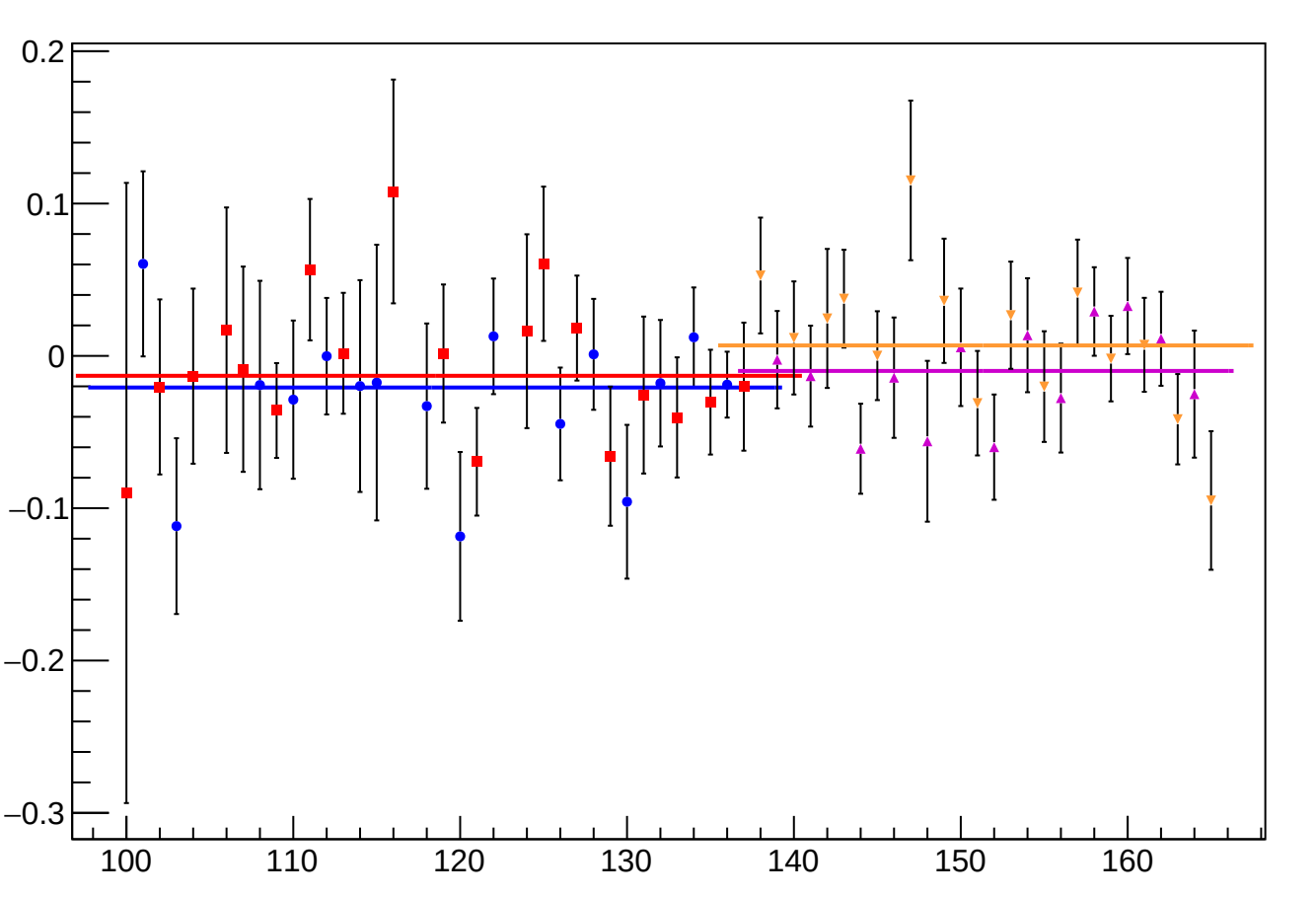
Left: 30.953+/-0.005 χ^2/NDF: 893724.3/27

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.279+/-0.005 χ^2/NDF:1725396.3/28

Out: 29.450+/-0.005 χ^2/NDF:1322882.4/33

All: 29.367+/-0.003 χ^2/NDF: 3048875.4/62



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

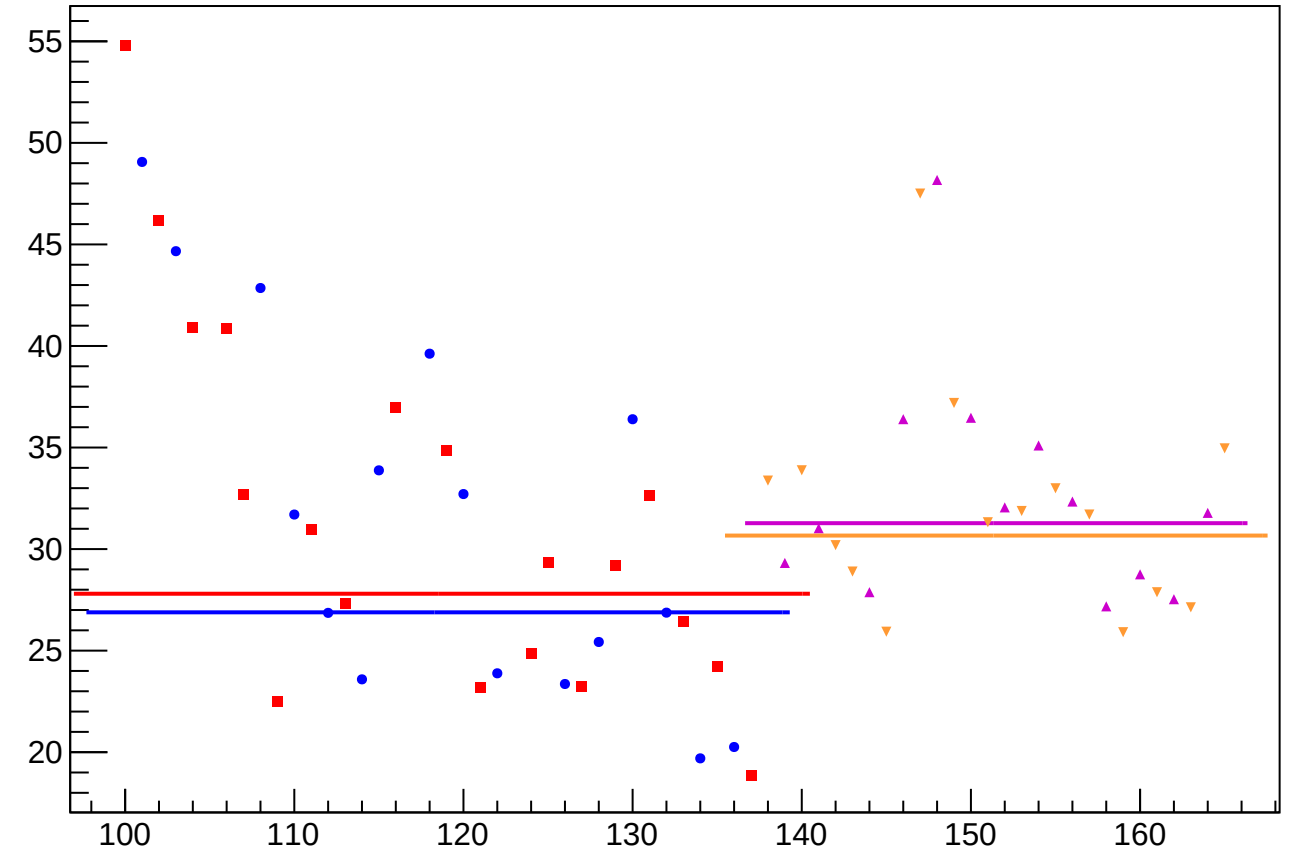
Left: -0.001+/-0.007 χ^2/NDF: 30.8/27

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: -0.002+/-0.007 χ^2/NDF:34.2/33

All: -0.008+/-0.005 χ^2/NDF: 60.1/62



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474844.5/14

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

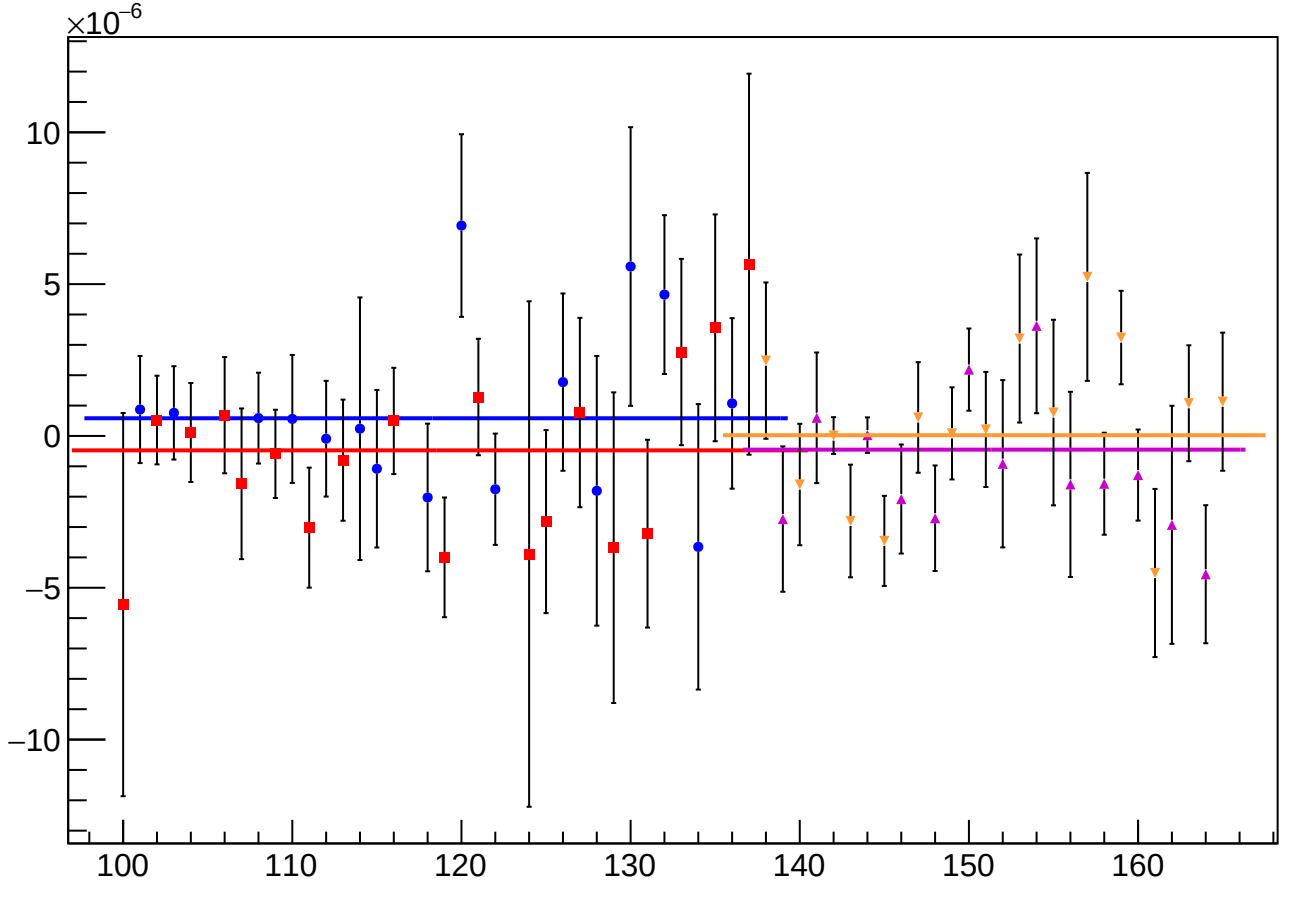
Left: 30.953+/-0.005 χ^2/NDF: 893724.3/27

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.279+/-0.005 χ^2/NDF:1725396.3/28

Out: 29.450+/-0.005 χ^2/NDF:1322882.4/33

All: 29.367+/-0.003 χ^2/NDF: 3048875.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/12

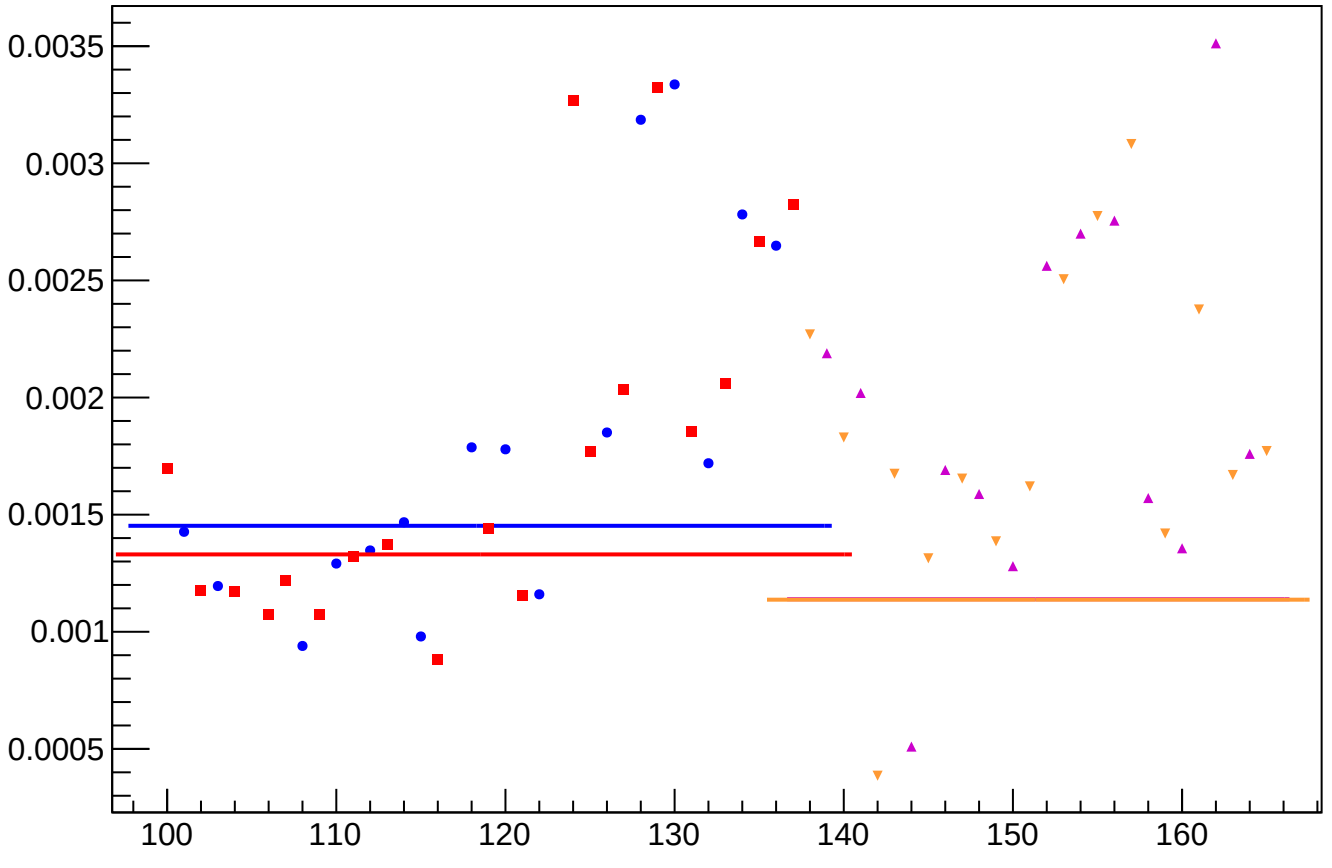
Left: -0.000+/-0.000 χ^2/NDF: 36.2/27

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:29.6/28

Out: -0.000+/-0.000 χ^2/NDF:34.6/33

All: -0.000+/-0.000 χ^2/NDF: 64.2/62



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:6734311.8/14

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6124361.3/12

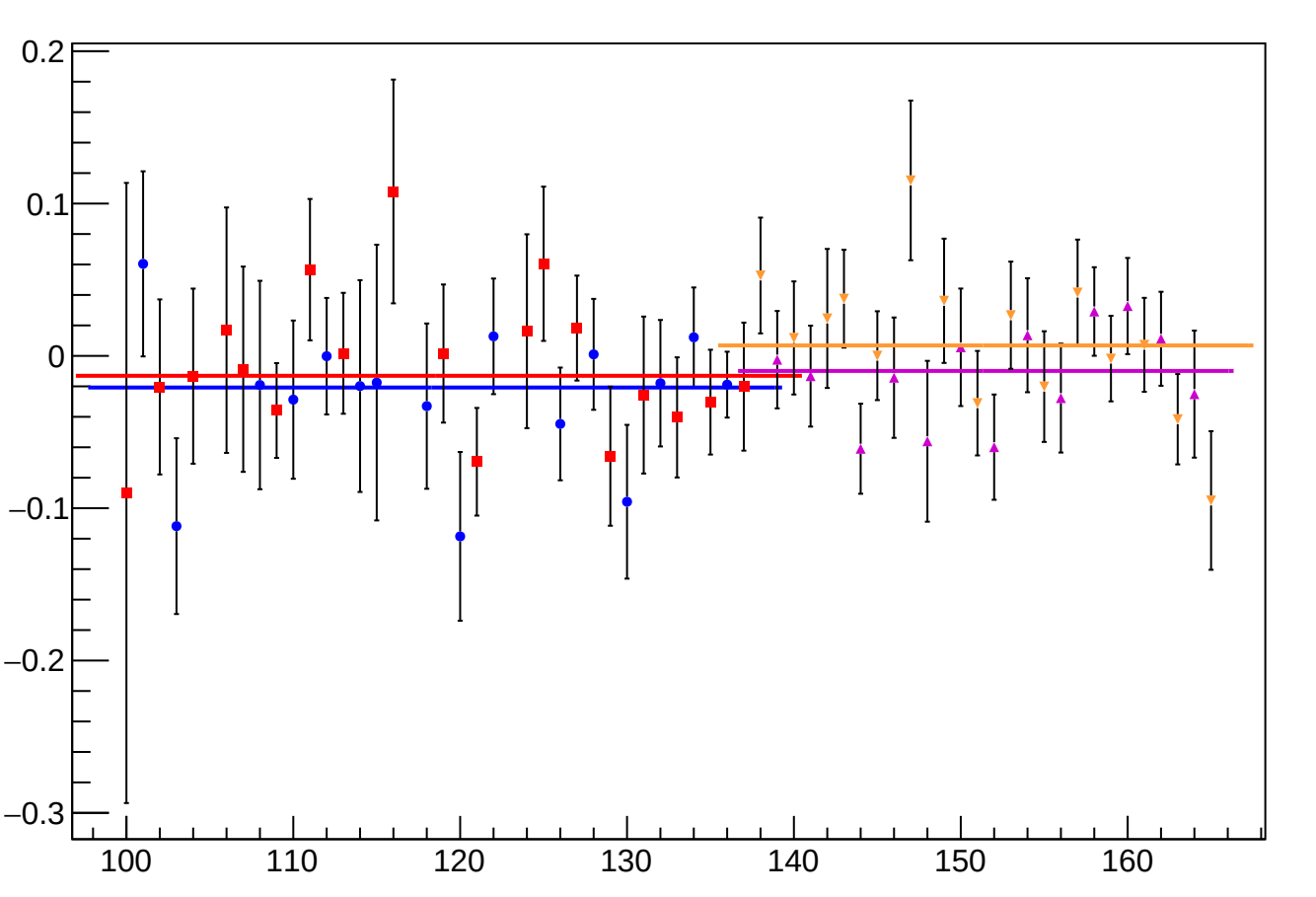
Left: 0.001+/-0.000 χ^2/NDF: 12858699.2/27

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:8226237.6/28

Out: 0.001+/-0.000 χ^2/NDF:8311001.0/33

All: 0.001+/-0.000 χ^2/NDF: 16548941.7/62



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

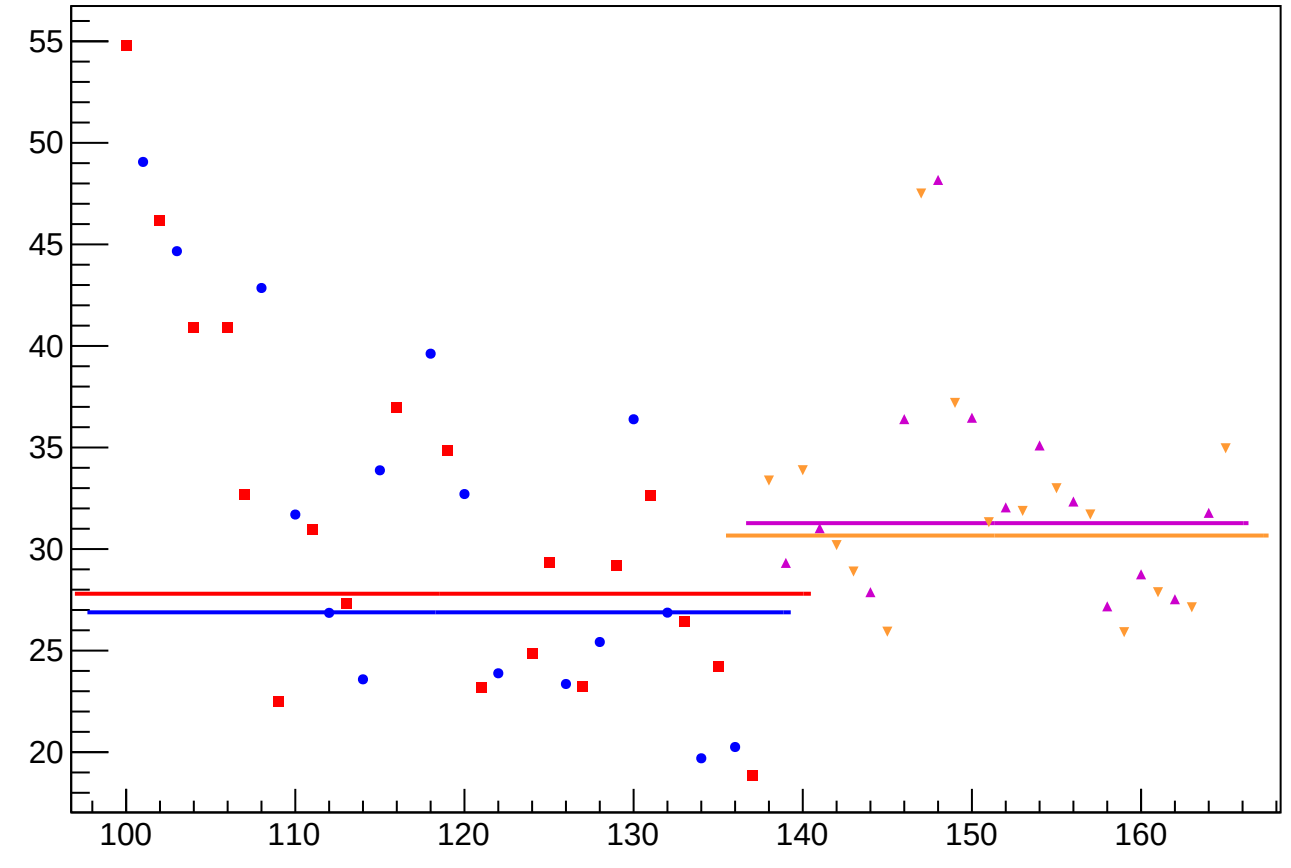
Left: -0.001+/-0.007 χ^2/NDF: 30.8/27

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: -0.002+/-0.007 χ^2/NDF:34.2/33

All: -0.008+/-0.005 χ^2/NDF: 60.1/62



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474967.8/14

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.275+/-0.007 χ^2/NDF:414711.2/12

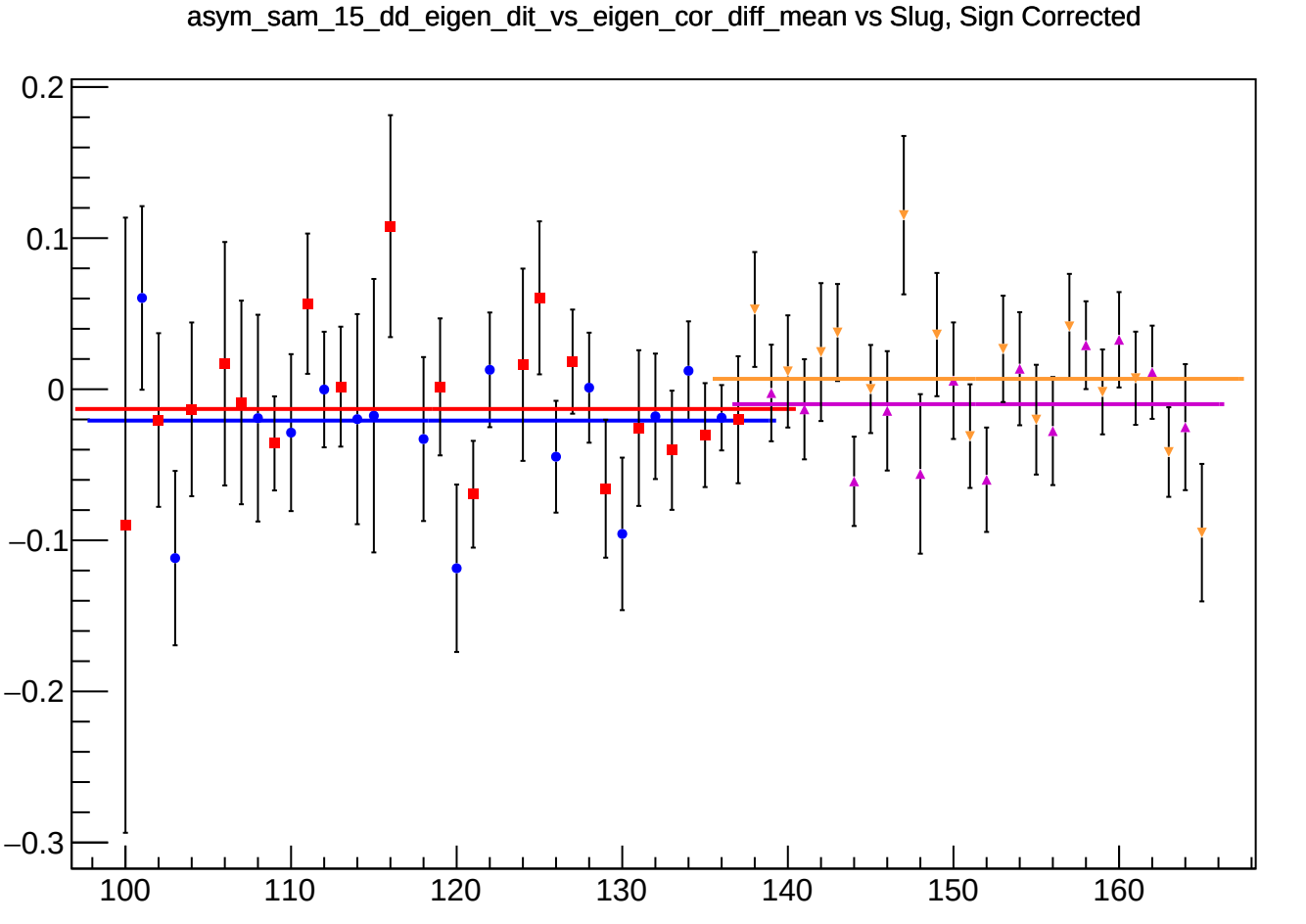
Left: 30.953+/-0.005 χ^2/NDF: 893948.7/27

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

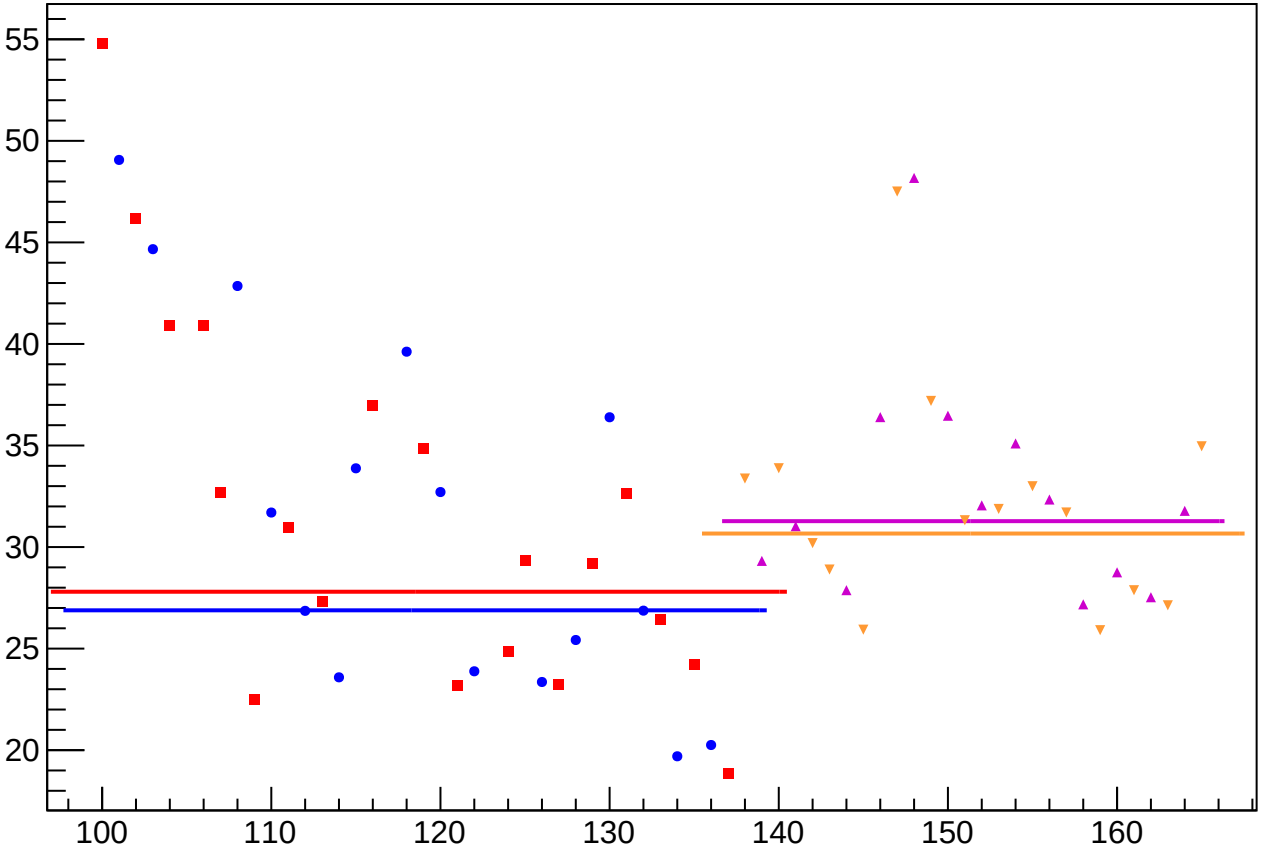
In: 29.278+/-0.005 χ^2/NDF:1725579.8/28

Out: 29.449+/-0.005 χ^2/NDF:1323190.3/33

All: 29.366+/-0.003 χ^2/NDF: 3049365.6/62


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
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.007+/-0.009 χ²/NDF:18.2/14
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.010+/-0.010 χ²/NDF:11.0/12
Left: -0.001+/-0.007 χ²/NDF: 30.8/27
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.015+/-0.007 χ²/NDF:24.1/28
Out: -0.002+/-0.007 χ²/NDF:34.2/33
All: -0.008+/-0.005 χ²/NDF: 60.1/62

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474967.8/14

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.275+/-0.007 χ^2/NDF:414711.2/12

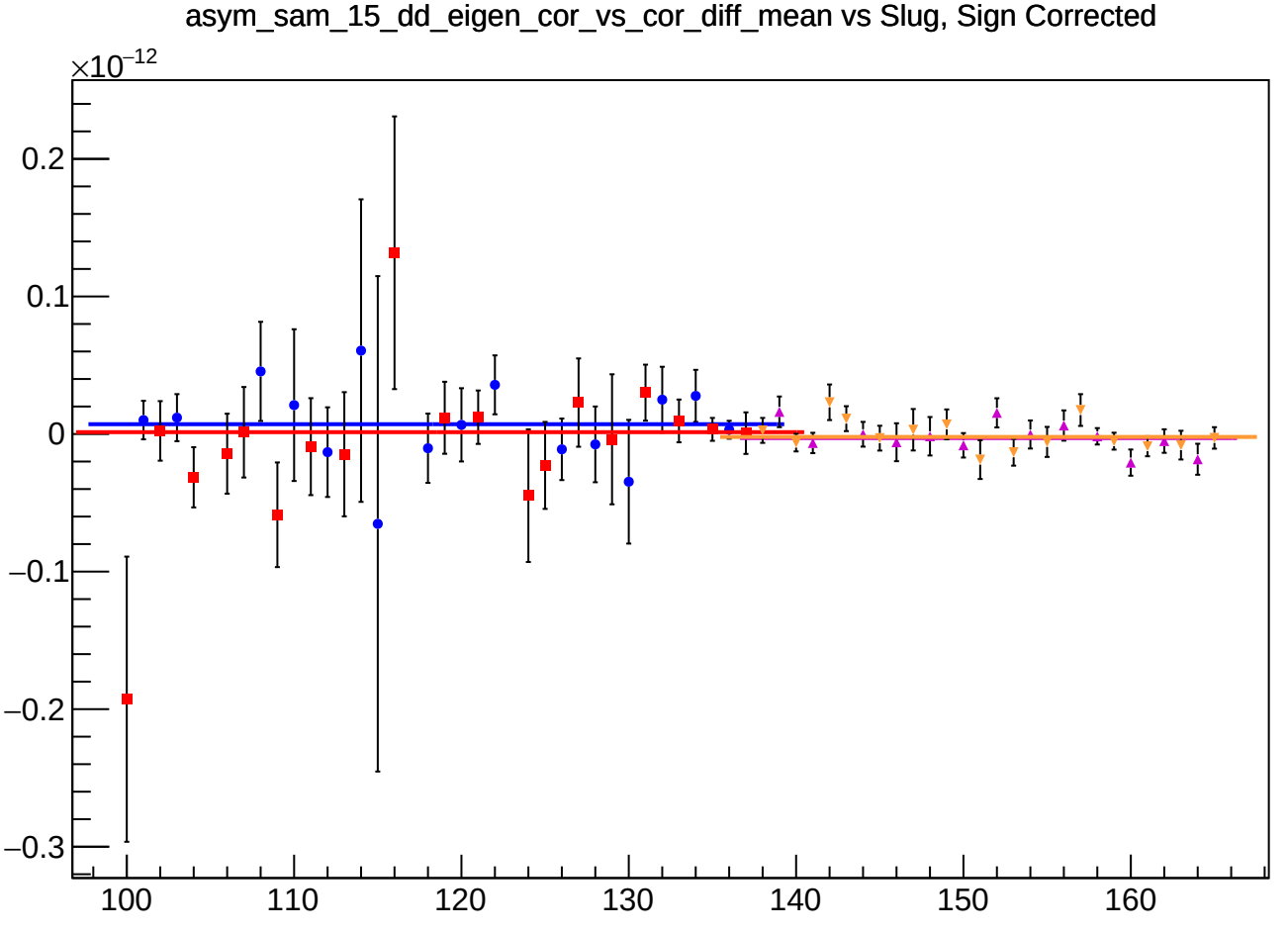
Left: 30.953+/-0.005 χ^2/NDF: 893948.7/27

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.278+/-0.005 χ^2/NDF:1725579.8/28

Out: 29.449+/-0.005 χ^2/NDF:1323190.3/33

All: 29.366+/-0.003 χ^2/NDF: 3049365.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/12

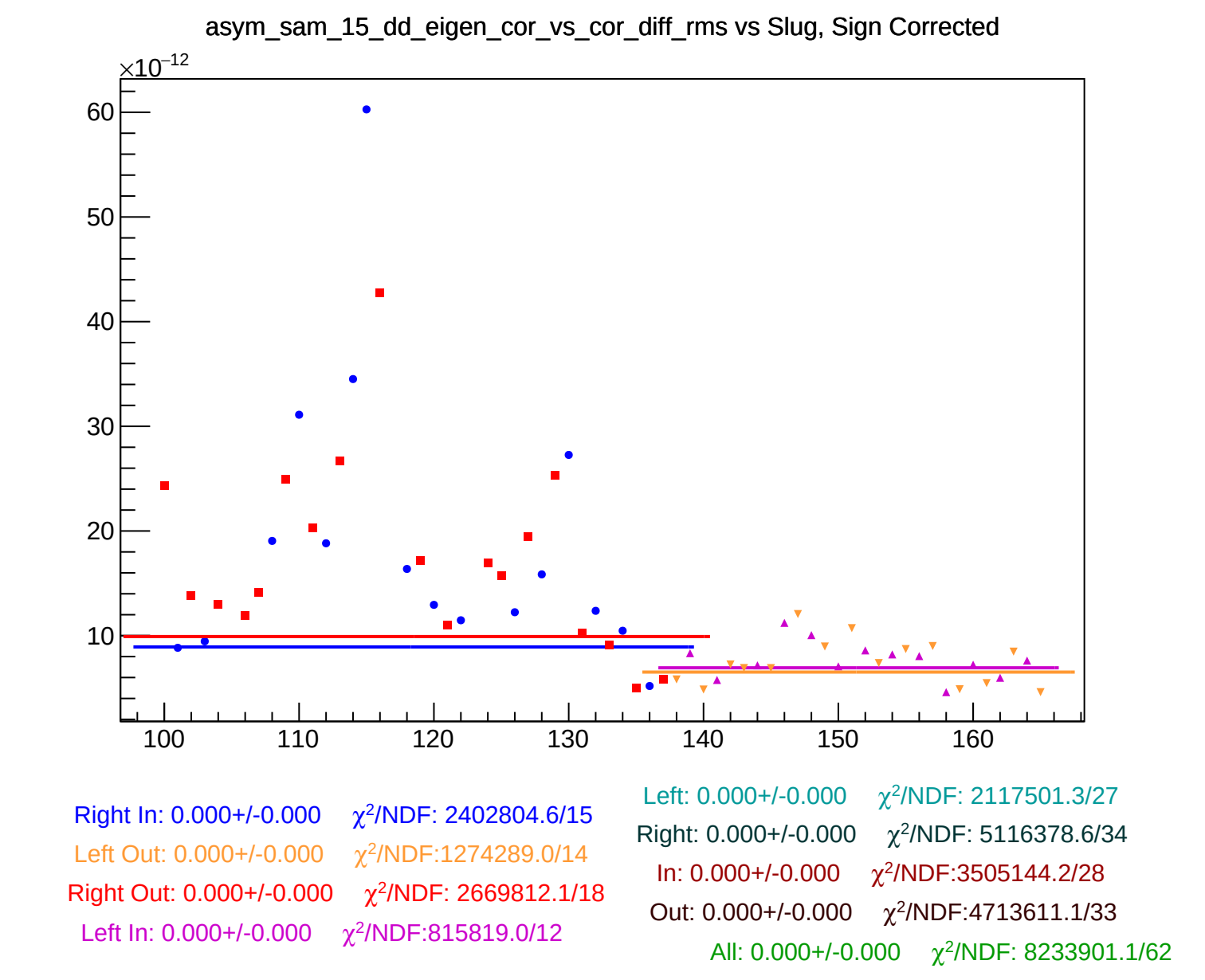
Left: -0.000+/-0.000 χ^2/NDF: 27.5/27

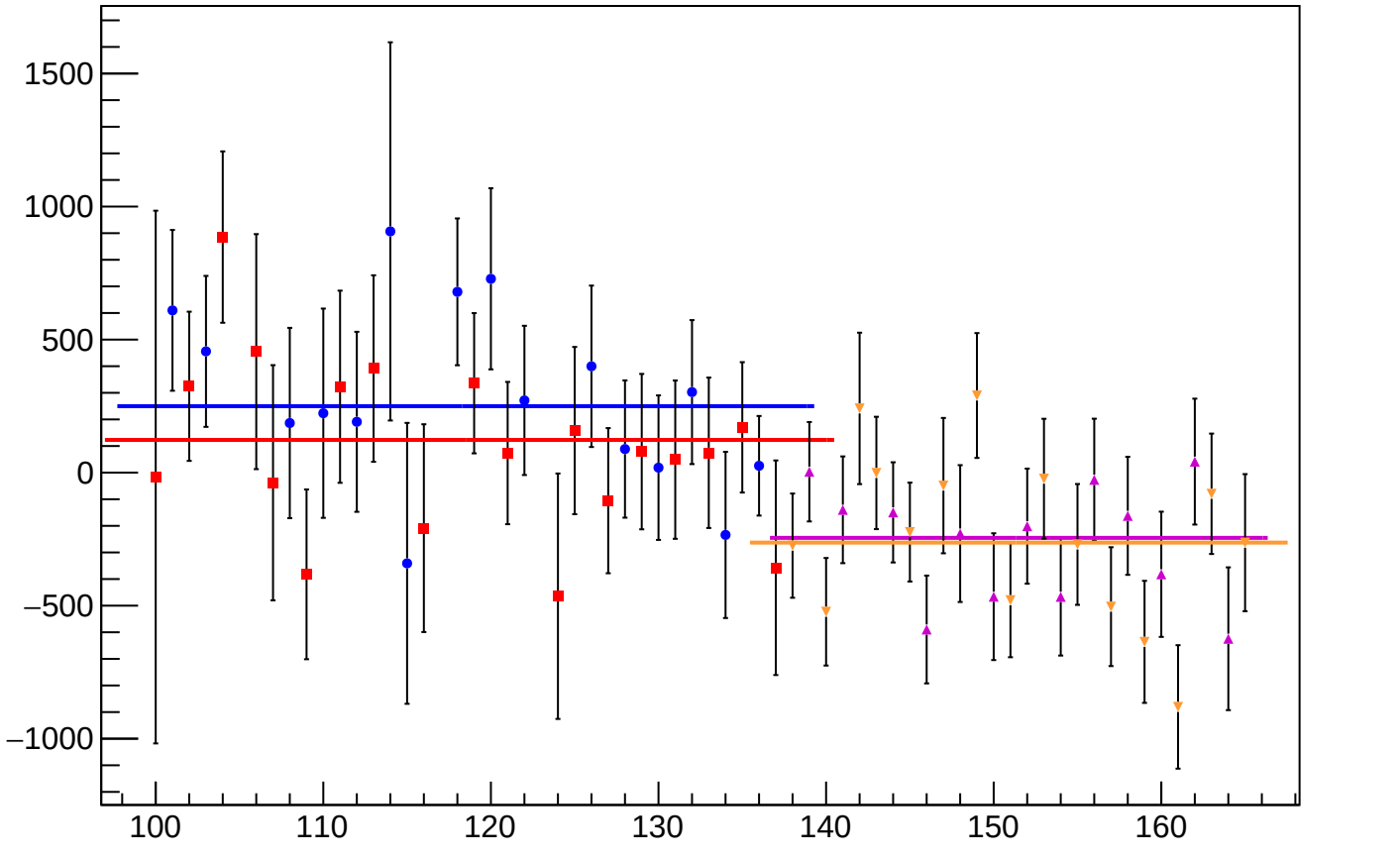
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:24.9/28

Out: -0.000+/-0.000 χ^2/NDF:30.2/33

All: -0.000+/-0.000 χ^2/NDF: 55.2/62


asym_sam_15_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
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1274289.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:815819.0/12
Left: 0.000+/-0.000 χ²/NDF: 2117501.3/27
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3505144.2/28
Out: 0.000+/-0.000 χ²/NDF:4713611.1/33
All: 0.000+/-0.000 χ²/NDF: 8233901.1/62



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.921+/-57.638 χ^2/NDF:26.4/14

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -245.164+/-60.878 χ^2/NDF:12.0/12

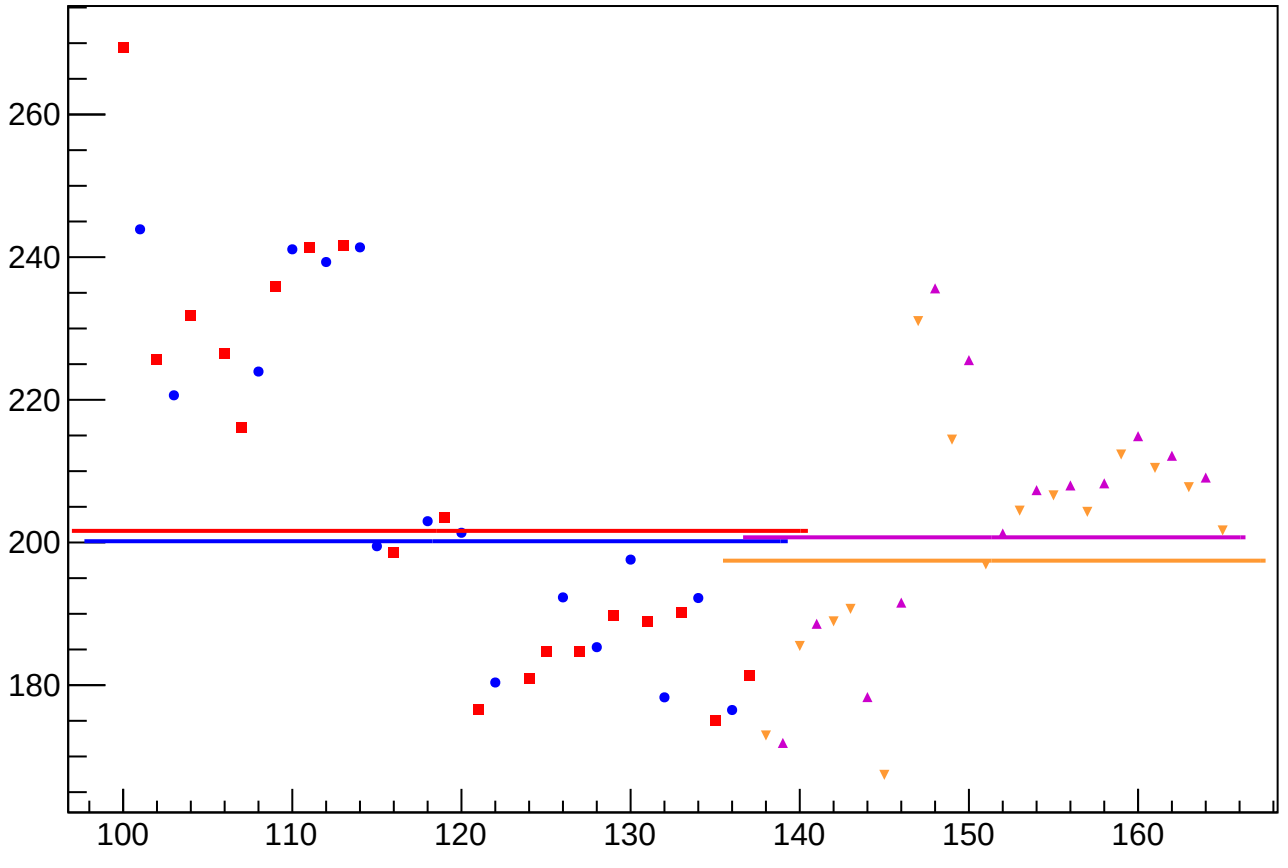
Left: -254.527+/-41.855 χ^2/NDF: 38.4/27

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -48.199+/-47.236 χ^2/NDF:52.0/28

Out: -118.104+/-45.558 χ^2/NDF:58.7/33

All: -84.416+/-32.791 χ^2/NDF: 111.9/62



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

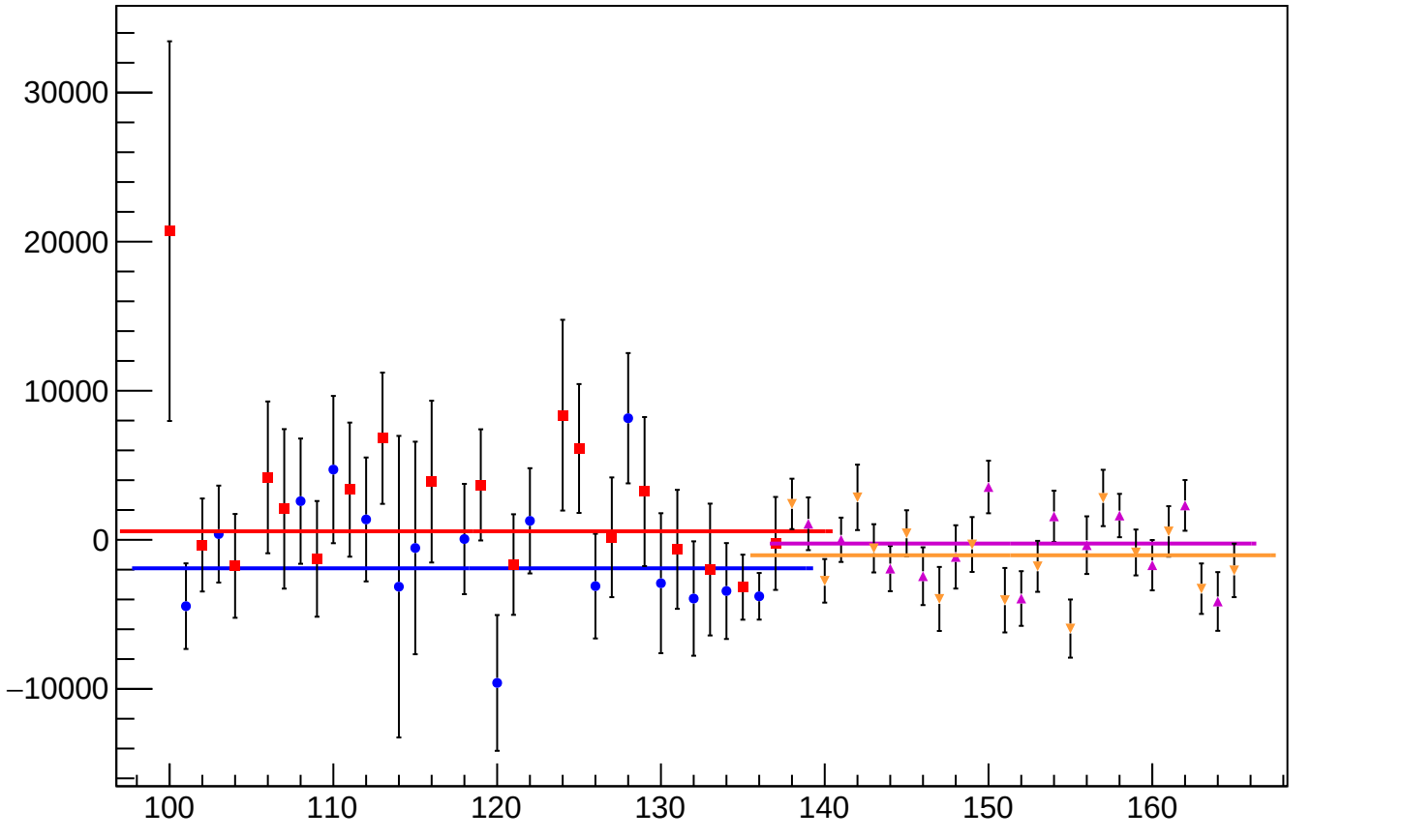
Left: 198.998+/-0.030 χ^2/NDF: 335084.2/27

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.506+/-0.033 χ^2/NDF:346942.9/28

Out: 199.019+/-0.032 χ^2/NDF:367344.9/33

All: 199.735+/-0.023 χ^2/NDF: 715315.1/62



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1036.357+/-453.320 χ^2/NDF:27.3/14

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -250.320+/-479.602 χ^2/NDF:21.6/12

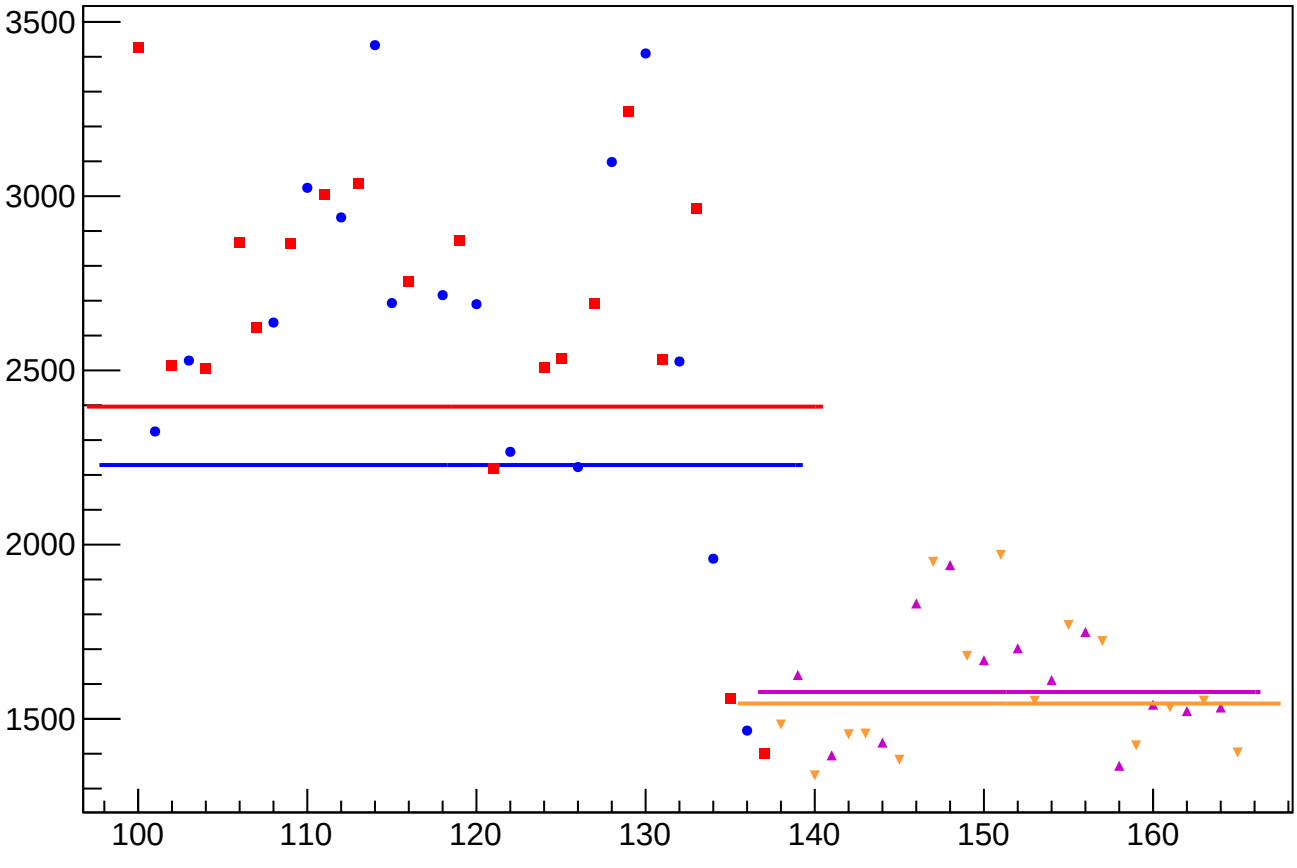
Left: -665.464+/-329.445 χ^2/NDF: 50.3/27

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -644.759+/-418.764 χ^2/NDF:40.8/28

Out: -711.359+/-404.904 χ^2/NDF:44.4/33

All: -679.179+/-291.087 χ^2/NDF: 85.2/62



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.037+/-0.321 χ^2/NDF:302919.6/14

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1577.125+/-0.339 χ^2/NDF:220735.1/12

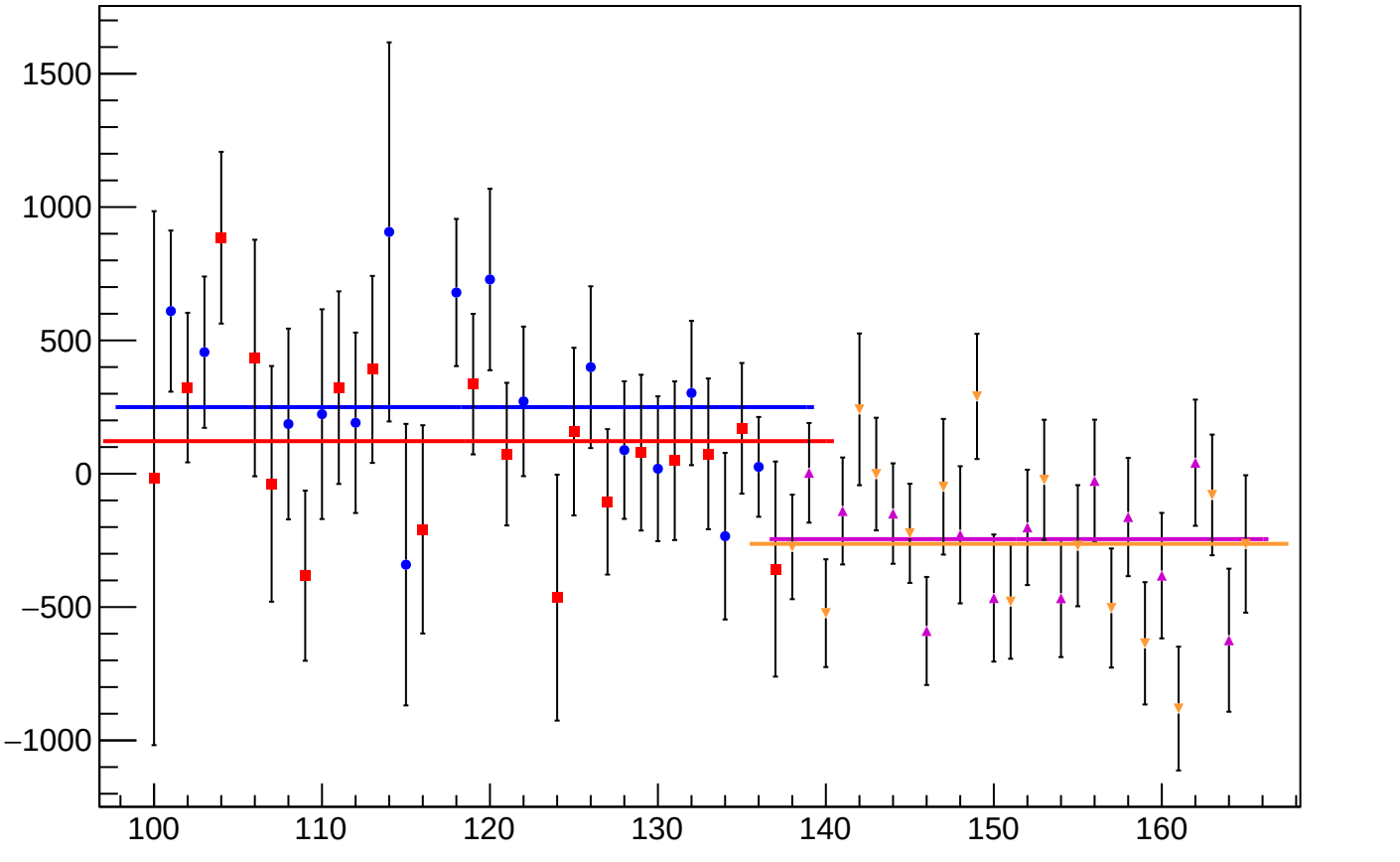
Left: 1559.650+/-0.233 χ^2/NDF: 528682.3/27

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1731.882+/-0.296 χ^2/NDF:2044791.1/28

Out: 1716.321+/-0.286 χ^2/NDF:2531011.2/33

All: 1723.839+/-0.206 χ^2/NDF: 4577229.6/62



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.915+/-57.638 χ^2/NDF:26.4/14

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -245.167+/-60.878 χ^2/NDF:12.0/12

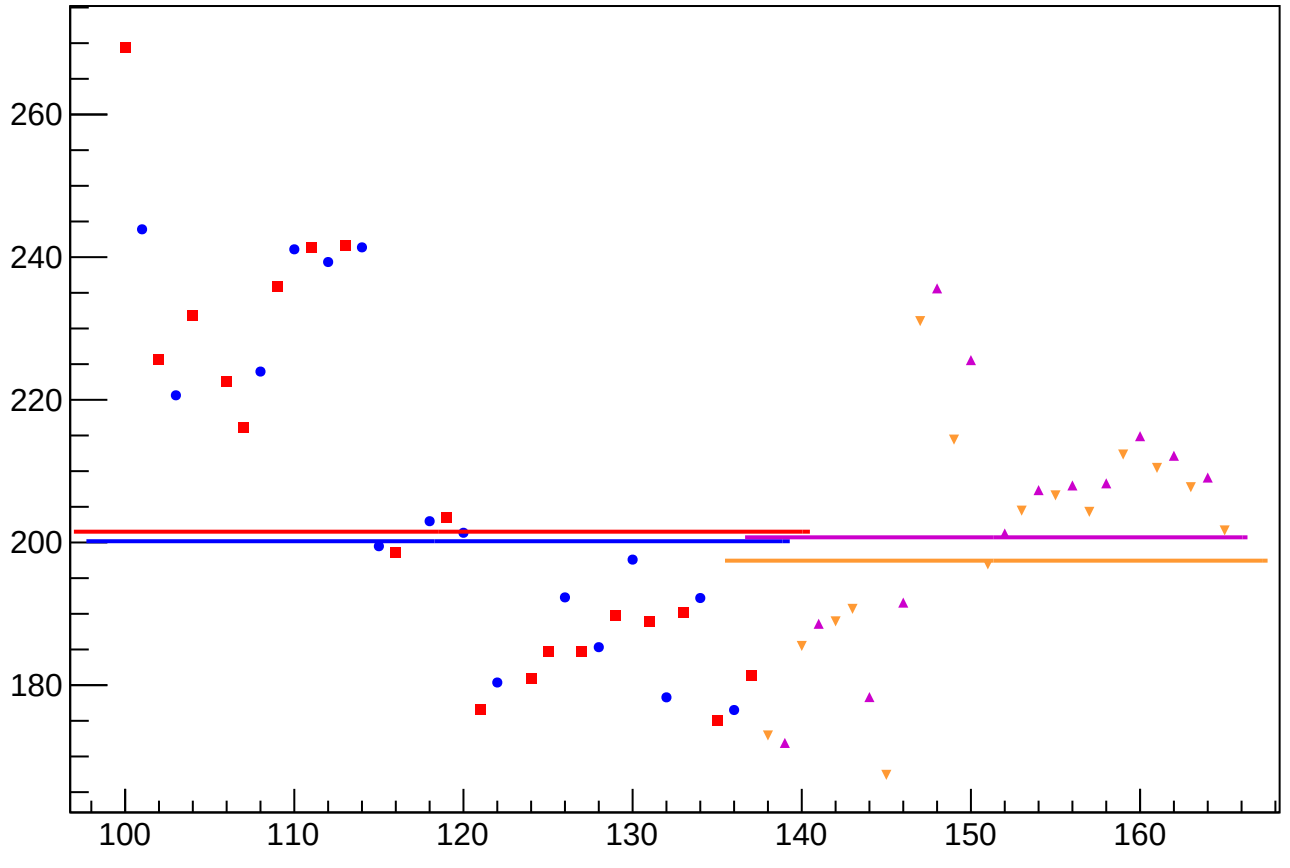
Left: -254.526+/-41.855 χ^2/NDF: 38.4/27

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -48.200+/-47.236 χ^2/NDF:52.0/28

Out: -118.419+/-45.560 χ^2/NDF:58.6/33

All: -84.578+/-32.792 χ^2/NDF: 111.7/62



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

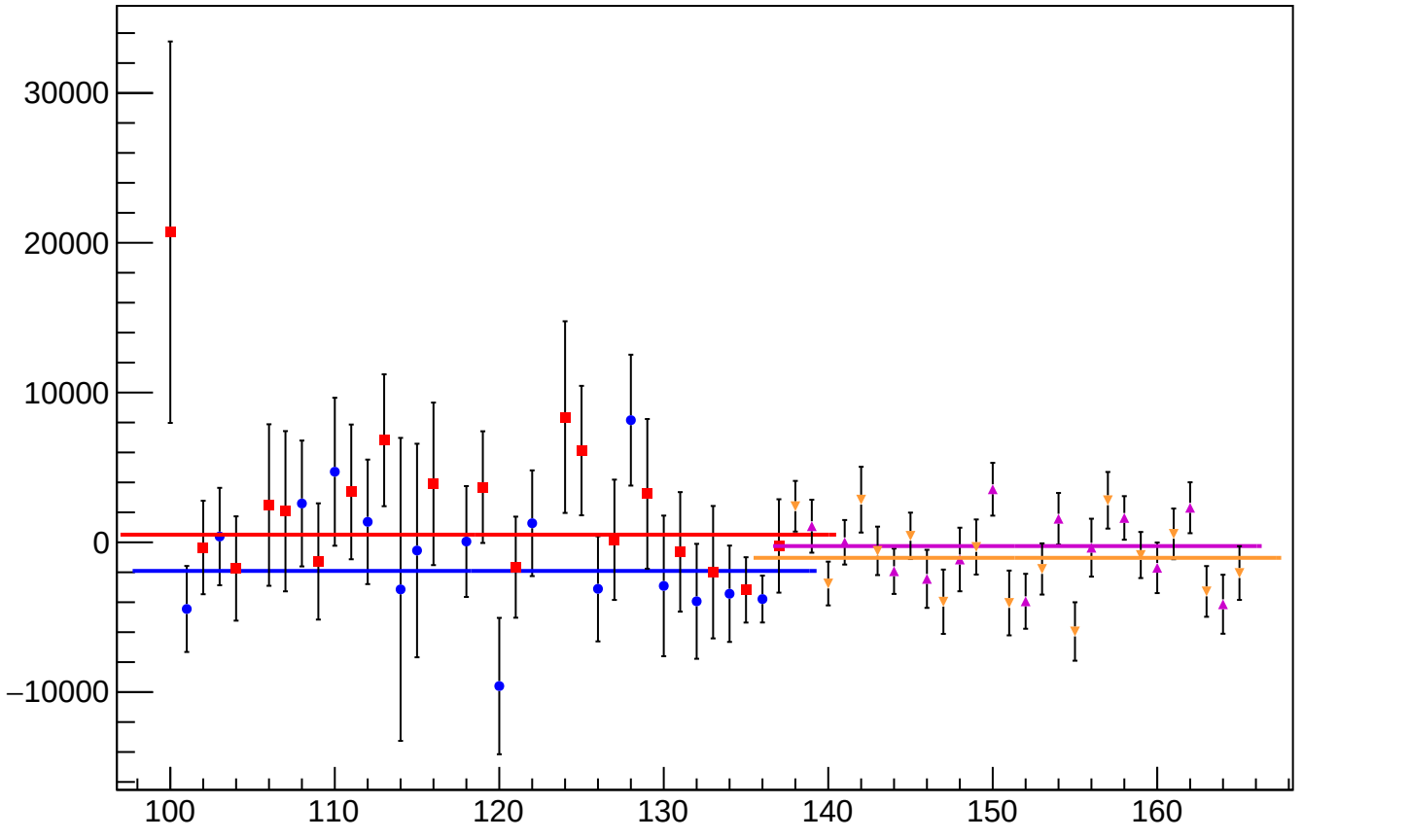
Left: 198.998+/-0.030 χ^2/NDF: 335084.2/27

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.506+/-0.033 χ^2/NDF:346943.2/28

Out: 198.976+/-0.032 χ^2/NDF:365319.9/33

All: 199.713+/-0.023 χ^2/NDF: 713350.0/62



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1036.355+/-453.320 χ^2/NDF:27.3/14

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -250.316+/-479.602 χ^2/NDF:21.6/12

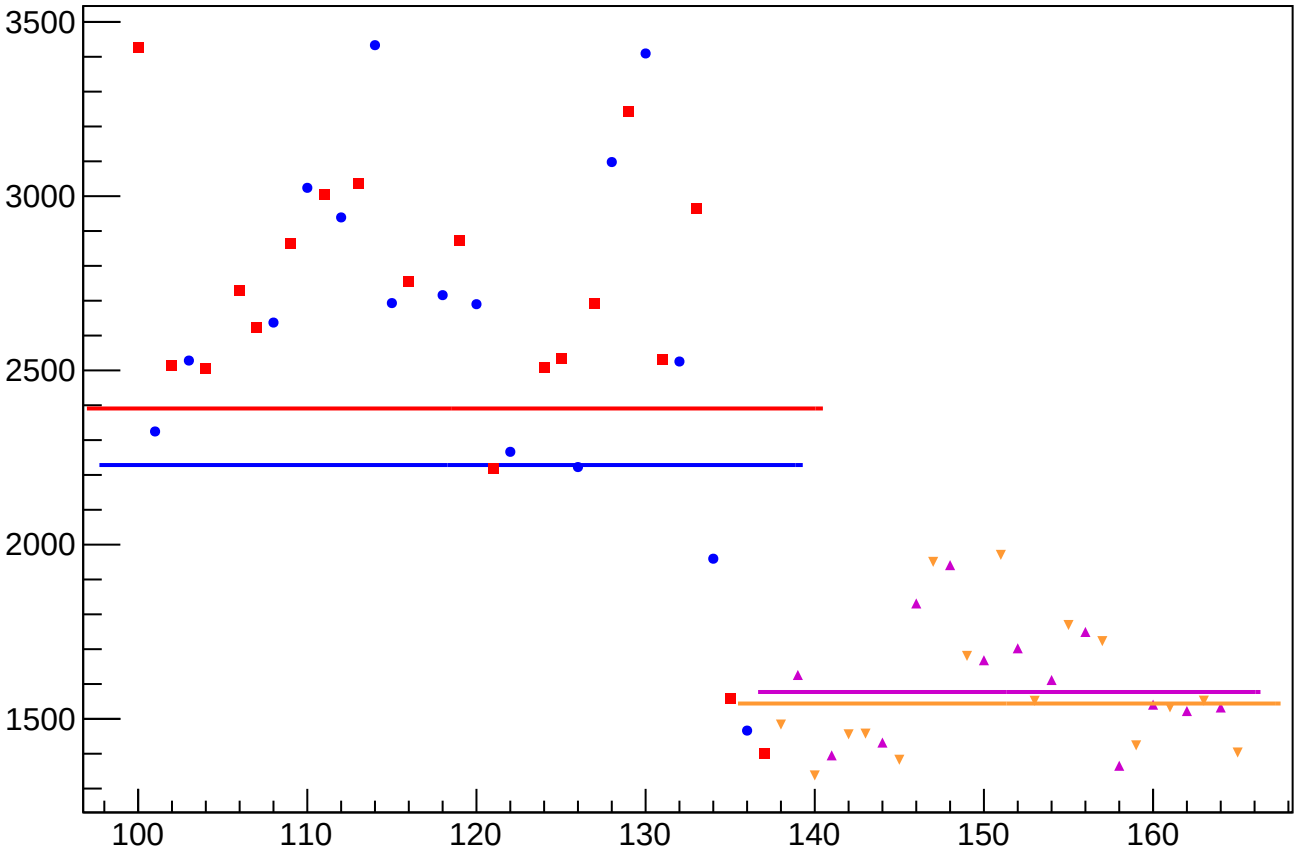
Left: -665.462+/-329.445 χ^2/NDF: 50.3/27

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -644.745+/-418.764 χ^2/NDF:40.8/28

Out: -724.287+/-405.045 χ^2/NDF:43.9/33

All: -685.841+/-291.140 χ^2/NDF: 84.6/62



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.038+/-0.321 χ^2/NDF:302919.7/14

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

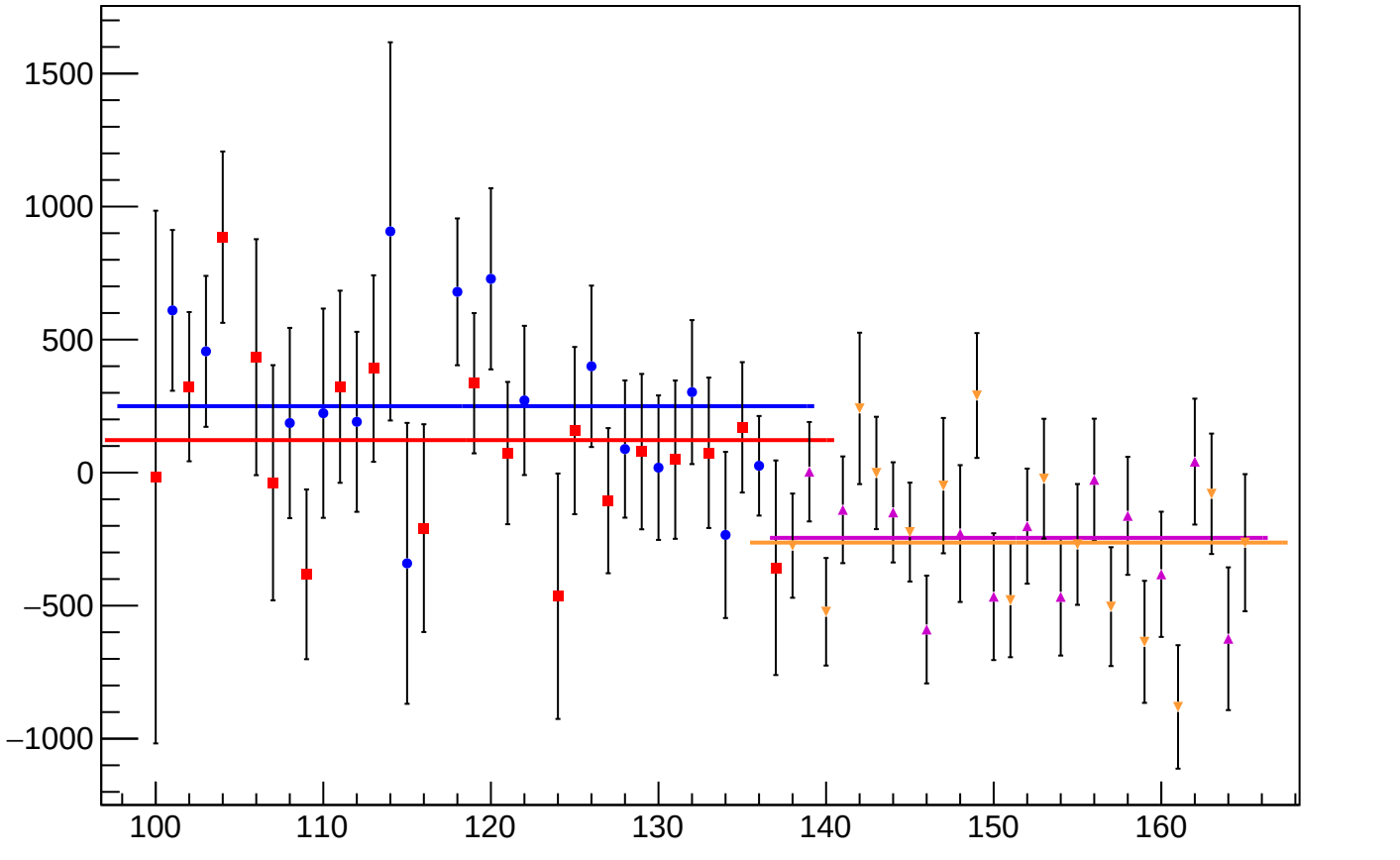
Left: 1559.650+/-0.233 χ^2/NDF: 528682.4/27

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1731.883+/-0.296 χ^2/NDF:2044800.6/28

Out: 1714.766+/-0.286 χ^2/NDF:2499791.5/33

All: 1723.040+/-0.206 χ^2/NDF: 4546318.4/62



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.915+/-57.638 χ^2/NDF:26.4/14

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -245.167+/-60.878 χ^2/NDF:12.0/12

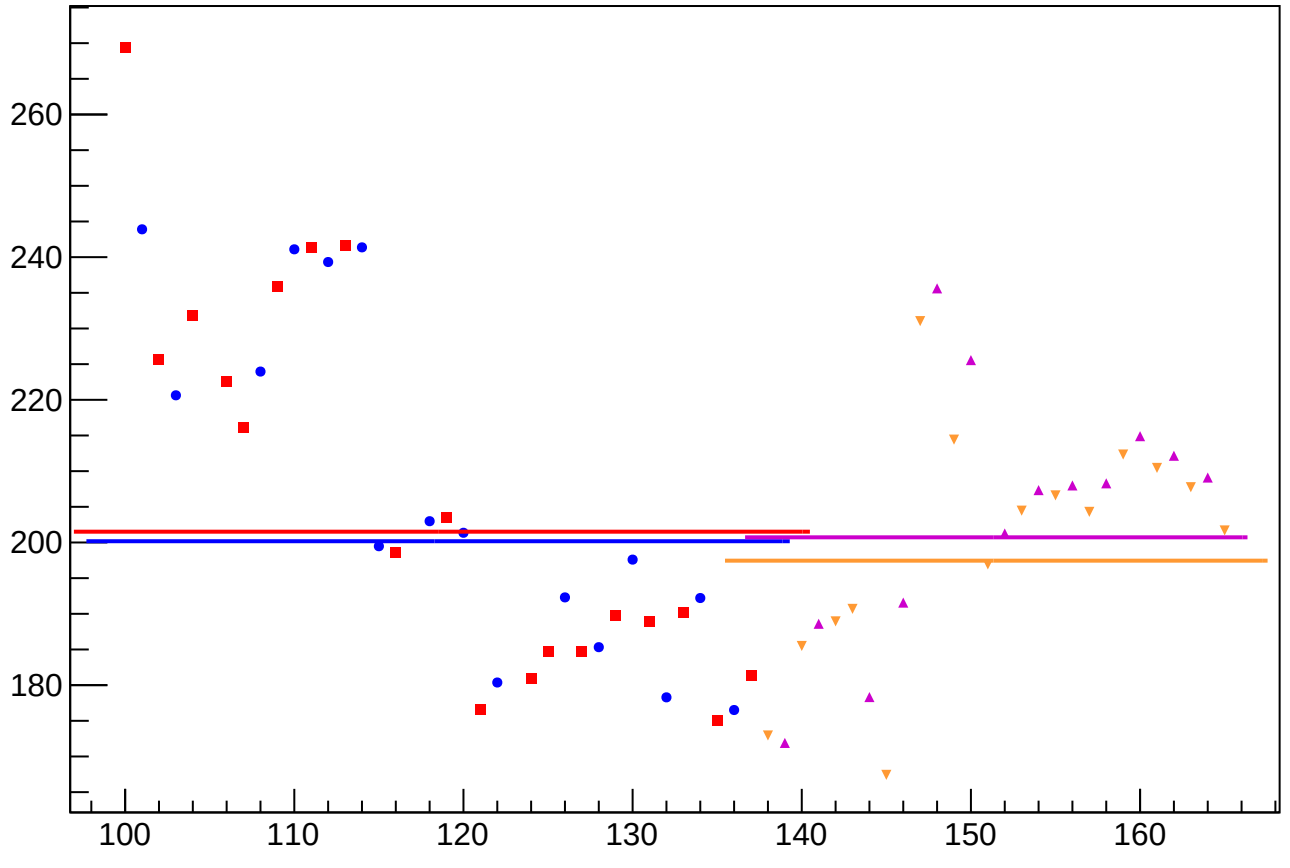
Left: -254.526+/-41.855 χ^2/NDF: 38.4/27

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -48.200+/-47.236 χ^2/NDF:52.0/28

Out: -118.419+/-45.560 χ^2/NDF:58.6/33

All: -84.578+/-32.792 χ^2/NDF: 111.7/62



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

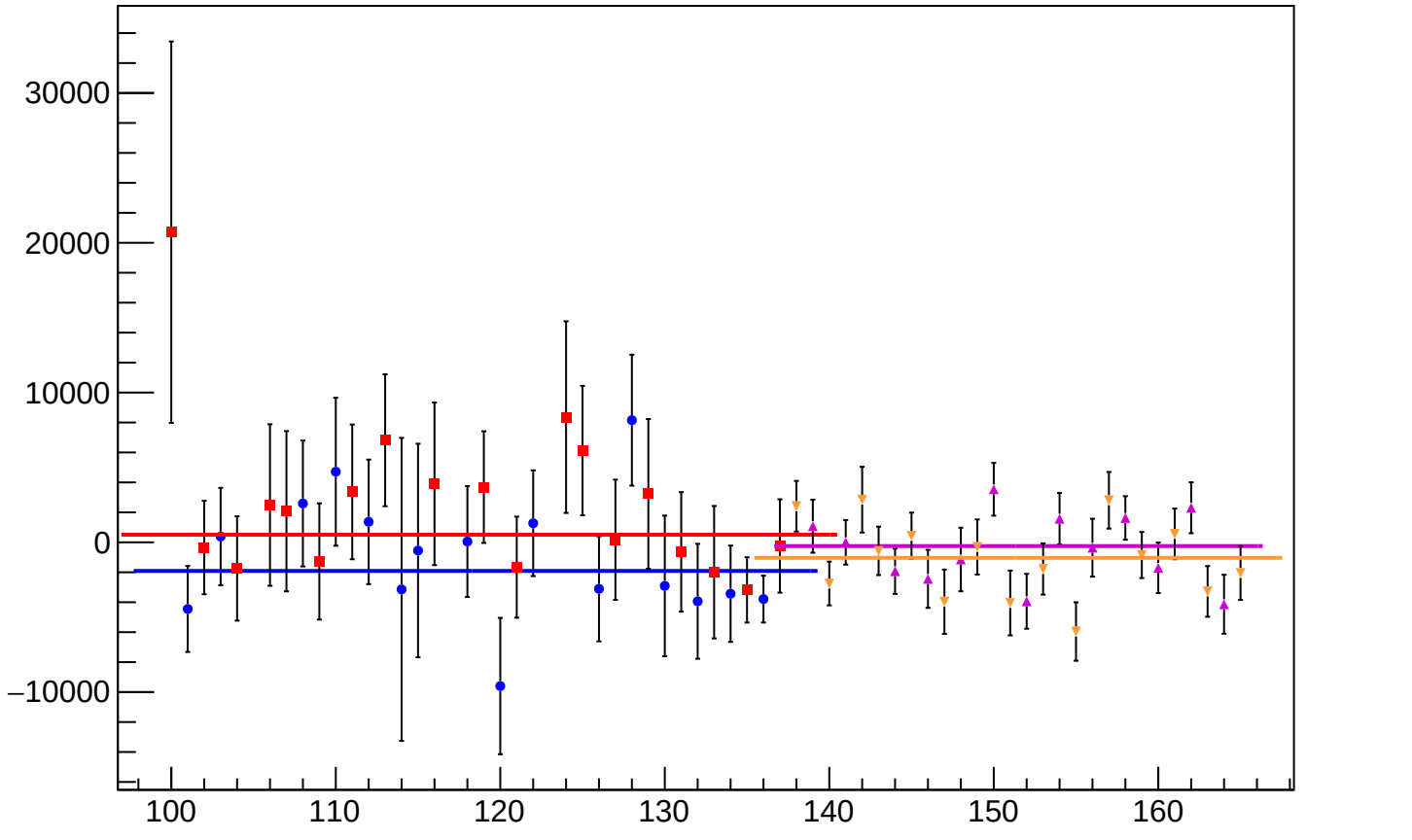
Left: 198.998+/-0.030 χ^2/NDF: 335084.2/27

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.506+/-0.033 χ^2/NDF:346943.2/28

Out: 198.976+/-0.032 χ^2/NDF:365319.9/33

All: 199.713+/-0.023 χ^2/NDF: 713350.0/62



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1036.355+/-453.320 χ^2/NDF:27.3/14

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -250.316+/-479.602 χ^2/NDF:21.6/12

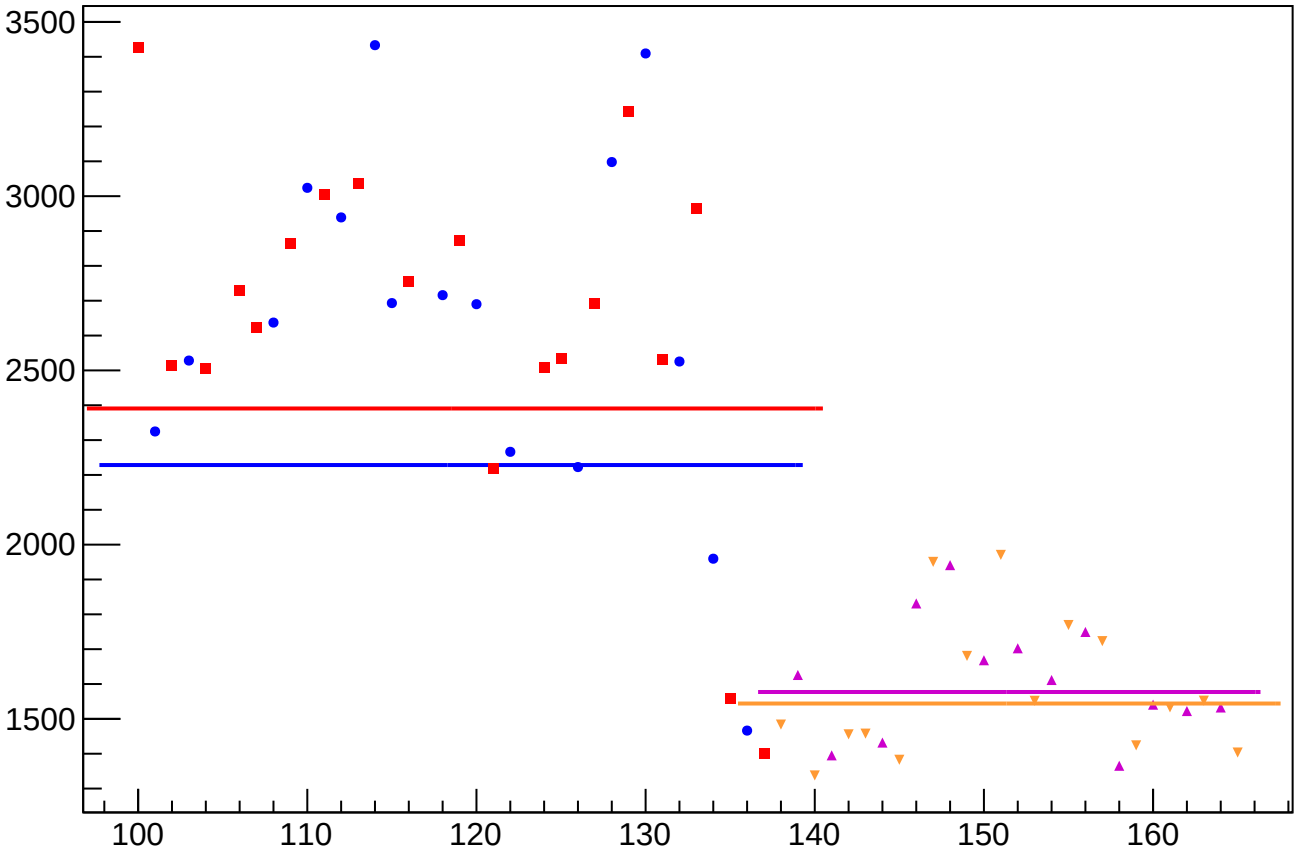
Left: -665.462+/-329.445 χ^2/NDF: 50.3/27

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -644.745+/-418.764 χ^2/NDF:40.8/28

Out: -724.287+/-405.045 χ^2/NDF:43.9/33

All: -685.841+/-291.140 χ^2/NDF: 84.6/62



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.038+/-0.321 χ^2/NDF:302919.7/14

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

Left: 1559.650+/-0.233 χ^2/NDF: 528682.4/27

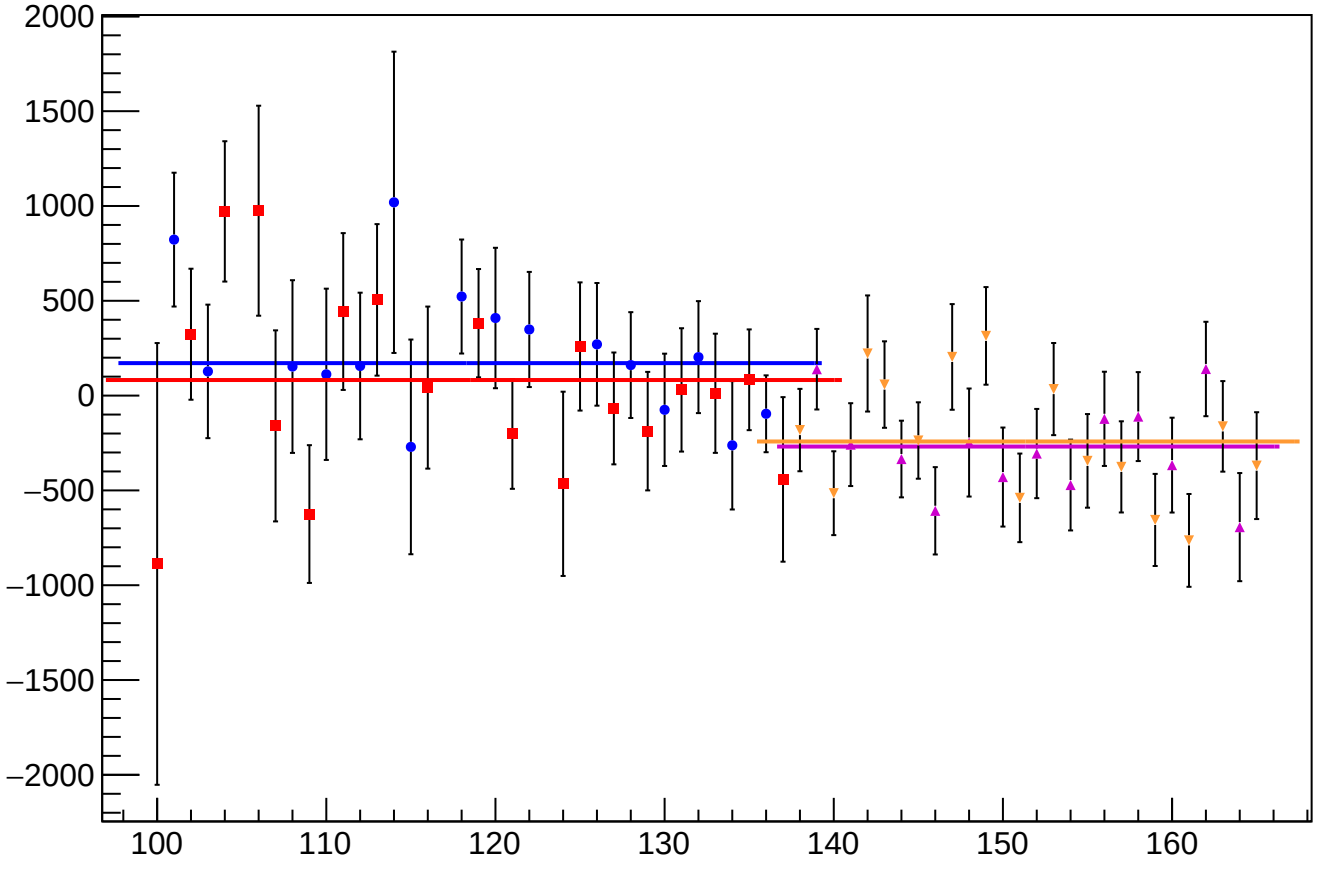
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1731.883+/-0.296 χ^2/NDF:2044800.6/28

Out: 1714.766+/-0.286 χ^2/NDF:2499791.5/33

All: 1723.040+/-0.206 χ^2/NDF: 4546318.4/62

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -241.967+/-62.392 χ^2/NDF:24.0/14

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -268.722+/-66.272 χ^2/NDF:13.0/12

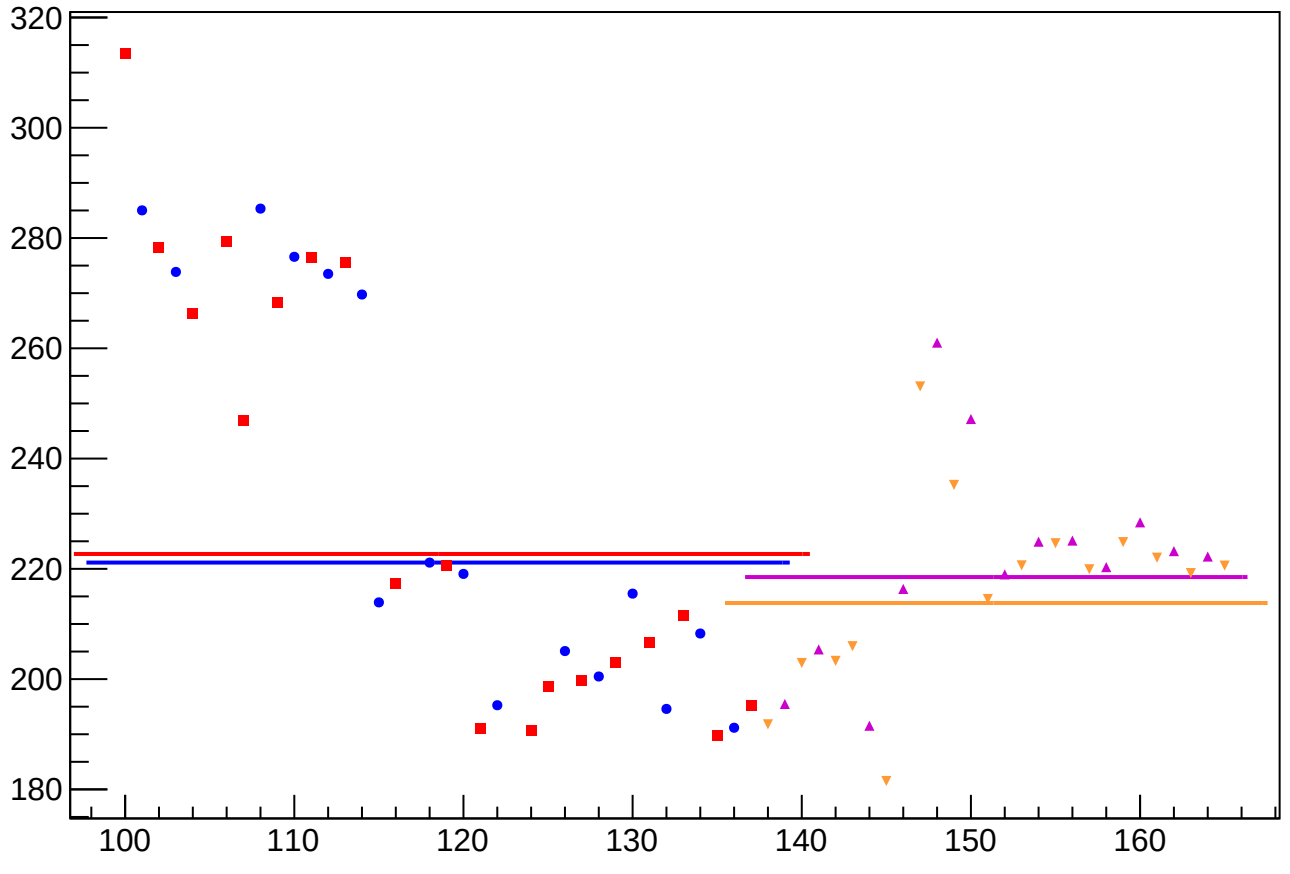
Left: -254.538+/-45.427 χ^2/NDF: 37.1/27

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -97.718+/-51.817 χ^2/NDF:41.6/28

Out: -124.122+/-49.773 χ^2/NDF:55.5/33

All: -111.451+/-35.896 χ^2/NDF: 97.2/62



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.806+/-0.044 χ^2/NDF:150335.6/14

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 218.512+/-0.047 χ^2/NDF:142265.8/12

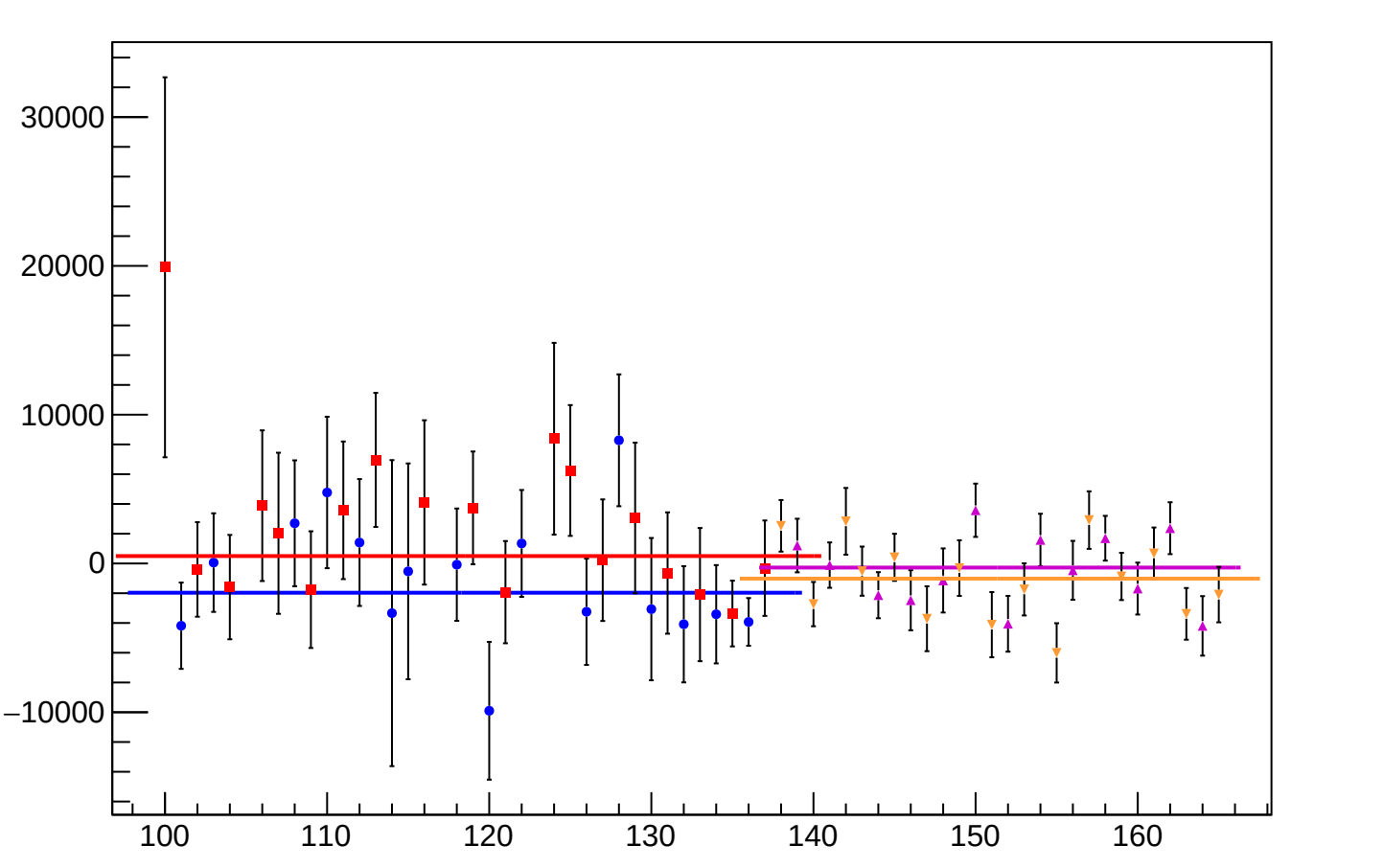
Left: 216.017+/-0.032 χ^2/NDF: 297946.9/27

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.533+/-0.037 χ^2/NDF:462189.8/28

Out: 217.039+/-0.035 χ^2/NDF:492136.3/33

All: 218.236+/-0.025 χ^2/NDF: 956735.9/62



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -1018.299+/-464.051 χ^2/NDF:26.8/14

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -275.023+/-491.507 χ^2/NDF:21.8/12

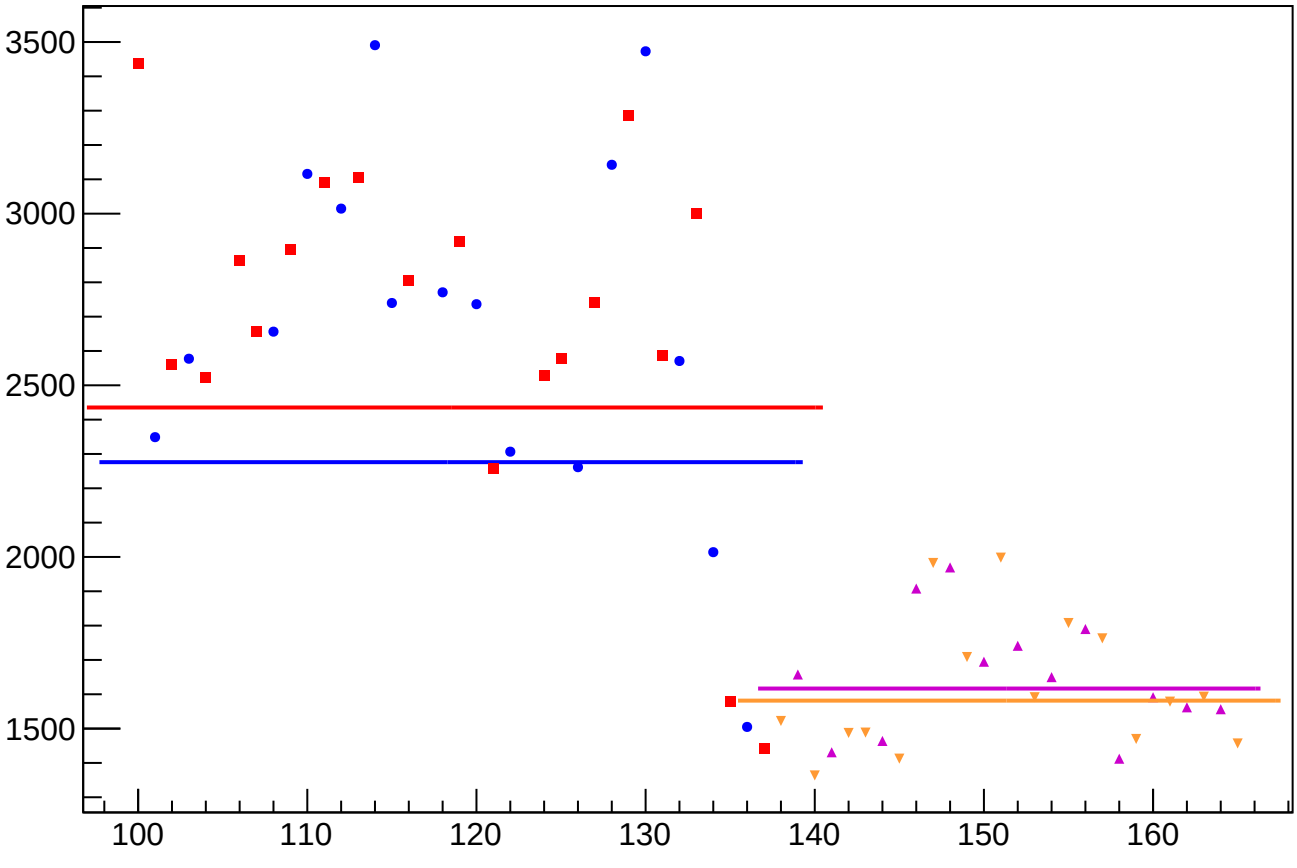
Left: -668.000+/-337.422 χ^2/NDF: 49.8/27

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -679.812+/-428.716 χ^2/NDF:40.8/28

Out: -708.099+/-413.845 χ^2/NDF:43.7/33

All: -694.455+/-297.751 χ^2/NDF: 84.5/62



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1581.491+/-0.328 χ^2/NDF:289308.5/14

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1616.664+/-0.348 χ^2/NDF:215226.4/12

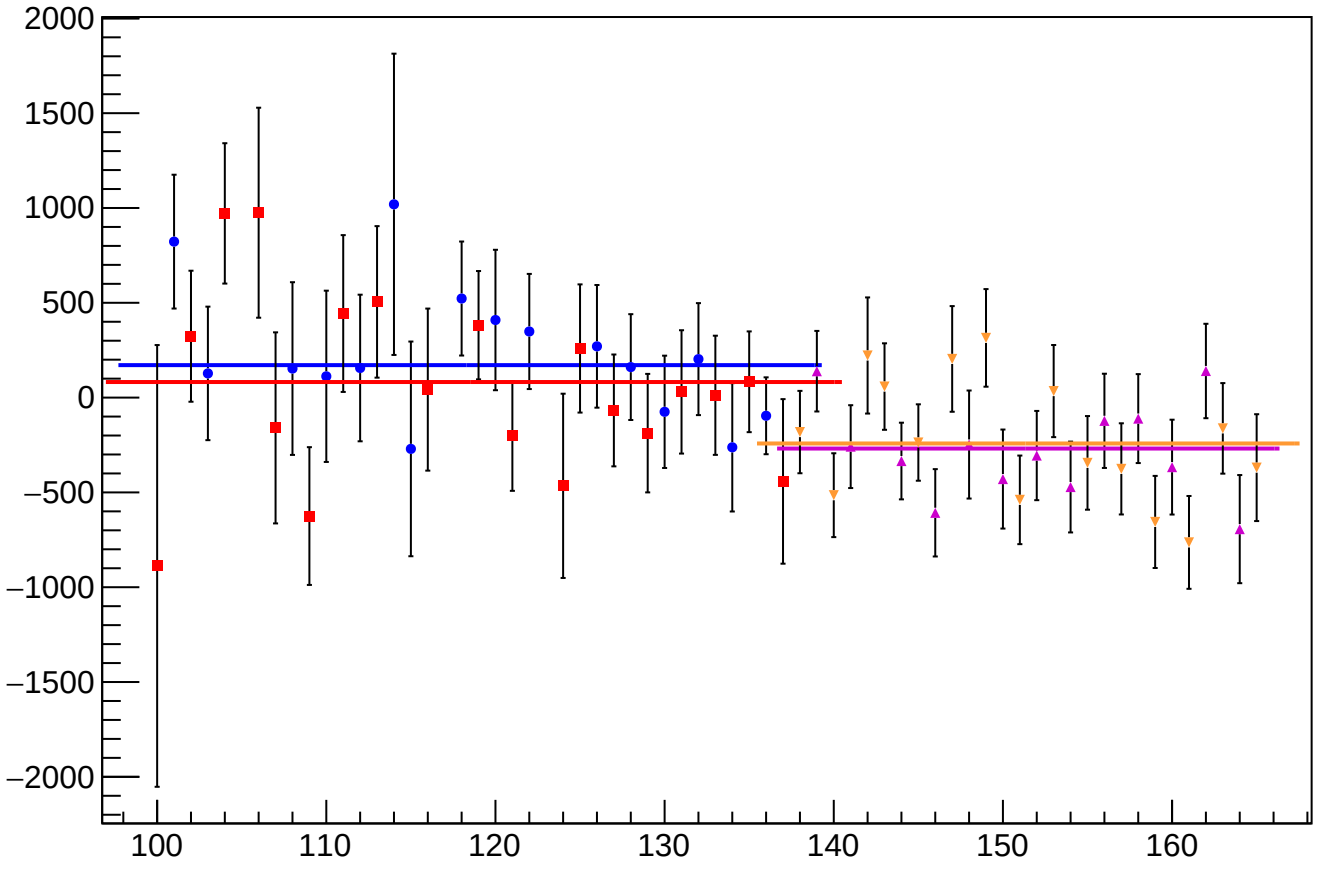
Left: 1598.068+/-0.239 χ^2/NDF: 509950.3/27

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1774.397+/-0.303 χ^2/NDF:2003378.4/28

Out: 1756.254+/-0.293 χ^2/NDF:2466746.5/33

All: 1765.006+/-0.211 χ^2/NDF: 4471979.1/62



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -241.966+/-62.392 χ^2/NDF:24.0/14

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -268.725+/-66.272 χ^2/NDF:13.0/12

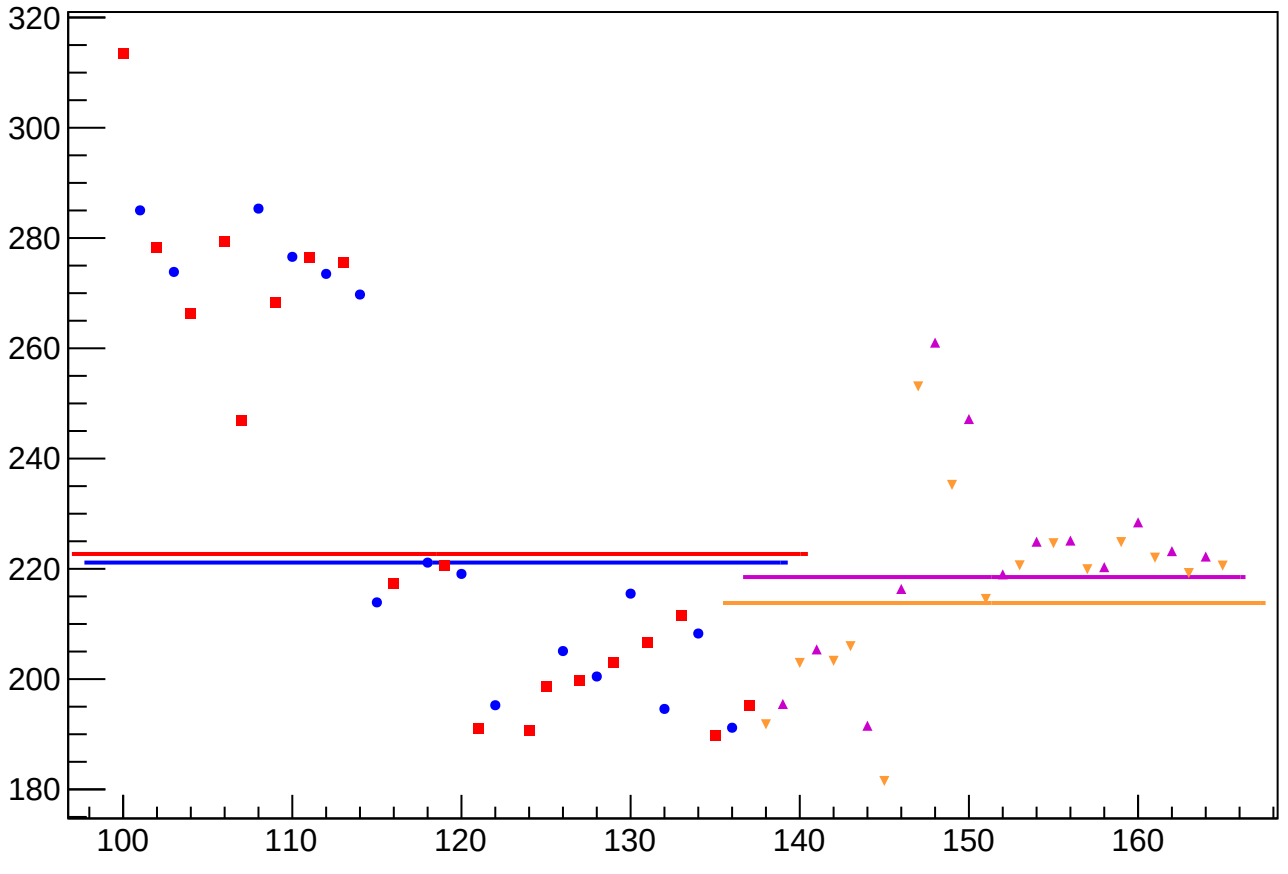
Left: -254.539+/-45.427 χ^2/NDF: 37.1/27

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -97.718+/-51.817 χ^2/NDF:41.6/28

Out: -124.122+/-49.773 χ^2/NDF:55.4/33

All: -111.451+/-35.896 χ^2/NDF: 97.2/62



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.806+/-0.044 χ^2/NDF:150339.6/14

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 218.511+/-0.047 χ^2/NDF:142267.7/12

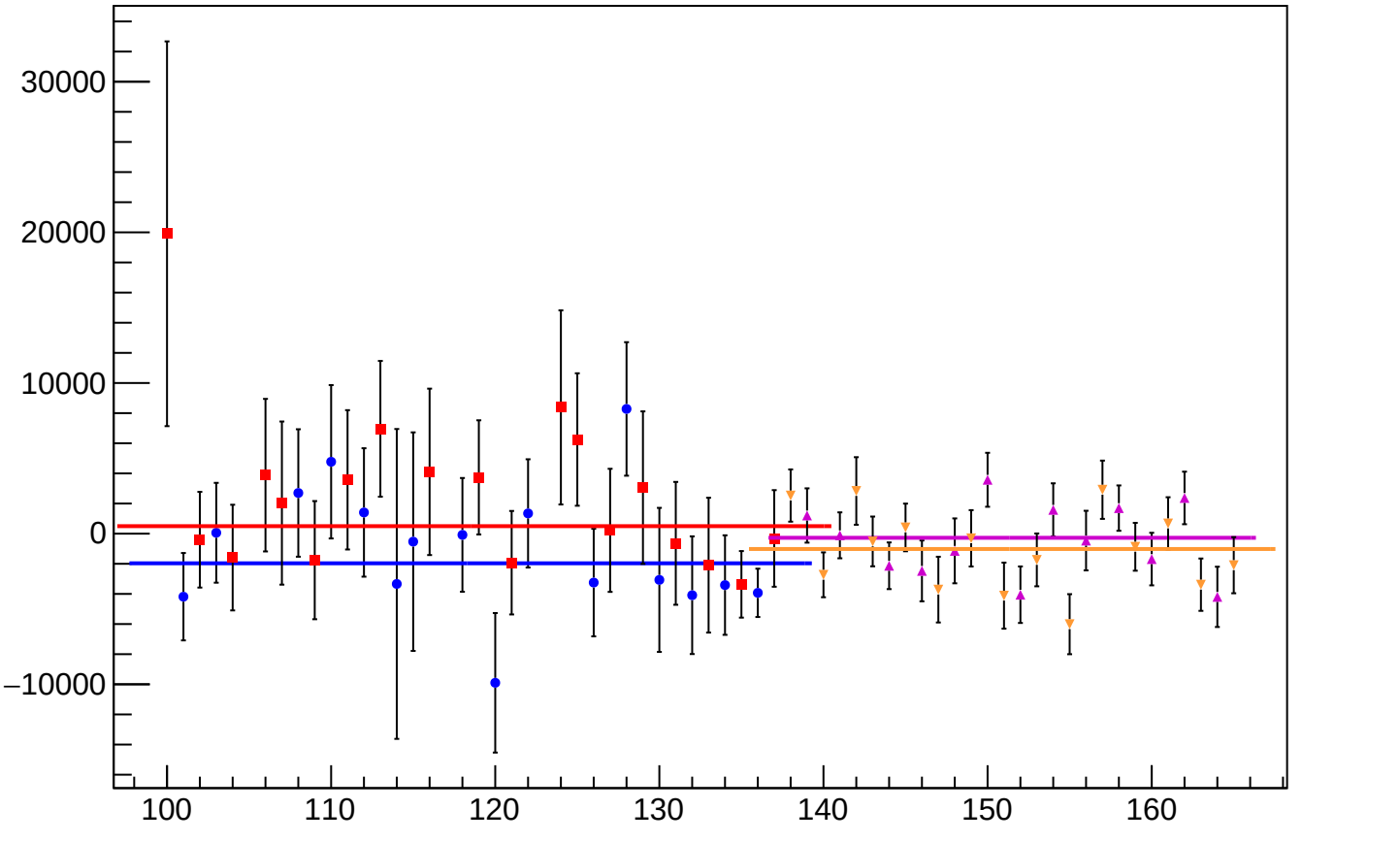
Left: 216.017+/-0.032 χ^2/NDF: 297952.5/27

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.532+/-0.037 χ^2/NDF:462185.6/28

Out: 217.038+/-0.035 χ^2/NDF:492130.5/33

All: 218.235+/-0.025 χ^2/NDF: 956725.6/62



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1018.297+/-464.051 χ^2/NDF:26.8/14

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -275.023+/-491.507 χ^2/NDF:21.8/12

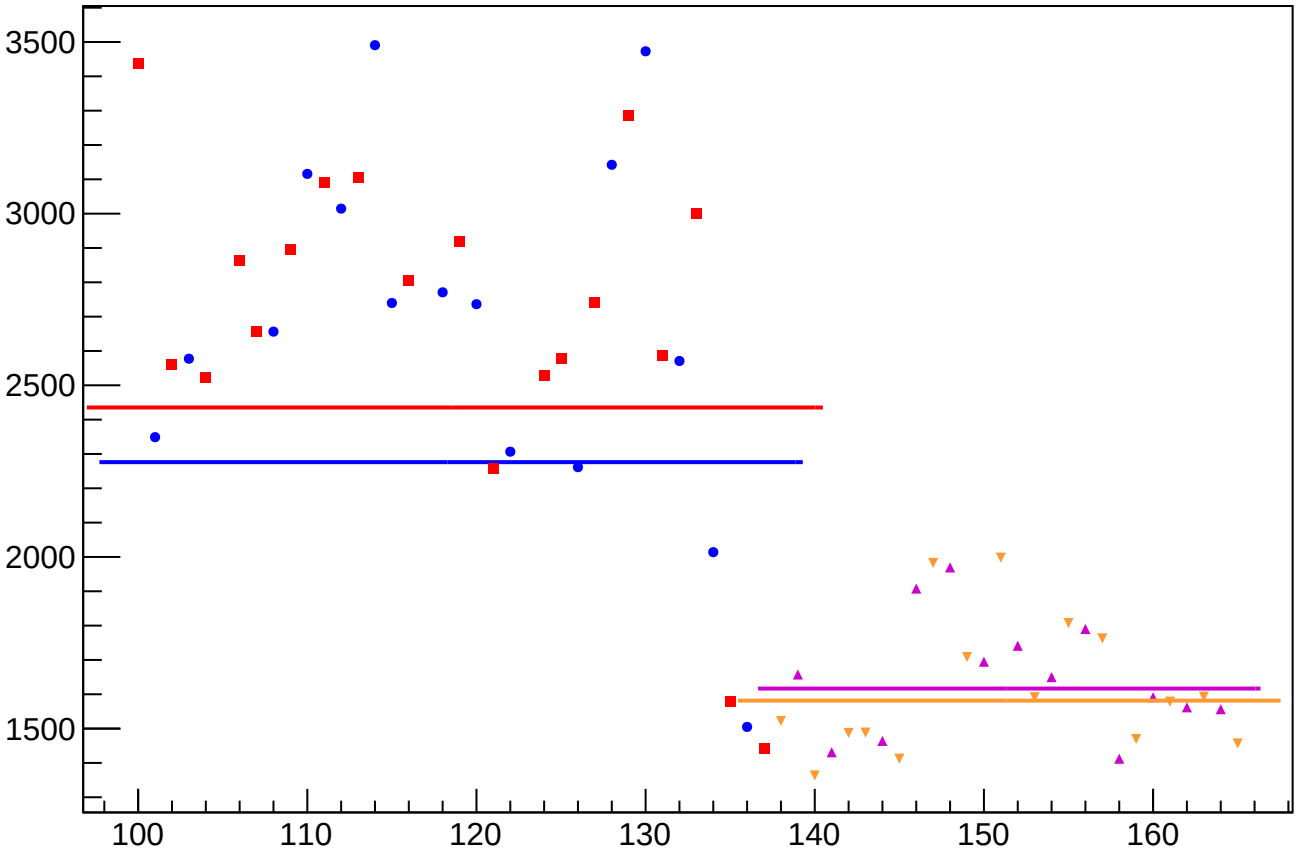
Left: -667.999+/-337.422 χ^2/NDF: 49.8/27

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -679.811+/-428.716 χ^2/NDF:40.8/28

Out: -708.097+/-413.845 χ^2/NDF:43.7/33

All: -694.453+/-297.751 χ^2/NDF: 84.5/62



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1581.491+/-0.328 χ^2/NDF:289311.7/14

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1616.664+/-0.348 χ^2/NDF:215227.6/12

Left: 1598.068+/-0.239 χ^2/NDF: 509954.6/27

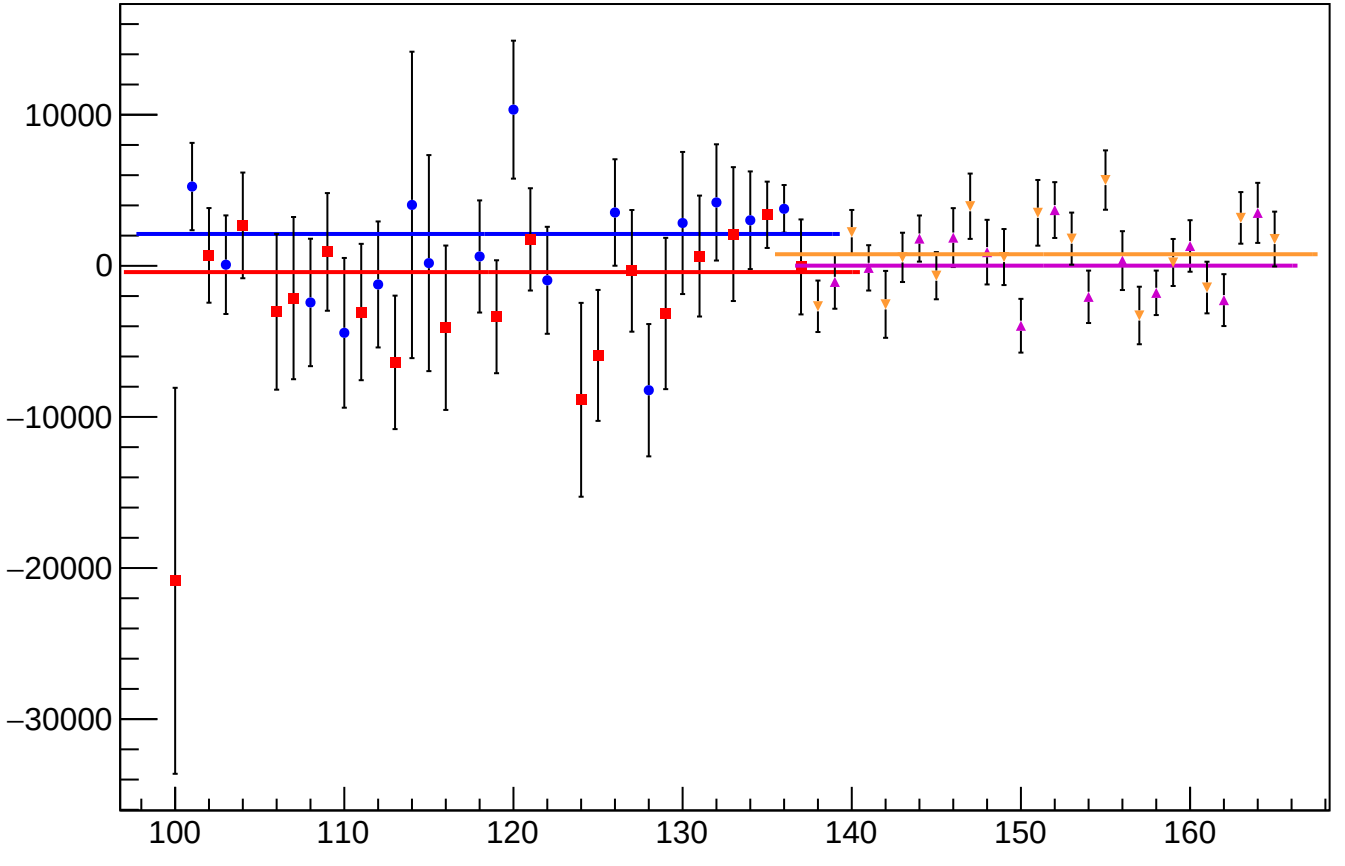
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1774.397+/-0.303 χ^2/NDF:2003365.3/28

Out: 1756.254+/-0.293 χ^2/NDF:2466736.1/33

All: 1765.005+/-0.211 χ^2/NDF: 4471955.6/62

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 767.897+/-457.182 χ^2/NDF:27.1/14

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 12.505+/-483.689 χ^2/NDF:20.2/12

Left: 411.466+/-332.252 χ^2/NDF: 48.6/27

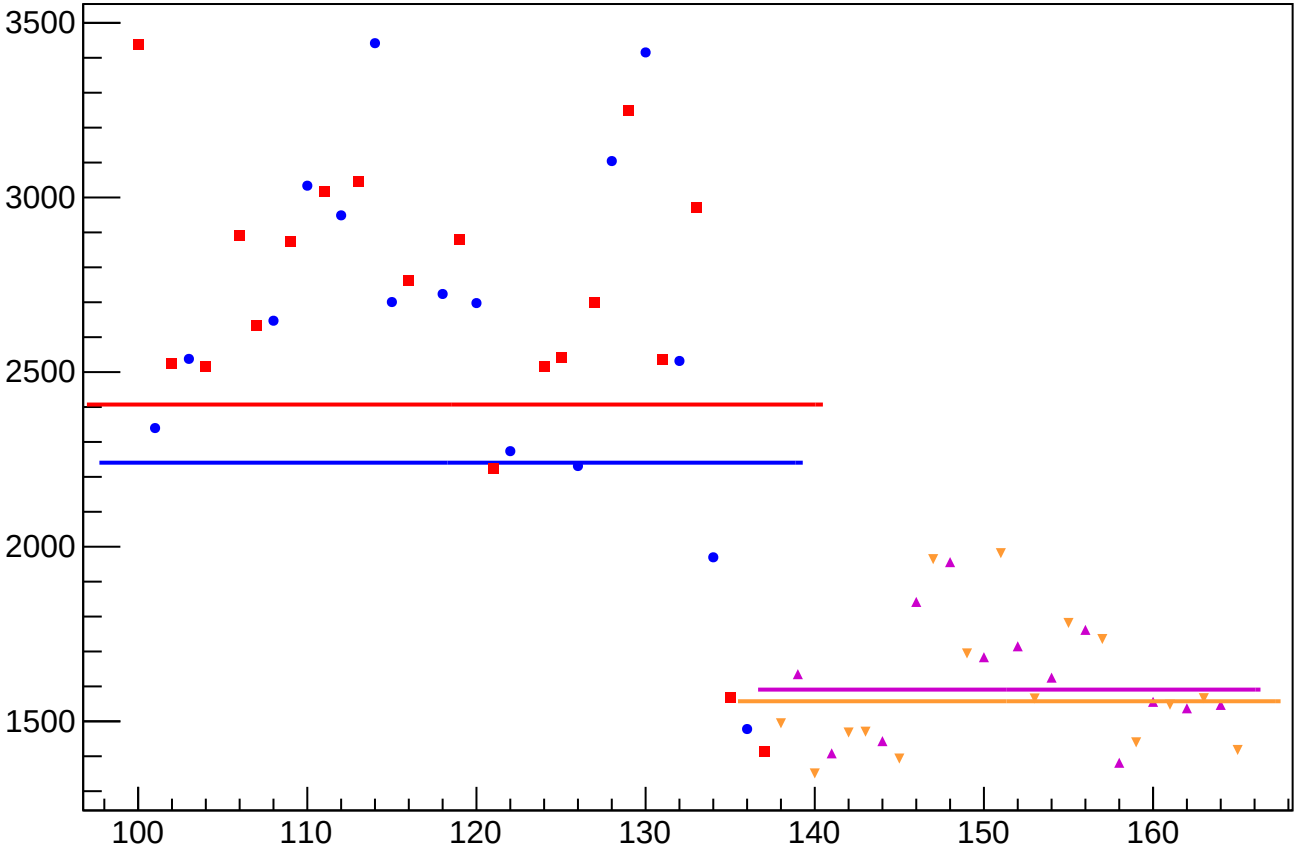
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 513.525+/-421.970 χ^2/NDF:41.3/28

Out: 527.333+/-408.014 χ^2/NDF:43.1/33

All: 520.661+/-293.319 χ^2/NDF: 84.4/62

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.489+/-0.323 χ^2/NDF:297906.7/14

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1590.832+/-0.342 χ^2/NDF:215879.4/12

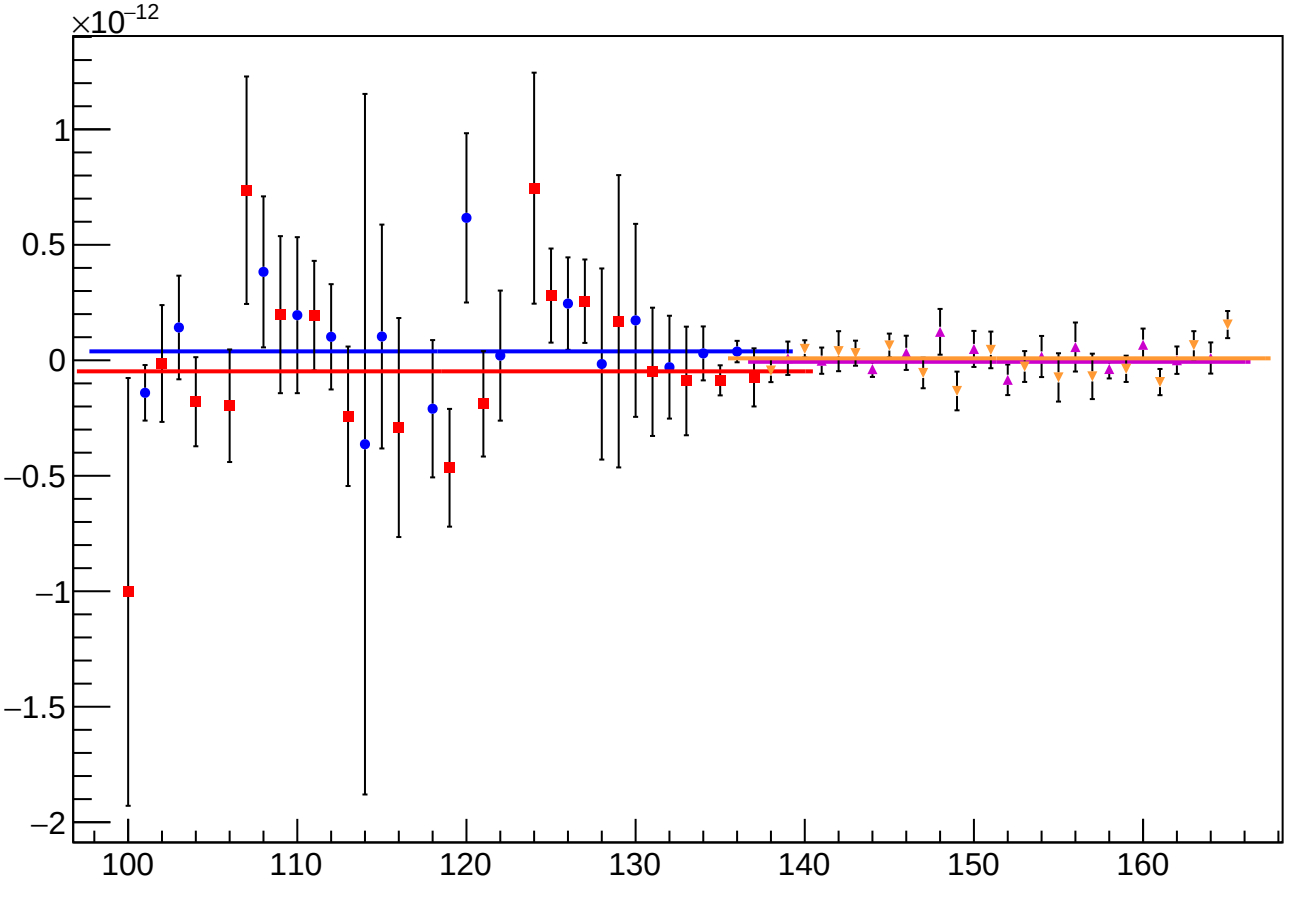
Left: 1573.222+/-0.235 χ^2/NDF: 518805.9/27

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1746.080+/-0.298 χ^2/NDF:2011848.4/28

Out: 1730.410+/-0.289 χ^2/NDF:2492715.3/33

All: 1737.982+/-0.207 χ^2/NDF: 4505989.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/12

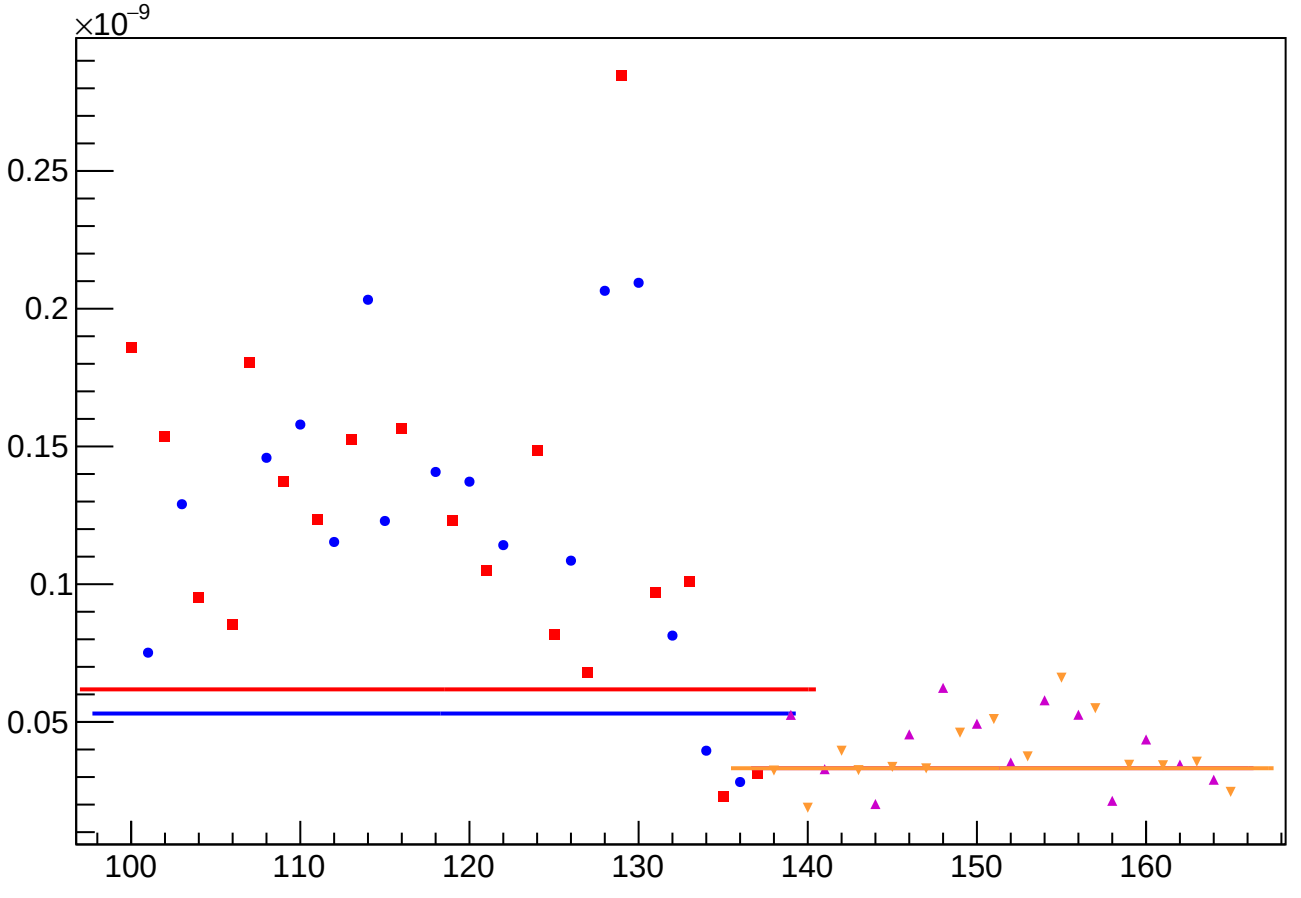
Left: 0.000+/-0.000 χ^2/NDF: 27.7/27

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:16.7/28

Out: 0.000+/-0.000 χ^2/NDF:40.0/33

All: 0.000+/-0.000 χ^2/NDF: 56.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:804699.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1191134.2/12

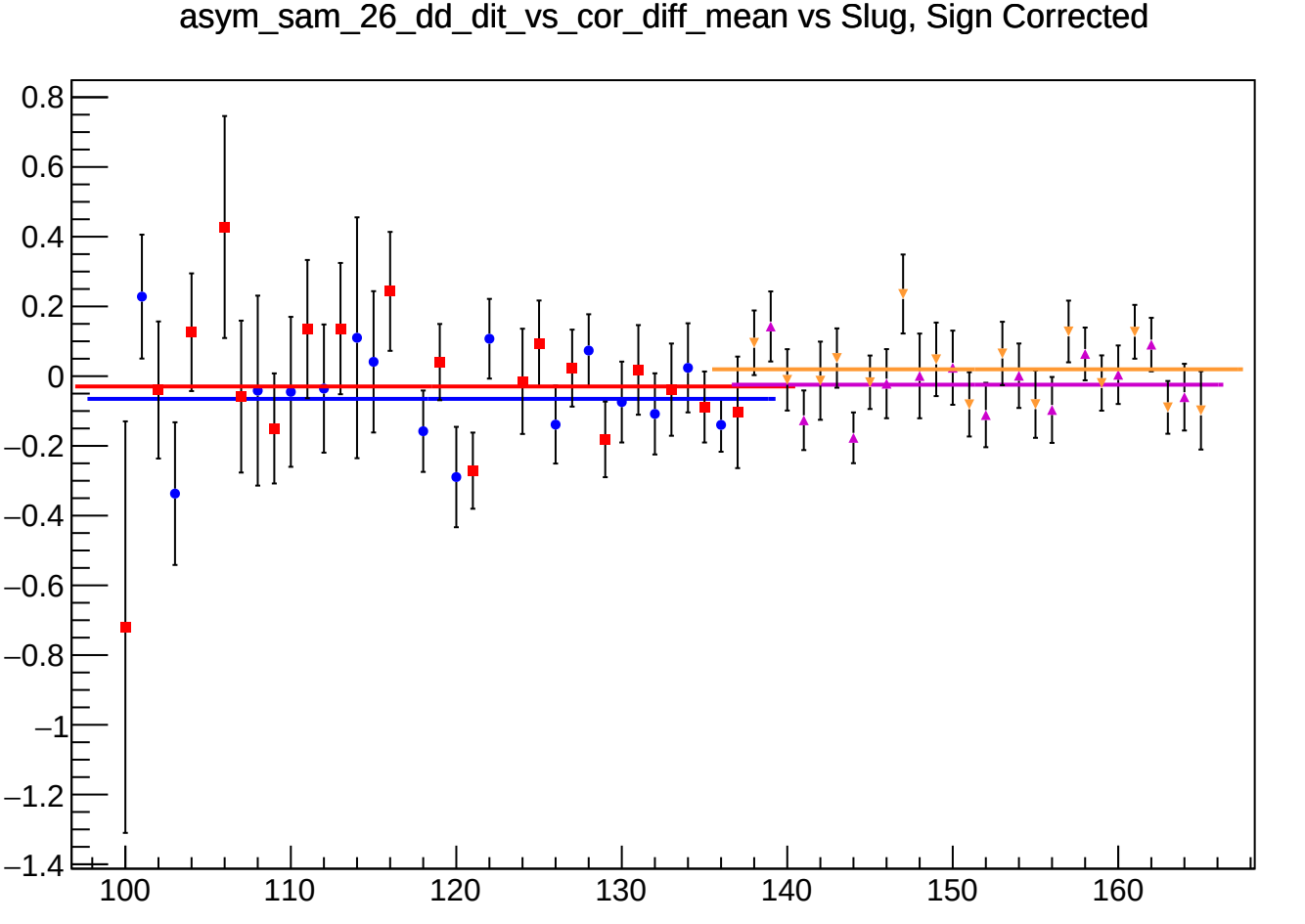
Left: 0.000+/-0.000 χ^2/NDF: 1995837.9/27

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4258150.8/28

Out: 0.000+/-0.000 χ^2/NDF:3992767.3/33

All: 0.000+/-0.000 χ^2/NDF: 8251125.9/62



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

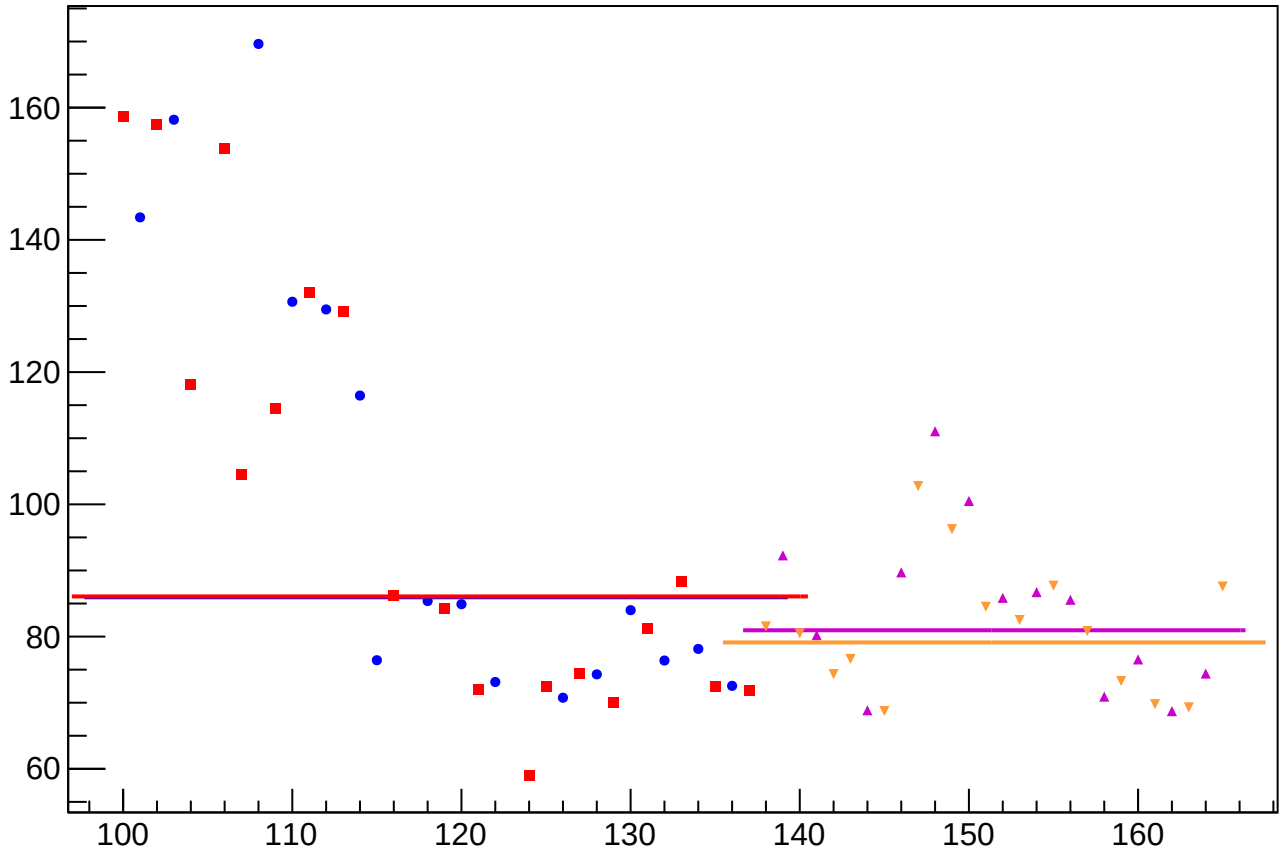
Left: -0.001+/-0.017 χ^2/NDF: 30.3/27

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.017+/-0.014 χ^2/NDF: 65.7/62



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.114+/-0.016 χ^2/NDF:295138.9/14

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

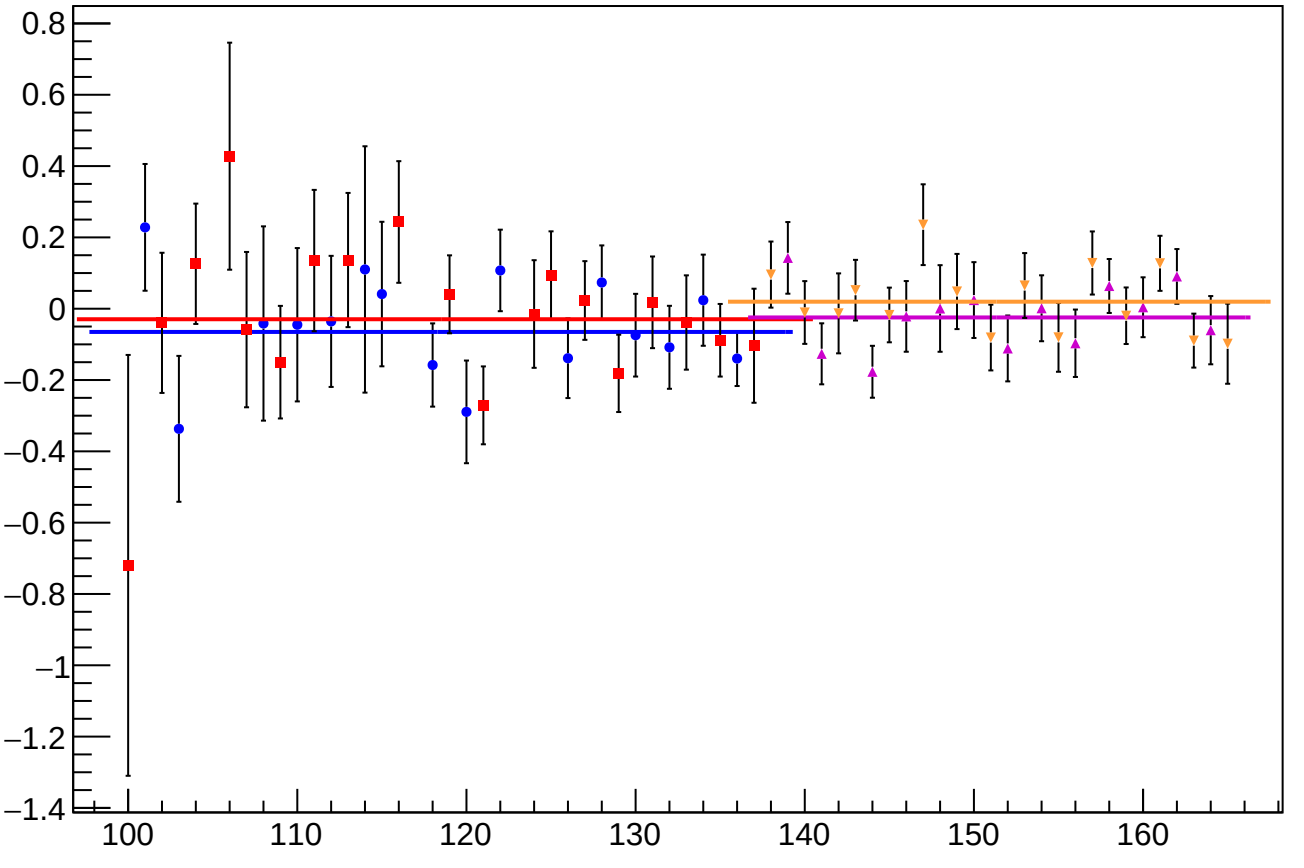
Left: 79.974+/-0.012 χ^2/NDF: 706909.2/27

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.737+/-0.014 χ^2/NDF:1469749.1/28

Out: 81.421+/-0.013 χ^2/NDF:1346098.4/33

All: 82.048+/-0.010 χ^2/NDF: 2820431.4/62



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

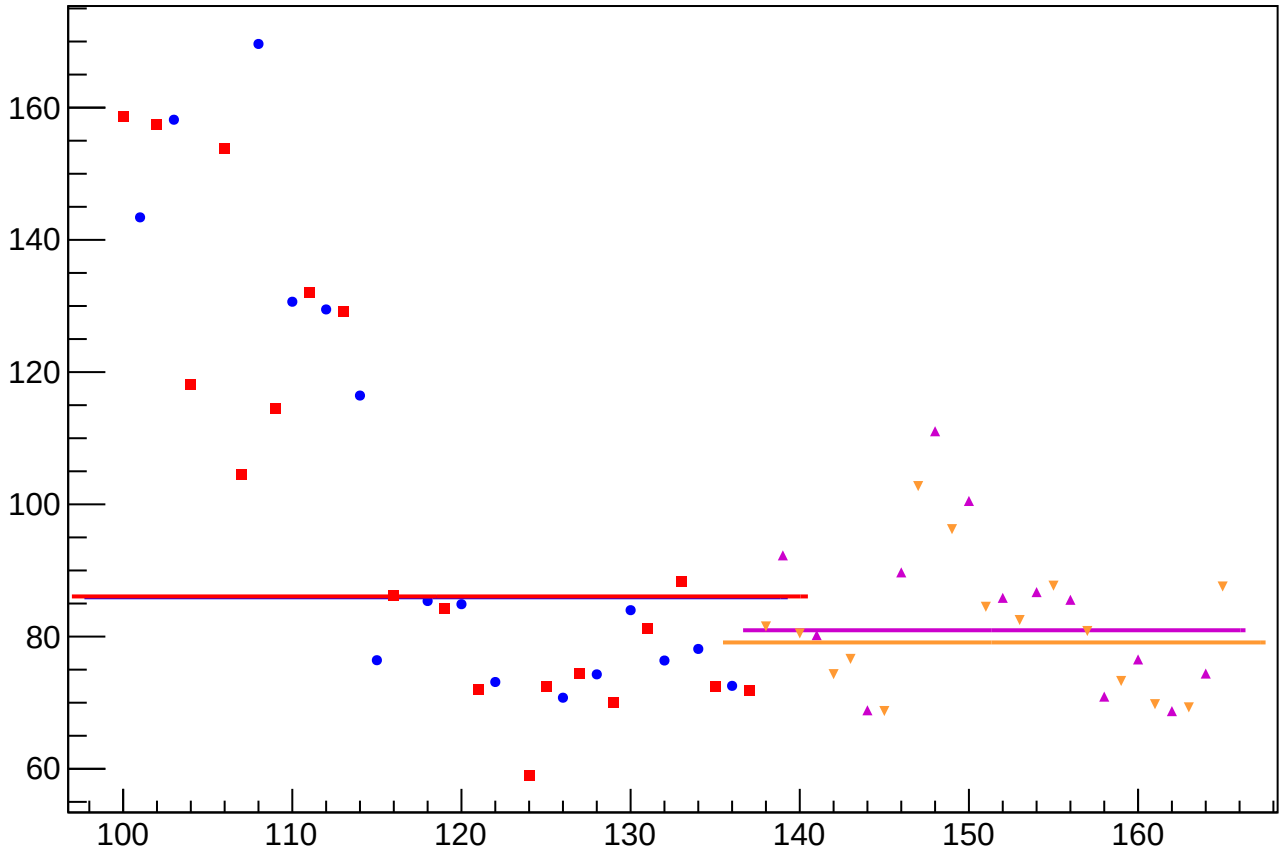
Left: -0.001+/-0.017 χ^2/NDF: 30.3/27

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.017+/-0.014 χ^2/NDF: 65.7/62



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.114+/-0.016 χ^2/NDF:295138.9/14

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

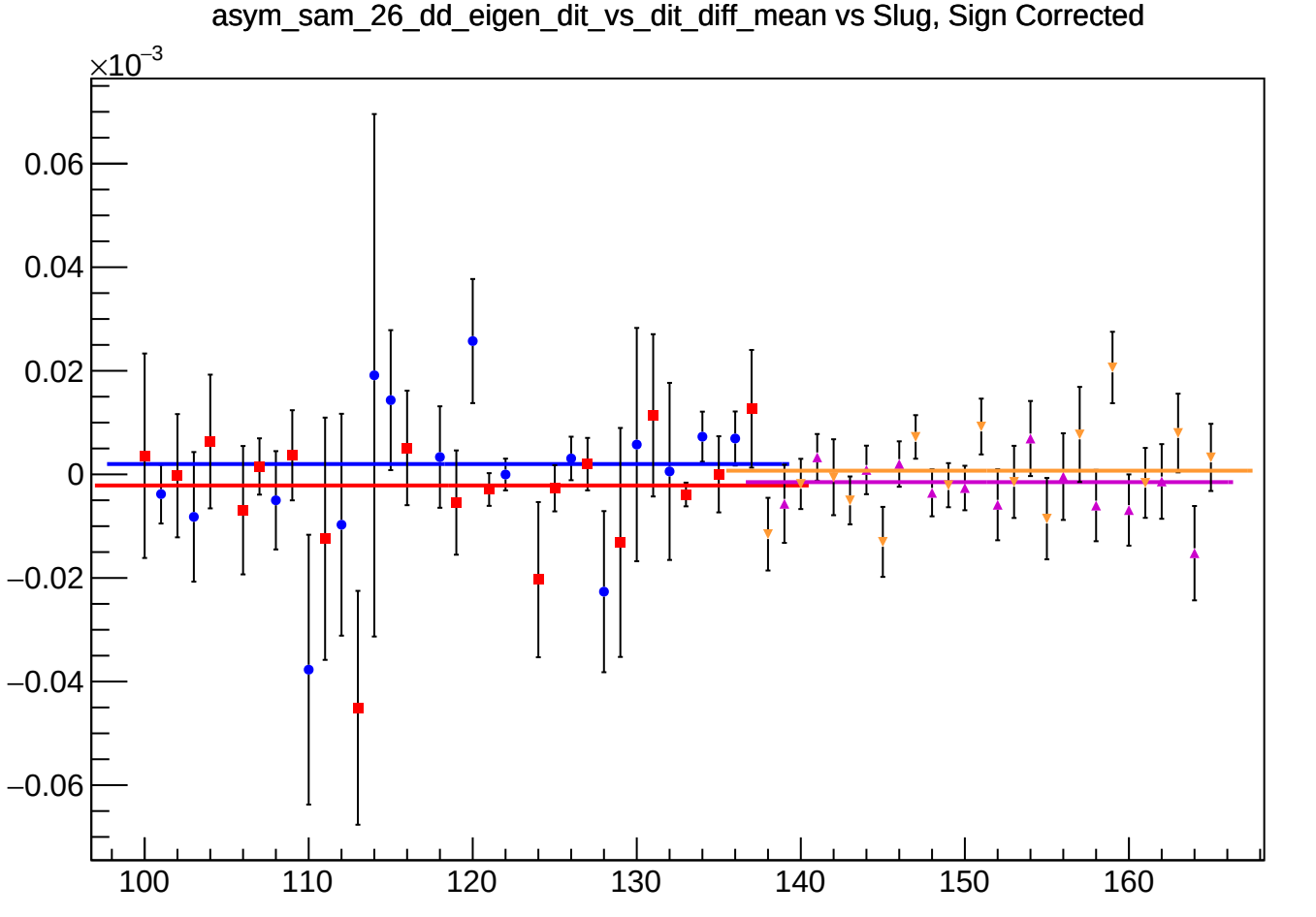
Left: 79.974+/-0.012 χ^2/NDF: 706909.2/27

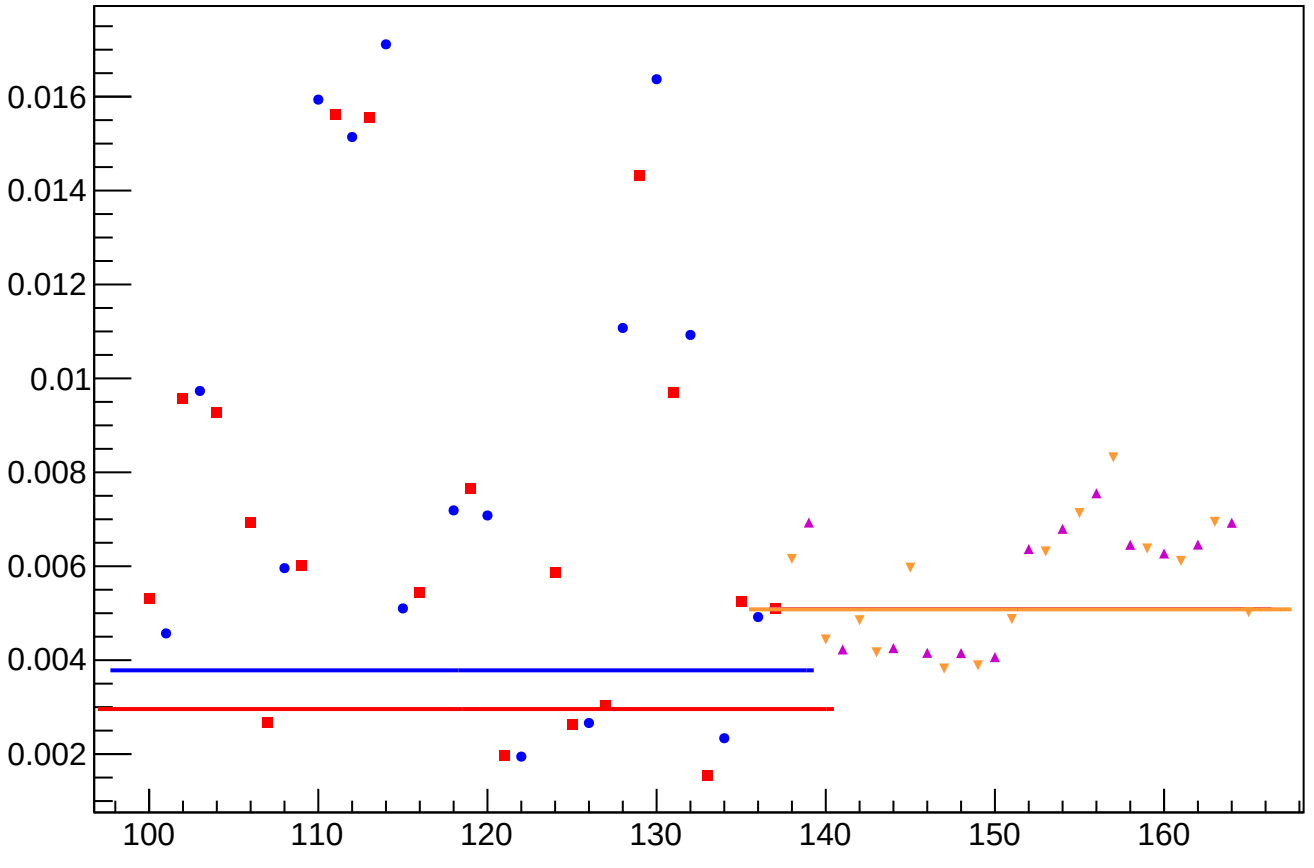
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.737+/-0.014 χ^2/NDF:1469749.1/28

Out: 81.421+/-0.013 χ^2/NDF:1346098.4/33

All: 82.048+/-0.010 χ^2/NDF: 2820431.4/62


asym_sam_26_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:26.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:7.7/12
Left: -0.000+/-0.000 χ²/NDF: 34.7/27
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:24.8/28
Out: -0.000+/-0.000 χ²/NDF:39.4/33
All: -0.000+/-0.000 χ²/NDF: 64.5/62



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1221919.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1190893.1/12

Left: 0.005+/-0.000 χ^2/NDF: 2412827.8/27

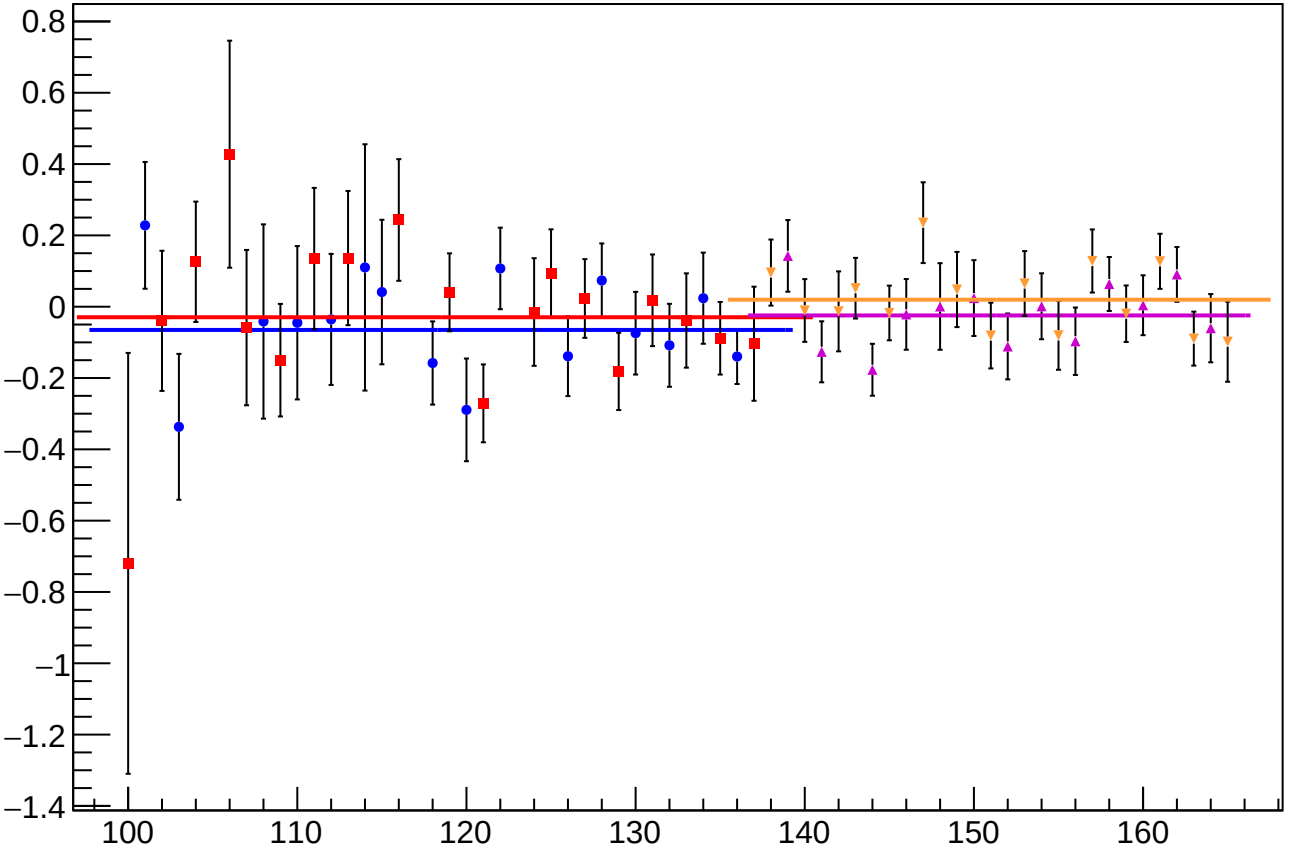
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:6496009.7/28

Out: 0.004+/-0.000 χ^2/NDF:8869098.2/33

All: 0.004+/-0.000 χ^2/NDF: 15626915.7/62

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

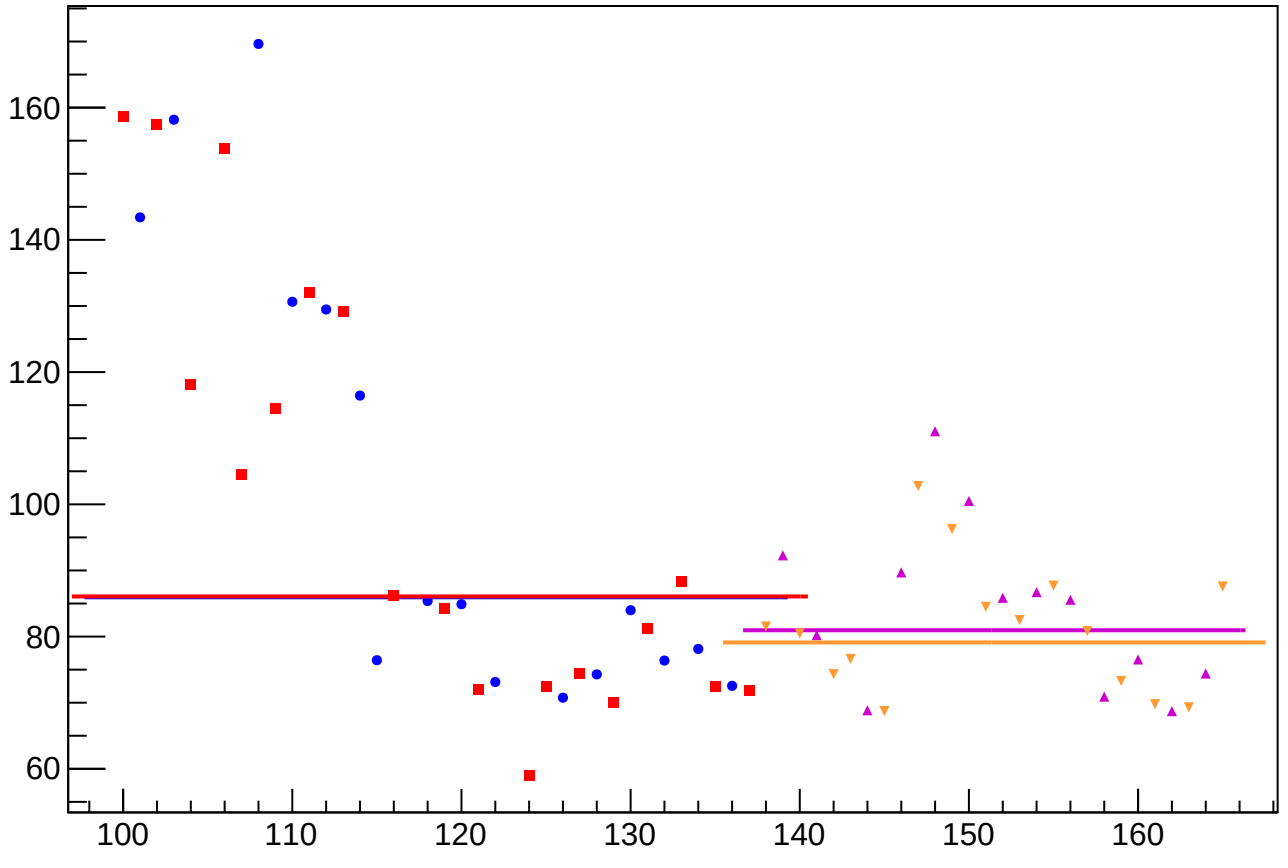
Left: -0.001+/-0.017 χ^2/NDF: 30.3/27

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.017+/-0.014 χ^2/NDF: 65.7/62



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.113+/-0.016 χ^2/NDF:295174.1/14

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

Left: 79.973+/-0.012 χ^2/NDF: 706974.2/27

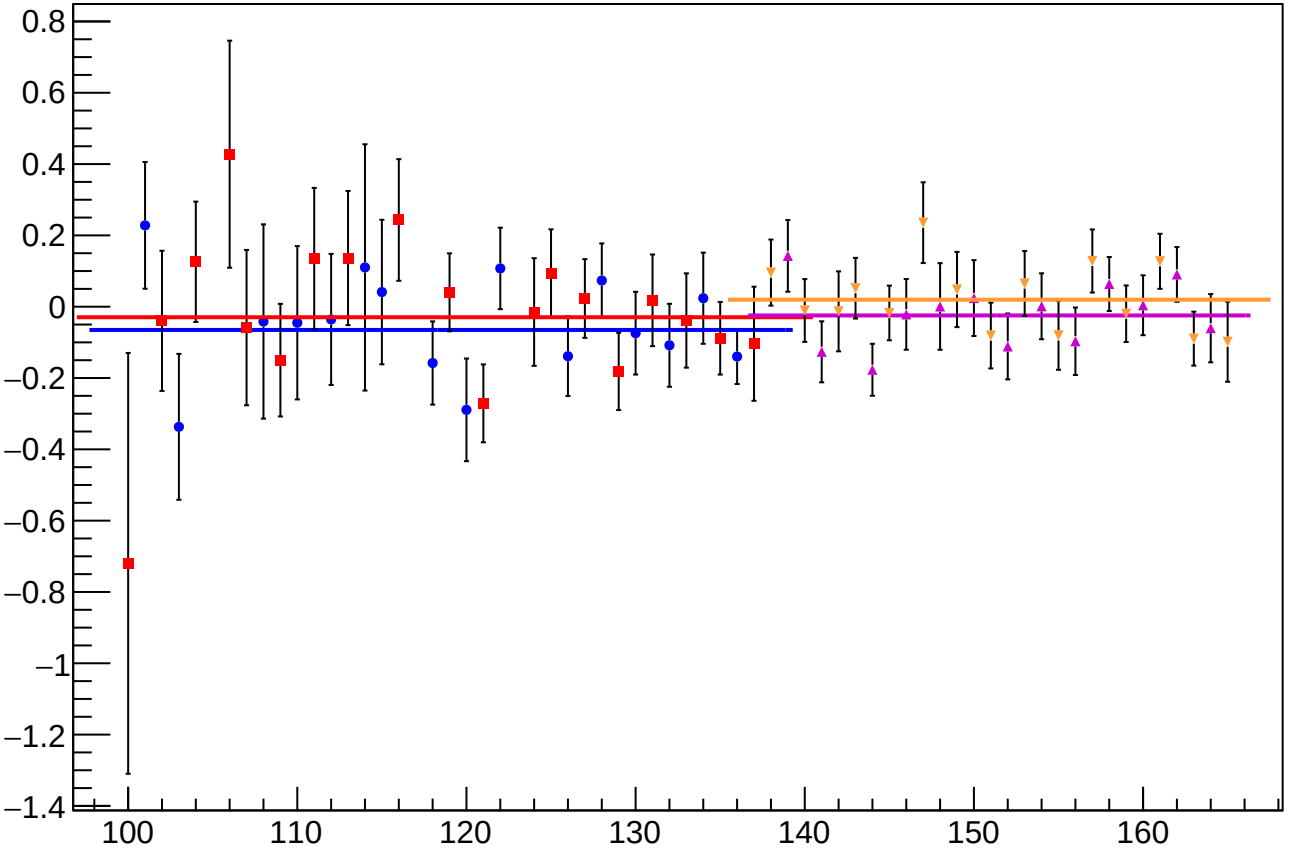
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.736+/-0.014 χ^2/NDF:1469742.2/28

Out: 81.420+/-0.013 χ^2/NDF:1346099.7/33

All: 82.047+/-0.010 χ^2/NDF: 2820423.6/62

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: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

Left: -0.001+/-0.017 χ^2/NDF: 30.3/27

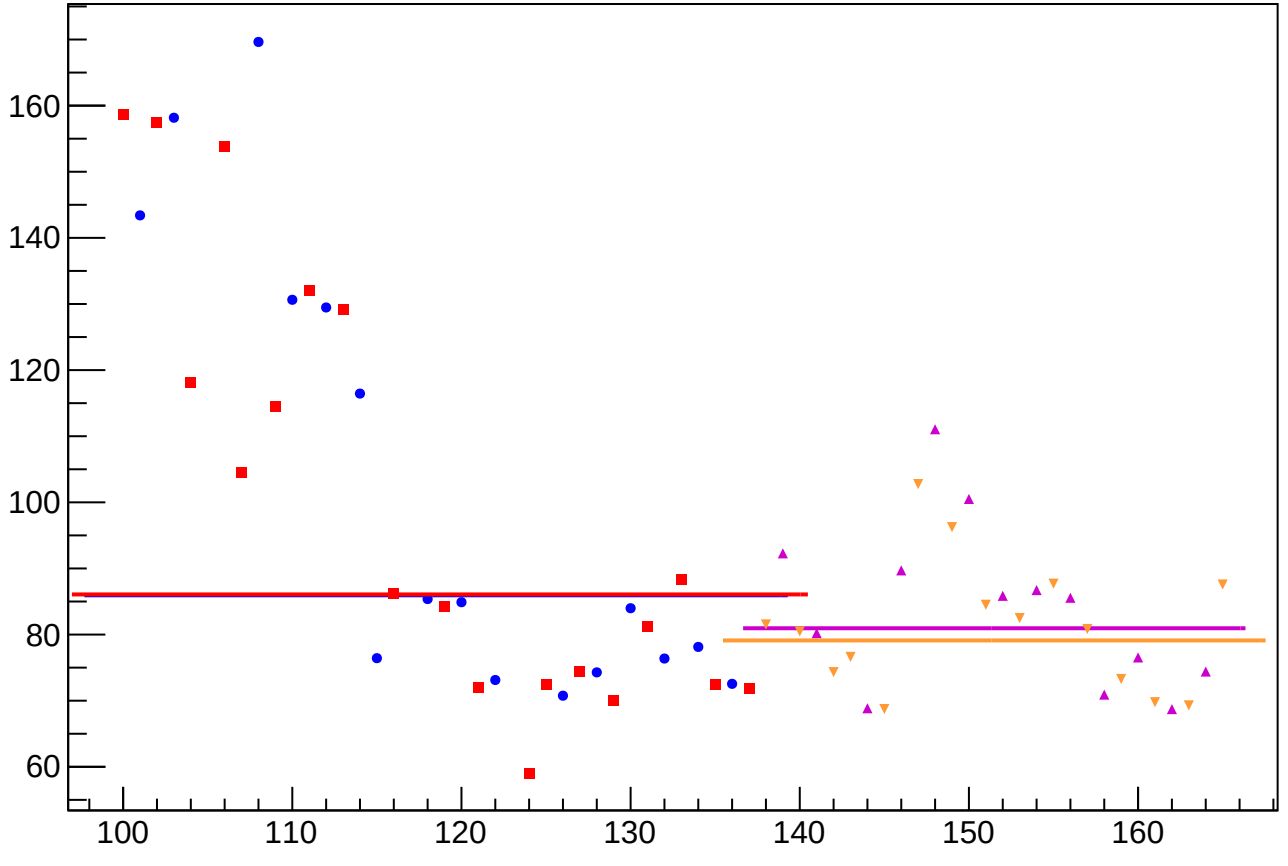
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.017+/-0.014 χ^2/NDF: 65.7/62

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: 79.113+/-0.016 χ^2/NDF:295174.1/14

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

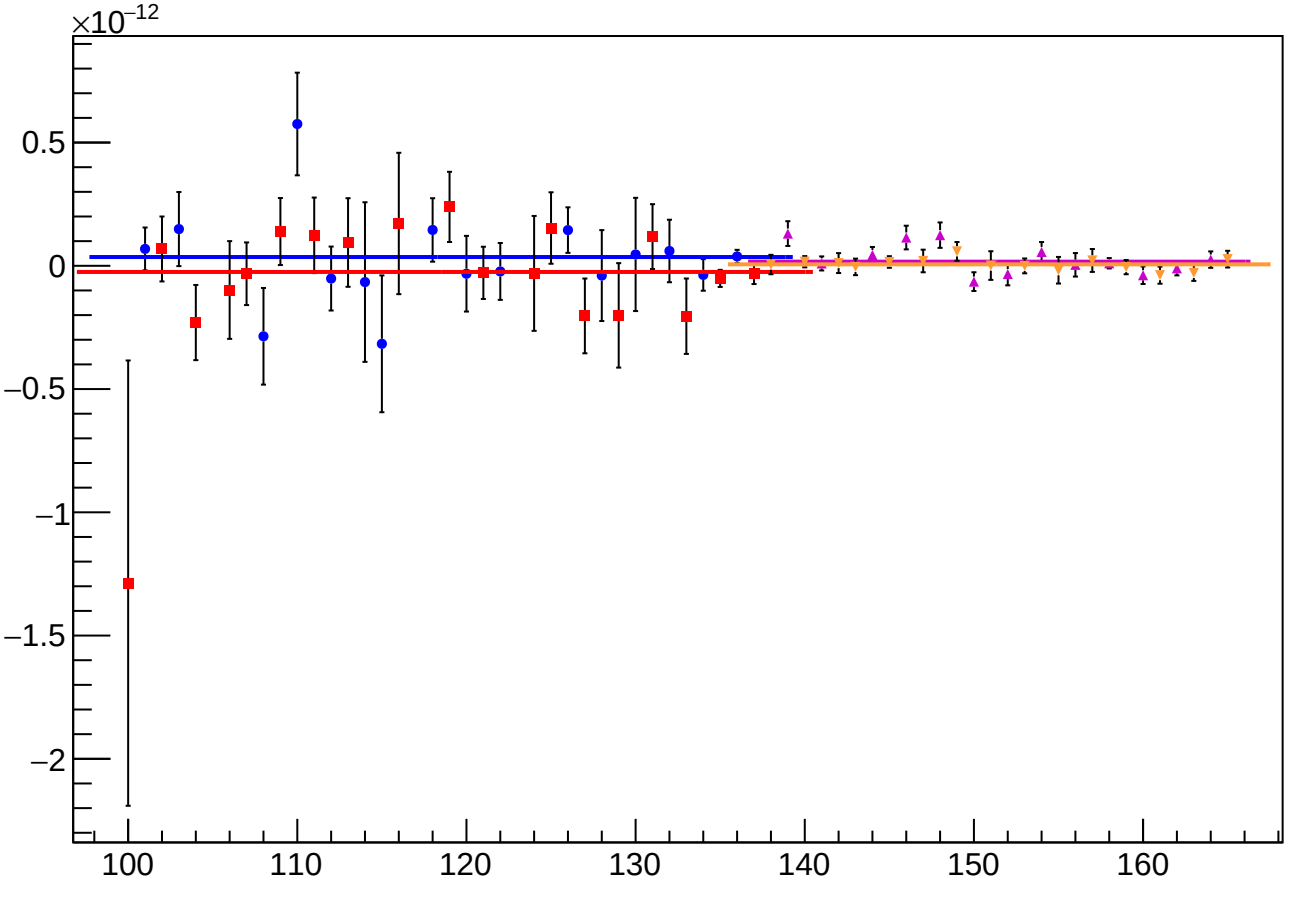
Left: 79.973+/-0.012 χ^2/NDF: 706974.2/27

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.736+/-0.014 χ^2/NDF:1469742.2/28

Out: 81.420+/-0.013 χ^2/NDF:1346099.7/33

All: 82.047+/-0.010 χ^2/NDF: 2820423.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/12

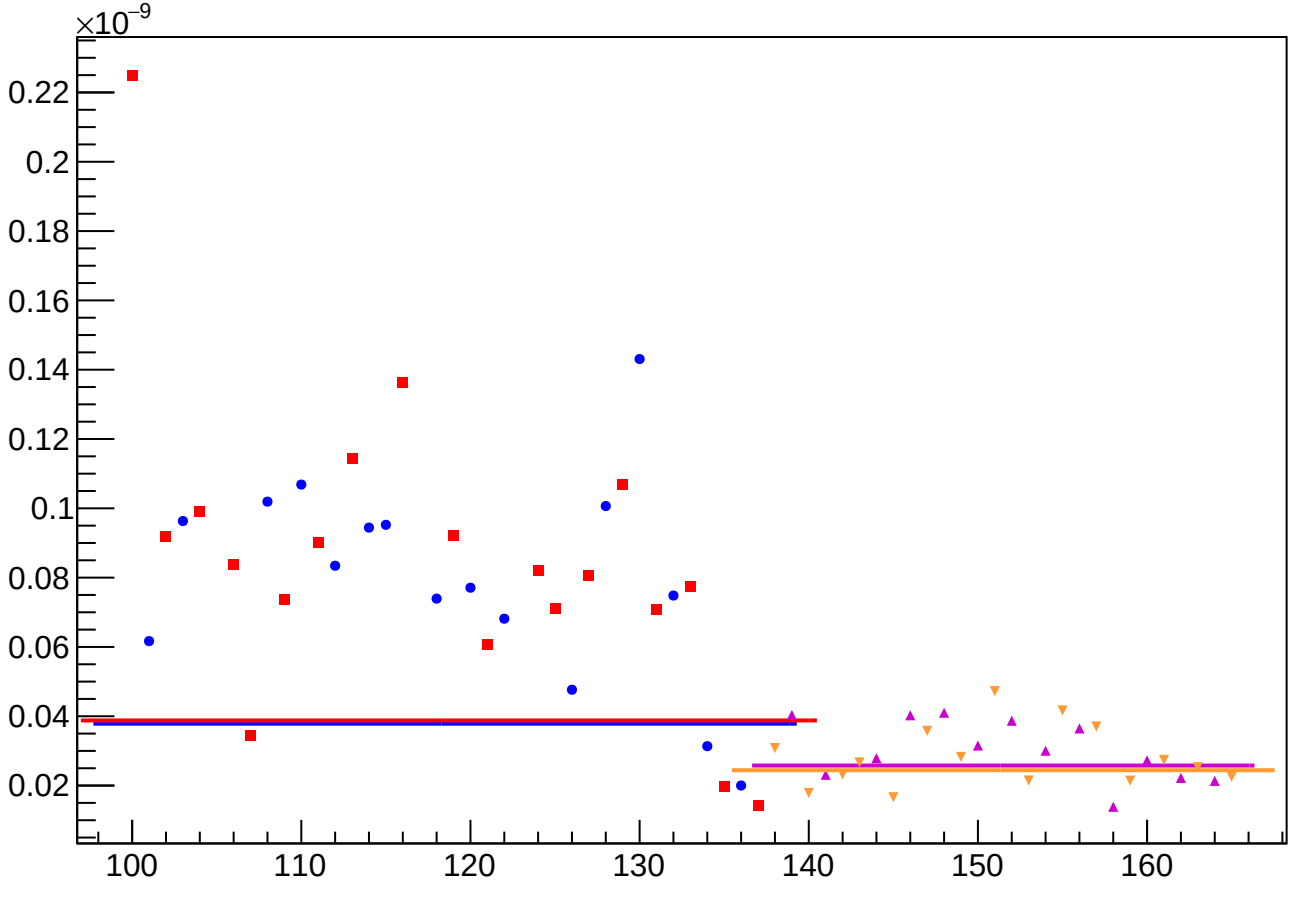
Left: 0.000+/-0.000 χ^2/NDF: 31.5/27

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:41.7/28

Out: 0.000+/-0.000 χ^2/NDF:25.7/33

All: 0.000+/-0.000 χ^2/NDF: 69.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1316198.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1590733.6/12

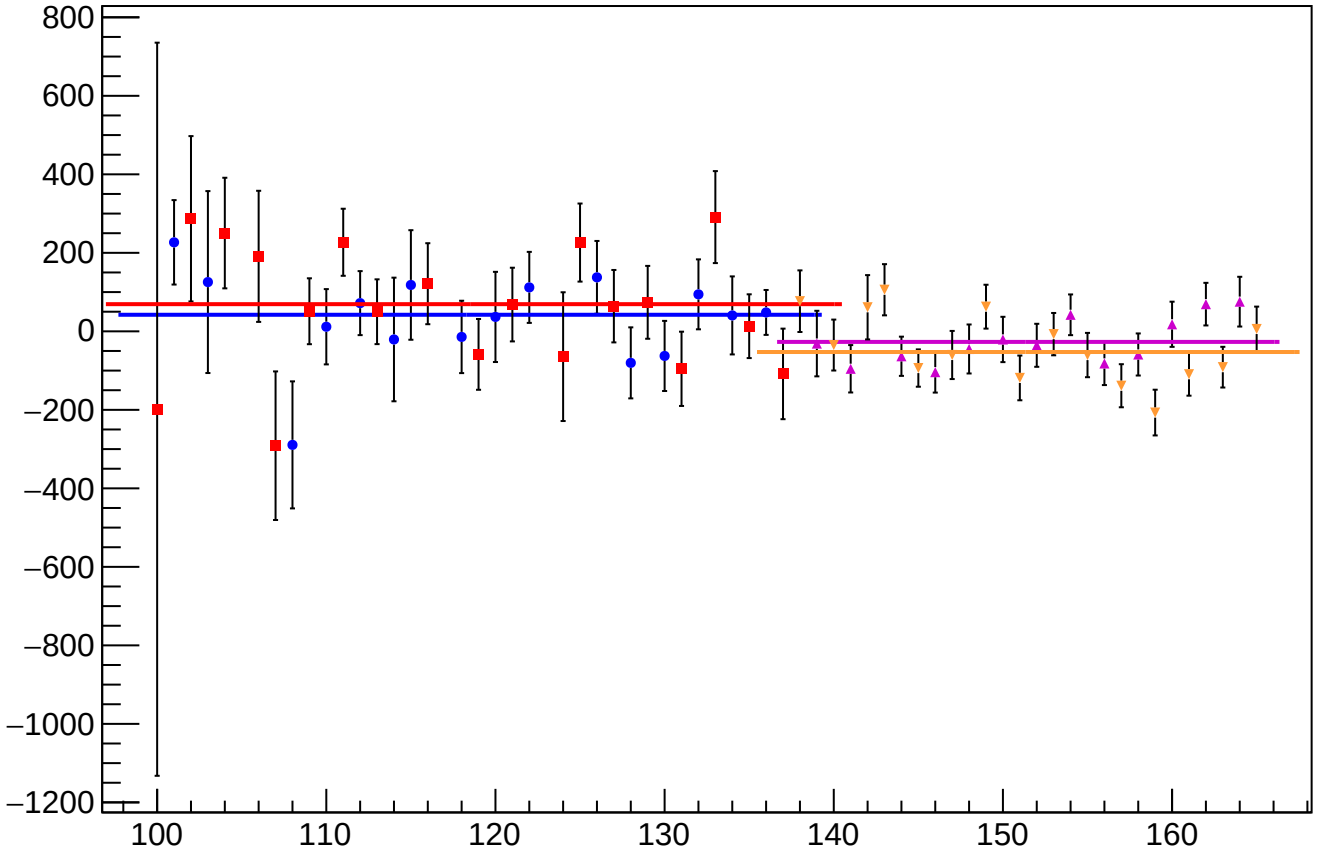
Left: 0.000+/-0.000 χ^2/NDF: 2928336.5/27

Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:5610751.5/28

Out: 0.000+/-0.000 χ^2/NDF:6163452.5/33

All: 0.000+/-0.000 χ^2/NDF: 11809284.6/62



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.654+/-15.041 χ^2/NDF:29.9/14

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -26.902+/-15.777 χ^2/NDF:13.6/12

Left: -40.392+/-10.886 χ^2/NDF: 44.9/27

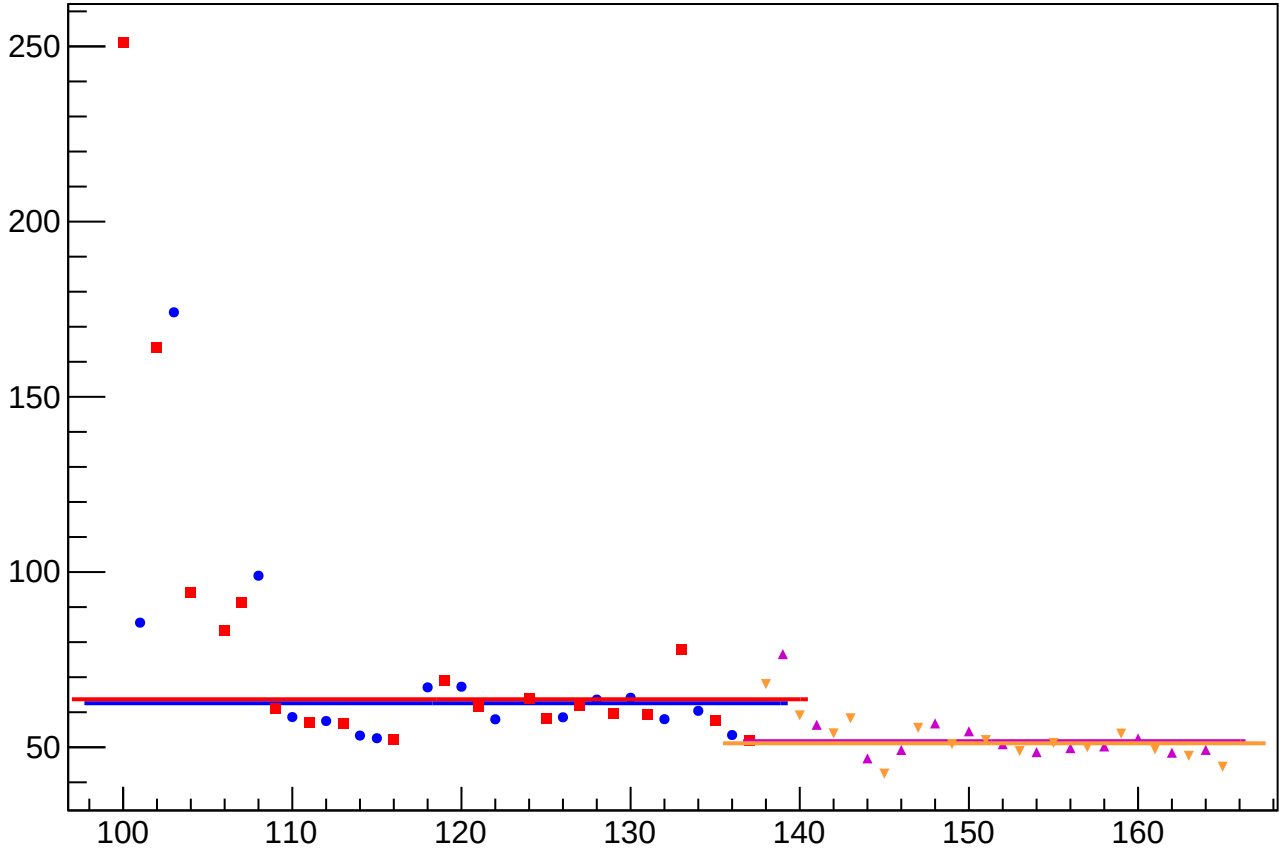
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -6.294+/-13.217 χ^2/NDF:32.9/28

Out: -19.122+/-12.807 χ^2/NDF:73.3/33

All: -12.911+/-9.197 χ^2/NDF: 106.7/62

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

Left: 51.423+/-0.008 χ^2/NDF: 529351.9/27

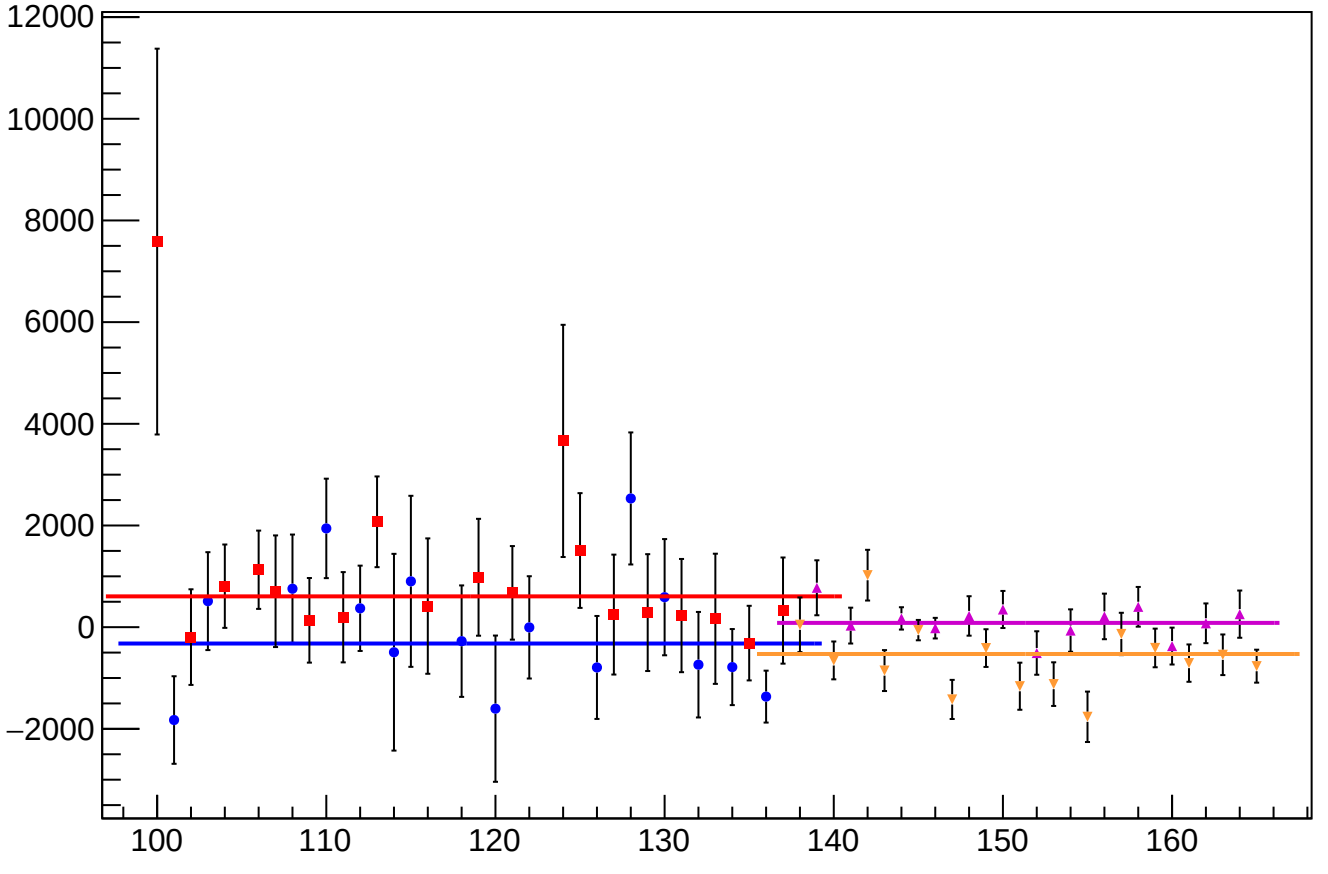
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 54.964+/-0.009 χ^2/NDF:1293451.9/28

Out: 54.594+/-0.009 χ^2/NDF:1491785.0/33

All: 54.773+/-0.007 χ^2/NDF: 2786046.6/62

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -527.565+/-95.410 χ^2/NDF:34.3/14

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 84.257+/-94.385 χ^2/NDF:7.2/12

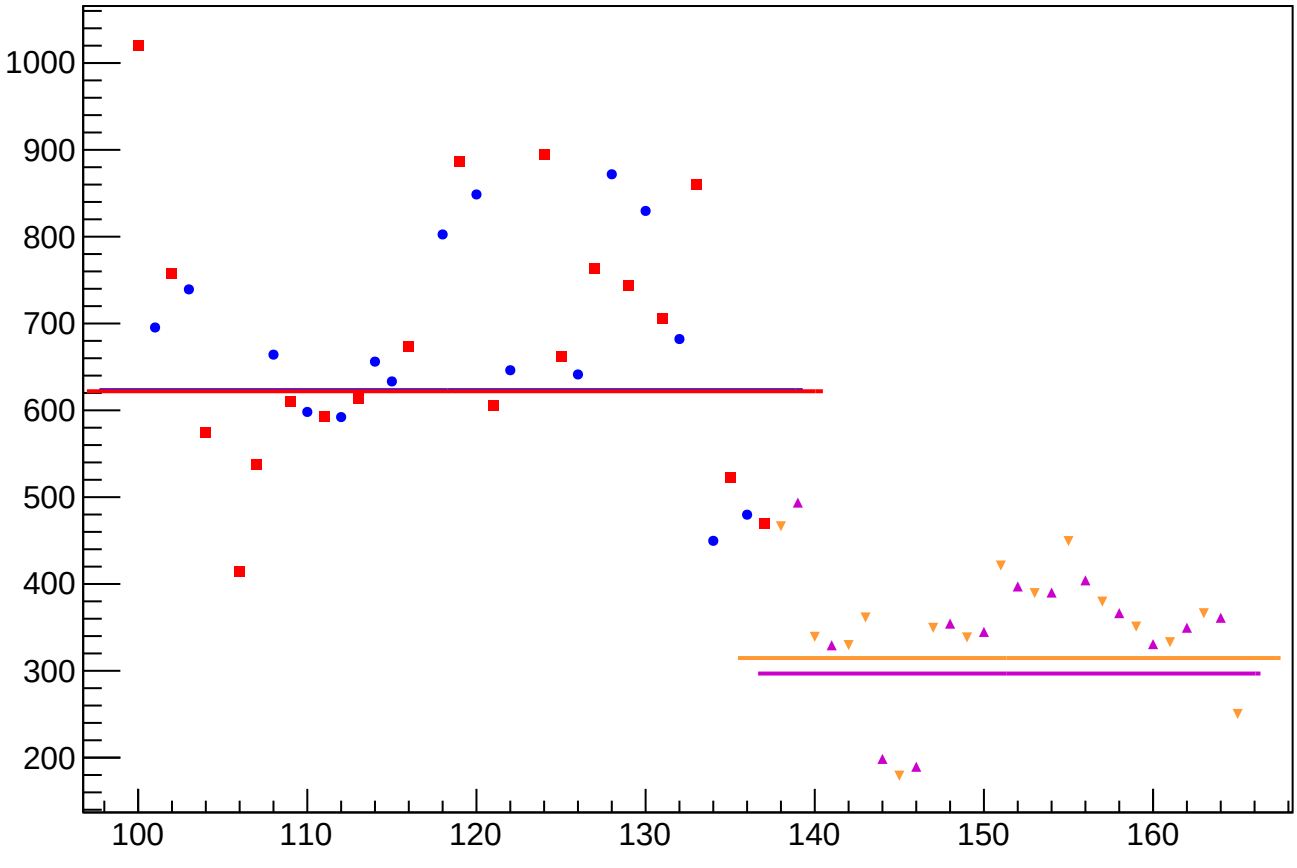
Left: -218.350+/-67.100 χ^2/NDF: 62.3/27

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 29.286+/-87.762 χ^2/NDF:32.4/28

Out: -365.573+/-88.329 χ^2/NDF:67.0/33

All: -166.871+/-62.256 χ^2/NDF: 109.5/62



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634020.5/14

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 296.858+/-0.067 χ^2/NDF:1803127.2/12

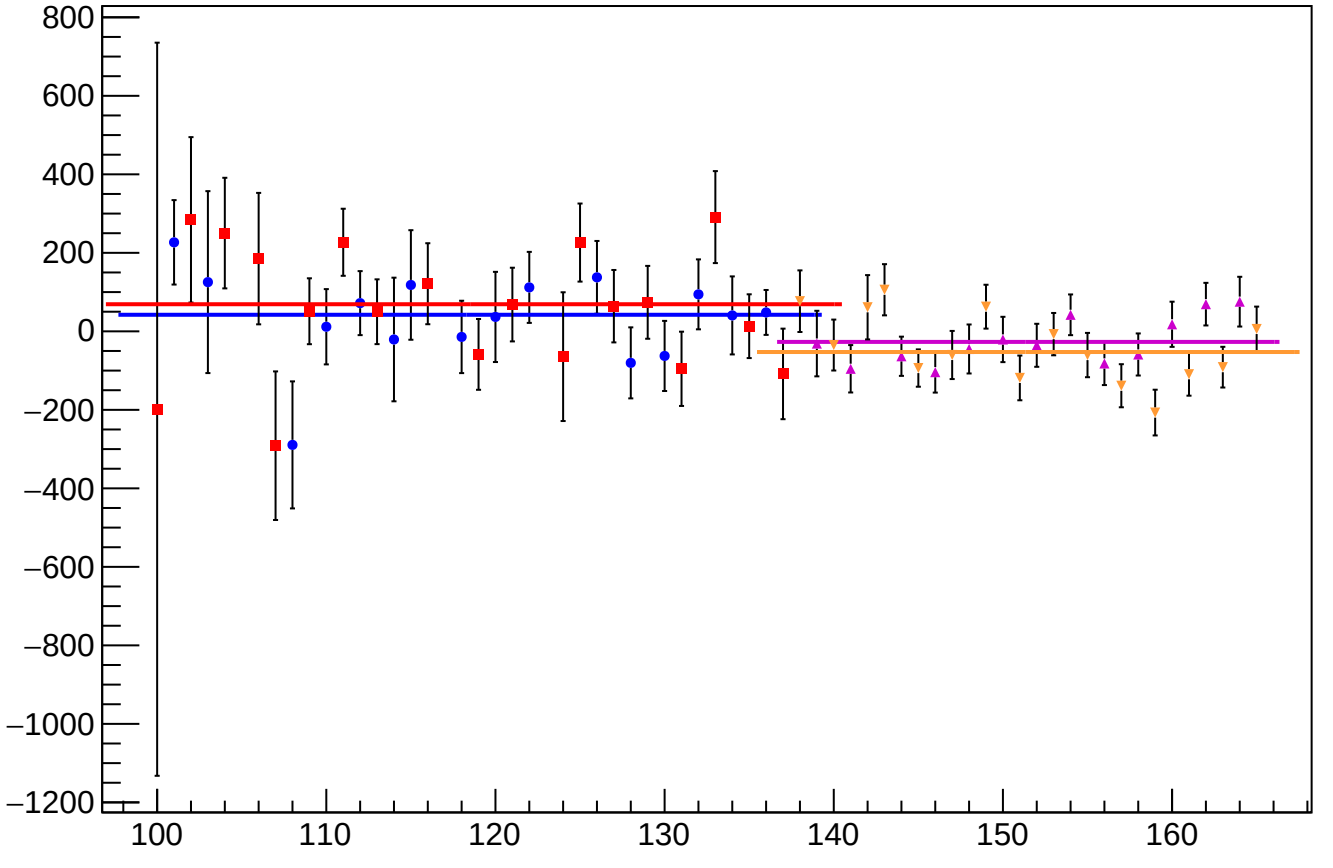
Left: 305.696+/-0.047 χ^2/NDF: 3472602.2/27

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 341.050+/-0.062 χ^2/NDF:5606198.4/28

Out: 358.640+/-0.062 χ^2/NDF:5180910.7/33

All: 349.788+/-0.044 χ^2/NDF: 10827019.8/62



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.651+/-15.041 χ^2/NDF:29.9/14

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.901+/-15.777 χ^2/NDF:13.6/12

Left: -40.390+/-10.886 χ^2/NDF: 44.9/27

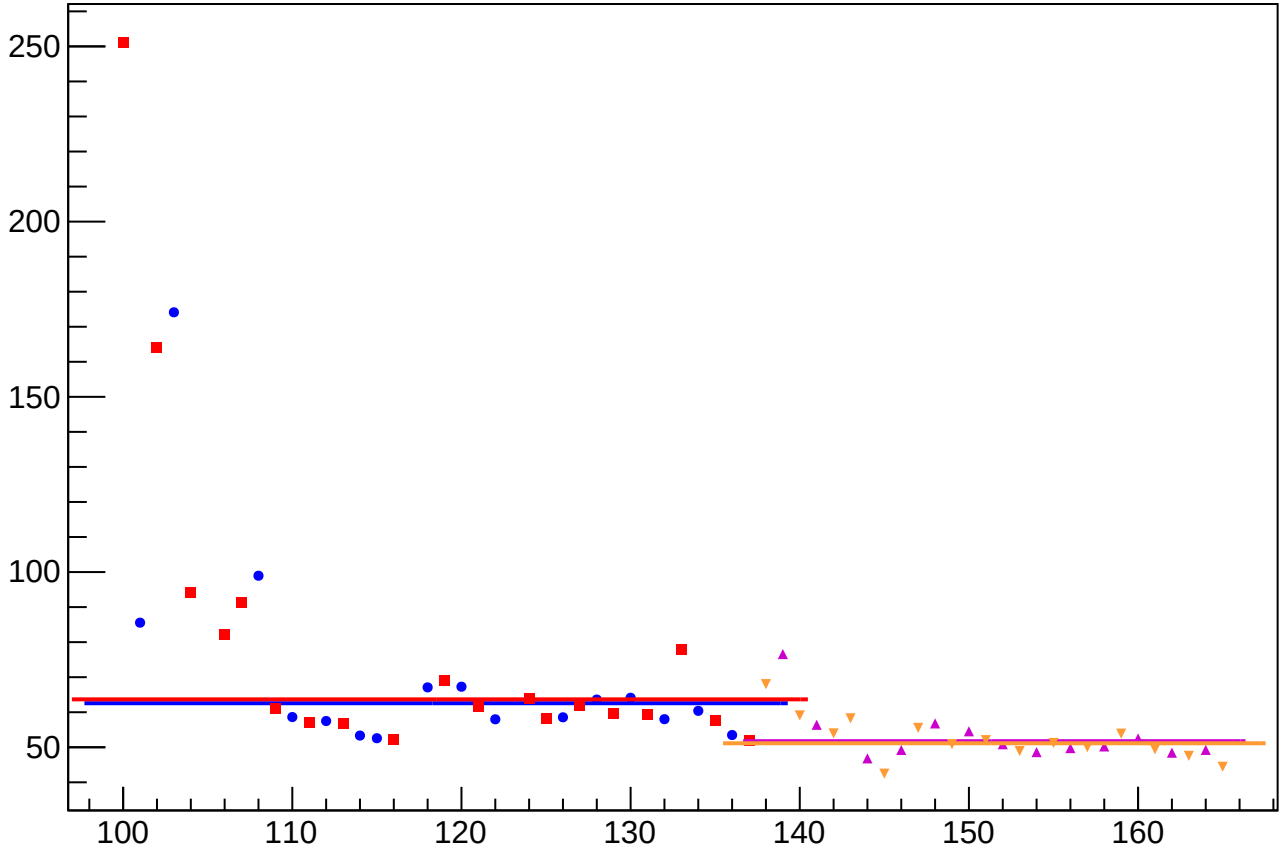
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -6.296+/-13.217 χ^2/NDF:32.9/28

Out: -19.173+/-12.807 χ^2/NDF:73.2/33

All: -12.938+/-9.197 χ^2/NDF: 106.6/62

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

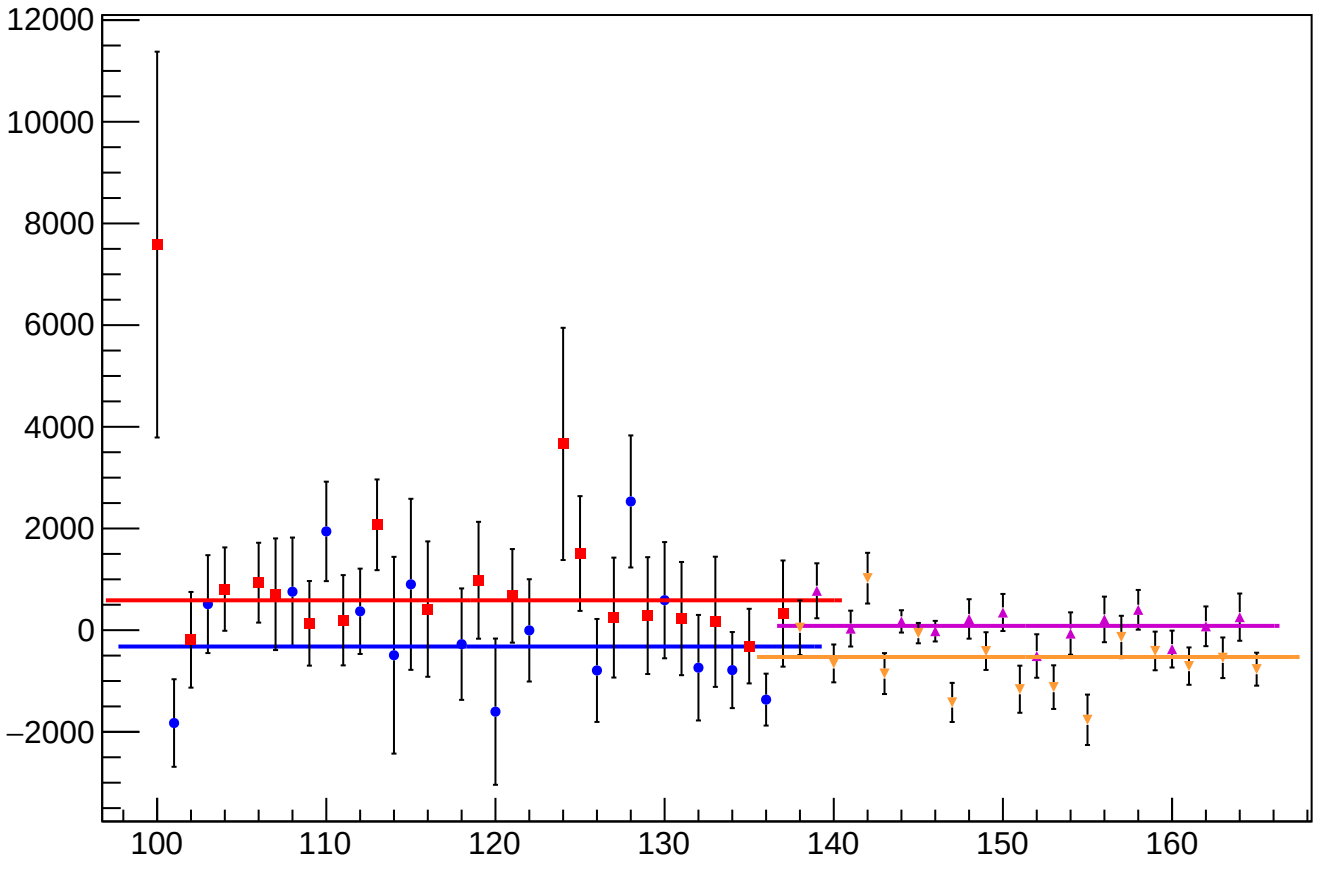
Left: 51.423+/-0.008 χ^2/NDF: 529351.9/27

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.964+/-0.009 χ^2/NDF:1293453.9/28

Out: 54.587+/-0.009 χ^2/NDF:1487530.5/33

All: 54.770+/-0.007 χ^2/NDF: 2781824.7/62



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -527.561+/-95.410 χ^2/NDF:34.3/14

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 84.261+/-94.385 χ^2/NDF:7.2/12

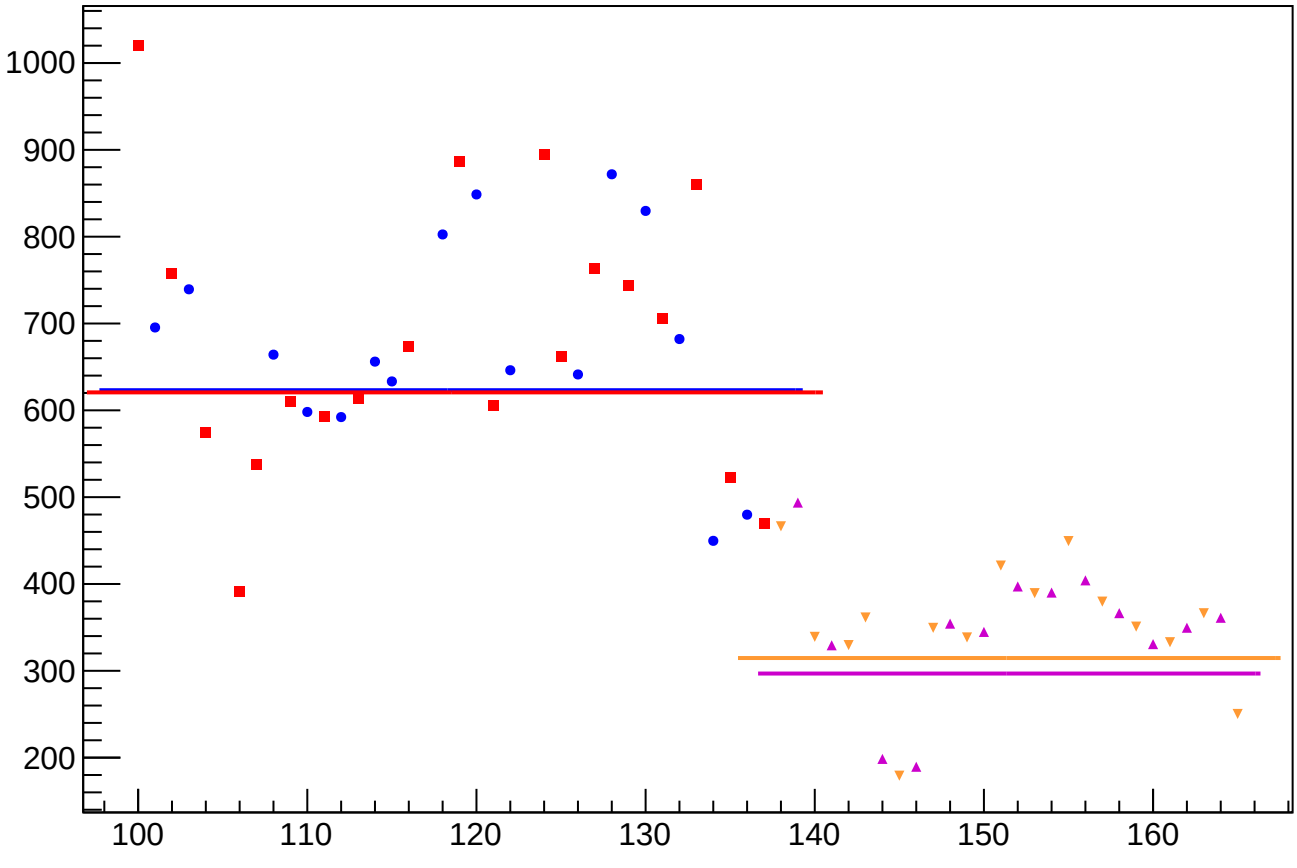
Left: -218.346+/-67.100 χ^2/NDF: 62.3/27

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 29.290+/-87.762 χ^2/NDF:32.4/28

Out: -368.743+/-88.352 χ^2/NDF:66.0/33

All: -168.391+/-62.265 χ^2/NDF: 108.6/62



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634027.7/14

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

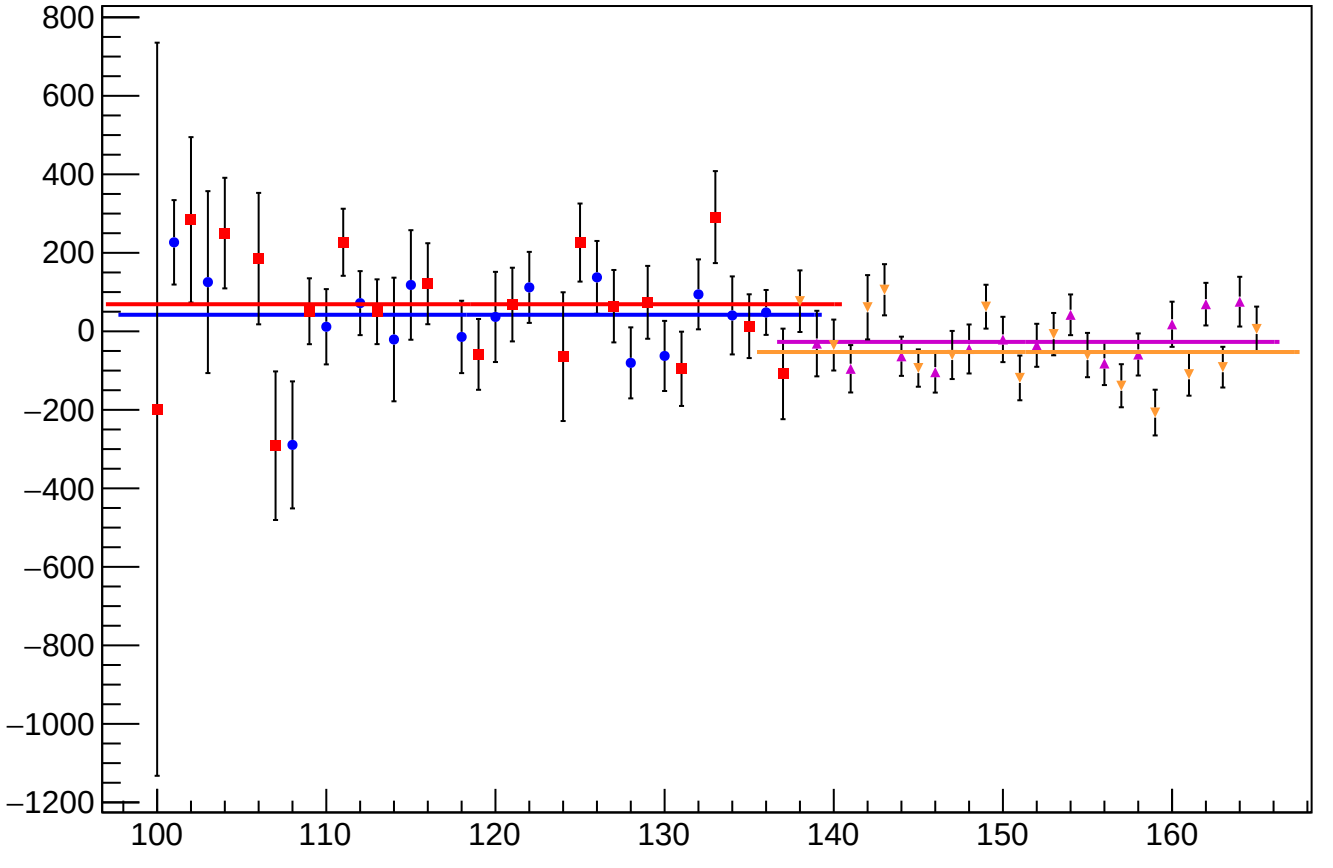
Left: 305.696+/-0.047 χ^2/NDF: 3472615.6/27

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 341.050+/-0.062 χ^2/NDF:5606265.5/28

Out: 358.313+/-0.062 χ^2/NDF:5174389.7/33

All: 349.624+/-0.044 χ^2/NDF: 10819091.0/62



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.651+/-15.041 χ^2/NDF:29.9/14

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.901+/-15.777 χ^2/NDF:13.6/12

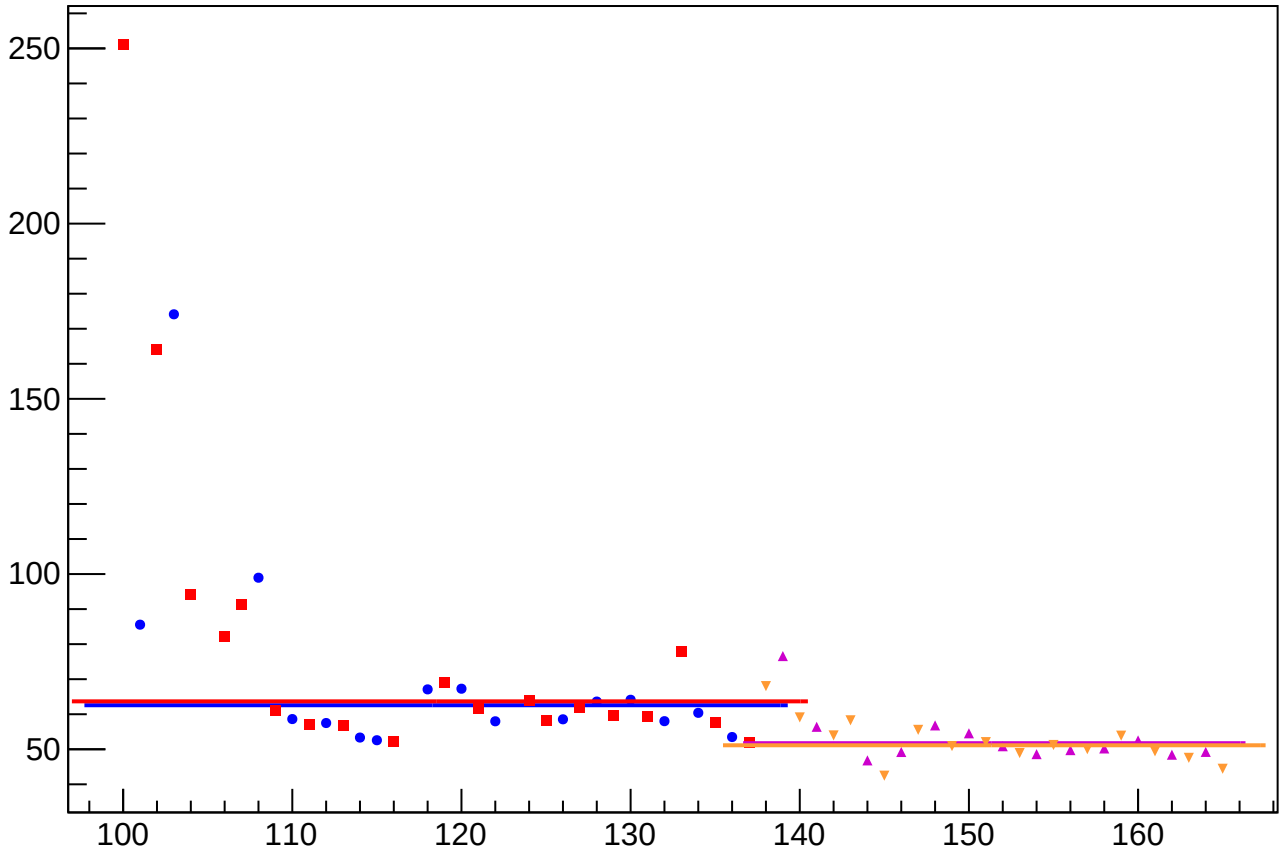
Left: -40.390+/-10.886 χ^2/NDF: 44.9/27

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -6.296+/-13.217 χ^2/NDF:32.9/28

Out: -19.173+/-12.807 χ^2/NDF:73.2/33

All: -12.938+/-9.197 χ^2/NDF: 106.6/62



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

Left: 51.423+/-0.008 χ^2/NDF: 529351.9/27

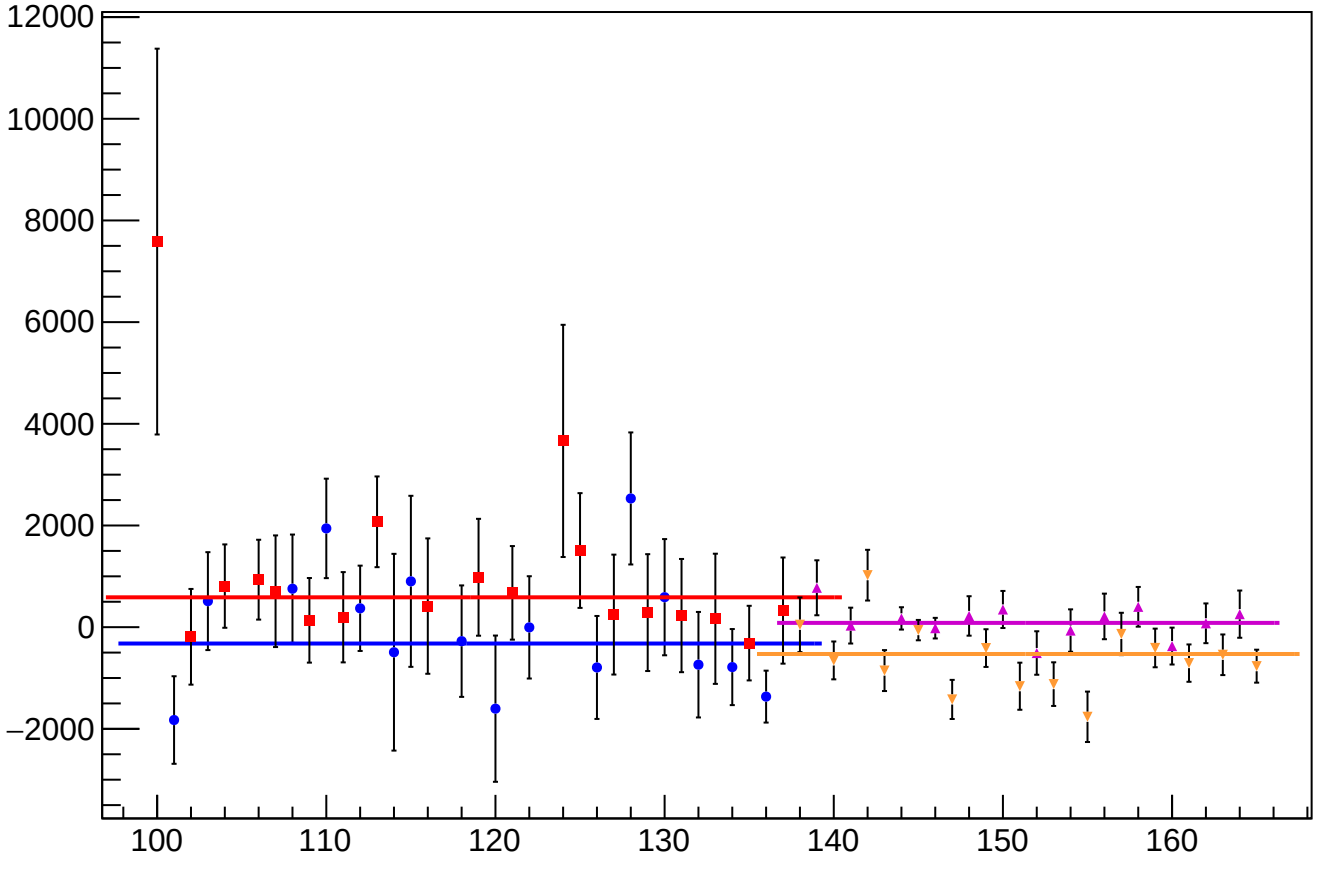
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.964+/-0.009 χ^2/NDF:1293453.9/28

Out: 54.587+/-0.009 χ^2/NDF:1487530.5/33

All: 54.770+/-0.007 χ^2/NDF: 2781824.7/62

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: -527.561+/-95.410 χ^2/NDF:34.3/14

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 84.261+/-94.385 χ^2/NDF:7.2/12

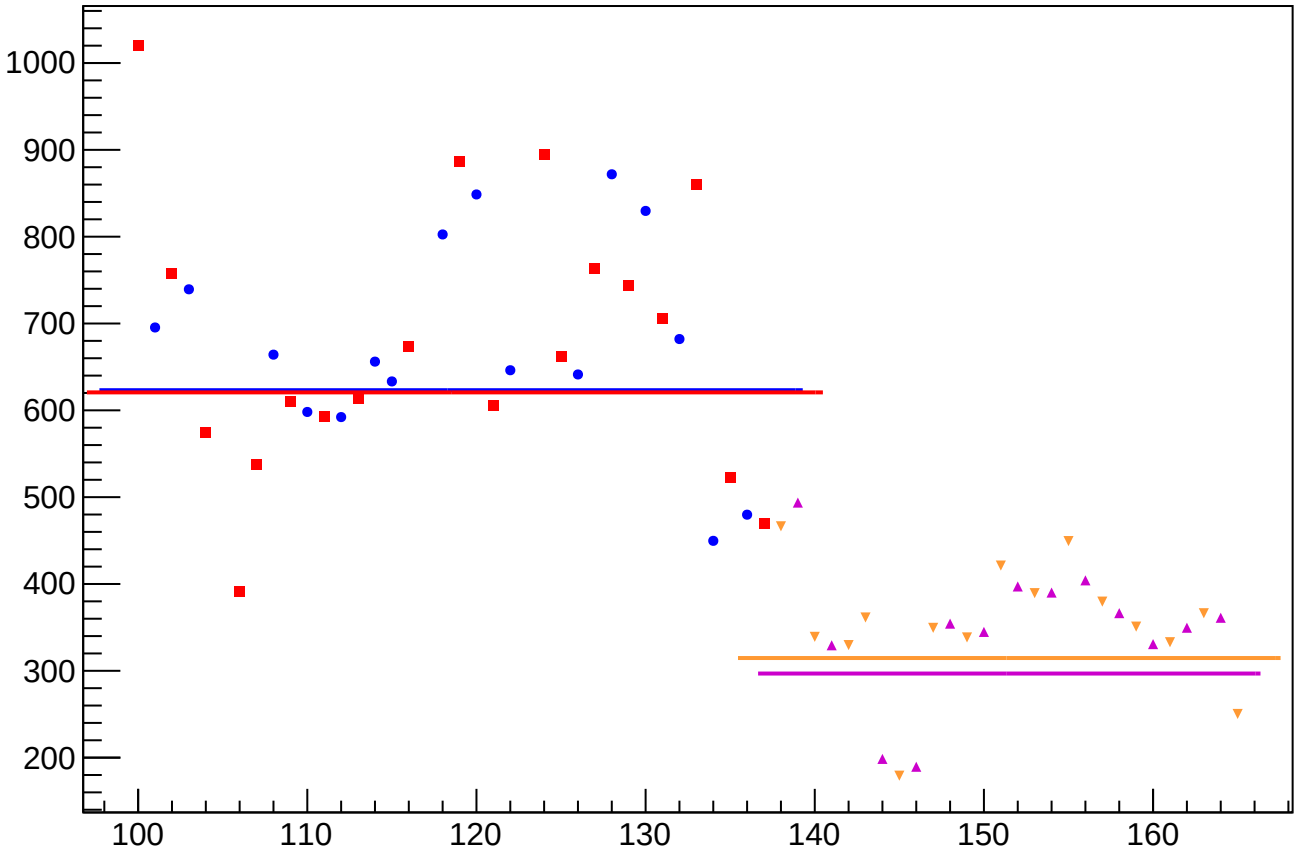
Left: -218.346+/-67.100 χ^2/NDF: 62.3/27

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 29.290+/-87.762 χ^2/NDF:32.4/28

Out: -368.743+/-88.352 χ^2/NDF:66.0/33

All: -168.391+/-62.265 χ^2/NDF: 108.6/62



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634027.7/14

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

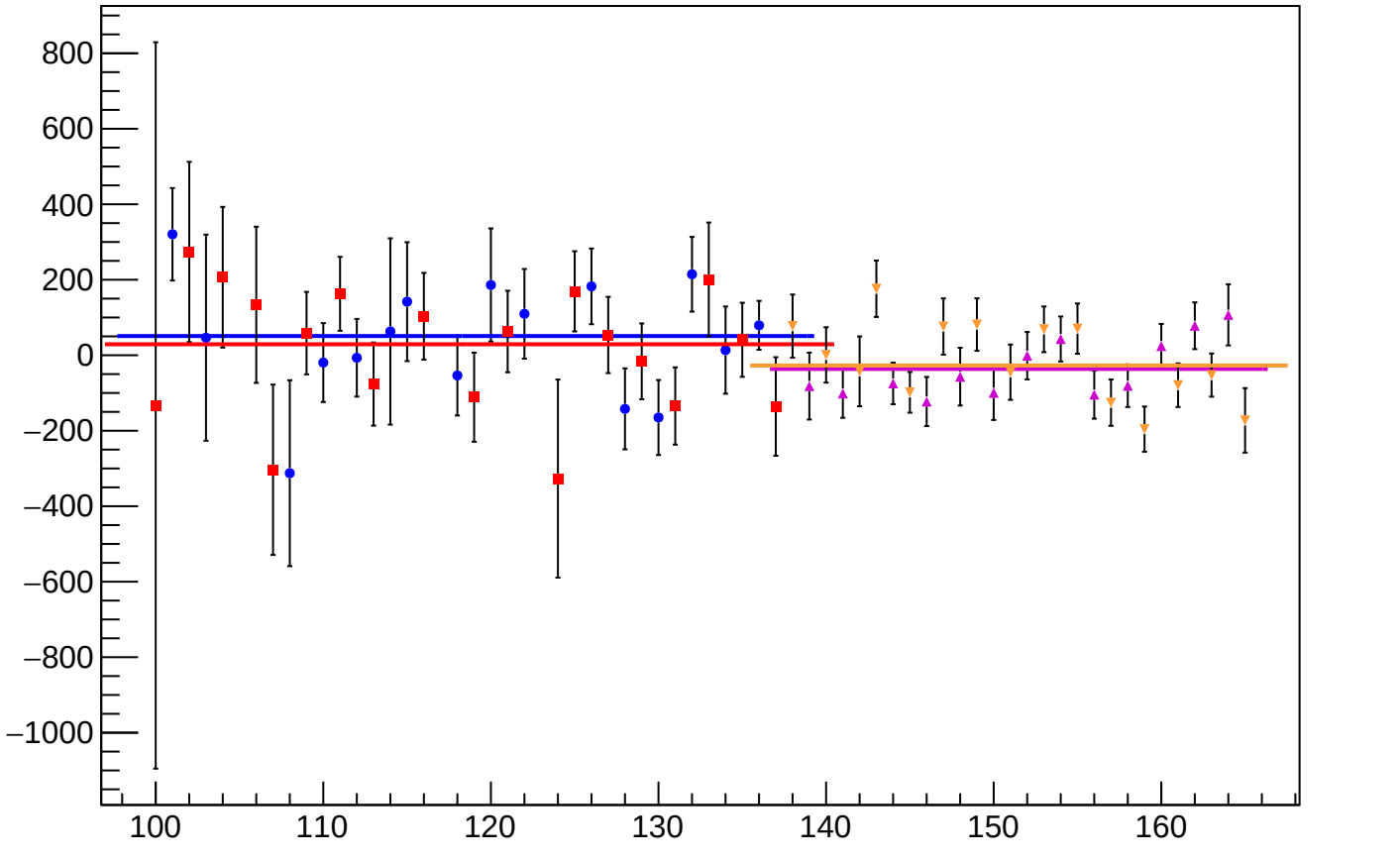
Left: 305.696+/-0.047 χ^2/NDF: 3472615.6/27

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 341.050+/-0.062 χ^2/NDF:5606265.5/28

Out: 358.313+/-0.062 χ^2/NDF:5174389.7/33

All: 349.624+/-0.044 χ^2/NDF: 10819091.0/62



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -27.242+/-17.330 χ^2/NDF:34.4/14

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.361+/-17.975 χ^2/NDF:15.8/12

Left: -31.635+/-12.476 χ^2/NDF: 50.3/27

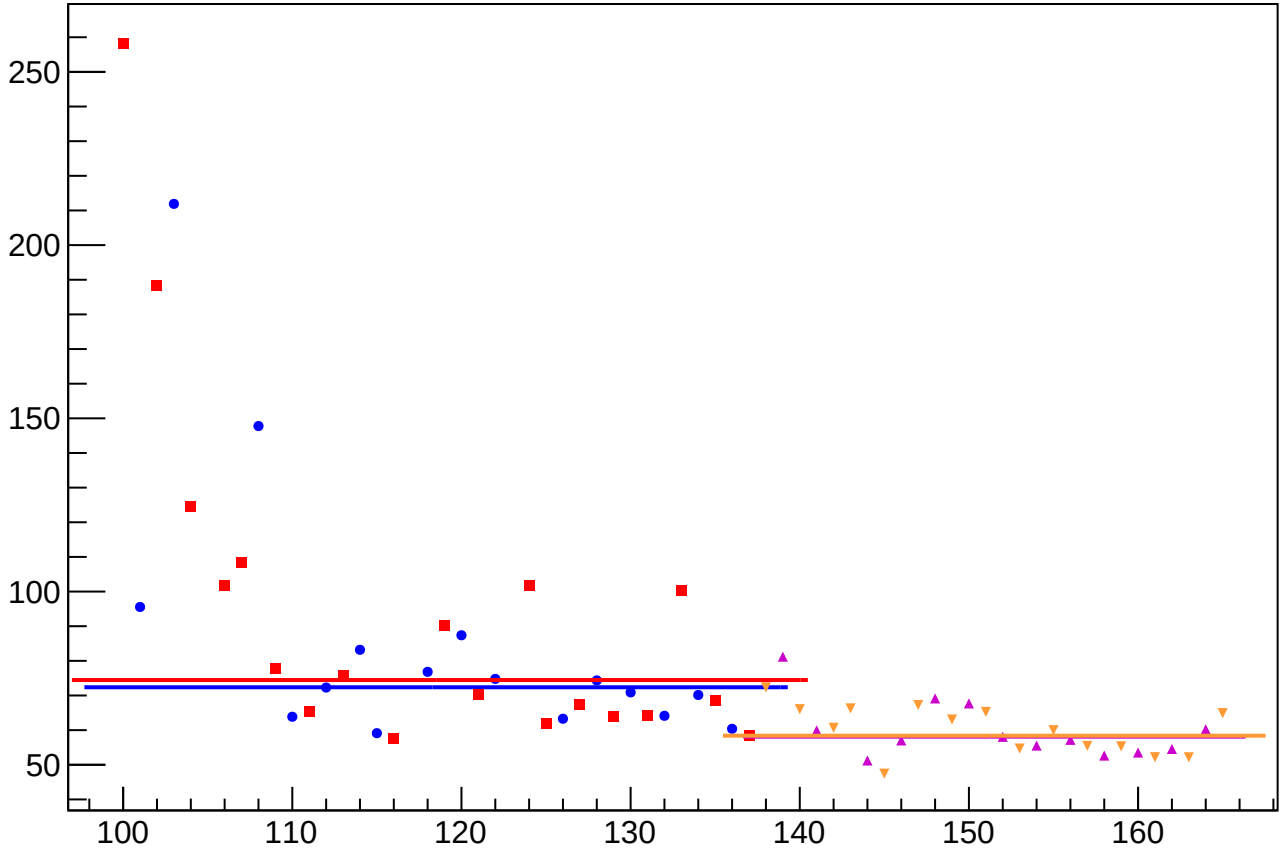
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -11.315+/-15.175 χ^2/NDF:45.4/28

Out: -12.364+/-14.864 χ^2/NDF:55.7/33

All: -11.851+/-10.619 χ^2/NDF: 101.1/62

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.399+/-0.012 χ^2/NDF:315831.1/14

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.115+/-0.013 χ^2/NDF:289370.5/12

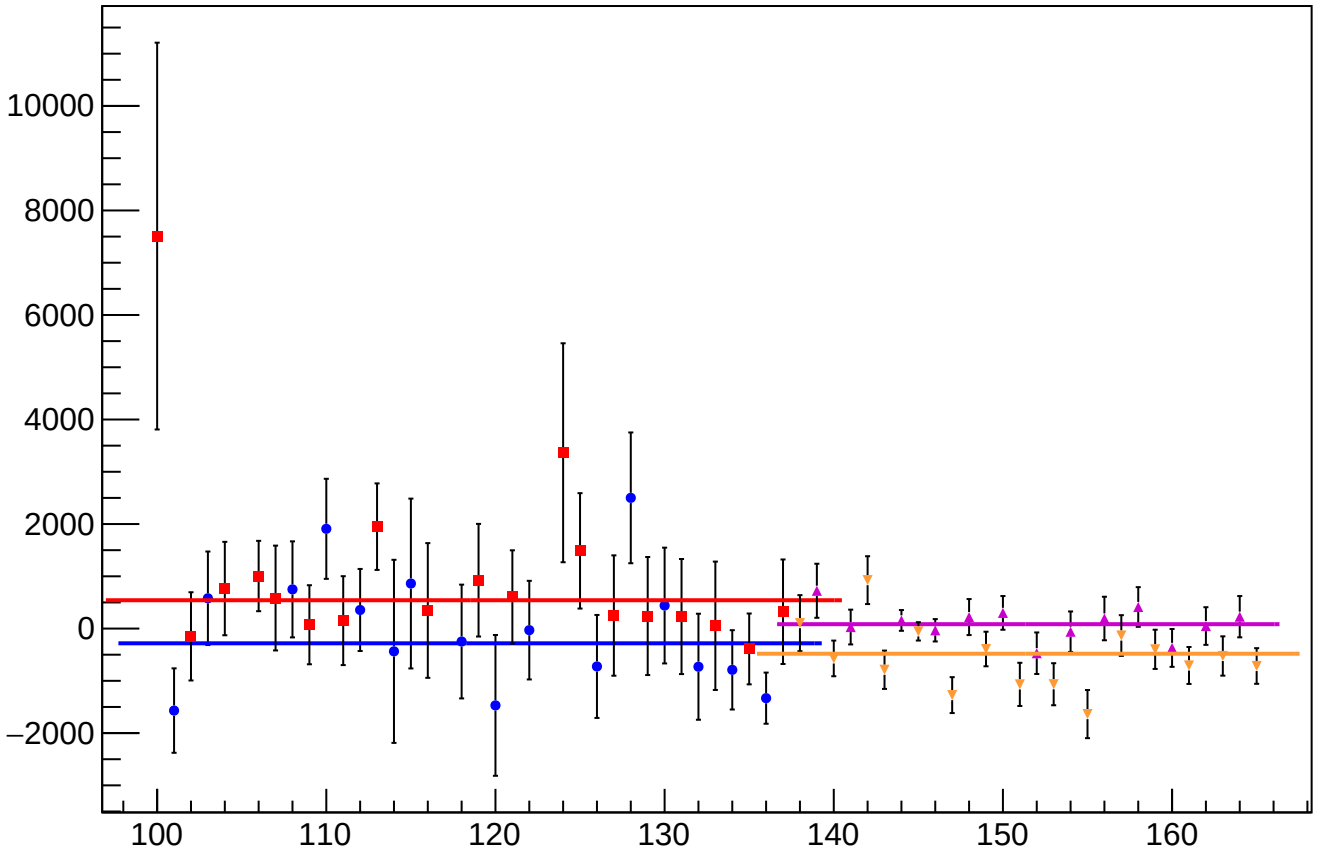
Left: 58.262+/-0.009 χ^2/NDF: 605460.1/27

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 62.212+/-0.011 χ^2/NDF:1589222.4/28

Out: 62.646+/-0.011 χ^2/NDF:1822430.9/33

All: 62.433+/-0.008 χ^2/NDF: 3412488.4/62



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -481.453+/-88.205 χ^2/NDF:34.9/14

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 83.940+/-89.287 χ^2/NDF:7.2/12

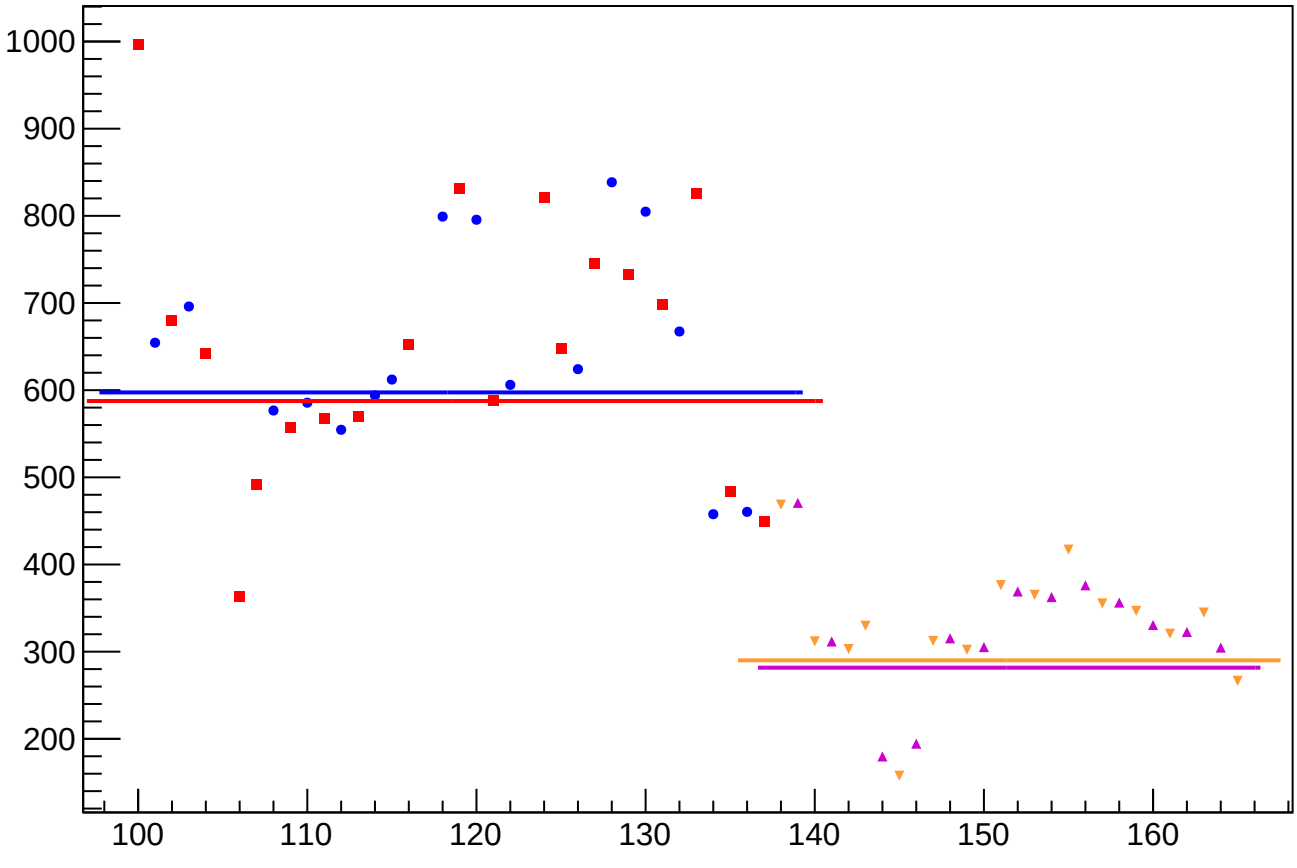
Left: -202.204+/-62.750 χ^2/NDF: 62.4/27

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 35.198+/-83.129 χ^2/NDF:32.3/28

Out: -340.714+/-81.916 χ^2/NDF:66.7/33

All: -155.520+/-58.348 χ^2/NDF: 109.3/62



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 290.044+/-0.062 χ^2/NDF:1882491.4/14

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 281.626+/-0.063 χ^2/NDF:1605120.0/12

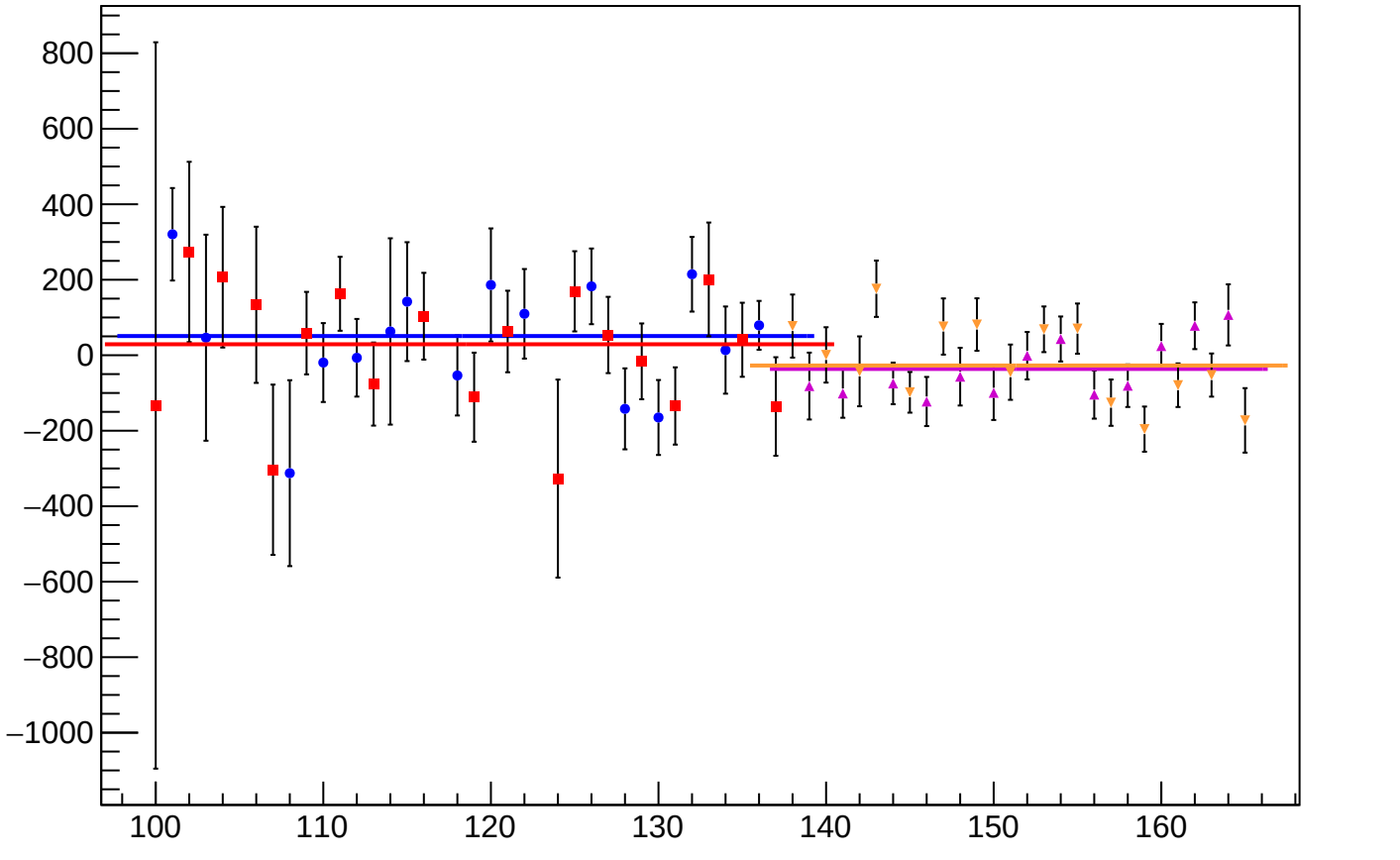
Left: 285.887+/-0.044 χ^2/NDF: 3496608.6/27

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 323.686+/-0.059 χ^2/NDF:5471245.9/28

Out: 330.956+/-0.058 χ^2/NDF:5700564.5/33

All: 327.375+/-0.041 χ^2/NDF: 11179571.0/62



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -27.242+/-17.330 χ^2/NDF:34.4/14

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.361+/-17.975 χ^2/NDF:15.8/12

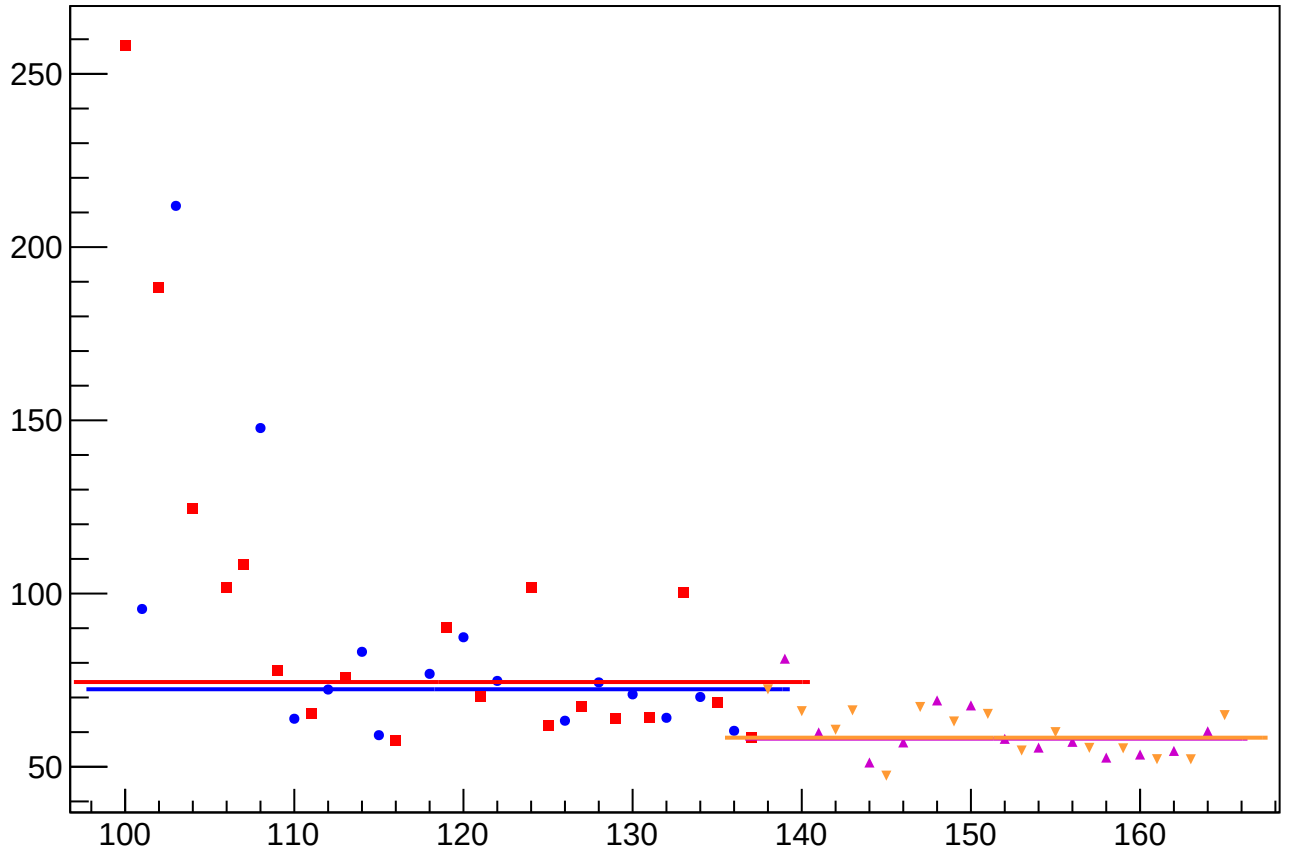
Left: -31.635+/-12.476 χ^2/NDF: 50.3/27

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -11.315+/-15.175 χ^2/NDF:45.4/28

Out: -12.364+/-14.864 χ^2/NDF:55.7/33

All: -11.850+/-10.619 χ^2/NDF: 101.1/62



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.399+/-0.012 χ^2/NDF:315844.5/14

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.115+/-0.013 χ^2/NDF:289374.2/12

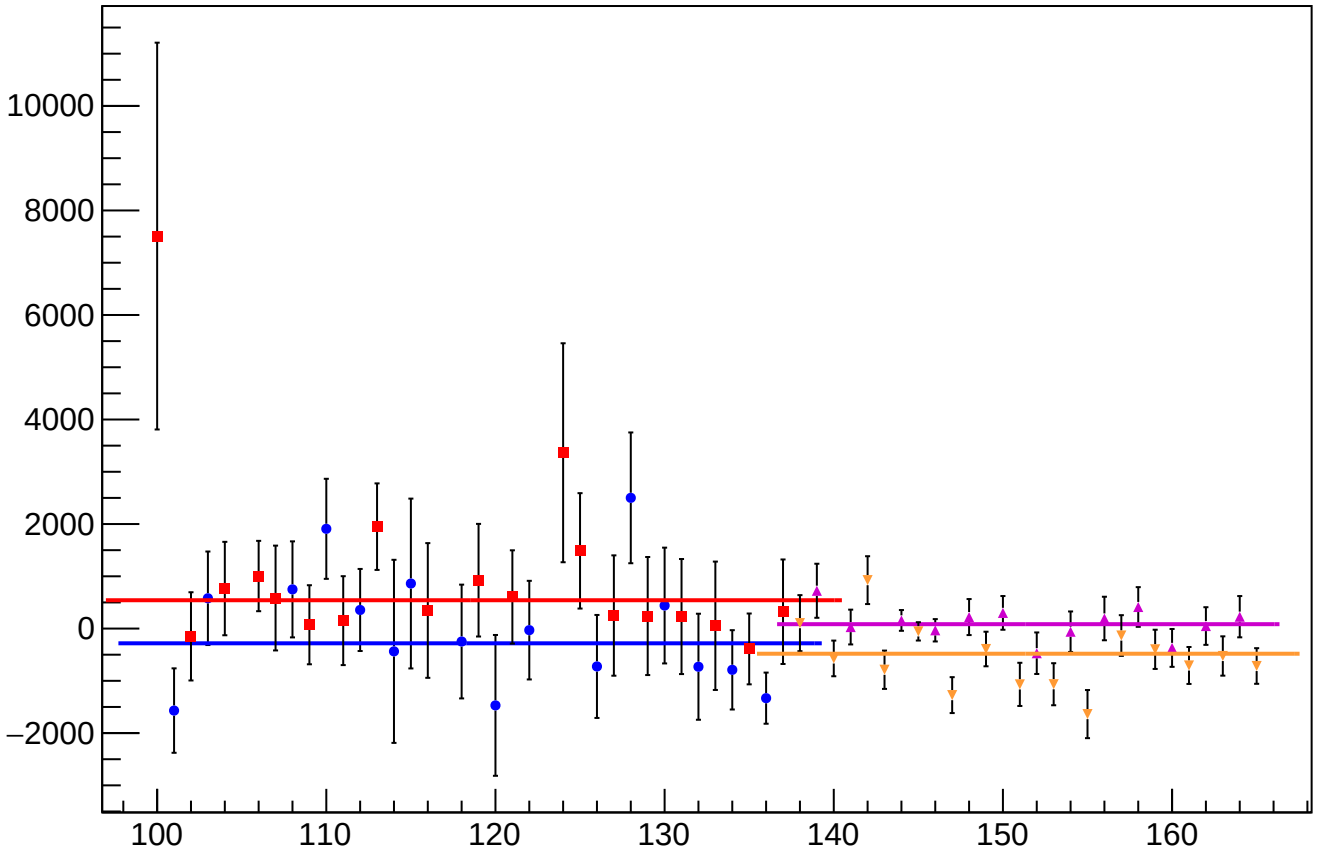
Left: 58.262+/-0.009 χ^2/NDF: 605477.4/27

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 62.212+/-0.011 χ^2/NDF:1589216.8/28

Out: 62.646+/-0.011 χ^2/NDF:1822423.8/33

All: 62.433+/-0.008 χ^2/NDF: 3412475.8/62



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -481.453+/-88.205 χ^2/NDF:34.9/14

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 83.939+/-89.287 χ^2/NDF:7.2/12

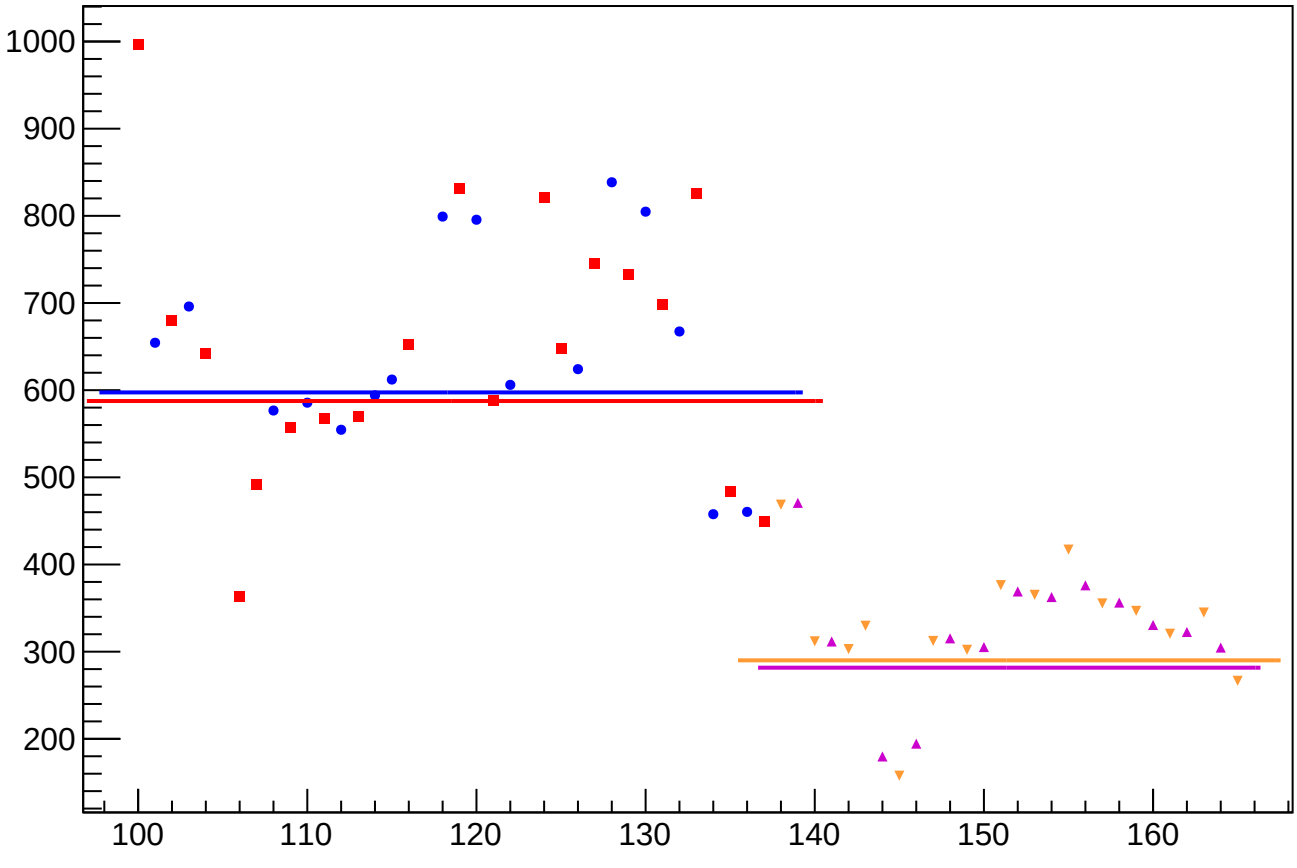
Left: -202.204+/-62.750 χ^2/NDF: 62.4/27

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 35.198+/-83.129 χ^2/NDF:32.3/28

Out: -340.715+/-81.916 χ^2/NDF:66.7/33

All: -155.521+/-58.348 χ^2/NDF: 109.3/62



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 290.044+/-0.062 χ^2/NDF:1882480.3/14

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 281.626+/-0.063 χ^2/NDF:1605113.4/12

Left: 285.886+/-0.044 χ^2/NDF: 3496591.2/27

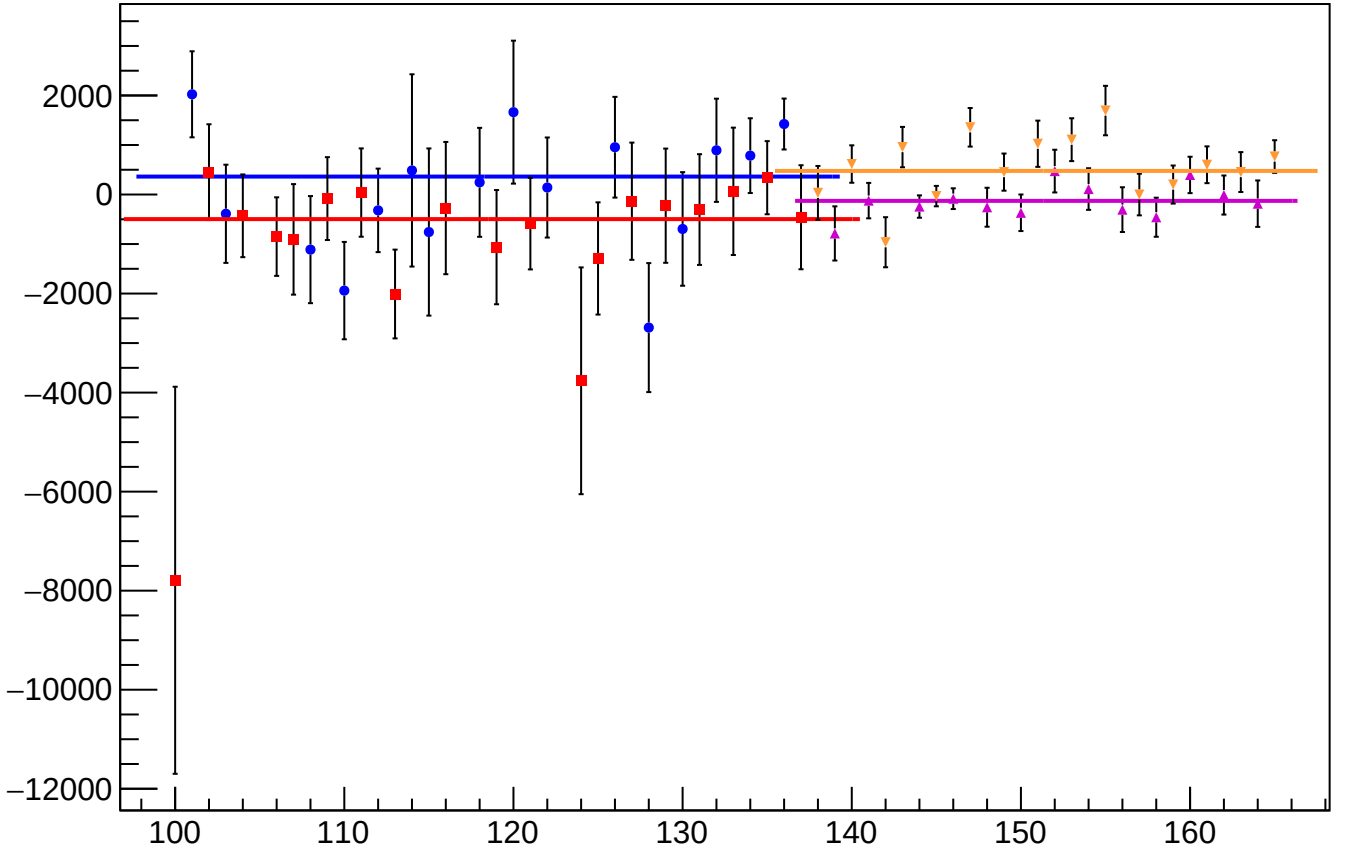
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 323.686+/-0.059 χ^2/NDF:5471248.1/28

Out: 330.956+/-0.058 χ^2/NDF:5700552.6/33

All: 327.375+/-0.041 χ^2/NDF: 11179561.5/62

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 476.716+/-96.868 χ^2/NDF:33.7/14

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -128.421+/-96.178 χ^2/NDF:7.5/12

Left: 171.983+/-68.251 χ^2/NDF: 60.9/27

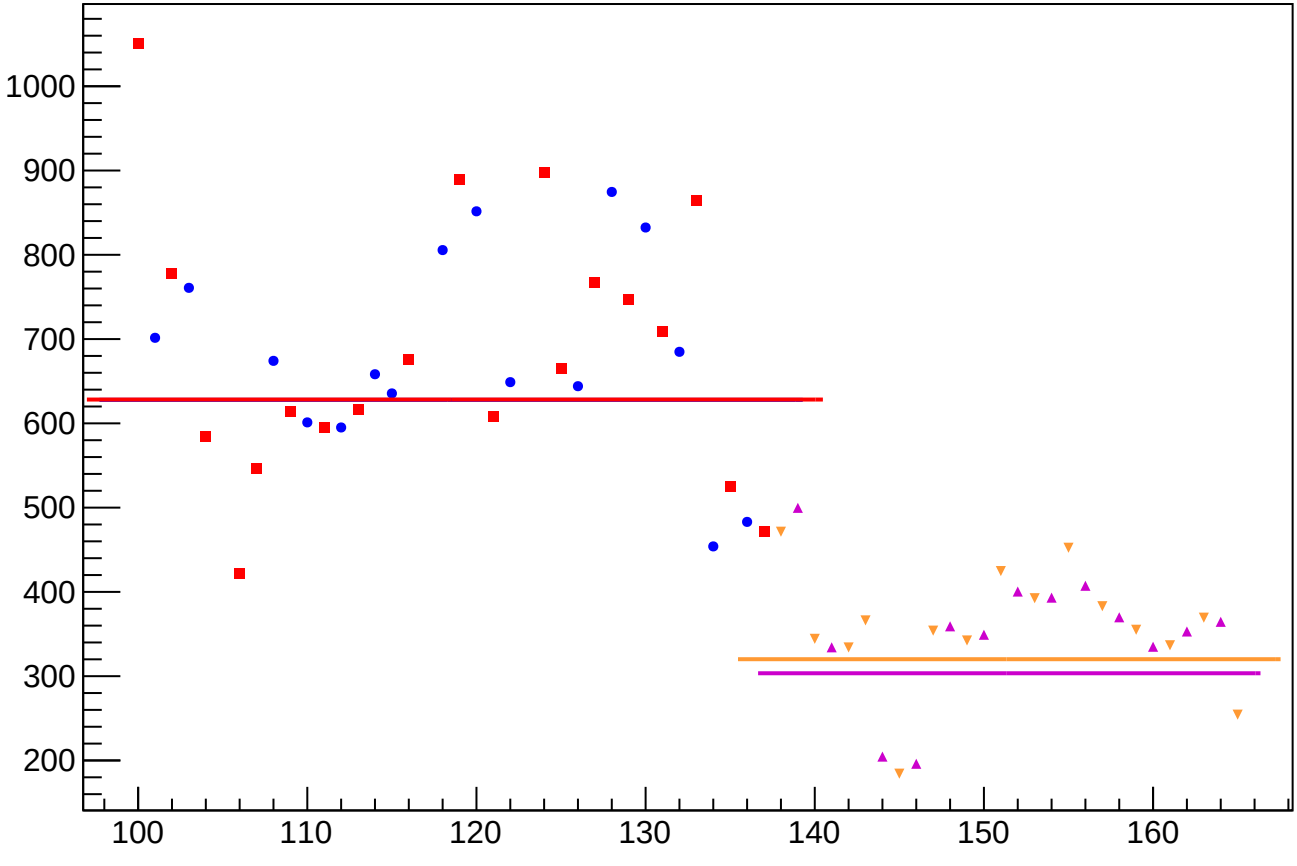
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -60.655+/-89.292 χ^2/NDF:36.2/28

Out: 336.402+/-89.615 χ^2/NDF:60.9/33

All: 137.157+/-63.253 χ^2/NDF: 107.0/62

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 320.142+/-0.068 χ^2/NDF:1553619.7/14

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 303.464+/-0.068 χ^2/NDF:1686960.3/12

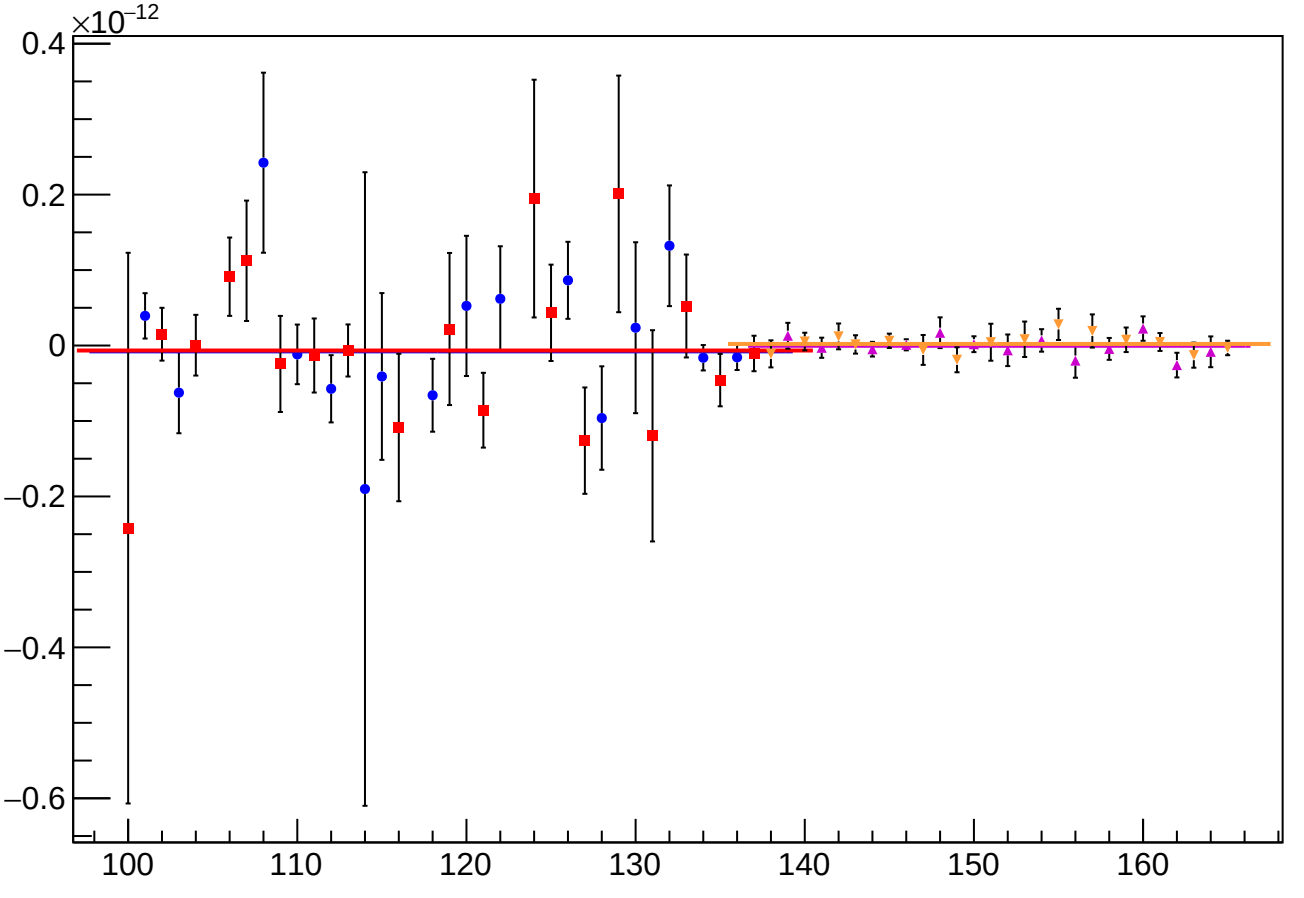
Left: 311.743+/-0.048 χ^2/NDF: 3270434.4/27

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 348.259+/-0.063 χ^2/NDF:5395932.3/28

Out: 364.557+/-0.063 χ^2/NDF:5041368.5/33

All: 356.378+/-0.045 χ^2/NDF: 10470497.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/12

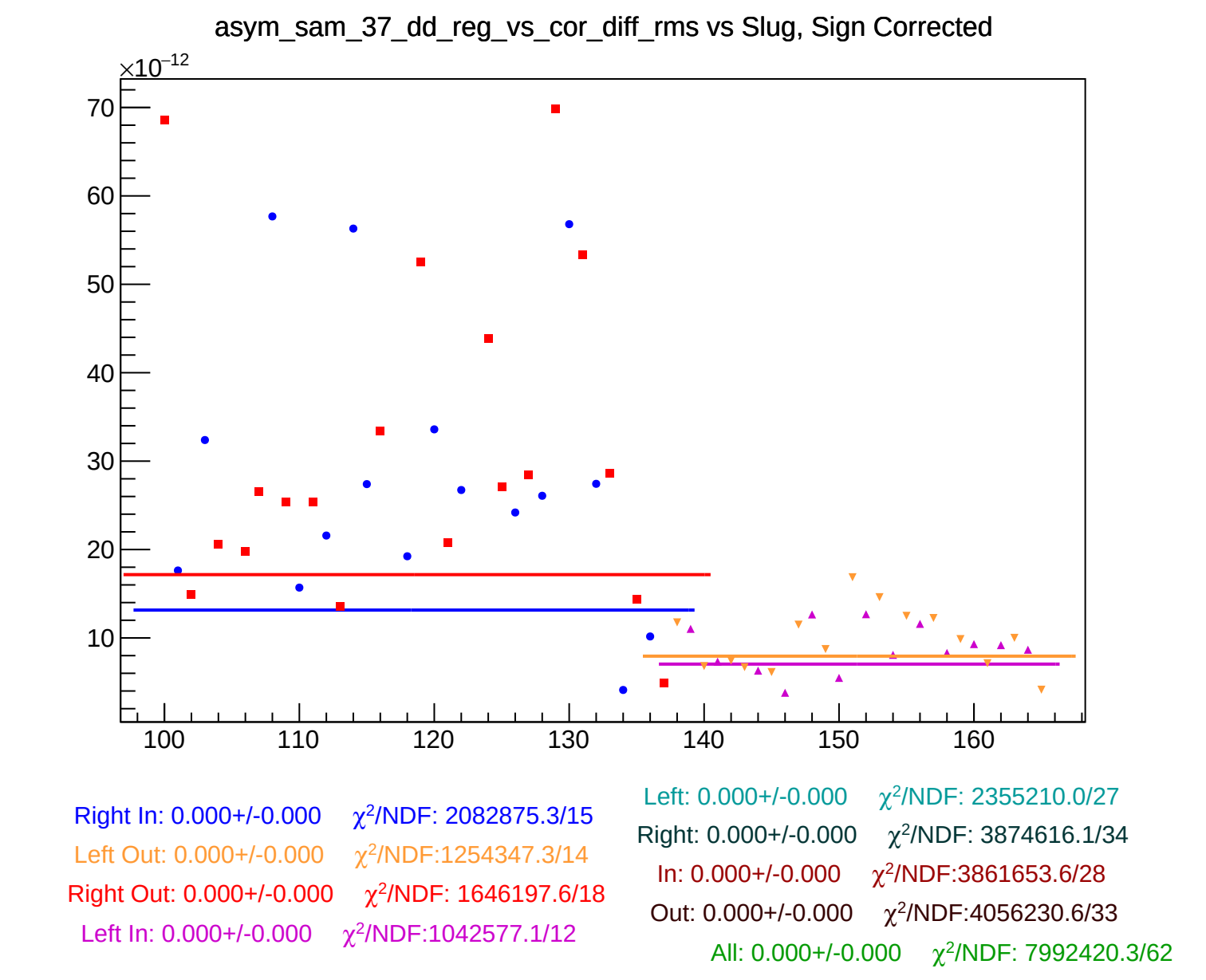
Left: 0.000+/-0.000 χ^2/NDF: 14.0/27

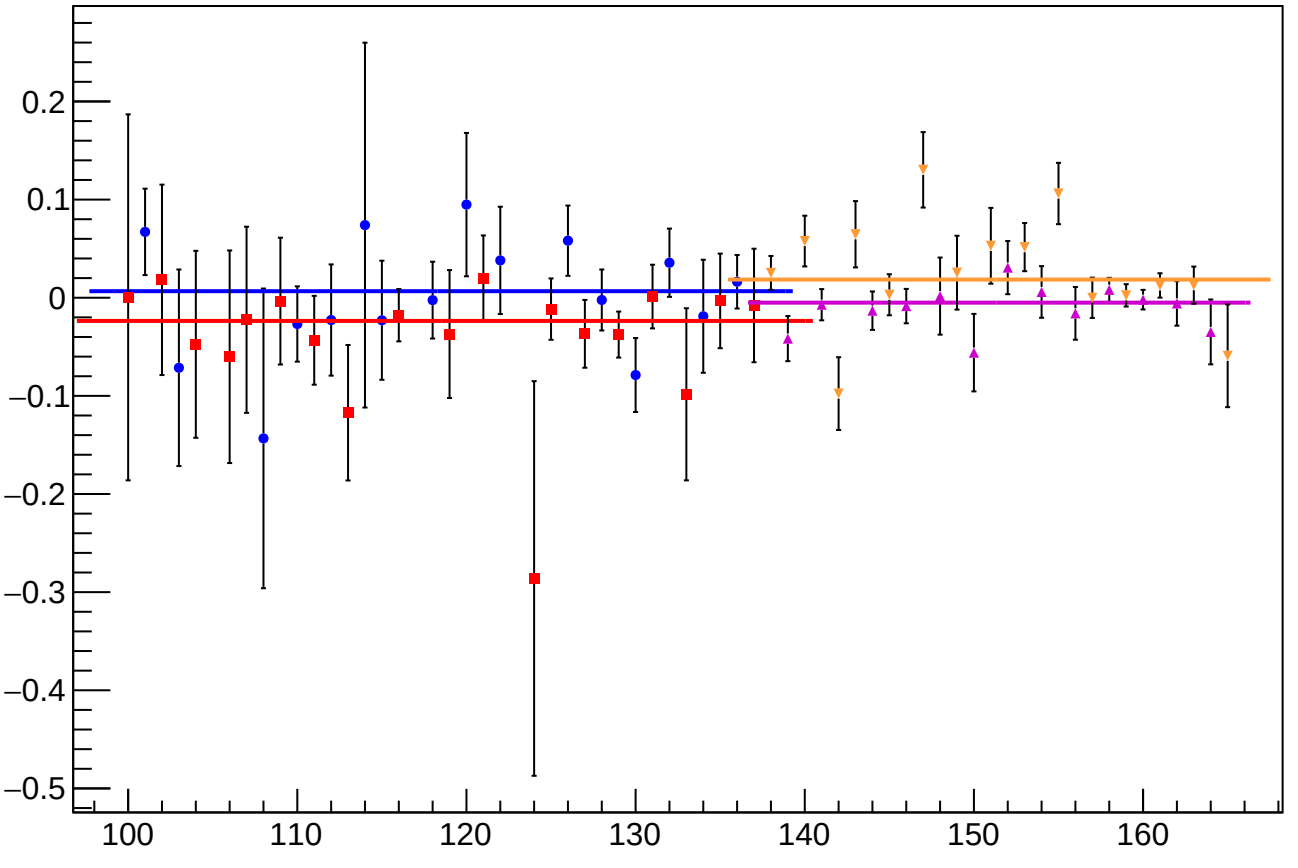
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.9/28

Out: 0.000+/-0.000 χ^2/NDF:26.9/33

All: -0.000+/-0.000 χ^2/NDF: 56.1/62


asym_sam_37_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1254347.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1042577.1/12
Left: 0.000+/-0.000 χ²/NDF: 2355210.0/27
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3861653.6/28
Out: 0.000+/-0.000 χ²/NDF:4056230.6/33
All: 0.000+/-0.000 χ²/NDF: 7992420.3/62



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 57.2/27

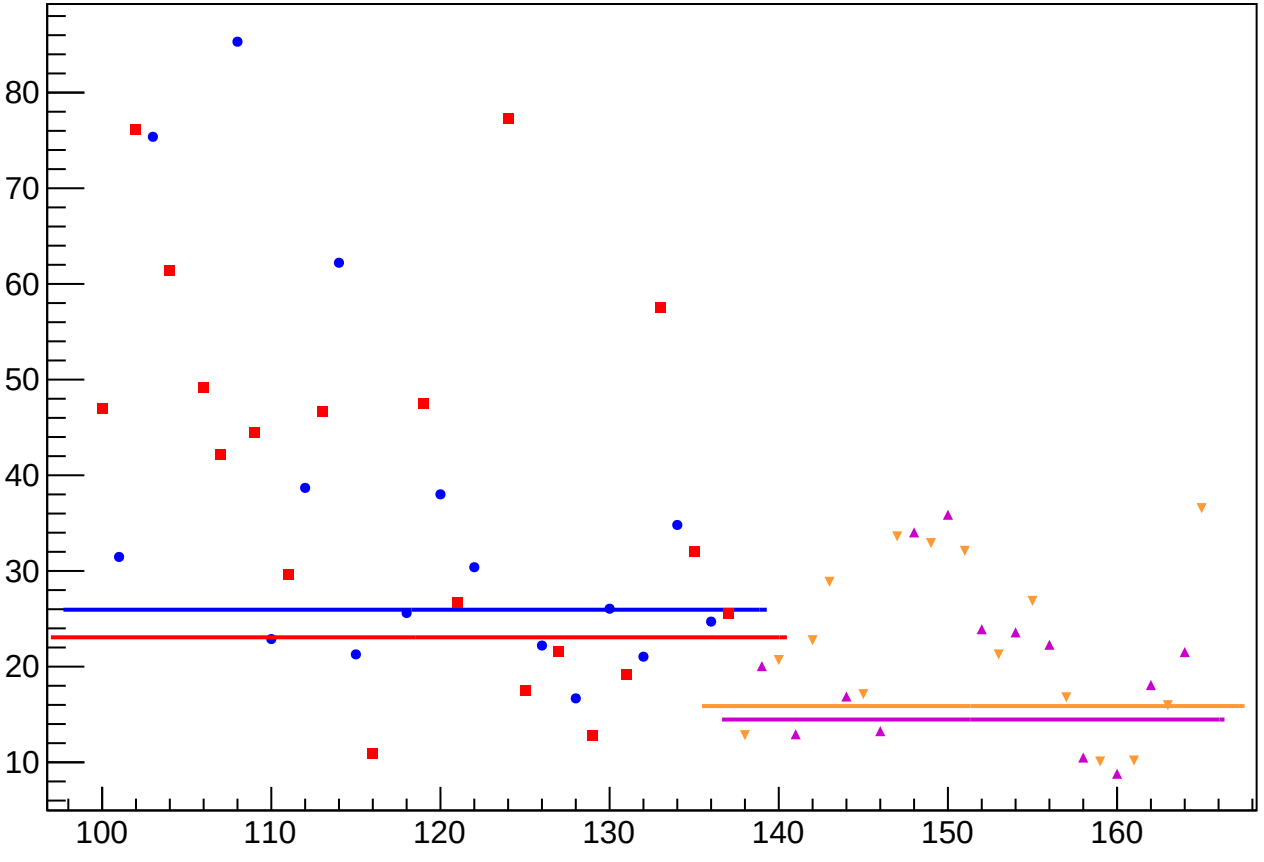
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/62

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285474.4/14

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

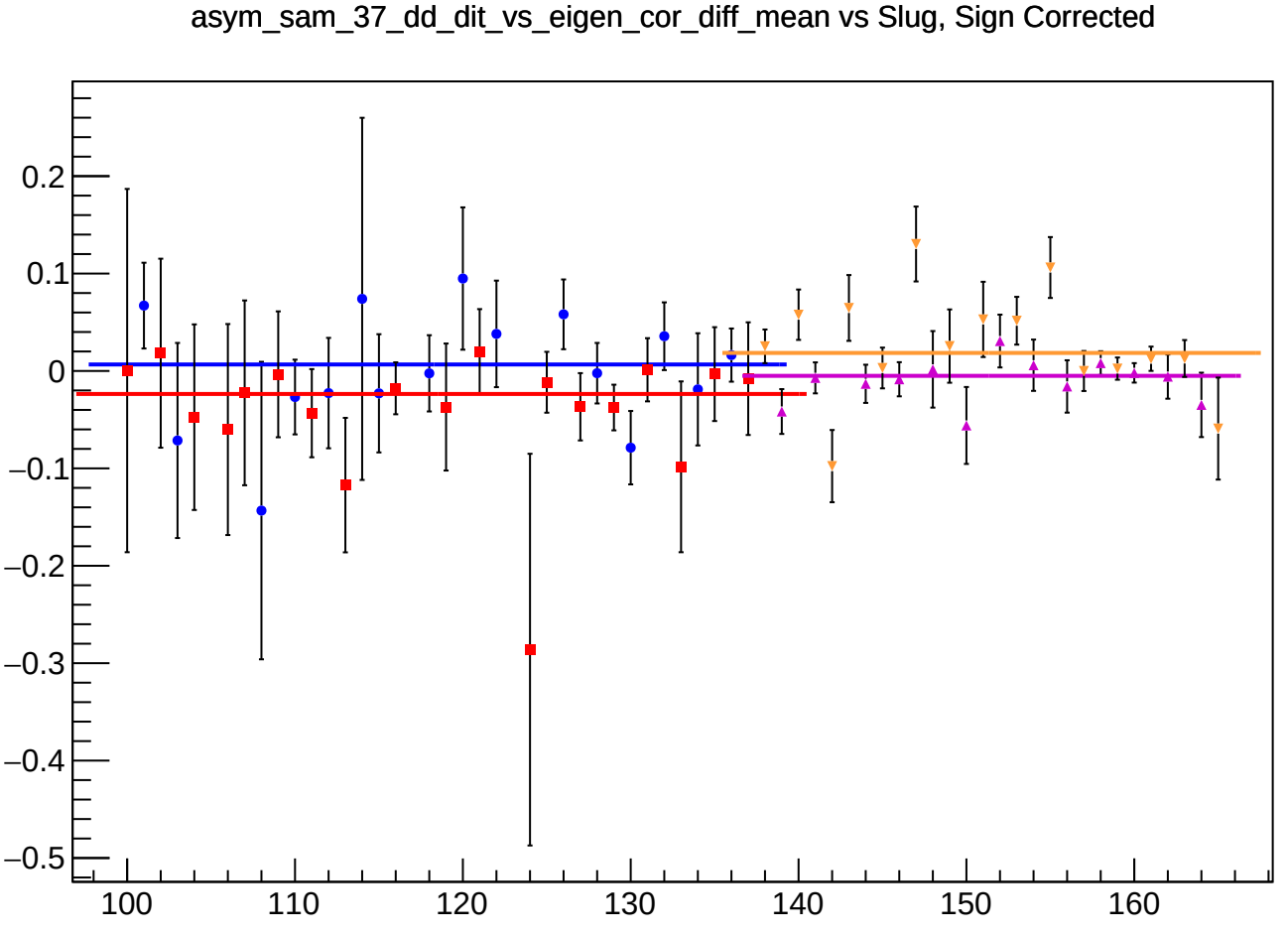
Left: 15.138+/-0.003 χ^2/NDF: 6263655.2/27

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.545+/-0.003 χ^2/NDF:6042984.0/28

Out: 17.421+/-0.003 χ^2/NDF:7381921.6/33

All: 16.970+/-0.002 χ^2/NDF: 13458292.8/62



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 57.2/27

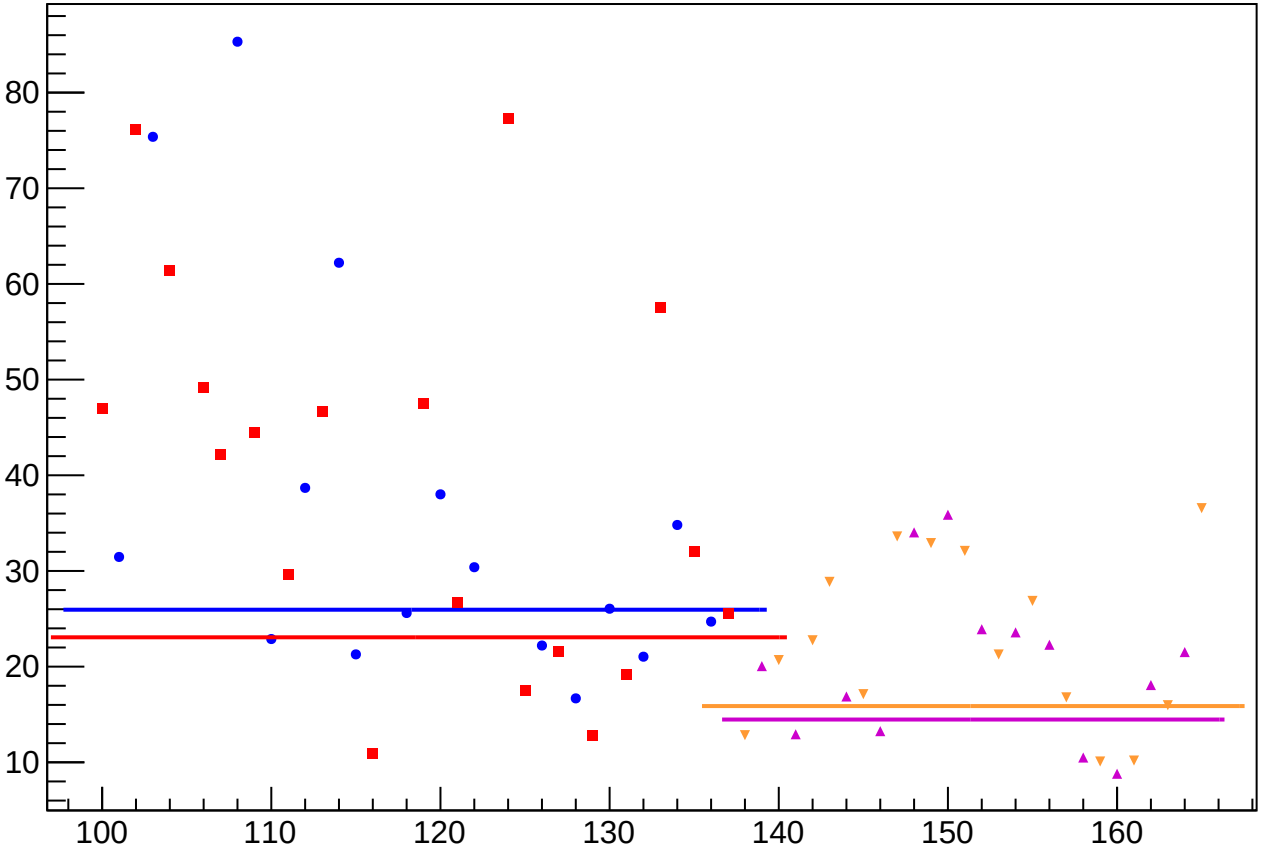
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/62

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285474.4/14

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

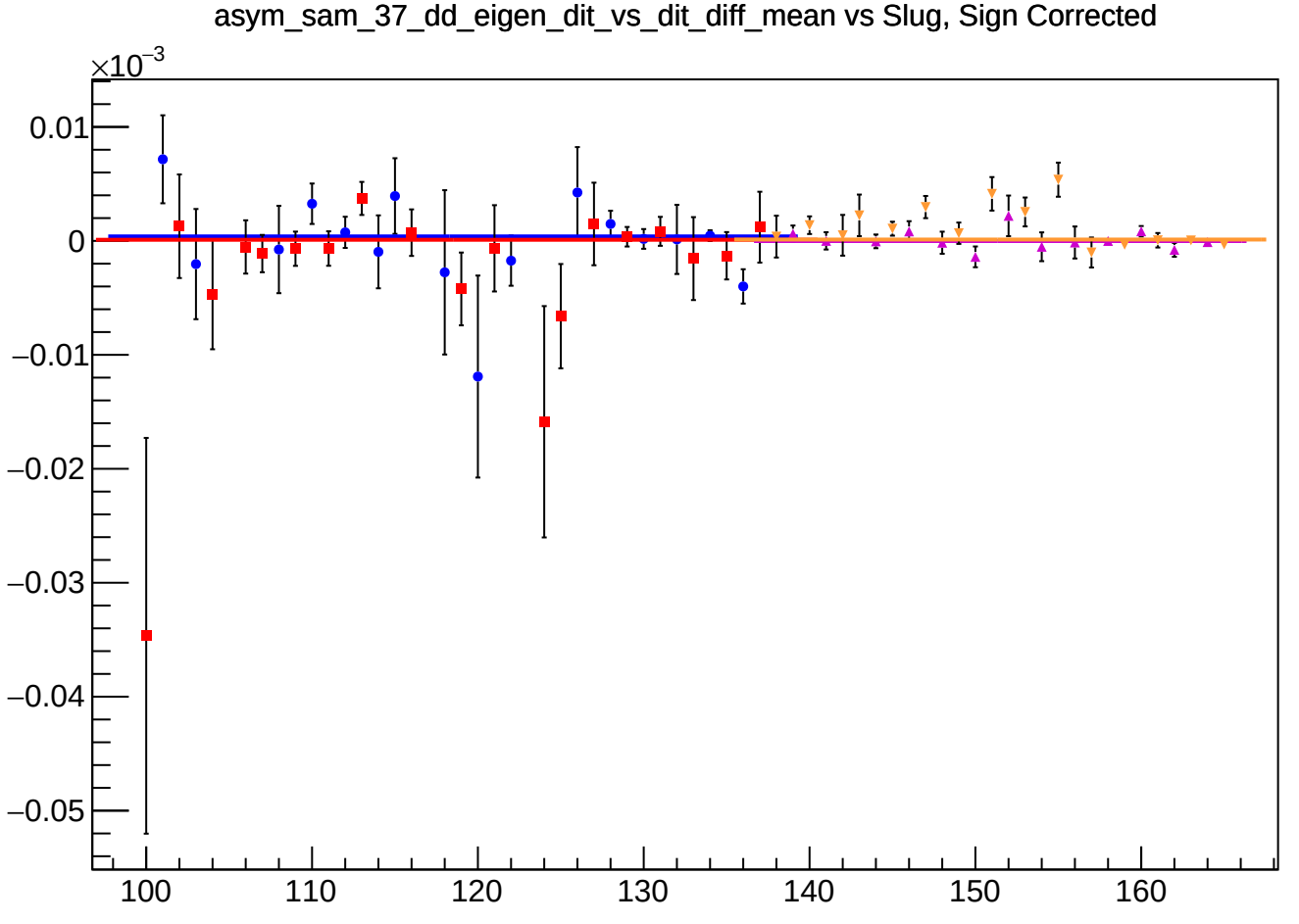
Left: 15.138+/-0.003 χ^2/NDF: 6263655.2/27

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.545+/-0.003 χ^2/NDF:6042984.0/28

Out: 17.421+/-0.003 χ^2/NDF:7381921.6/33

All: 16.970+/-0.002 χ^2/NDF: 13458292.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/12

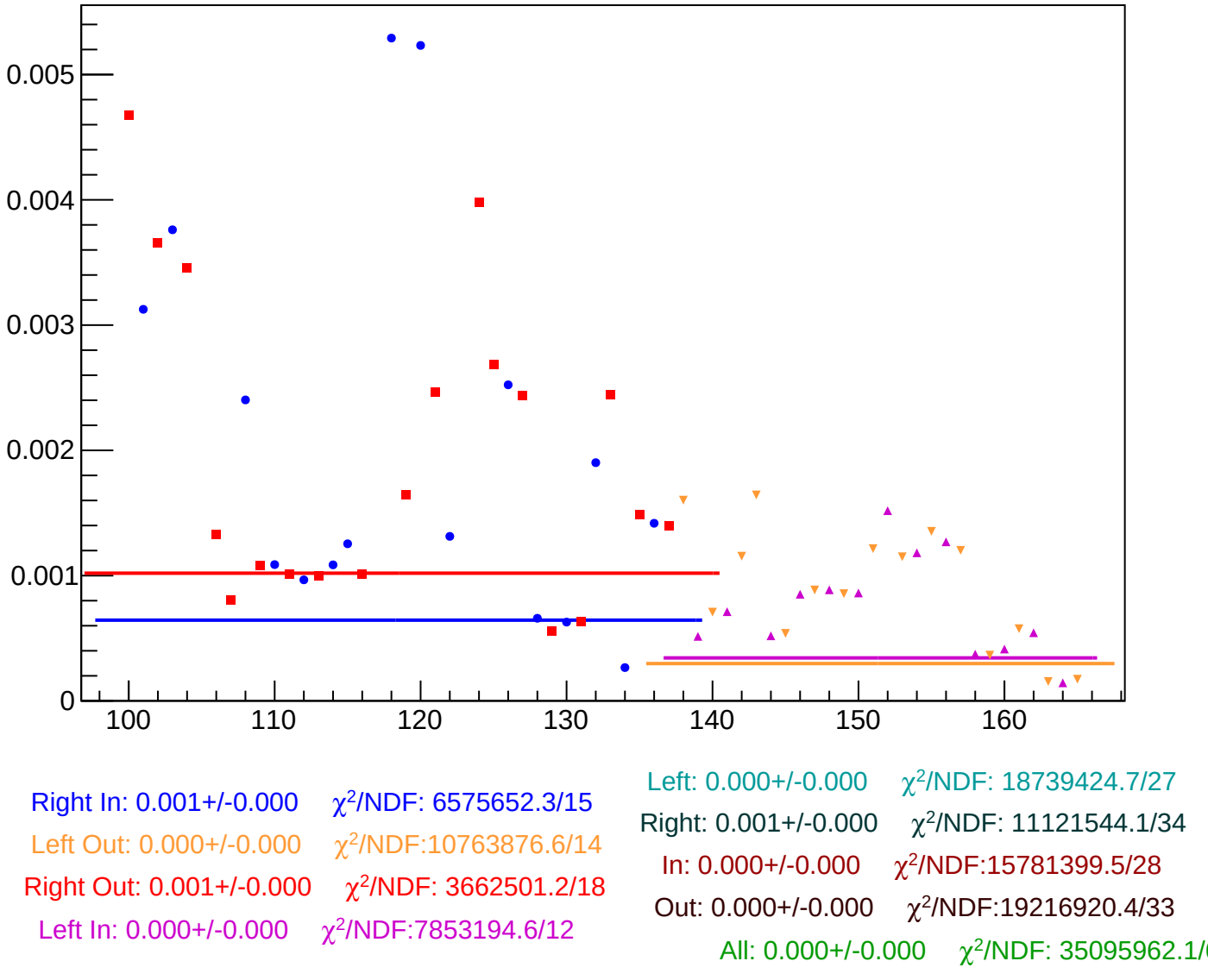
Left: 0.000+/-0.000 χ^2/NDF: 56.5/27

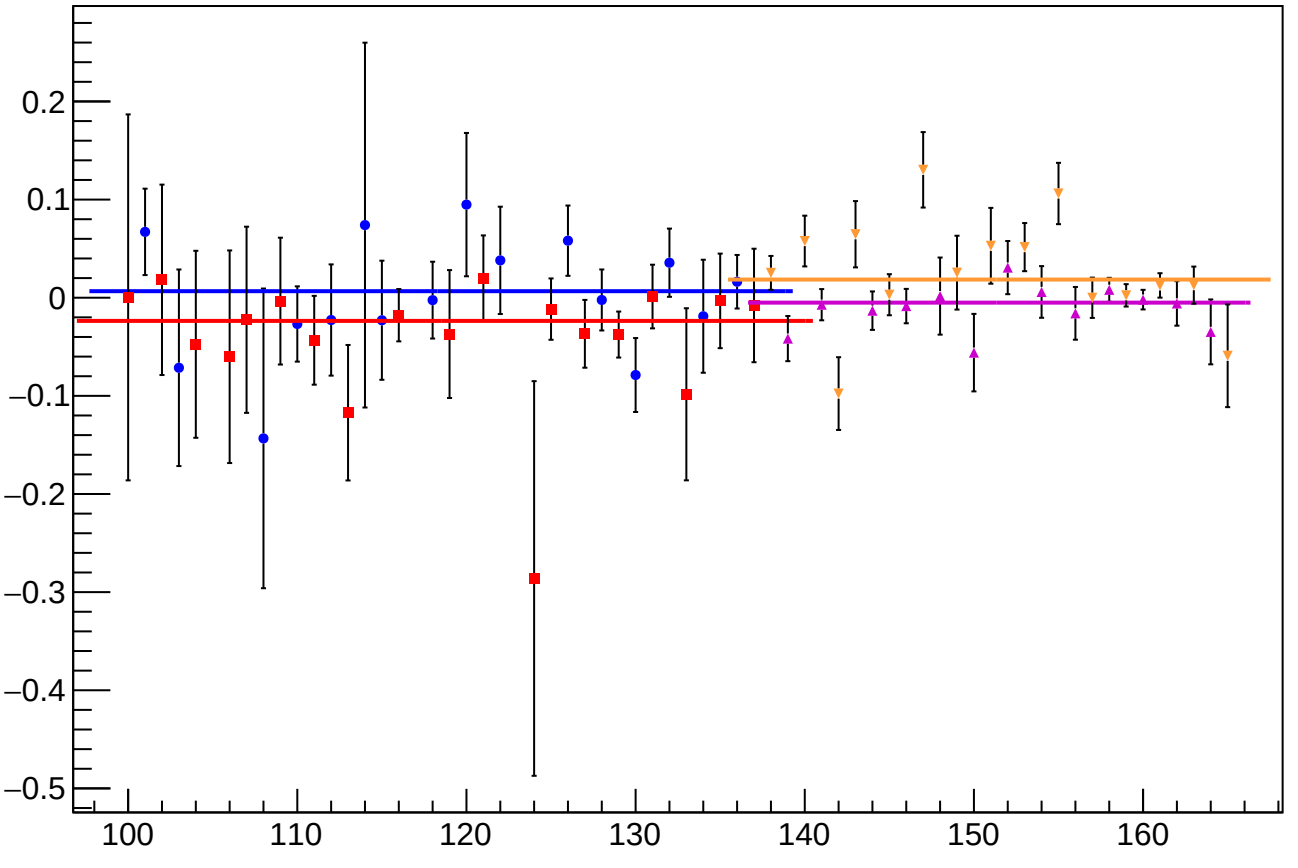
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:33.1/28

Out: 0.000+/-0.000 χ^2/NDF:65.4/33

All: 0.000+/-0.000 χ^2/NDF: 98.7/62


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:10763876.6/14
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:7853194.6/12
Left: 0.000+/-0.000 χ²/NDF: 18739424.7/27
Right: 0.001+/-0.000 χ²/NDF: 11121544.1/34
In: 0.000+/-0.000 χ²/NDF:15781399.5/28
Out: 0.000+/-0.000 χ²/NDF:19216920.4/33
All: 0.000+/-0.000 χ²/NDF: 35095962.1/62



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 57.2/27

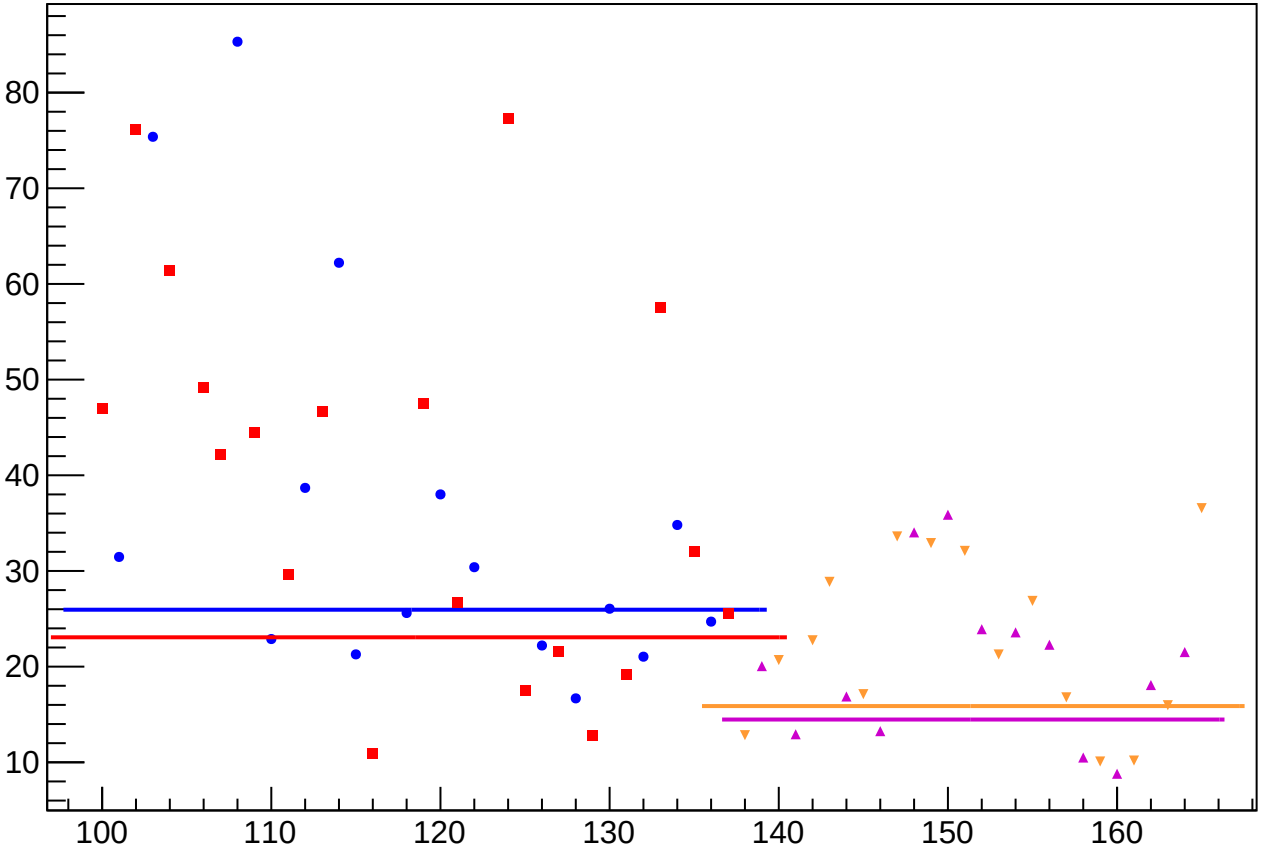
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/62

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: 15.878+/-0.004 χ^2/NDF:3285674.7/14

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

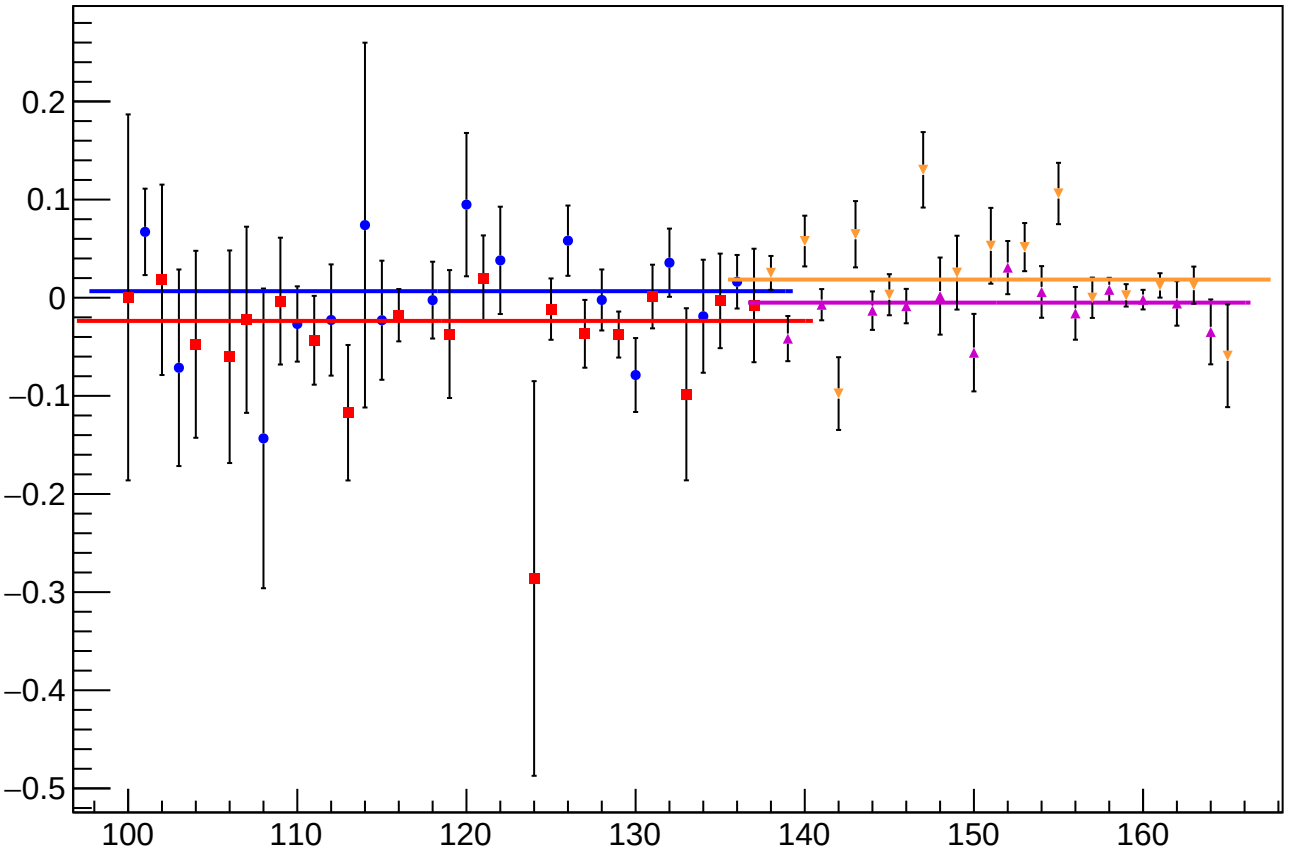
Left: 15.138+/-0.003 χ^2/NDF: 6264029.0/27

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.546+/-0.003 χ^2/NDF:6043159.0/28

Out: 17.422+/-0.003 χ^2/NDF:7381998.1/33

All: 16.970+/-0.002 χ^2/NDF: 13458554.9/62



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 57.2/27

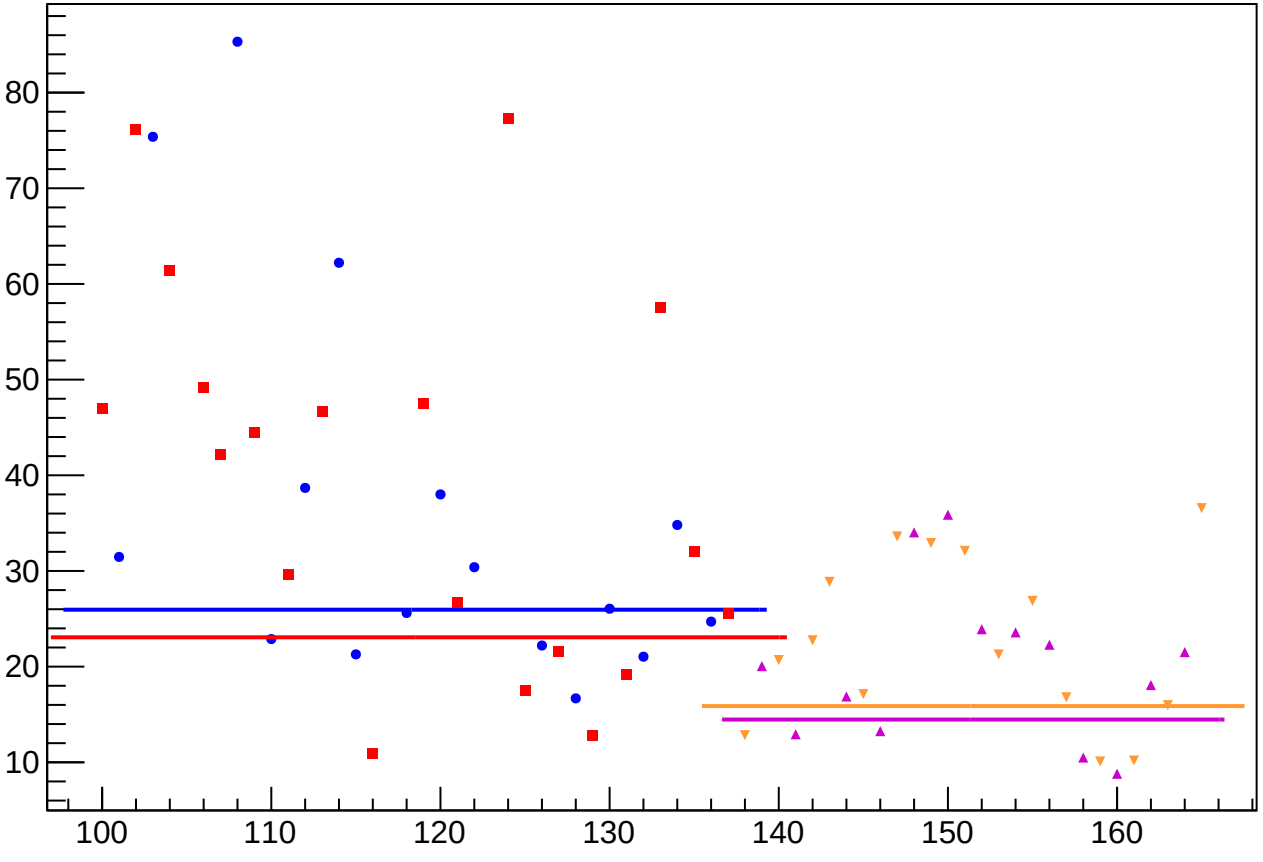
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/62

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: 15.878+/-0.004 χ^2/NDF:3285674.7/14

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

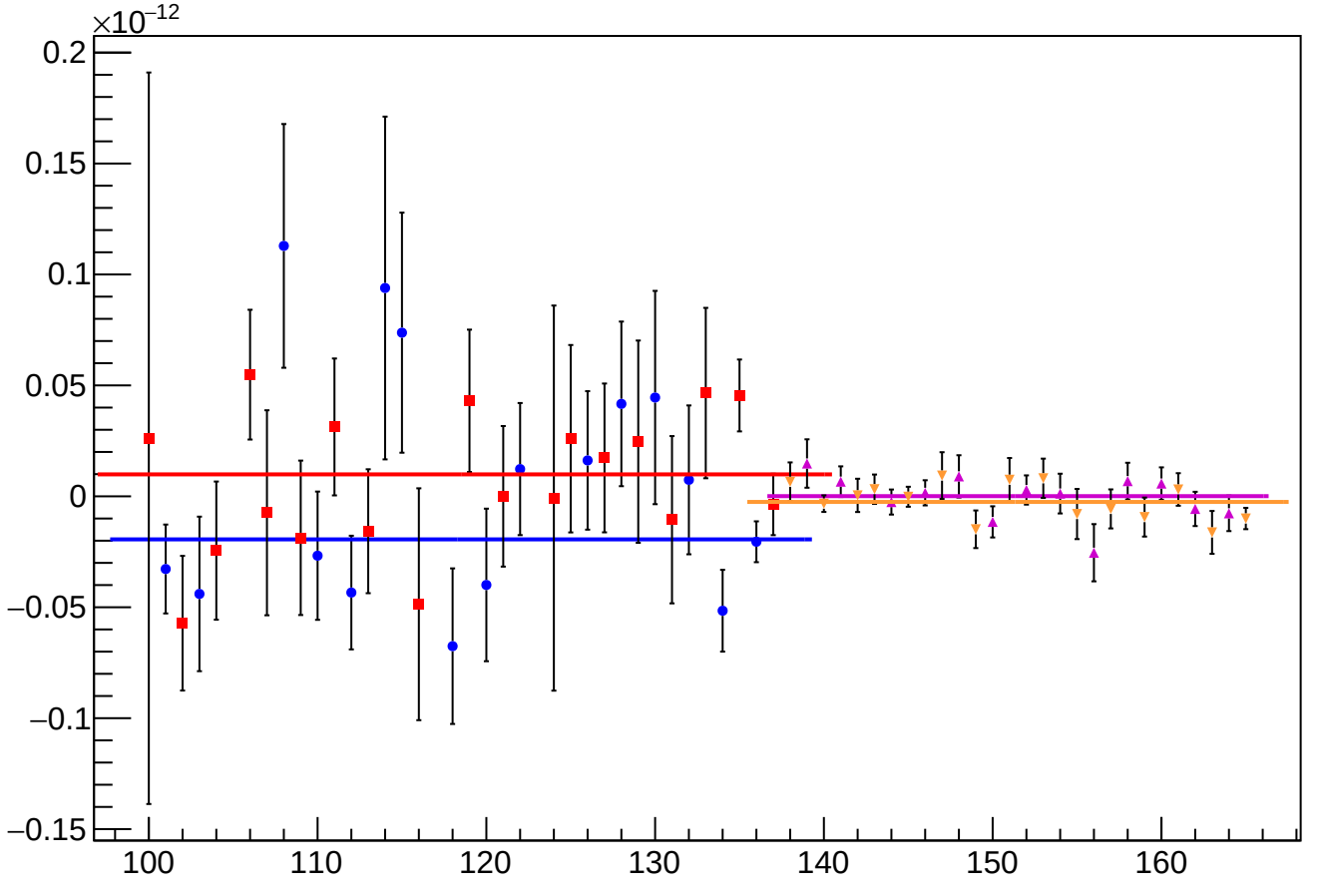
Left: 15.138+/-0.003 χ^2/NDF: 6264029.0/27

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.546+/-0.003 χ^2/NDF:6043159.0/28

Out: 17.422+/-0.003 χ^2/NDF:7381998.1/33

All: 16.970+/-0.002 χ^2/NDF: 13458554.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/12

Left: -0.000+/-0.000 χ^2/NDF: 28.6/27

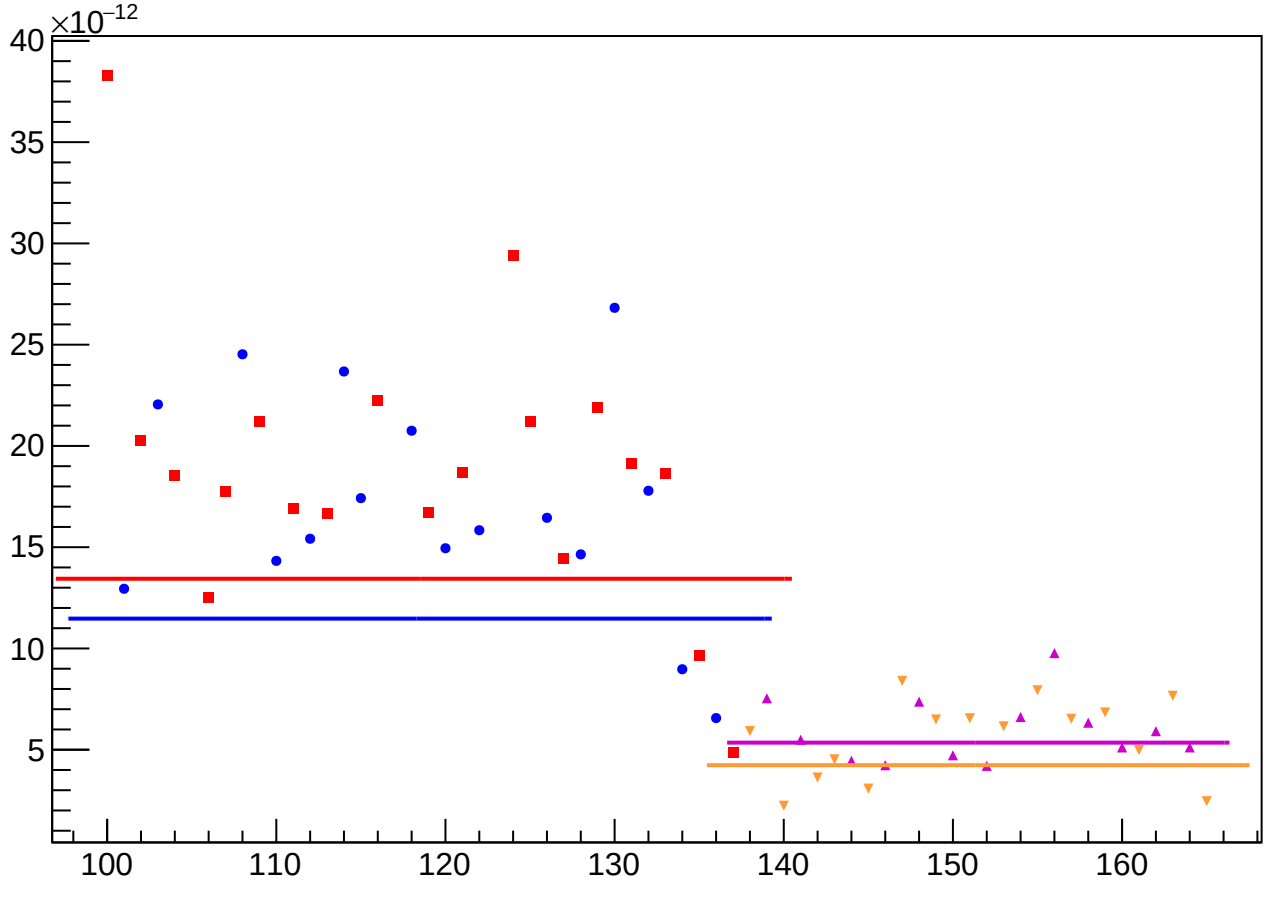
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:48.5/28

Out: -0.000+/-0.000 χ^2/NDF:37.6/33

All: -0.000+/-0.000 χ^2/NDF: 86.1/62

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2531468.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:694265.4/12

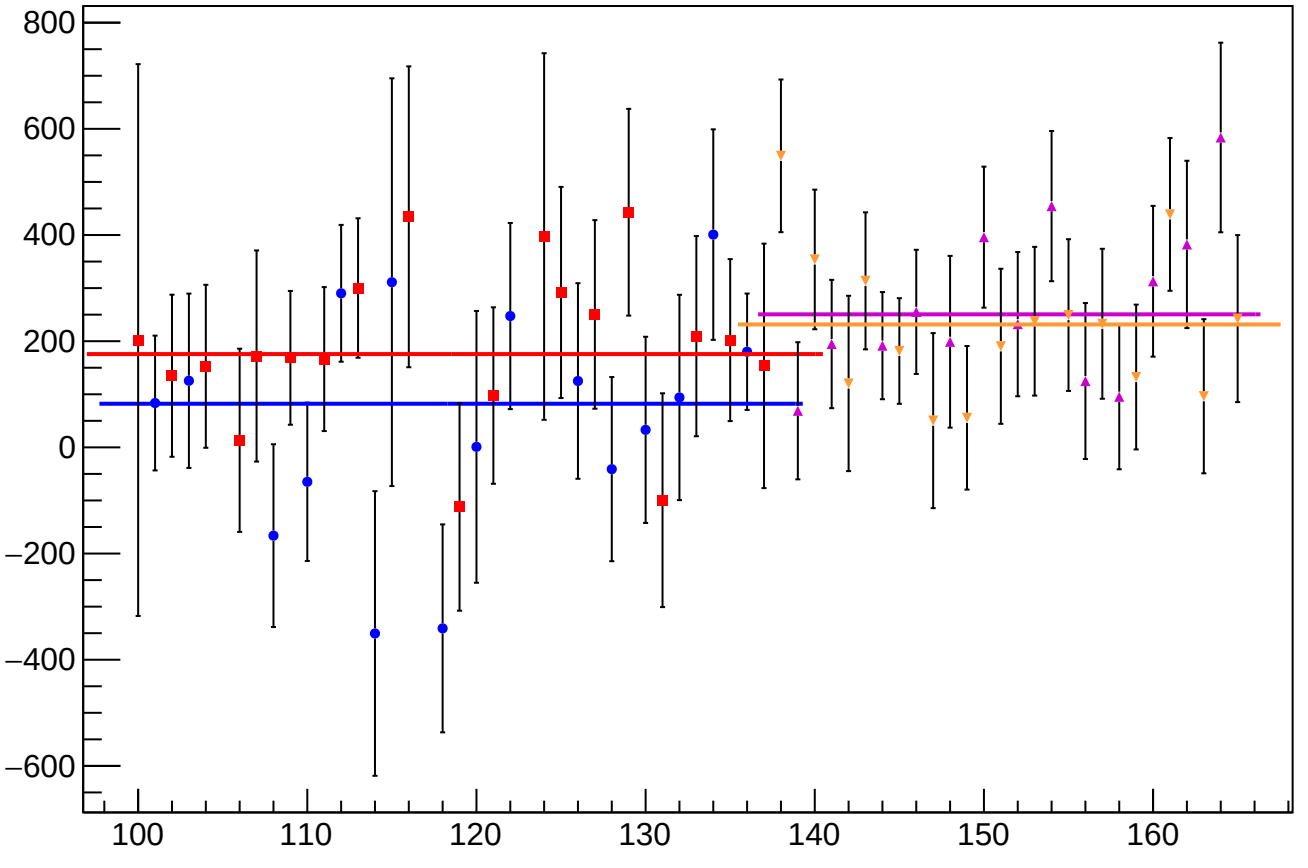
Left: 0.000+/-0.000 χ^2/NDF: 3561274.1/27

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4134417.8/28

Out: 0.000+/-0.000 χ^2/NDF:7663993.3/33

All: 0.000+/-0.000 χ^2/NDF: 12219990.1/62



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.539+/-35.752 χ^2/NDF:13.3/14

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 250.584+/-37.271 χ^2/NDF:12.3/12

Left: 240.665+/-25.801 χ^2/NDF: 25.8/27

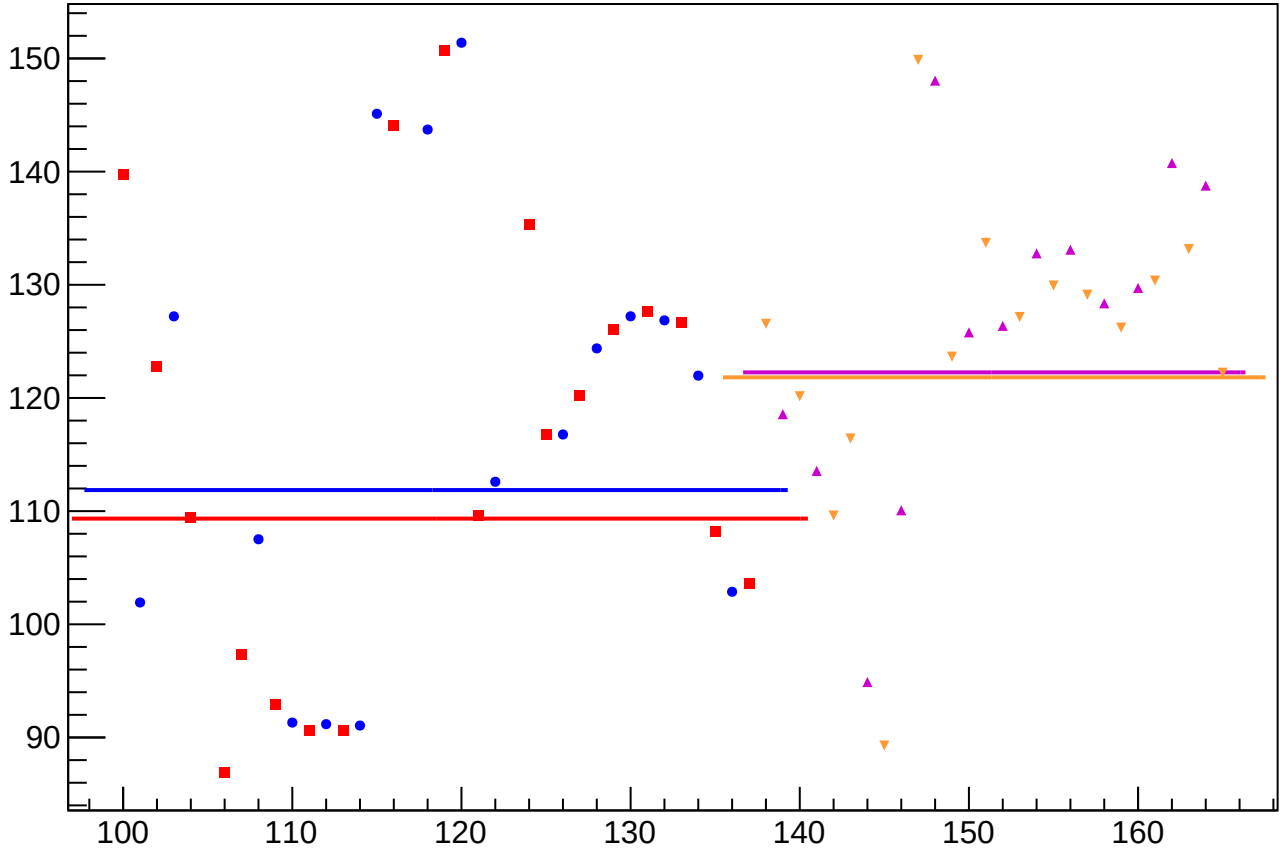
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 176.661+/-27.916 χ^2/NDF:39.7/28

Out: 207.214+/-26.852 χ^2/NDF:24.3/33

All: 192.531+/-19.353 χ^2/NDF: 64.5/62

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

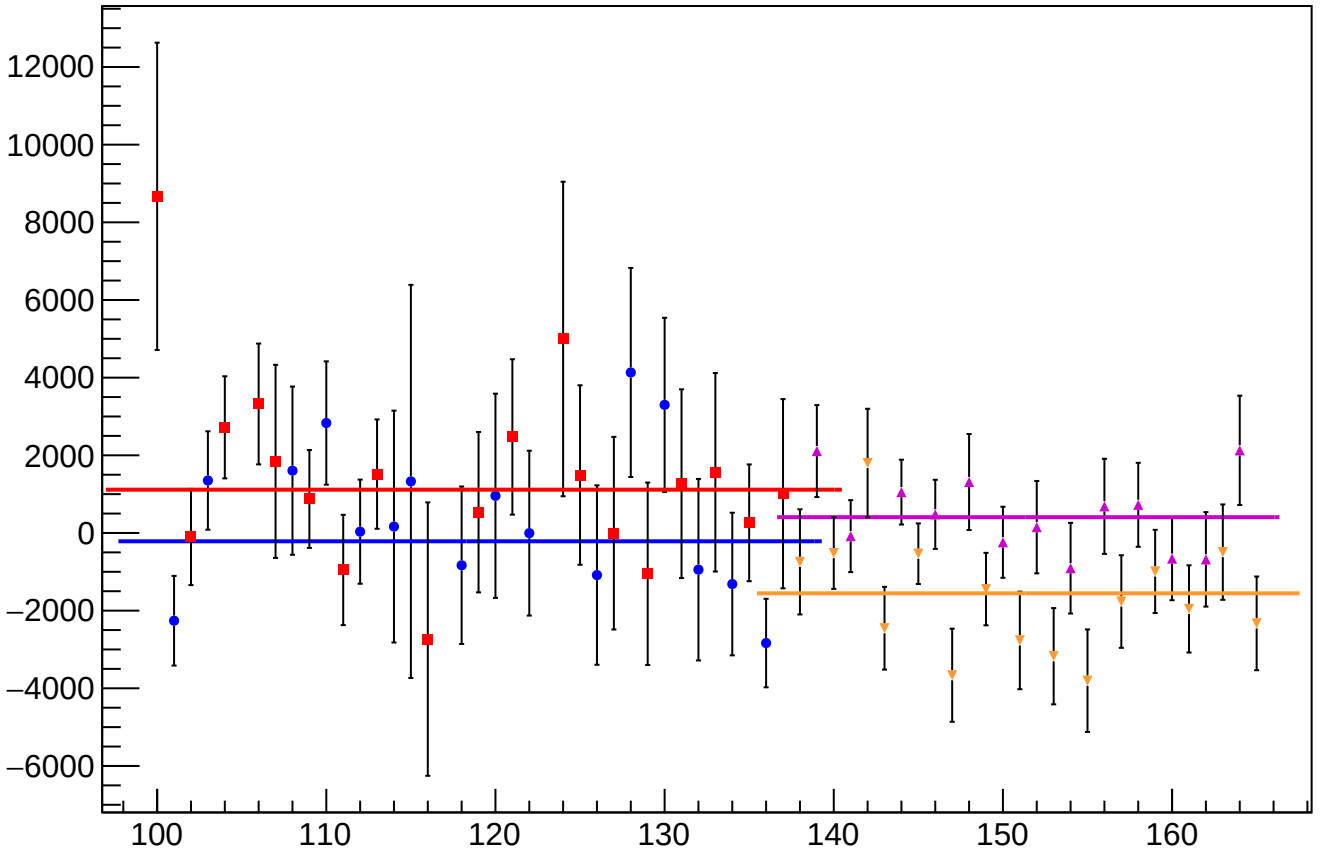
Left: 122.032+/-0.018 χ^2/NDF: 649511.9/27

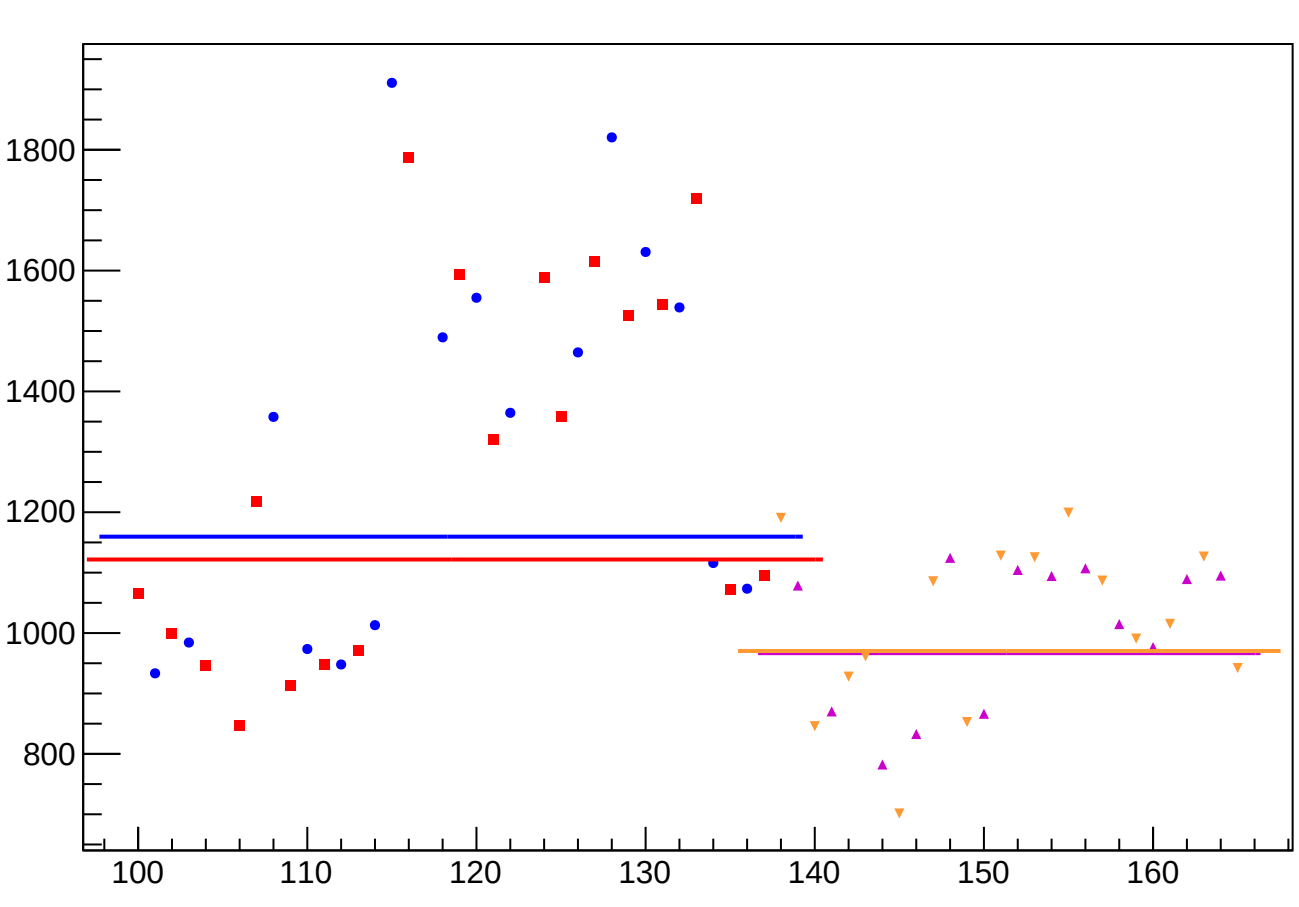
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.696+/-0.020 χ^2/NDF:685266.3/28

Out: 116.381+/-0.019 χ^2/NDF:811939.6/33

All: 117.013+/-0.014 χ^2/NDF: 1499512.6/62


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -214.187+/-443.962 χ²/NDF: 20.4/15
Left Out: -1554.289+/-286.621 χ²/NDF:20.0/14
Right Out: 1114.700+/-423.039 χ²/NDF: 14.5/18
Left In: 406.699+/-295.662 χ²/NDF:8.7/12
Left: -604.235+/-205.794 χ²/NDF: 51.4/27
Right: 482.307+/-306.263 χ²/NDF: 39.7/34
In: 215.936+/-246.086 χ²/NDF:30.5/28
Out: -714.570+/-237.287 χ²/NDF:61.8/33
All: -266.249+/-170.813 χ²/NDF: 99.8/62



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 970.306+/-0.203 χ^2/NDF:558705.0/14

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 966.728+/-0.209 χ^2/NDF:357024.8/12

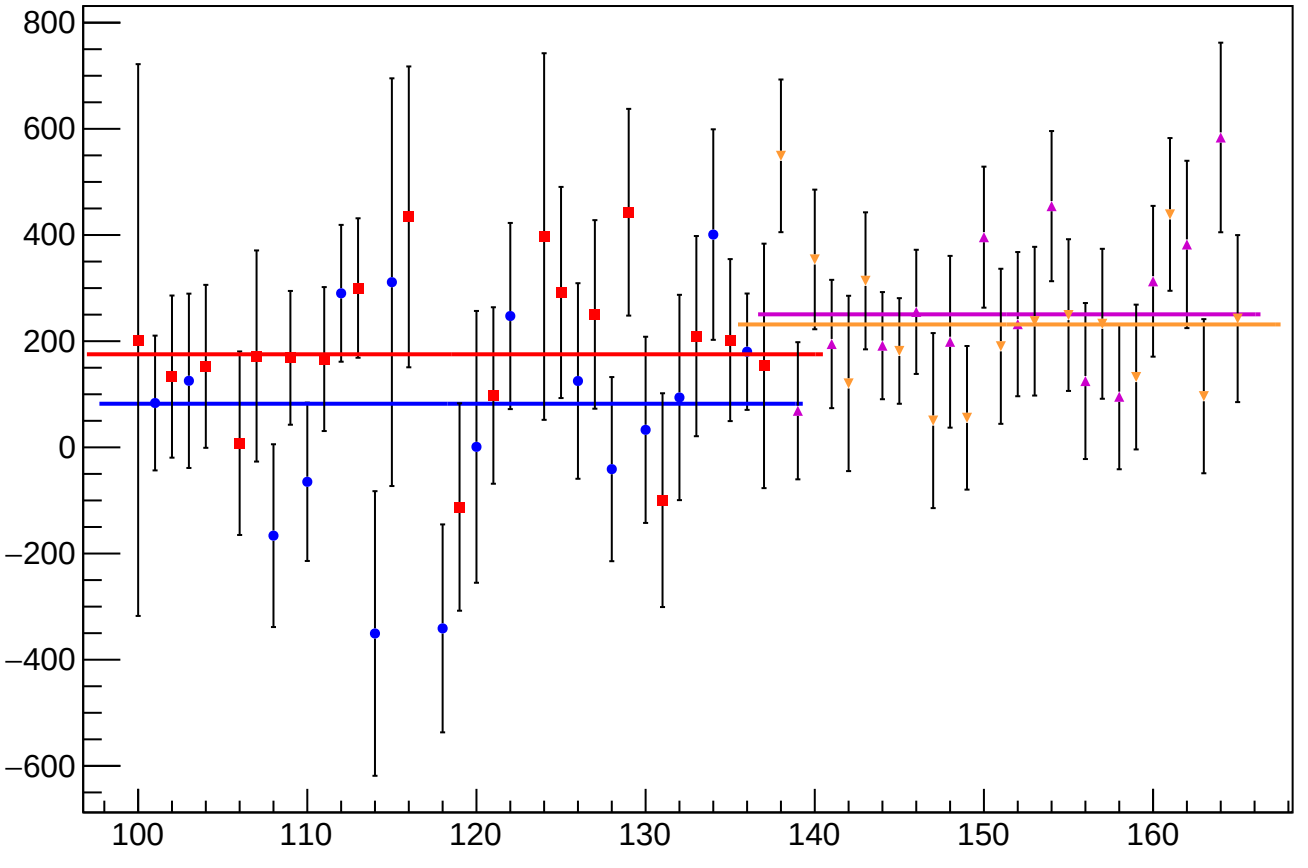
Left: 968.573+/-0.146 χ^2/NDF: 915880.8/27

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1025.976+/-0.174 χ^2/NDF:1302119.5/28

Out: 1017.954+/-0.168 χ^2/NDF:1516653.9/33

All: 1021.819+/-0.121 χ^2/NDF: 2819874.7/62



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.541+/-35.752 χ^2/NDF:13.3/14

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 250.586+/-37.271 χ^2/NDF:12.3/12

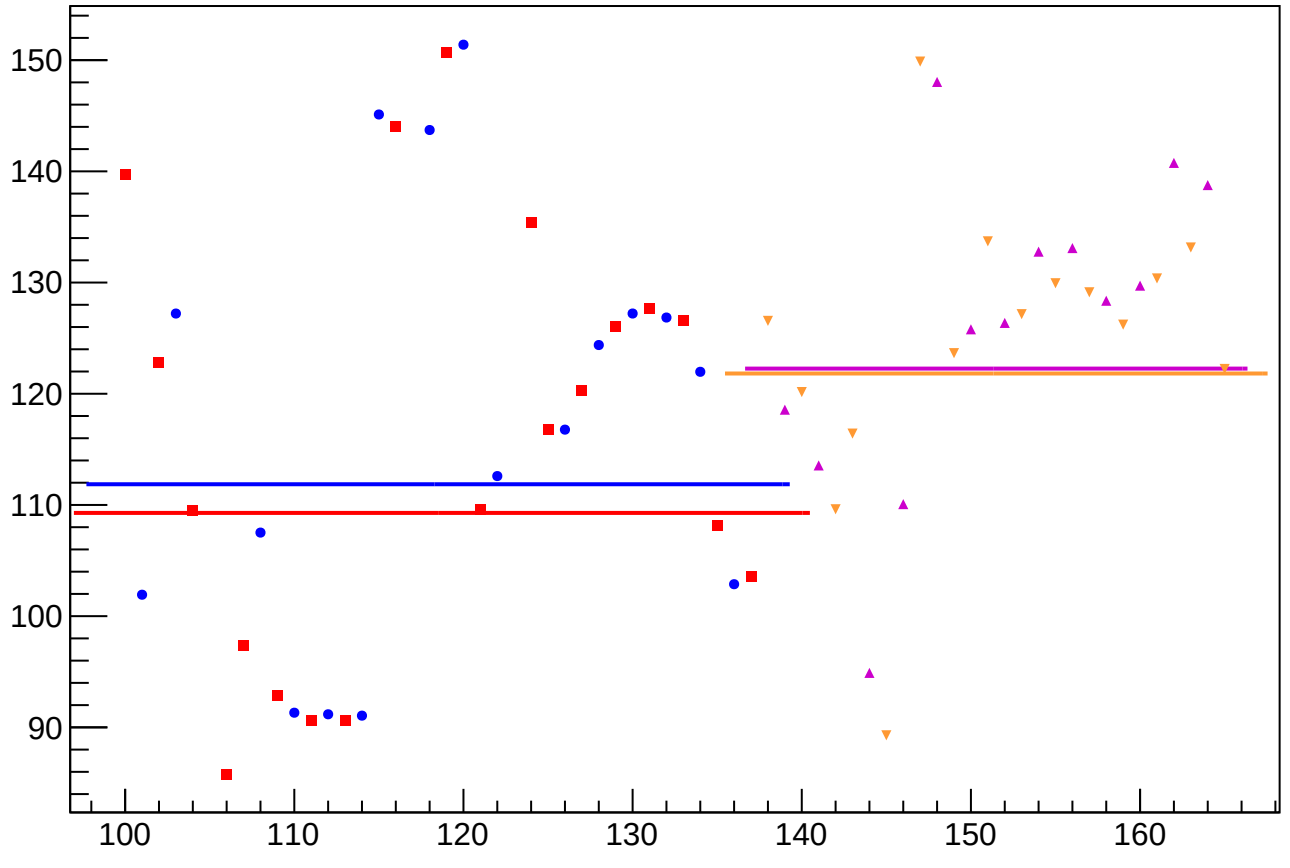
Left: 240.667+/-25.801 χ^2/NDF: 25.8/27

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 176.657+/-27.916 χ^2/NDF:39.7/28

Out: 207.048+/-26.854 χ^2/NDF:24.3/33

All: 192.442+/-19.353 χ^2/NDF: 64.6/62



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

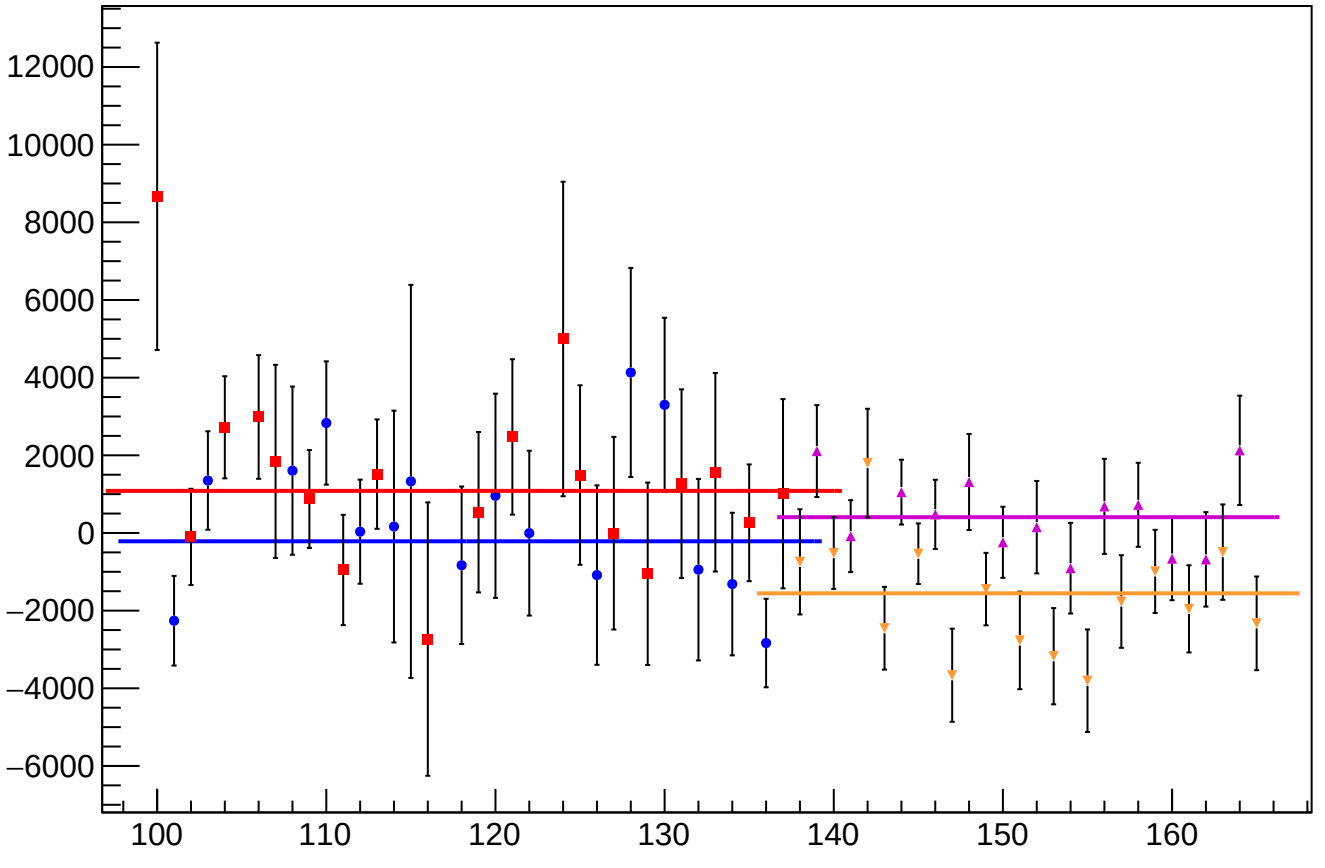
Left: 122.032+/-0.018 χ^2/NDF: 649511.9/27

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.696+/-0.020 χ^2/NDF:685267.1/28

Out: 116.357+/-0.019 χ^2/NDF:816372.4/33

All: 117.001+/-0.014 χ^2/NDF: 1504029.7/62



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1554.286+/-286.621 χ^2/NDF:20.0/14

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 406.705+/-295.662 χ^2/NDF:8.7/12

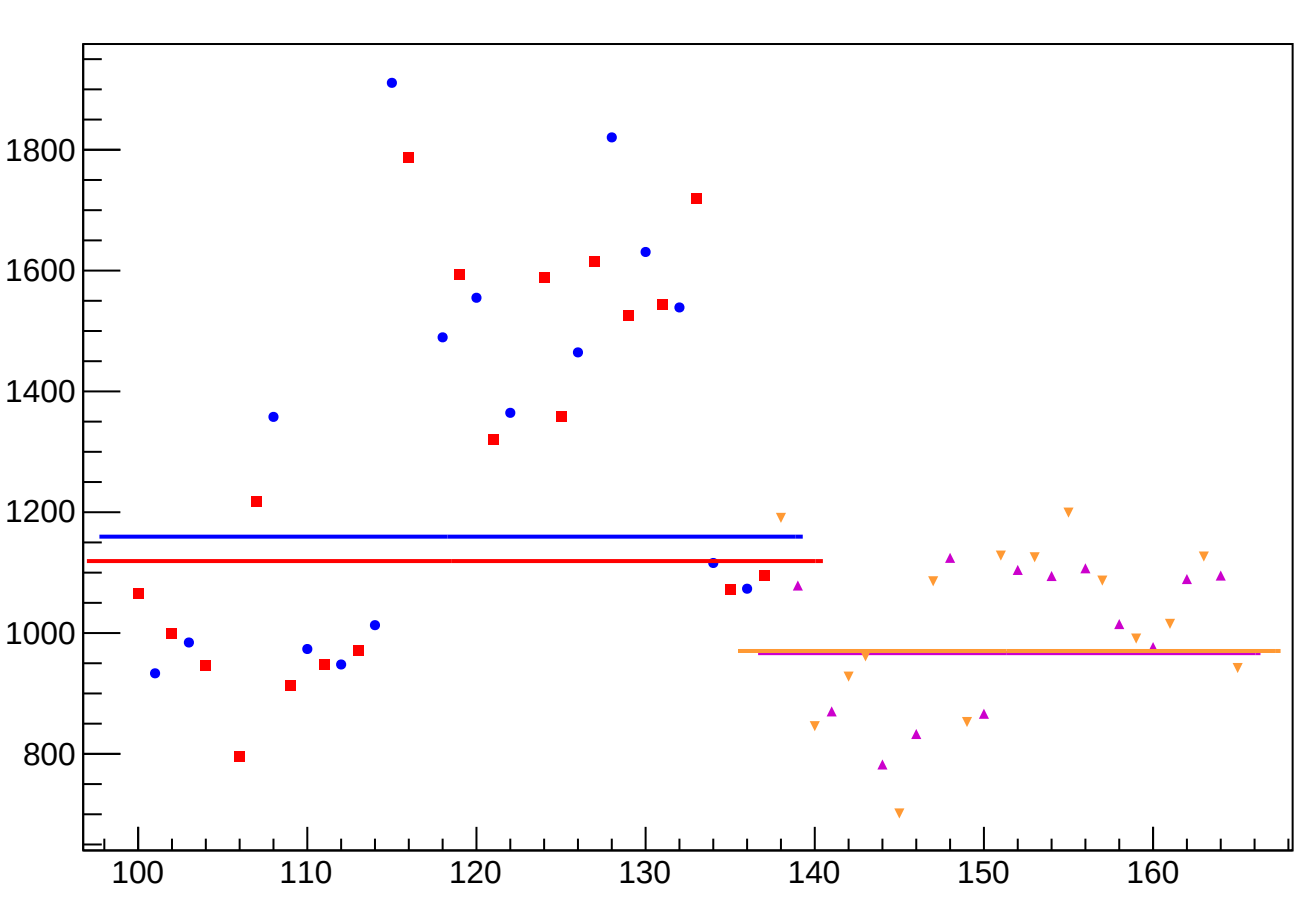
Left: -604.231+/-205.794 χ^2/NDF: 51.4/27

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 215.914+/-246.086 χ^2/NDF:30.5/28

Out: -726.220+/-237.417 χ^2/NDF:60.5/33

All: -272.041+/-170.862 χ^2/NDF: 98.6/62



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 970.306+/-0.203 χ^2/NDF:558706.5/14

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

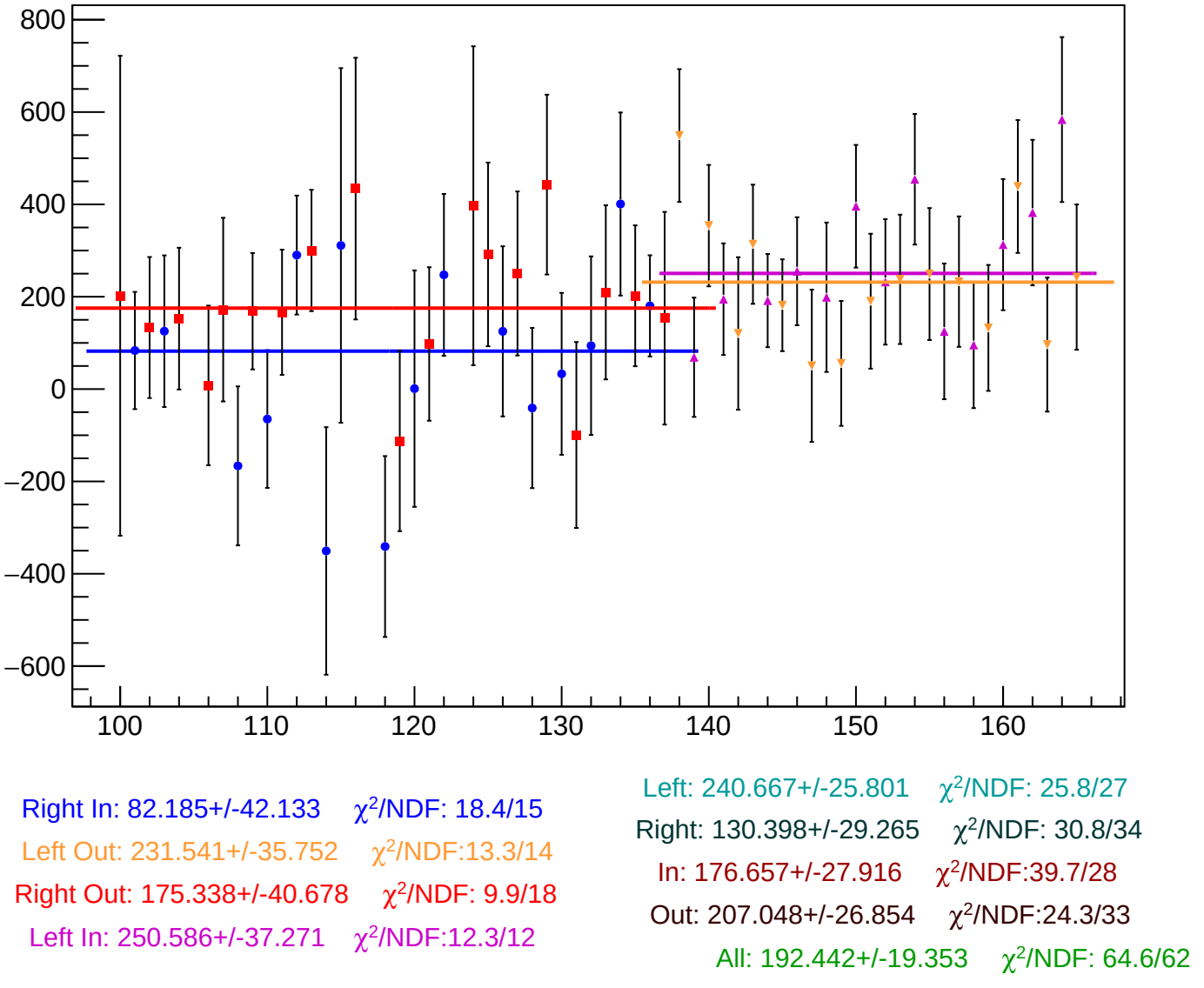
Left: 968.573+/-0.146 χ^2/NDF: 915880.4/27

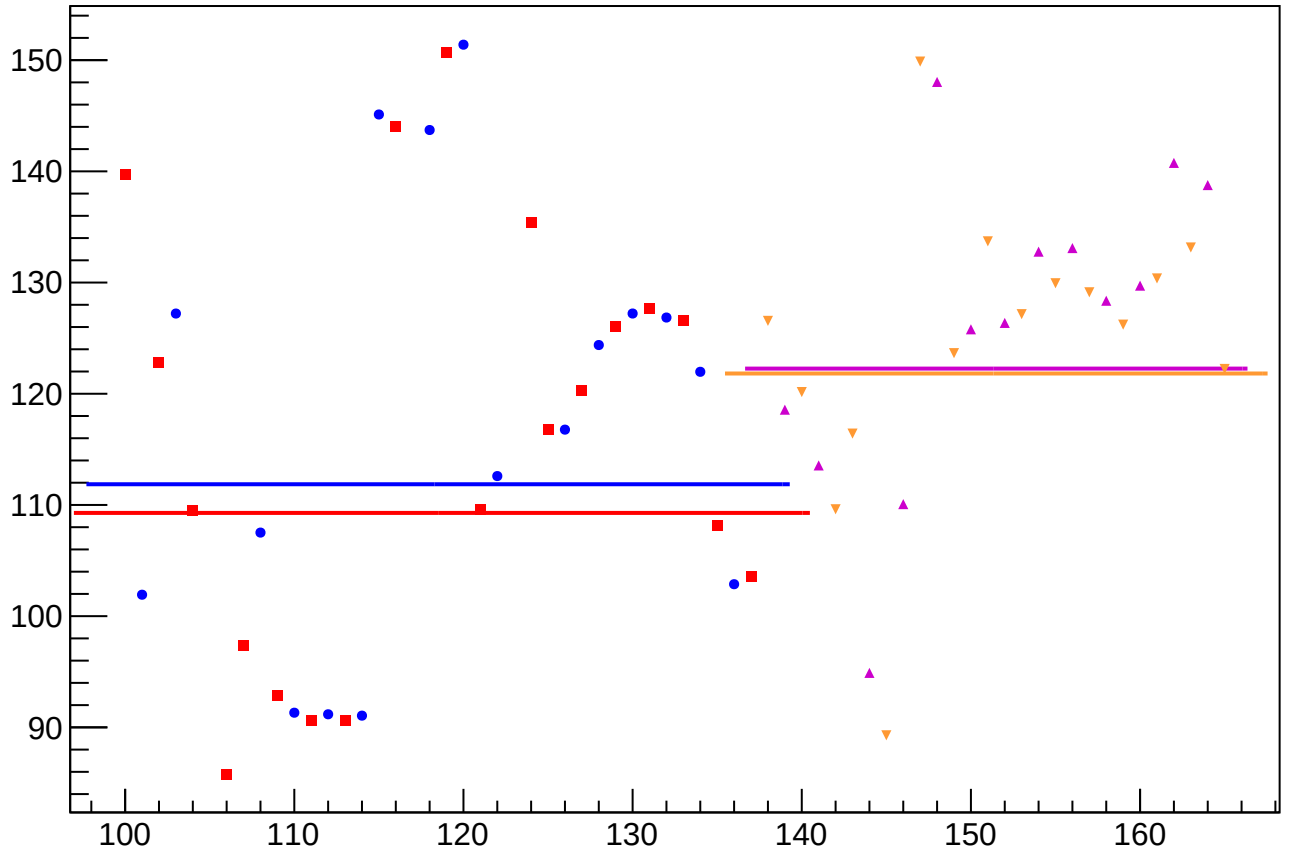
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1025.979+/-0.174 χ^2/NDF:1302109.0/28

Out: 1017.026+/-0.168 χ^2/NDF:1531162.0/33

All: 1021.342+/-0.121 χ^2/NDF: 2834642.1/62


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
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 231.541+/-35.752 χ²/NDF:13.3/14
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 250.586+/-37.271 χ²/NDF:12.3/12
Left: 240.667+/-25.801 χ²/NDF: 25.8/27
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 176.657+/-27.916 χ²/NDF:39.7/28
Out: 207.048+/-26.854 χ²/NDF:24.3/33
All: 192.442+/-19.353 χ²/NDF: 64.6/62



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

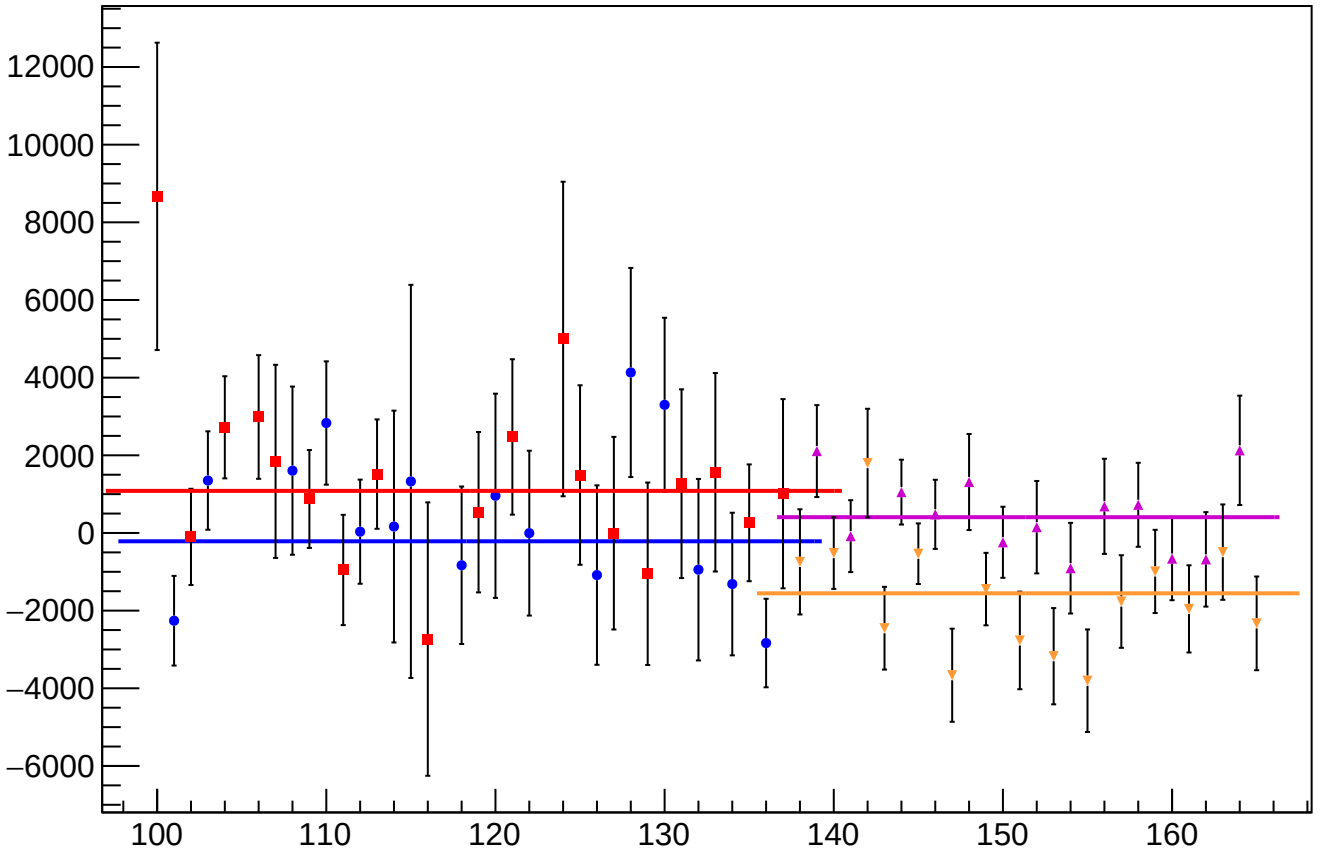
Left: 122.032+/-0.018 χ^2/NDF: 649511.9/27

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.696+/-0.020 χ^2/NDF:685267.1/28

Out: 116.357+/-0.019 χ^2/NDF:816372.4/33

All: 117.001+/-0.014 χ^2/NDF: 1504029.7/62



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1554.286+/-286.621 χ^2/NDF:20.0/14

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 406.705+/-295.662 χ^2/NDF:8.7/12

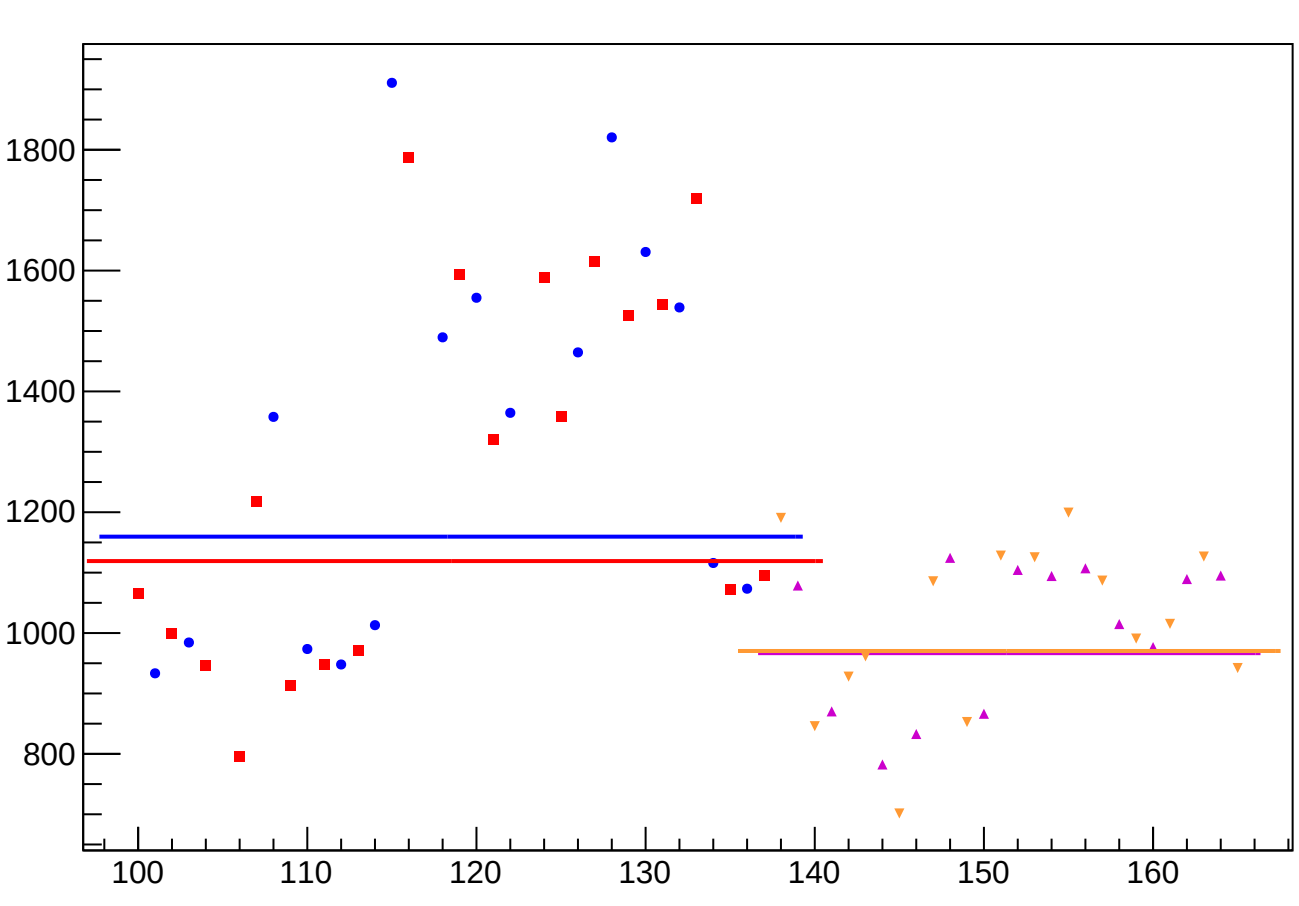
Left: -604.231+/-205.794 χ^2/NDF: 51.4/27

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 215.914+/-246.086 χ^2/NDF:30.5/28

Out: -726.220+/-237.417 χ^2/NDF:60.5/33

All: -272.041+/-170.862 χ^2/NDF: 98.6/62



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 970.306+/-0.203 χ^2/NDF:558706.5/14

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

Left: 968.573+/-0.146 χ^2/NDF: 915880.4/27

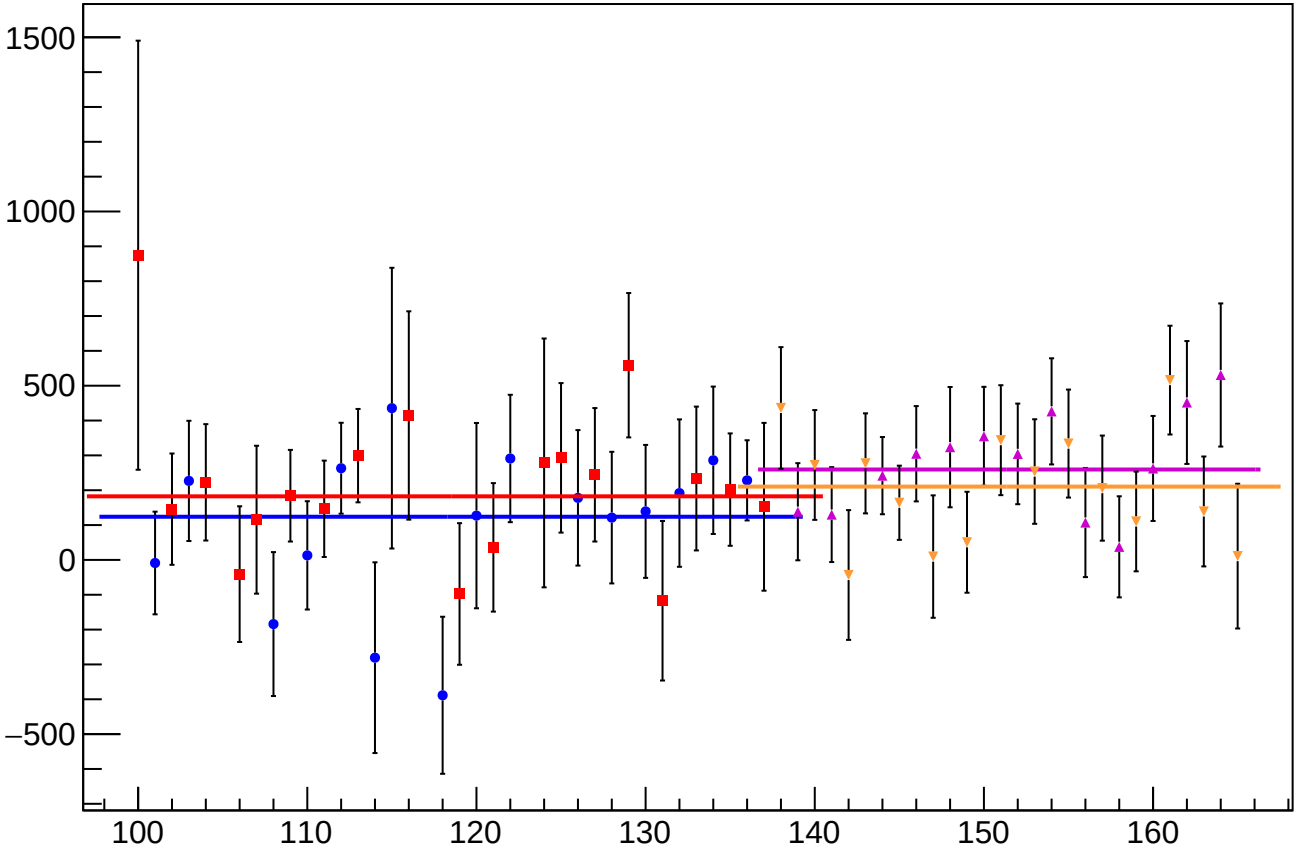
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1025.979+/-0.174 χ^2/NDF:1302109.0/28

Out: 1017.026+/-0.168 χ^2/NDF:1531162.0/33

All: 1021.342+/-0.121 χ^2/NDF: 2834642.1/62

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.416+/-39.461 χ^2/NDF:13.5/14

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 259.480+/-40.732 χ^2/NDF:9.9/12

Left: 234.171+/-28.342 χ^2/NDF: 24.1/27

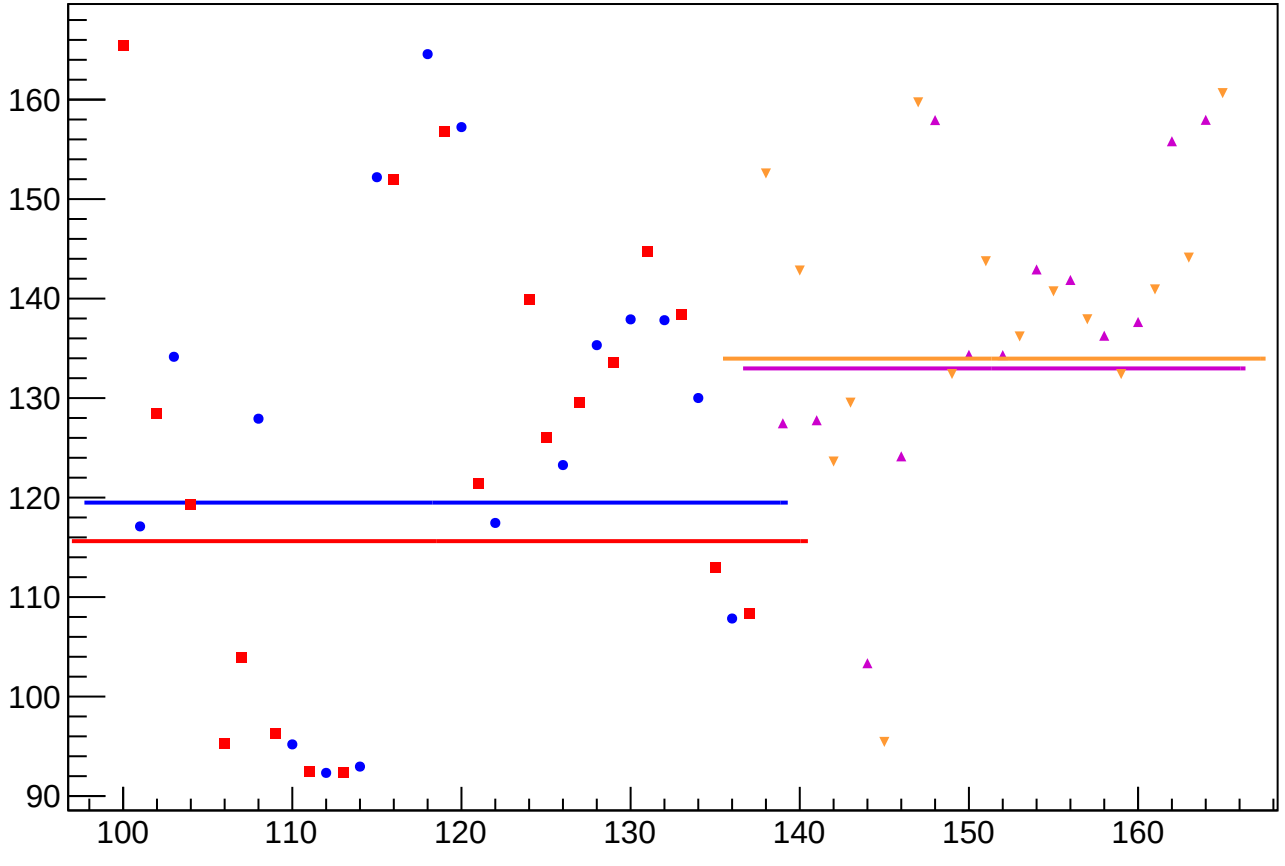
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 198.773+/-30.270 χ^2/NDF:30.3/28

Out: 197.711+/-29.143 χ^2/NDF:26.0/33

All: 198.222+/-20.994 χ^2/NDF: 56.3/62

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.967+/-0.028 χ^2/NDF:401026.6/14

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.981+/-0.029 χ^2/NDF:280619.2/12

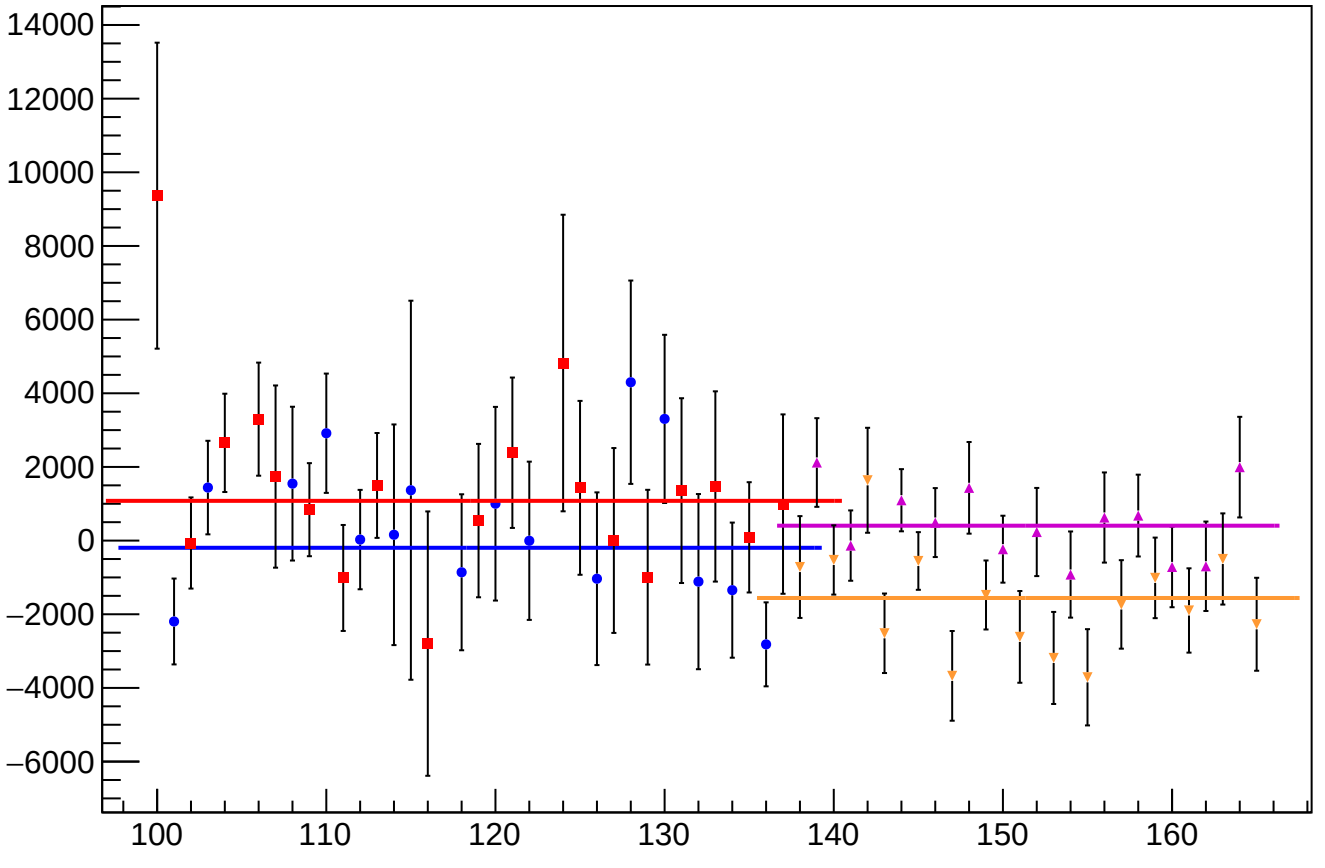
Left: 133.490+/-0.020 χ^2/NDF: 682249.8/27

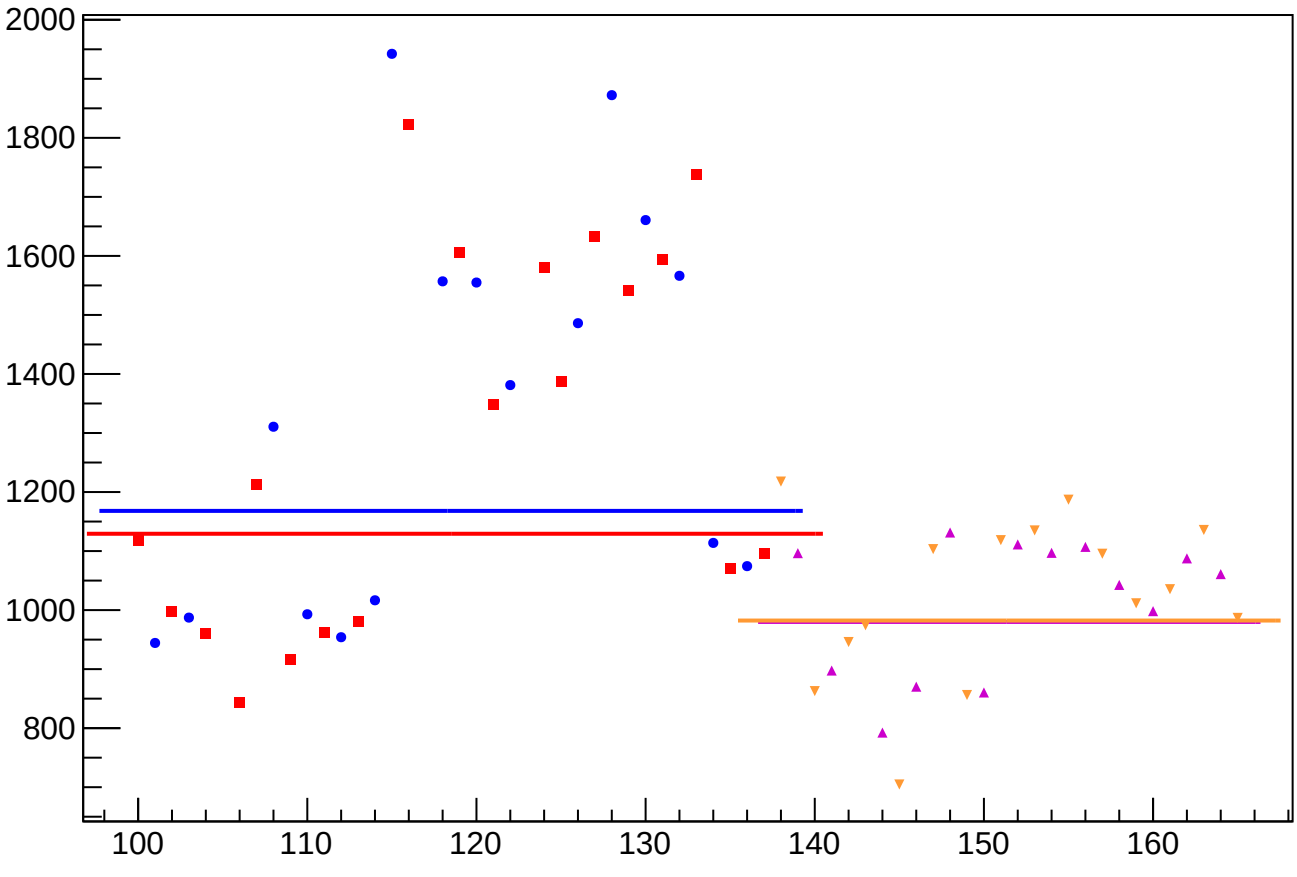
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.943+/-0.021 χ^2/NDF:759039.0/28

Out: 125.627+/-0.021 χ^2/NDF:1024477.6/33

All: 126.260+/-0.015 χ^2/NDF: 1785476.4/62


asym_sam_48_dd_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
Right In: -195.086+/-447.334 χ²/NDF: 20.4/15
Left Out: -1558.161+/-289.995 χ²/NDF:18.6/14
Right Out: 1079.393+/-425.950 χ²/NDF: 14.6/18
Left In: 404.744+/-299.540 χ²/NDF:8.8/12
Left: -608.482+/-208.350 χ²/NDF: 49.6/27
Right: 473.342+/-308.475 χ²/NDF: 39.2/34
In: 219.052+/-248.894 χ²/NDF:30.5/28
Out: -722.812+/-239.713 χ²/NDF:59.4/33
All: -269.570+/-172.657 χ²/NDF: 97.3/62



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 982.307+/-0.205 χ^2/NDF:556263.8/14

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 979.945+/-0.212 χ^2/NDF:319284.0/12

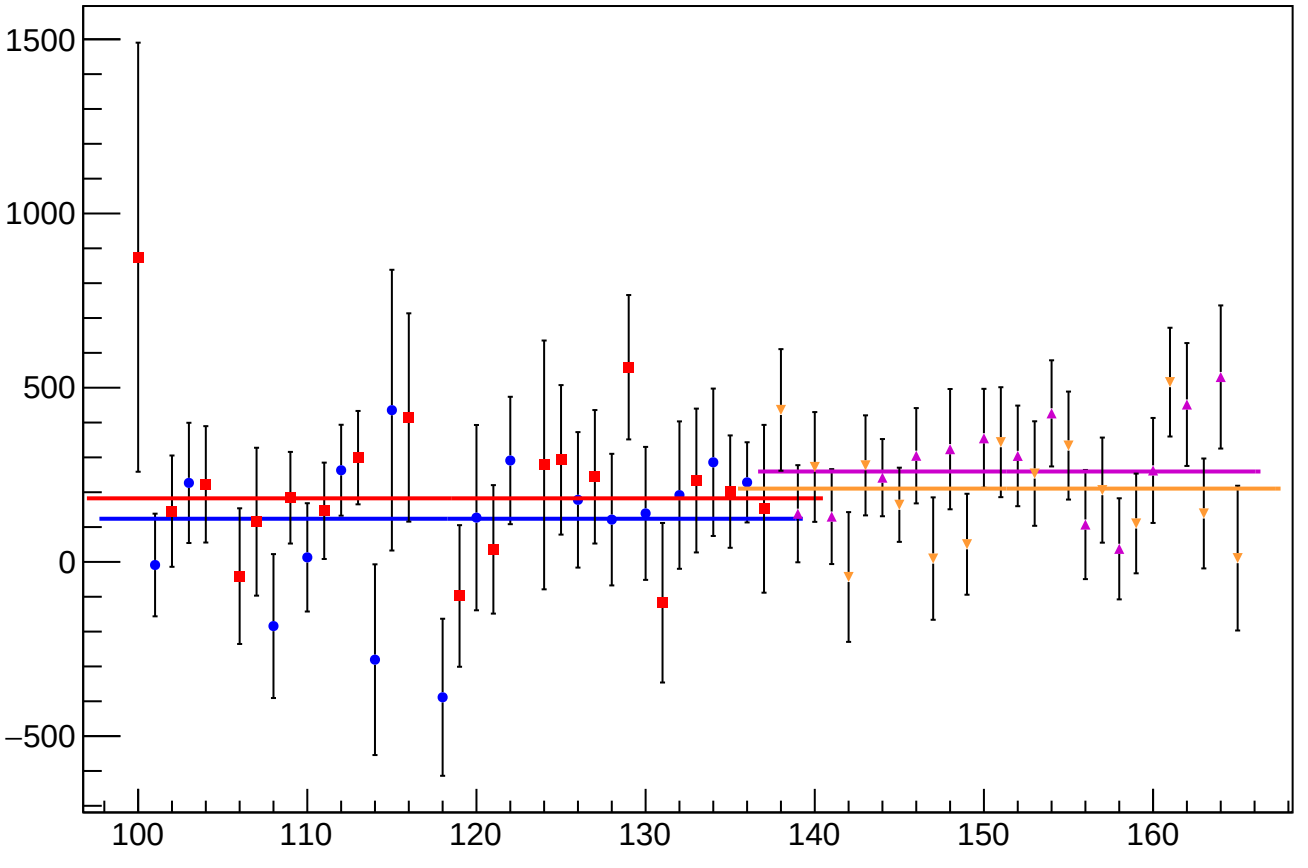
Left: 981.164+/-0.147 χ^2/NDF: 875612.0/27

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1038.182+/-0.176 χ^2/NDF:1272845.3/28

Out: 1028.867+/-0.170 χ^2/NDF:1526268.1/33

All: 1033.349+/-0.122 χ^2/NDF: 2800566.6/62



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.418+/-39.461 χ^2/NDF:13.5/14

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 259.481+/-40.732 χ^2/NDF:9.9/12

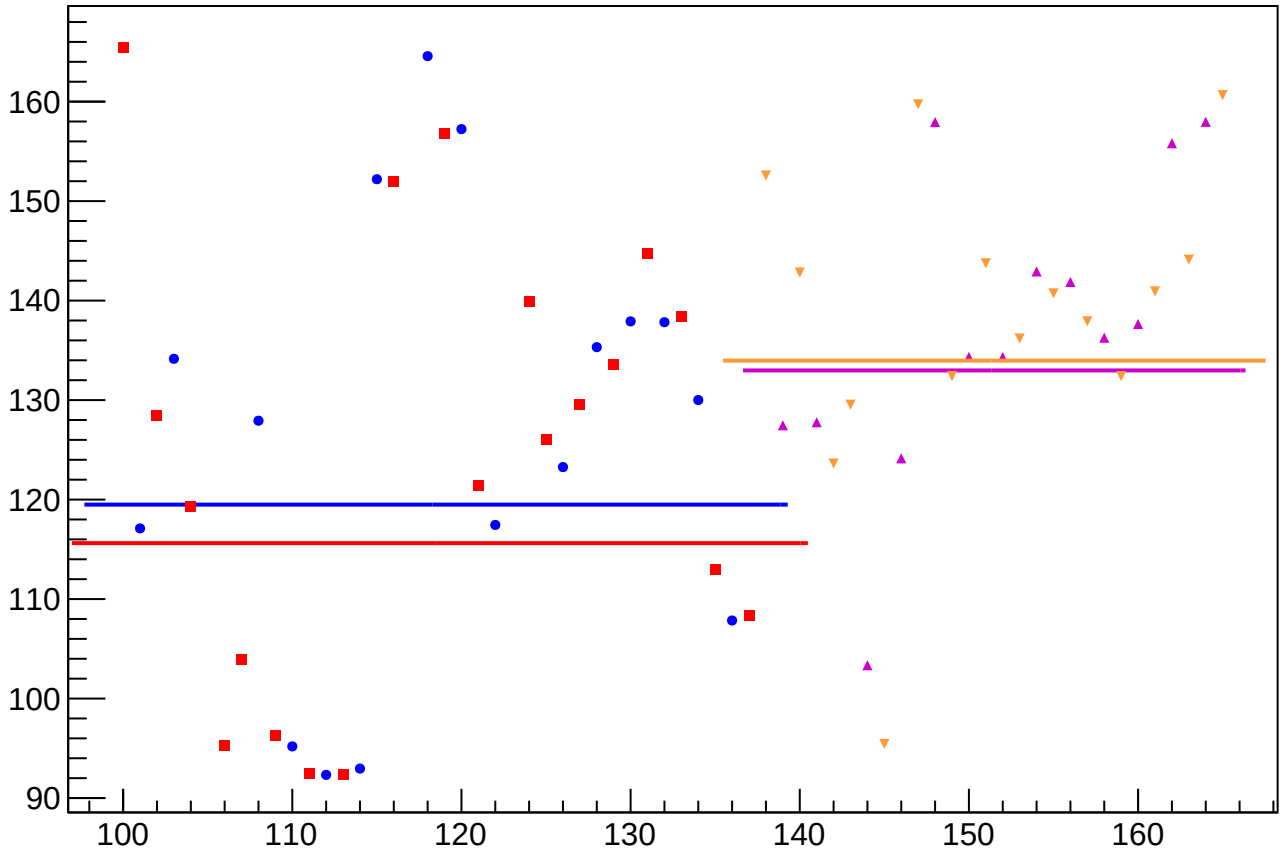
Left: 234.172+/-28.342 χ^2/NDF: 24.1/27

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 198.774+/-30.270 χ^2/NDF:30.3/28

Out: 197.712+/-29.143 χ^2/NDF:26.0/33

All: 198.223+/-20.994 χ^2/NDF: 56.3/62



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.967+/-0.028 χ^2/NDF:401027.0/14

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.981+/-0.029 χ^2/NDF:280618.0/12

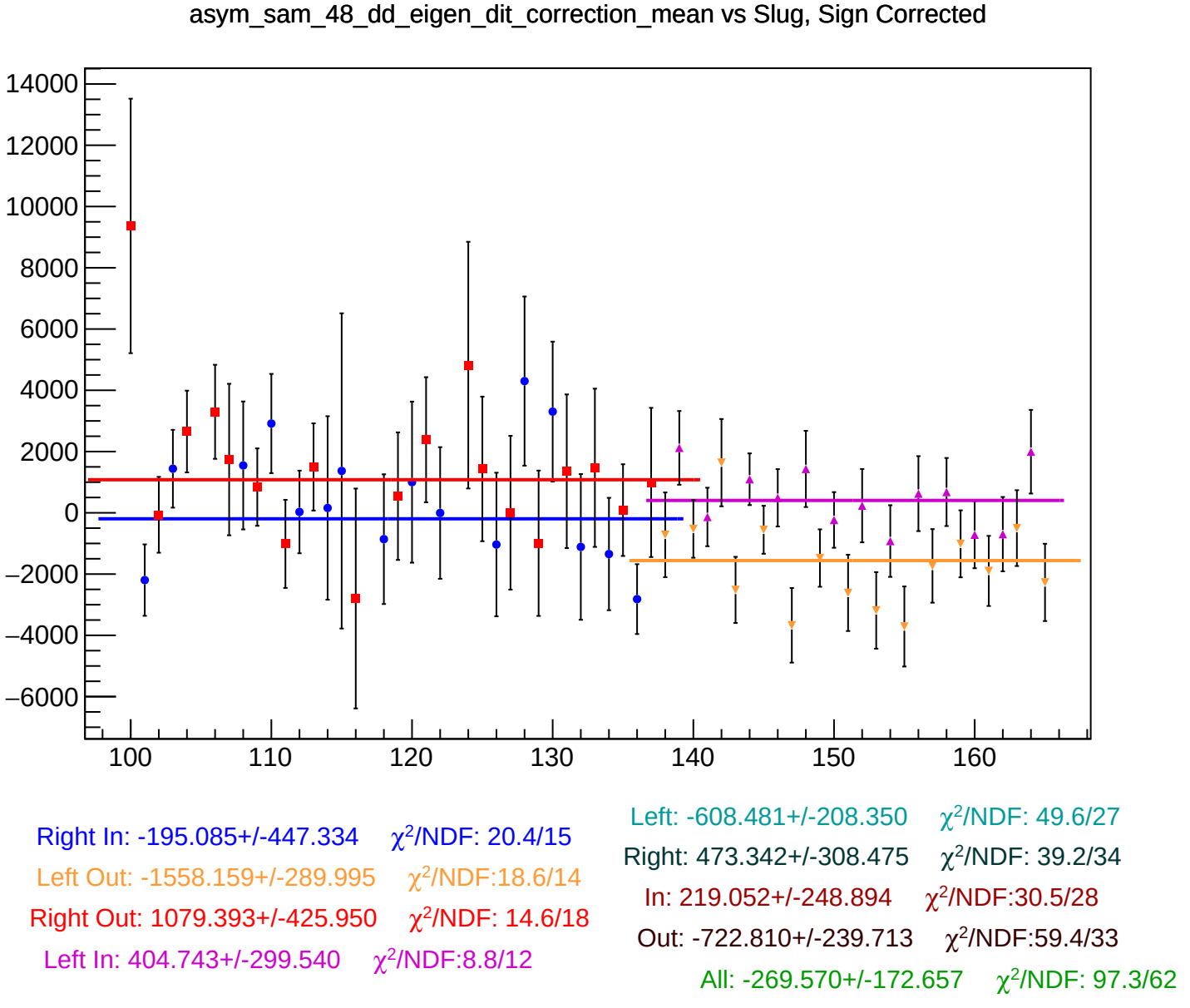
Left: 133.490+/-0.020 χ^2/NDF: 682249.0/27

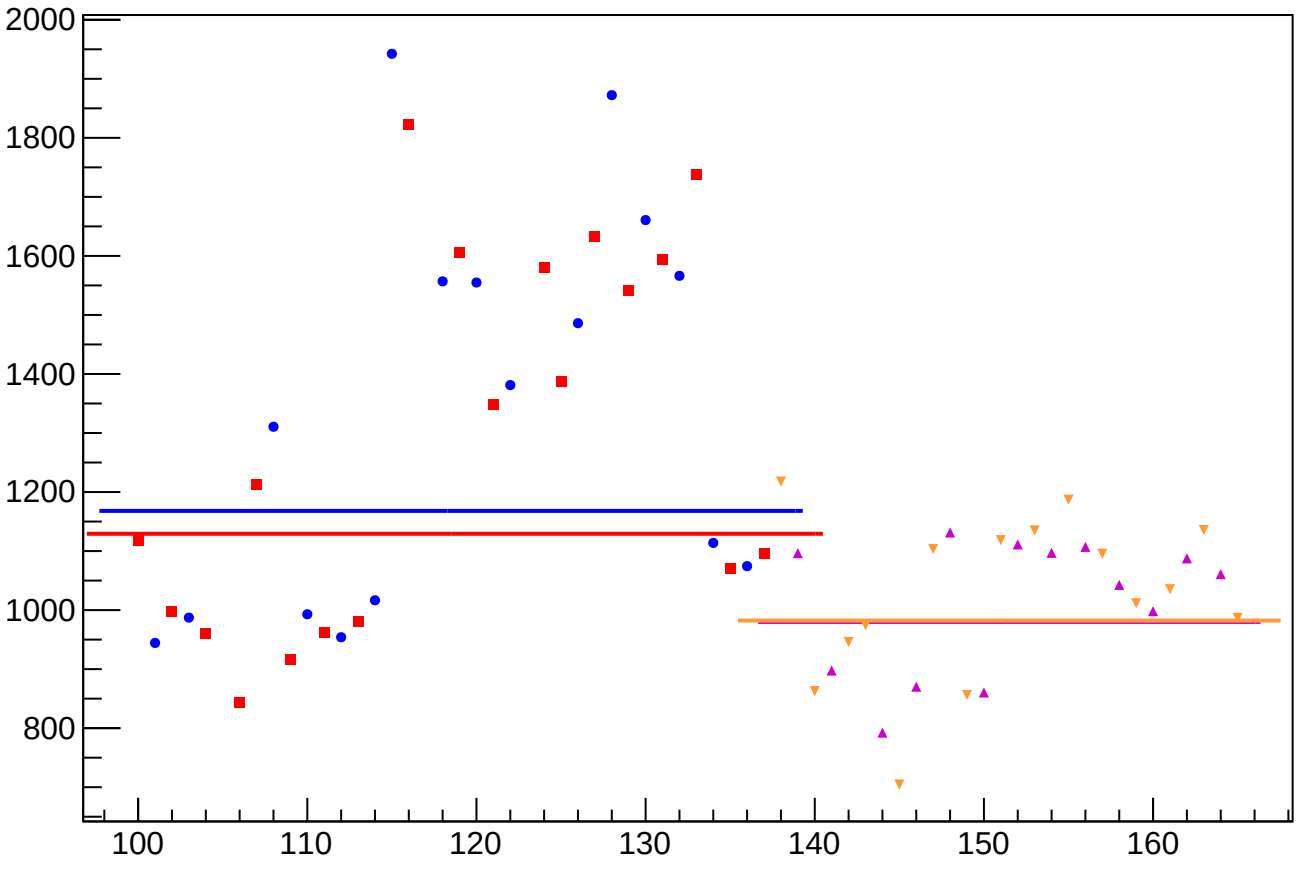
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 126.943+/-0.021 χ^2/NDF:759042.2/28

Out: 125.627+/-0.021 χ^2/NDF:1024485.5/33

All: 126.260+/-0.015 χ^2/NDF: 1785487.6/62


asym_sam_48_dd_eigen_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
Right In: -195.085+/-447.334 χ²/NDF: 20.4/15
Left Out: -1558.159+/-289.995 χ²/NDF:18.6/14
Right Out: 1079.393+/-425.950 χ²/NDF: 14.6/18
Left In: 404.743+/-299.540 χ²/NDF:8.8/12
Left: -608.481+/-208.350 χ²/NDF: 49.6/27
Right: 473.342+/-308.475 χ²/NDF: 39.2/34
In: 219.052+/-248.894 χ²/NDF:30.5/28
Out: -722.810+/-239.713 χ²/NDF:59.4/33
All: -269.570+/-172.657 χ²/NDF: 97.3/62



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 982.306+/-0.205 χ^2/NDF:556267.3/14

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 979.945+/-0.212 χ^2/NDF:319282.3/12

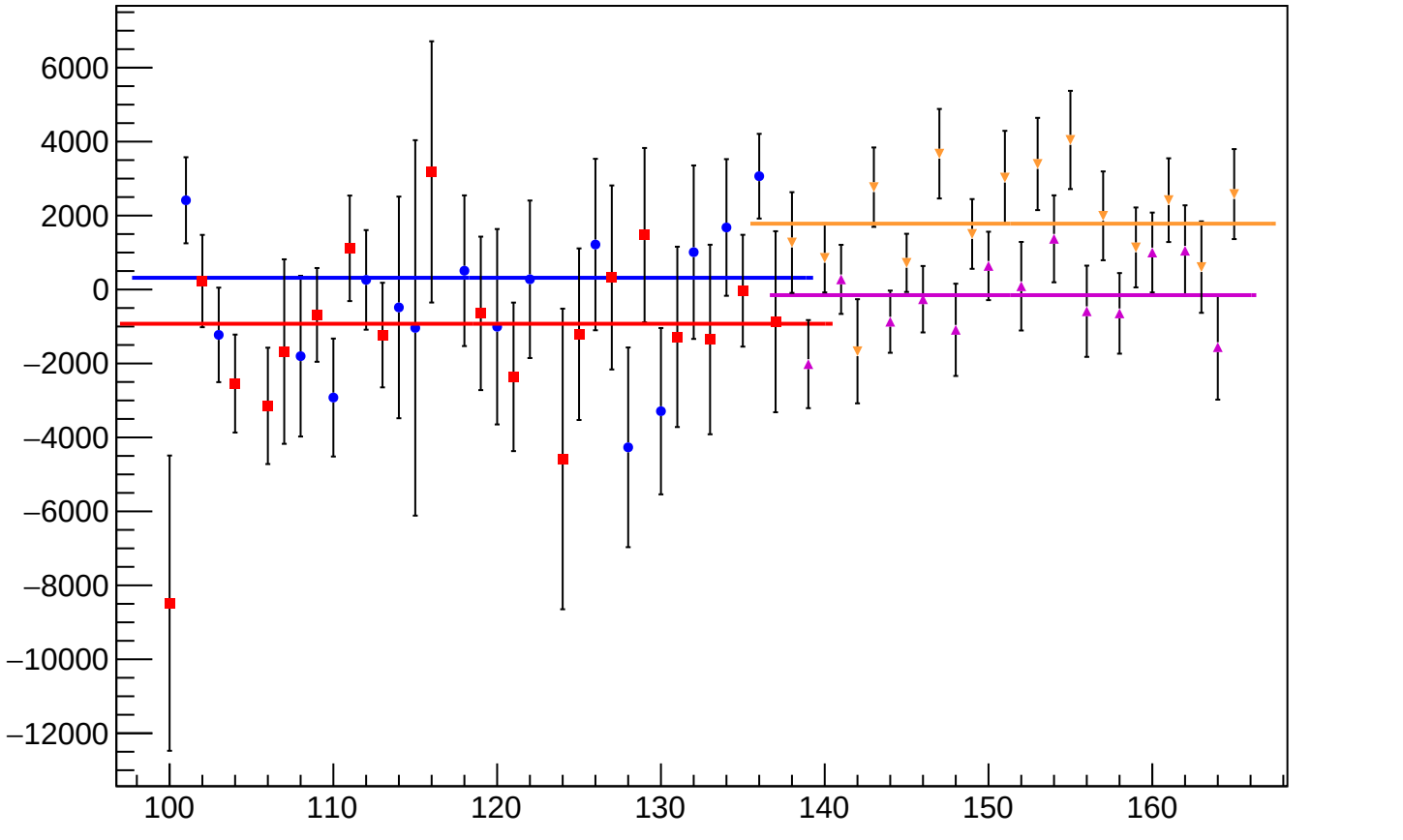
Left: 981.164+/-0.147 χ^2/NDF: 875613.7/27

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1038.181+/-0.176 χ^2/NDF:1272845.7/28

Out: 1028.866+/-0.170 χ^2/NDF:1526273.9/33

All: 1033.349+/-0.122 χ^2/NDF: 2800572.9/62



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1781.113+/-288.958 χ^2/NDF:19.9/14

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -151.922+/-298.099 χ^2/NDF:9.8/12

Left: 844.687+/-207.481 χ^2/NDF: 51.4/27

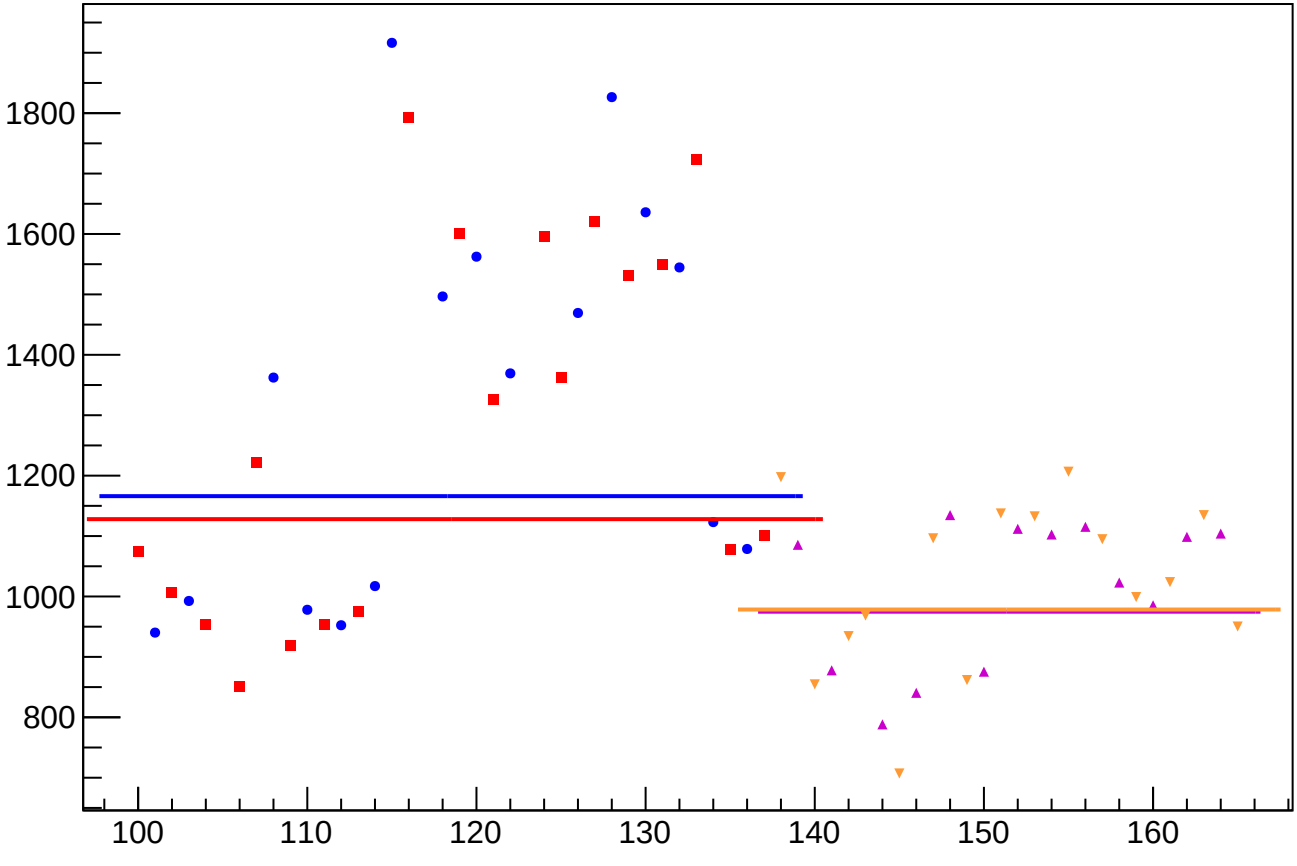
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -7.164+/-247.895 χ^2/NDF:32.8/28

Out: 926.415+/-239.030 χ^2/NDF:62.1/33

All: 476.617+/-172.069 χ^2/NDF: 102.3/62

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 978.397+/-0.204 χ^2/NDF:553447.0/14

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 974.815+/-0.211 χ^2/NDF:354744.4/12

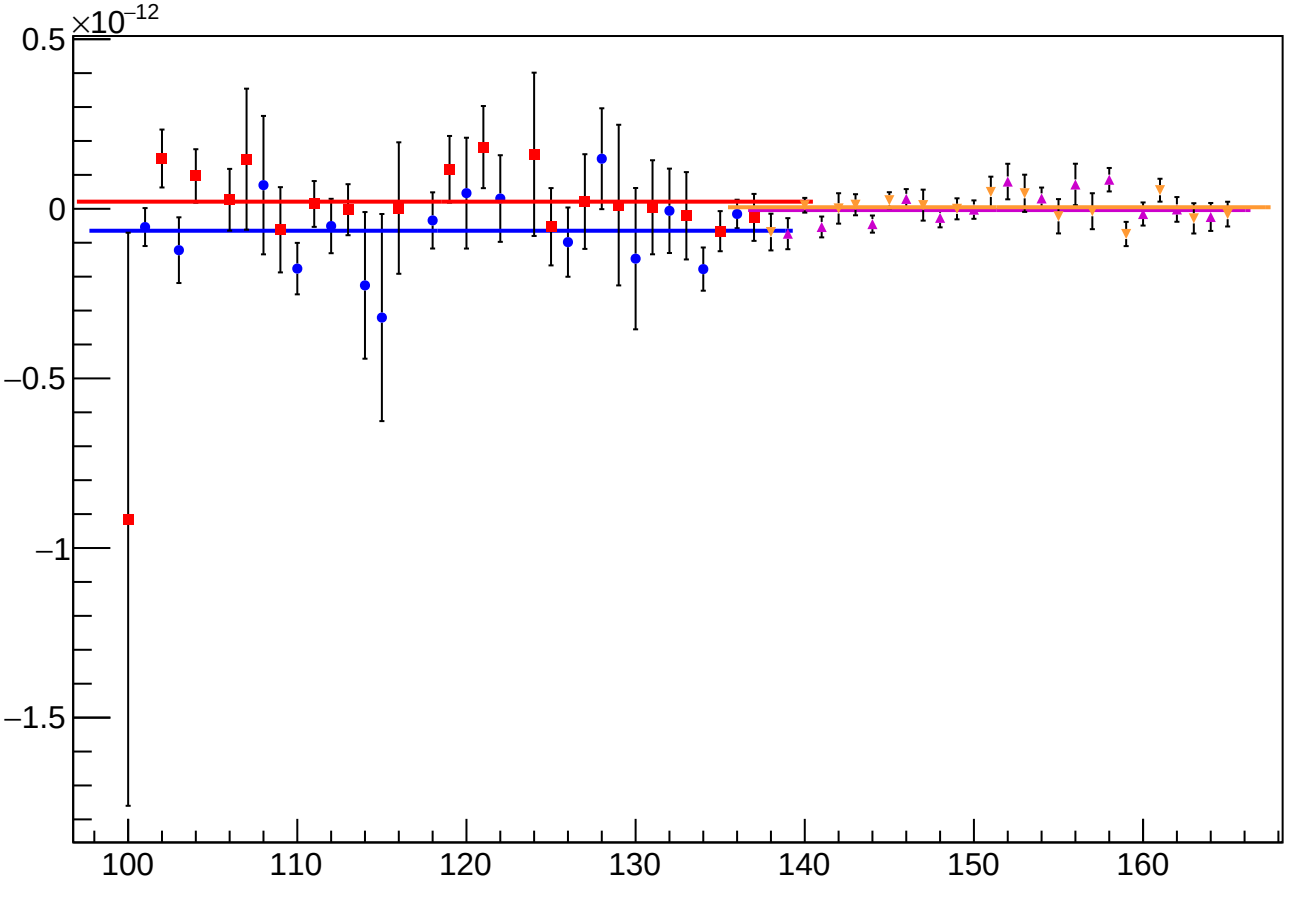
Left: 976.662+/-0.147 χ^2/NDF: 908340.3/27

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1033.806+/-0.175 χ^2/NDF:1285715.1/28

Out: 1025.632+/-0.169 χ^2/NDF:1498482.4/33

All: 1029.570+/-0.122 χ^2/NDF: 2785324.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/12

Left: 0.000+/-0.000 χ^2/NDF: 34.9/27

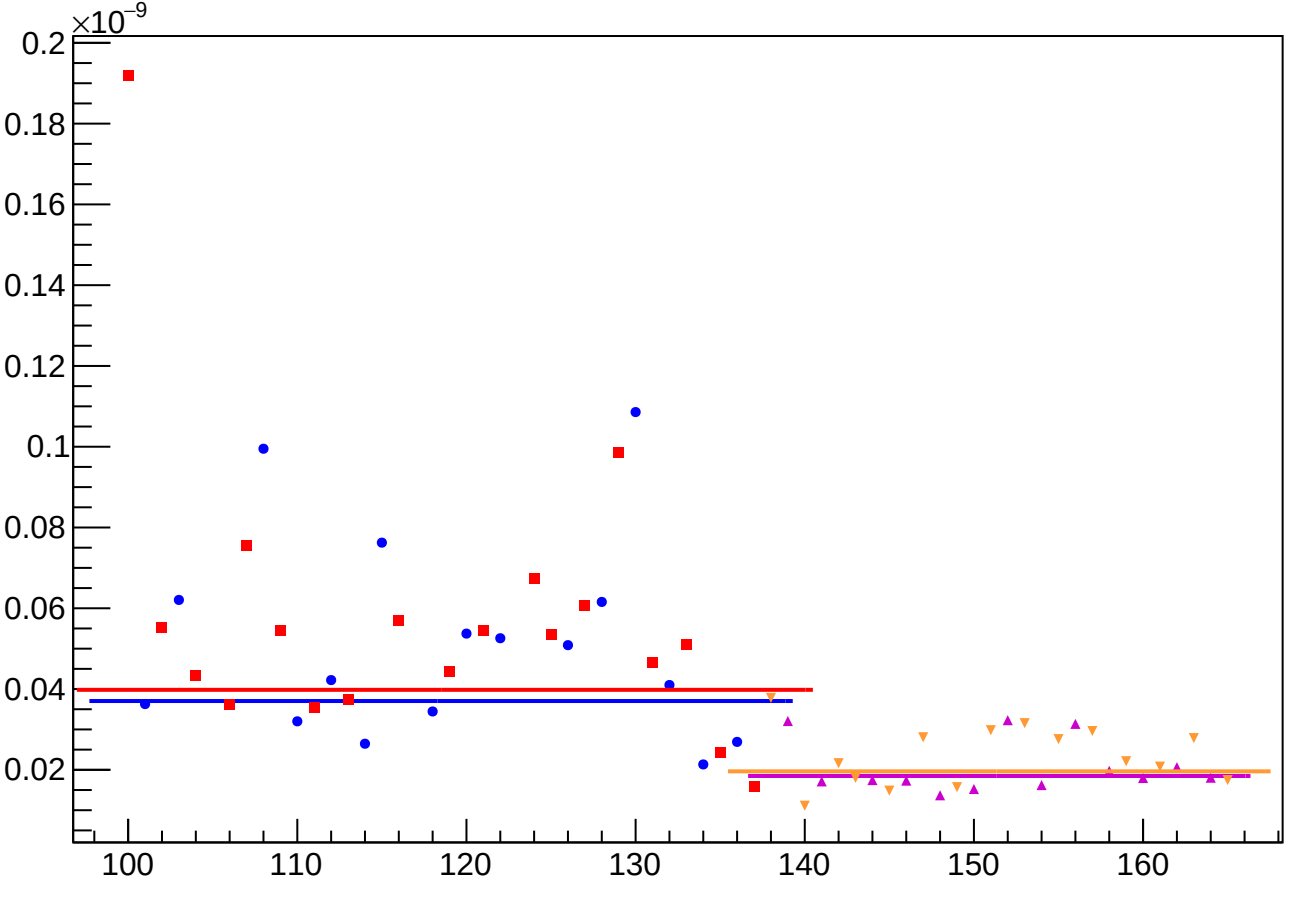
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.0/28

Out: 0.000+/-0.000 χ^2/NDF:24.5/33

All: -0.000+/-0.000 χ^2/NDF: 68.2/62

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1129346.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:521152.3/12

Left: 0.000+/-0.000 χ^2/NDF: 1665919.8/27

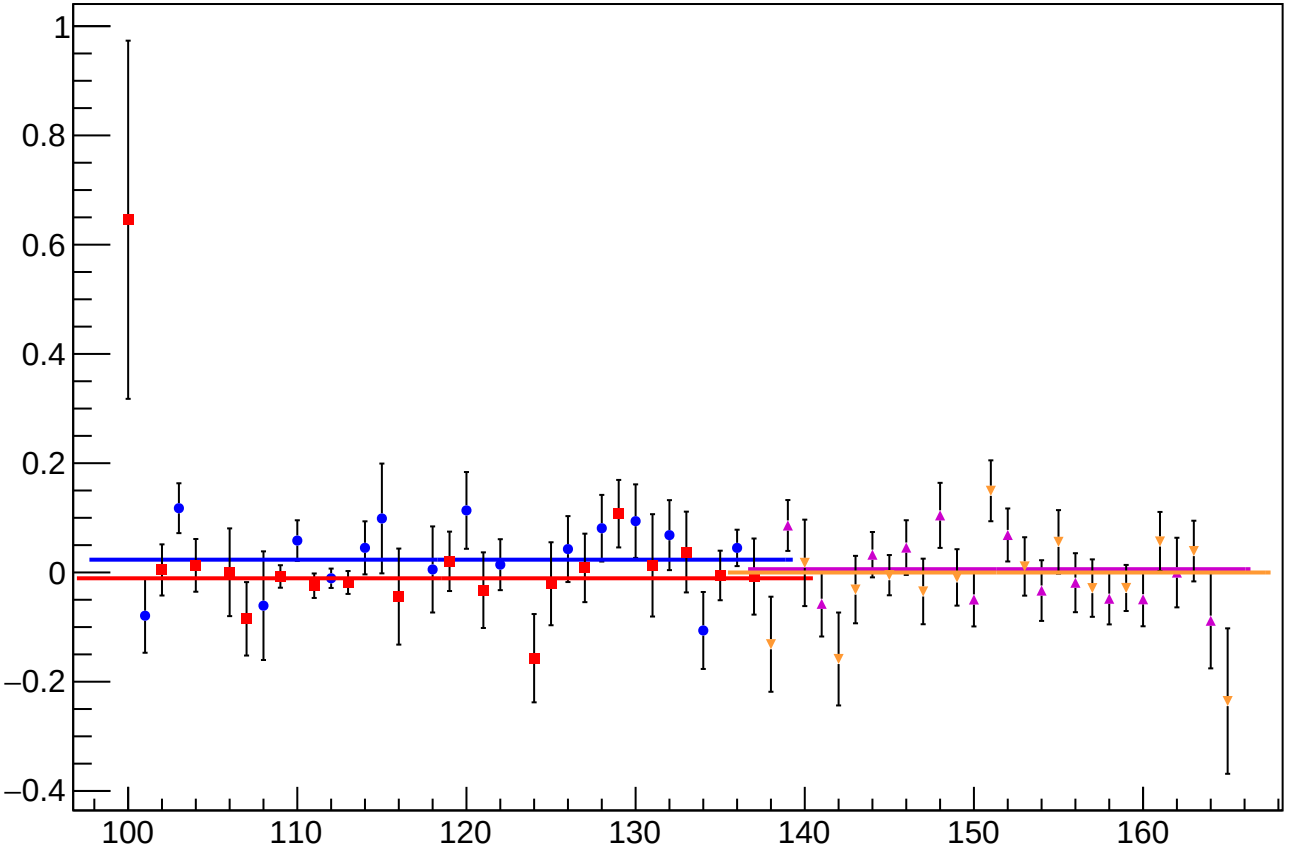
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2739820.6/28

Out: 0.000+/-0.000 χ^2/NDF:3349268.5/33

All: 0.000+/-0.000 χ^2/NDF: 6104684.6/62

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: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

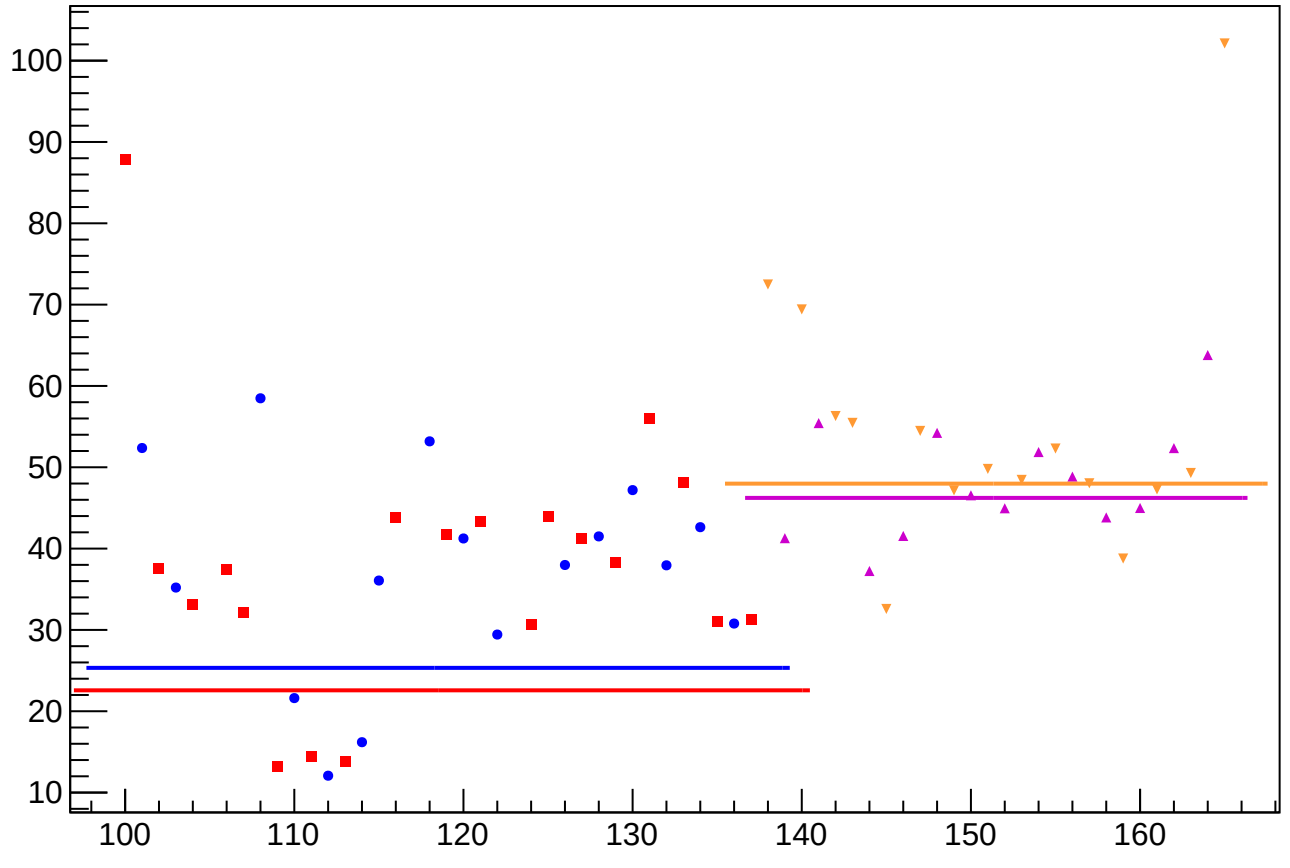
Left: 0.003+/-0.010 χ^2/NDF: 35.4/27

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.7/62



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168070.3/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

Left: 47.106+/-0.007 χ^2/NDF: 1532502.9/27

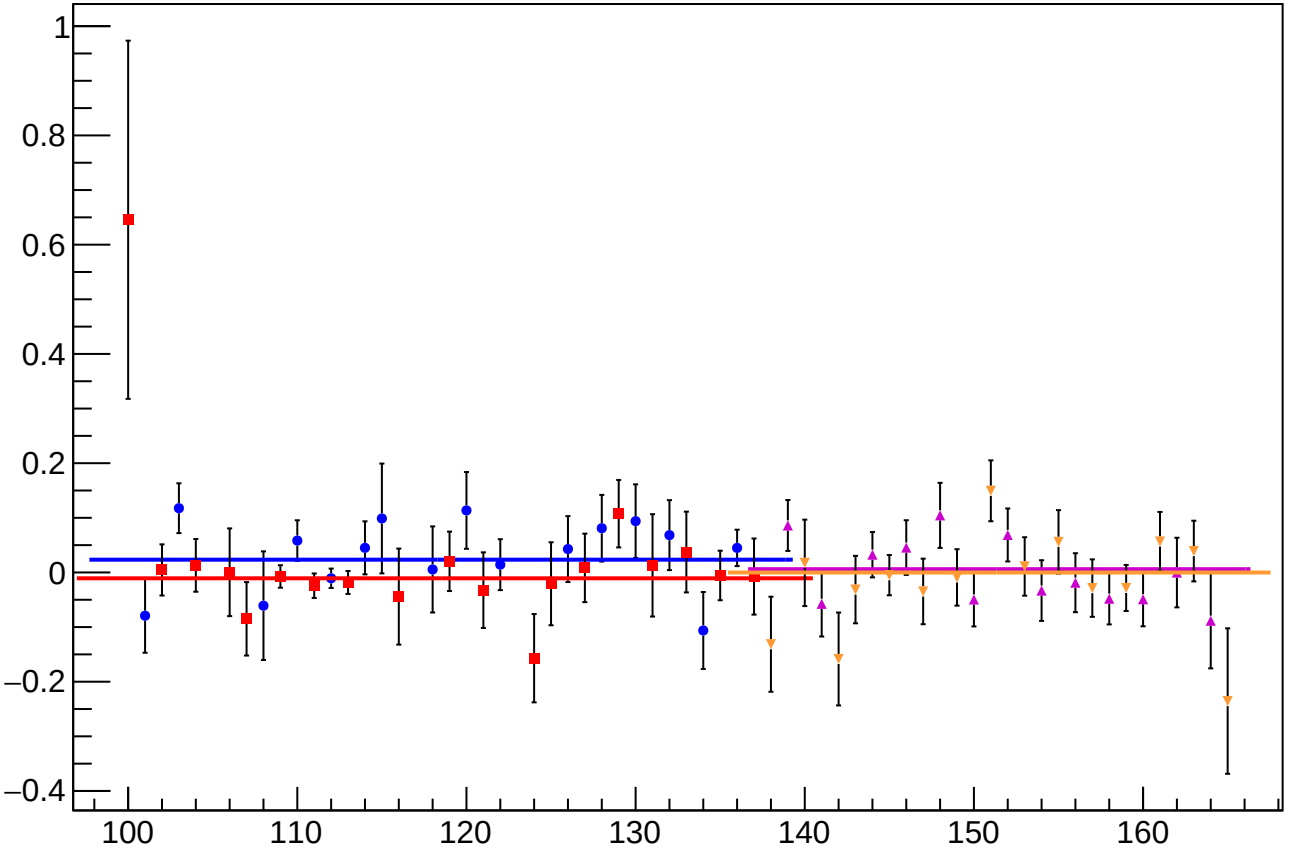
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.015+/-0.006 χ^2/NDF:5895574.2/28

Out: 30.473+/-0.006 χ^2/NDF:8488395.9/33

All: 31.644+/-0.004 χ^2/NDF: 14473877.1/62

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: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

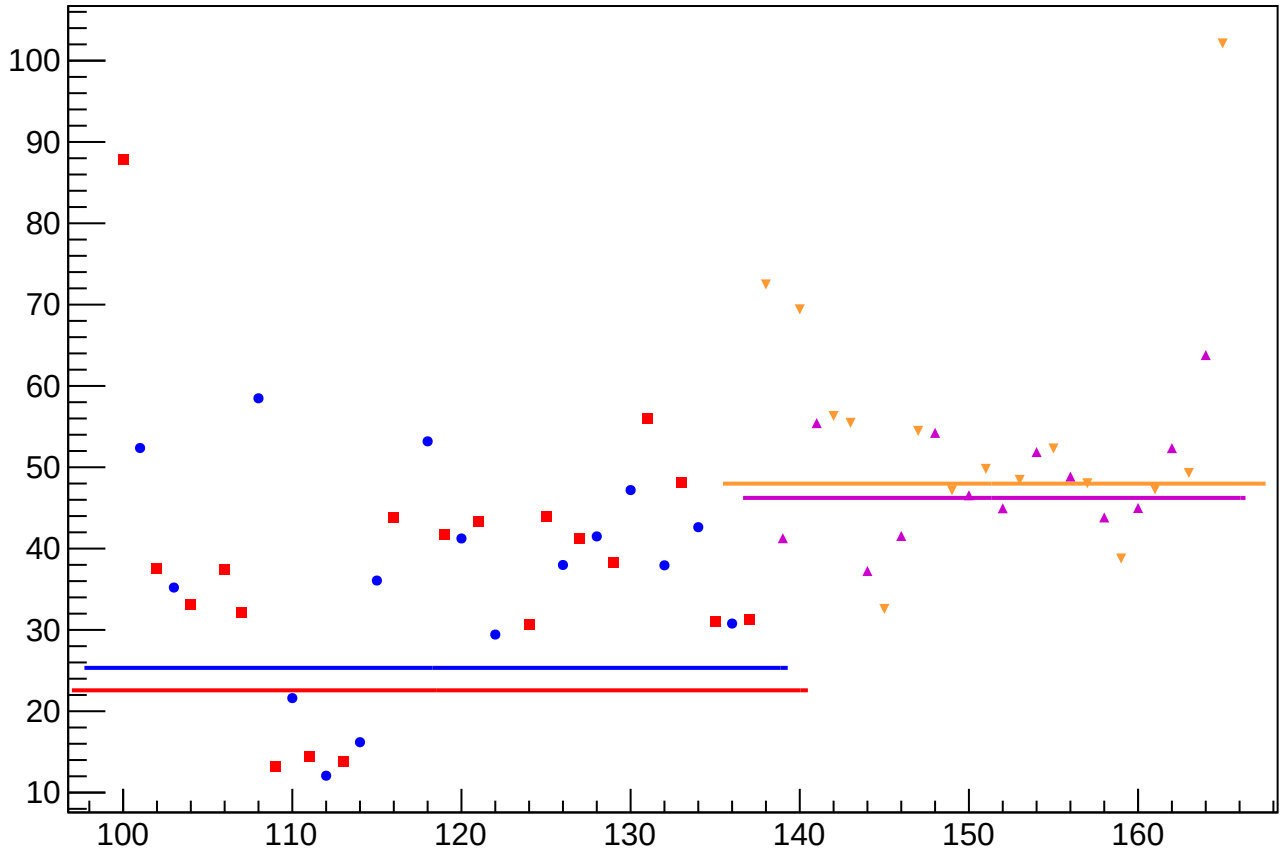
Left: 0.003+/-0.010 χ^2/NDF: 35.4/27

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.7/62



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168070.3/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

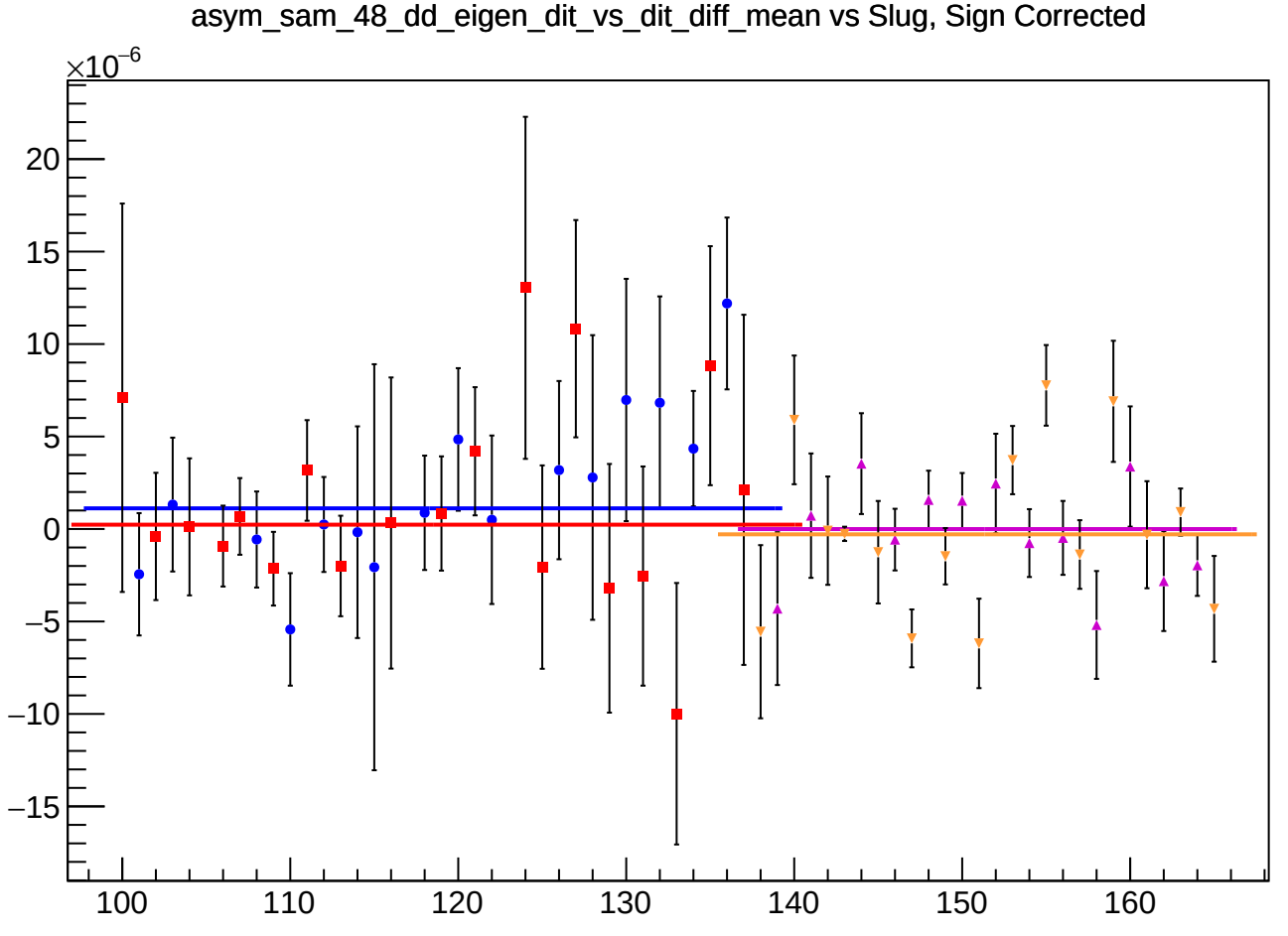
Left: 47.106+/-0.007 χ^2/NDF: 1532502.9/27

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.015+/-0.006 χ^2/NDF:5895574.2/28

Out: 30.473+/-0.006 χ^2/NDF:8488395.9/33

All: 31.644+/-0.004 χ^2/NDF: 14473877.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/12

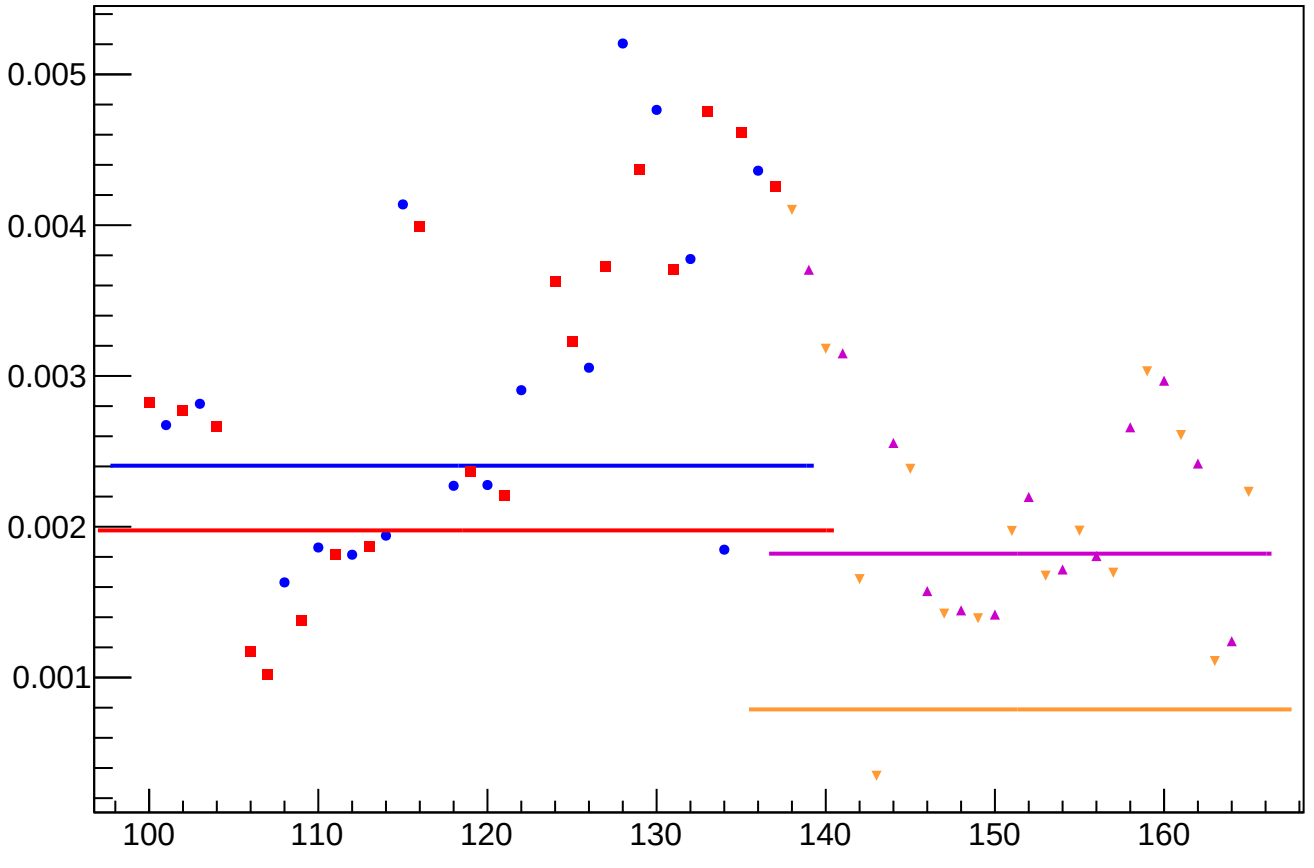
Left: -0.000+/-0.000 χ^2/NDF: 63.4/27

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:30.0/28

Out: -0.000+/-0.000 χ^2/NDF:65.9/33

All: -0.000+/-0.000 χ^2/NDF: 96.7/62



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:10397519.2/14

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1980534.9/12

Left: 0.001+/-0.000 χ^2/NDF: 17143467.2/27

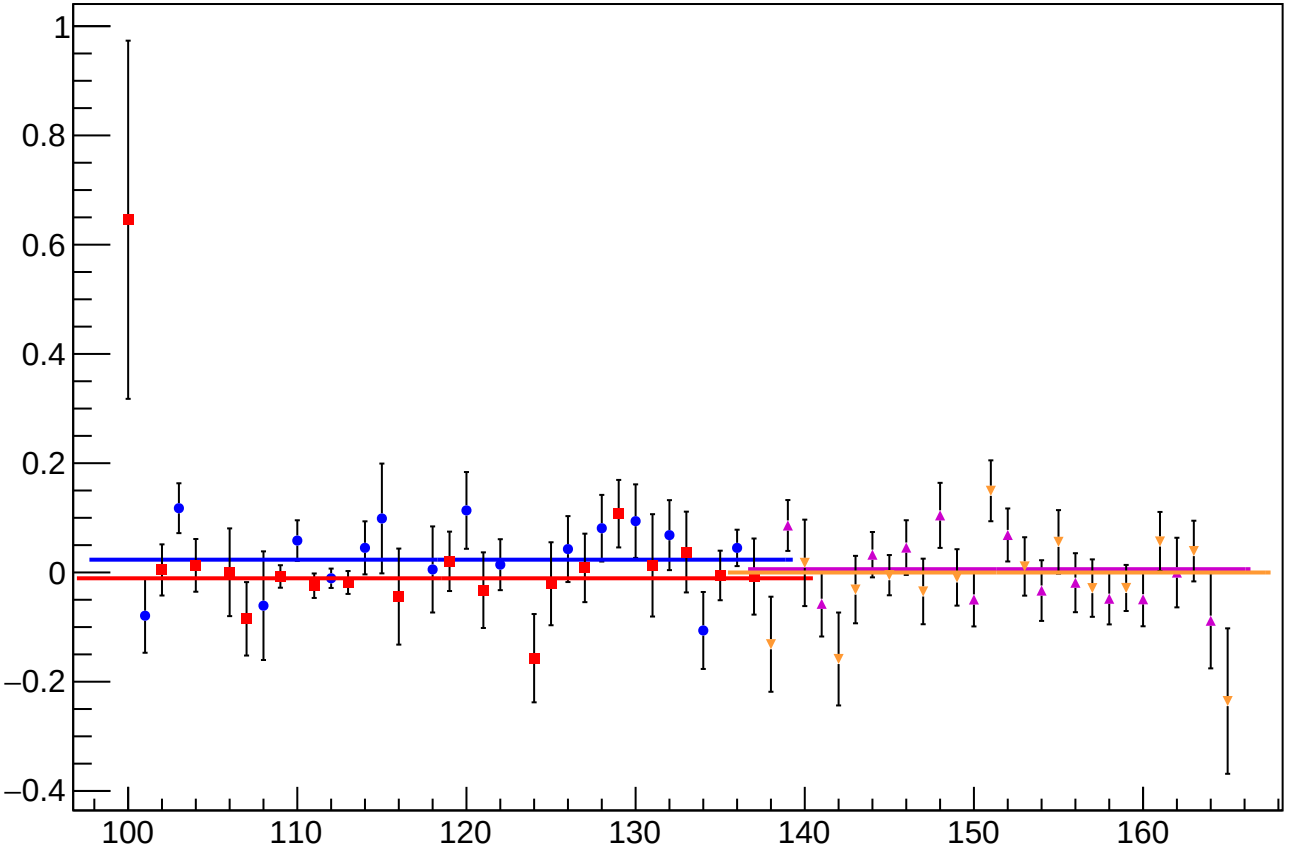
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4093914.8/28

Out: 0.001+/-0.000 χ^2/NDF:16872163.4/33

All: 0.001+/-0.000 χ^2/NDF: 27288848.8/62

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

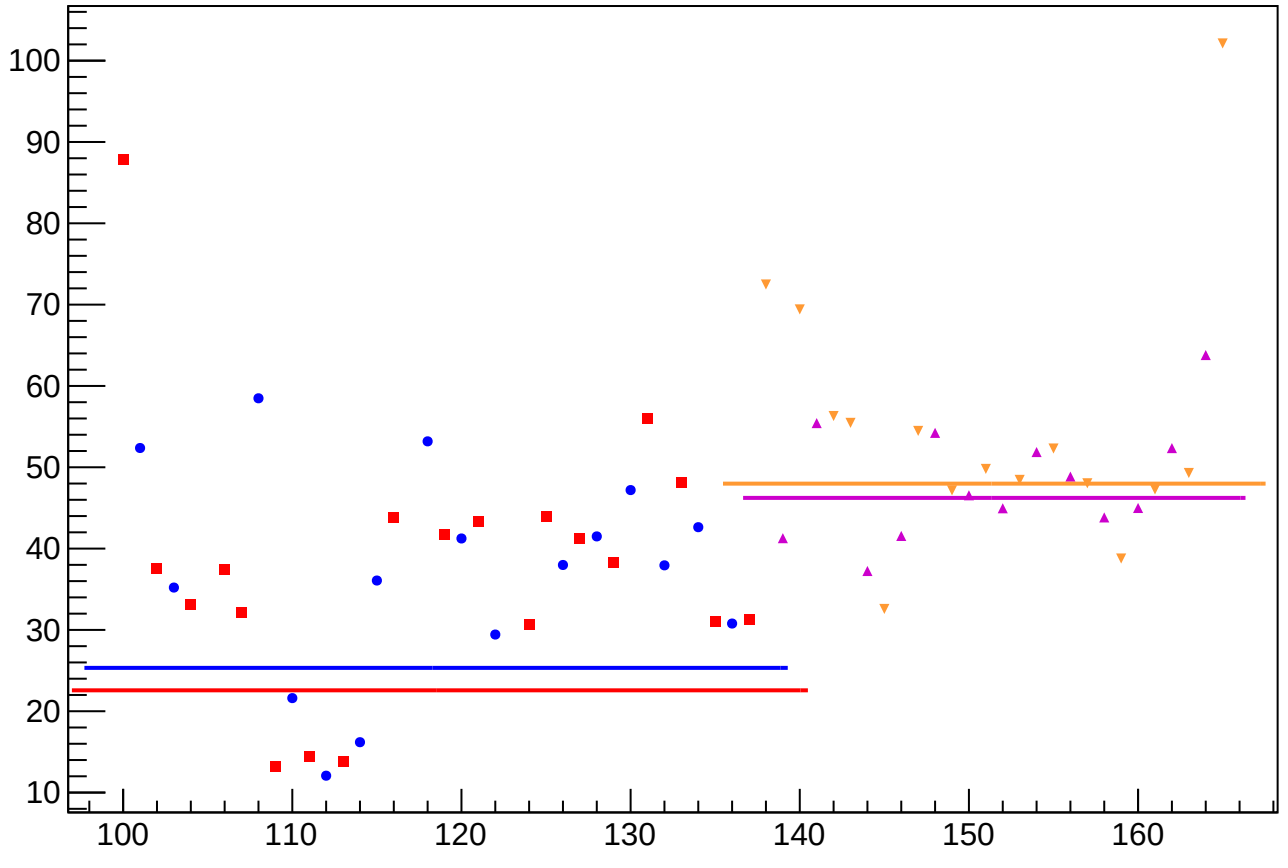
Left: 0.003+/-0.010 χ^2/NDF: 35.4/27

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.7/62



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.988+/-0.010 χ^2/NDF:1168029.6/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

Left: 47.107+/-0.007 χ^2/NDF: 1532454.7/27

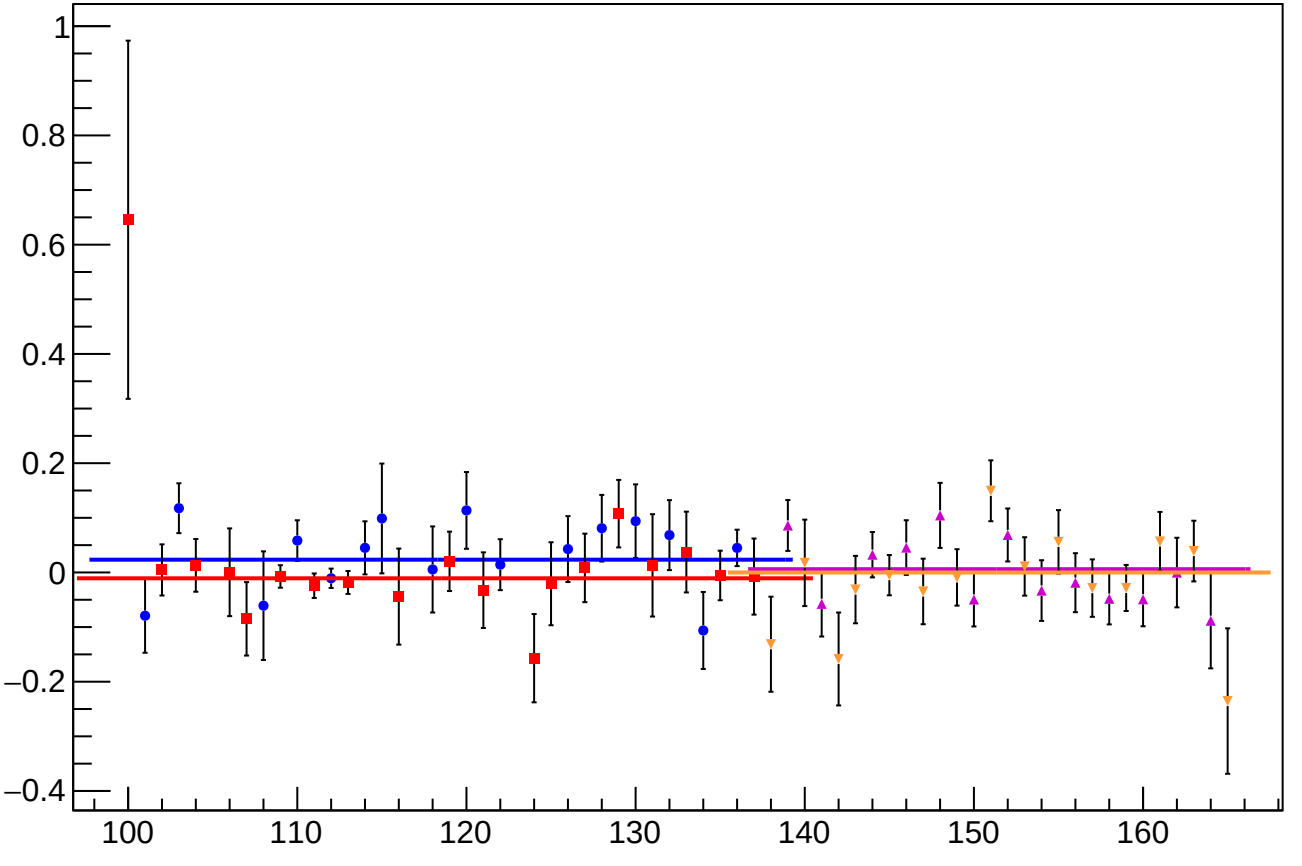
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.014+/-0.006 χ^2/NDF:5896476.0/28

Out: 30.473+/-0.006 χ^2/NDF:8488738.7/33

All: 31.643+/-0.004 χ^2/NDF: 14475067.8/62

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: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

Left: 0.003+/-0.010 χ^2/NDF: 35.4/27

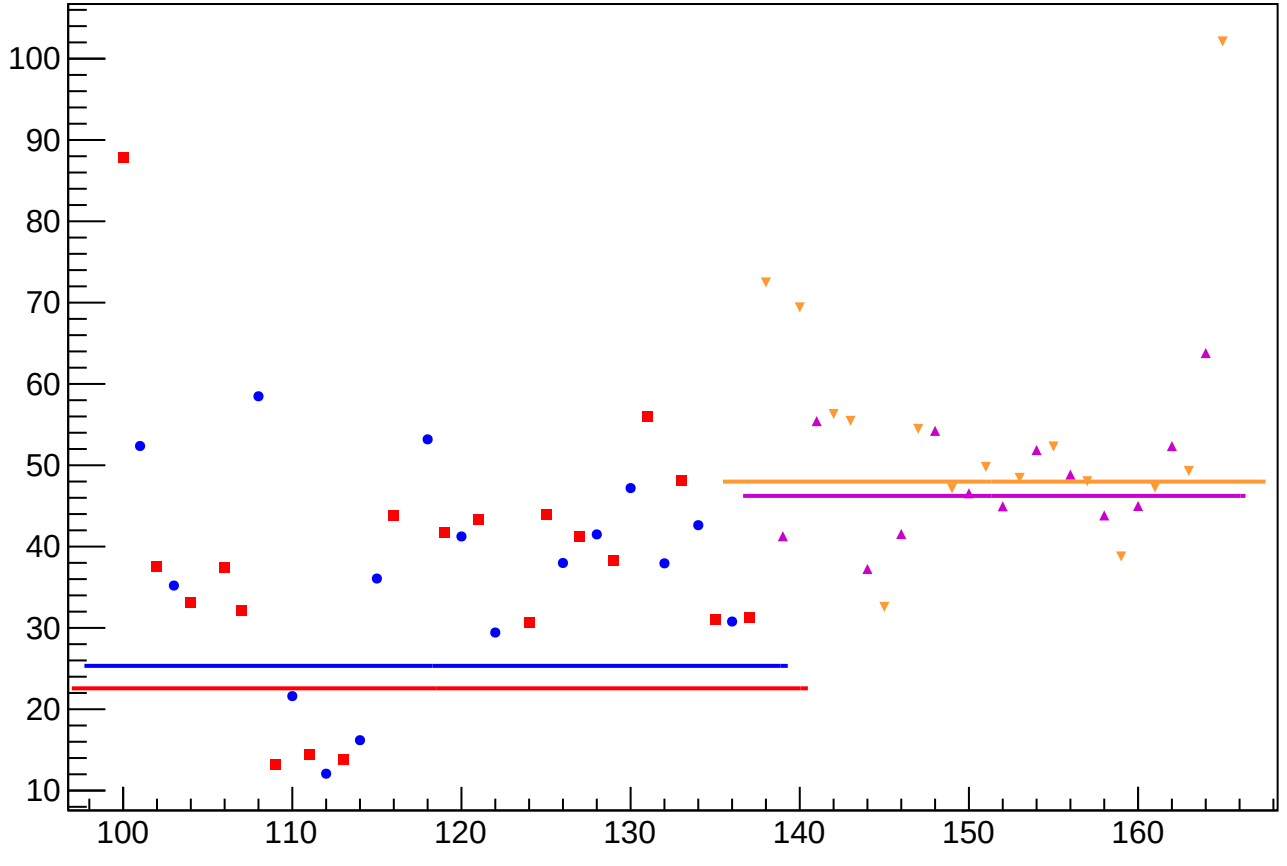
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.7/62

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: 47.988+/-0.010 χ^2/NDF:1168029.6/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

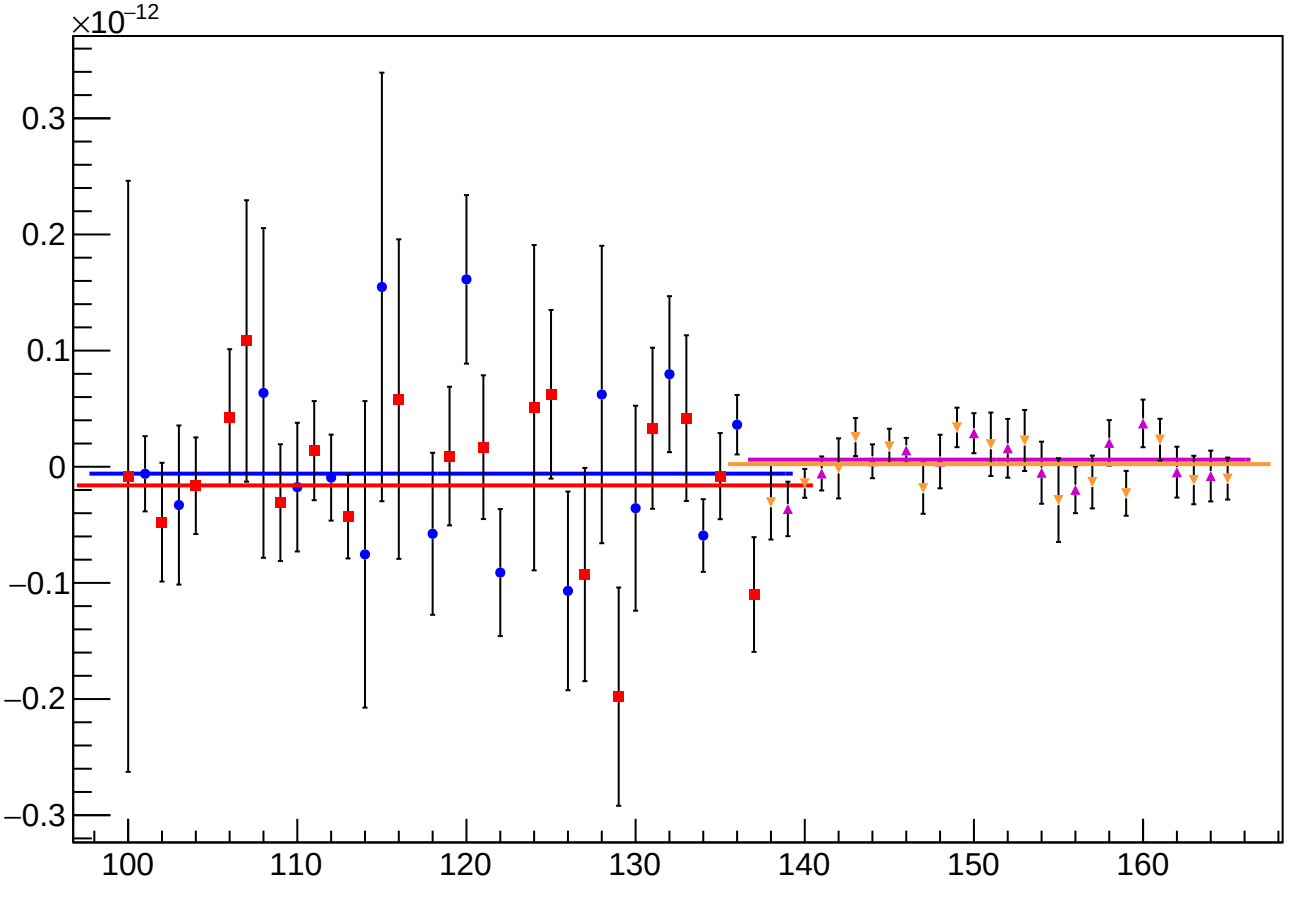
Left: 47.107+/-0.007 χ^2/NDF: 1532454.7/27

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.014+/-0.006 χ^2/NDF:5896476.0/28

Out: 30.473+/-0.006 χ^2/NDF:8488738.7/33

All: 31.643+/-0.004 χ^2/NDF: 14475067.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/12

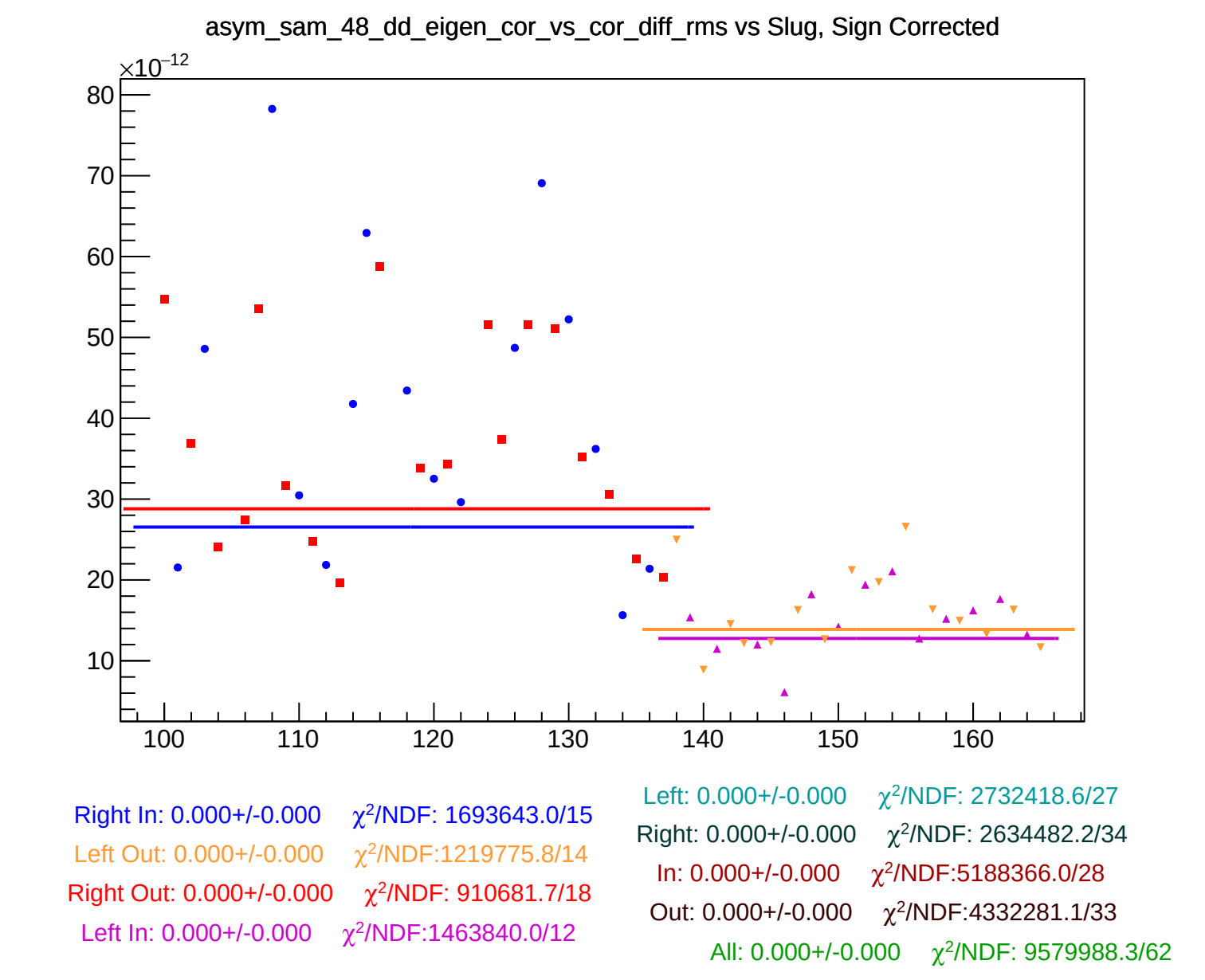
Left: 0.000+/-0.000 χ^2/NDF: 28.4/27

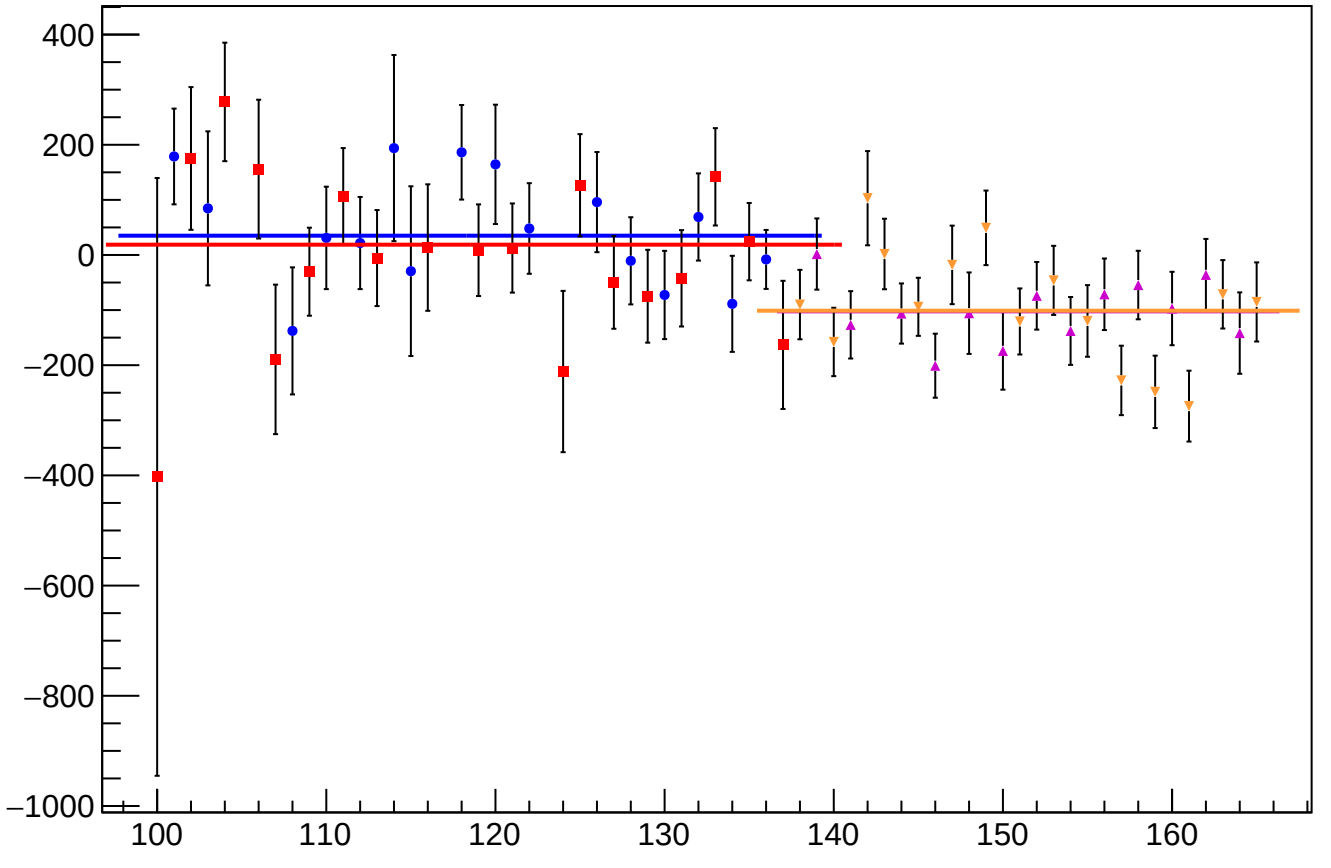
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.3/28

Out: -0.000+/-0.000 χ^2/NDF:33.0/33

All: 0.000+/-0.000 χ^2/NDF: 64.8/62


asym_sam_48_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1219775.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1463840.0/12
Left: 0.000+/-0.000 χ²/NDF: 2732418.6/27
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5188366.0/28
Out: 0.000+/-0.000 χ²/NDF:4332281.1/33
All: 0.000+/-0.000 χ²/NDF: 9579988.3/62



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.114+/-16.631 χ^2/NDF:33.0/14

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -102.290+/-17.700 χ^2/NDF:9.4/12

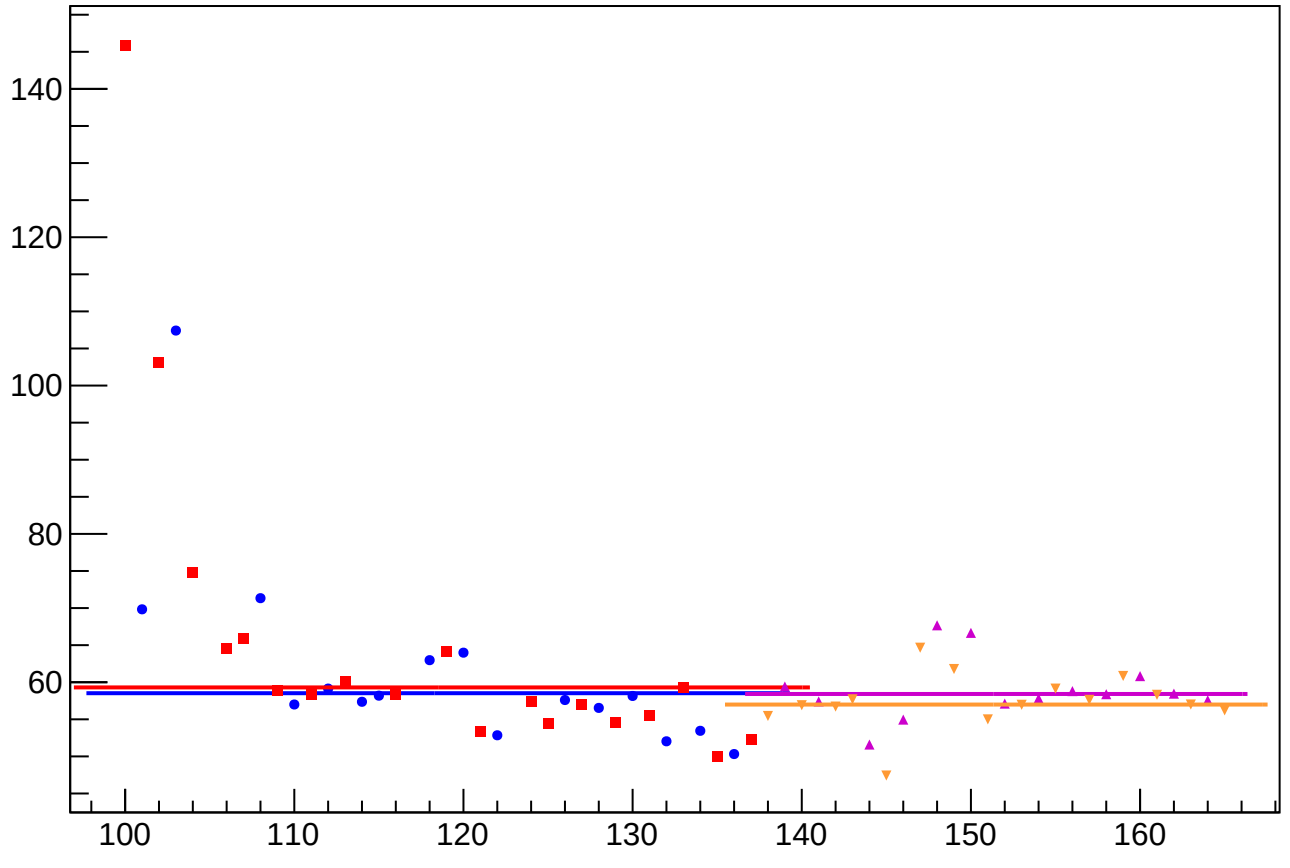
Left: -101.665+/-12.120 χ^2/NDF: 42.4/27

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -48.735+/-13.824 χ^2/NDF:49.0/28

Out: -57.890+/-13.297 χ^2/NDF:75.3/33

All: -53.491+/-9.583 χ^2/NDF: 124.5/62



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

Left: 57.660+/-0.009 χ^2/NDF: 222074.6/27

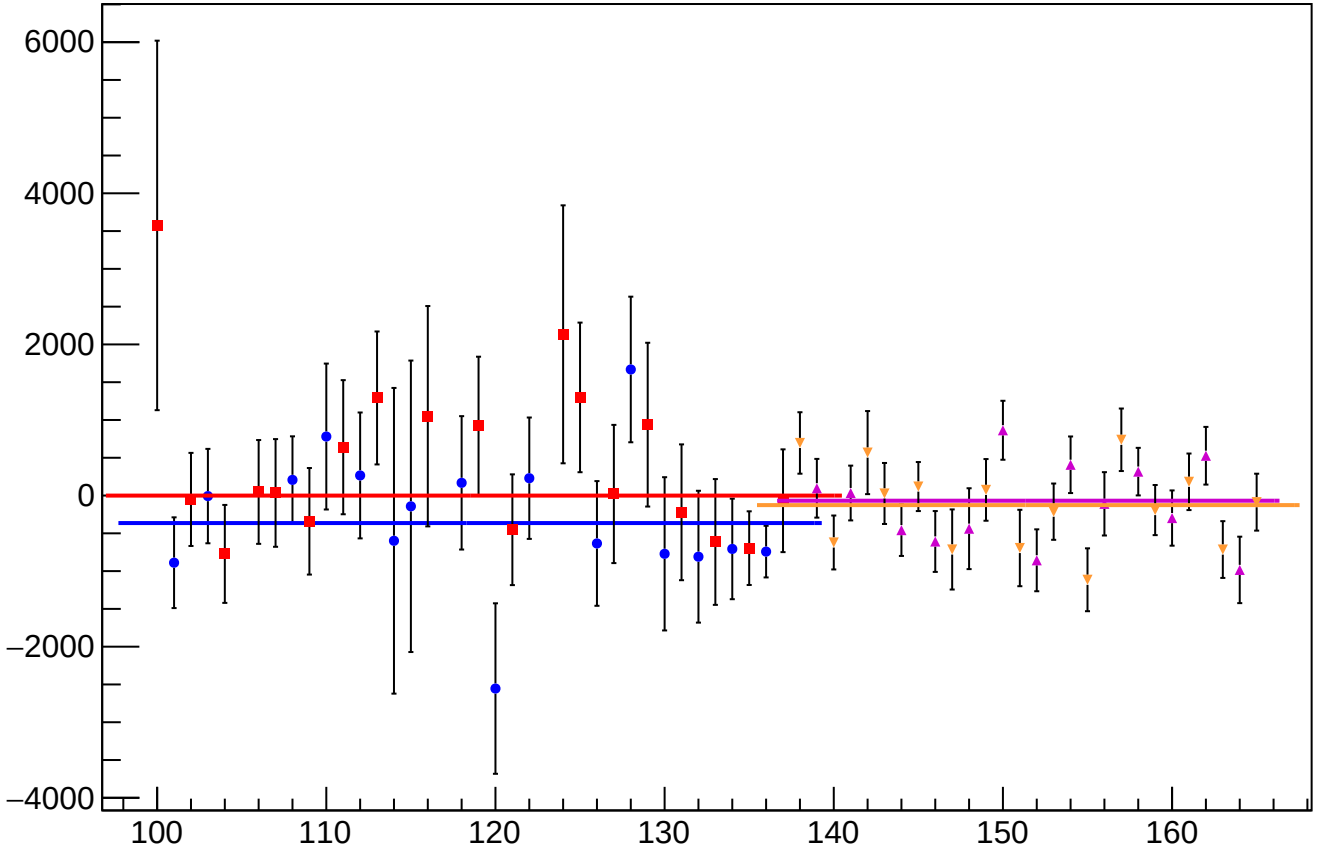
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.458+/-0.010 χ^2/NDF:494830.2/28

Out: 57.825+/-0.009 χ^2/NDF:533650.2/33

All: 58.129+/-0.007 χ^2/NDF: 1030661.4/62

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: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -68.206+/-106.950 χ^2/NDF:23.5/12

Left: -98.669+/-73.931 χ^2/NDF: 48.0/27

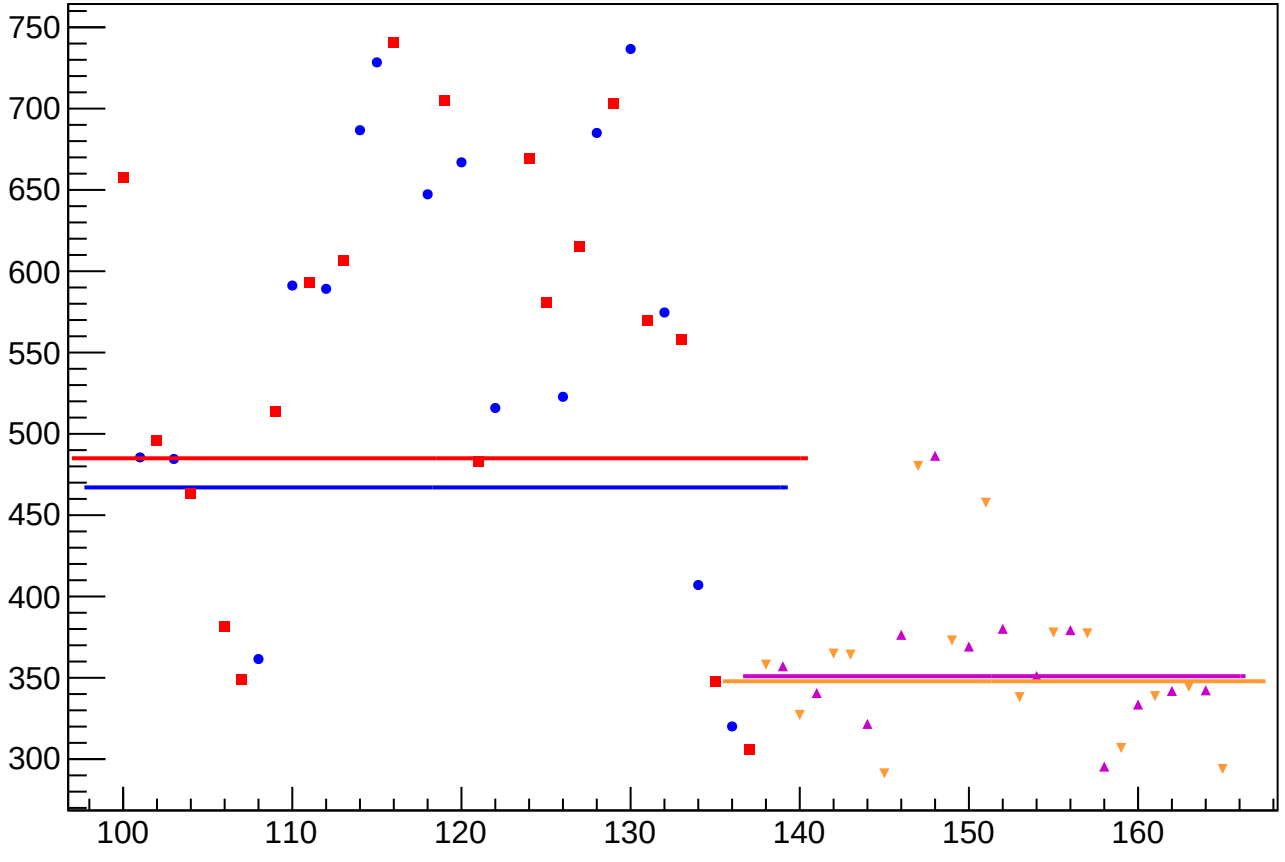
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -145.025+/-92.024 χ^2/NDF:40.7/28

Out: -96.569+/-89.314 χ^2/NDF:39.7/33

All: -120.073+/-64.091 χ^2/NDF: 80.6/62

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: 347.874+/-0.072 χ^2/NDF:395767.7/14

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 350.982+/-0.076 χ^2/NDF:245669.9/12

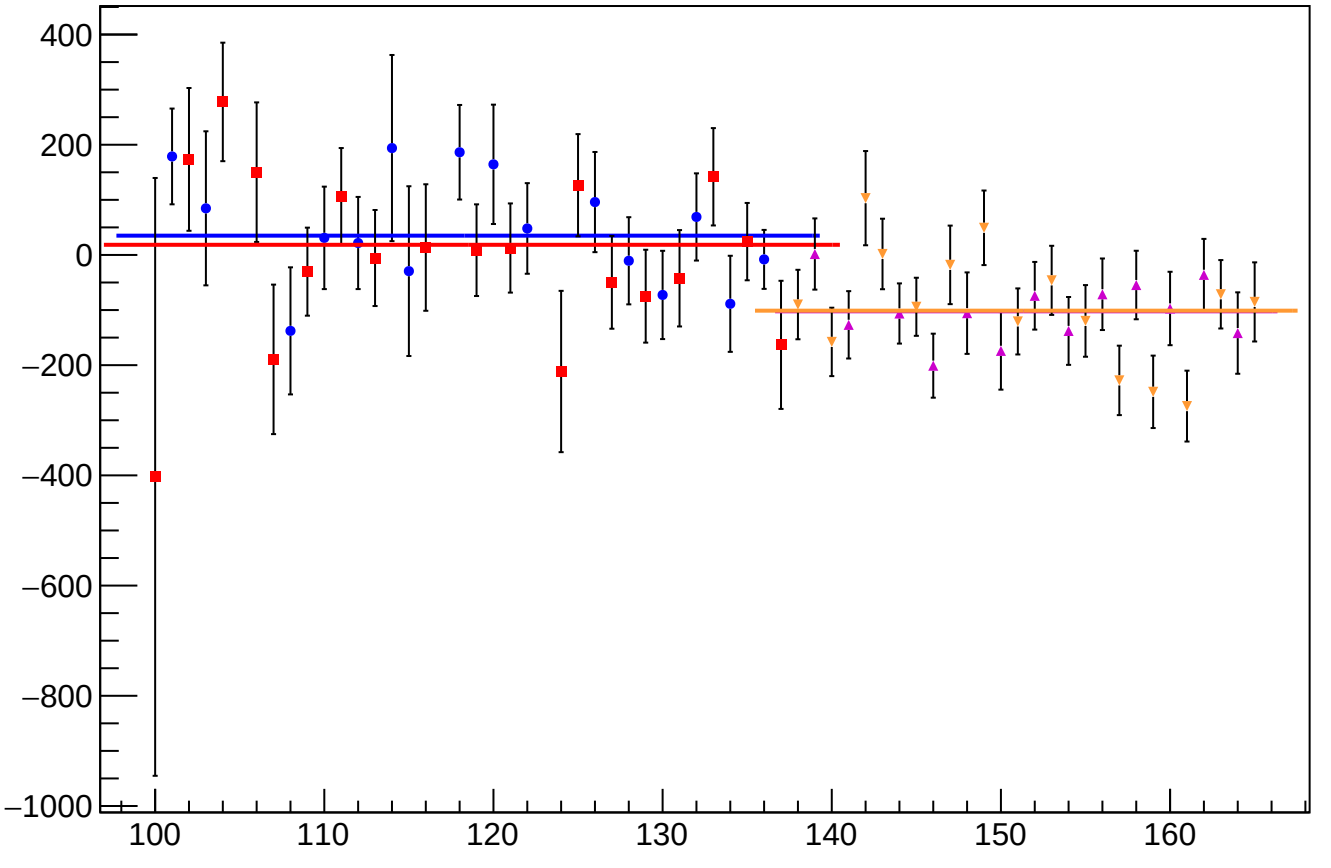
Left: 349.359+/-0.052 χ^2/NDF: 642319.1/27

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 381.122+/-0.065 χ^2/NDF:1887732.8/28

Out: 380.502+/-0.063 χ^2/NDF:2124571.1/33

All: 380.803+/-0.045 χ^2/NDF: 4012350.7/62



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.111+/-16.631 χ^2/NDF:33.0/14

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -102.291+/-17.700 χ^2/NDF:9.4/12

Left: -101.664+/-12.120 χ^2/NDF: 42.4/27

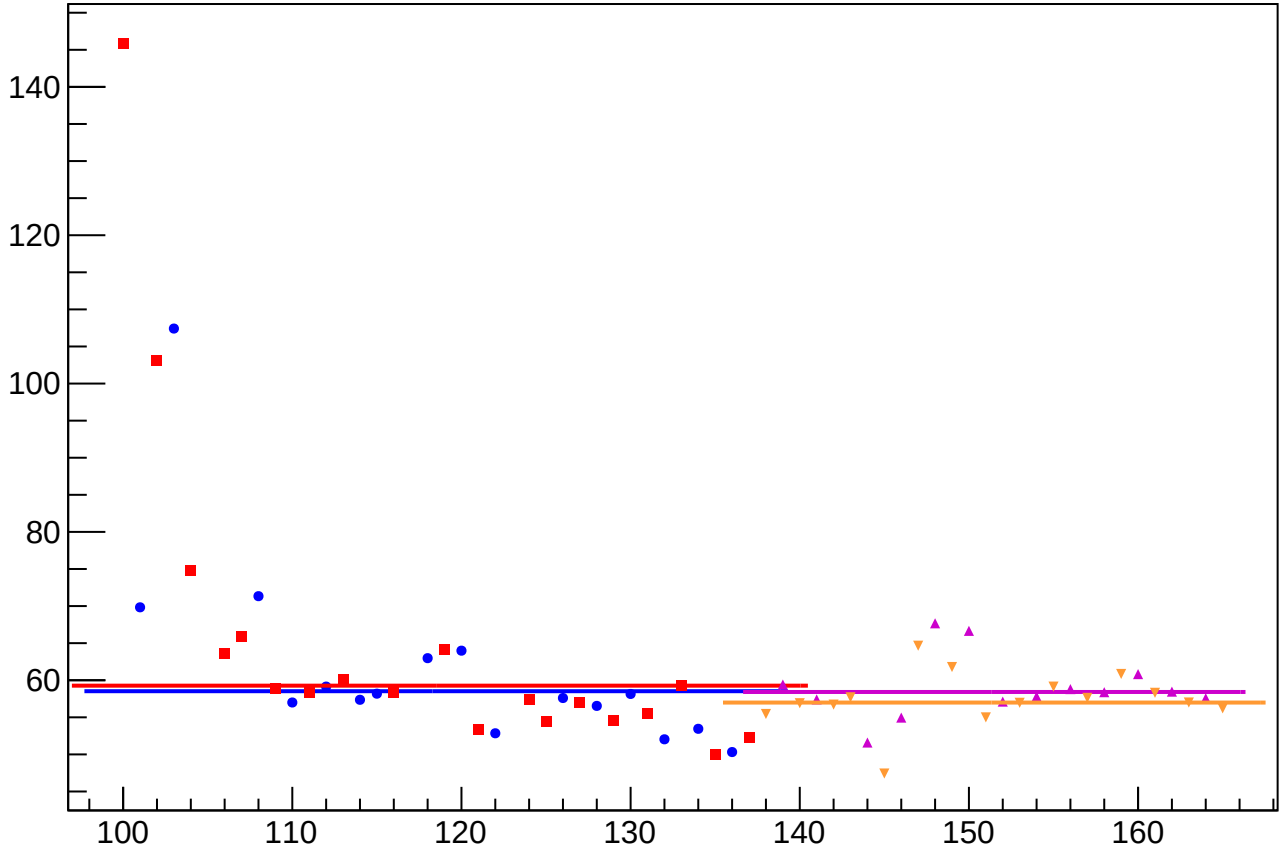
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -48.736+/-13.824 χ^2/NDF:49.0/28

Out: -57.998+/-13.298 χ^2/NDF:75.0/33

All: -53.546+/-9.583 χ^2/NDF: 124.3/62

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

Left: 57.660+/-0.009 χ^2/NDF: 222074.6/27

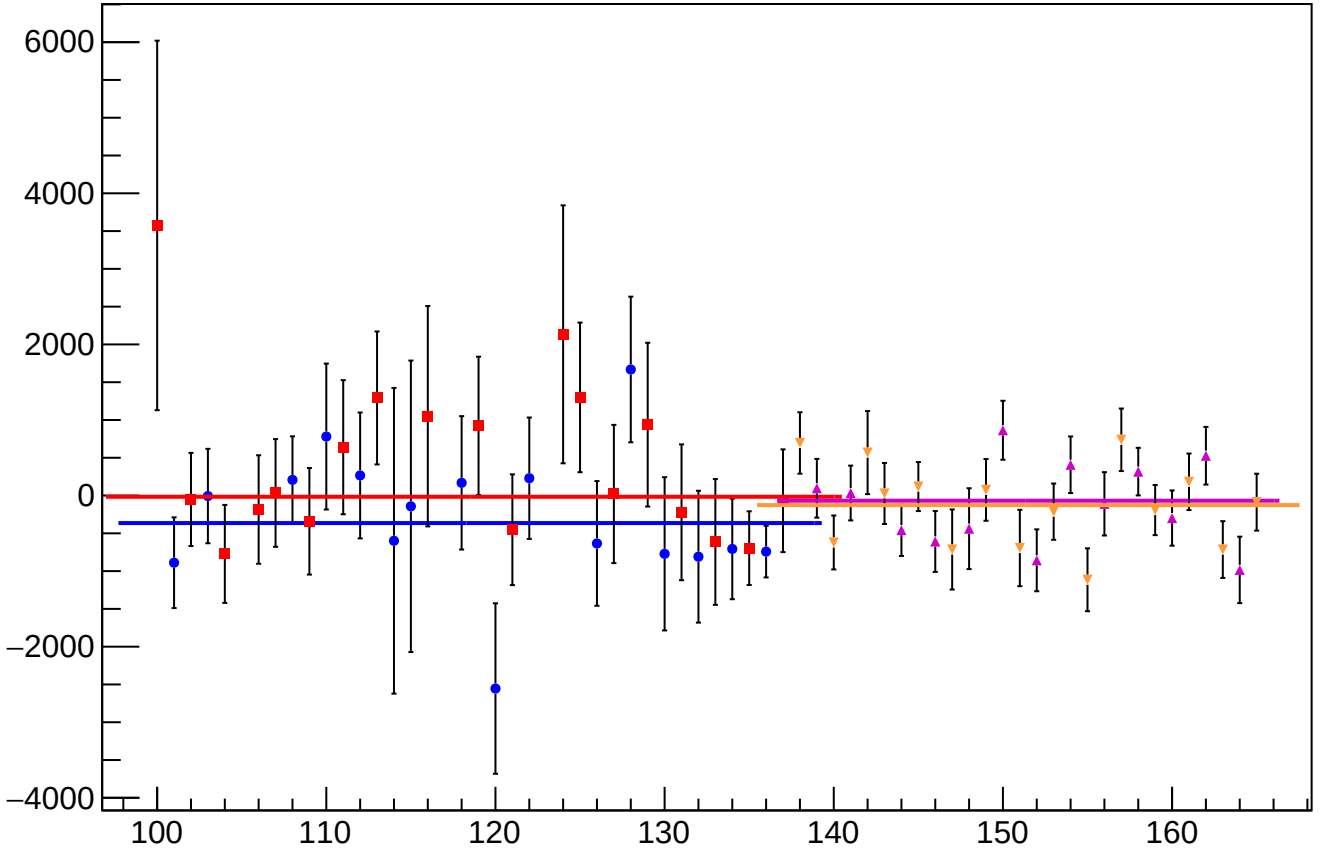
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.458+/-0.010 χ^2/NDF:494832.3/28

Out: 57.813+/-0.009 χ^2/NDF:532270.8/33

All: 58.123+/-0.007 χ^2/NDF: 1029365.2/62

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: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -68.206+/-106.950 χ^2/NDF:23.5/12

Left: -98.669+/-73.931 χ^2/NDF: 48.0/27

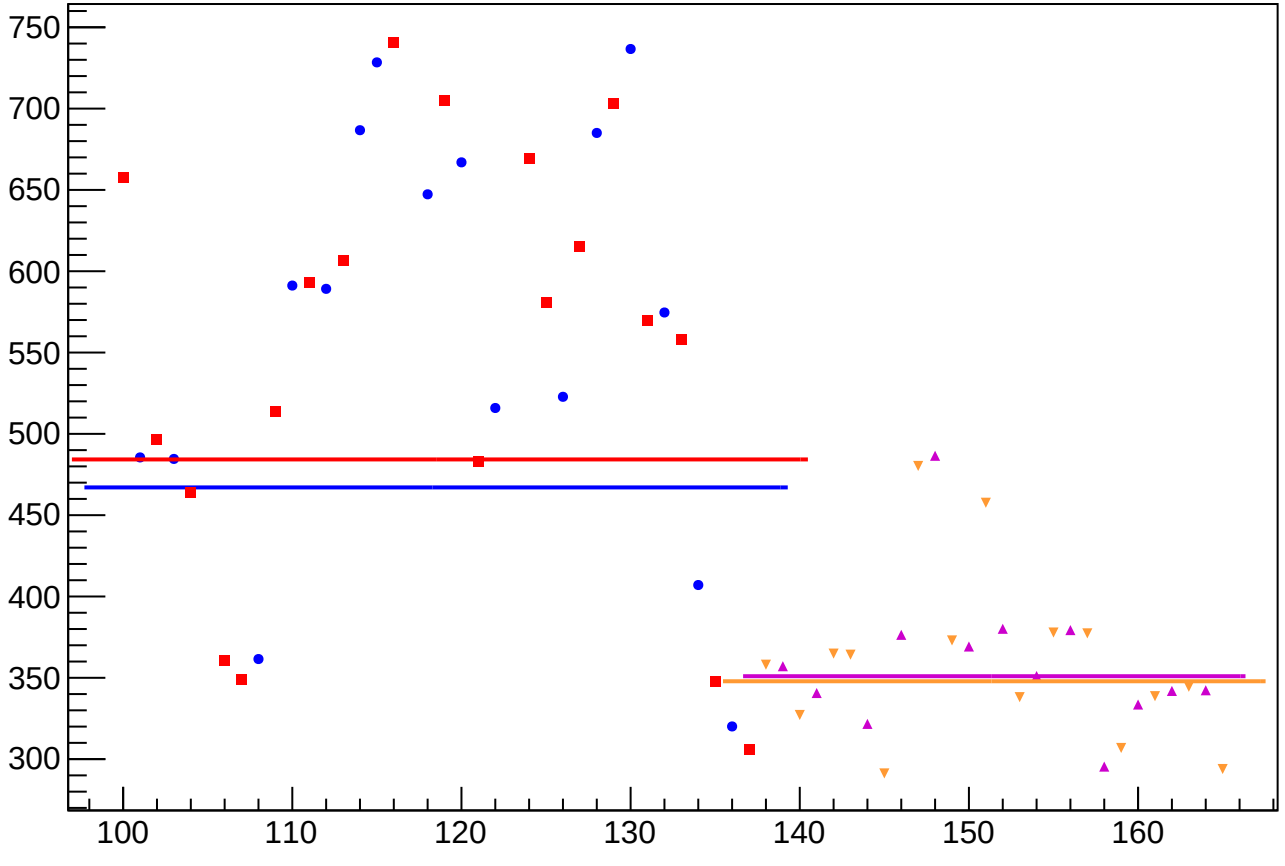
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -145.015+/-92.024 χ^2/NDF:40.7/28

Out: -100.385+/-89.379 χ^2/NDF:39.7/33

All: -122.049+/-64.115 χ^2/NDF: 80.6/62

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.3/14

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

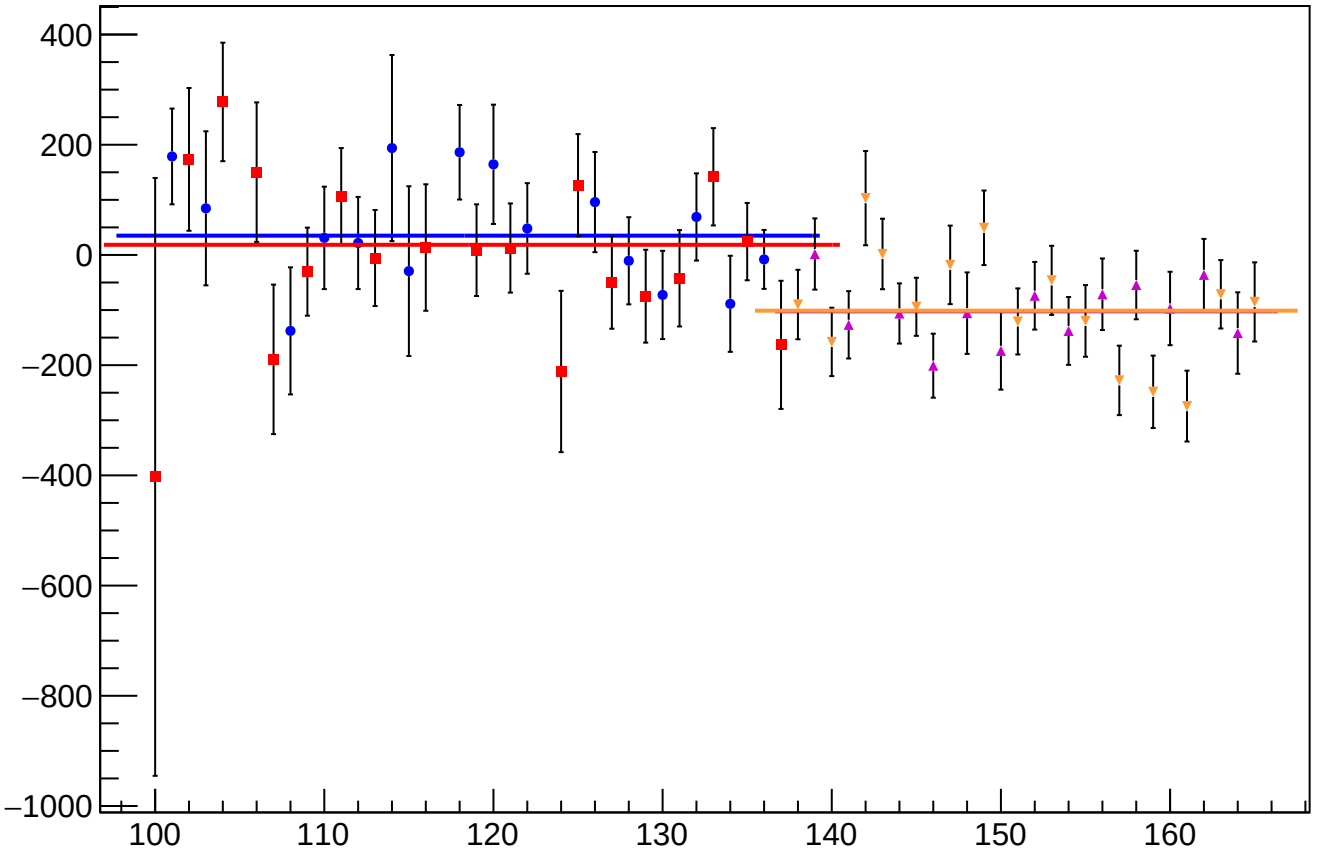
Left: 349.359+/-0.052 χ^2/NDF: 642318.8/27

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 381.122+/-0.065 χ^2/NDF:1887755.2/28

Out: 380.182+/-0.063 χ^2/NDF:2126493.2/33

All: 380.638+/-0.045 χ^2/NDF: 4014355.9/62



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.111+/-16.631 χ^2/NDF:33.0/14

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -102.291+/-17.700 χ^2/NDF:9.4/12

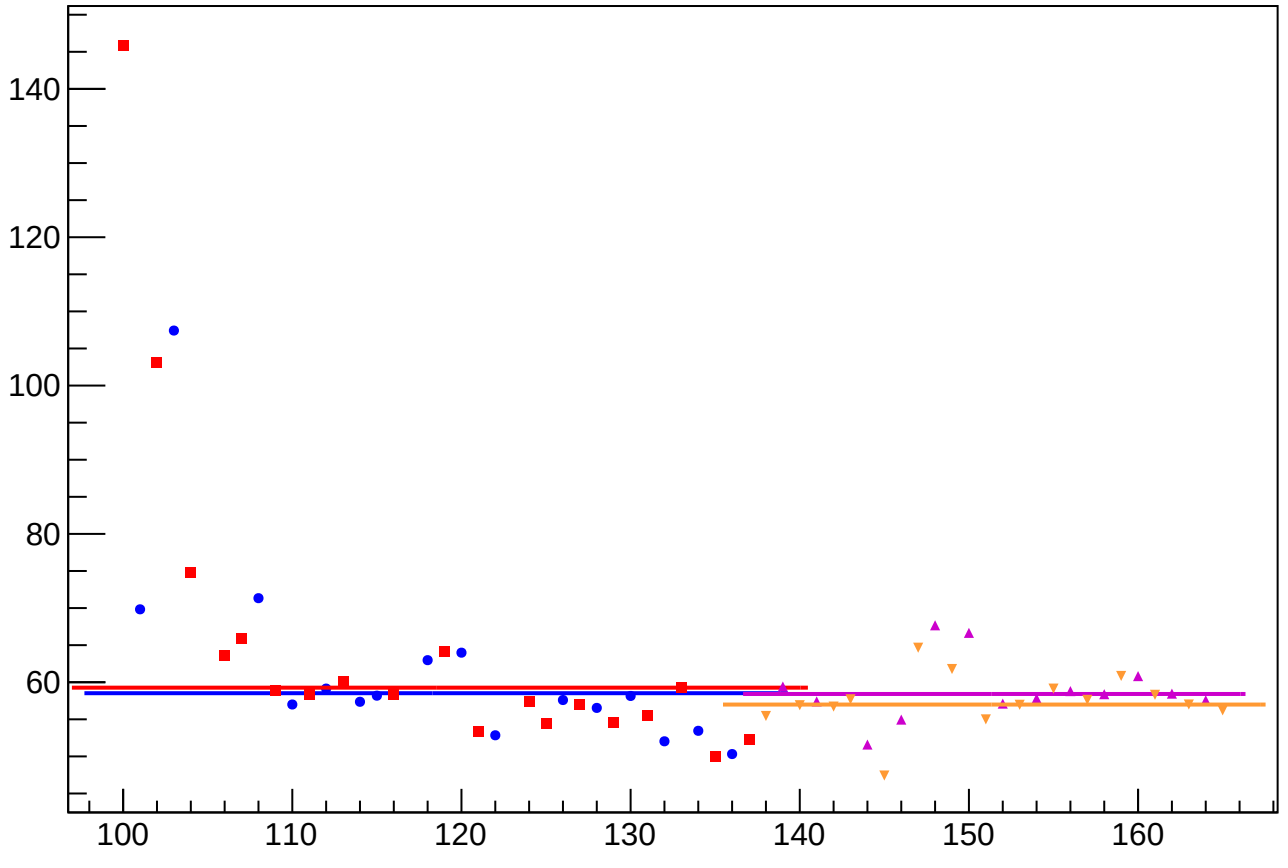
Left: -101.664+/-12.120 χ^2/NDF: 42.4/27

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -48.736+/-13.824 χ^2/NDF:49.0/28

Out: -57.998+/-13.298 χ^2/NDF:75.0/33

All: -53.546+/-9.583 χ^2/NDF: 124.3/62



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

Left: 57.660+/-0.009 χ^2/NDF: 222074.6/27

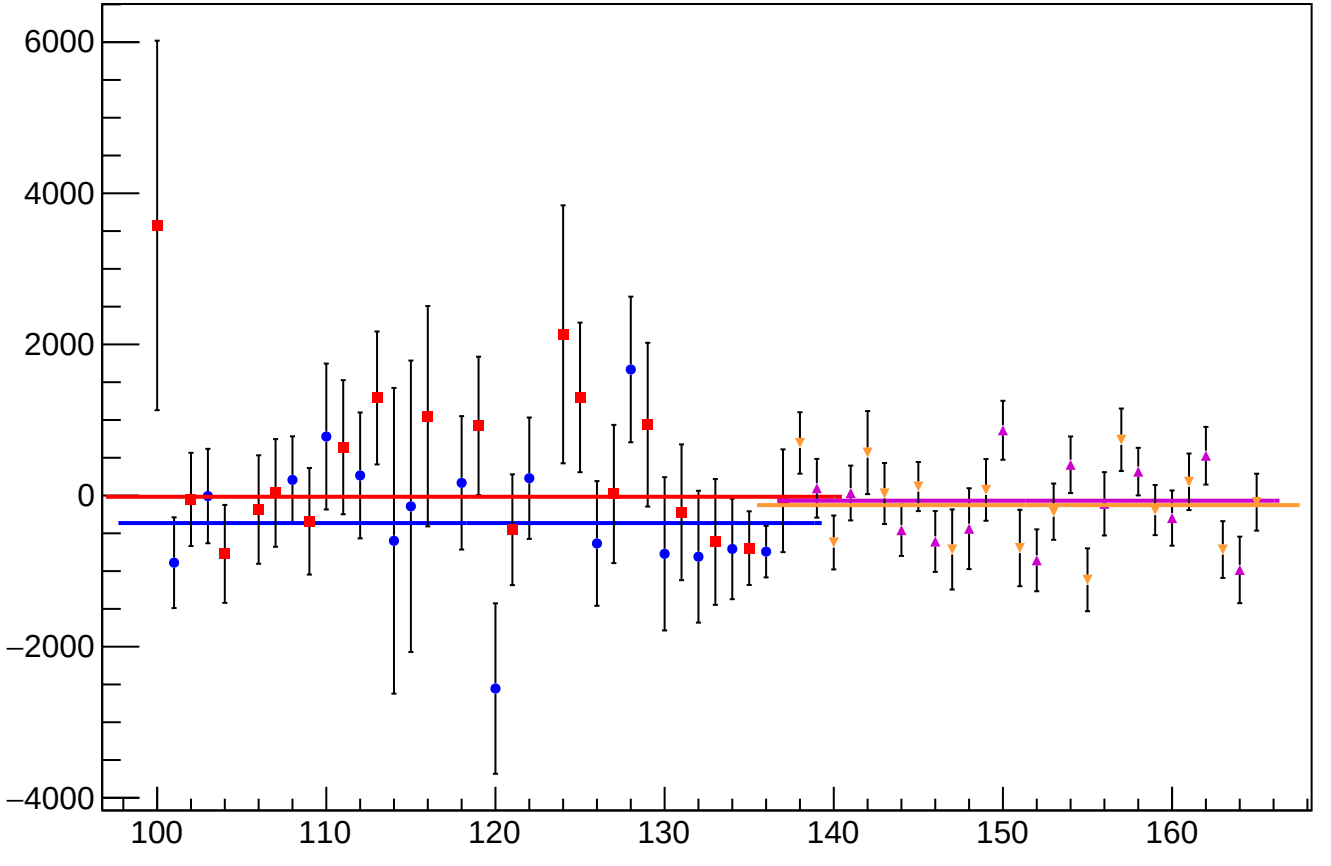
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.458+/-0.010 χ^2/NDF:494832.3/28

Out: 57.813+/-0.009 χ^2/NDF:532270.8/33

All: 58.123+/-0.007 χ^2/NDF: 1029365.2/62

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: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -68.206+/-106.950 χ^2/NDF:23.5/12

Left: -98.669+/-73.931 χ^2/NDF: 48.0/27

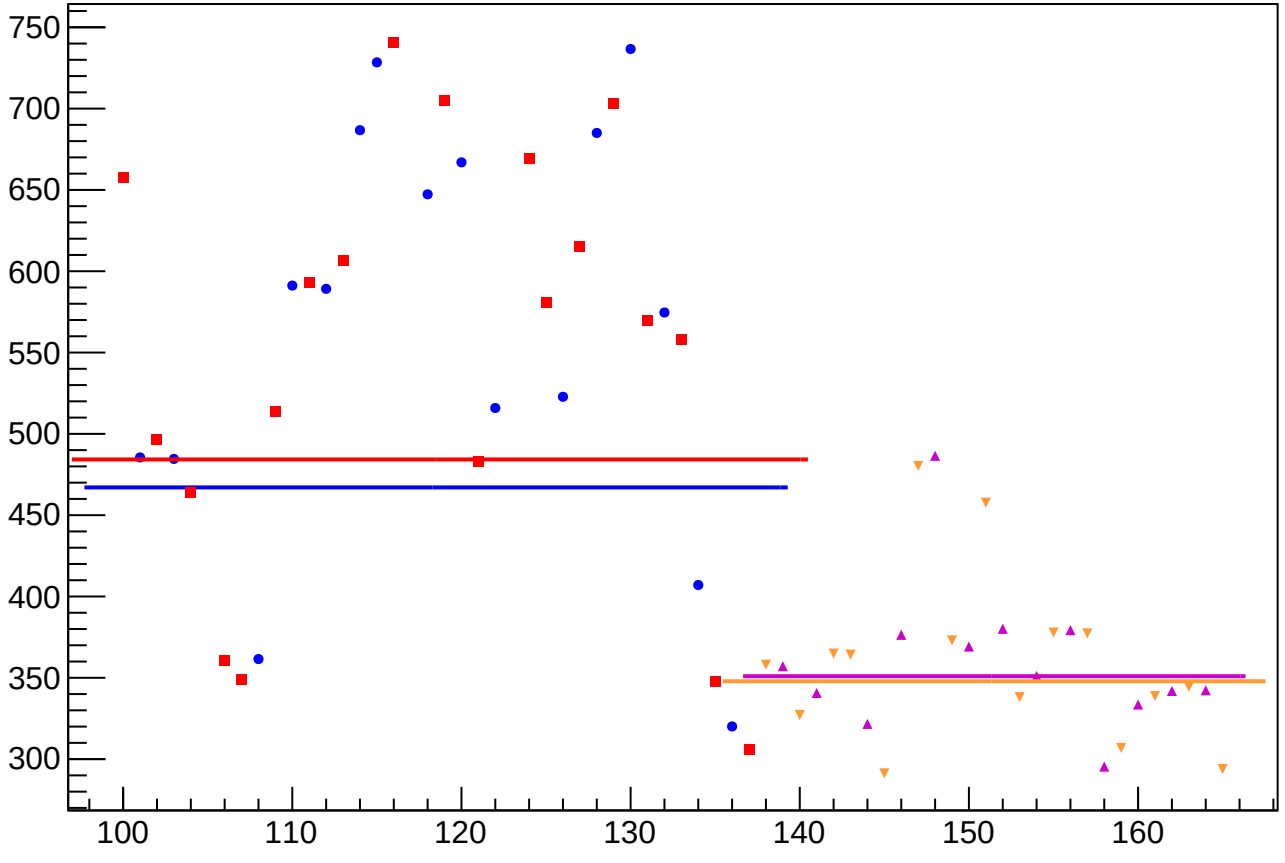
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -145.015+/-92.024 χ^2/NDF:40.7/28

Out: -100.385+/-89.379 χ^2/NDF:39.7/33

All: -122.049+/-64.115 χ^2/NDF: 80.6/62

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: 347.874+/-0.072 χ^2/NDF:395767.3/14

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

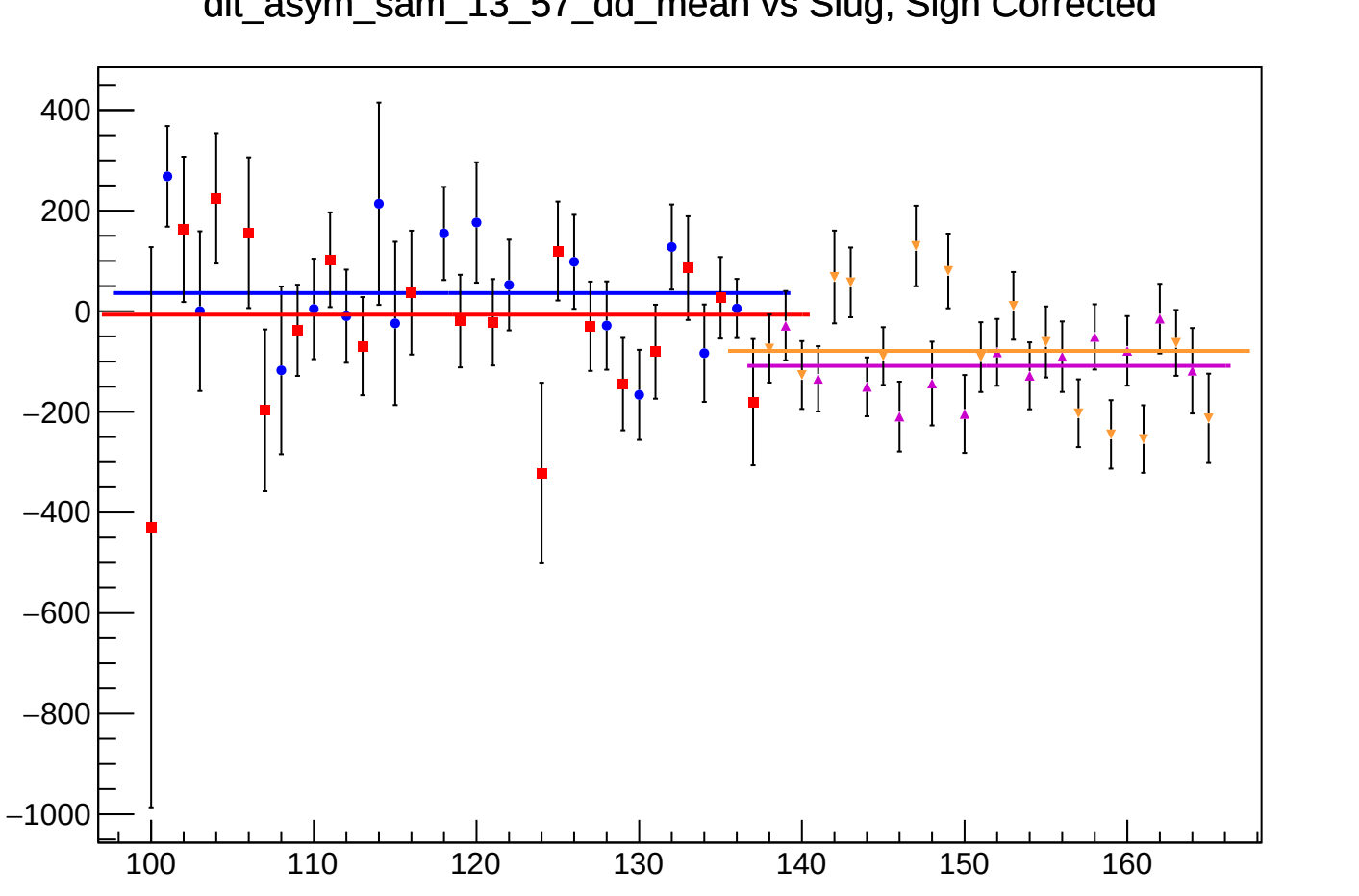
Left: 349.359+/-0.052 χ^2/NDF: 642318.8/27

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 381.122+/-0.065 χ^2/NDF:1887755.2/28

Out: 380.182+/-0.063 χ^2/NDF:2126493.2/33

All: 380.638+/-0.045 χ^2/NDF: 4014355.9/62



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -78.856+/-18.103 χ^2/NDF:38.6/14

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -108.573+/-19.210 χ^2/NDF:9.0/12

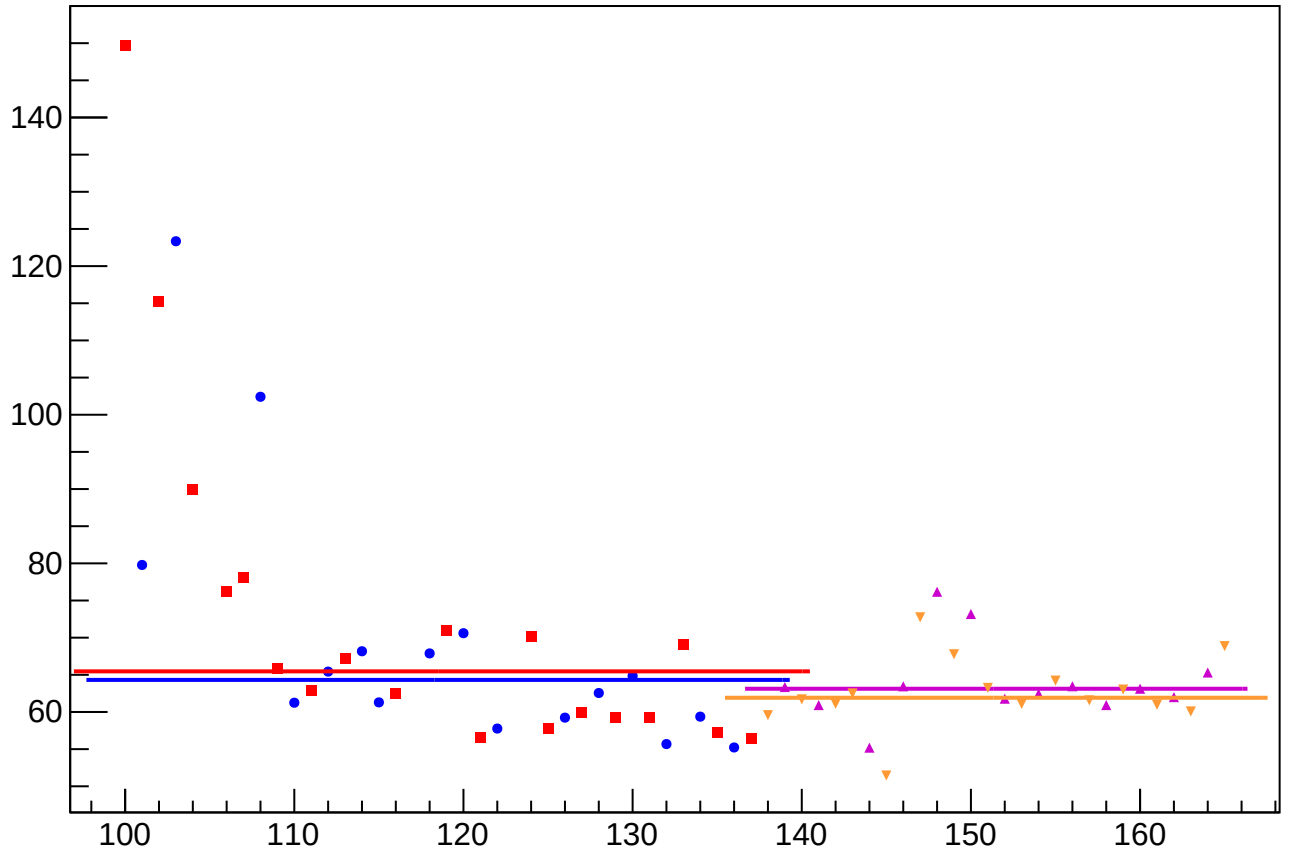
Left: -92.834+/-13.175 χ^2/NDF: 48.9/27

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.390+/-15.111 χ^2/NDF:50.3/28

Out: -53.472+/-14.573 χ^2/NDF:64.6/33

All: -53.433+/-10.490 χ^2/NDF: 114.8/62



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.915+/-0.013 χ^2/NDF:135943.4/14

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.126+/-0.014 χ^2/NDF:127266.9/12

Left: 62.485+/-0.009 χ^2/NDF: 267421.2/27

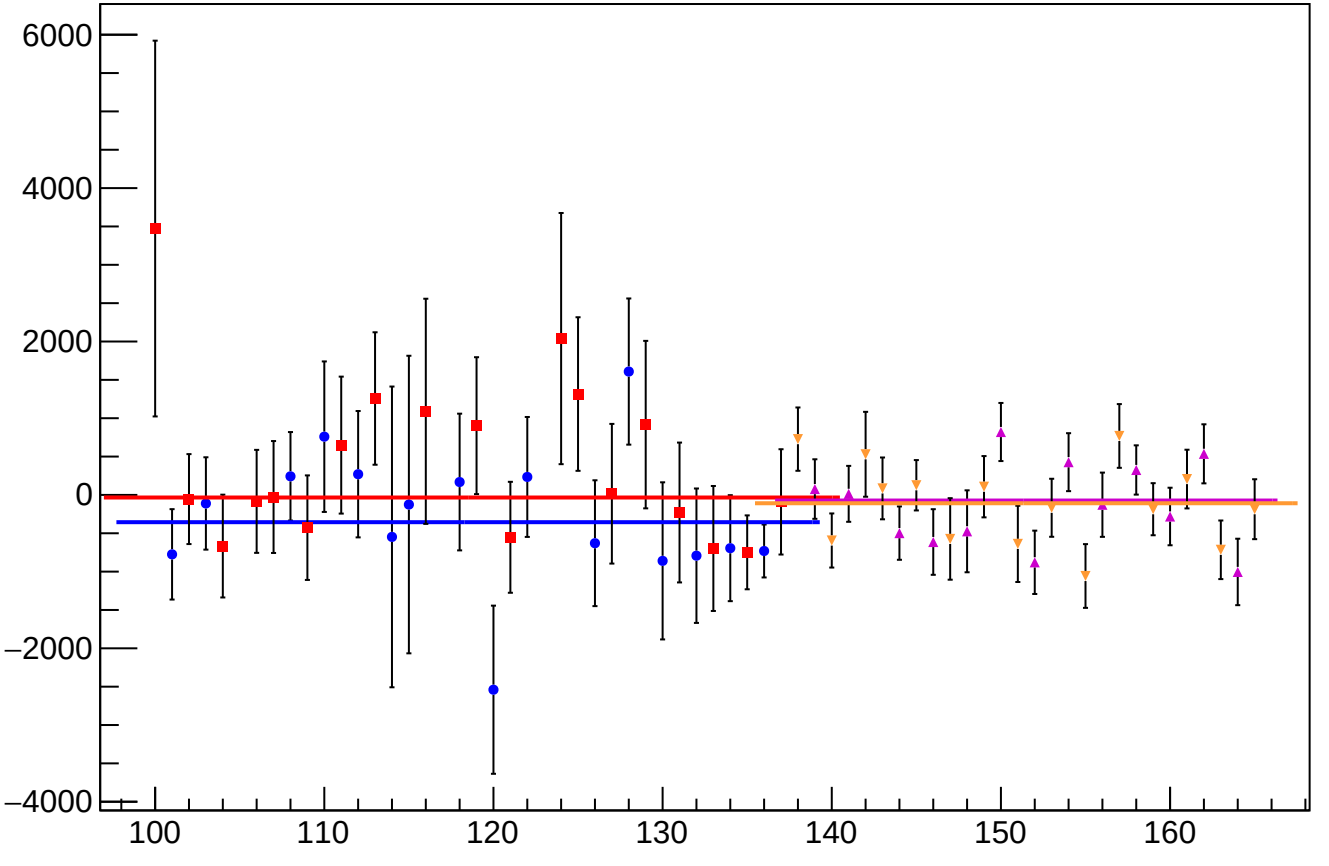
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.580+/-0.011 χ^2/NDF:662258.2/28

Out: 63.165+/-0.010 χ^2/NDF:645387.5/33

All: 63.365+/-0.007 χ^2/NDF: 1308427.7/62

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -108.623+/-103.165 χ^2/NDF:23.3/14

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -73.240+/-107.953 χ^2/NDF:24.0/12

Left: -91.734+/-74.584 χ^2/NDF: 47.3/27

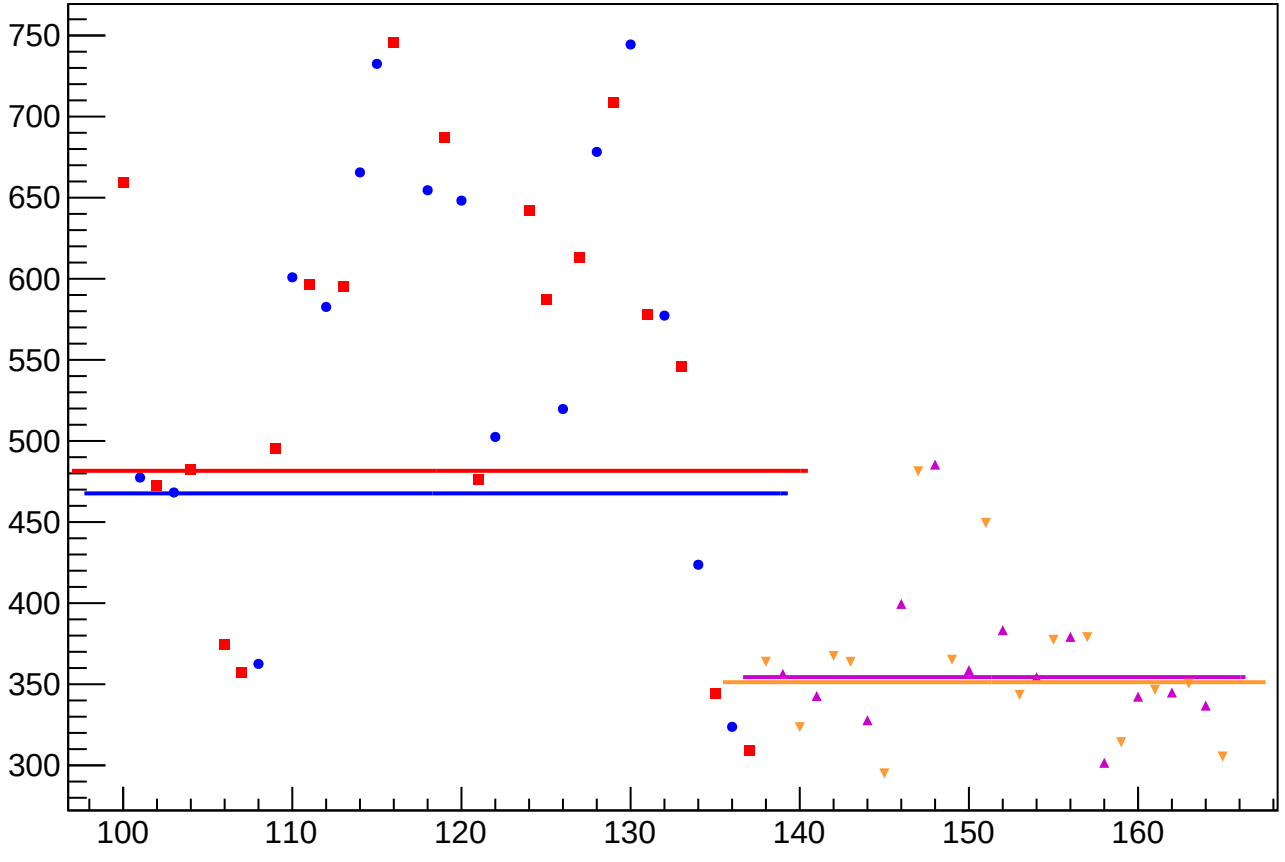
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -147.712+/-92.625 χ^2/NDF:40.6/28

Out: -90.358+/-89.696 χ^2/NDF:38.8/33

All: -118.114+/-64.435 χ^2/NDF: 79.5/62

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: 351.267+/-0.073 χ^2/NDF:346078.8/14

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 354.388+/-0.076 χ^2/NDF:234164.1/12

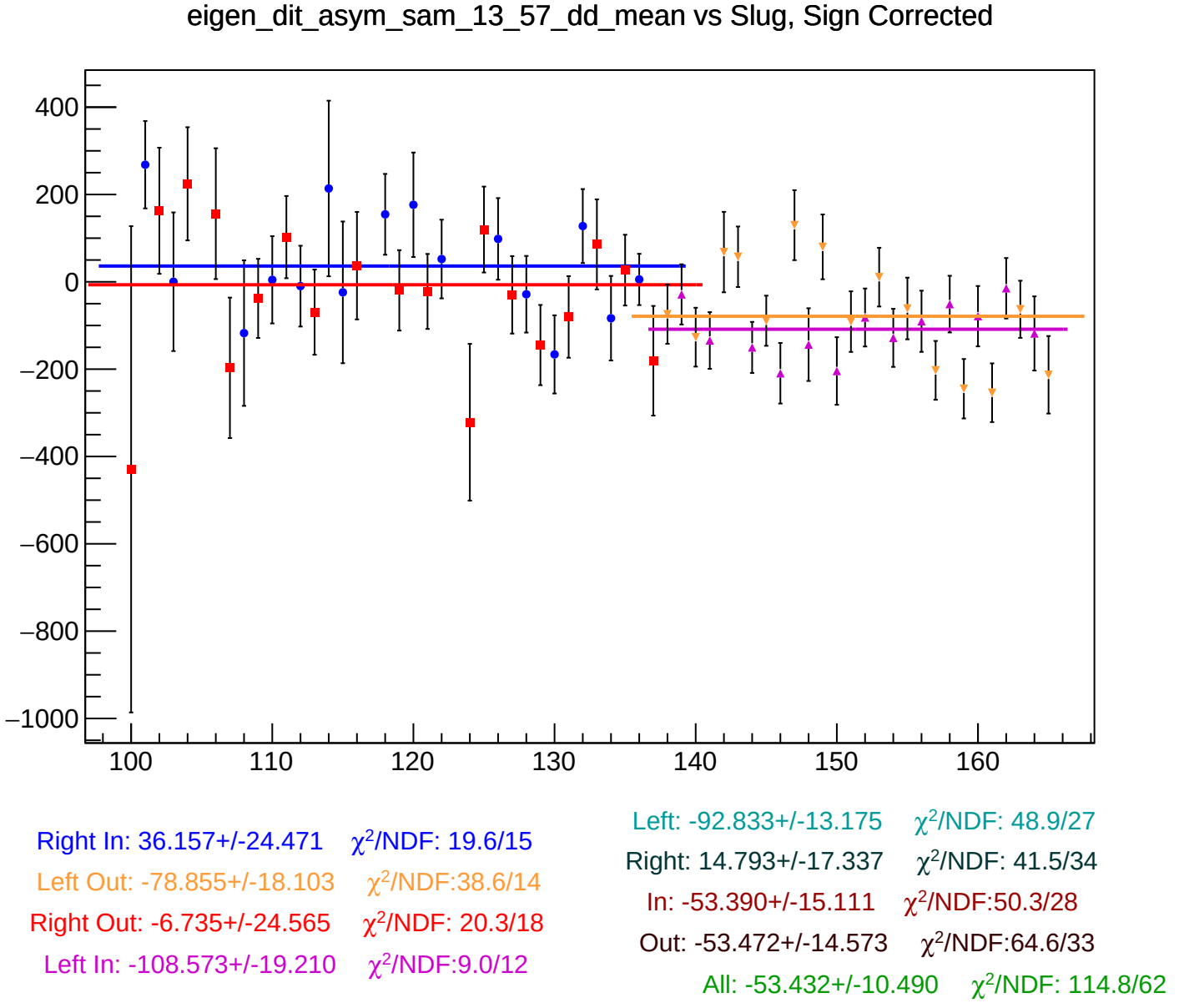
Left: 352.756+/-0.053 χ^2/NDF: 581116.7/27

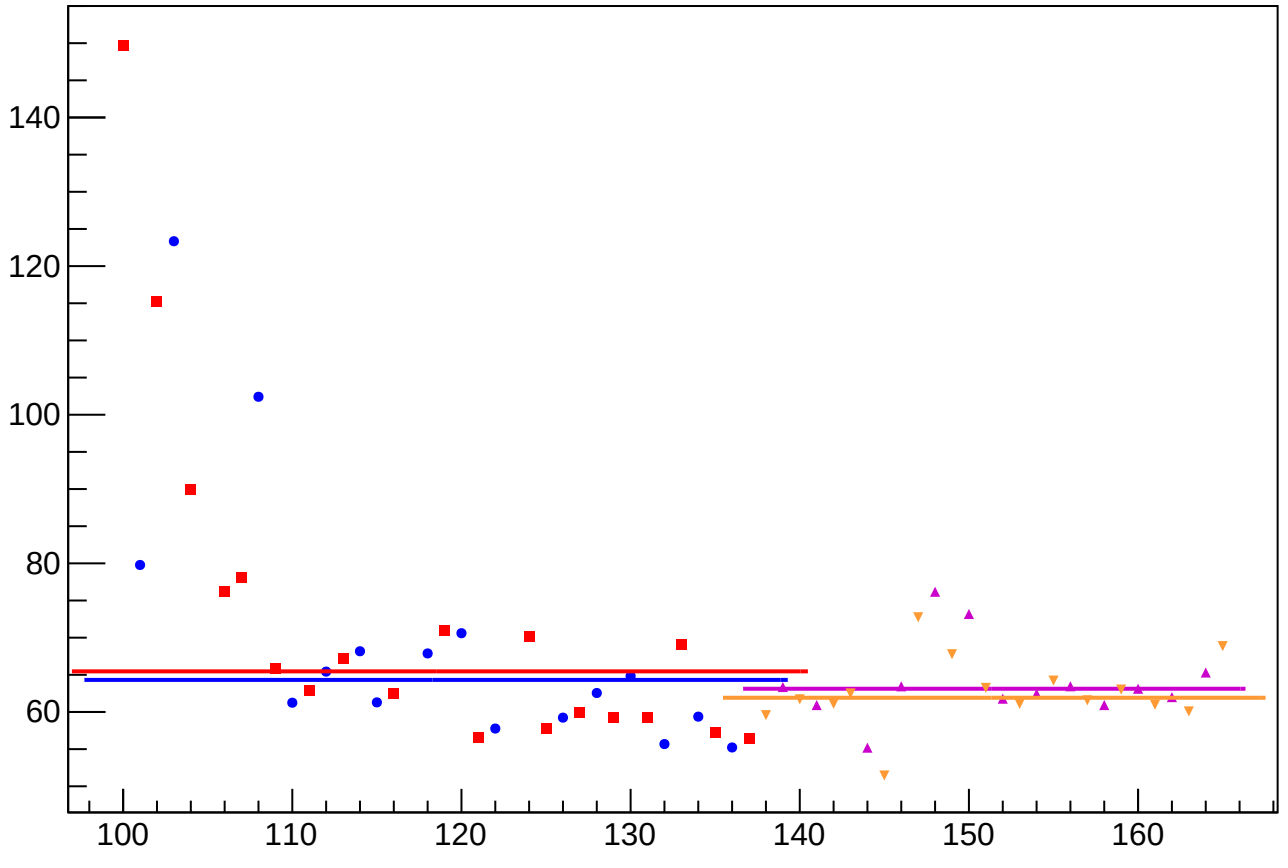
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 384.274+/-0.065 χ^2/NDF:1801162.9/28

Out: 383.076+/-0.063 χ^2/NDF:1979435.1/33

All: 383.656+/-0.046 χ^2/NDF: 3780770.7/62


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
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -78.855+/-18.103 χ²/NDF:38.6/14
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -108.573+/-19.210 χ²/NDF:9.0/12
Left: -92.833+/-13.175 χ²/NDF: 48.9/27
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -53.390+/-15.111 χ²/NDF:50.3/28
Out: -53.472+/-14.573 χ²/NDF:64.6/33
All: -53.432+/-10.490 χ²/NDF: 114.8/62



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.915+/-0.013 χ^2/NDF:135947.0/14

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.126+/-0.014 χ^2/NDF:127269.9/12

Left: 62.485+/-0.009 χ^2/NDF: 267427.6/27

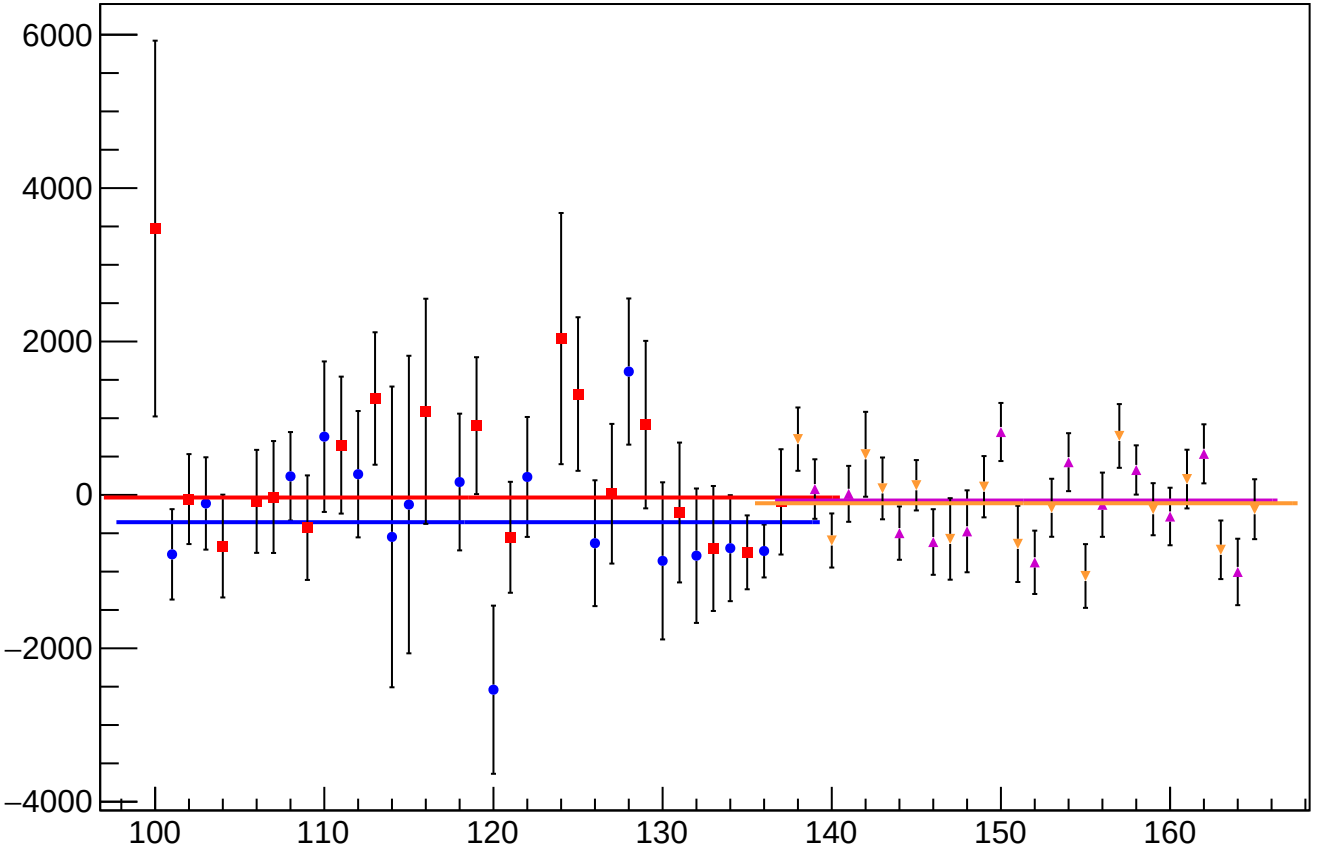
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.580+/-0.011 χ^2/NDF:662268.8/28

Out: 63.165+/-0.010 χ^2/NDF:645394.7/33

All: 63.365+/-0.007 χ^2/NDF: 1308445.5/62

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: -108.623+/-103.165 χ^2/NDF:23.3/14

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -73.240+/-107.953 χ^2/NDF:24.0/12

Left: -91.734+/-74.584 χ^2/NDF: 47.3/27

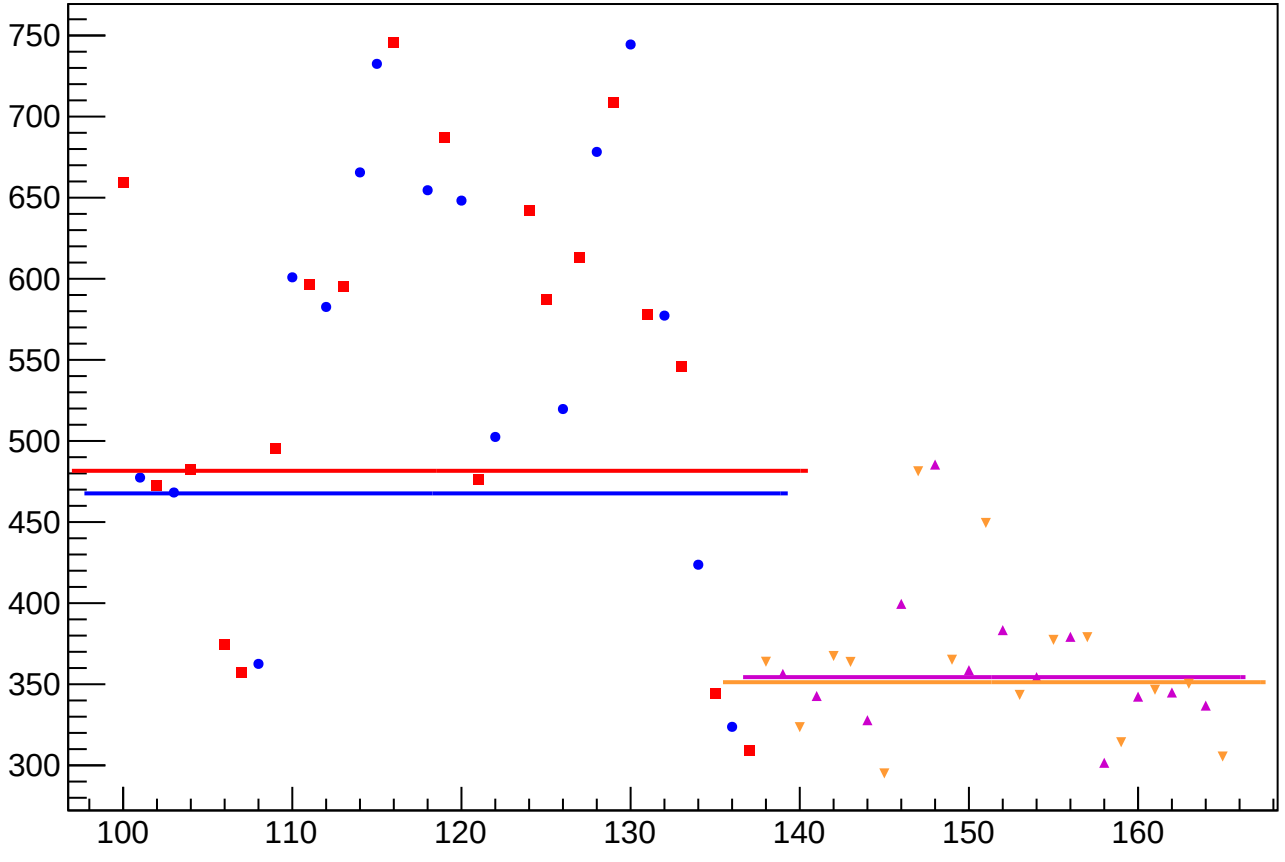
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -147.712+/-92.625 χ^2/NDF:40.6/28

Out: -90.358+/-89.696 χ^2/NDF:38.8/33

All: -118.114+/-64.435 χ^2/NDF: 79.5/62

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: 351.267+/-0.073 χ^2/NDF:346078.3/14

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 354.388+/-0.076 χ^2/NDF:234165.3/12

Left: 352.756+/-0.053 χ^2/NDF: 581117.4/27

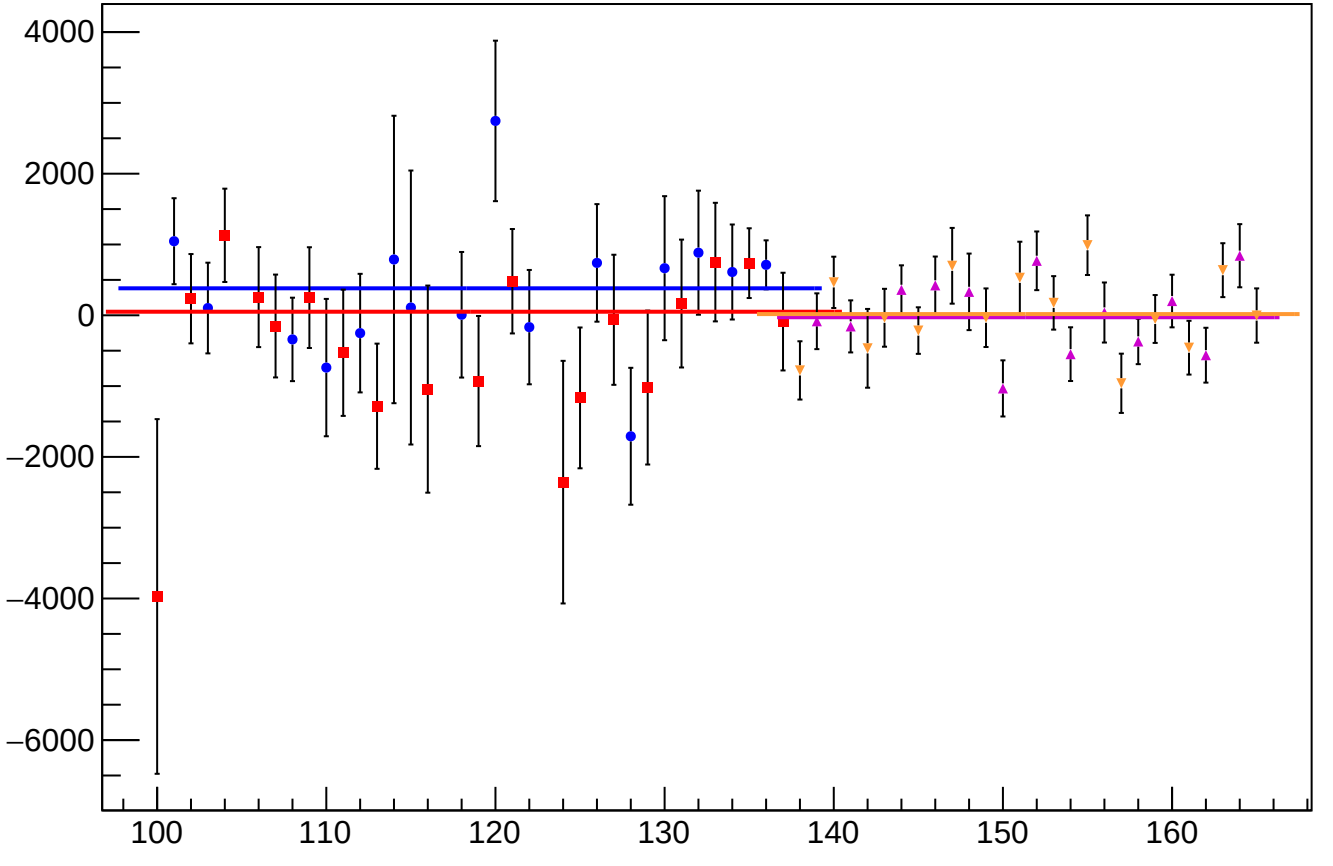
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 384.274+/-0.065 χ^2/NDF:1801159.9/28

Out: 383.076+/-0.063 χ^2/NDF:1979425.3/33

All: 383.656+/-0.046 χ^2/NDF: 3780757.9/62

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 17.059+/-103.745 χ^2/NDF:24.4/14

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -27.665+/-108.474 χ^2/NDF:22.3/12

Left: -4.307+/-74.975 χ^2/NDF: 46.8/27

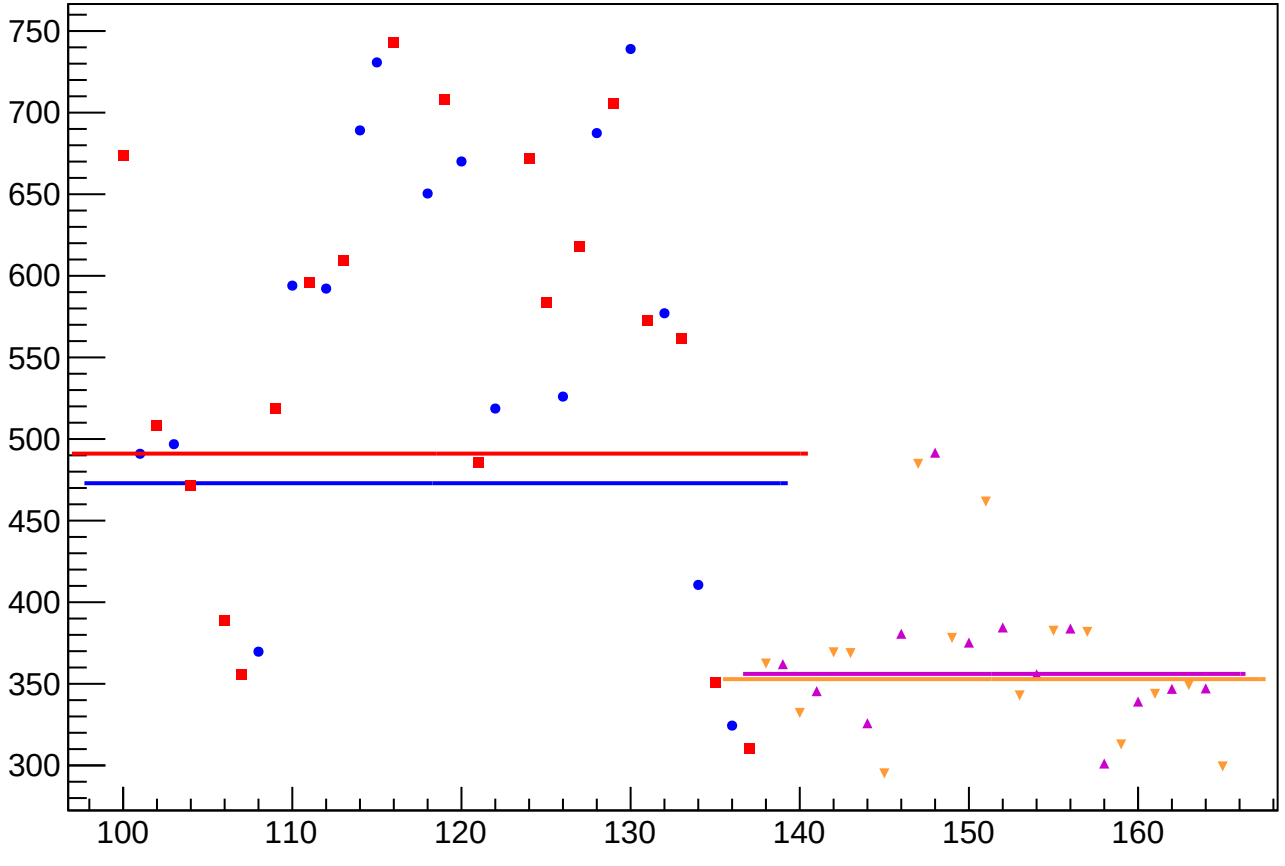
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 78.909+/-93.267 χ^2/NDF:42.2/28

Out: 25.016+/-90.519 χ^2/NDF:41.9/33

All: 51.157+/-64.956 χ^2/NDF: 84.3/62

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 352.872+/-0.073 χ^2/NDF:383433.0/14

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 356.084+/-0.077 χ^2/NDF:237852.9/12

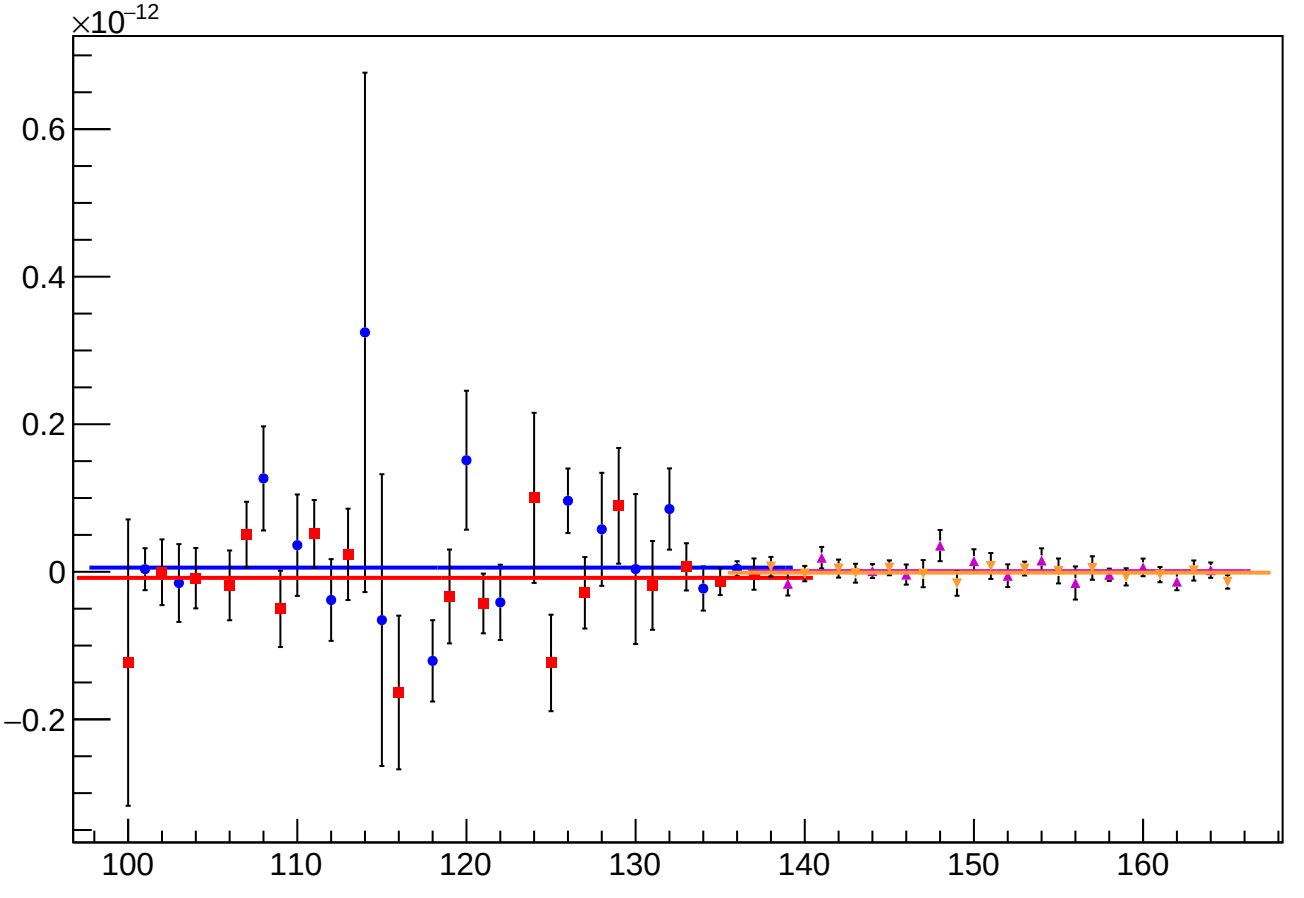
Left: 354.407+/-0.053 χ^2/NDF: 622202.0/27

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 386.548+/-0.066 χ^2/NDF:1843121.0/28

Out: 385.862+/-0.064 χ^2/NDF:2078070.3/33

All: 386.195+/-0.046 χ^2/NDF: 3921247.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/12

Left: -0.000+/-0.000 χ^2/NDF: 14.6/27

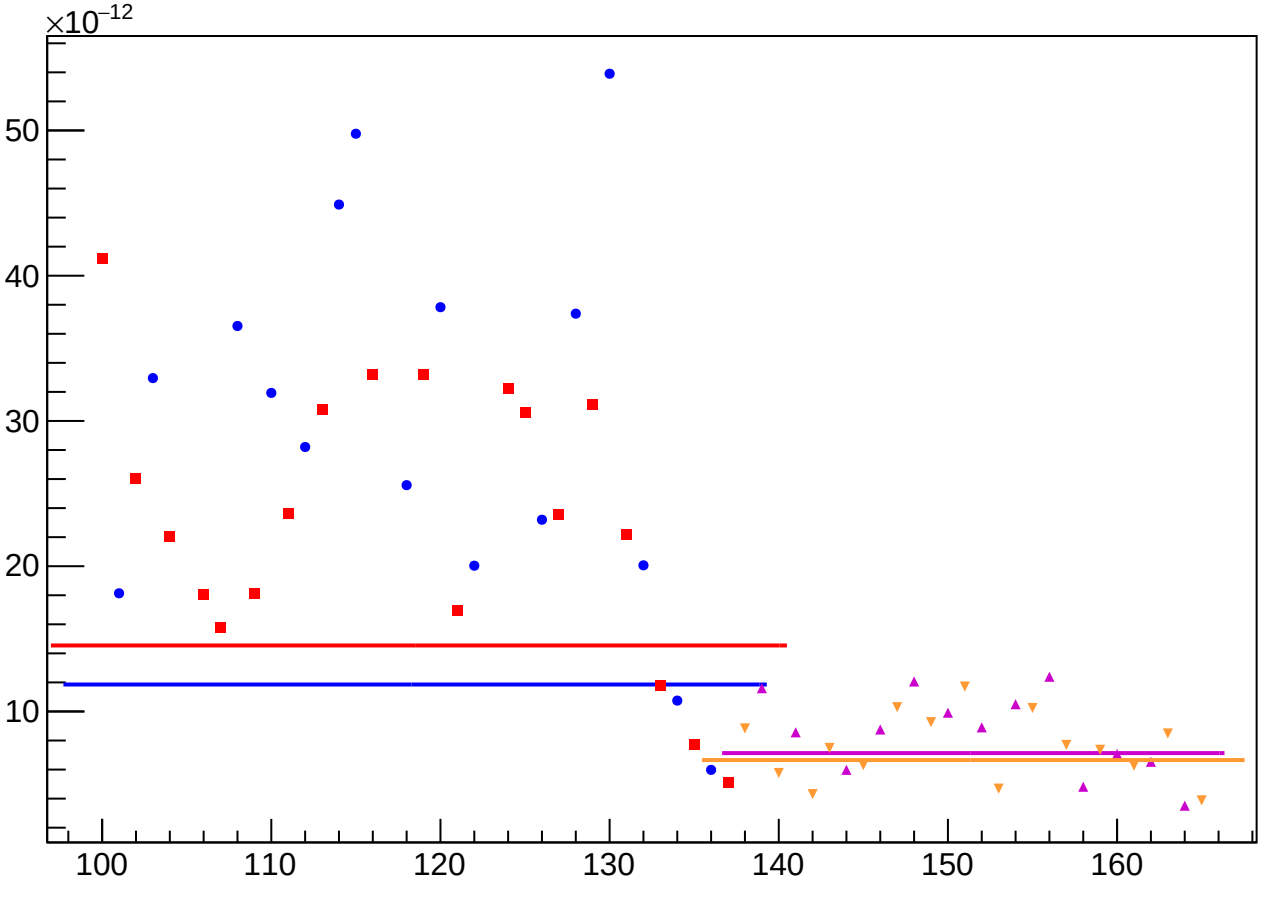
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:31.1/28

Out: -0.000+/-0.000 χ^2/NDF:19.3/33

All: -0.000+/-0.000 χ^2/NDF: 51.0/62

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:859911.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1026653.9/12

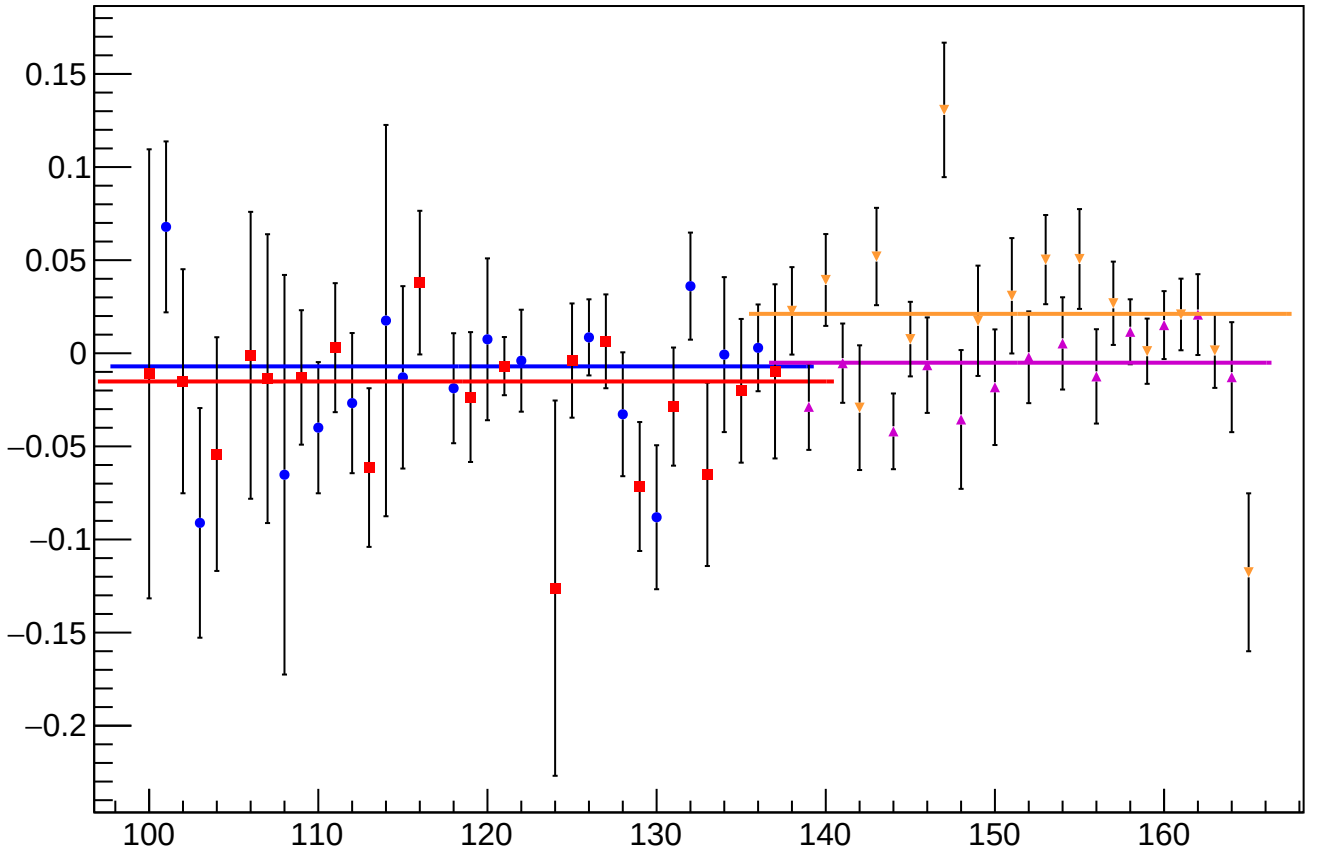
Left: 0.000+/-0.000 χ^2/NDF: 1906906.6/27

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:4444485.1/28

Out: 0.000+/-0.000 χ^2/NDF:3921833.8/33

All: 0.000+/-0.000 χ^2/NDF: 8384512.4/62



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.006 χ^2/NDF:29.7/14

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:9.1/12

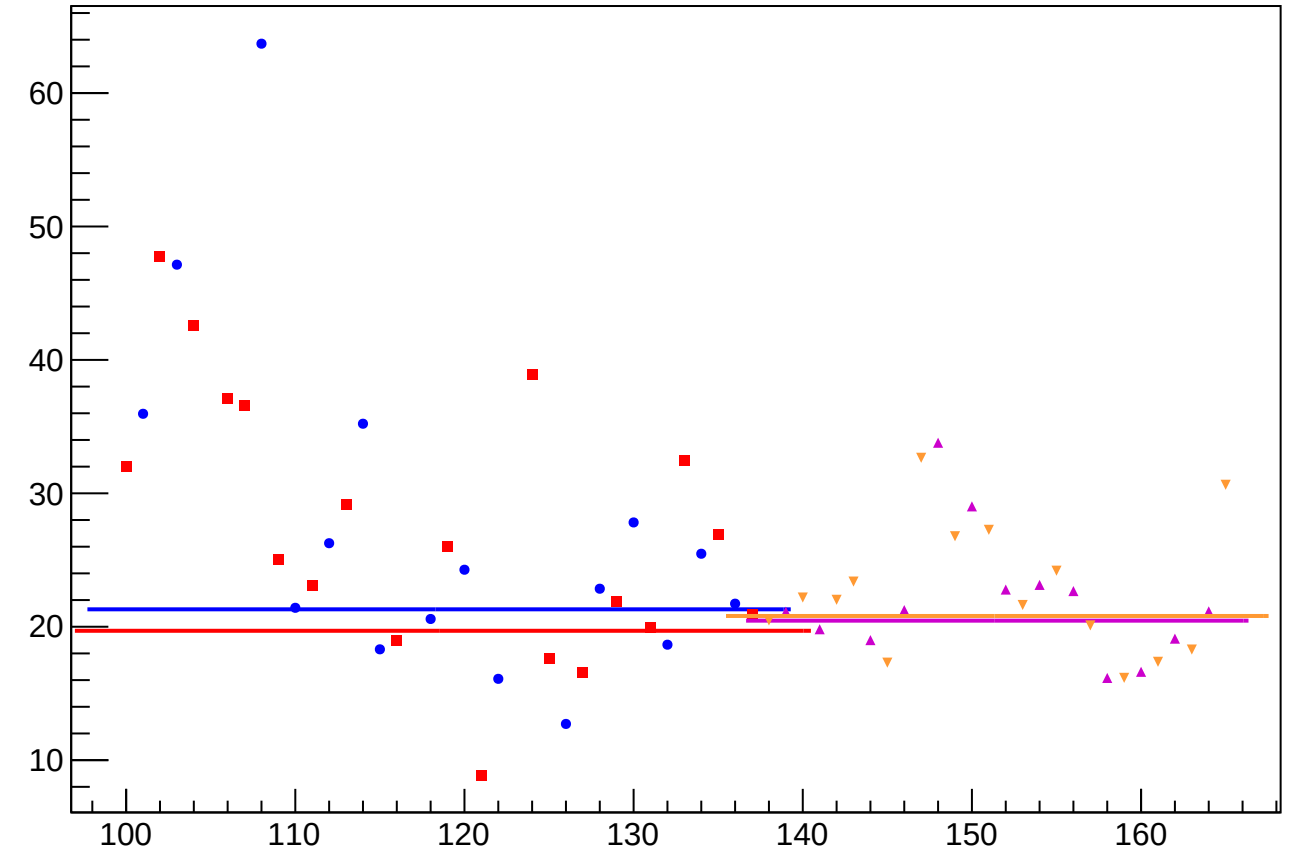
Left: 0.008+/-0.004 χ^2/NDF: 47.3/27

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/28

Out: 0.008+/-0.005 χ^2/NDF:52.1/33

All: 0.001+/-0.004 χ^2/NDF: 79.1/62



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.807+/-0.004 χ^2/NDF:853169.8/14

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

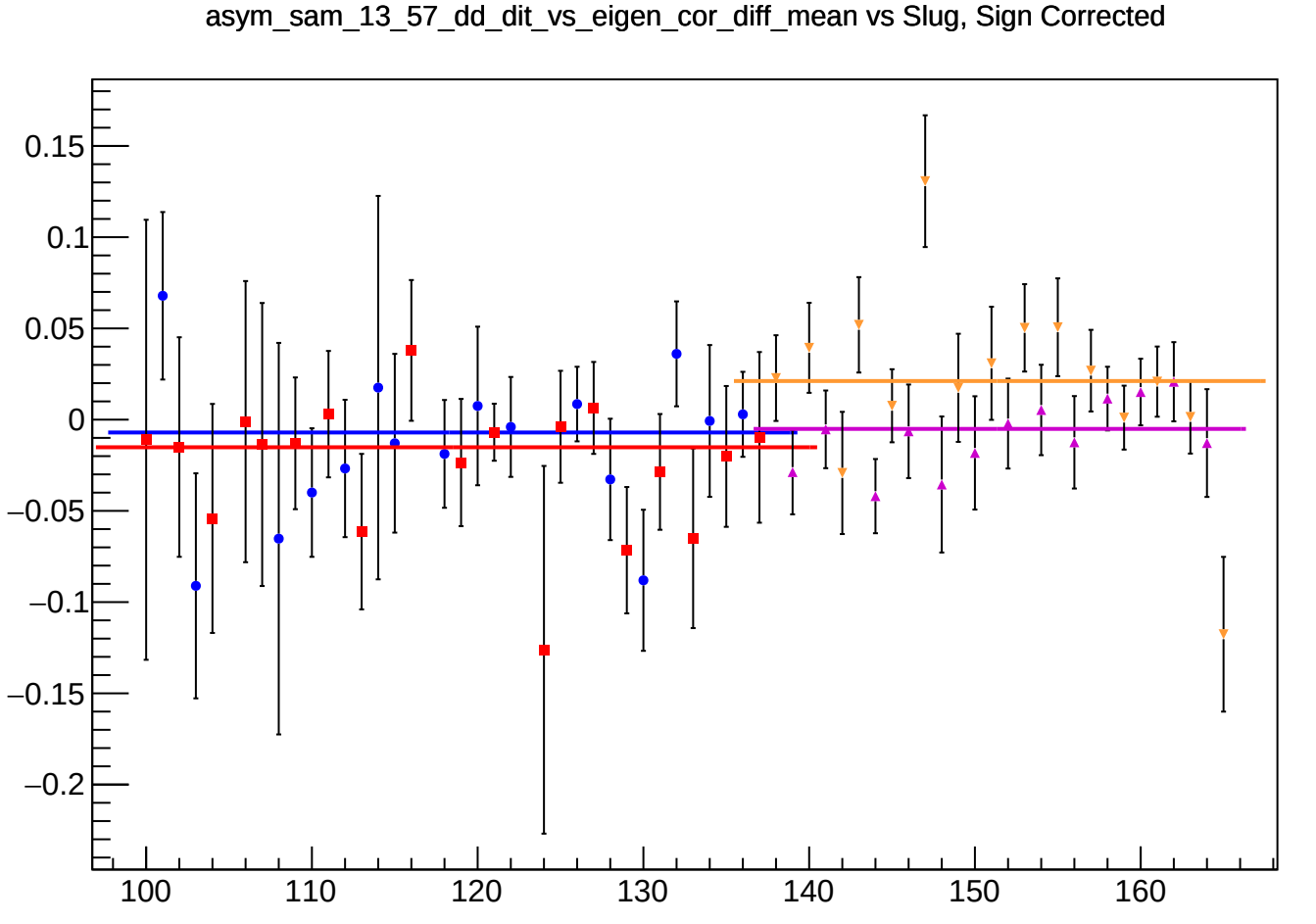
Left: 20.636+/-0.003 χ^2/NDF: 1554991.9/27

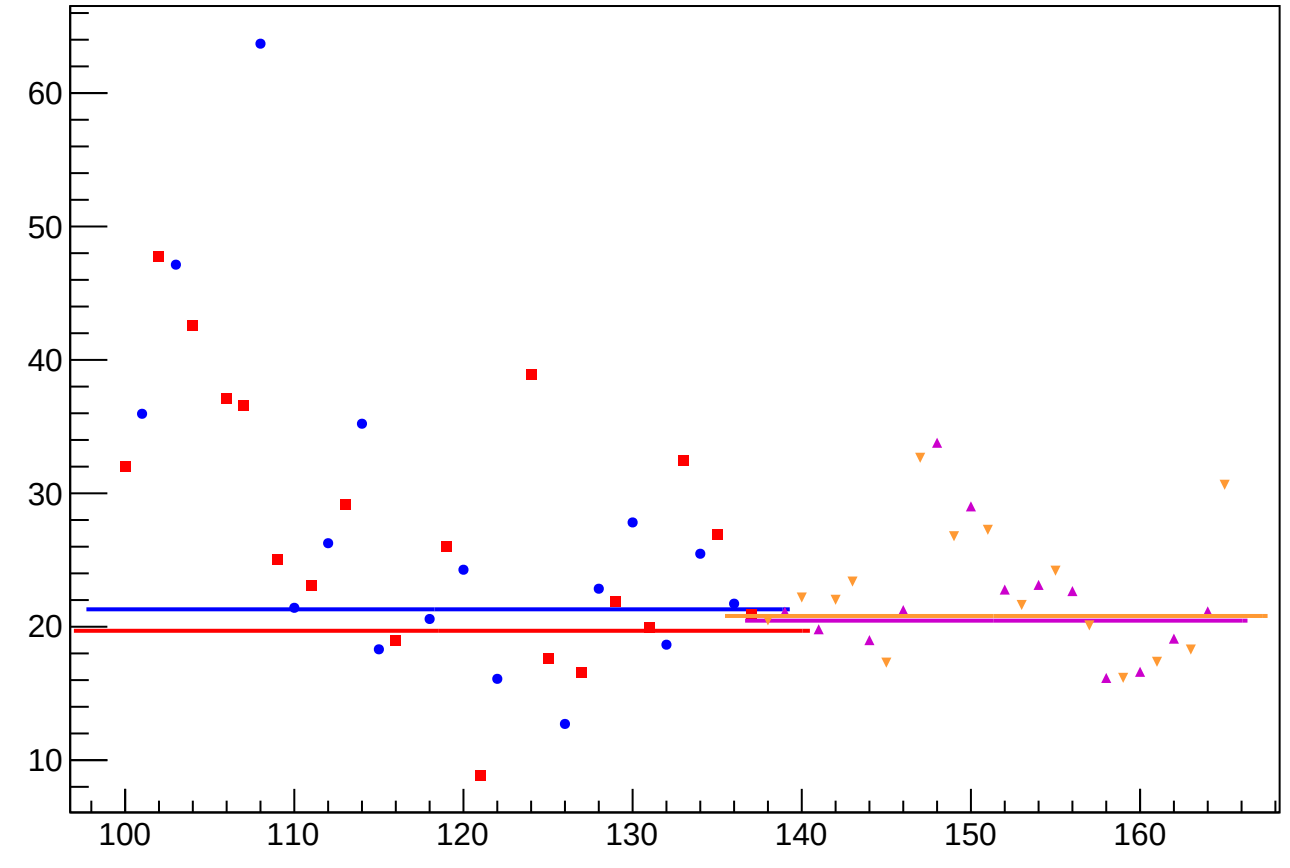
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.759+/-0.004 χ^2/NDF:2190639.5/28

Out: 20.398+/-0.004 χ^2/NDF:3315170.8/33

All: 20.573+/-0.003 χ^2/NDF: 5510874.6/62


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
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.006 χ²/NDF:29.7/14
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.005+/-0.006 χ²/NDF:9.1/12
Left: 0.008+/-0.004 χ²/NDF: 47.3/27
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:23.4/28
Out: 0.008+/-0.005 χ²/NDF:52.1/33
All: 0.001+/-0.004 χ²/NDF: 79.1/62



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.807+/-0.004 χ^2/NDF:853169.8/14

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

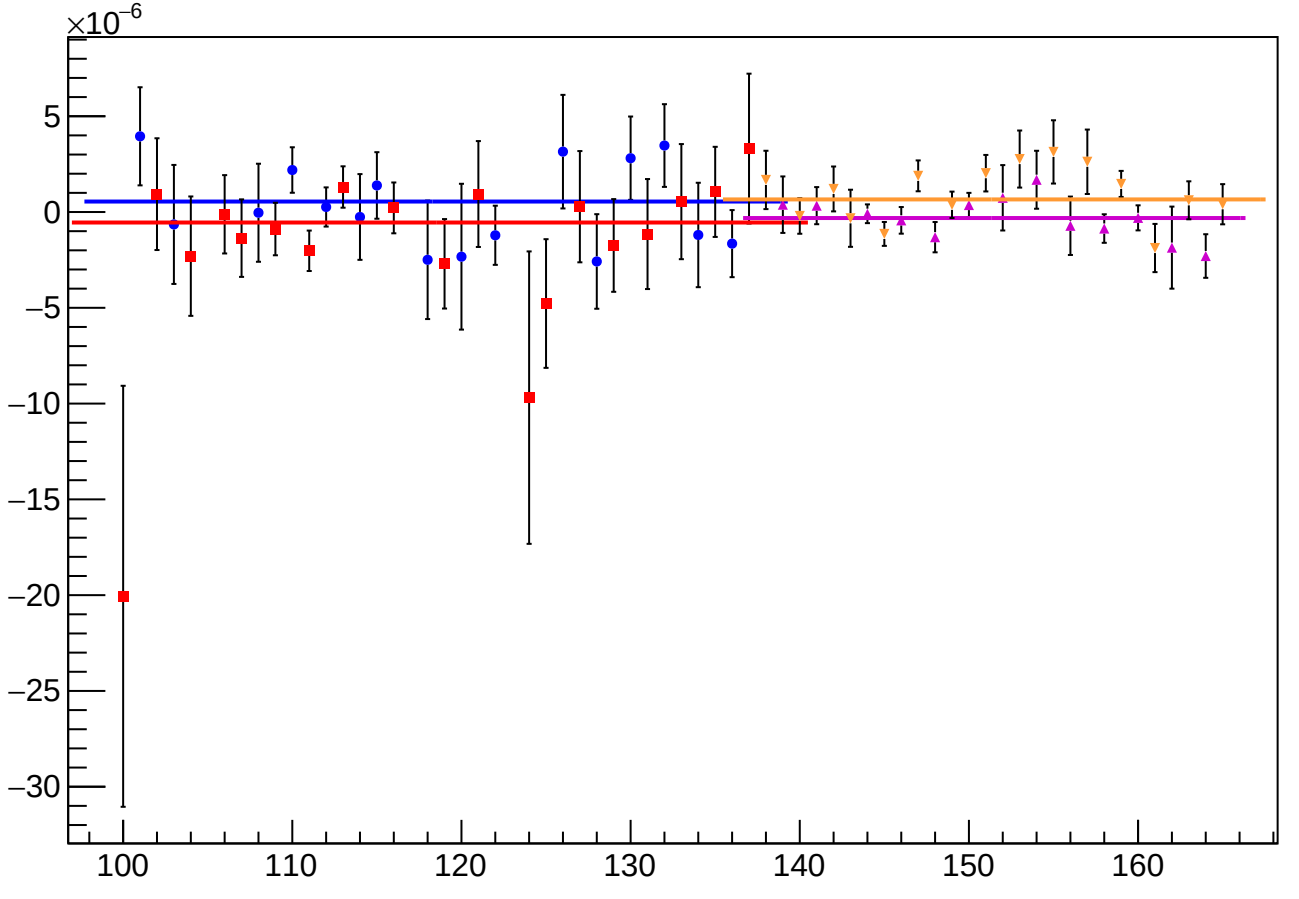
Left: 20.636+/-0.003 χ^2/NDF: 1554991.9/27

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.759+/-0.004 χ^2/NDF:2190639.5/28

Out: 20.398+/-0.004 χ^2/NDF:3315170.8/33

All: 20.573+/-0.003 χ^2/NDF: 5510874.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

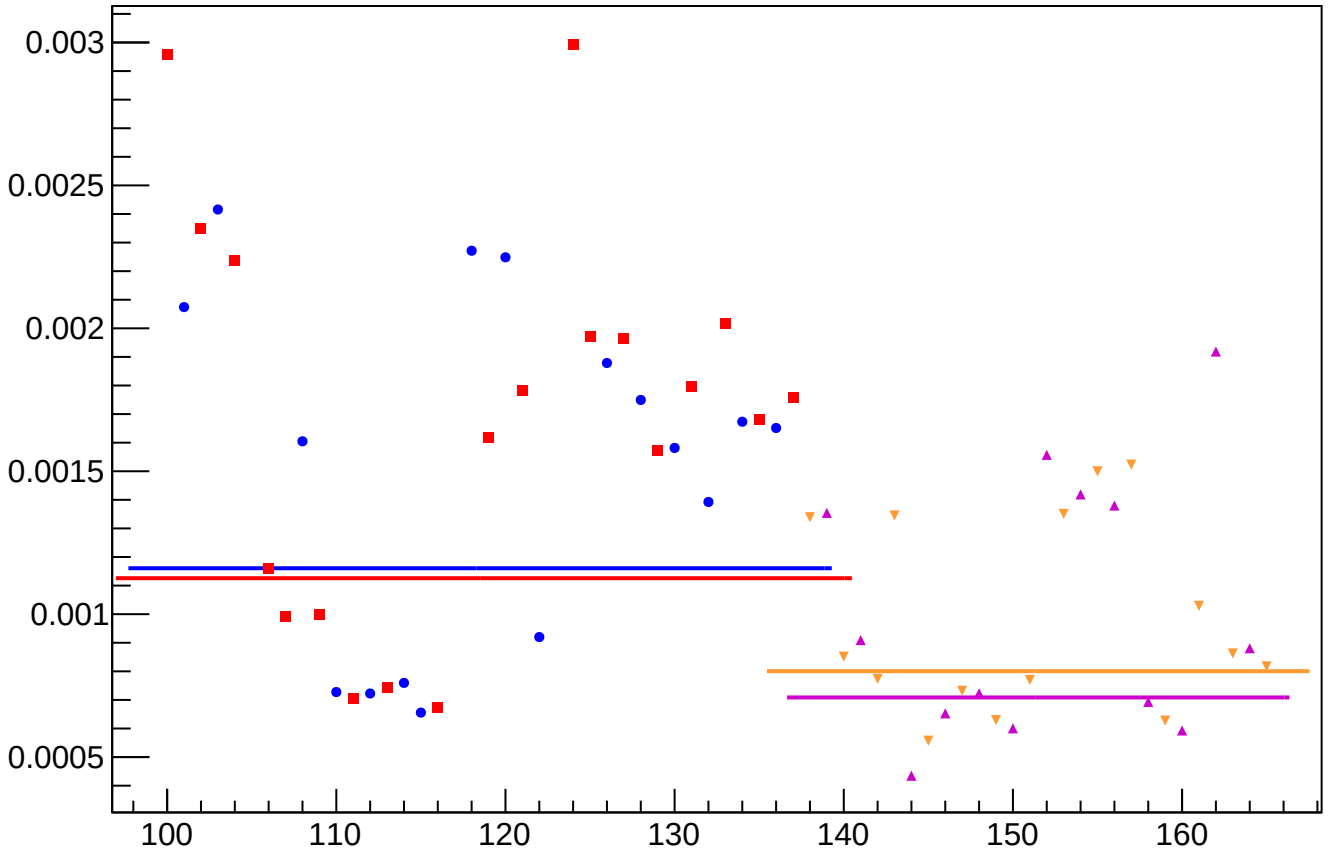
Left: 0.000+/-0.000 χ^2/NDF: 44.0/27

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:27.0/28

Out: 0.000+/-0.000 χ^2/NDF:46.7/33

All: 0.000+/-0.000 χ^2/NDF: 76.7/62



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2172612.0/14

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3237436.6/12

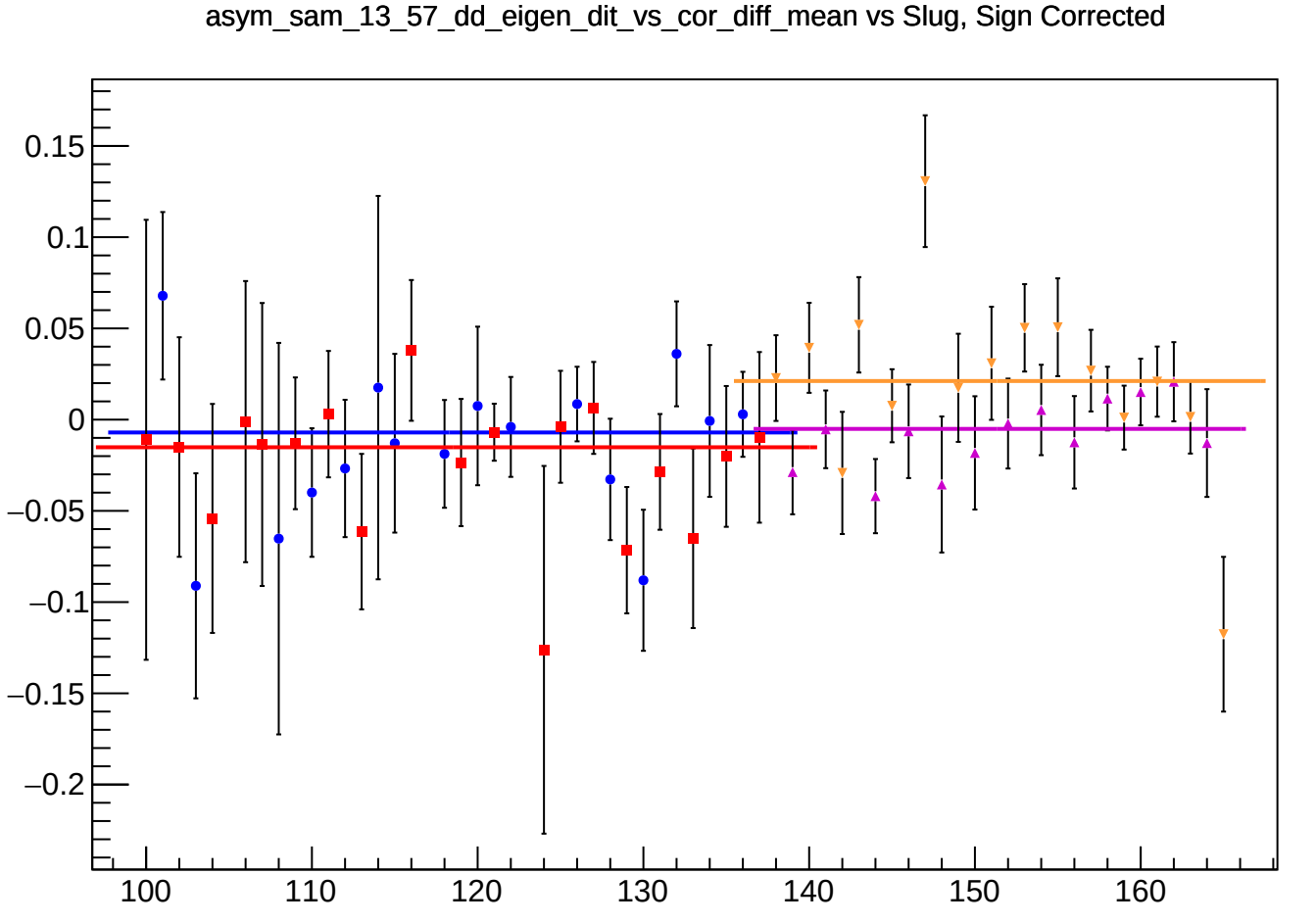
Left: 0.001+/-0.000 χ^2/NDF: 5553752.7/27

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7210146.3/28

Out: 0.001+/-0.000 χ^2/NDF:5572235.2/33

All: 0.001+/-0.000 χ^2/NDF: 12917408.6/62



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.006 χ^2/NDF:29.7/14

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:9.1/12

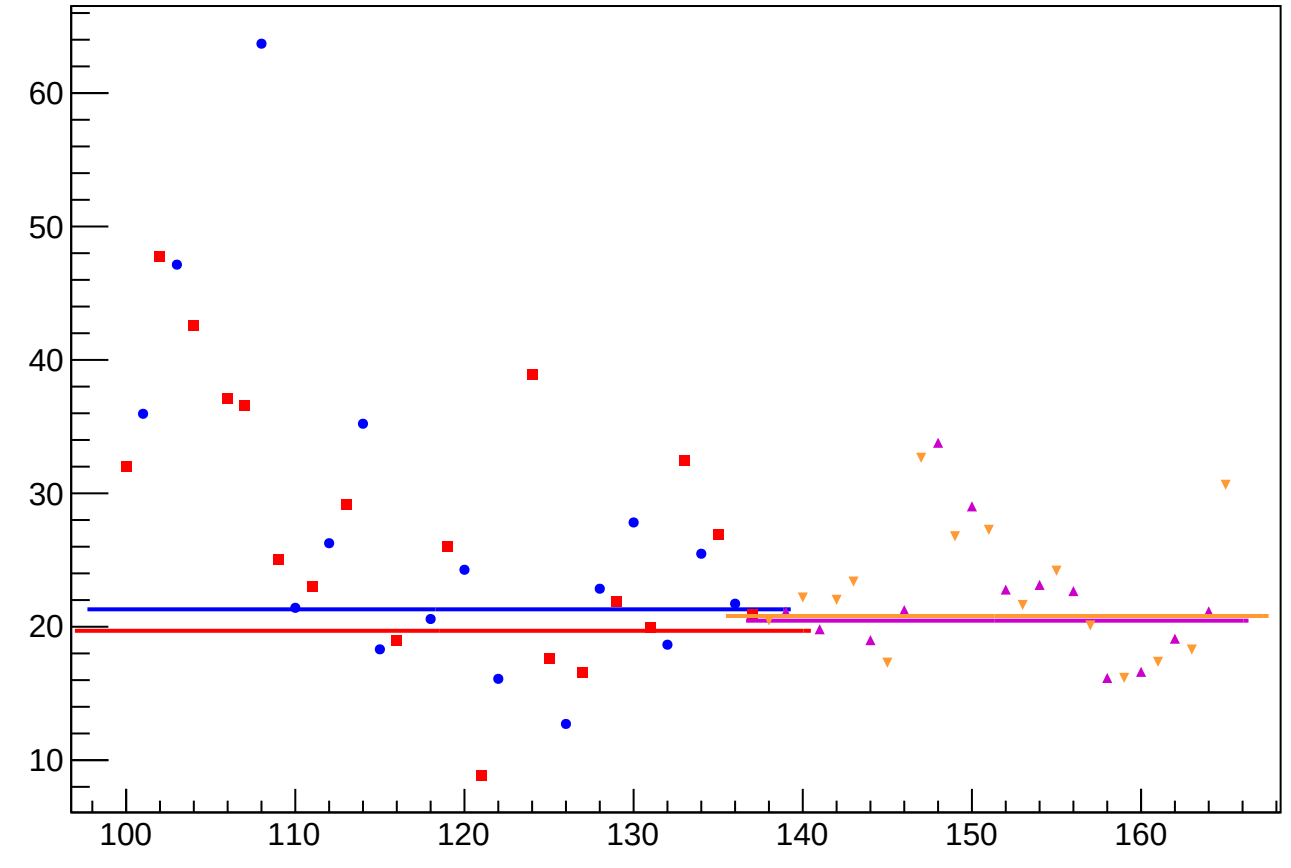
Left: 0.008+/-0.004 χ^2/NDF: 47.3/27

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/28

Out: 0.008+/-0.005 χ^2/NDF:52.1/33

All: 0.001+/-0.004 χ^2/NDF: 79.1/62



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.807+/-0.004 χ^2/NDF:853304.7/14

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

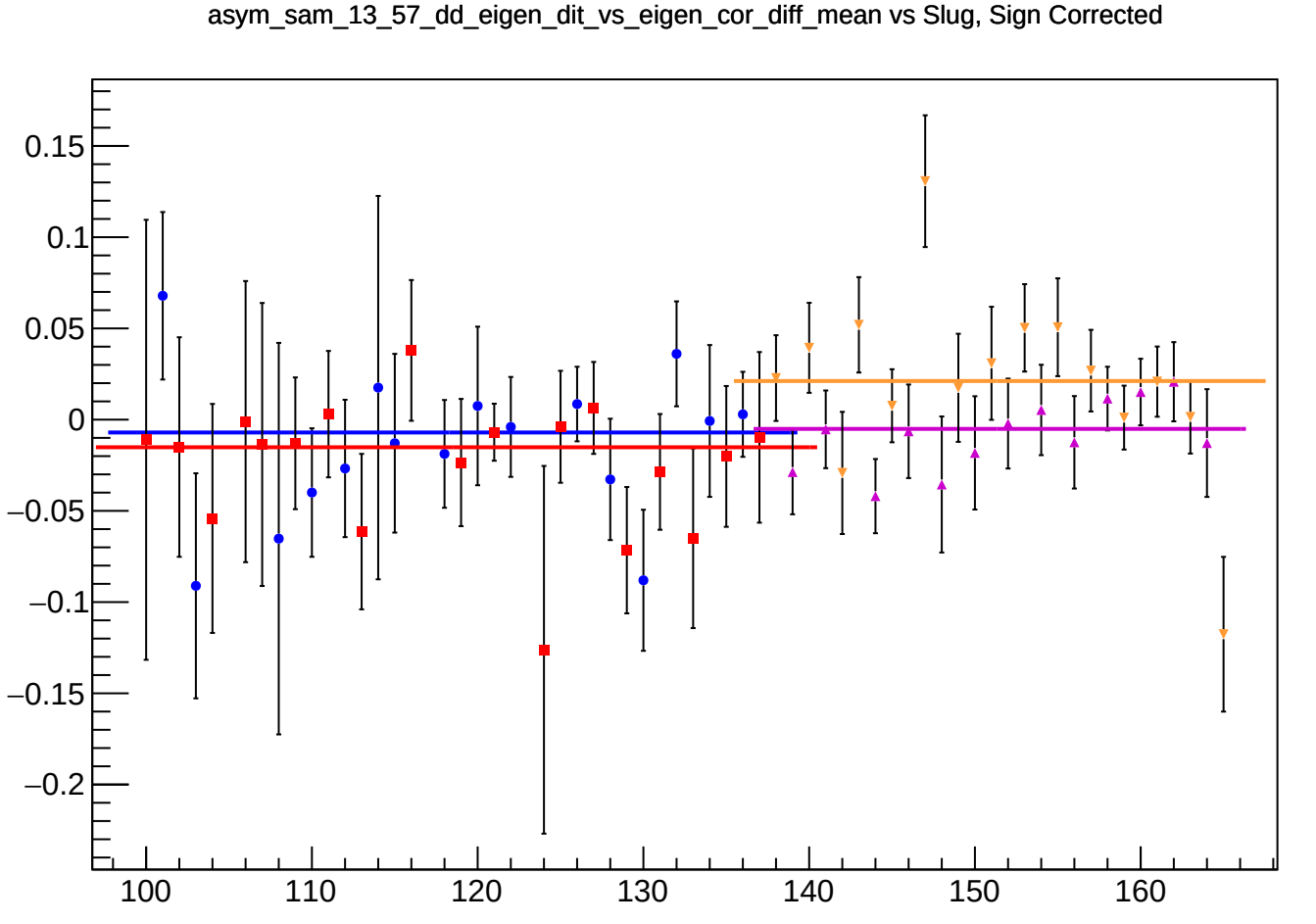
Left: 20.636+/-0.003 χ^2/NDF: 1555243.5/27

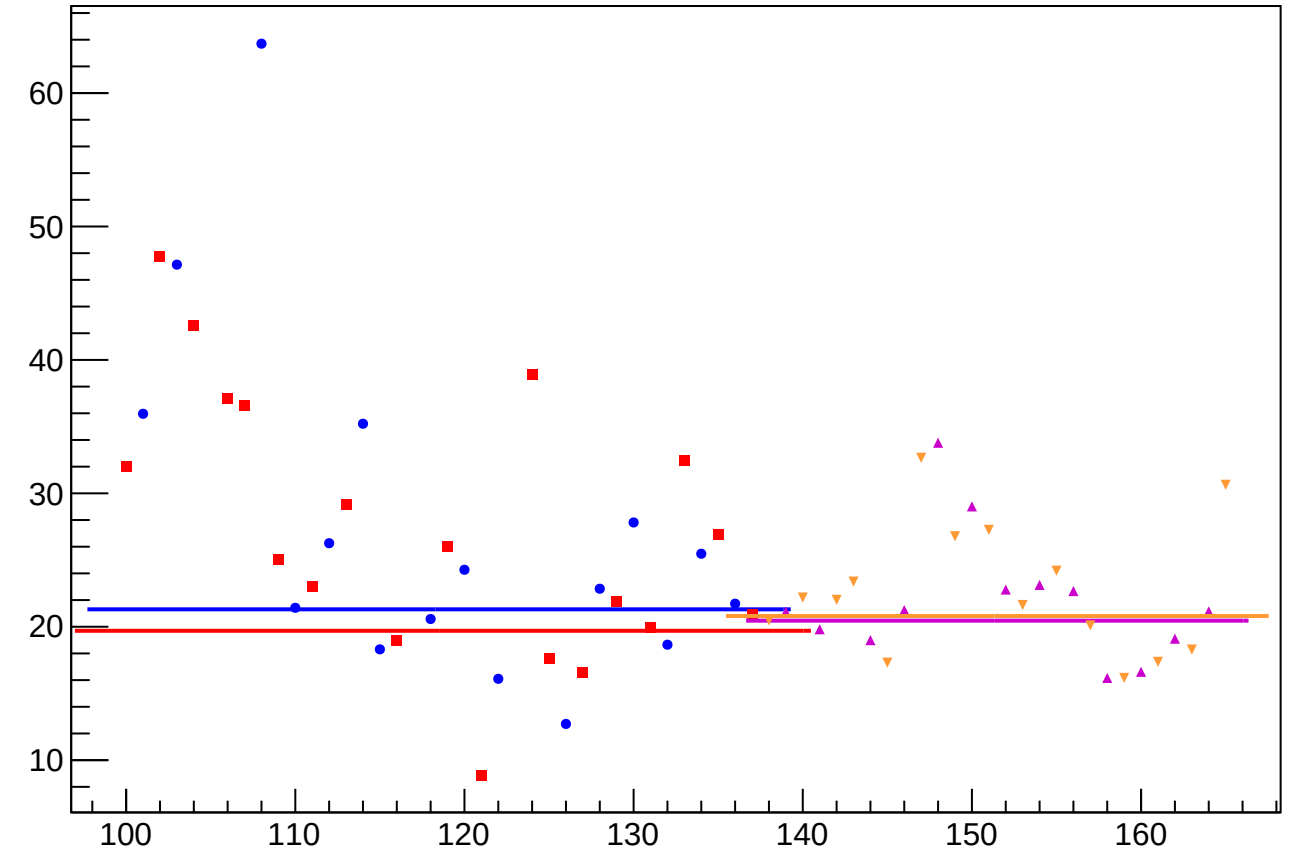
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.759+/-0.004 χ^2/NDF:2190599.9/28

Out: 20.399+/-0.004 χ^2/NDF:3314908.7/33

All: 20.573+/-0.003 χ^2/NDF: 5510568.5/62


asym_sam_13_57_dd_eigen_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
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.006 χ²/NDF:29.7/14
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.005+/-0.006 χ²/NDF:9.1/12
Left: 0.008+/-0.004 χ²/NDF: 47.3/27
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:23.4/28
Out: 0.008+/-0.005 χ²/NDF:52.1/33
All: 0.001+/-0.004 χ²/NDF: 79.1/62



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.807+/-0.004 χ^2/NDF:853304.7/14

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

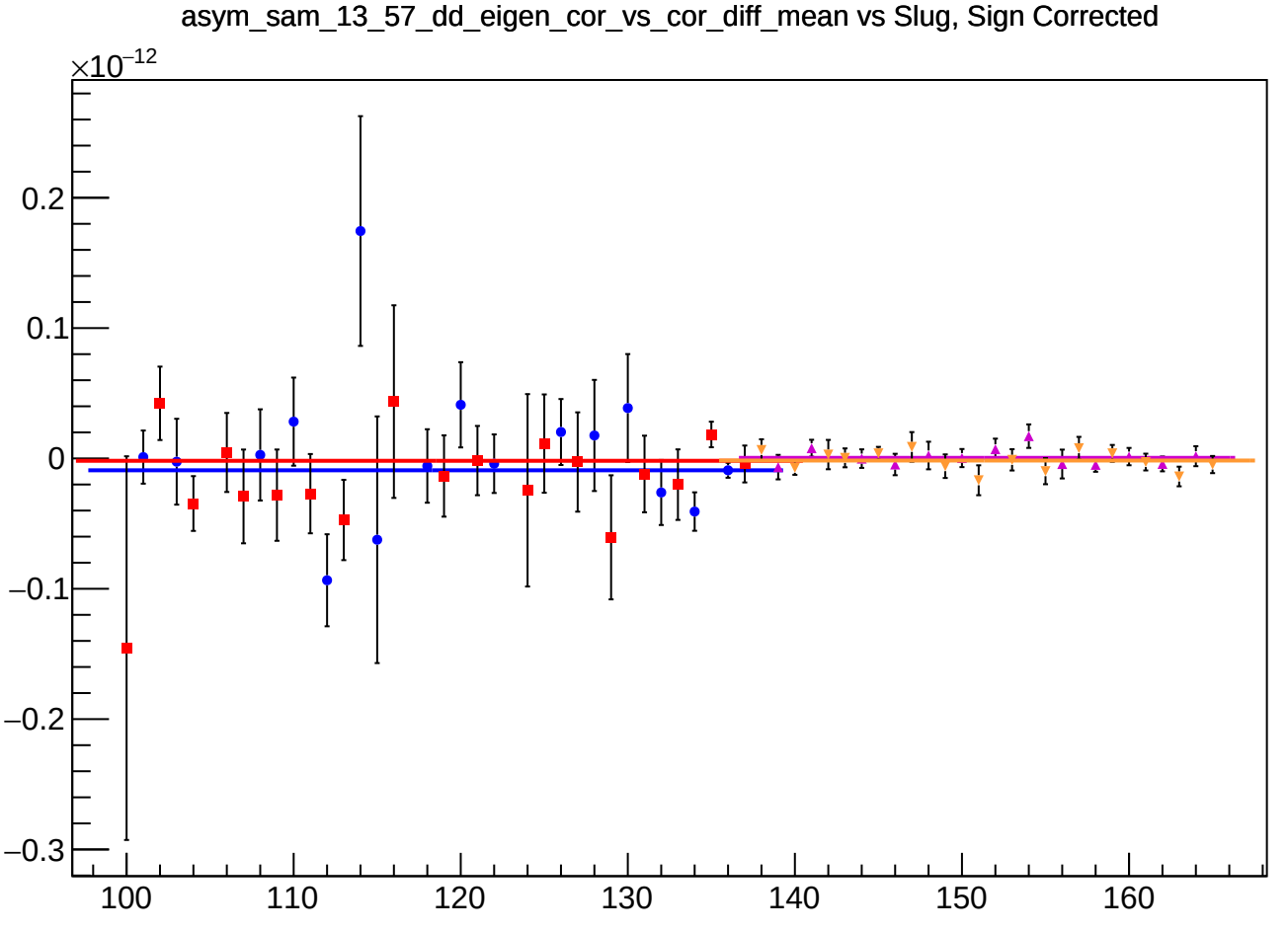
Left: 20.636+/-0.003 χ^2/NDF: 1555243.5/27

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.759+/-0.004 χ^2/NDF:2190599.9/28

Out: 20.399+/-0.004 χ^2/NDF:3314908.7/33

All: 20.573+/-0.003 χ^2/NDF: 5510568.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/12

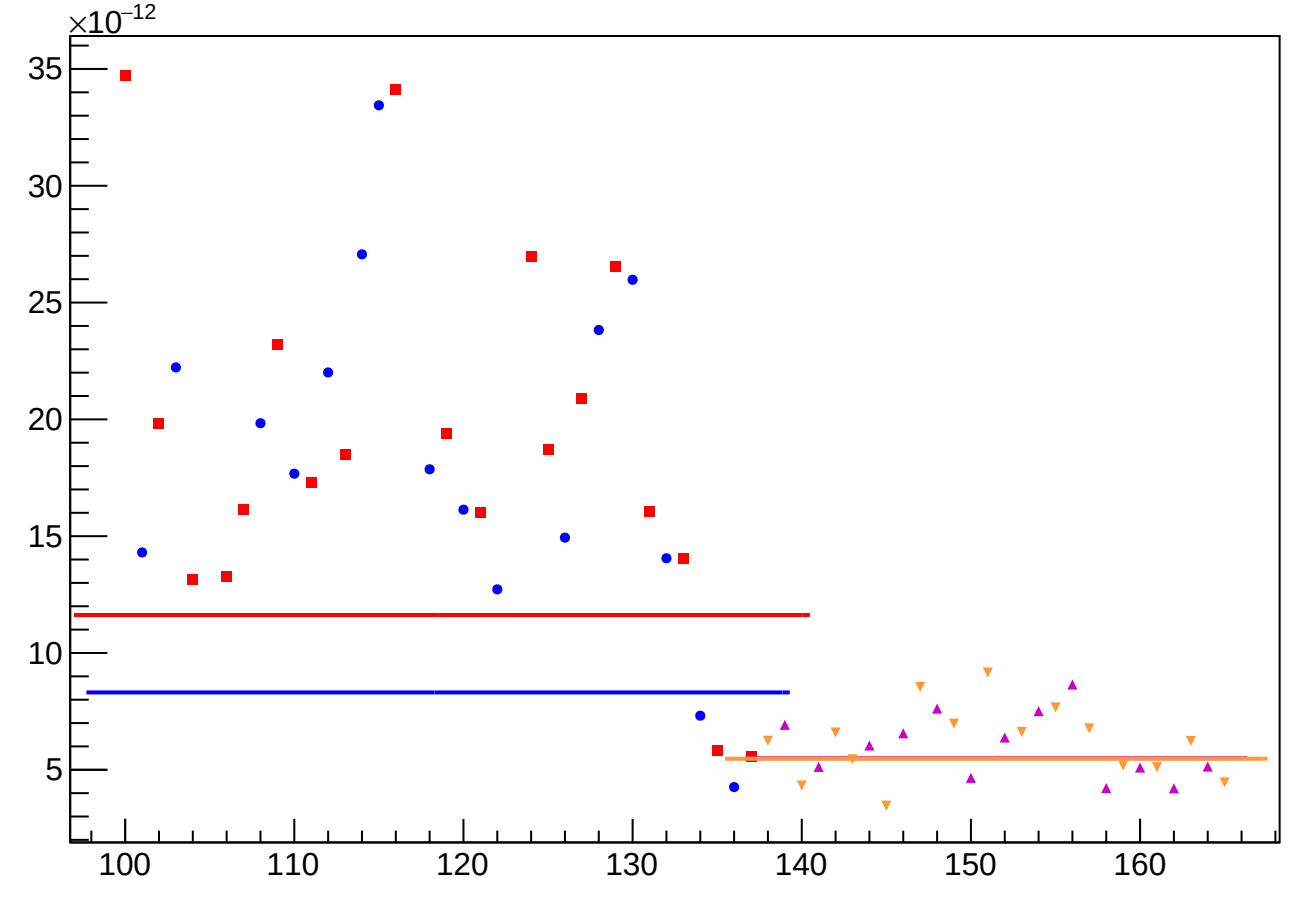
Left: -0.000+/-0.000 χ^2/NDF: 20.6/27

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:34.6/28

Out: -0.000+/-0.000 χ^2/NDF:28.8/33

All: -0.000+/-0.000 χ^2/NDF: 63.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1118094.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:723373.1/12

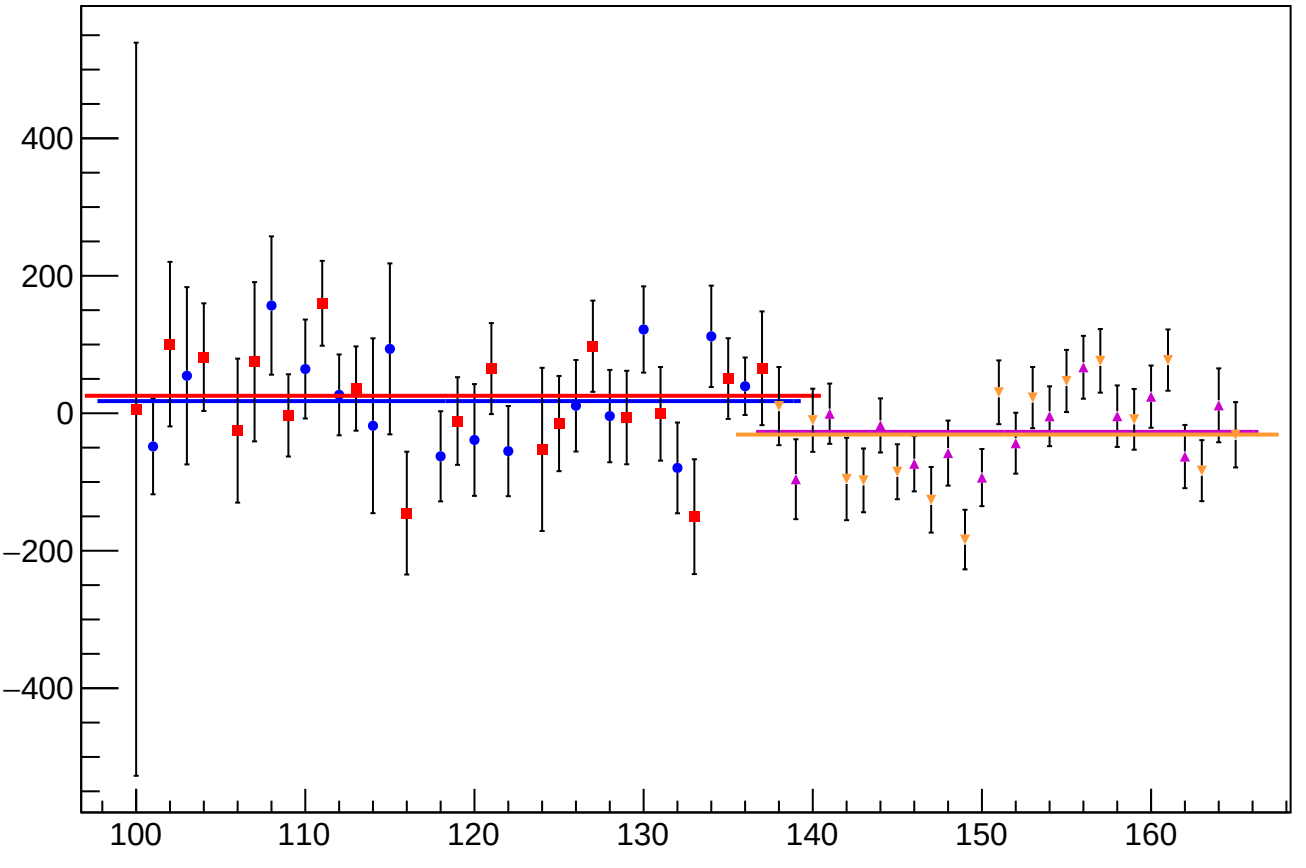
Left: 0.000+/-0.000 χ^2/NDF: 1841558.6/27

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:5107031.6/28

Out: 0.000+/-0.000 χ^2/NDF:5829811.6/33

All: 0.000+/-0.000 χ^2/NDF: 10941970.7/62



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.990+/-11.944 χ^2/NDF:41.3/14

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -27.106+/-12.473 χ^2/NDF:13.4/12

Left: -29.132+/-8.627 χ^2/NDF: 54.8/27

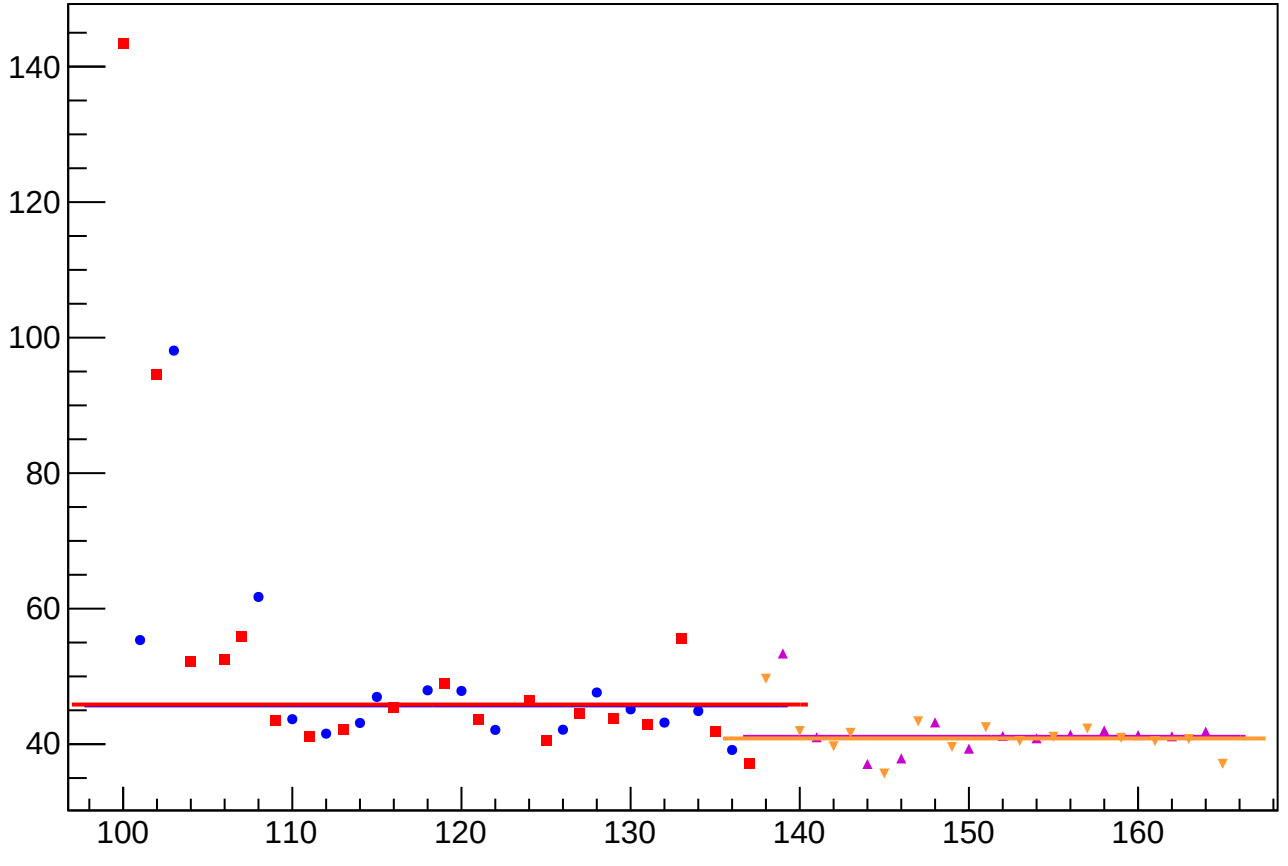
Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -11.978+/-10.151 χ^2/NDF:31.7/28

Out: -12.827+/-9.836 χ^2/NDF:66.3/33

All: -12.416+/-7.064 χ^2/NDF: 98.0/62

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

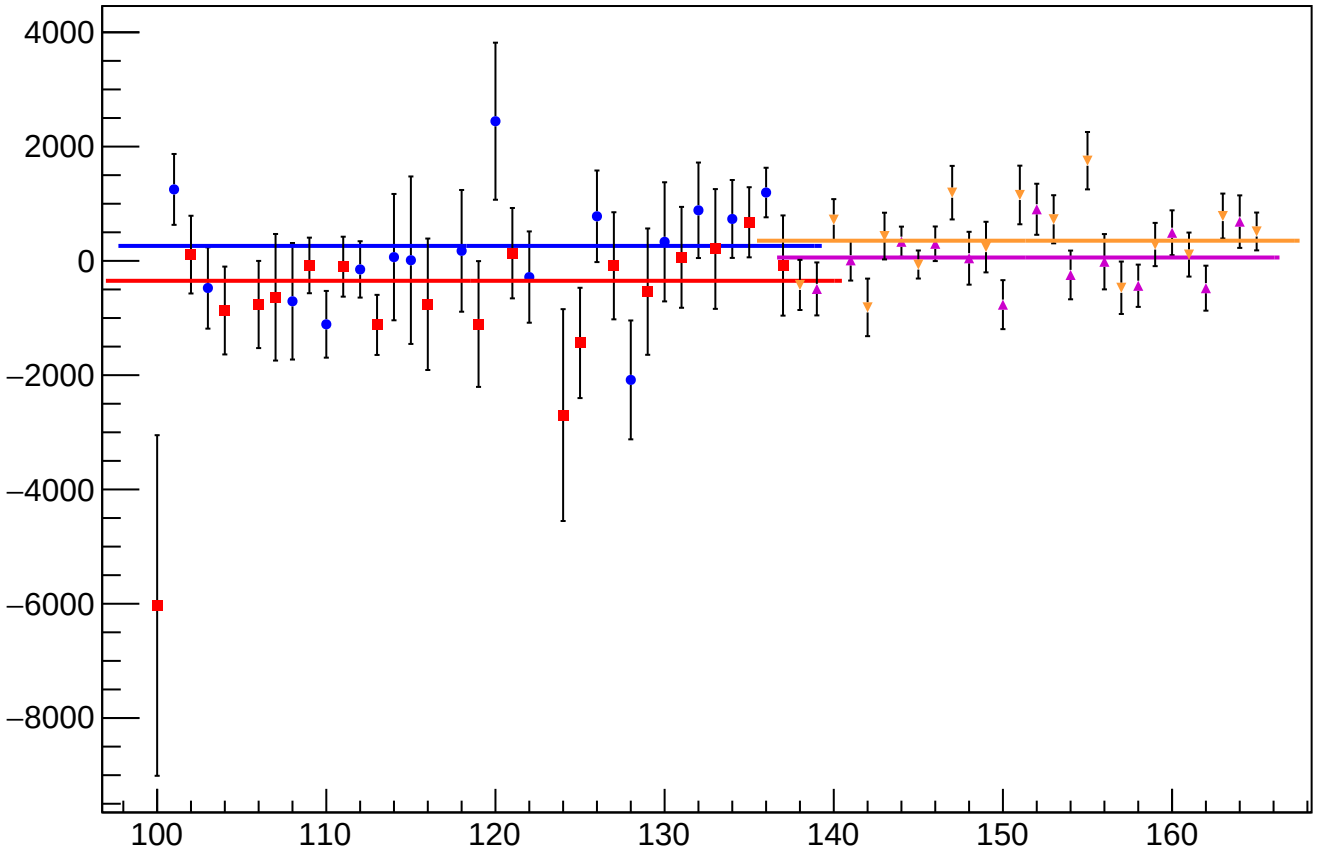
Left: 40.960+/-0.006 χ^2/NDF: 241084.0/27

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.652+/-0.007 χ^2/NDF:726998.5/28

Out: 42.456+/-0.007 χ^2/NDF:761853.3/33

All: 42.551+/-0.005 χ^2/NDF: 1489235.5/62



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 353.115+/-101.751 χ^2/NDF:31.8/14

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 59.019+/-106.772 χ^2/NDF:17.7/12

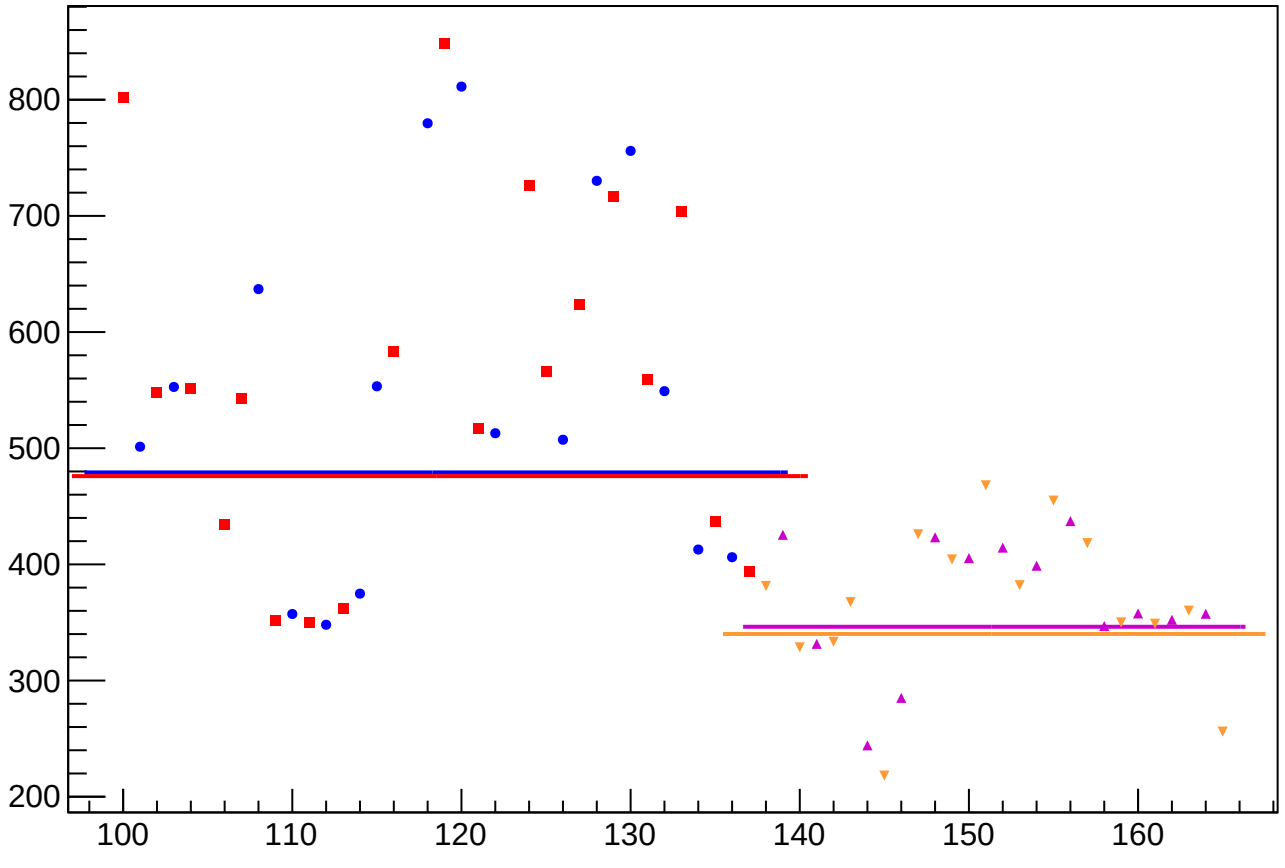
Left: 213.144+/-73.660 χ^2/NDF: 53.5/27

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 109.636+/-92.502 χ^2/NDF:43.6/28

Out: 184.137+/-88.659 χ^2/NDF:58.2/33

All: 148.466+/-64.007 χ^2/NDF: 102.1/62



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075157.2/14

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 346.303+/-0.075 χ^2/NDF:685595.7/12

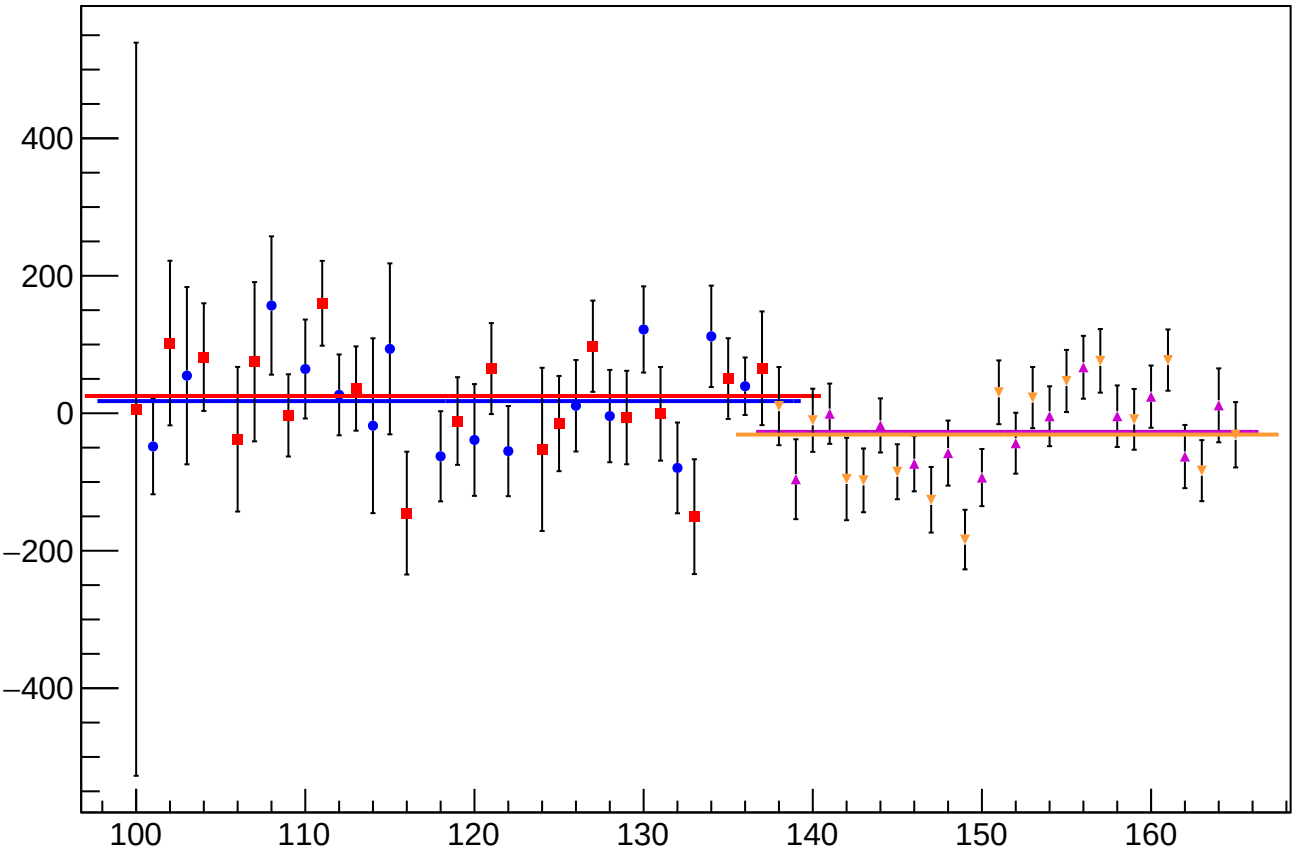
Left: 343.047+/-0.052 χ^2/NDF: 1764302.5/27

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 379.448+/-0.065 χ^2/NDF:2410904.8/28

Out: 372.812+/-0.063 χ^2/NDF:2940699.2/33

All: 375.989+/-0.045 χ^2/NDF: 5356968.1/62



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.992+/-11.944 χ^2/NDF:41.3/14

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.106+/-12.473 χ^2/NDF:13.4/12

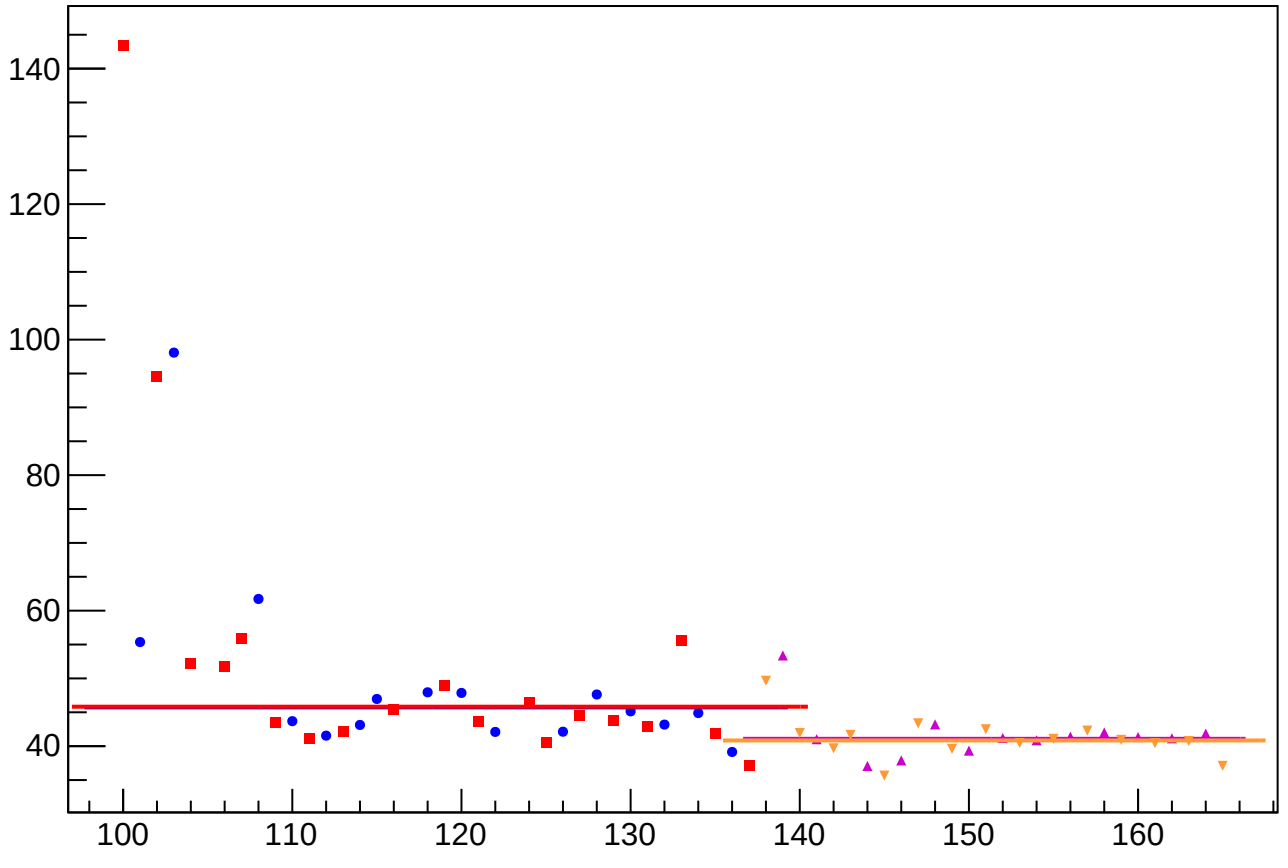
Left: -29.133+/-8.627 χ^2/NDF: 54.8/27

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -11.976+/-10.151 χ^2/NDF:31.7/28

Out: -12.926+/-9.836 χ^2/NDF:66.4/33

All: -12.466+/-7.064 χ^2/NDF: 98.1/62



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

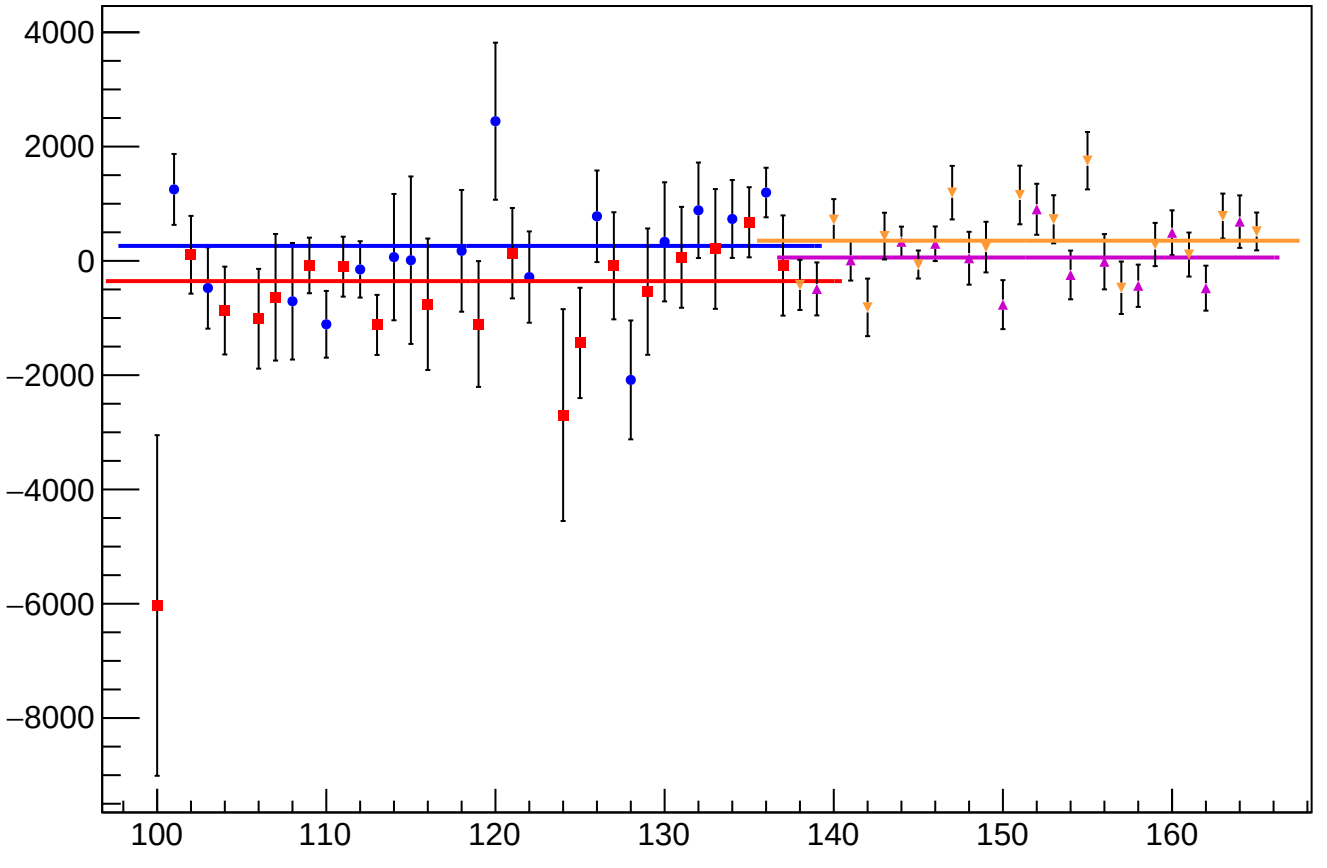
Left: 40.960+/-0.006 χ^2/NDF: 241084.0/27

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.652+/-0.007 χ^2/NDF:727001.5/28

Out: 42.448+/-0.007 χ^2/NDF:759072.3/33

All: 42.547+/-0.005 χ^2/NDF: 1486489.3/62



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 353.114+/-101.751 χ^2/NDF:31.8/14

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 59.020+/-106.772 χ^2/NDF:17.7/12

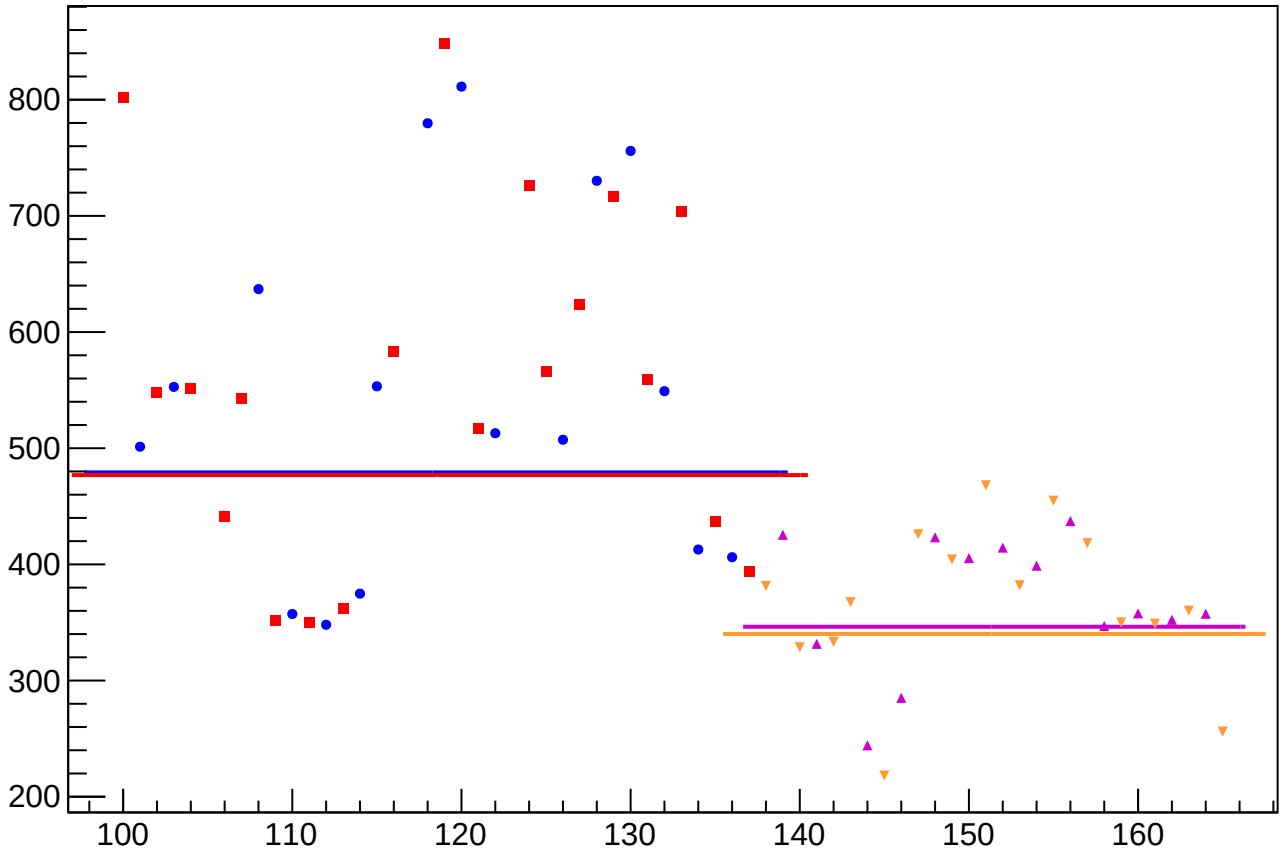
Left: 213.144+/-73.660 χ^2/NDF: 53.5/27

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 109.638+/-92.502 χ^2/NDF:43.6/28

Out: 184.542+/-88.802 χ^2/NDF:58.6/33

All: 148.618+/-64.061 χ^2/NDF: 102.4/62



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075155.4/14

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

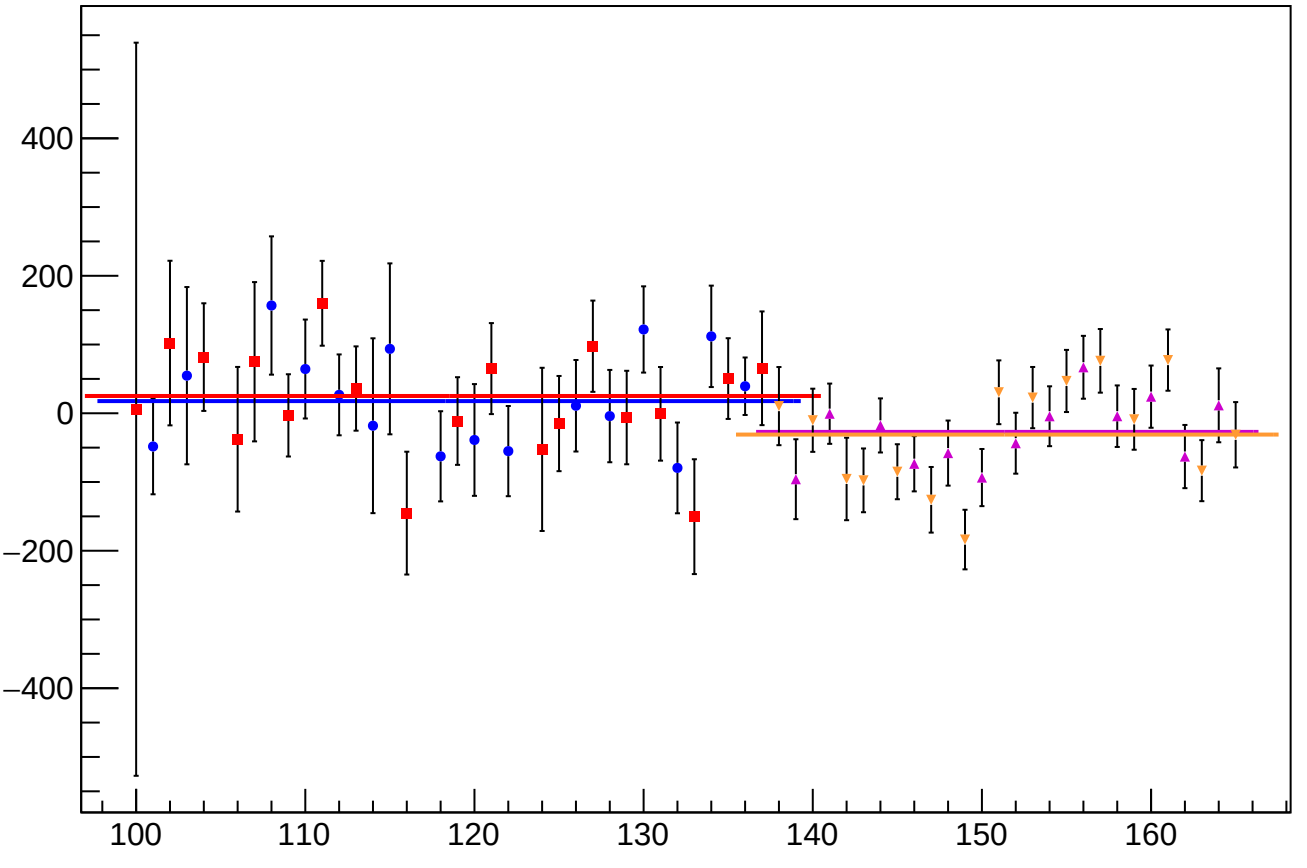
Left: 343.047+/-0.052 χ^2/NDF: 1764301.3/27

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.448+/-0.065 χ^2/NDF:2410951.1/28

Out: 372.693+/-0.063 χ^2/NDF:2940536.3/33

All: 375.933+/-0.045 χ^2/NDF: 5357037.0/62



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.992+/-11.944 χ^2/NDF:41.3/14

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.106+/-12.473 χ^2/NDF:13.4/12

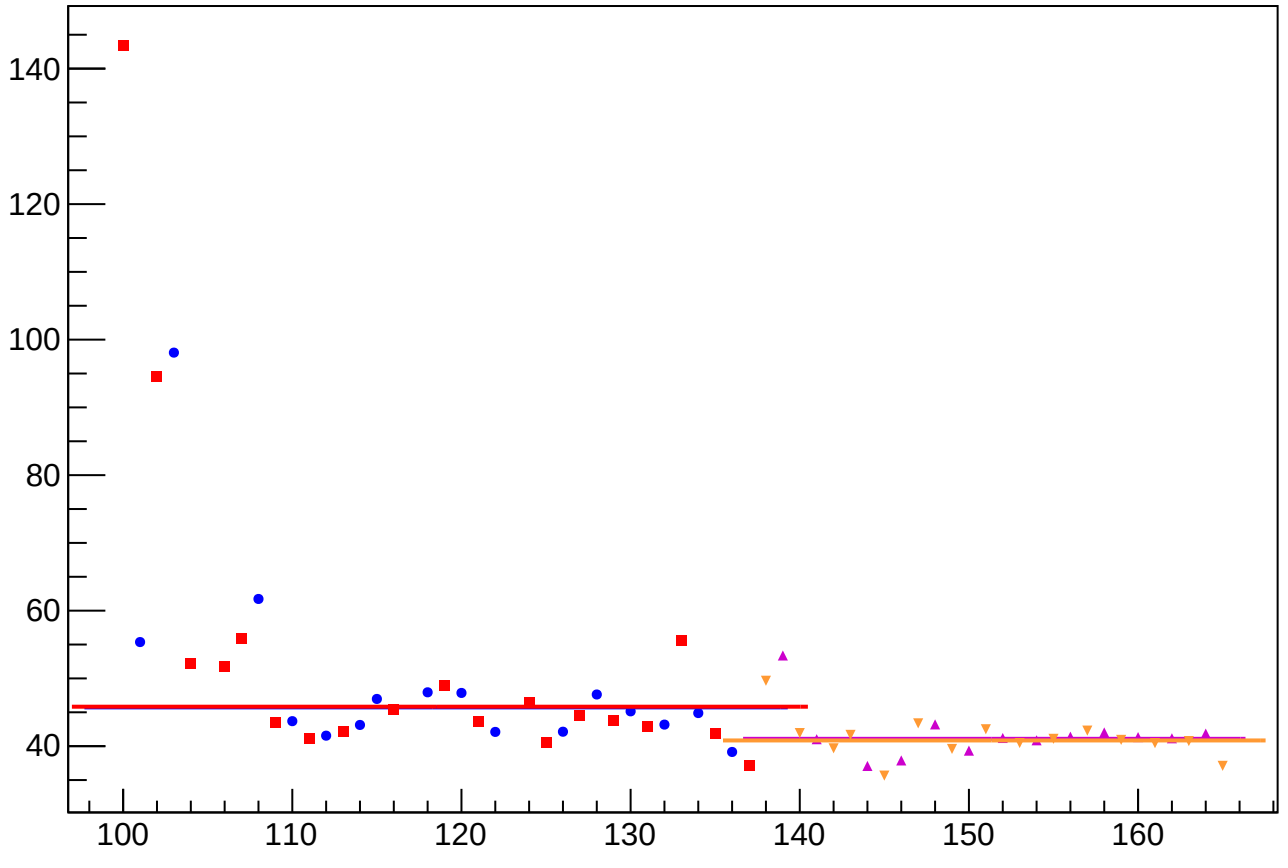
Left: -29.133+/-8.627 χ^2/NDF: 54.8/27

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -11.976+/-10.151 χ^2/NDF:31.7/28

Out: -12.926+/-9.836 χ^2/NDF:66.4/33

All: -12.466+/-7.064 χ^2/NDF: 98.1/62



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

Left: 40.960+/-0.006 χ^2/NDF: 241084.0/27

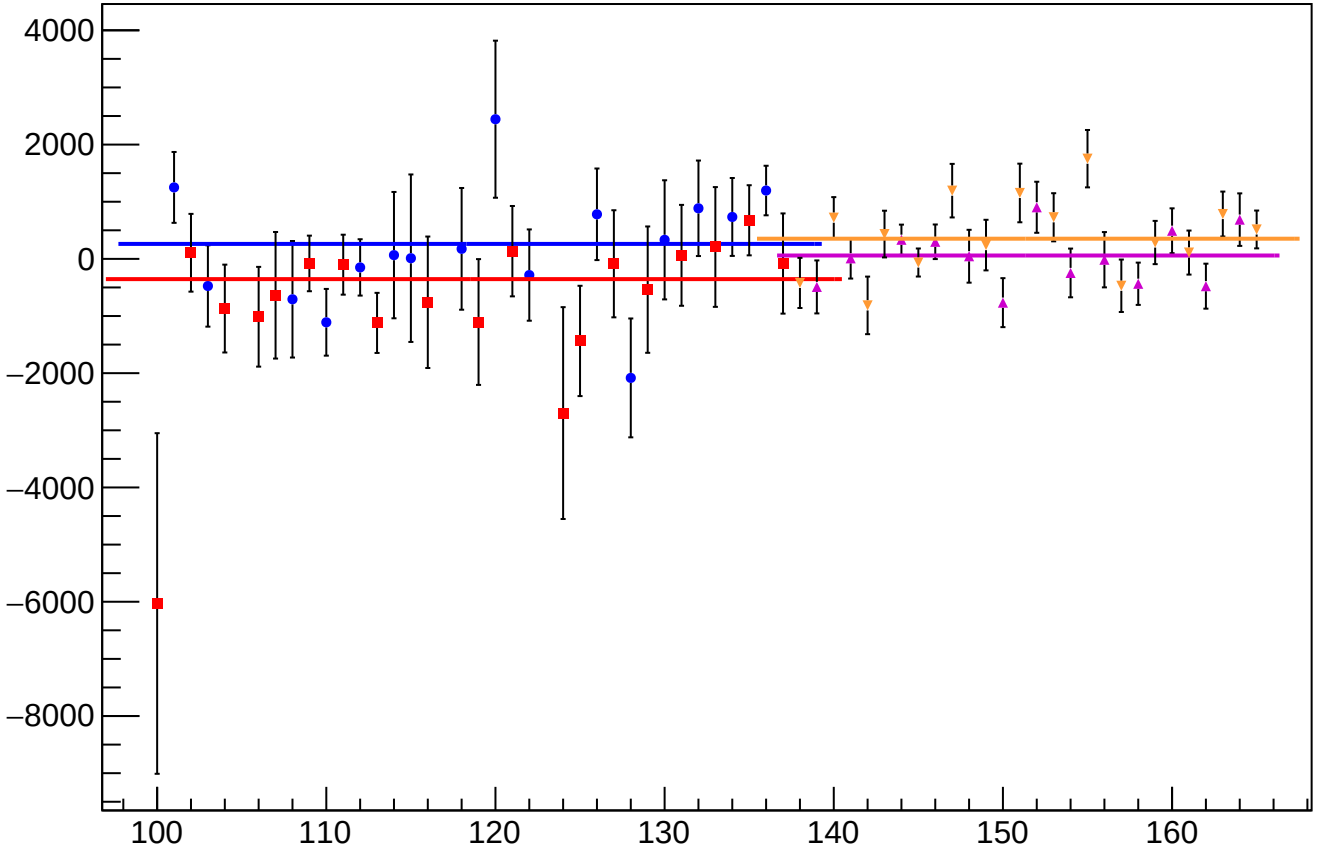
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.652+/-0.007 χ^2/NDF:727001.5/28

Out: 42.448+/-0.007 χ^2/NDF:759072.3/33

All: 42.547+/-0.005 χ^2/NDF: 1486489.3/62

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 353.114+/-101.751 χ^2/NDF:31.8/14

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 59.020+/-106.772 χ^2/NDF:17.7/12

Left: 213.144+/-73.660 χ^2/NDF: 53.5/27

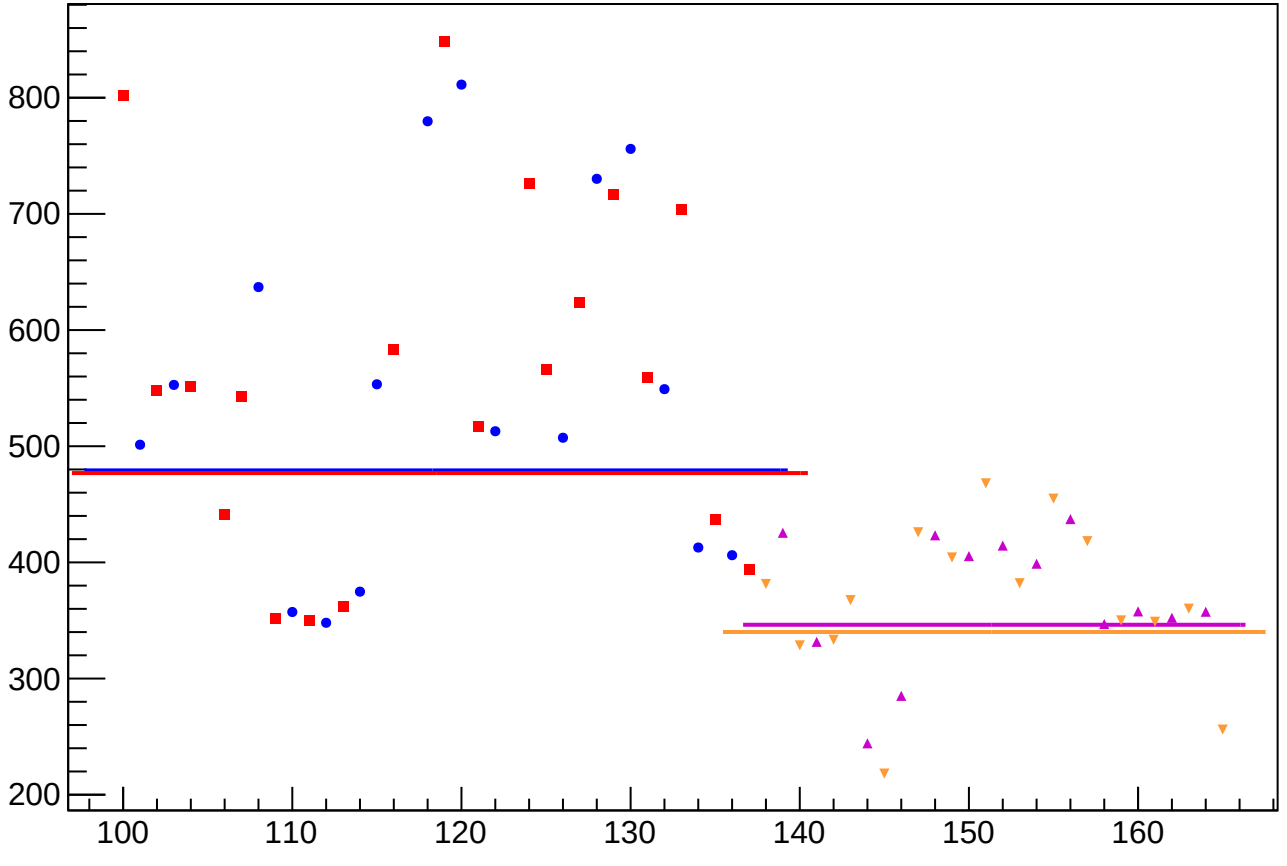
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 109.638+/-92.502 χ^2/NDF:43.6/28

Out: 184.542+/-88.802 χ^2/NDF:58.6/33

All: 148.618+/-64.061 χ^2/NDF: 102.4/62

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: 340.090+/-0.072 χ^2/NDF:1075155.4/14

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

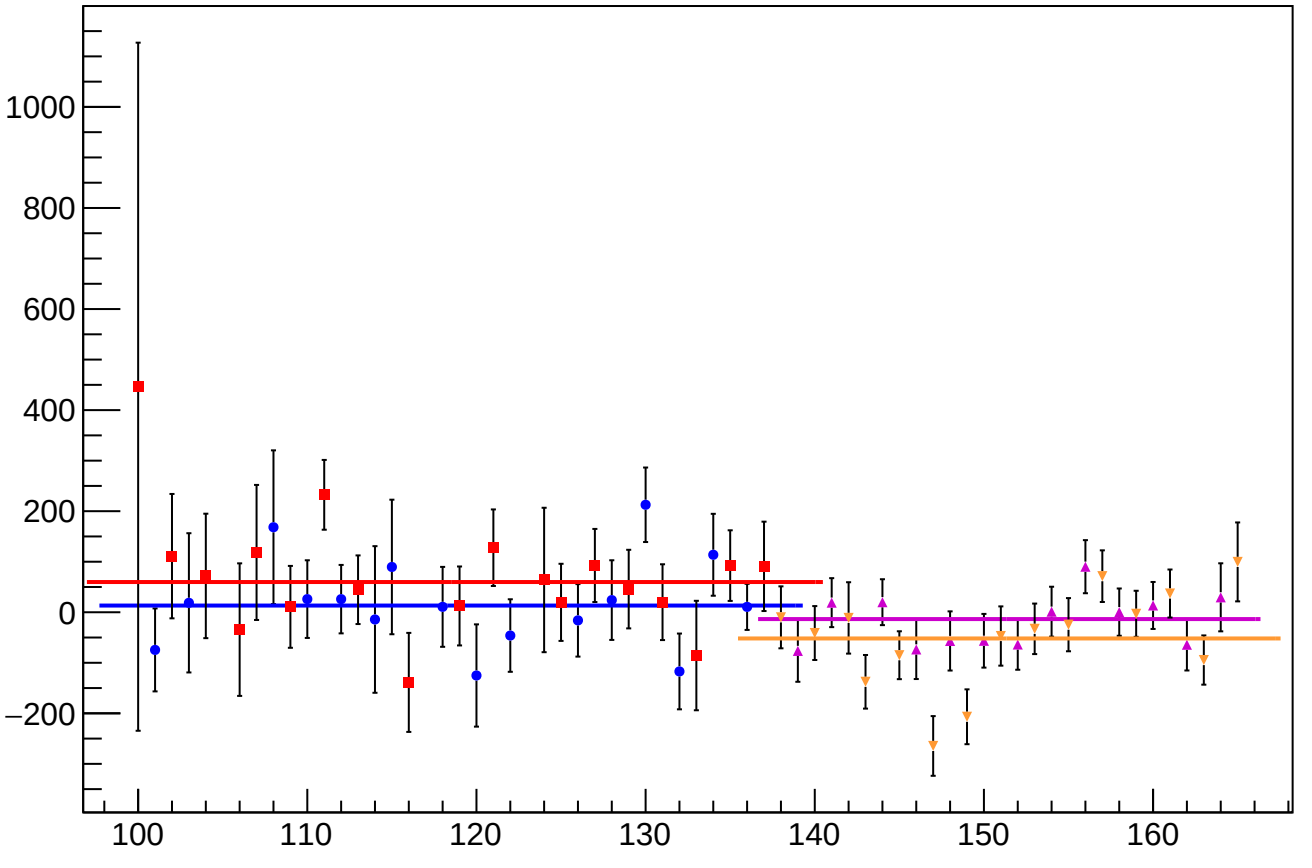
Left: 343.047+/-0.052 χ^2/NDF: 1764301.3/27

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.448+/-0.065 χ^2/NDF:2410951.1/28

Out: 372.693+/-0.063 χ^2/NDF:2940536.3/33

All: 375.933+/-0.045 χ^2/NDF: 5357037.0/62



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.849+/-13.881 χ^2/NDF:40.5/14

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -13.487+/-14.414 χ^2/NDF:11.1/12

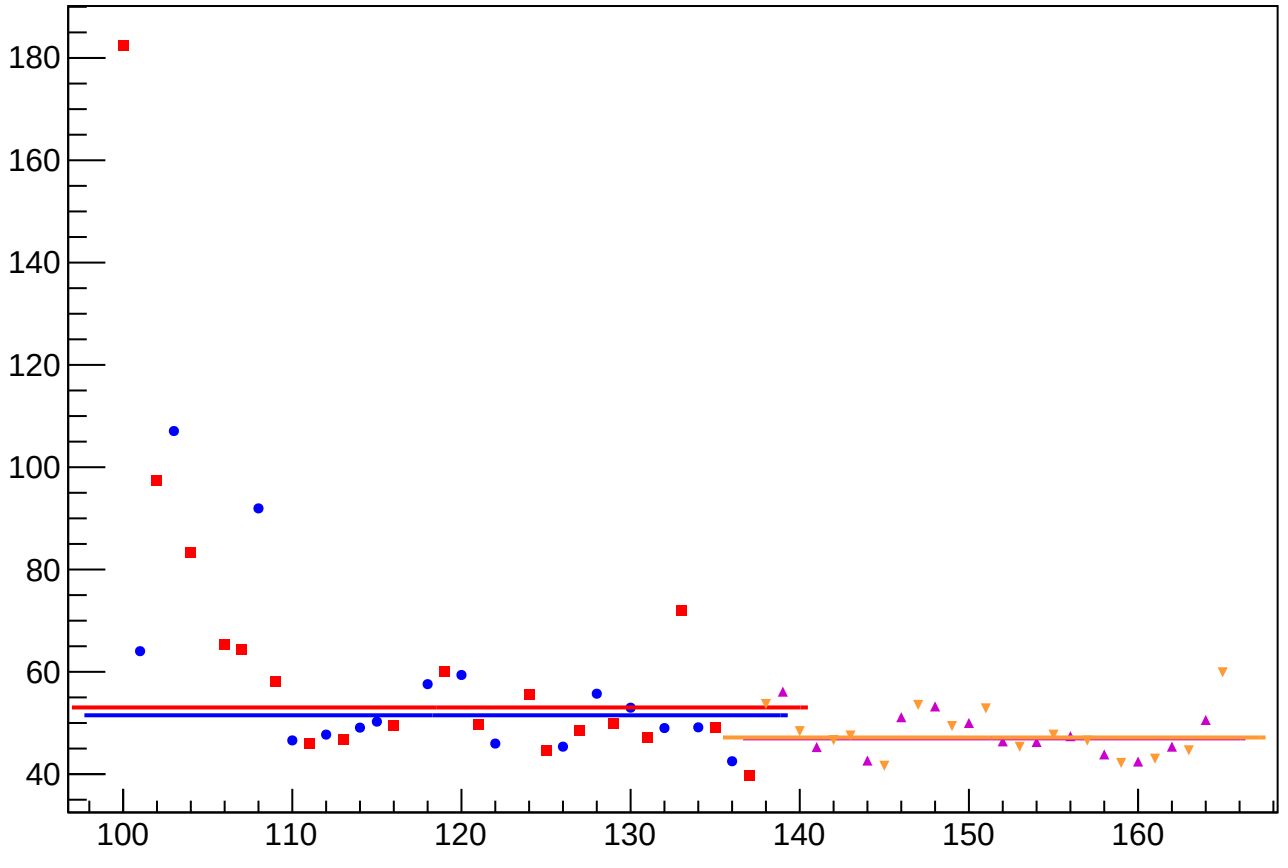
Left: -33.390+/-9.998 χ^2/NDF: 55.3/27

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -4.250+/-11.663 χ^2/NDF:29.5/28

Out: -16.117+/-11.446 χ^2/NDF:77.3/33

All: -10.295+/-8.169 χ^2/NDF: 107.4/62



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.169+/-0.010 χ^2/NDF:197452.6/14

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.991+/-0.010 χ^2/NDF:141025.1/12

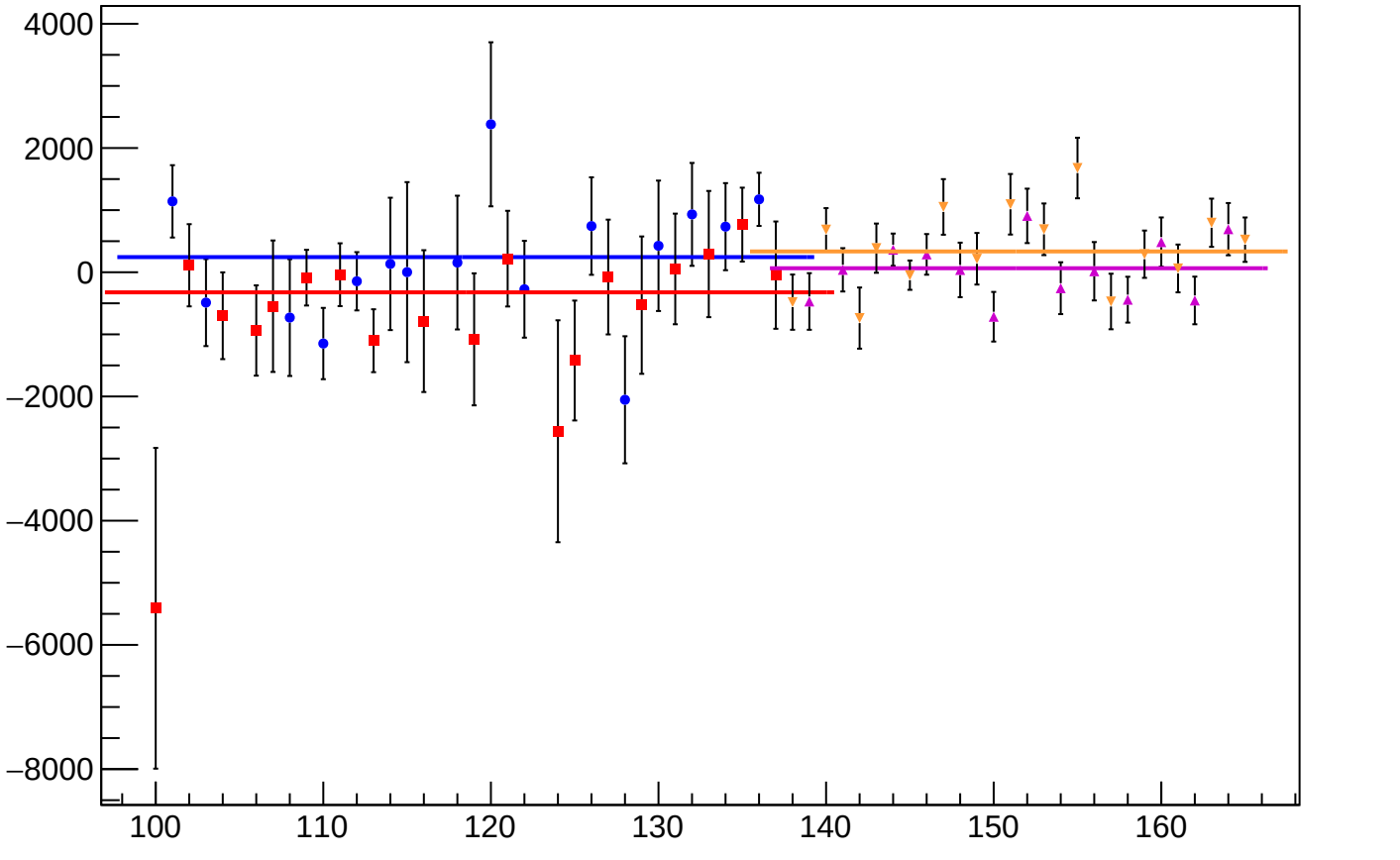
Left: 47.083+/-0.007 χ^2/NDF: 338635.4/27

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.550+/-0.008 χ^2/NDF:875831.9/28

Out: 49.047+/-0.008 χ^2/NDF:1024776.1/33

All: 48.803+/-0.006 χ^2/NDF: 1902458.7/62



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 334.955+/-100.024 χ^2/NDF:30.6/14

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 64.522+/-105.264 χ^2/NDF:18.4/12

Left: 206.636+/-72.509 χ^2/NDF: 52.5/27

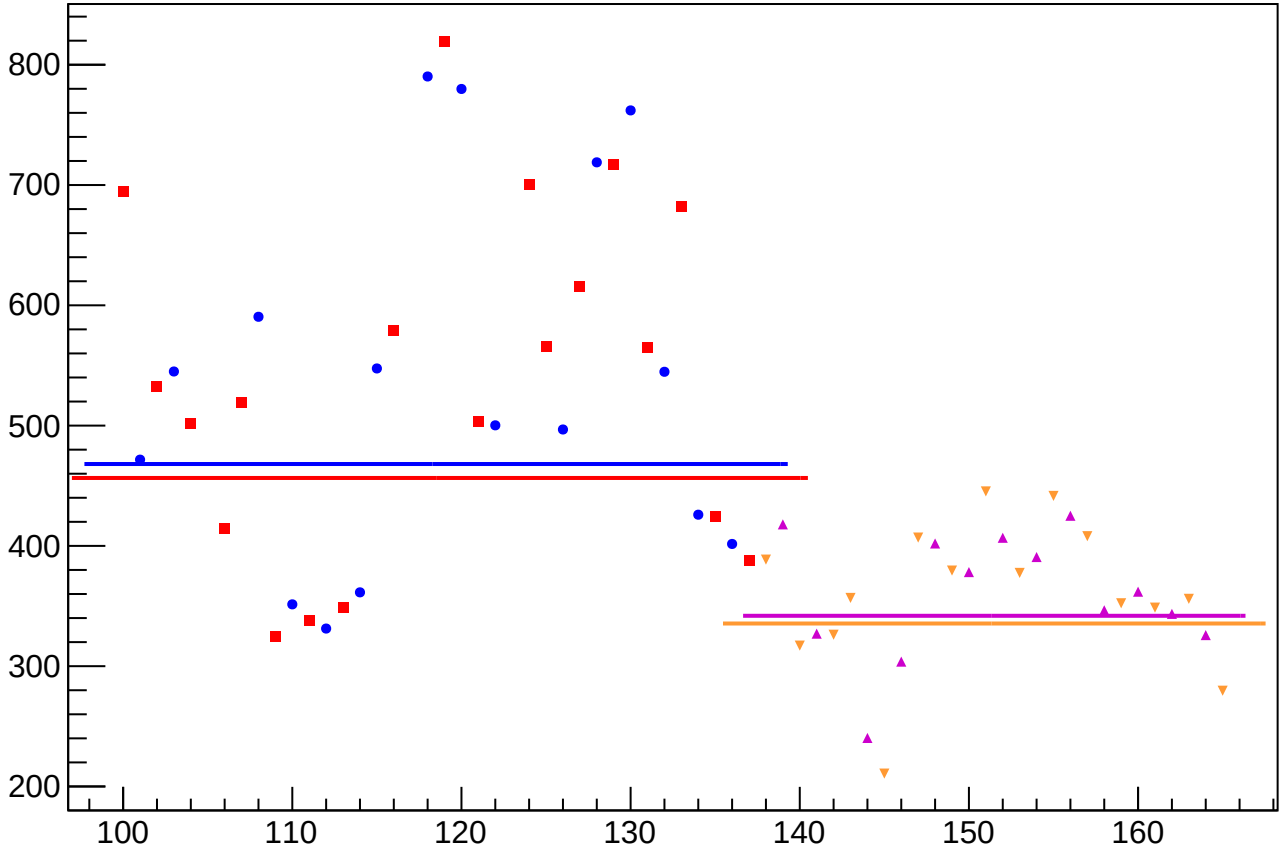
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 109.887+/-90.978 χ^2/NDF:44.7/28

Out: 170.857+/-86.671 χ^2/NDF:57.9/33

All: 141.849+/-62.753 χ^2/NDF: 102.8/62

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: 335.473+/-0.071 χ^2/NDF:1003804.6/14

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 341.894+/-0.074 χ^2/NDF:588022.4/12

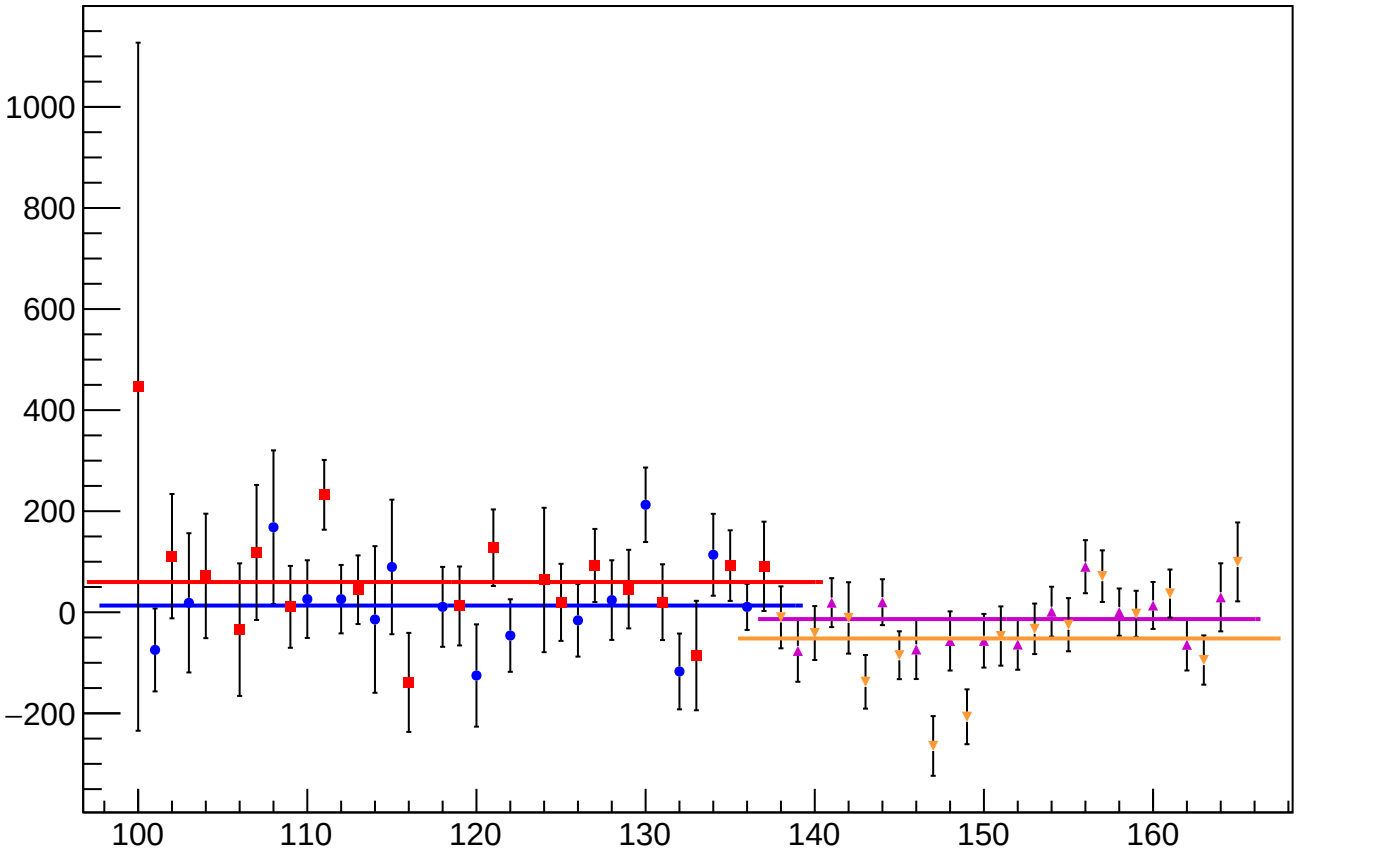
Left: 338.520+/-0.051 χ^2/NDF: 1595737.3/27

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 373.816+/-0.064 χ^2/NDF:2297930.6/28

Out: 365.621+/-0.061 χ^2/NDF:2815575.7/33

All: 369.520+/-0.044 χ^2/NDF: 5122012.6/62



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.850+/-13.881 χ^2/NDF:40.5/14

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -13.487+/-14.414 χ^2/NDF:11.1/12

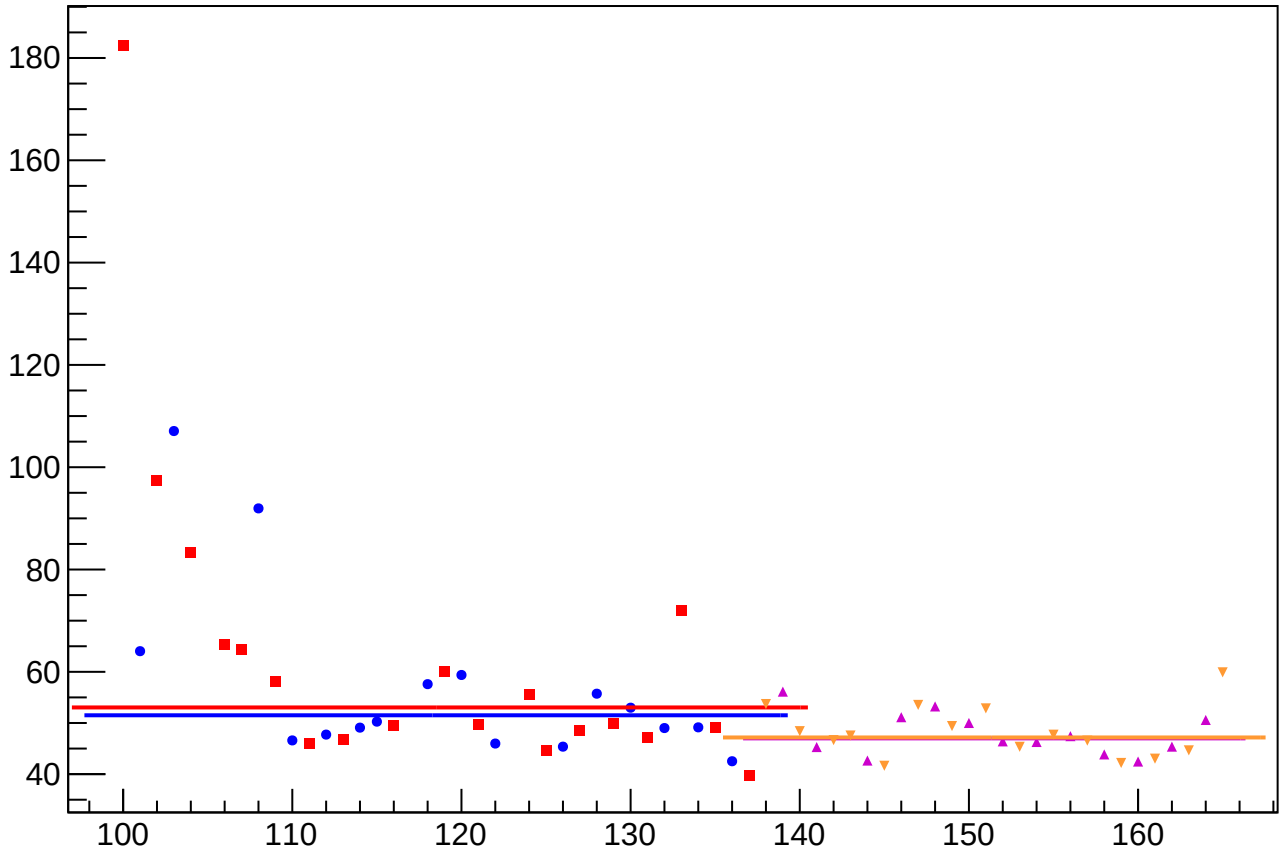
Left: -33.391+/-9.998 χ^2/NDF: 55.3/27

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -4.250+/-11.663 χ^2/NDF:29.5/28

Out: -16.117+/-11.446 χ^2/NDF:77.3/33

All: -10.295+/-8.169 χ^2/NDF: 107.4/62



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.169+/-0.010 χ^2/NDF:197453.9/14

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.991+/-0.010 χ^2/NDF:141026.2/12

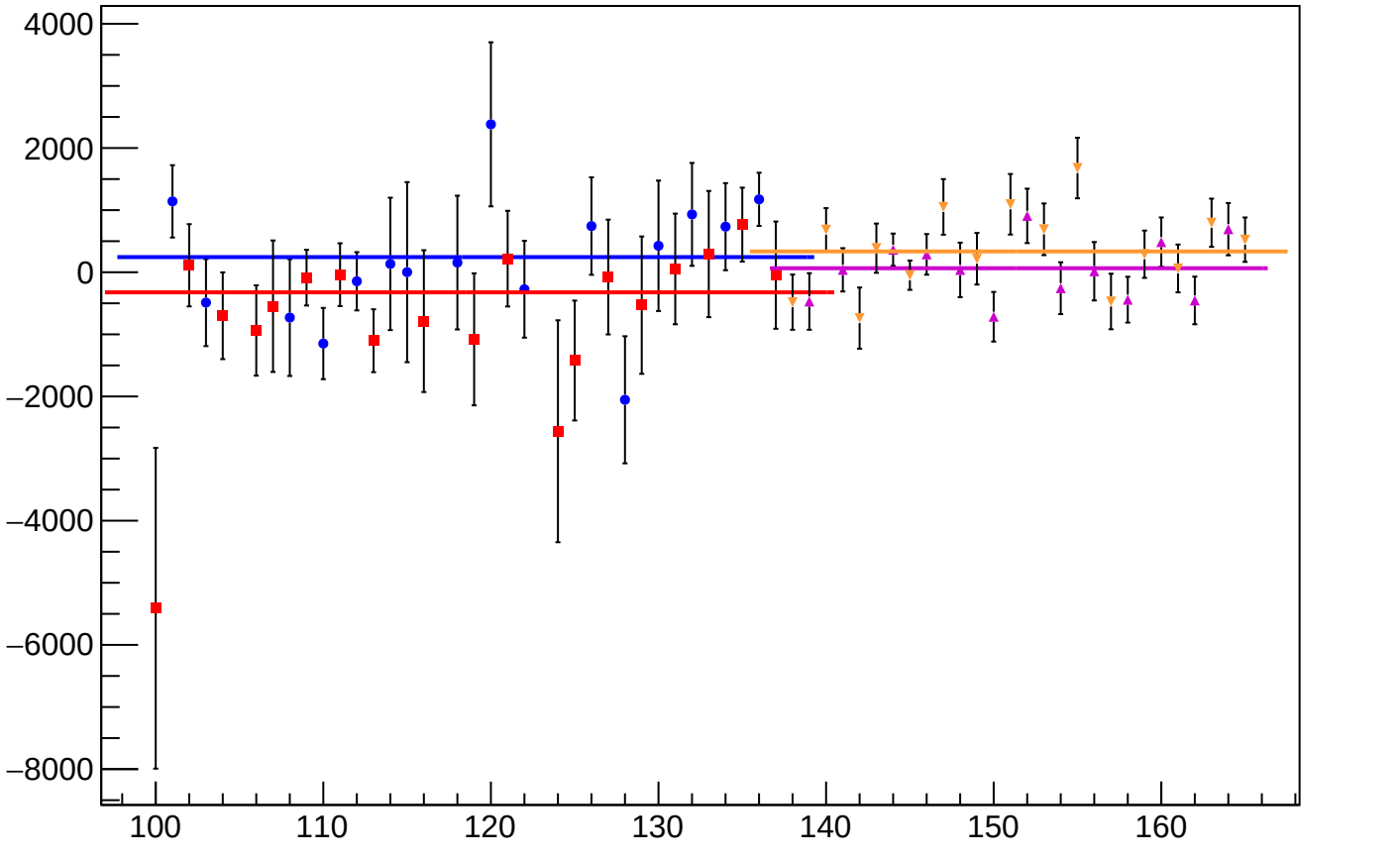
Left: 47.083+/-0.007 χ^2/NDF: 338637.9/27

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 48.550+/-0.008 χ^2/NDF:875838.0/28

Out: 49.047+/-0.008 χ^2/NDF:1024786.9/33

All: 48.803+/-0.006 χ^2/NDF: 1902475.8/62



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 334.955+/-100.024 χ^2/NDF:30.6/14

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 64.523+/-105.264 χ^2/NDF:18.4/12

Left: 206.636+/-72.509 χ^2/NDF: 52.5/27

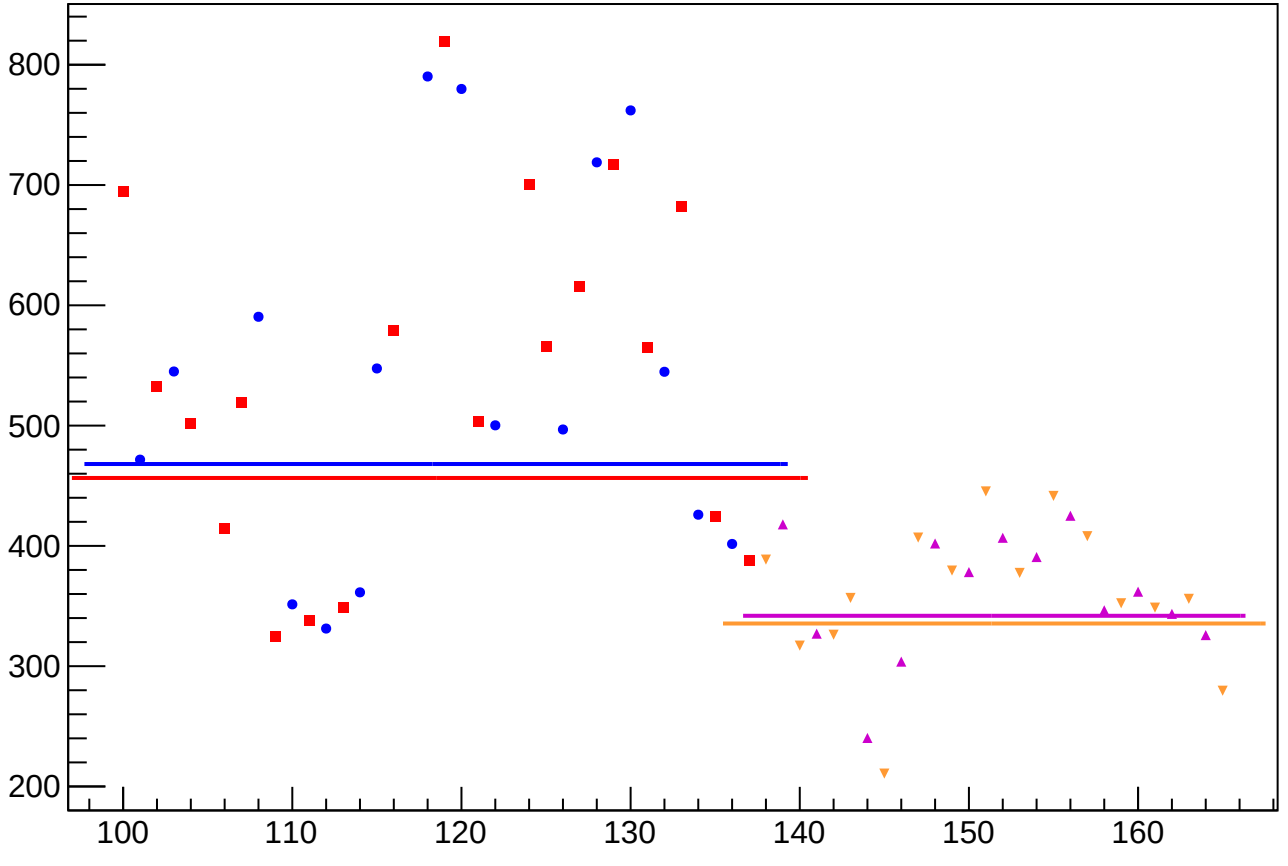
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 109.888+/-90.978 χ^2/NDF:44.7/28

Out: 170.856+/-86.671 χ^2/NDF:57.9/33

All: 141.849+/-62.753 χ^2/NDF: 102.8/62

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: 335.473+/-0.071 χ^2/NDF:1003808.2/14

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 341.894+/-0.074 χ^2/NDF:588023.8/12

Left: 338.520+/-0.051 χ^2/NDF: 1595742.4/27

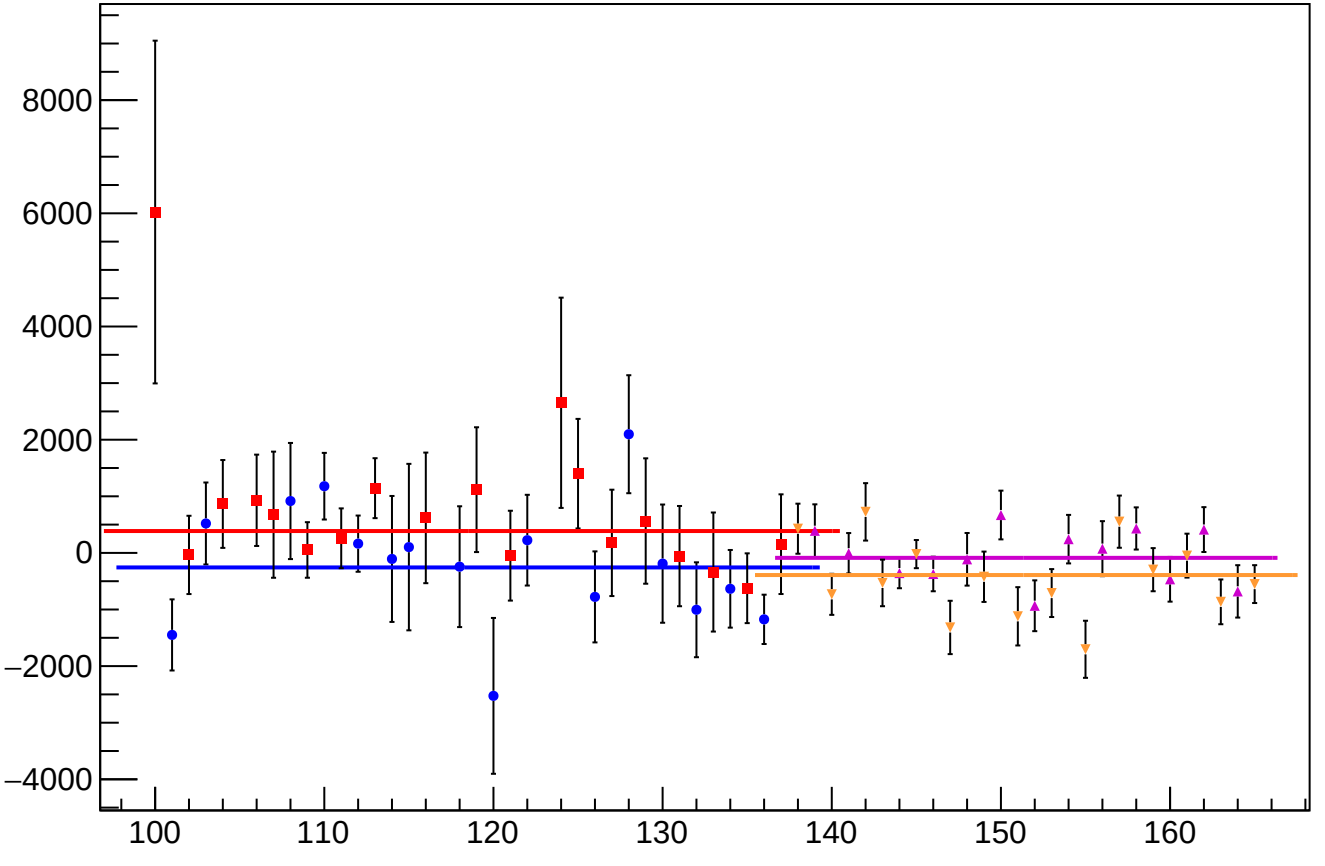
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 373.816+/-0.064 χ^2/NDF:2297924.0/28

Out: 365.621+/-0.061 χ^2/NDF:2815569.1/33

All: 369.520+/-0.044 χ^2/NDF: 5121999.6/62

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -391.149+/-102.556 χ^2/NDF:31.4/14

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -87.314+/-107.586 χ^2/NDF:16.4/12

Left: -246.499+/-74.233 χ^2/NDF: 52.0/27

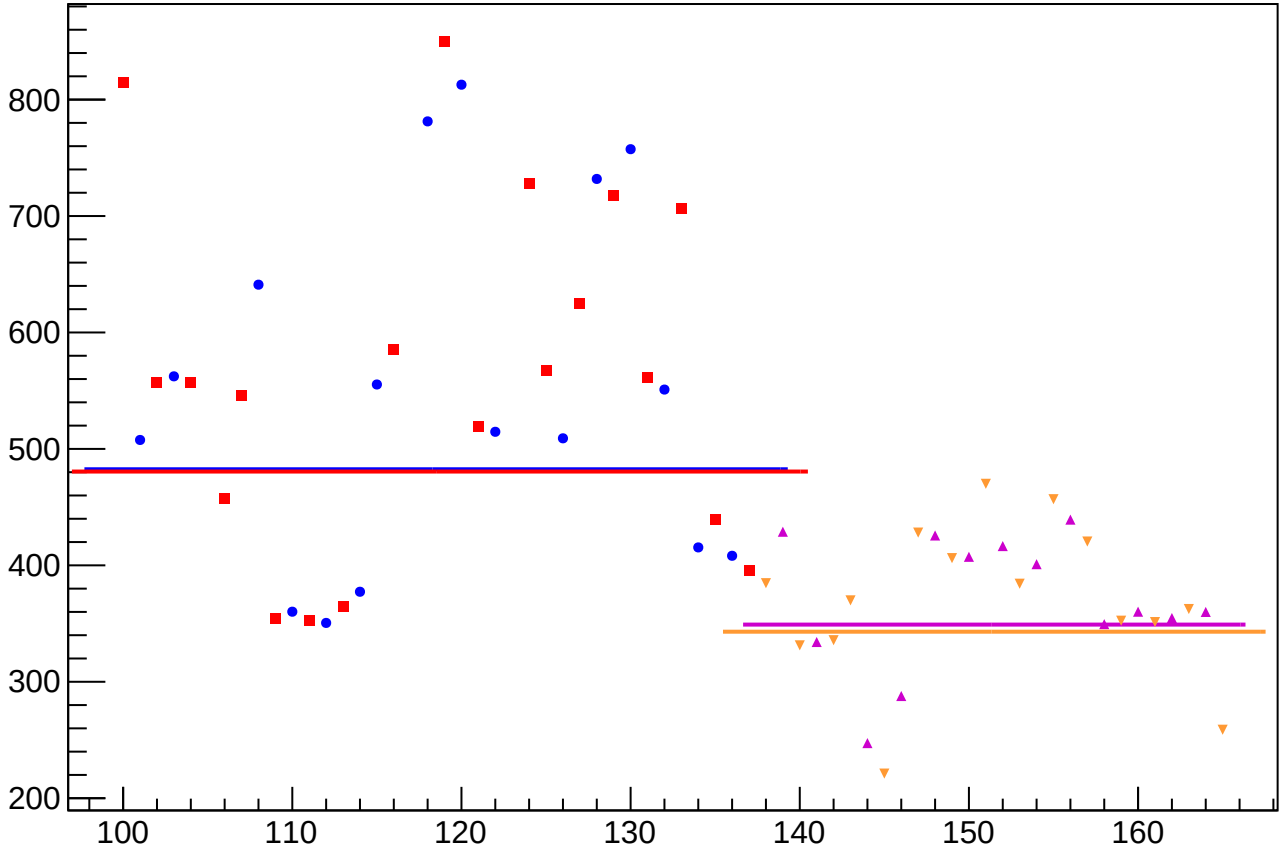
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -129.632+/-93.187 χ^2/NDF:44.0/28

Out: -204.312+/-89.390 χ^2/NDF:59.4/33

All: -168.524+/-64.509 χ^2/NDF: 103.7/62

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 343.013+/-0.073 χ^2/NDF:1047037.6/14

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 349.114+/-0.076 χ^2/NDF:668276.3/12

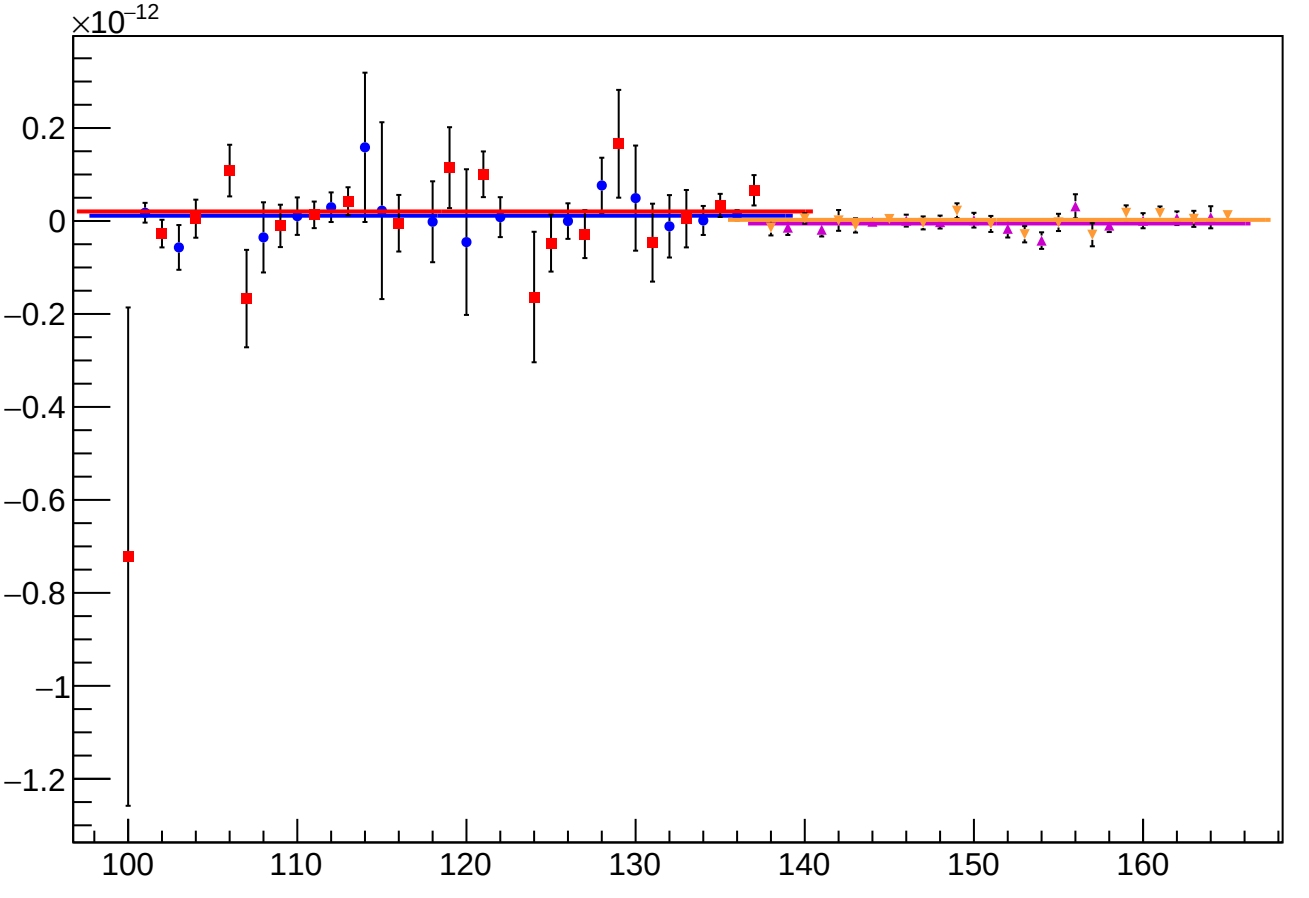
Left: 345.918+/-0.052 χ^2/NDF: 1718683.7/27

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 382.432+/-0.066 χ^2/NDF:2382775.6/28

Out: 376.062+/-0.063 χ^2/NDF:2905220.7/33

All: 379.115+/-0.046 χ^2/NDF: 5292863.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/12

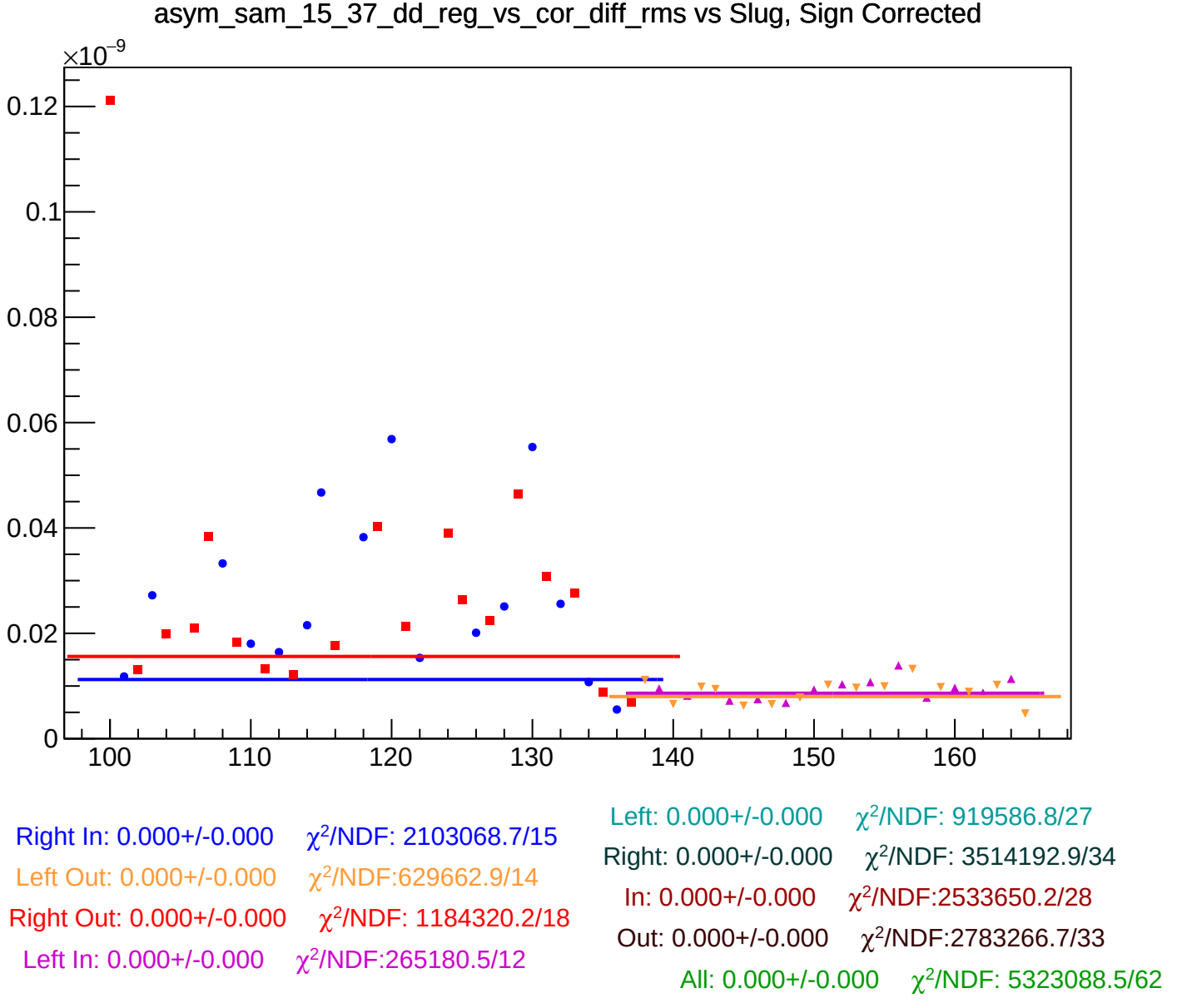
Left: -0.000+/-0.000 χ^2/NDF: 22.8/27

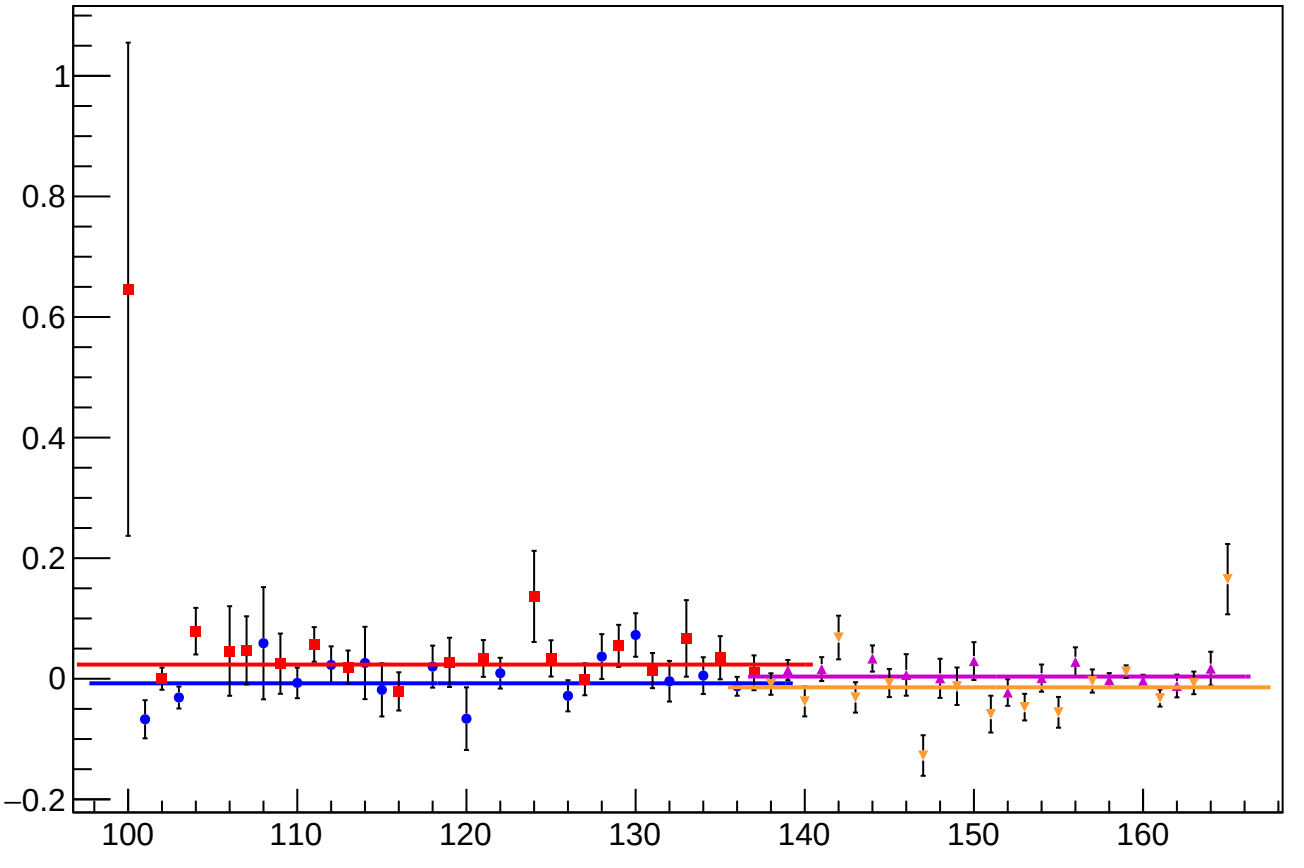
Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:37.8/33

All: 0.000+/-0.000 χ^2/NDF: 57.7/62


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:629662.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:265180.5/12
Left: 0.000+/-0.000 χ²/NDF: 919586.8/27
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2533650.2/28
Out: 0.000+/-0.000 χ²/NDF:2783266.7/33
All: 0.000+/-0.000 χ²/NDF: 5323088.5/62



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.005+/-0.004 χ^2/NDF: 56.0/27

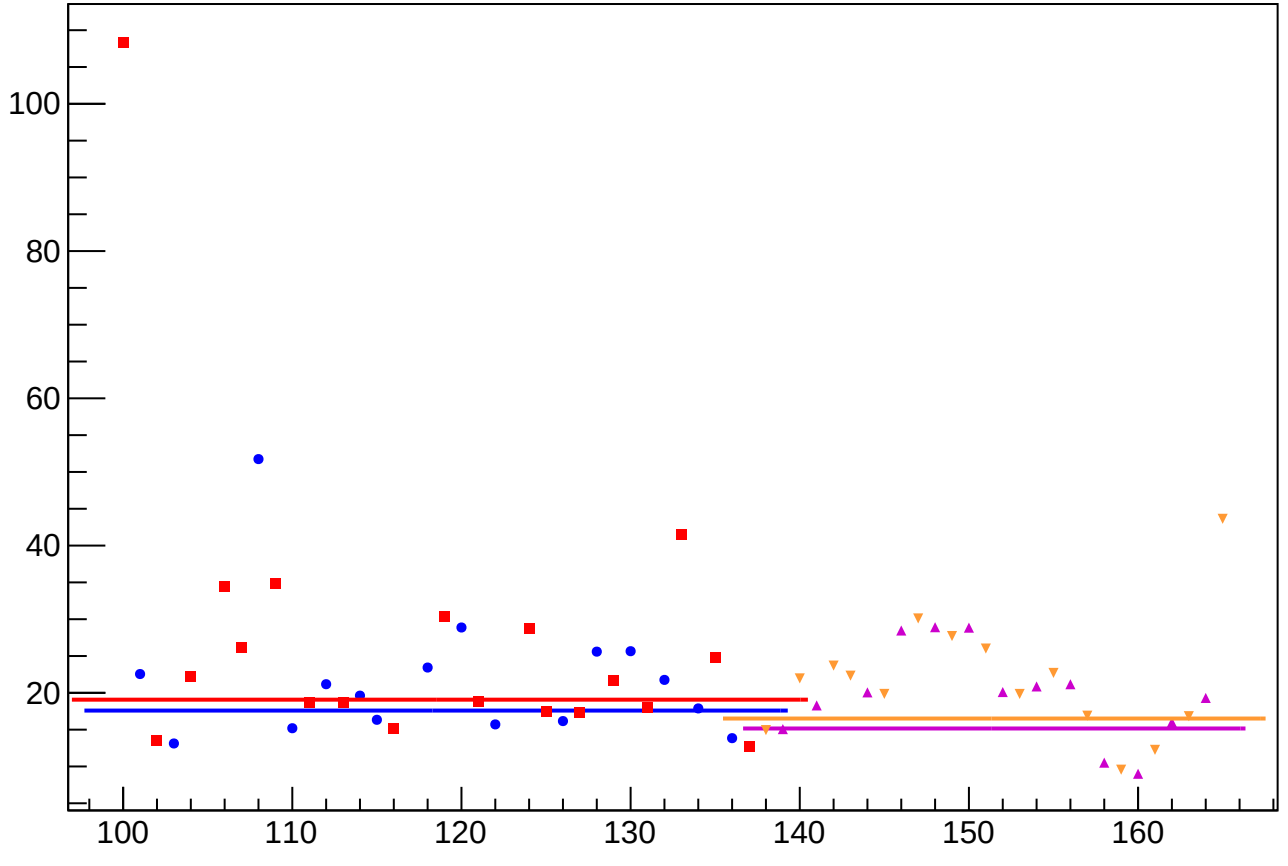
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.4/62

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778311.0/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

Left: 15.808+/-0.003 χ^2/NDF: 5512905.2/27

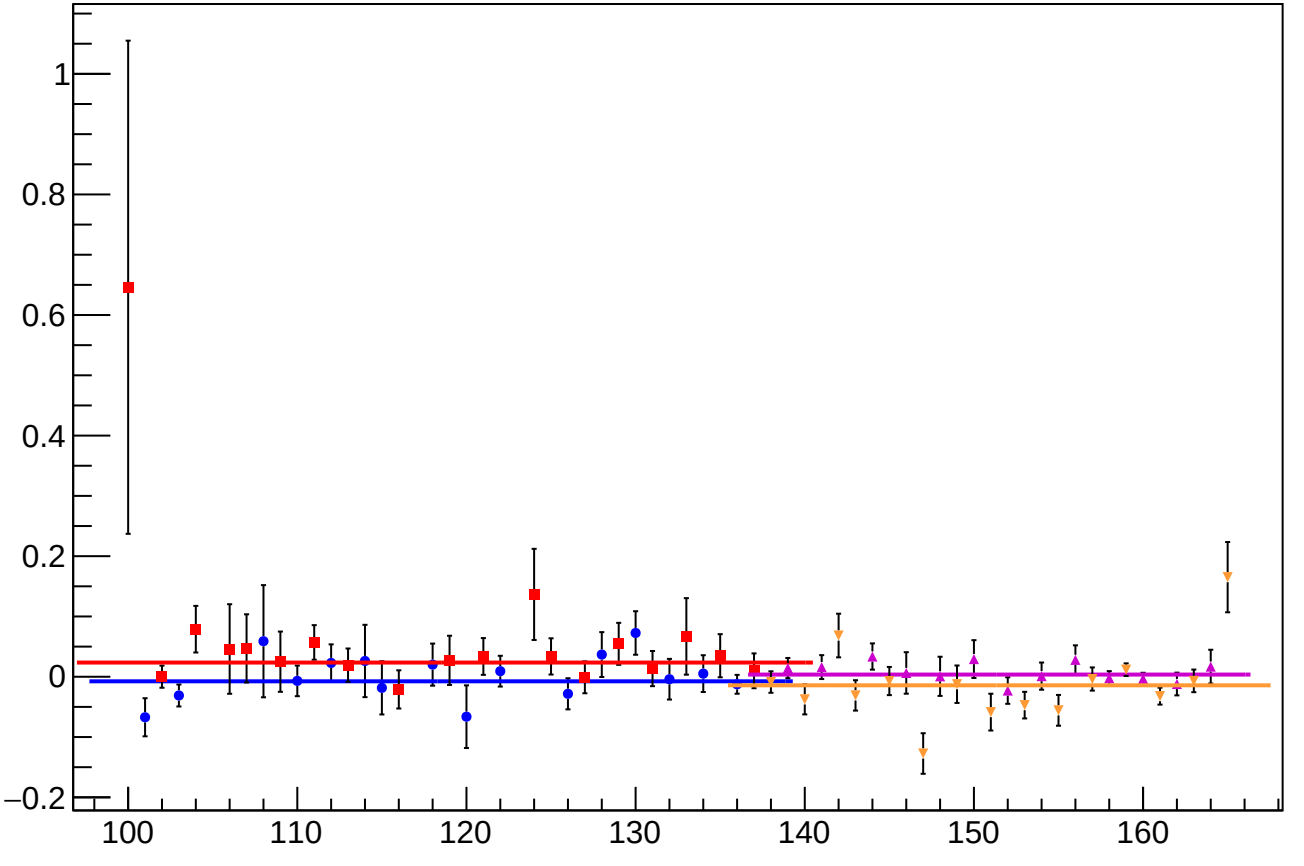
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.973+/-0.003 χ^2/NDF:3812392.0/28

Out: 17.329+/-0.003 χ^2/NDF:4175247.5/33

All: 16.618+/-0.002 χ^2/NDF: 8088232.6/62

asym_sam_15_37_dd_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:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.005+/-0.004 χ^2/NDF: 56.0/27

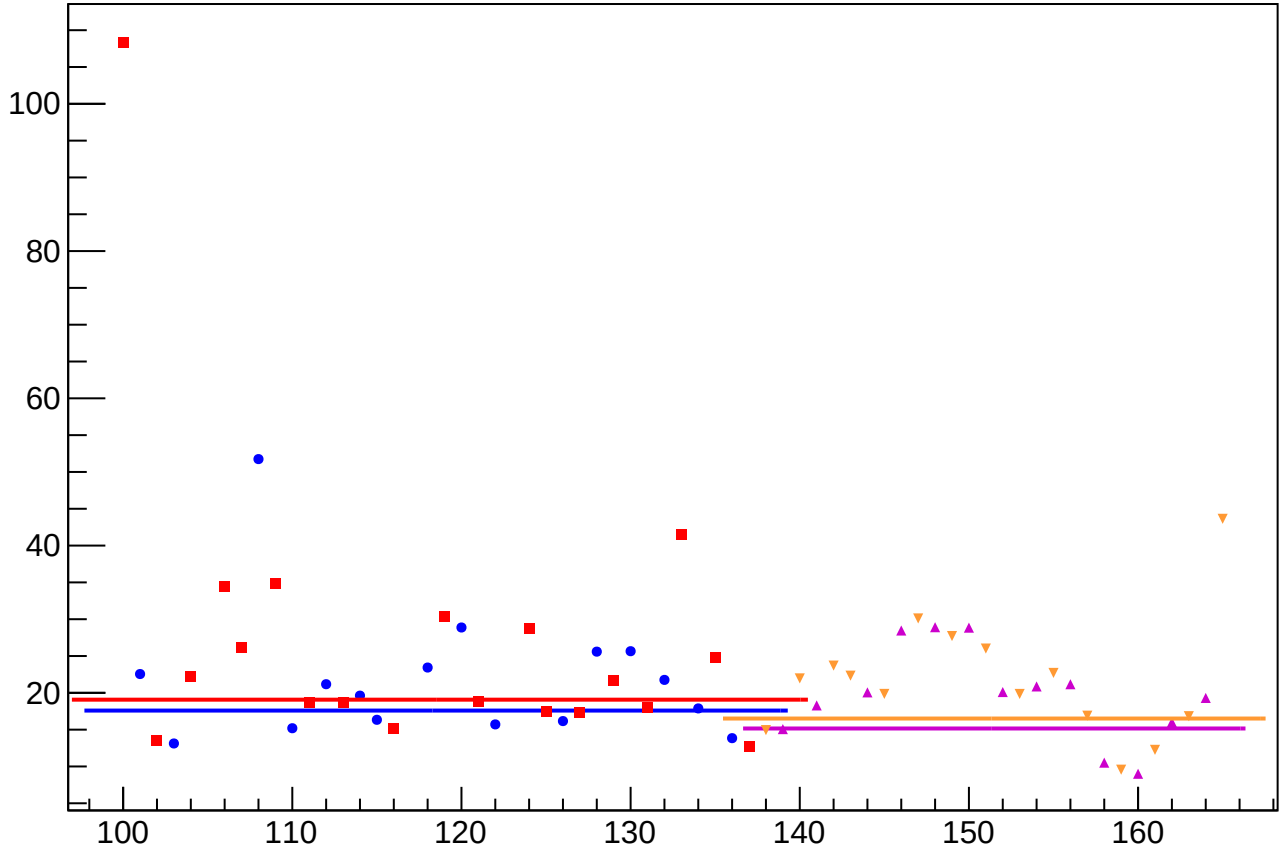
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.4/62

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: 16.510+/-0.004 χ^2/NDF:2778311.0/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

Left: 15.808+/-0.003 χ^2/NDF: 5512905.2/27

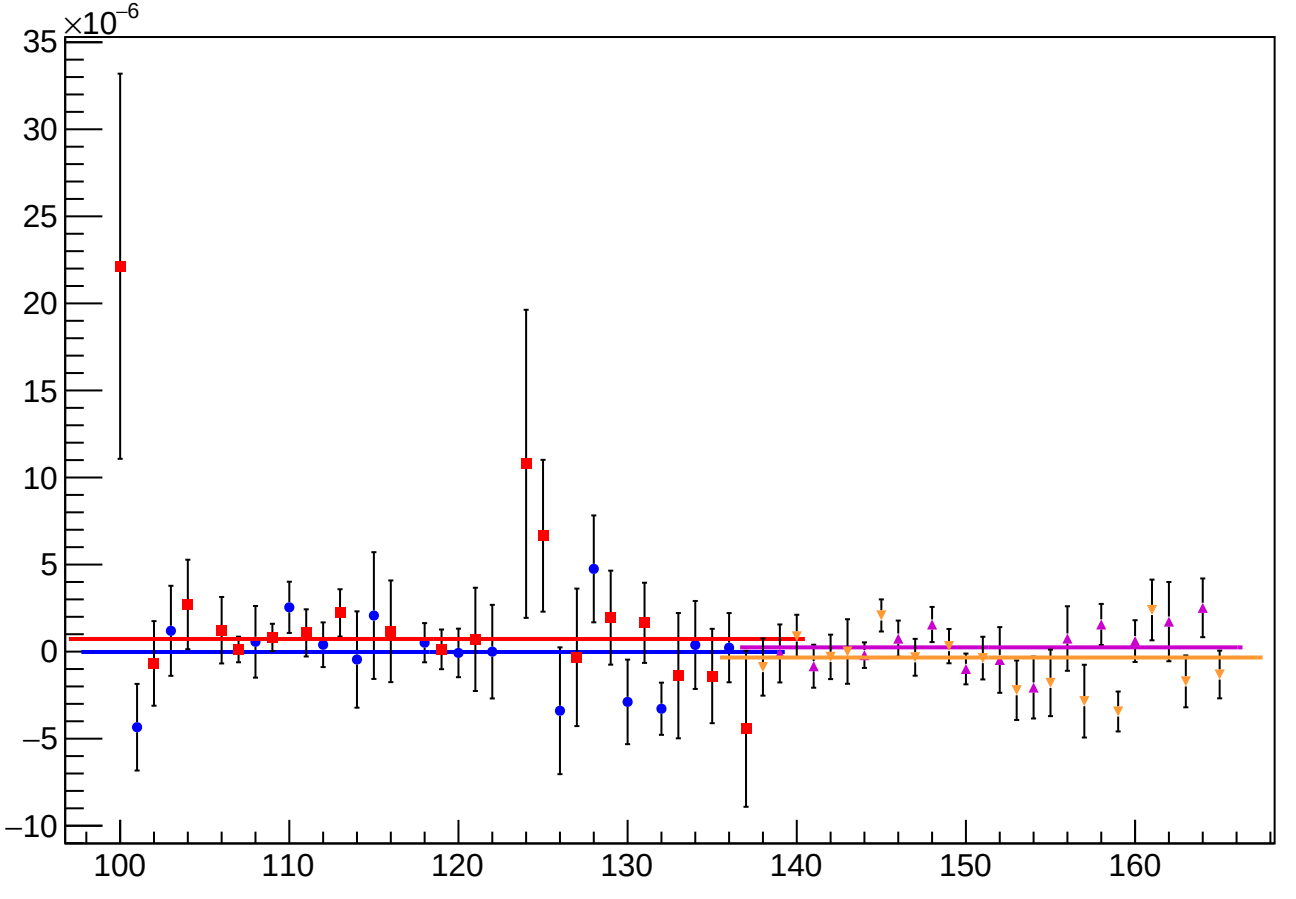
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.973+/-0.003 χ^2/NDF:3812392.0/28

Out: 17.329+/-0.003 χ^2/NDF:4175247.5/33

All: 16.618+/-0.002 χ^2/NDF: 8088232.6/62

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/12

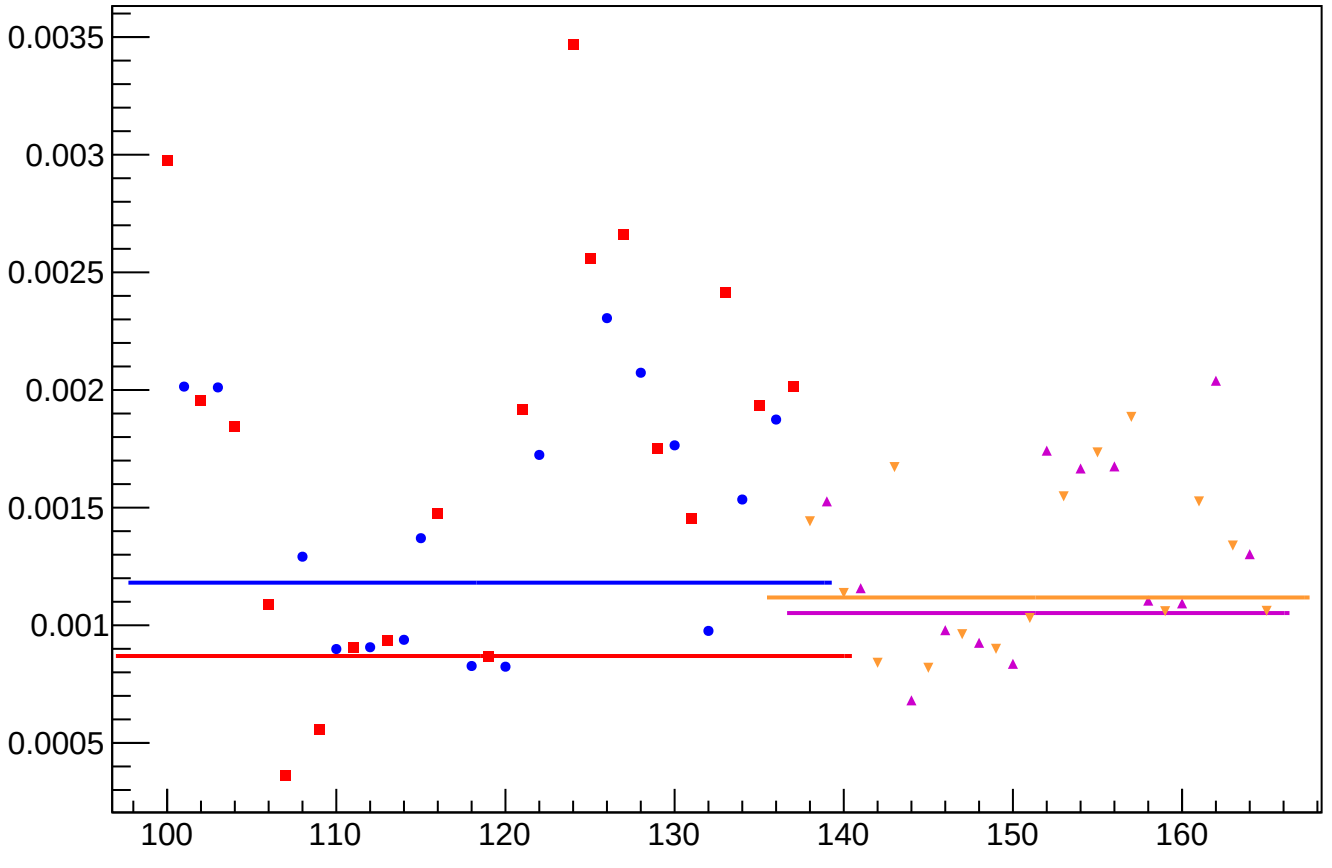
Left: -0.000+/-0.000 χ^2/NDF: 34.8/27

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:27.3/28

Out: 0.000+/-0.000 χ^2/NDF:40.0/33

All: 0.000+/-0.000 χ^2/NDF: 67.3/62



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1480381.1/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2008311.0/12

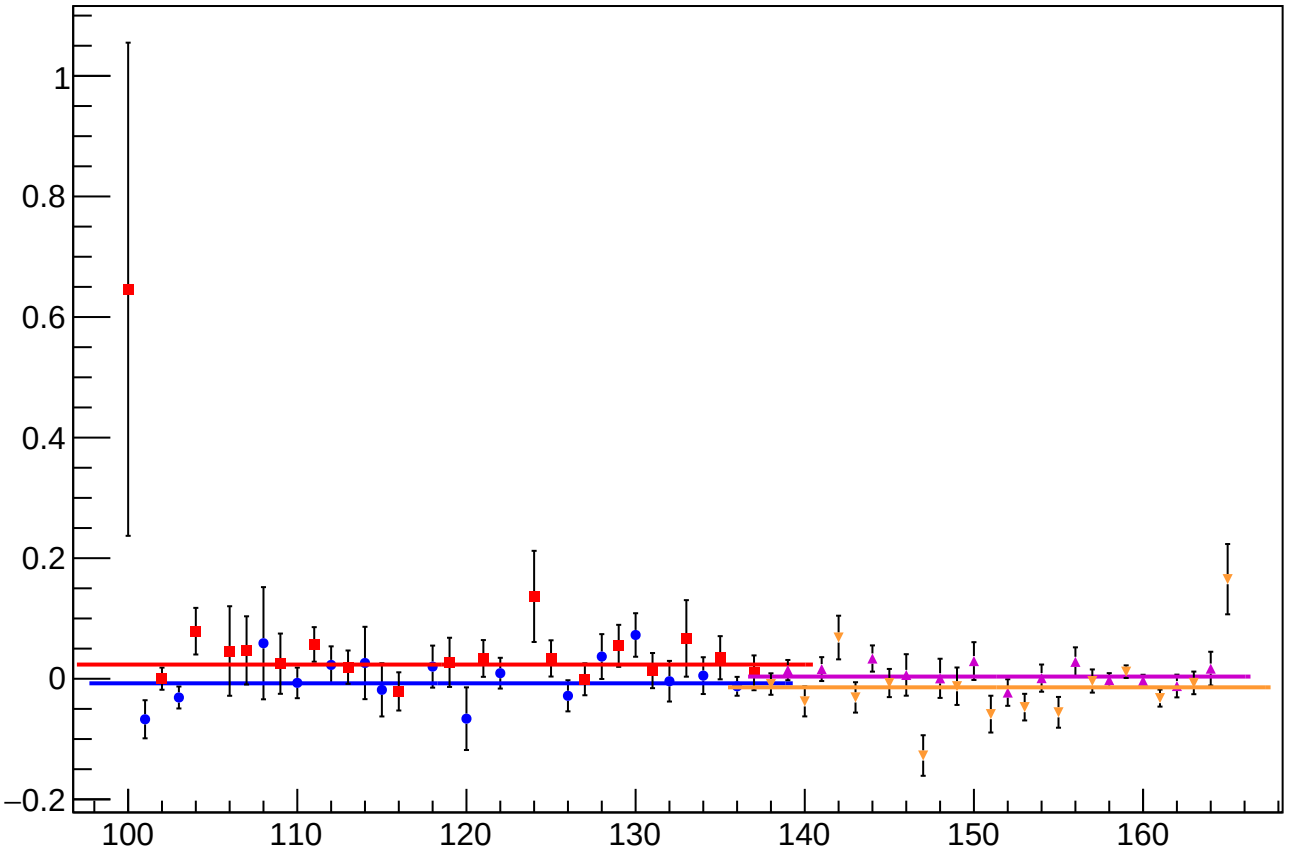
Left: 0.001+/-0.000 χ^2/NDF: 3527120.2/27

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3935975.6/28

Out: 0.001+/-0.000 χ^2/NDF:6389158.1/33

All: 0.001+/-0.000 χ^2/NDF: 10434921.4/62



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.005+/-0.004 χ^2/NDF: 56.0/27

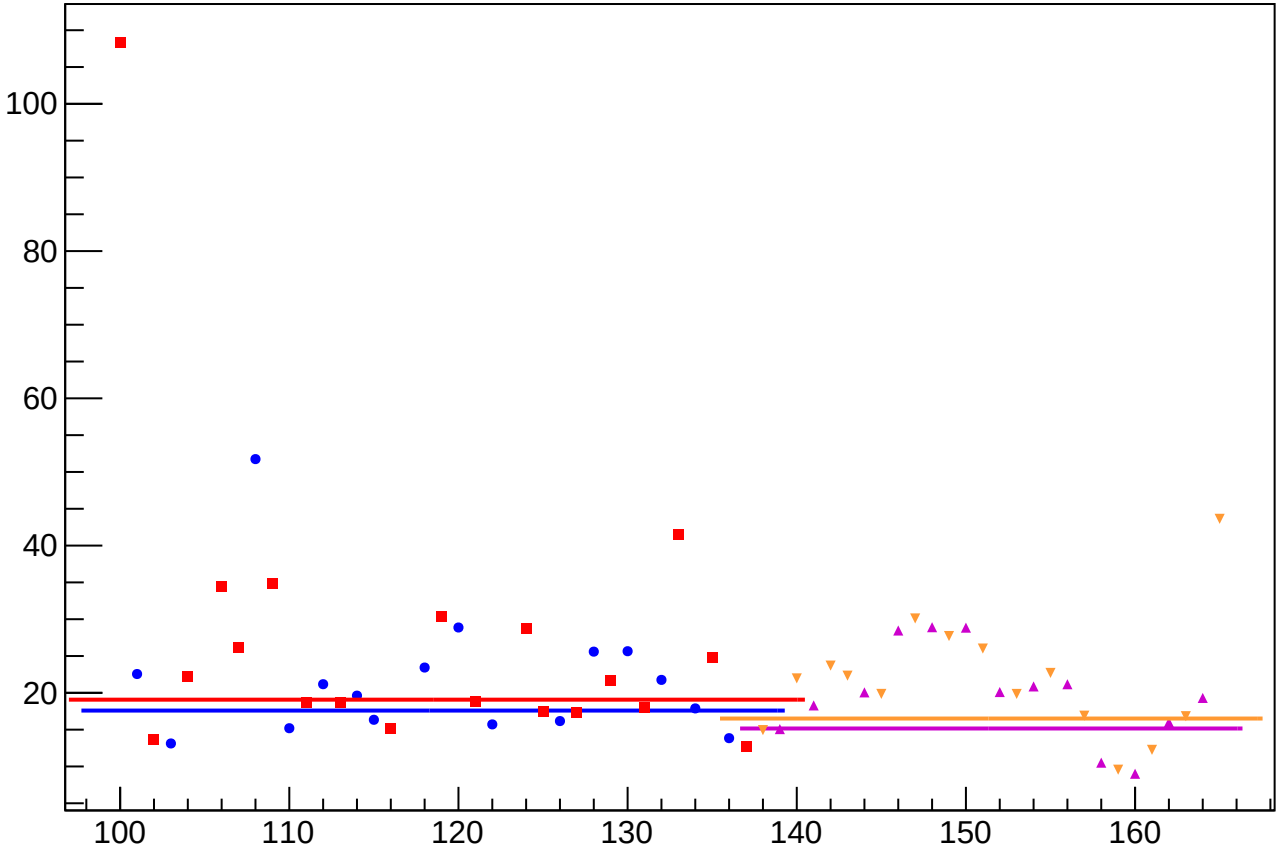
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.4/62

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: 16.510+/-0.004 χ^2/NDF:2778605.1/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

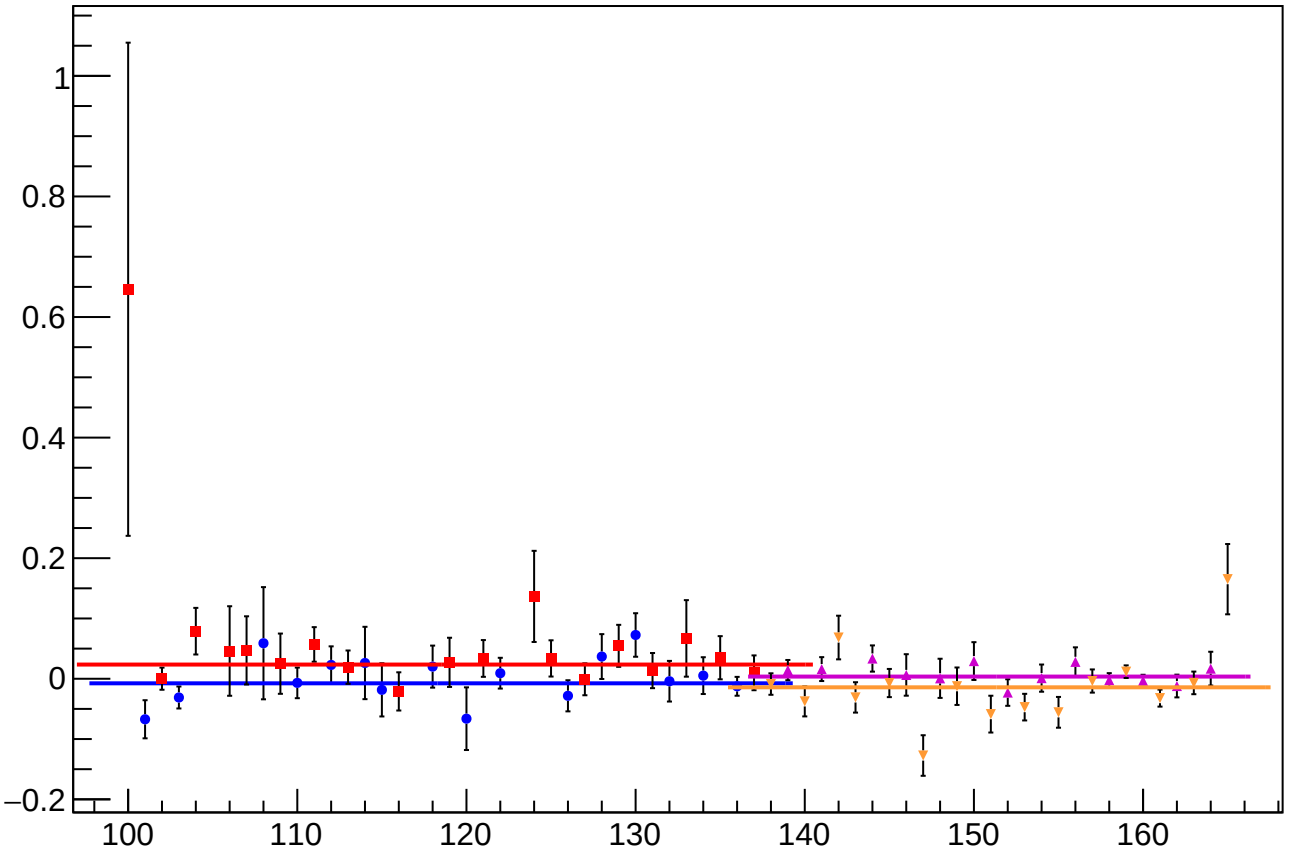
Left: 15.808+/-0.003 χ^2/NDF: 5513552.4/27

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.973+/-0.003 χ^2/NDF:3812834.7/28

Out: 17.329+/-0.003 χ^2/NDF:4175541.5/33

All: 16.618+/-0.002 χ^2/NDF: 8088995.4/62



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.005+/-0.004 χ^2/NDF: 56.0/27

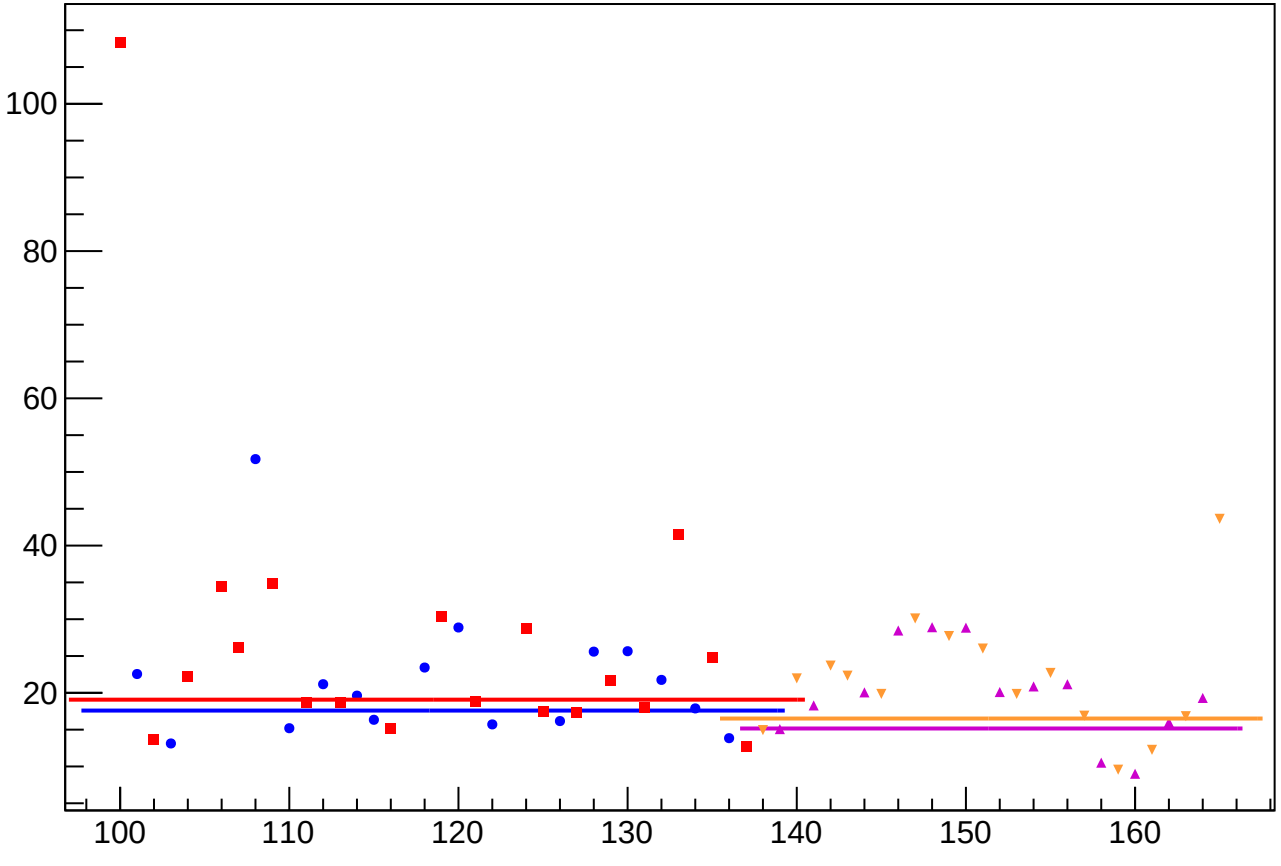
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.4/62

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: 16.510+/-0.004 χ^2/NDF:2778605.1/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

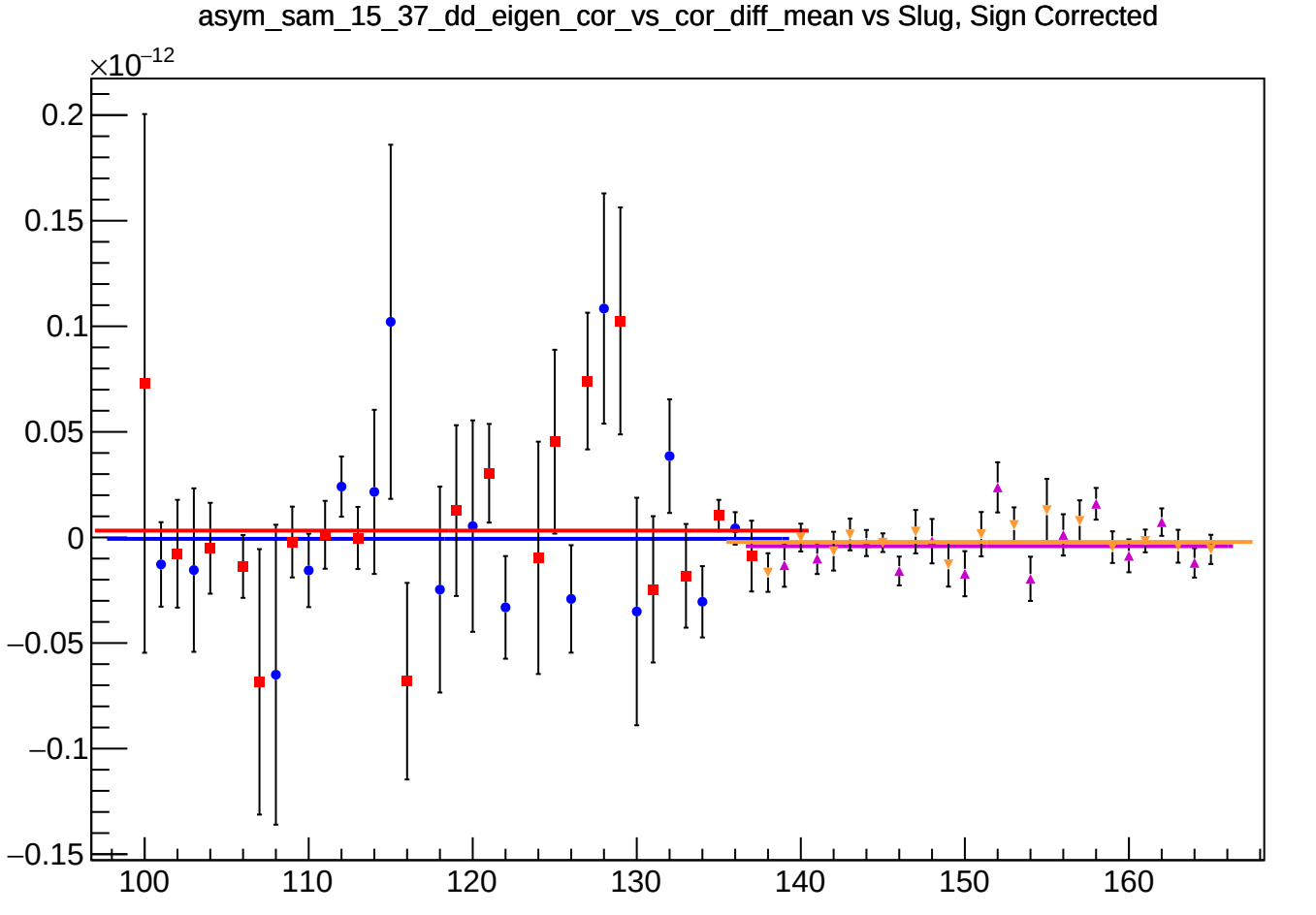
Left: 15.808+/-0.003 χ^2/NDF: 5513552.4/27

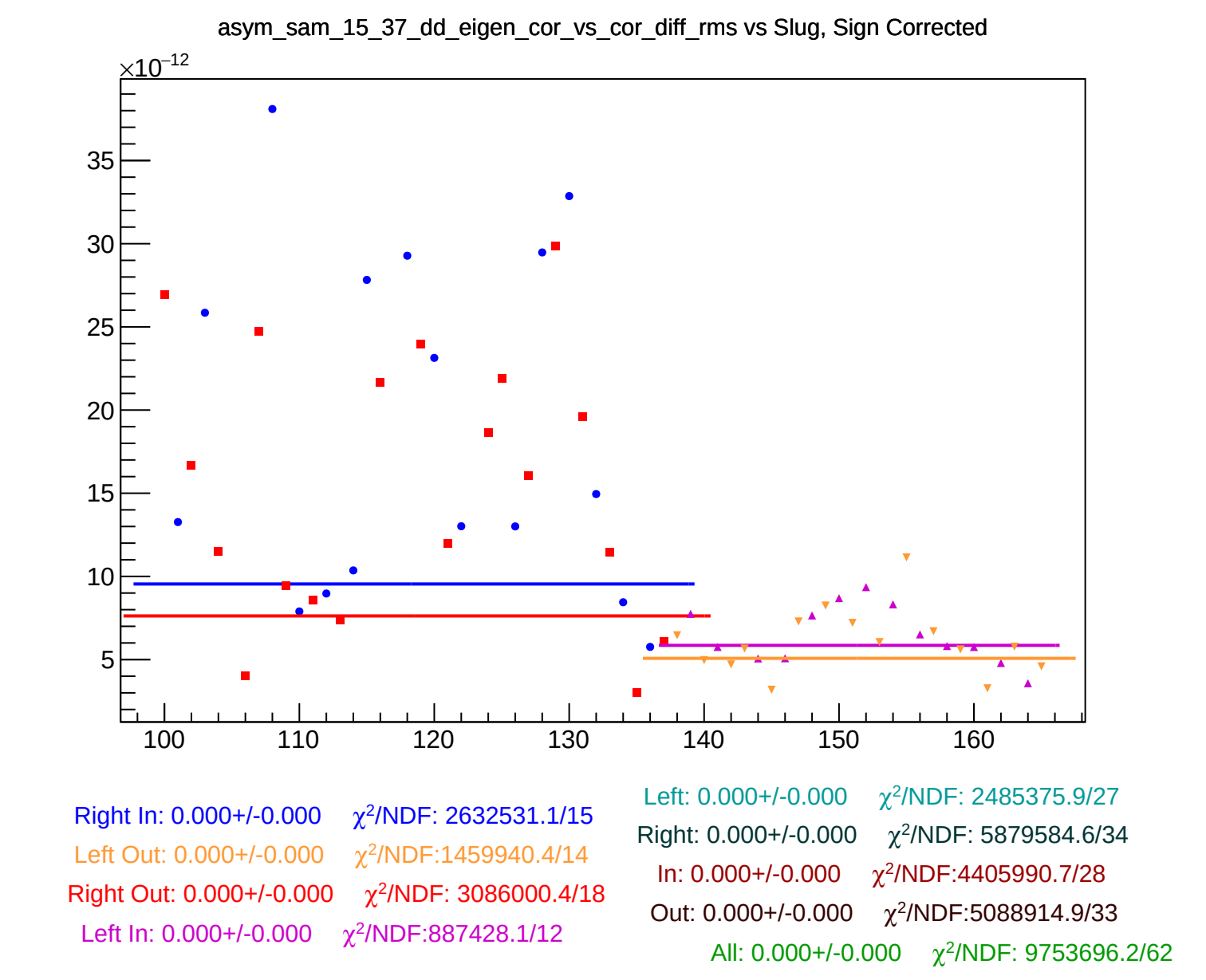
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

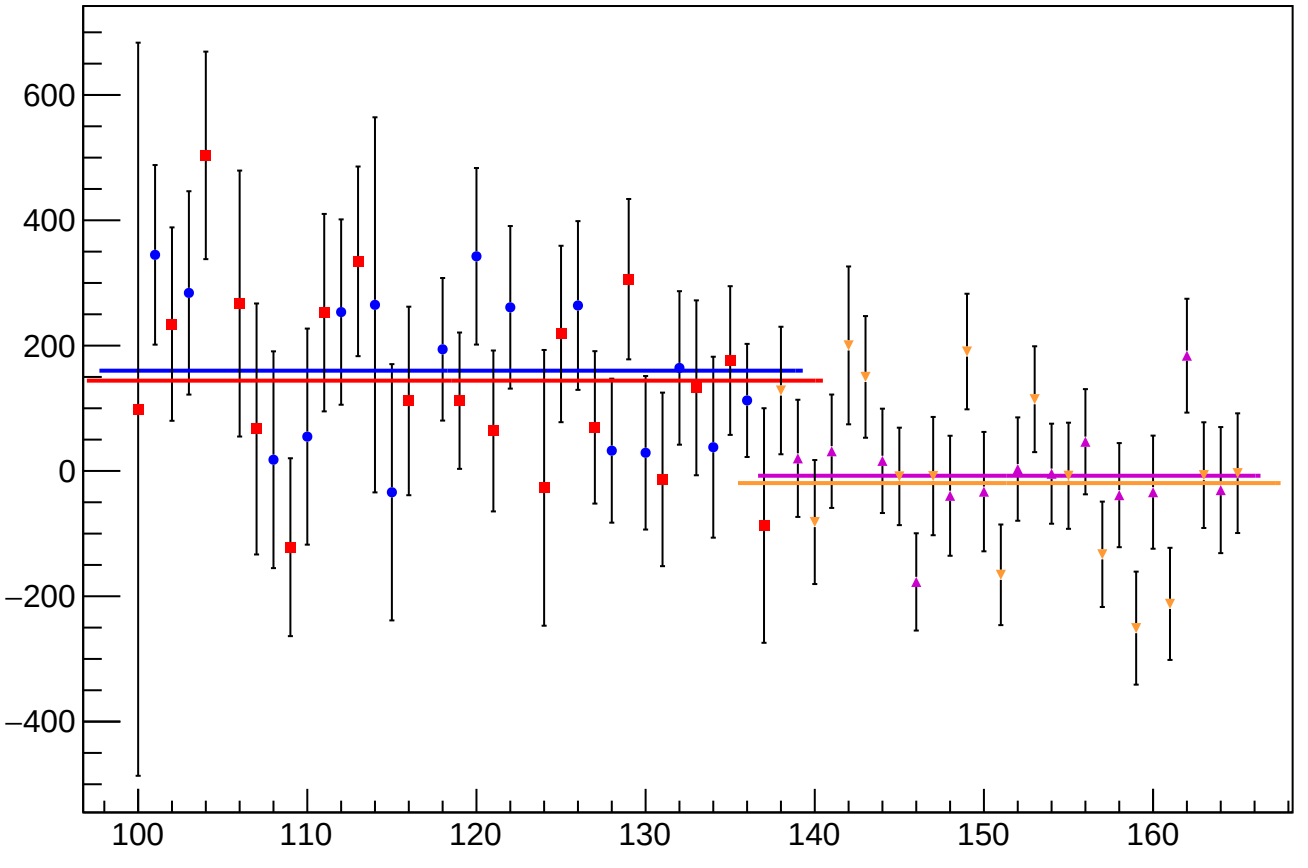
In: 15.973+/-0.003 χ^2/NDF:3812834.7/28

Out: 17.329+/-0.003 χ^2/NDF:4175541.5/33

All: 16.618+/-0.002 χ^2/NDF: 8088995.4/62


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.3/15
Left Out: -0.000+/-0.000 χ²/NDF:7.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:25.8/12
Left: -0.000+/-0.000 χ²/NDF: 34.1/27
Right: 0.000+/-0.000 χ²/NDF: 39.8/34
In: -0.000+/-0.000 χ²/NDF:46.5/28
Out: -0.000+/-0.000 χ²/NDF:28.2/33
All: -0.000+/-0.000 χ²/NDF: 75.4/62


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
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1459940.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:887428.1/12
Left: 0.000+/-0.000 χ²/NDF: 2485375.9/27
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:4405990.7/28
Out: 0.000+/-0.000 χ²/NDF:5088914.9/33
All: 0.000+/-0.000 χ²/NDF: 9753696.2/62



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.359+/-23.331 χ^2/NDF:32.8/14

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -7.655+/-24.259 χ^2/NDF:10.5/12

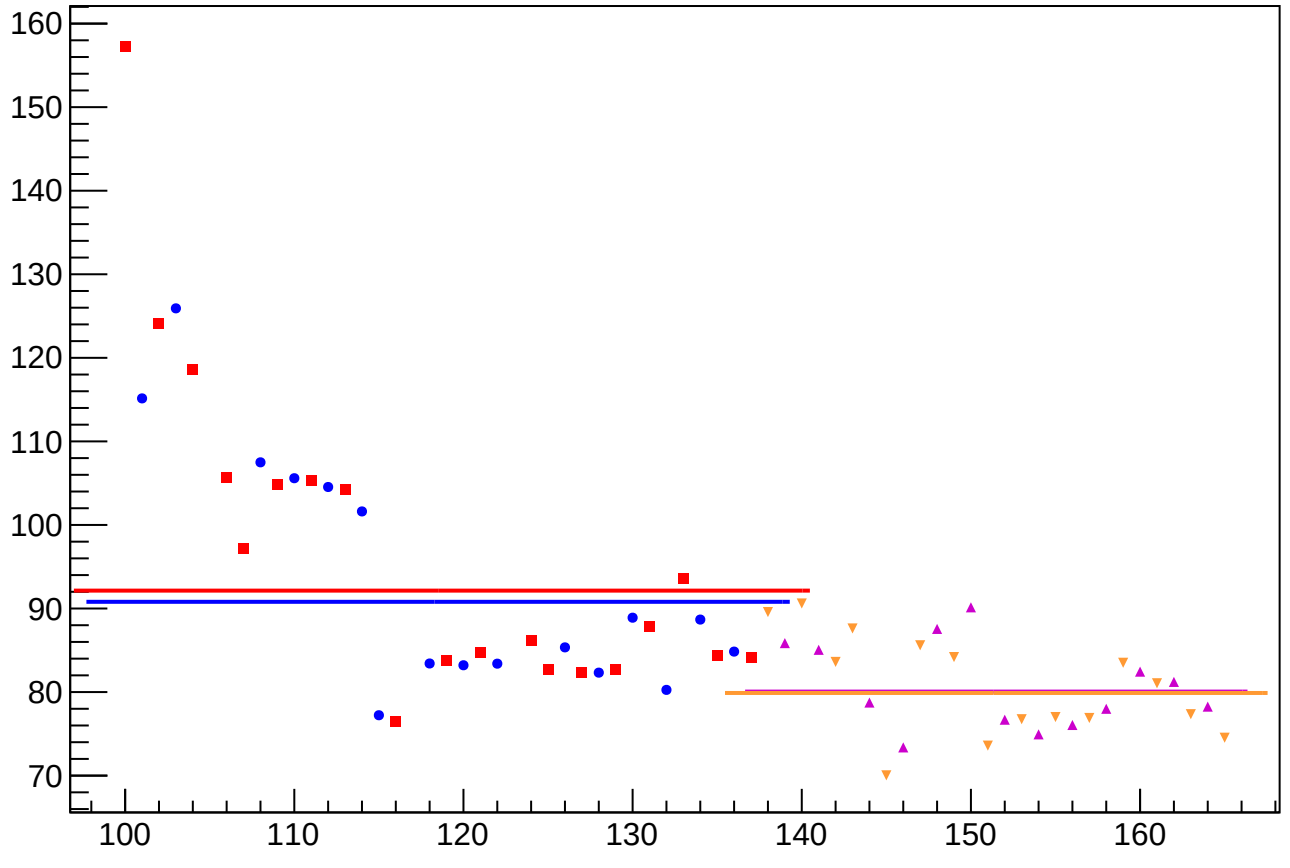
Left: -13.735+/-16.816 χ^2/NDF: 43.3/27

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 48.538+/-19.781 χ^2/NDF:37.5/28

Out: 32.530+/-19.276 χ^2/NDF:65.7/33

All: 40.327+/-13.805 χ^2/NDF: 103.6/62



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

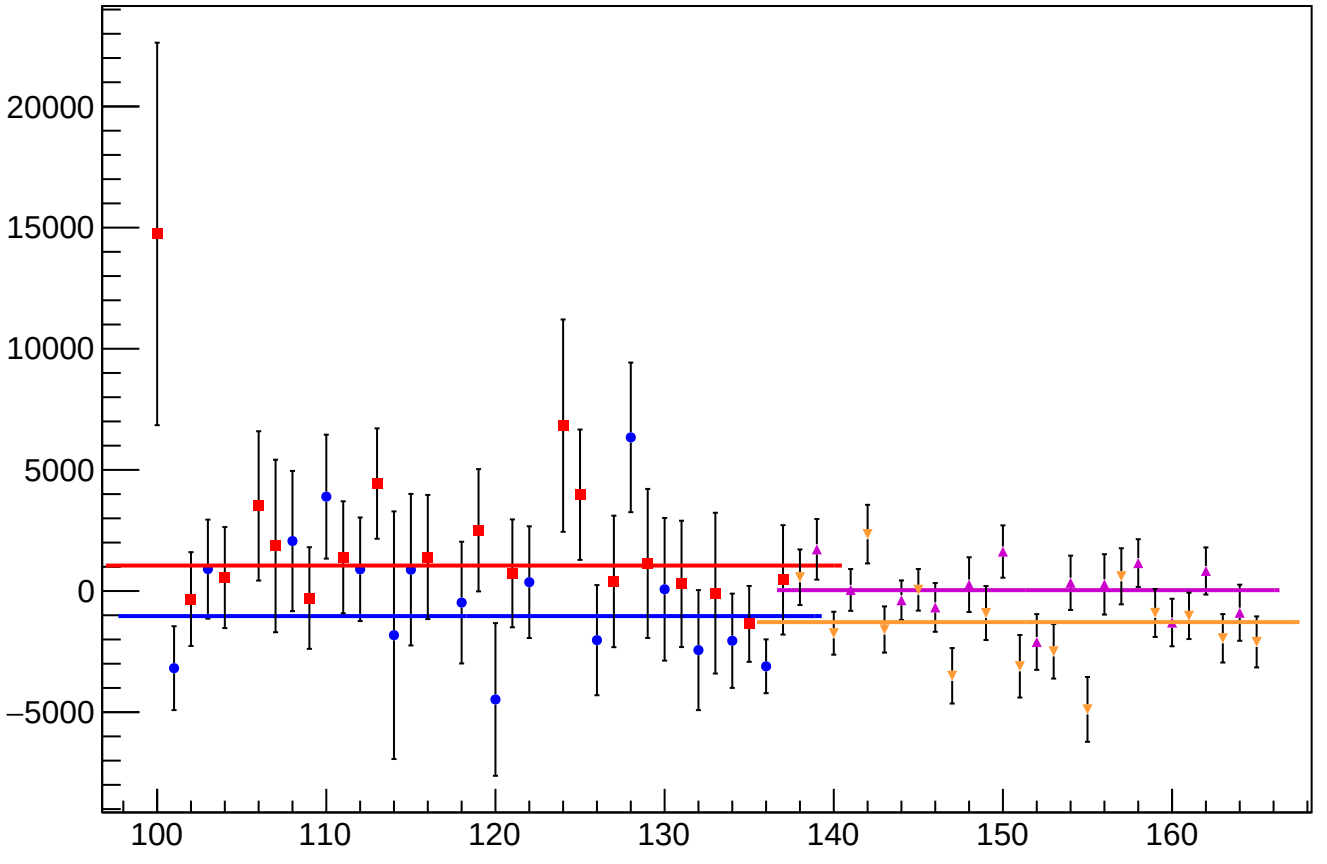
Left: 79.972+/-0.012 χ^2/NDF: 214824.8/27

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 83.658+/-0.014 χ^2/NDF:487706.1/28

Out: 83.781+/-0.014 χ^2/NDF:608308.0/33

All: 83.721+/-0.010 χ^2/NDF: 1096053.6/62



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1283.264+/-272.620 χ^2/NDF:32.6/14

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 35.357+/-286.526 χ^2/NDF:12.8/12

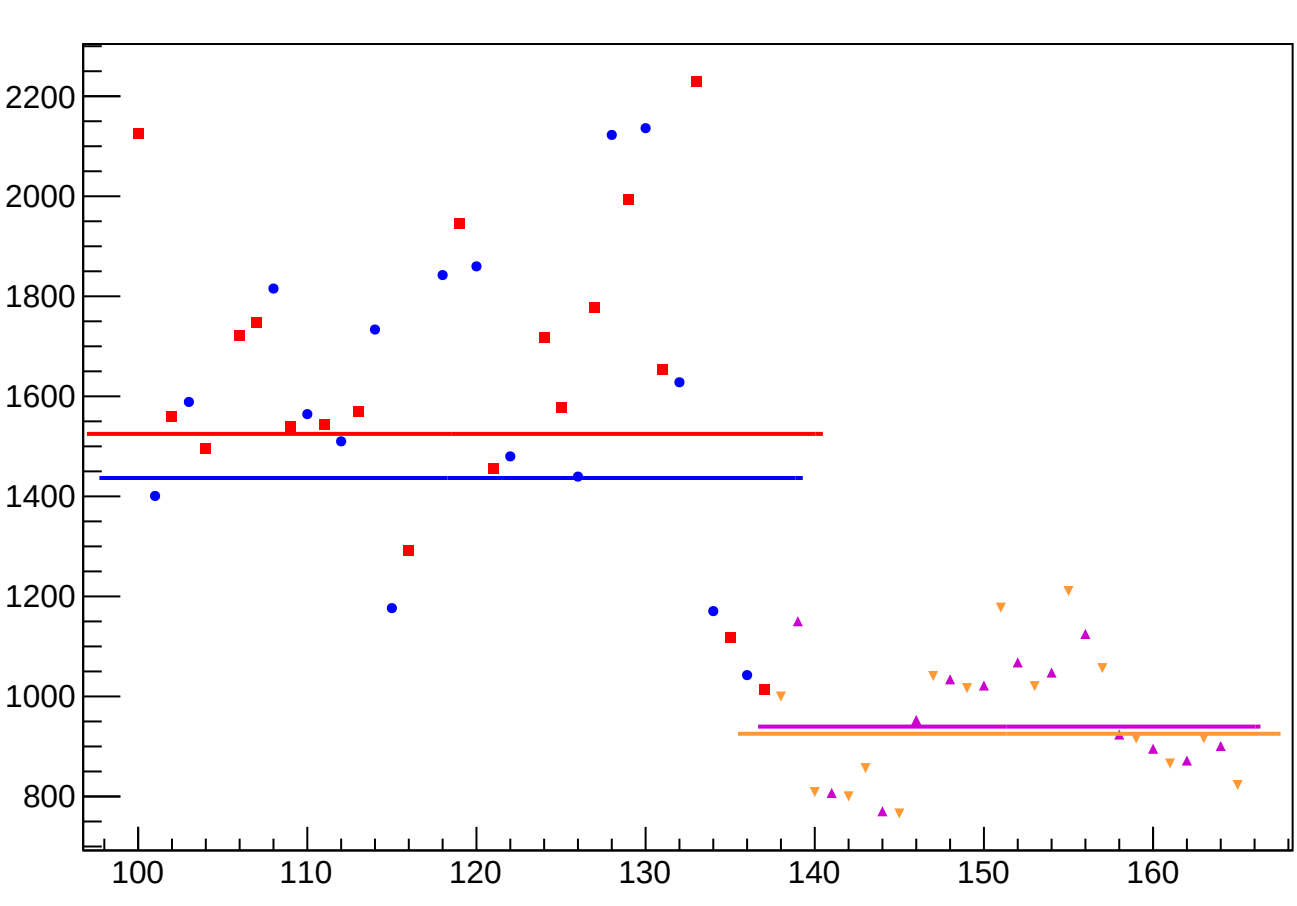
Left: -656.728+/-197.504 χ^2/NDF: 56.5/27

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -192.996+/-254.131 χ^2/NDF:36.0/28

Out: -847.282+/-245.852 χ^2/NDF:59.2/33

All: -530.971+/-176.698 χ^2/NDF: 98.6/62



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 925.395+/-0.193 χ^2/NDF:411777.4/14

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.4/12

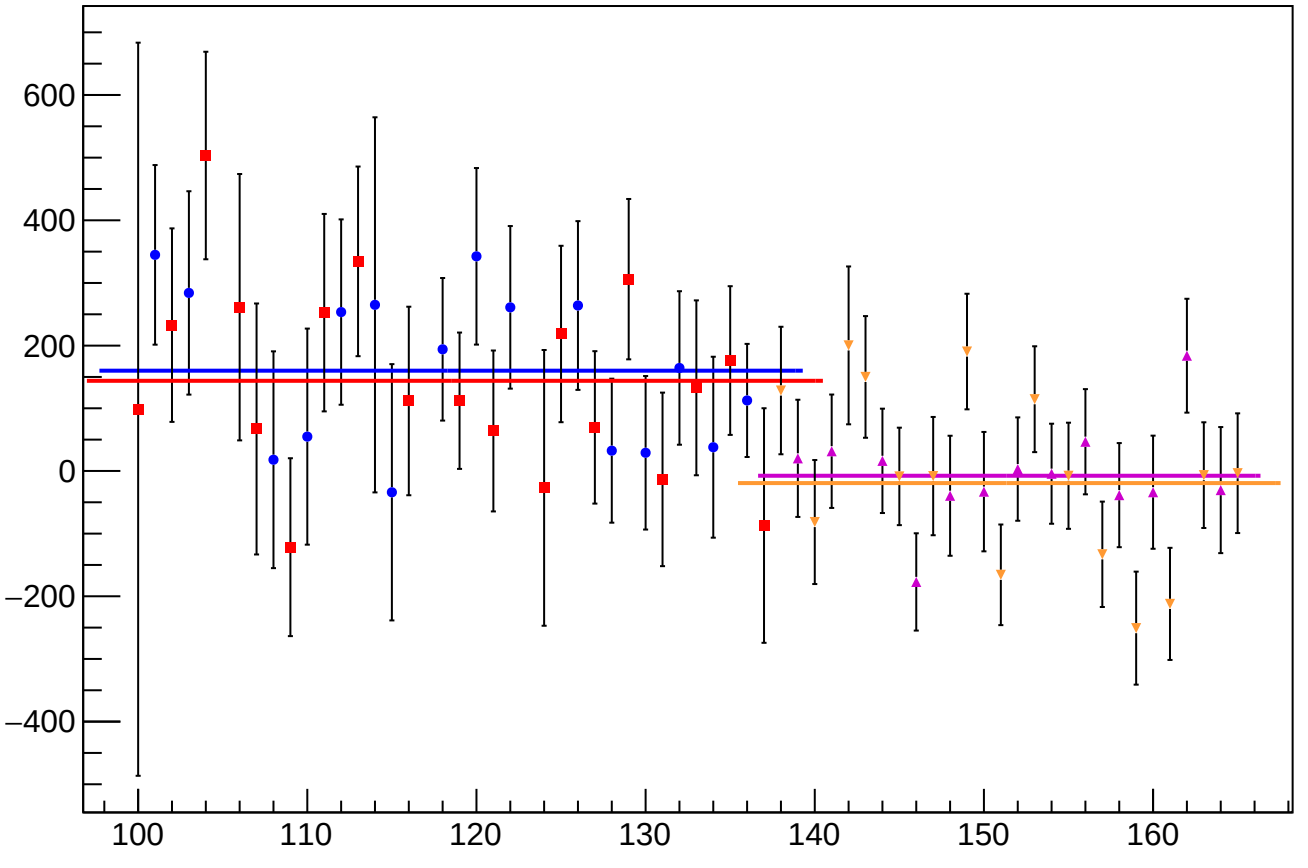
Left: 932.194+/-0.140 χ^2/NDF: 734447.4/27

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1045.739+/-0.180 χ^2/NDF:2279621.7/28

Out: 1037.353+/-0.174 χ^2/NDF:2722701.3/33

All: 1041.407+/-0.125 χ^2/NDF: 5003448.1/62



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.357+/-23.331 χ^2/NDF:32.8/14

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -7.656+/-24.259 χ^2/NDF:10.5/12

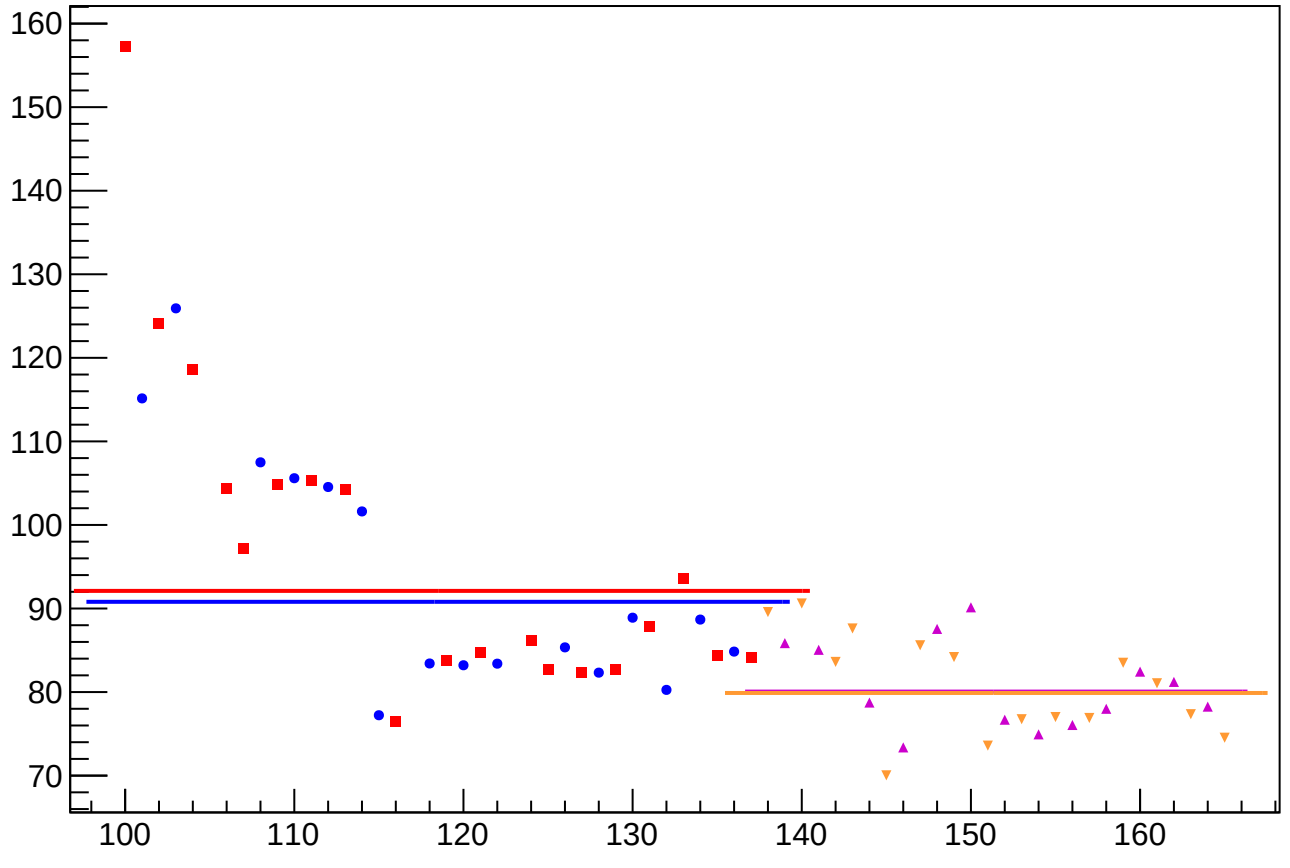
Left: -13.735+/-16.816 χ^2/NDF: 43.3/27

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 48.536+/-19.781 χ^2/NDF:37.5/28

Out: 32.447+/-19.276 χ^2/NDF:65.6/33

All: 40.283+/-13.805 χ^2/NDF: 103.5/62



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

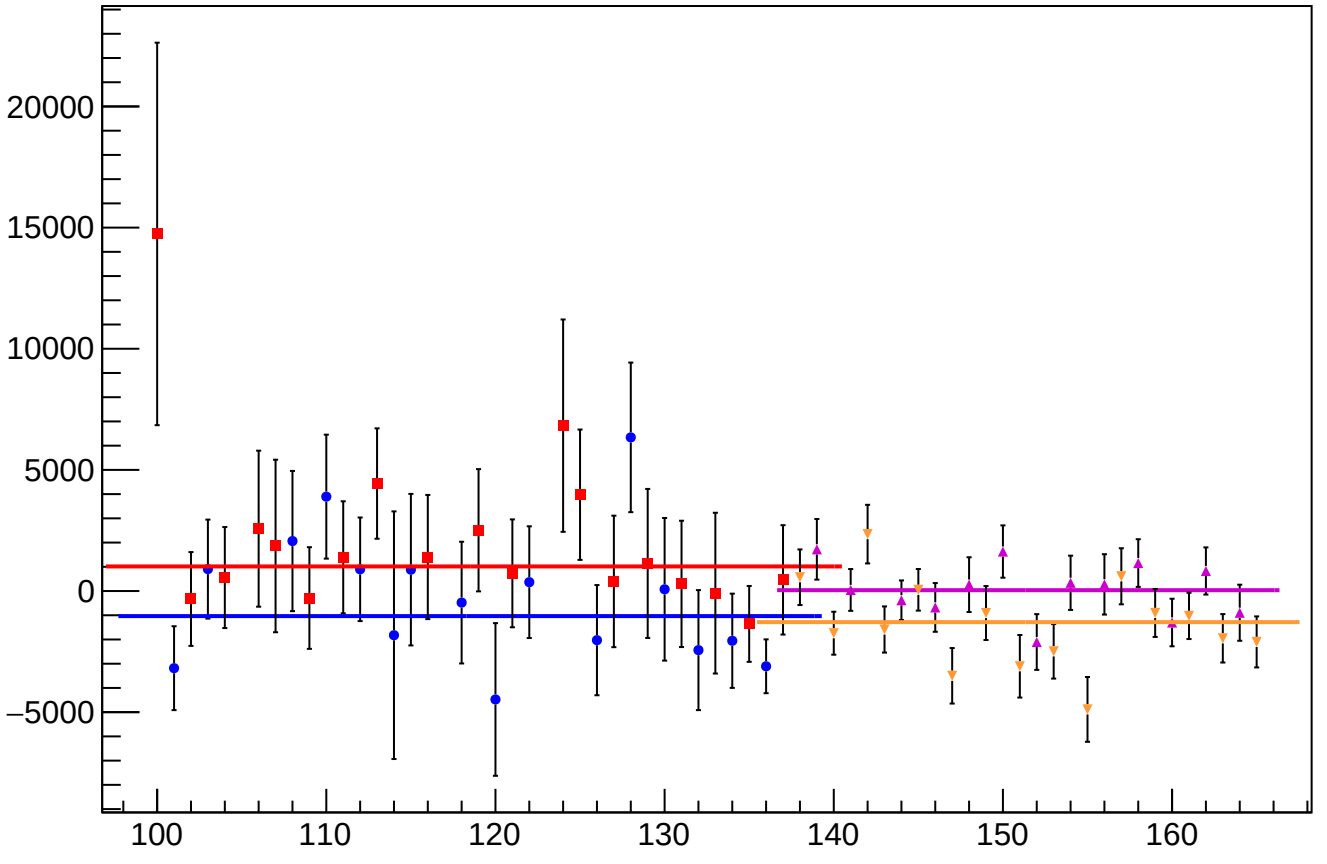
Left: 79.972+/-0.012 χ^2/NDF: 214824.8/27

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.658+/-0.014 χ^2/NDF:487708.1/28

Out: 83.770+/-0.014 χ^2/NDF:606084.9/33

All: 83.715+/-0.010 χ^2/NDF: 1093825.8/62



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1283.260+/-272.620 χ^2/NDF:32.6/14

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 35.357+/-286.526 χ^2/NDF:12.8/12

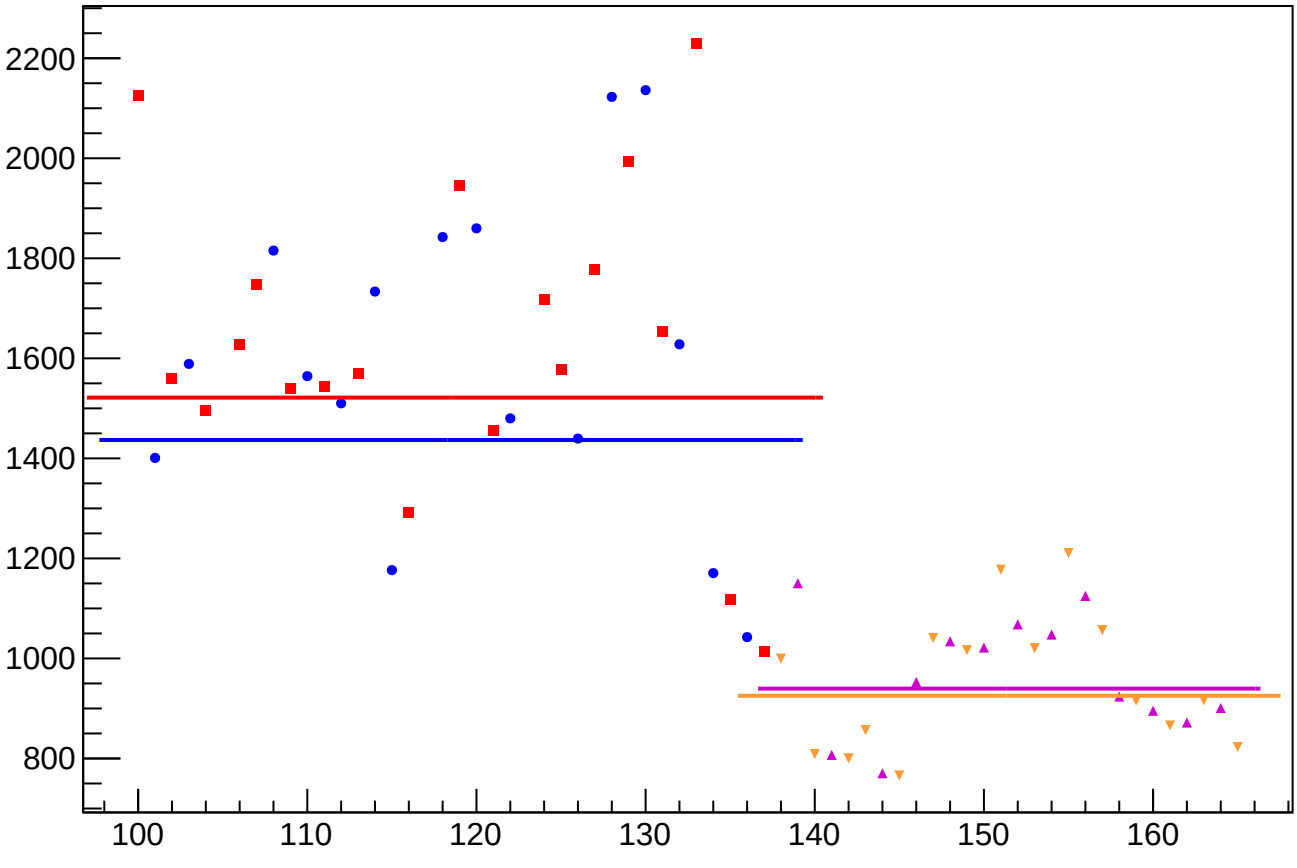
Left: -656.726+/-197.504 χ^2/NDF: 56.5/27

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -192.990+/-254.132 χ^2/NDF:36.0/28

Out: -855.052+/-245.919 χ^2/NDF:58.3/33

All: -534.891+/-176.723 χ^2/NDF: 97.8/62



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 925.395+/-0.193 χ^2/NDF:411778.1/14

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

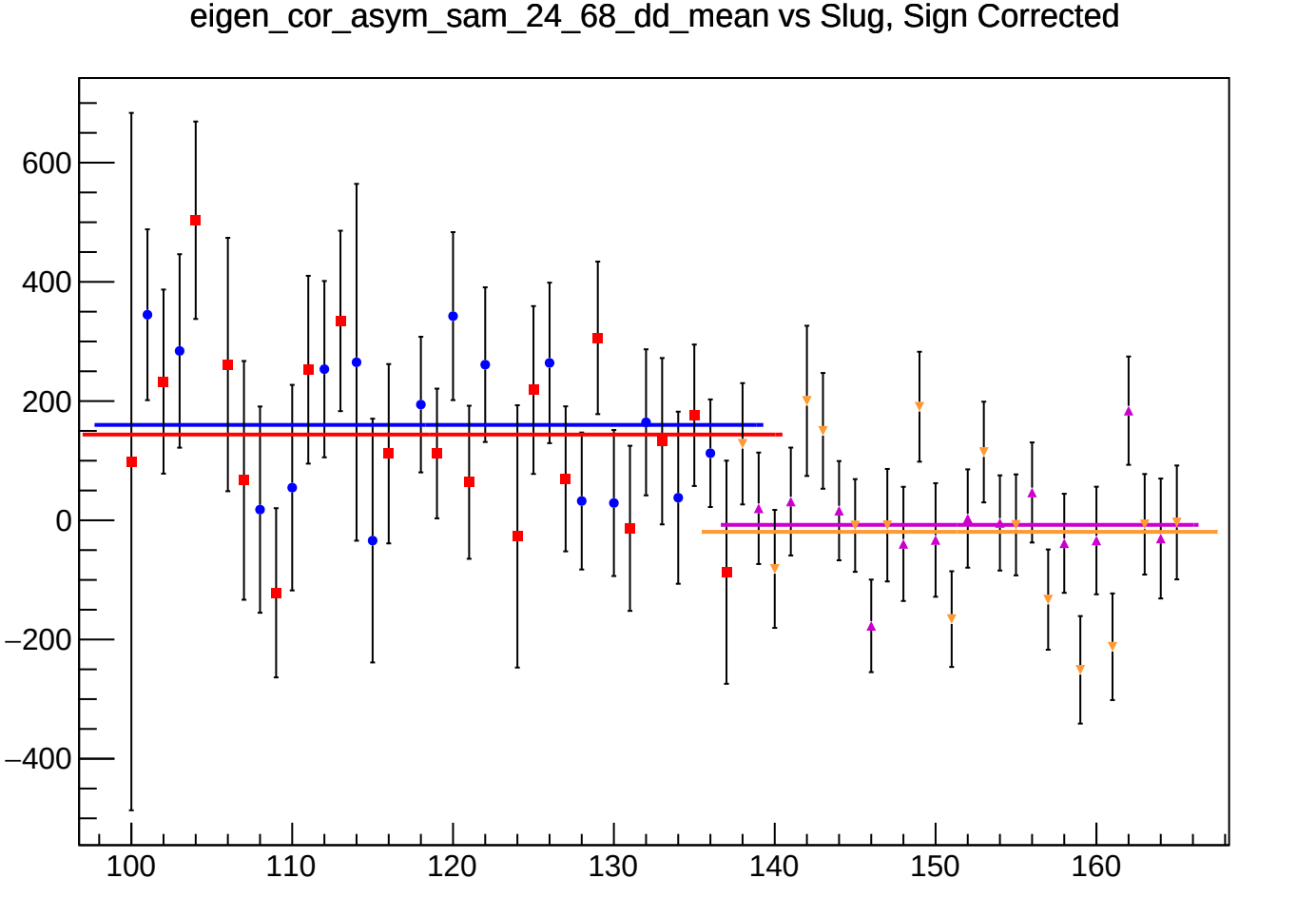
Left: 932.194+/-0.140 χ^2/NDF: 734448.3/27

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1045.740+/-0.180 χ^2/NDF:2279642.3/28

Out: 1036.440+/-0.174 χ^2/NDF:2691448.2/33

All: 1040.937+/-0.125 χ^2/NDF: 4972473.5/62



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.357+/-23.331 χ^2/NDF:32.8/14

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -7.656+/-24.259 χ^2/NDF:10.5/12

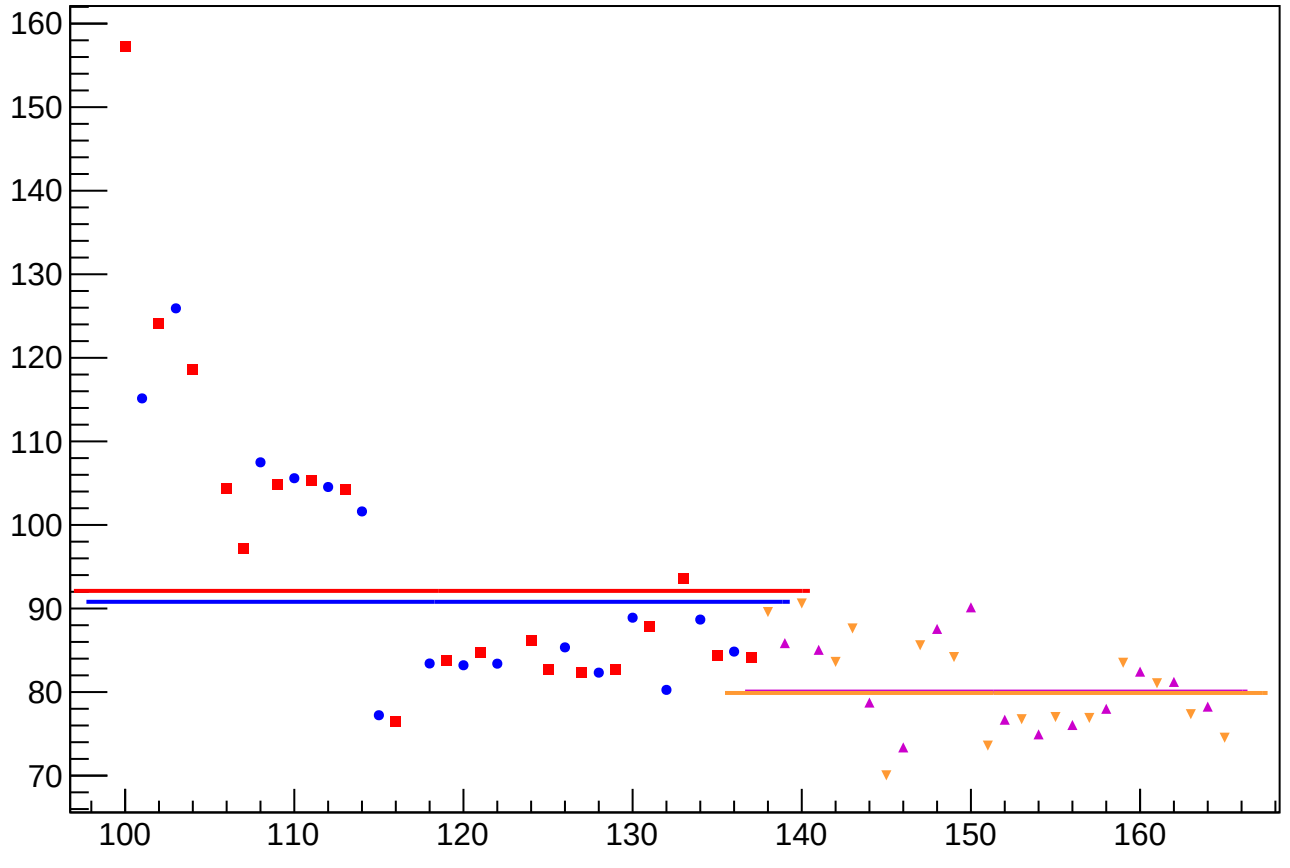
Left: -13.735+/-16.816 χ^2/NDF: 43.3/27

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 48.536+/-19.781 χ^2/NDF:37.5/28

Out: 32.447+/-19.276 χ^2/NDF:65.6/33

All: 40.283+/-13.805 χ^2/NDF: 103.5/62



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

Left: 79.972+/-0.012 χ^2/NDF: 214824.8/27

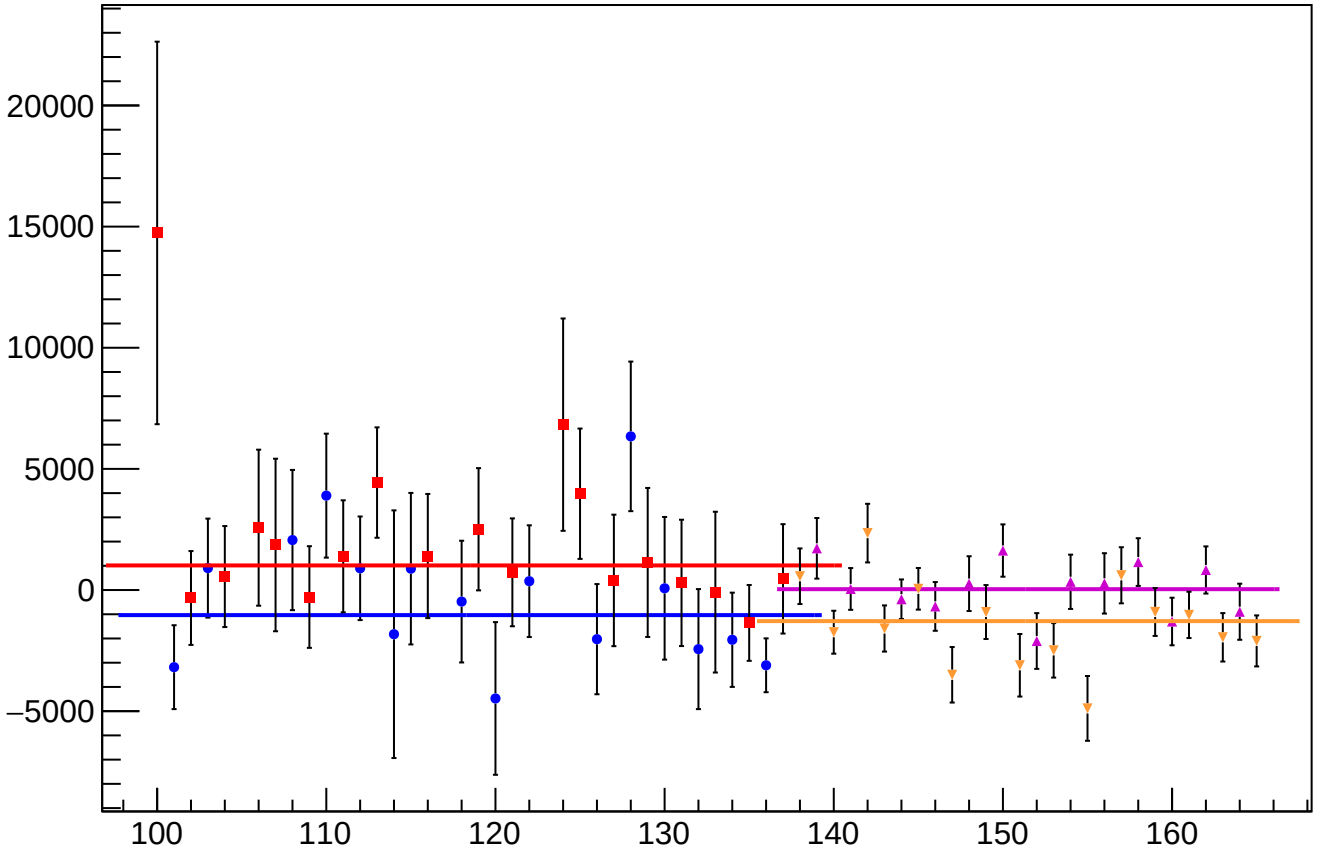
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.658+/-0.014 χ^2/NDF:487708.1/28

Out: 83.770+/-0.014 χ^2/NDF:606084.9/33

All: 83.715+/-0.010 χ^2/NDF: 1093825.8/62

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: -1283.260+/-272.620 χ^2/NDF:32.6/14

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 35.357+/-286.526 χ^2/NDF:12.8/12

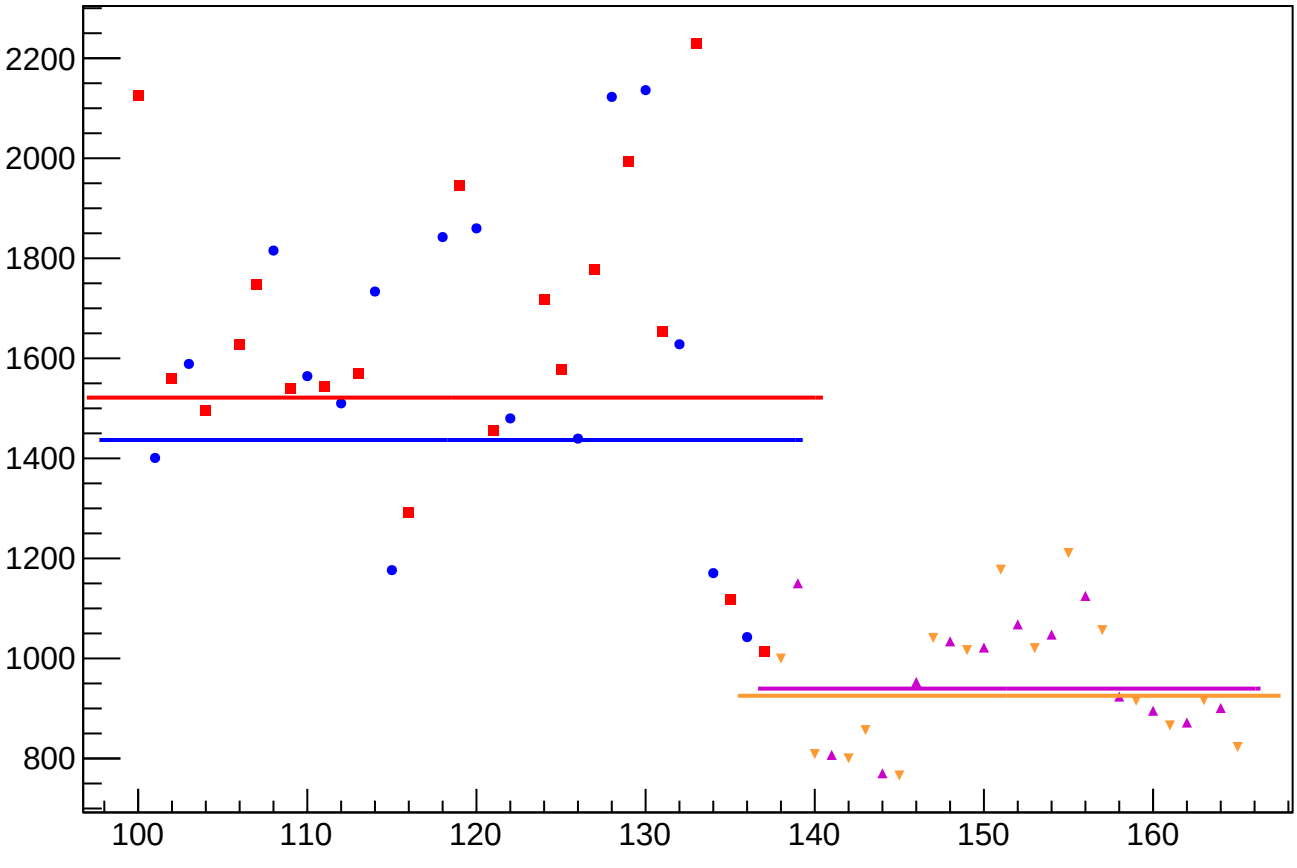
Left: -656.726+/-197.504 χ^2/NDF: 56.5/27

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -192.990+/-254.132 χ^2/NDF:36.0/28

Out: -855.052+/-245.919 χ^2/NDF:58.3/33

All: -534.891+/-176.723 χ^2/NDF: 97.8/62



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 925.395+/-0.193 χ^2/NDF:411778.1/14

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

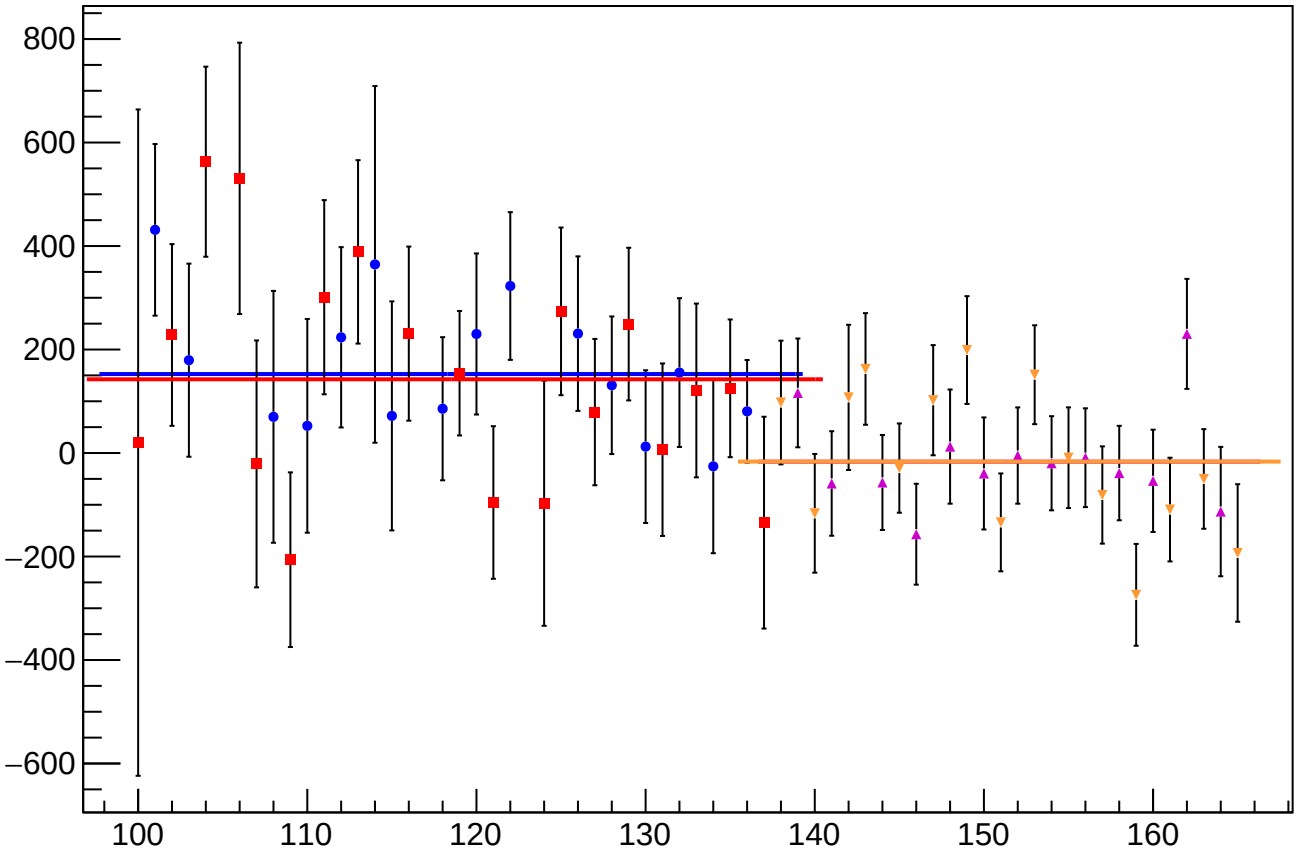
Left: 932.194+/-0.140 χ^2/NDF: 734448.3/27

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1045.740+/-0.180 χ^2/NDF:2279642.3/28

Out: 1036.440+/-0.174 χ^2/NDF:2691448.2/33

All: 1040.937+/-0.125 χ^2/NDF: 4972473.5/62



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -16.535+/-26.677 χ^2/NDF:25.5/14

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -16.769+/-27.726 χ^2/NDF:10.4/12

Left: -16.648+/-19.224 χ^2/NDF: 35.8/27

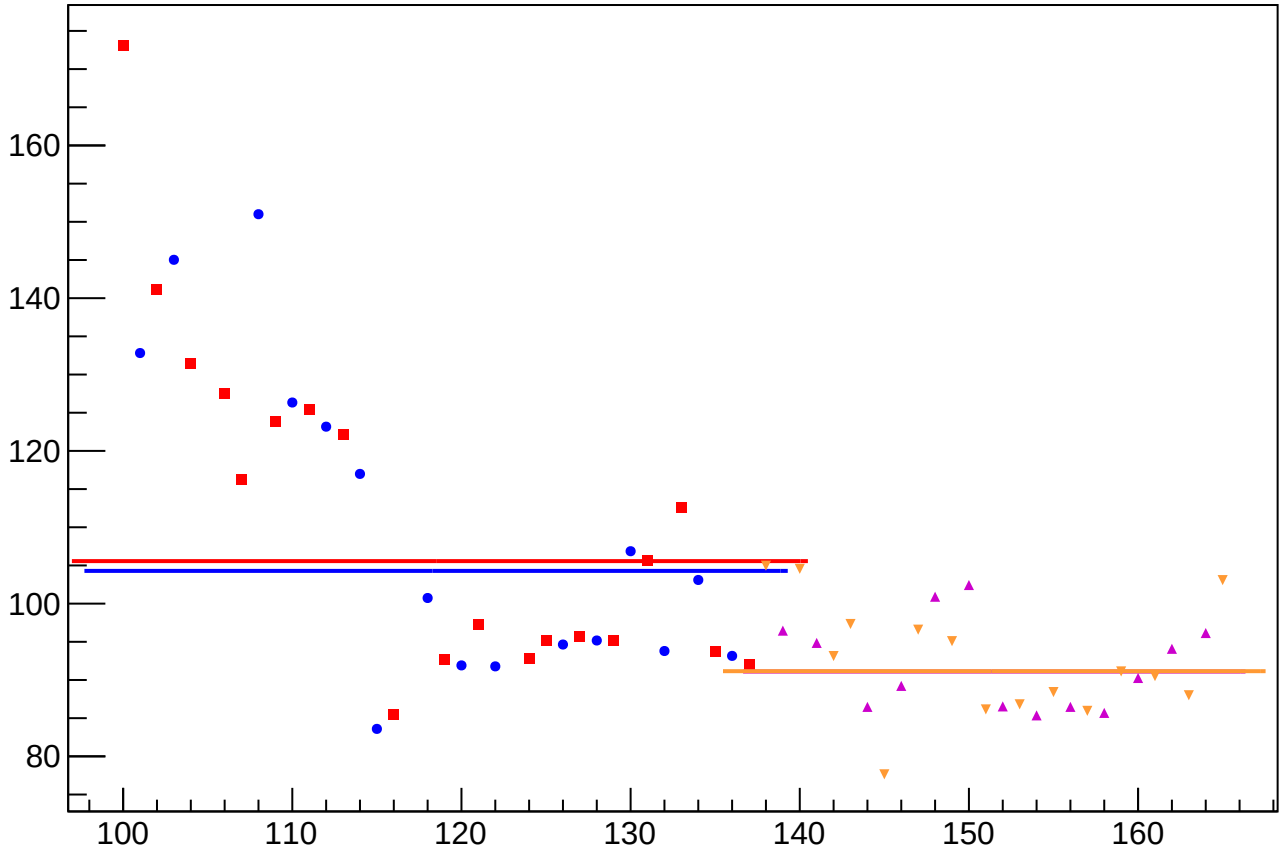
Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 39.245+/-22.683 χ^2/NDF:31.3/28

Out: 33.559+/-22.080 χ^2/NDF:59.6/33

All: 36.325+/-15.822 χ^2/NDF: 90.9/62

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 91.153+/-0.019 χ^2/NDF:153842.9/14

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.105+/-0.020 χ^2/NDF:80940.5/12

Left: 91.130+/-0.014 χ^2/NDF: 234786.5/27

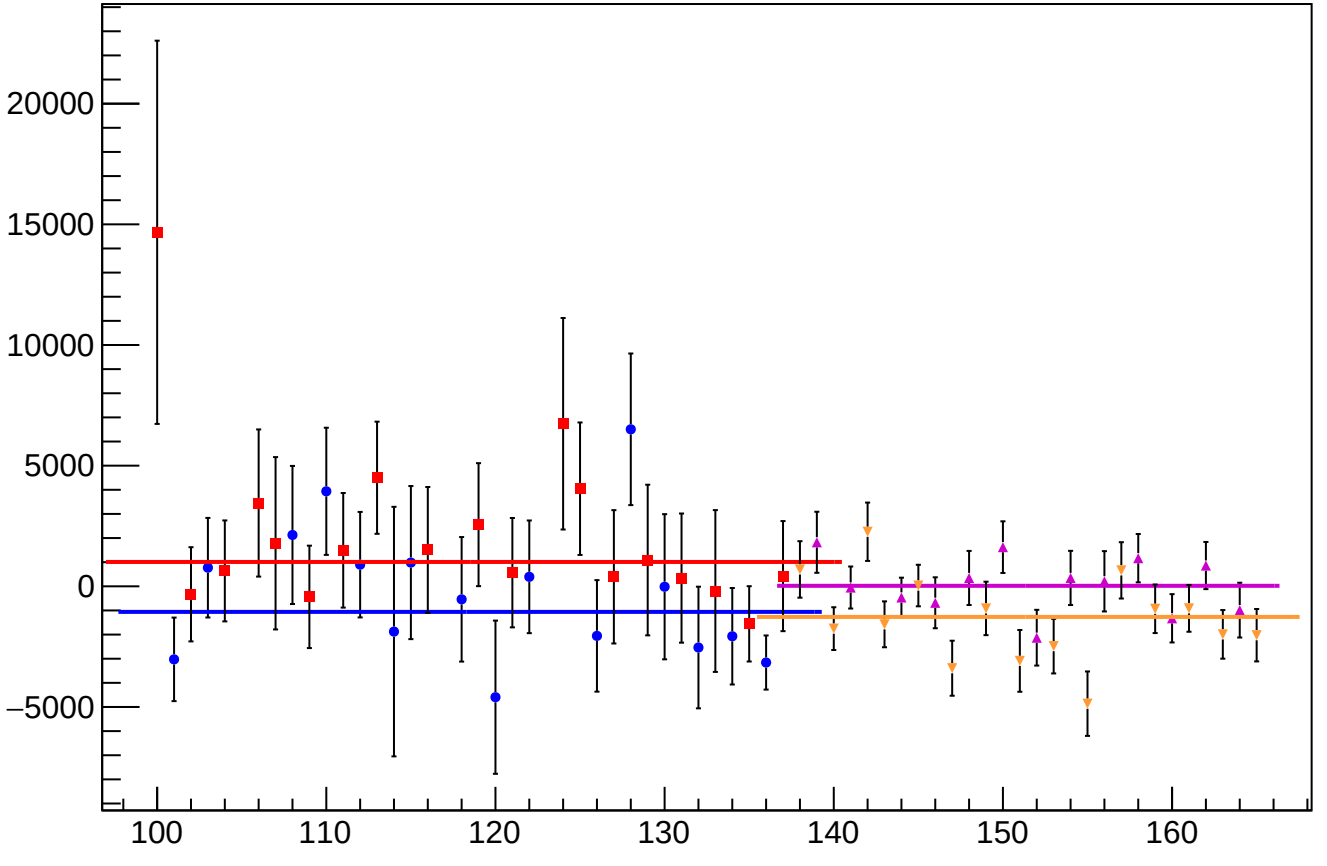
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.464+/-0.016 χ^2/NDF:608726.0/28

Out: 95.694+/-0.016 χ^2/NDF:682388.4/33

All: 95.582+/-0.011 χ^2/NDF: 1291220.2/62

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: -1268.104+/-274.187 χ^2/NDF:32.0/14

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 21.127+/-288.687 χ^2/NDF:13.4/12

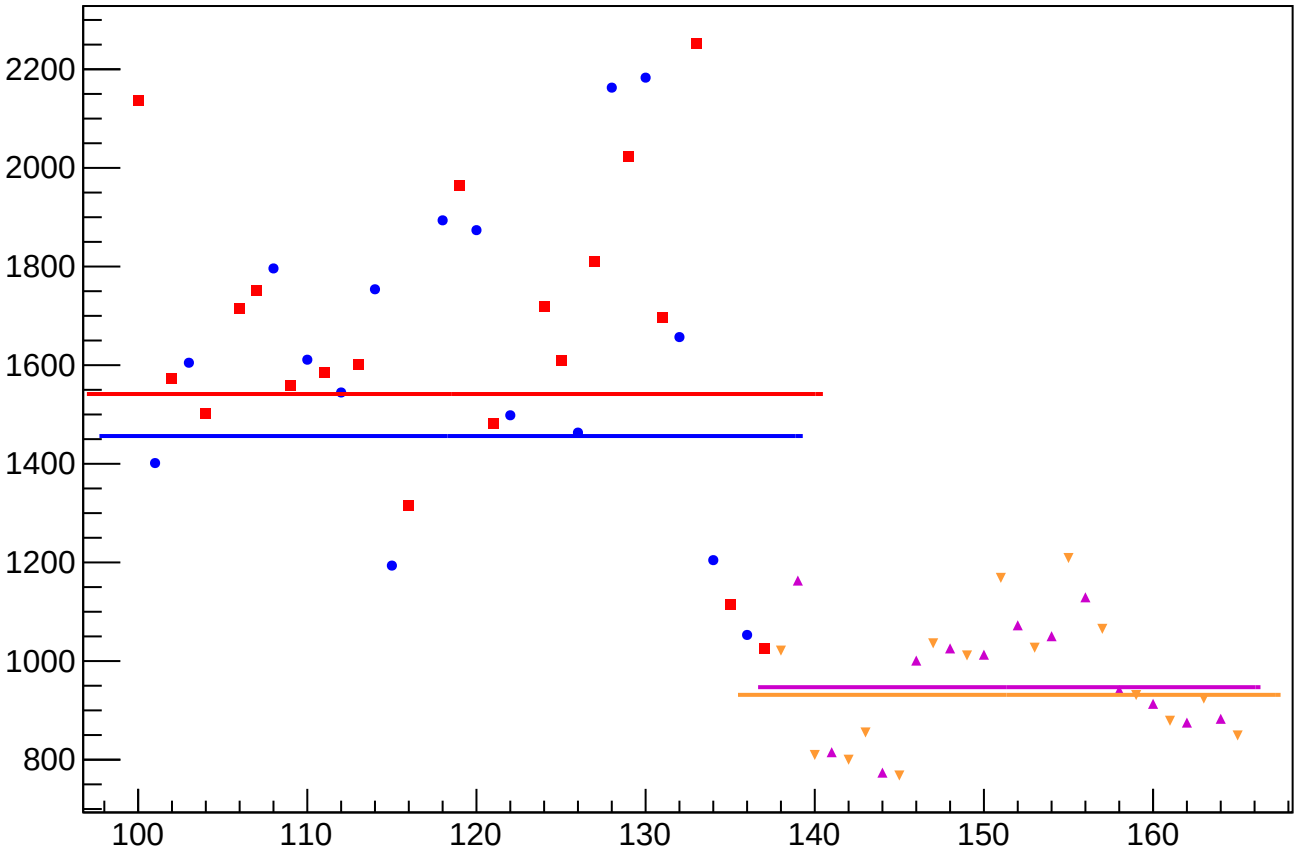
Left: -656.679+/-198.808 χ^2/NDF: 55.9/27

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -207.243+/-256.370 χ^2/NDF:36.4/28

Out: -846.202+/-247.498 χ^2/NDF:58.1/33

All: -537.971+/-178.061 χ^2/NDF: 97.7/62



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 931.503+/-0.194 χ^2/NDF:398748.5/14

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 947.063+/-0.204 χ^2/NDF:318909.3/12

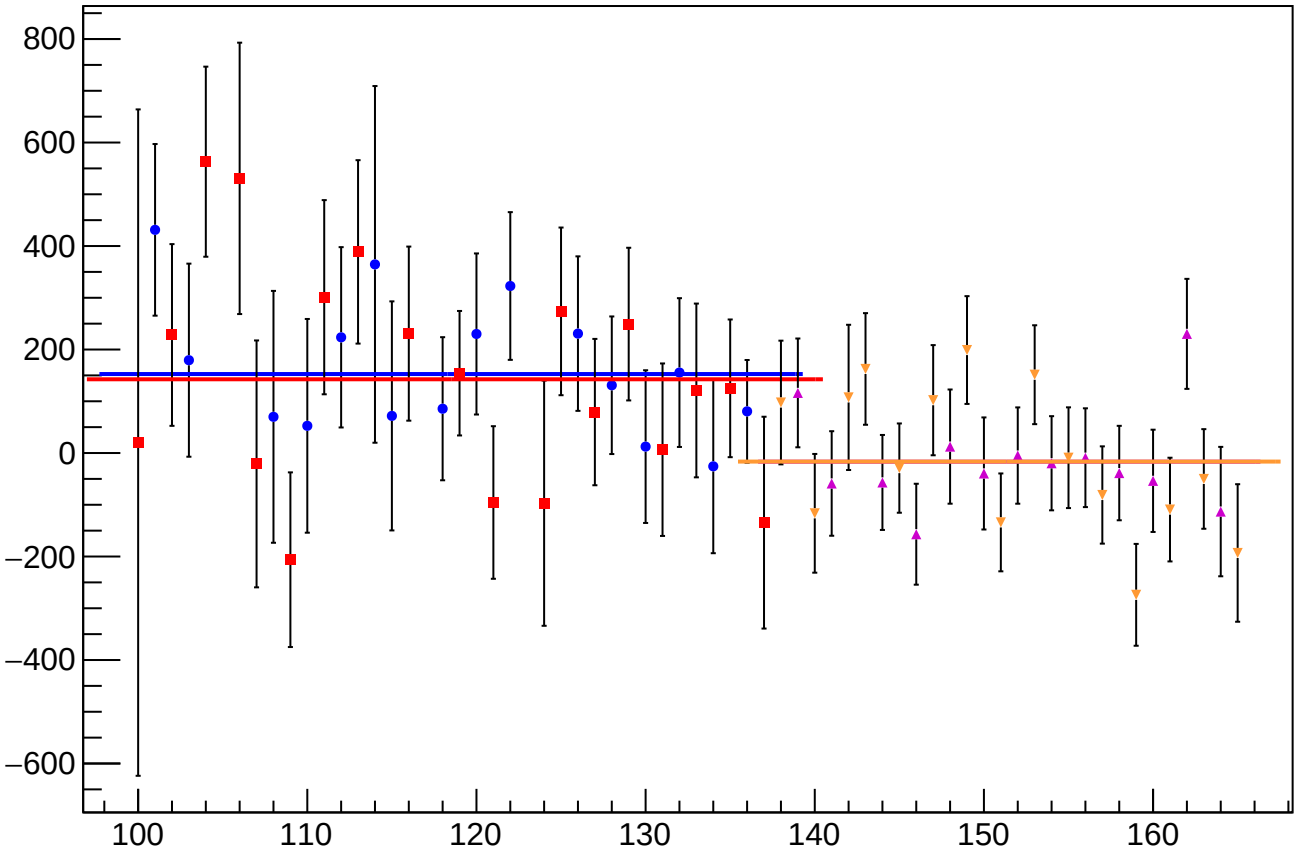
Left: 938.882+/-0.141 χ^2/NDF: 720712.6/27

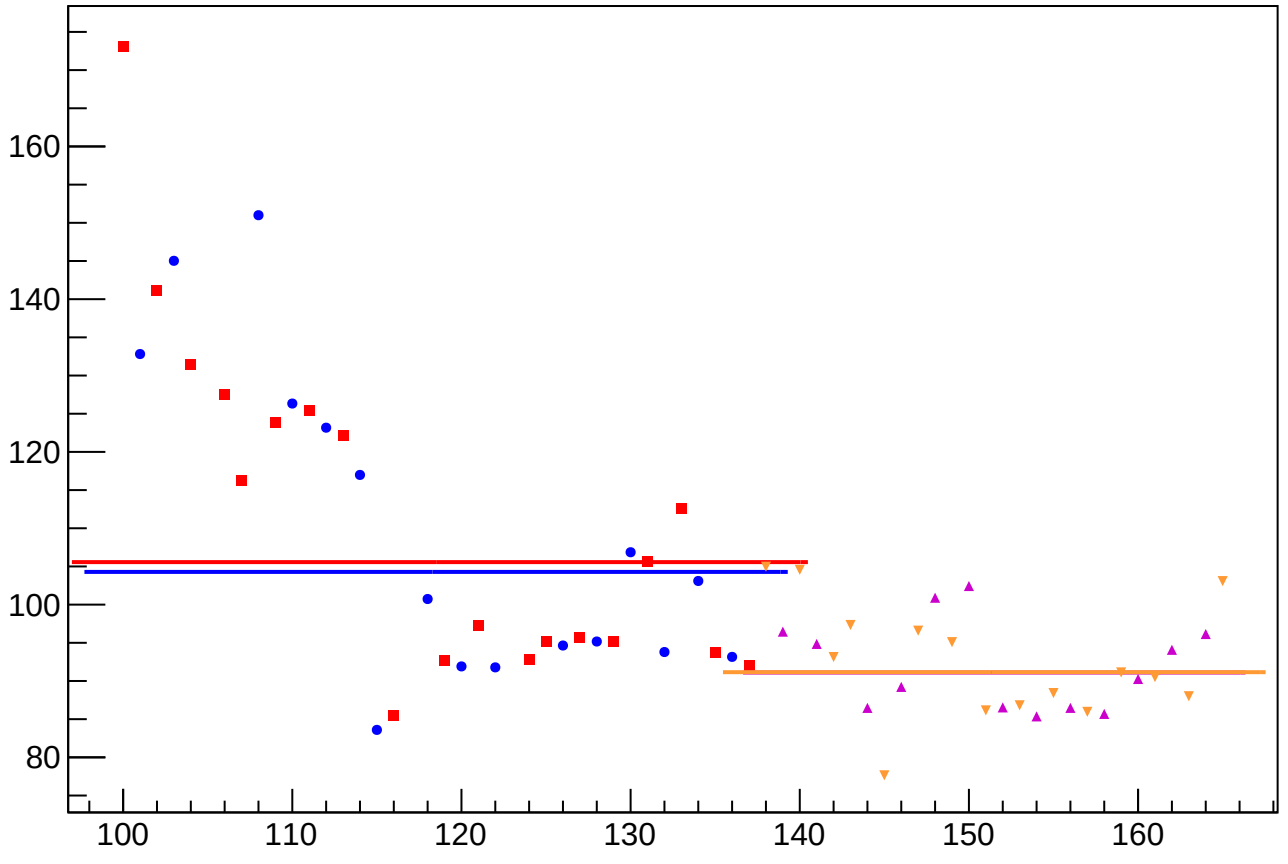
Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1054.695+/-0.181 χ^2/NDF:2319061.5/28

Out: 1044.482+/-0.175 χ^2/NDF:2751576.3/33

All: 1049.409+/-0.126 χ^2/NDF: 5072280.7/62


eigen_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
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -16.534+/-26.678 χ²/NDF:25.5/14
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -16.770+/-27.726 χ²/NDF:10.4/12
Left: -16.648+/-19.224 χ²/NDF: 35.8/27
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 39.246+/-22.683 χ²/NDF:31.3/28
Out: 33.560+/-22.080 χ²/NDF:59.6/33
All: 36.326+/-15.822 χ²/NDF: 90.9/62



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.153+/-0.019 χ^2/NDF:153838.2/14

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.105+/-0.020 χ^2/NDF:80939.5/12

Left: 91.130+/-0.014 χ^2/NDF: 234780.8/27

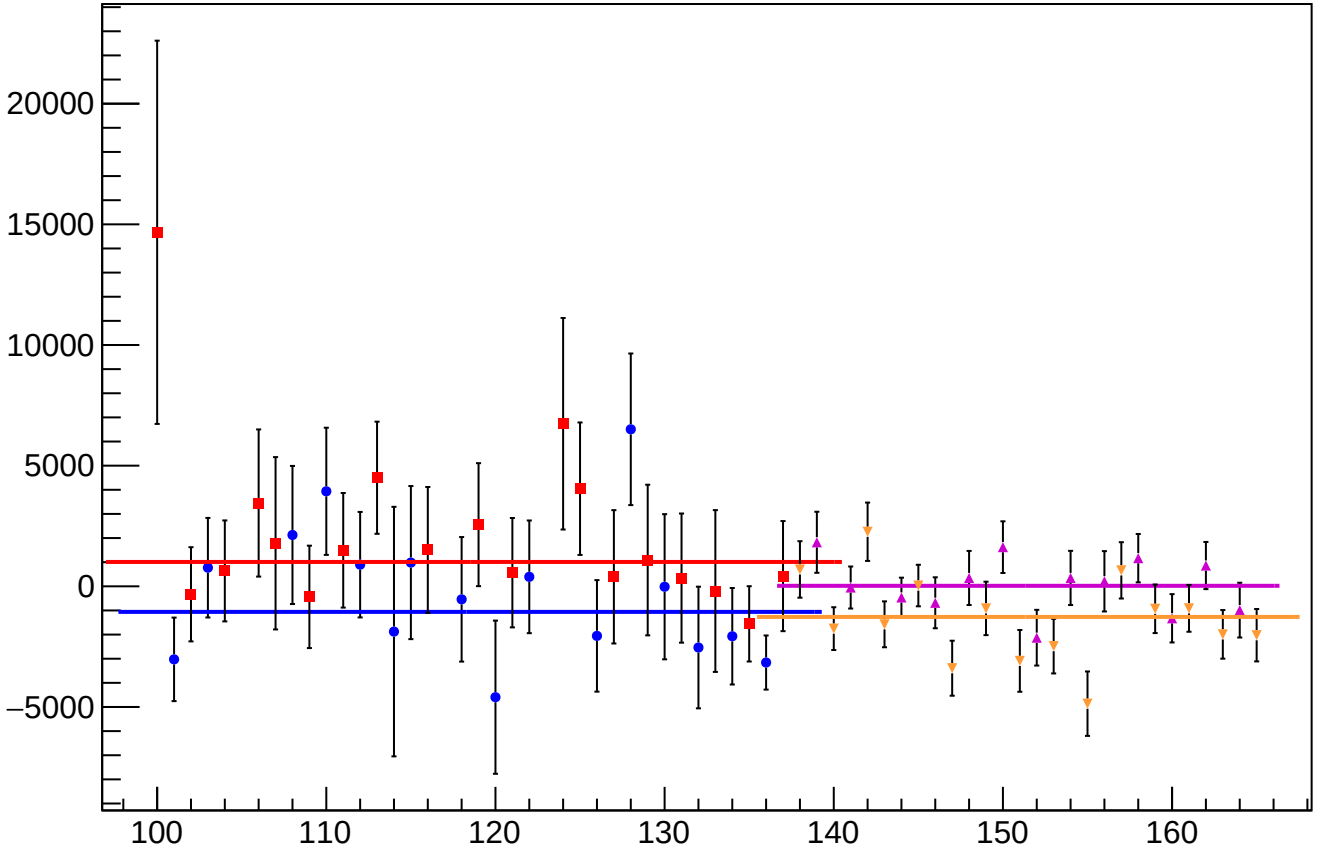
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.463+/-0.016 χ^2/NDF:608705.6/28

Out: 95.694+/-0.016 χ^2/NDF:682362.1/33

All: 95.582+/-0.011 χ^2/NDF: 1291173.7/62

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: -1268.102+/-274.187 χ^2/NDF:32.0/14

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 21.126+/-288.687 χ^2/NDF:13.4/12

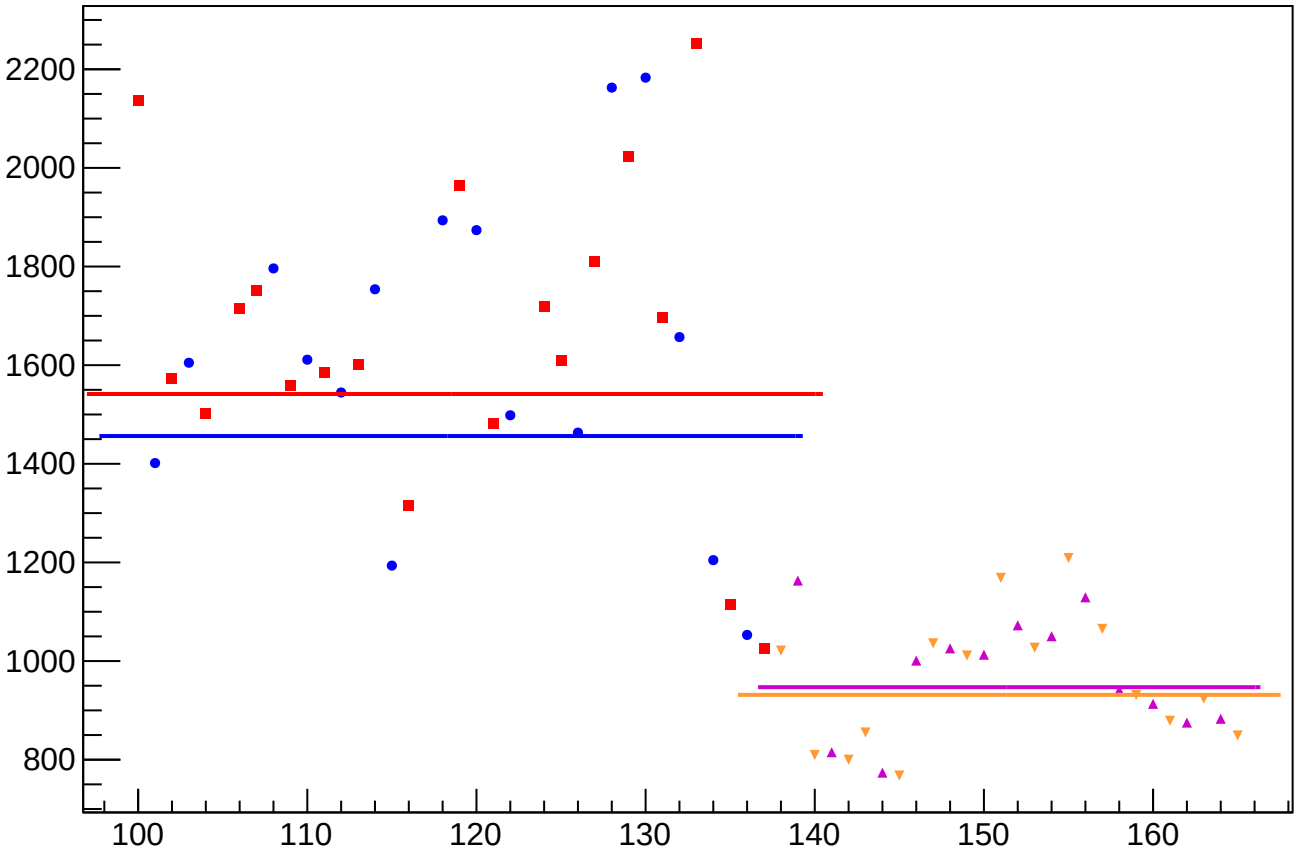
Left: -656.678+/-198.808 χ^2/NDF: 55.9/27

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -207.243+/-256.370 χ^2/NDF:36.4/28

Out: -846.201+/-247.497 χ^2/NDF:58.1/33

All: -537.970+/-178.061 χ^2/NDF: 97.7/62



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 931.502+/-0.194 χ^2/NDF:398751.3/14

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 947.062+/-0.204 χ^2/NDF:318910.3/12

Left: 938.881+/-0.141 χ^2/NDF: 720716.4/27

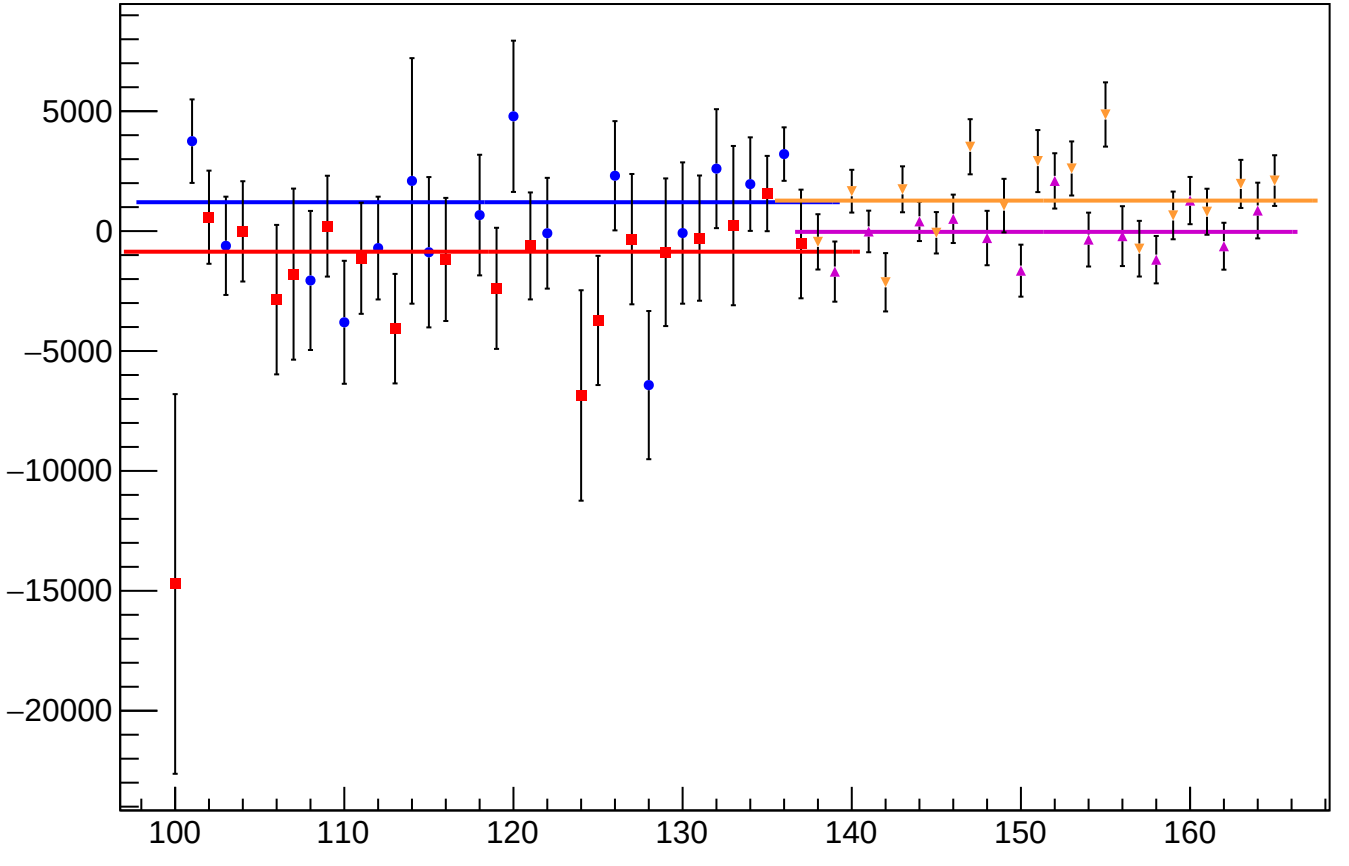
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1054.694+/-0.181 χ^2/NDF:2319054.8/28

Out: 1044.481+/-0.175 χ^2/NDF:2751572.7/33

All: 1049.408+/-0.126 χ^2/NDF: 5072270.4/62

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1271.899+/-273.748 χ^2/NDF:31.7/14

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -32.201+/-287.658 χ^2/NDF:12.2/12

Left: 652.140+/-198.304 χ^2/NDF: 54.7/27

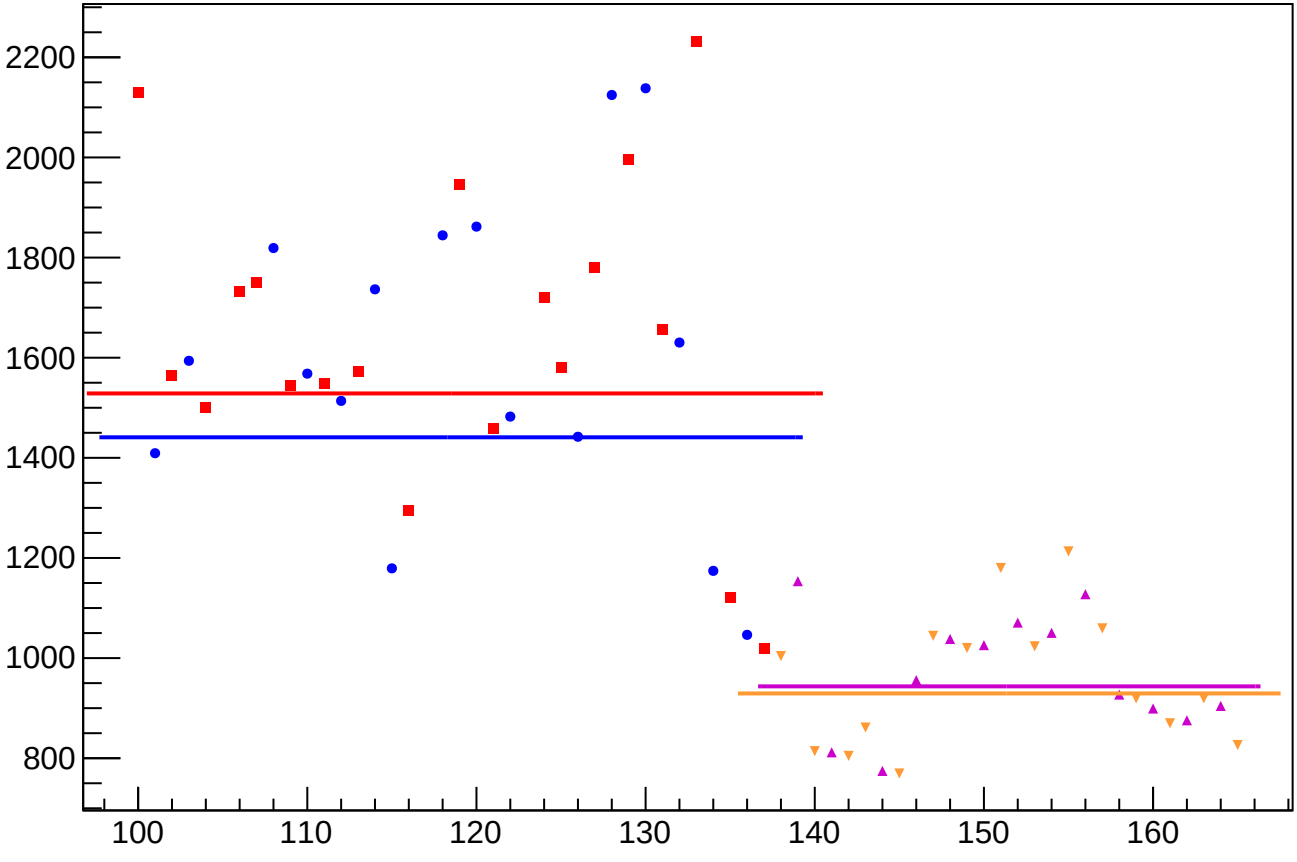
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 232.164+/-255.071 χ^2/NDF:37.3/28

Out: 872.914+/-246.797 χ^2/NDF:55.5/33

All: 563.100+/-177.365 χ^2/NDF: 96.1/62

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 929.395+/-0.194 χ^2/NDF:405792.1/14

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 943.555+/-0.203 χ^2/NDF:315036.8/12

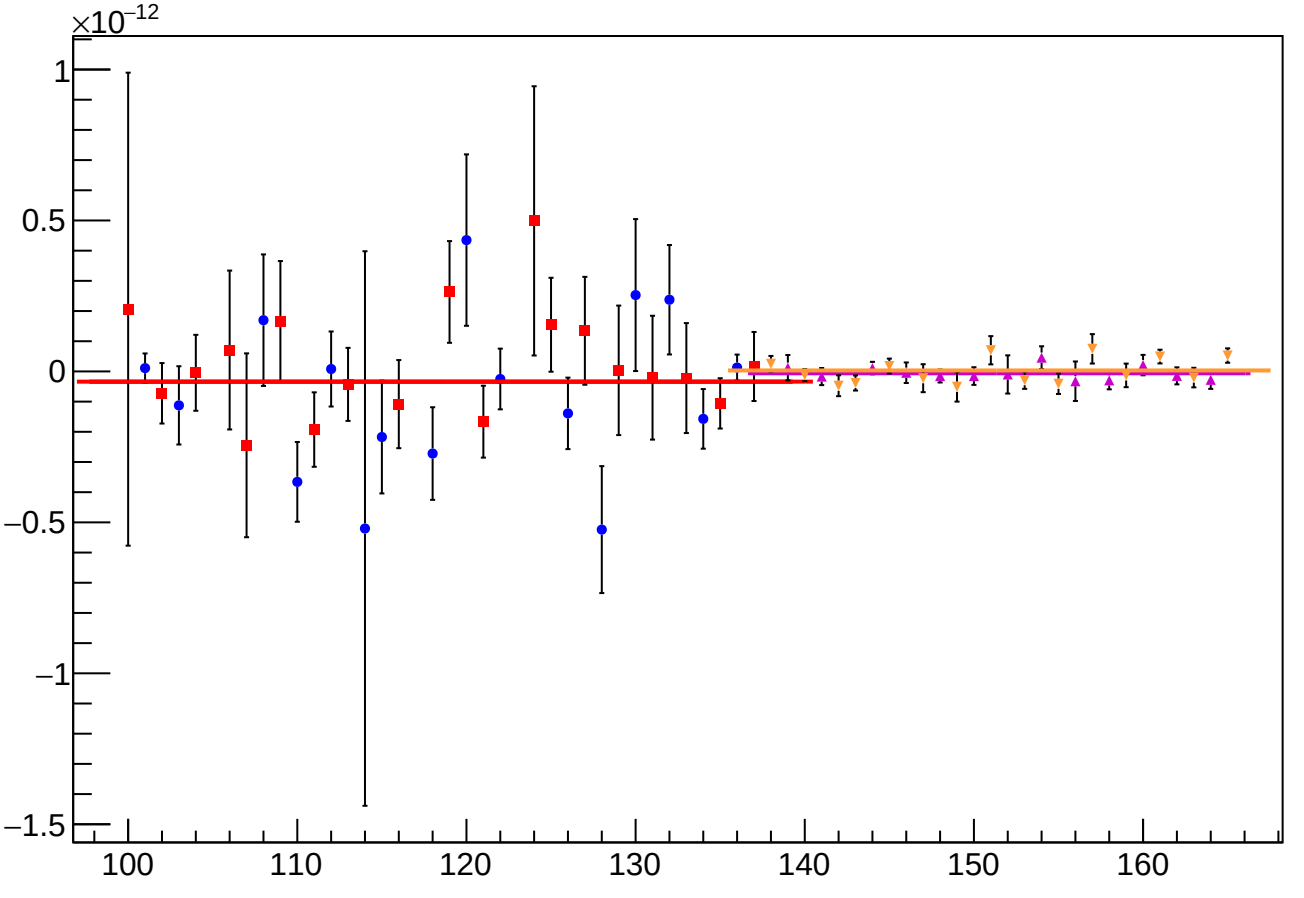
Left: 936.124+/-0.140 χ^2/NDF: 723372.0/27

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1049.880+/-0.180 χ^2/NDF:2264158.4/28

Out: 1041.583+/-0.175 χ^2/NDF:2701779.2/33

All: 1045.595+/-0.125 χ^2/NDF: 4967030.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/12

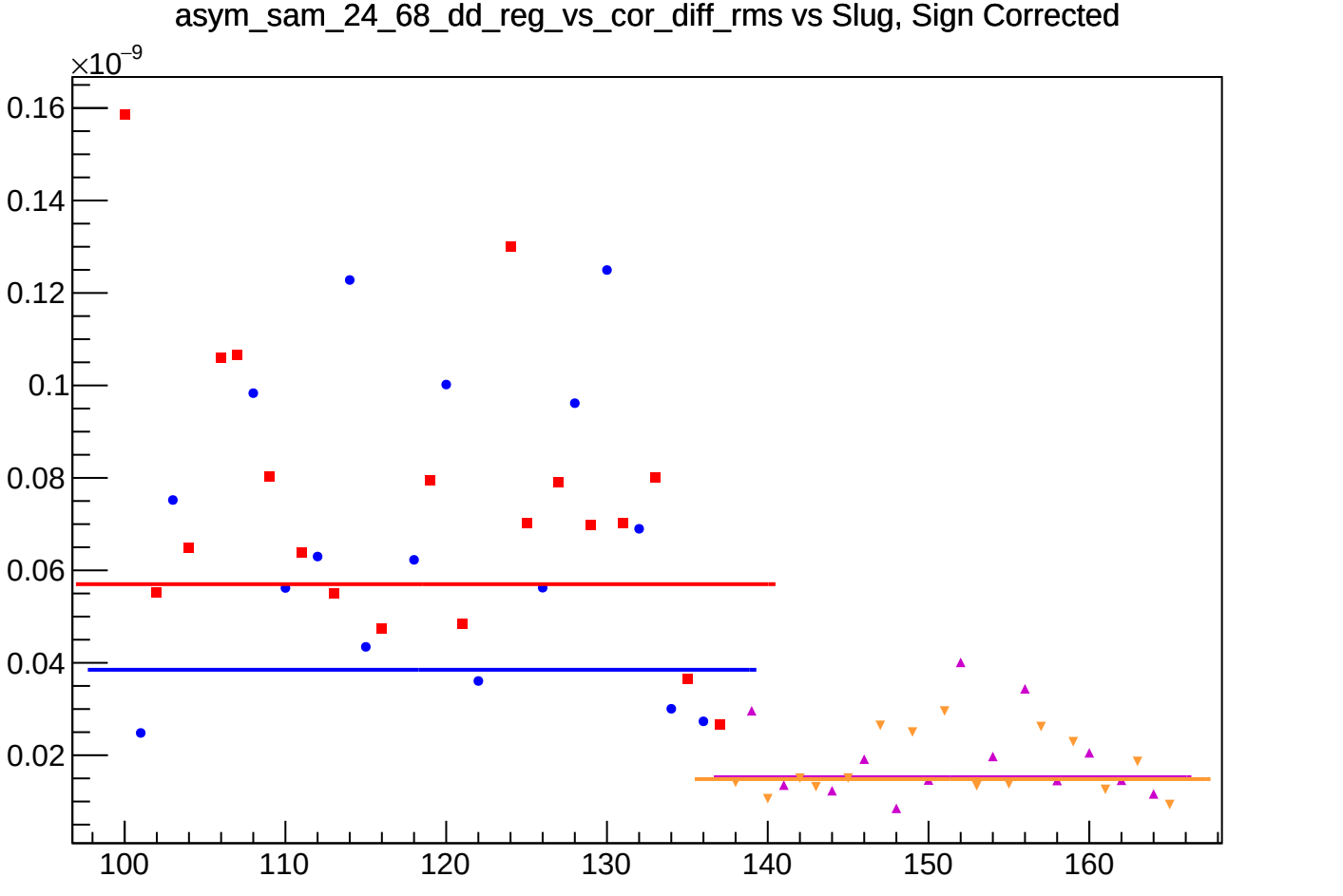
Left: -0.000+/-0.000 χ^2/NDF: 30.2/27

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:33.7/28

Out: 0.000+/-0.000 χ^2/NDF:38.4/33

All: -0.000+/-0.000 χ^2/NDF: 73.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:863050.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1091492.6/12

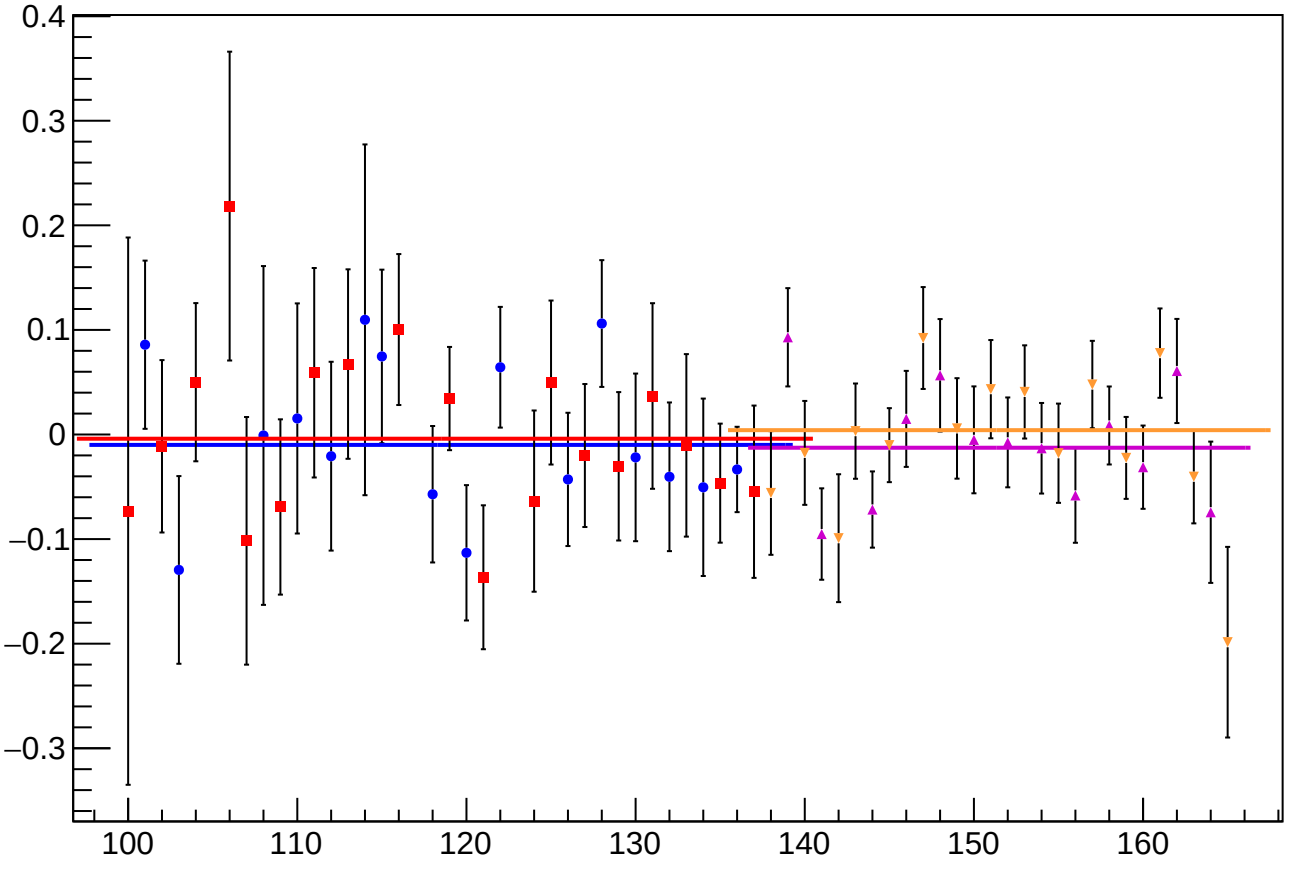
Left: 0.000+/-0.000 χ^2/NDF: 1957266.1/27

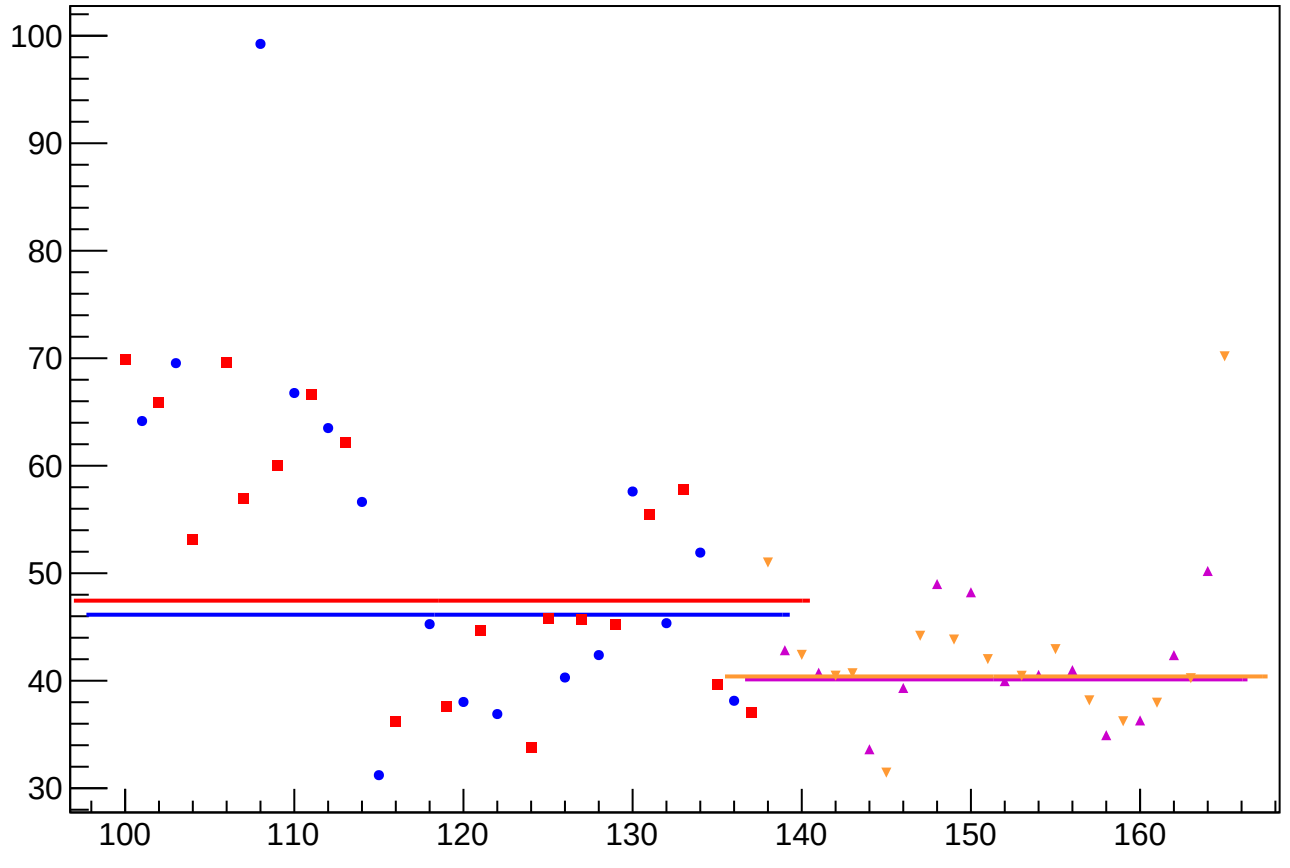
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4016721.5/28

Out: 0.000+/-0.000 χ^2/NDF:4486429.9/33

All: 0.000+/-0.000 χ^2/NDF: 8512767.1/62


asym_sam_24_68_dd_dit_vs_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
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.004+/-0.012 χ²/NDF:19.6/14
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: -0.013+/-0.012 χ²/NDF:17.9/12
Left: -0.004+/-0.009 χ²/NDF: 38.4/27
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.012+/-0.010 χ²/NDF:32.1/28
Out: 0.002+/-0.010 χ²/NDF:33.6/33
All: -0.005+/-0.007 χ²/NDF: 66.6/62



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.398+/-0.009 χ^2/NDF:474367.5/14

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

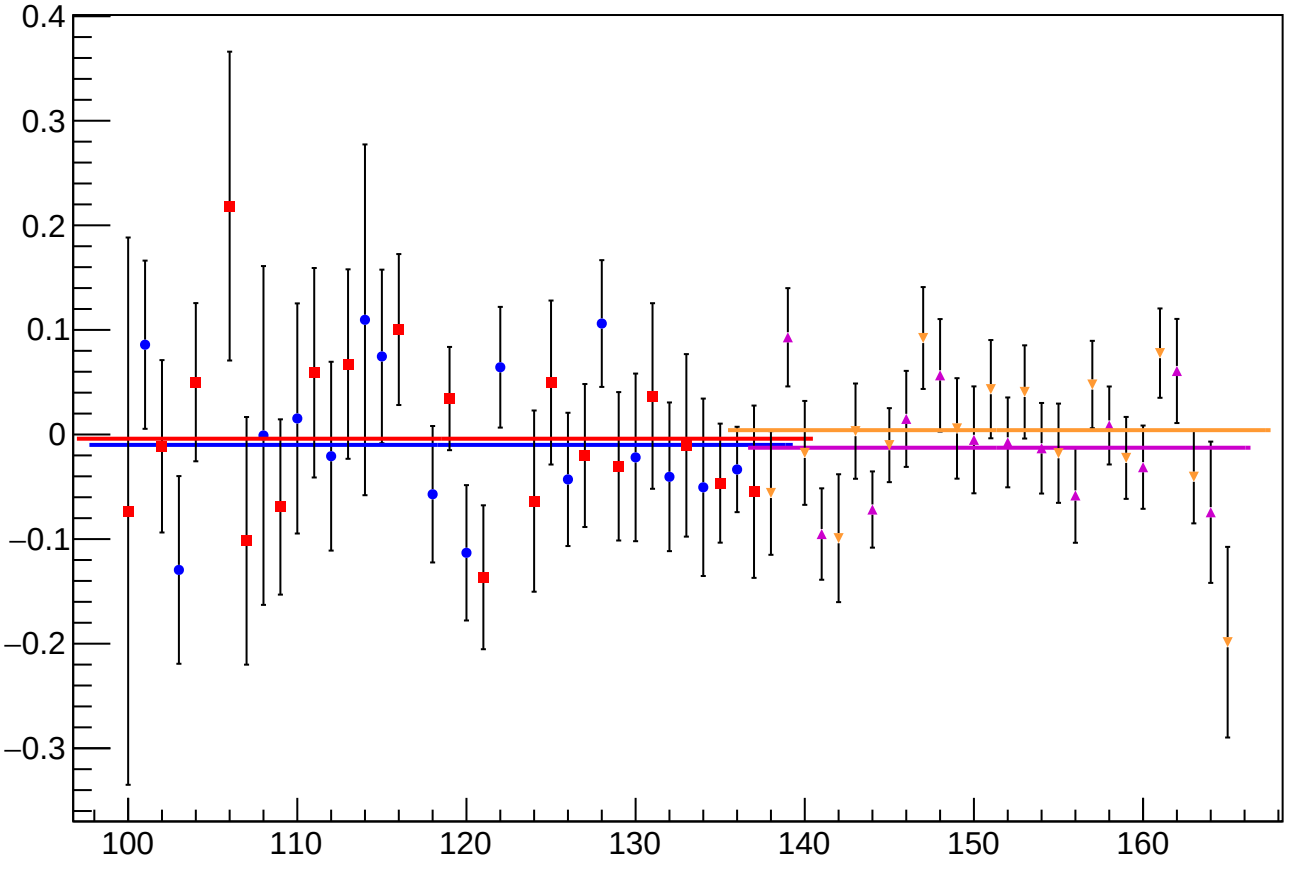
Left: 40.266+/-0.006 χ^2/NDF: 757630.9/27

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.069+/-0.007 χ^2/NDF:1337406.2/28

Out: 42.564+/-0.007 χ^2/NDF:1339575.9/33

All: 42.321+/-0.005 χ^2/NDF: 2679364.1/62



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.012 χ^2/NDF:17.9/12

Left: -0.004+/-0.009 χ^2/NDF: 38.4/27

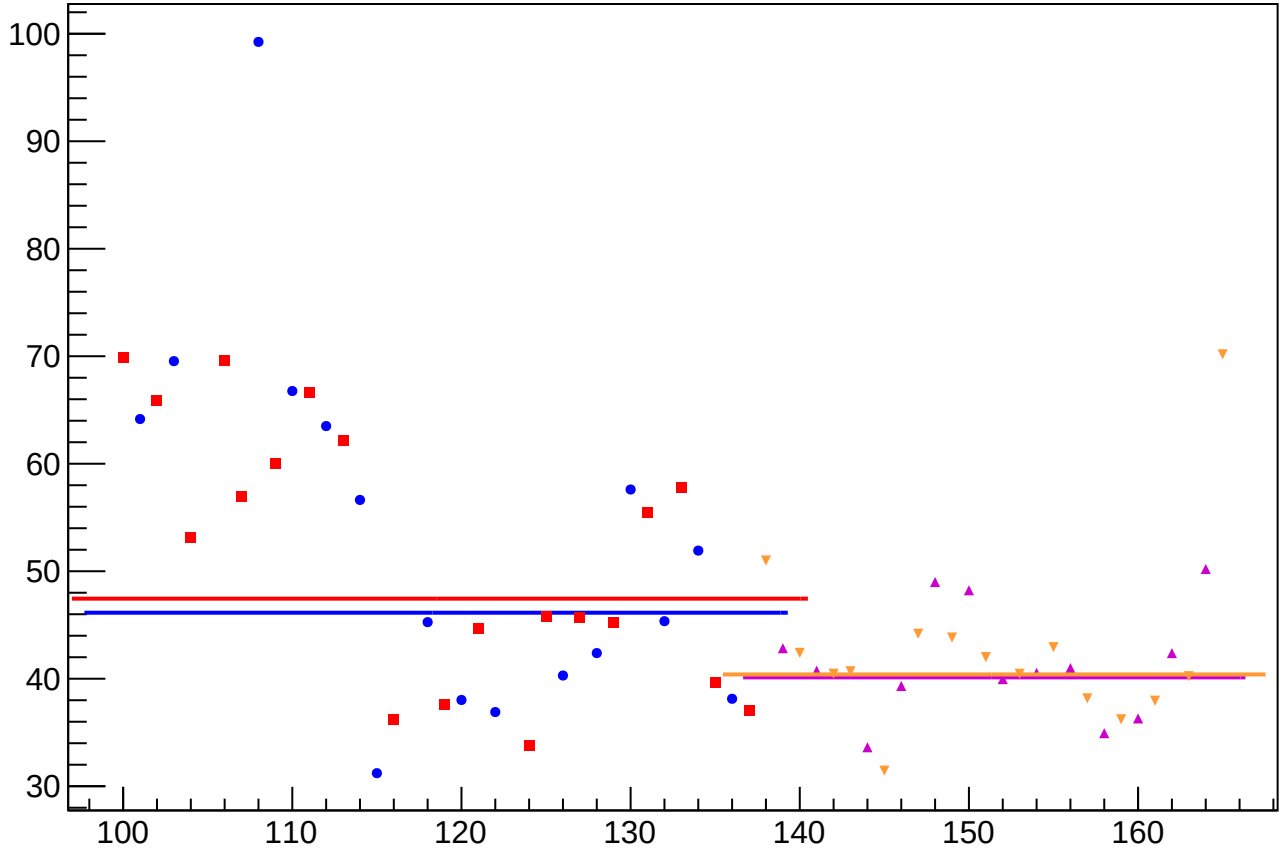
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.010 χ^2/NDF:32.1/28

Out: 0.002+/-0.010 χ^2/NDF:33.6/33

All: -0.005+/-0.007 χ^2/NDF: 66.6/62

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.398+/-0.009 χ^2/NDF:474367.5/14

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

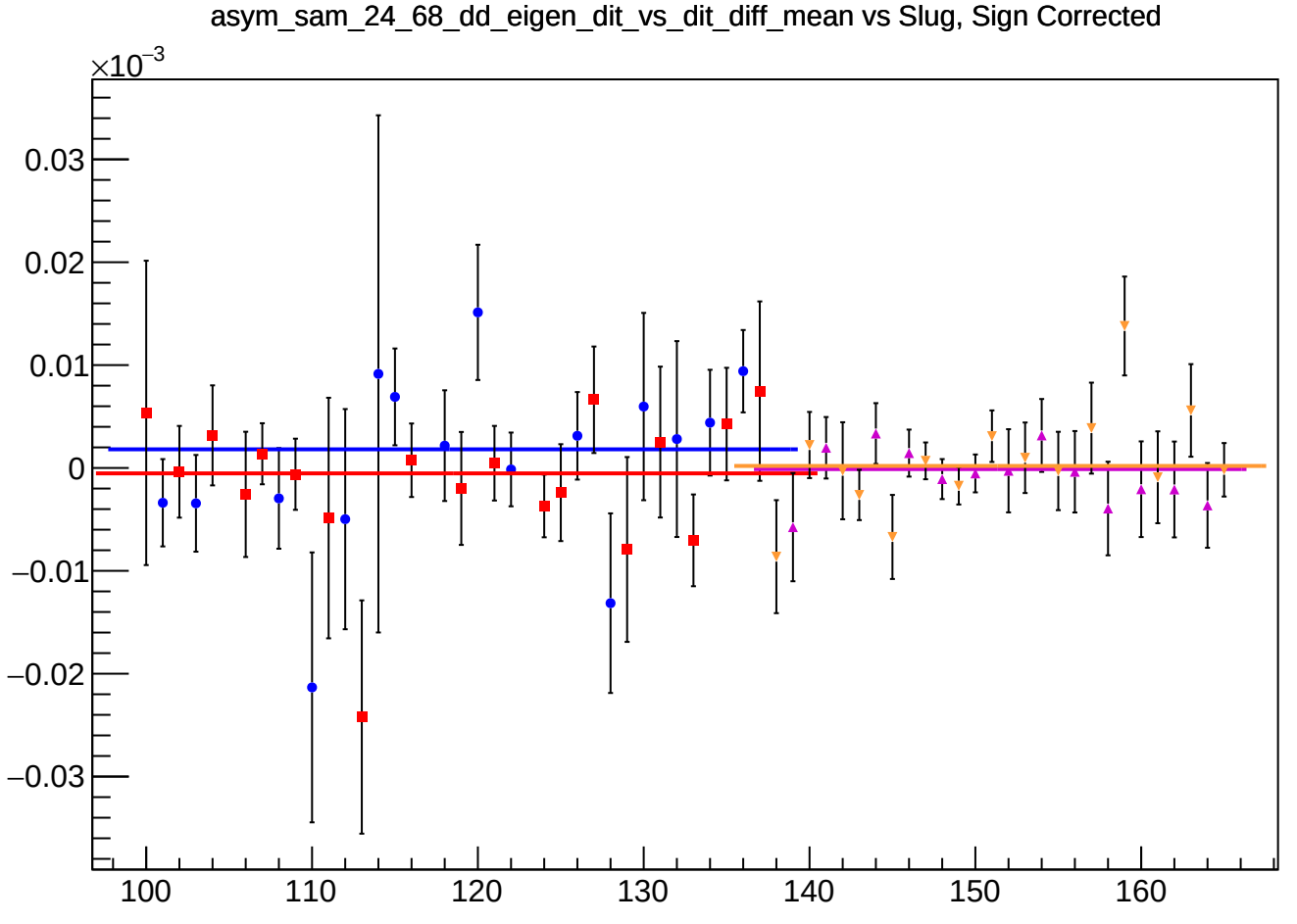
Left: 40.266+/-0.006 χ^2/NDF: 757630.9/27

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.069+/-0.007 χ^2/NDF:1337406.2/28

Out: 42.564+/-0.007 χ^2/NDF:1339575.9/33

All: 42.321+/-0.005 χ^2/NDF: 2679364.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/12

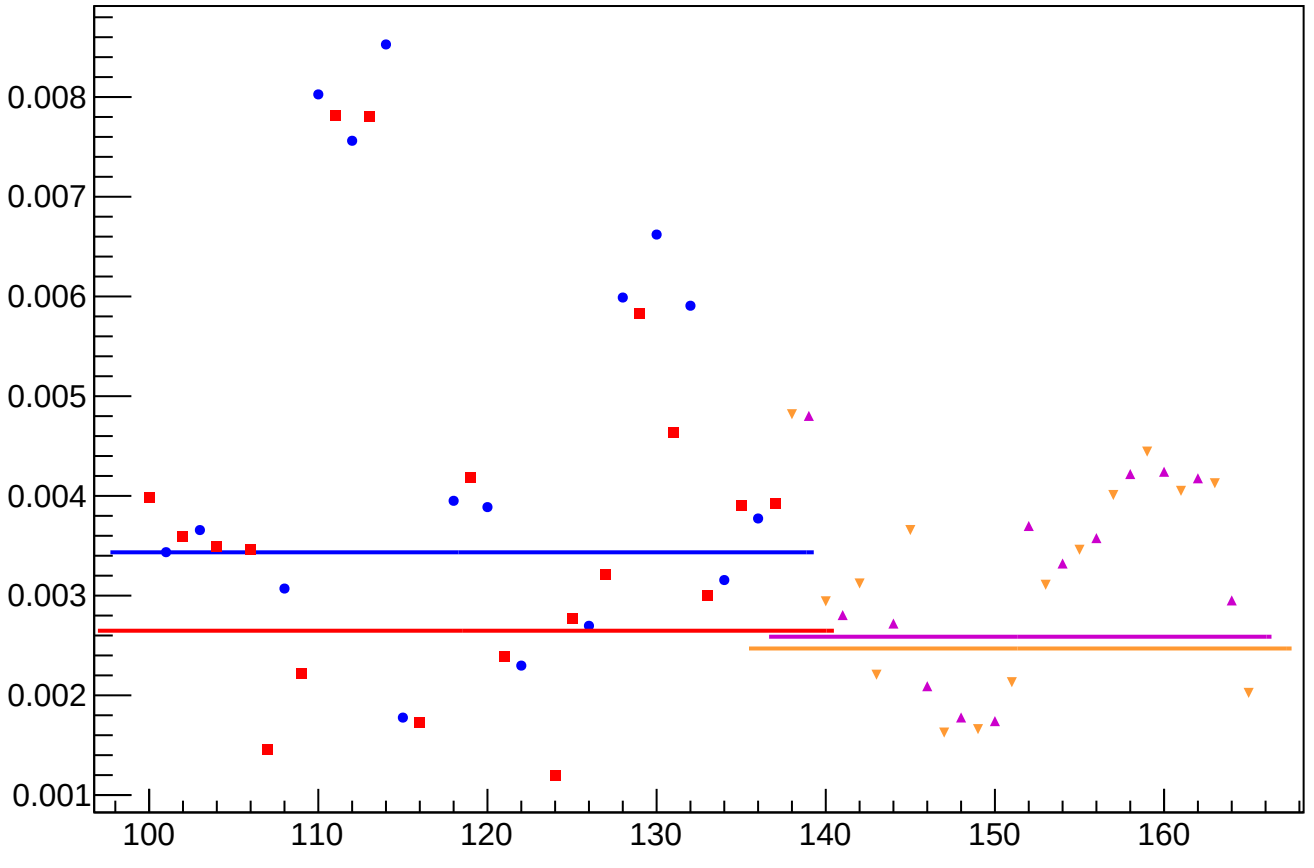
Left: 0.000+/-0.000 χ^2/NDF: 26.5/27

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:27.8/28

Out: -0.000+/-0.000 χ^2/NDF:34.1/33

All: 0.000+/-0.000 χ^2/NDF: 62.1/62



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2880914.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2353283.5/12

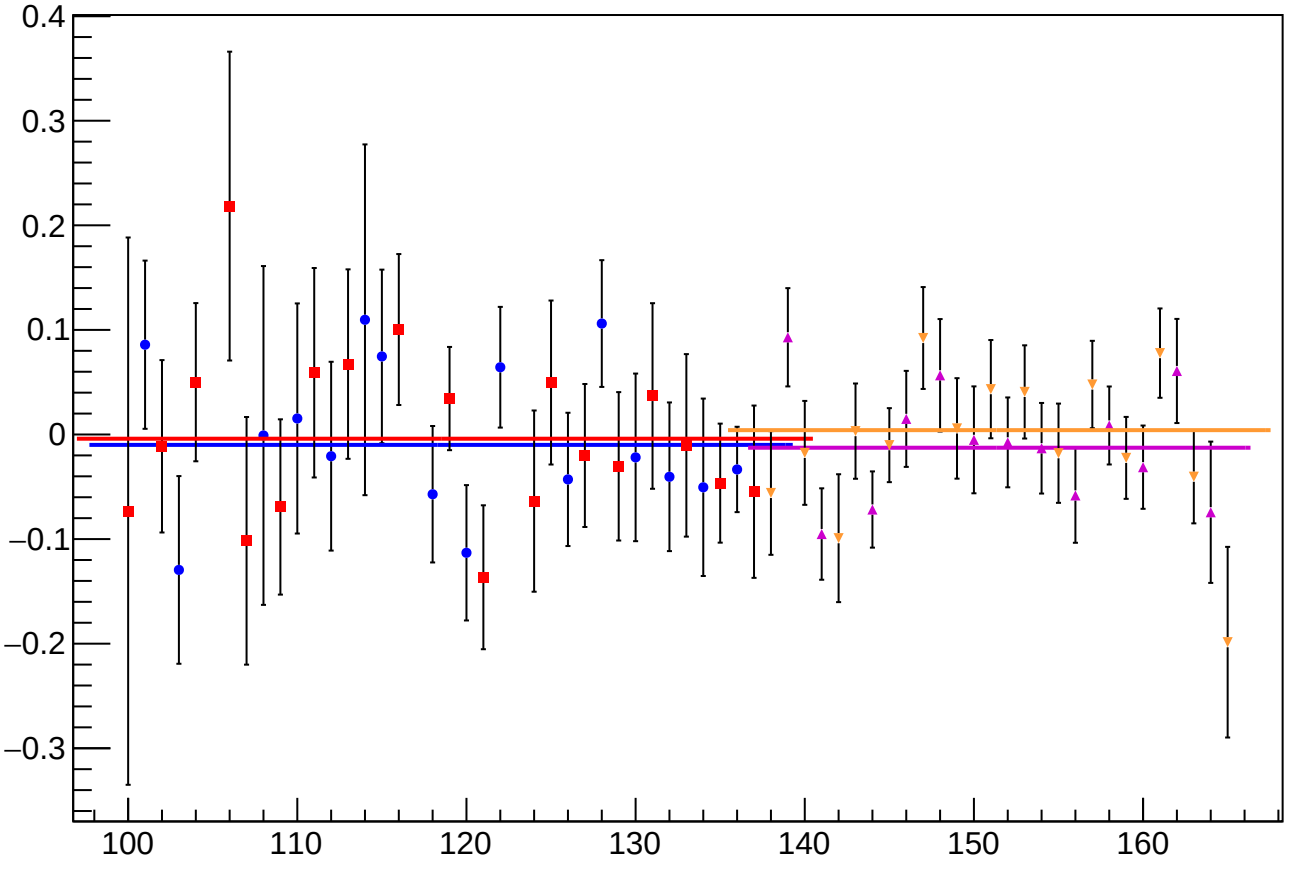
Left: 0.003+/-0.000 χ^2/NDF: 5255580.1/27

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4655493.3/28

Out: 0.003+/-0.000 χ^2/NDF:5613358.0/33

All: 0.003+/-0.000 χ^2/NDF: 10452197.6/62



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.012 χ^2/NDF:17.9/12

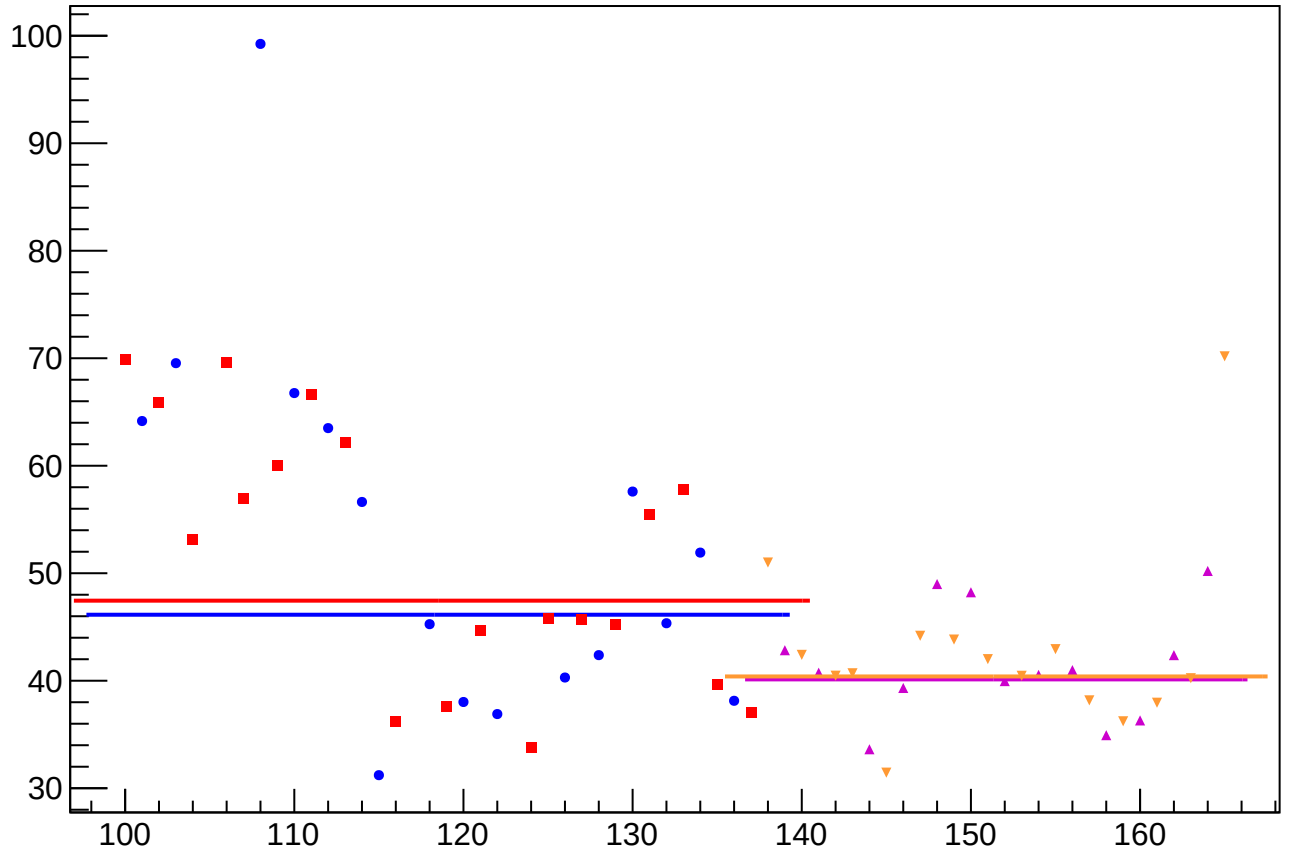
Left: -0.004+/-0.009 χ^2/NDF: 38.4/27

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.010 χ^2/NDF:32.1/28

Out: 0.002+/-0.010 χ^2/NDF:33.6/33

All: -0.005+/-0.007 χ^2/NDF: 66.6/62



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.398+/-0.009 χ^2/NDF:474381.4/14

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

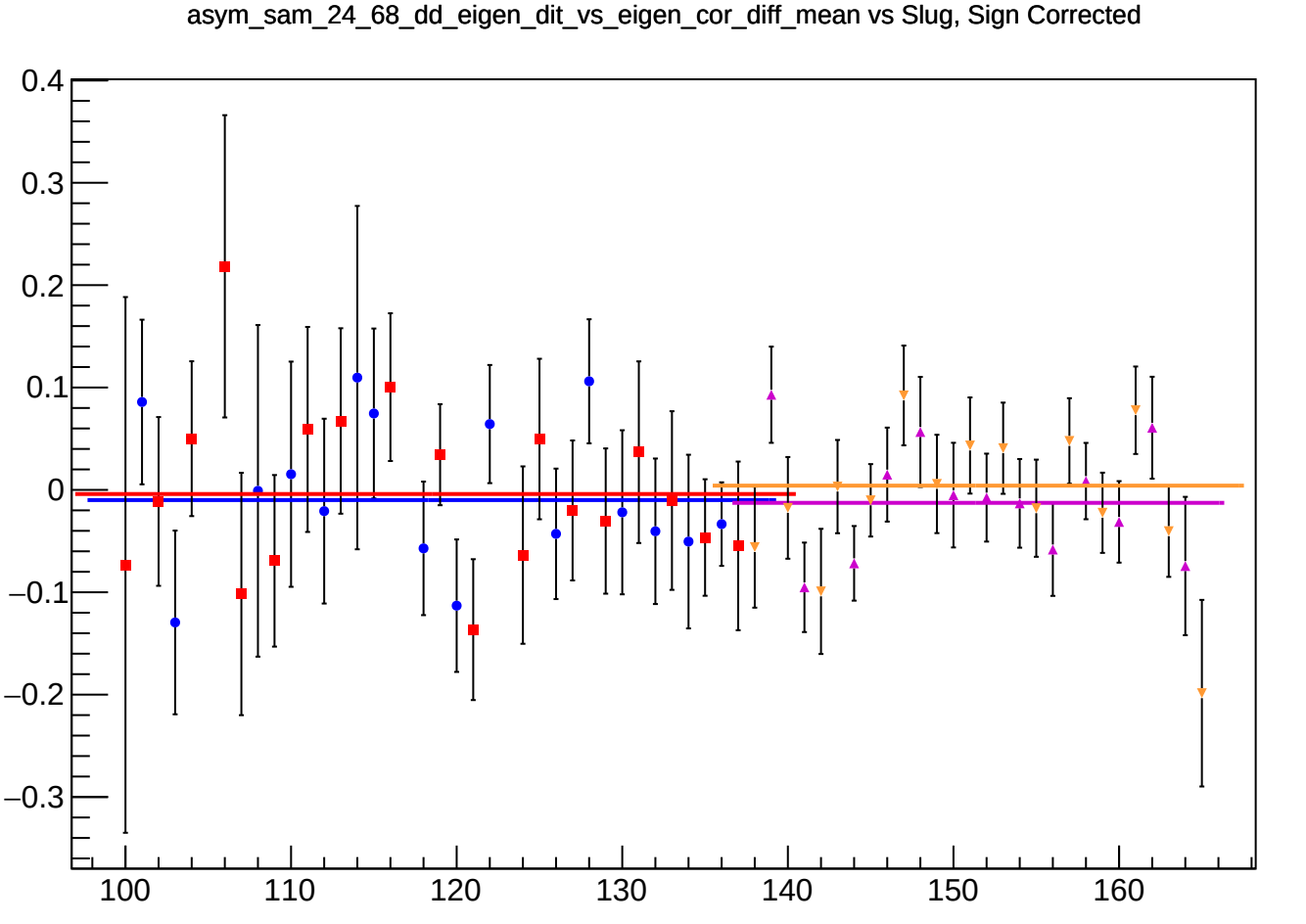
Left: 40.266+/-0.006 χ^2/NDF: 757692.3/27

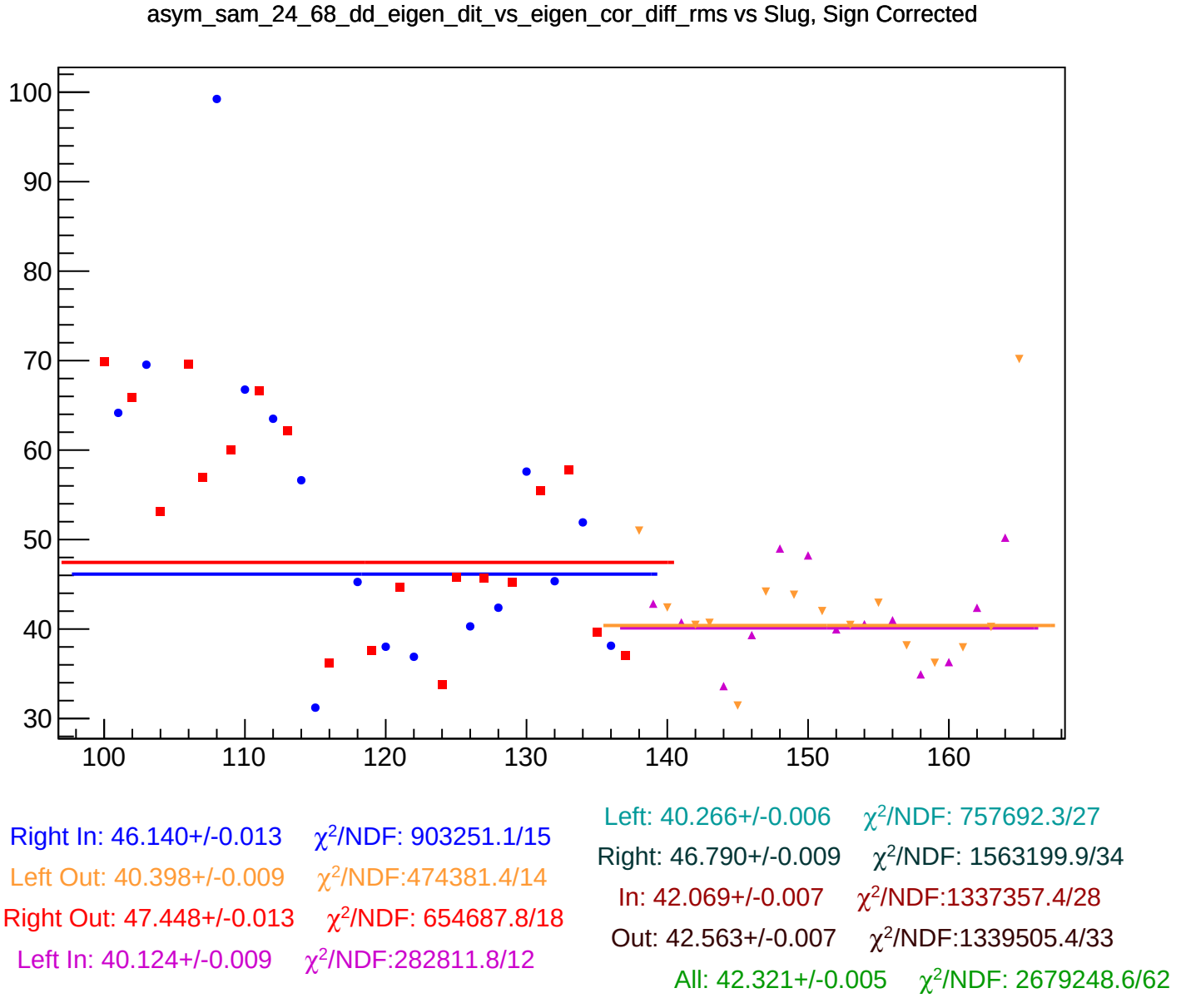
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

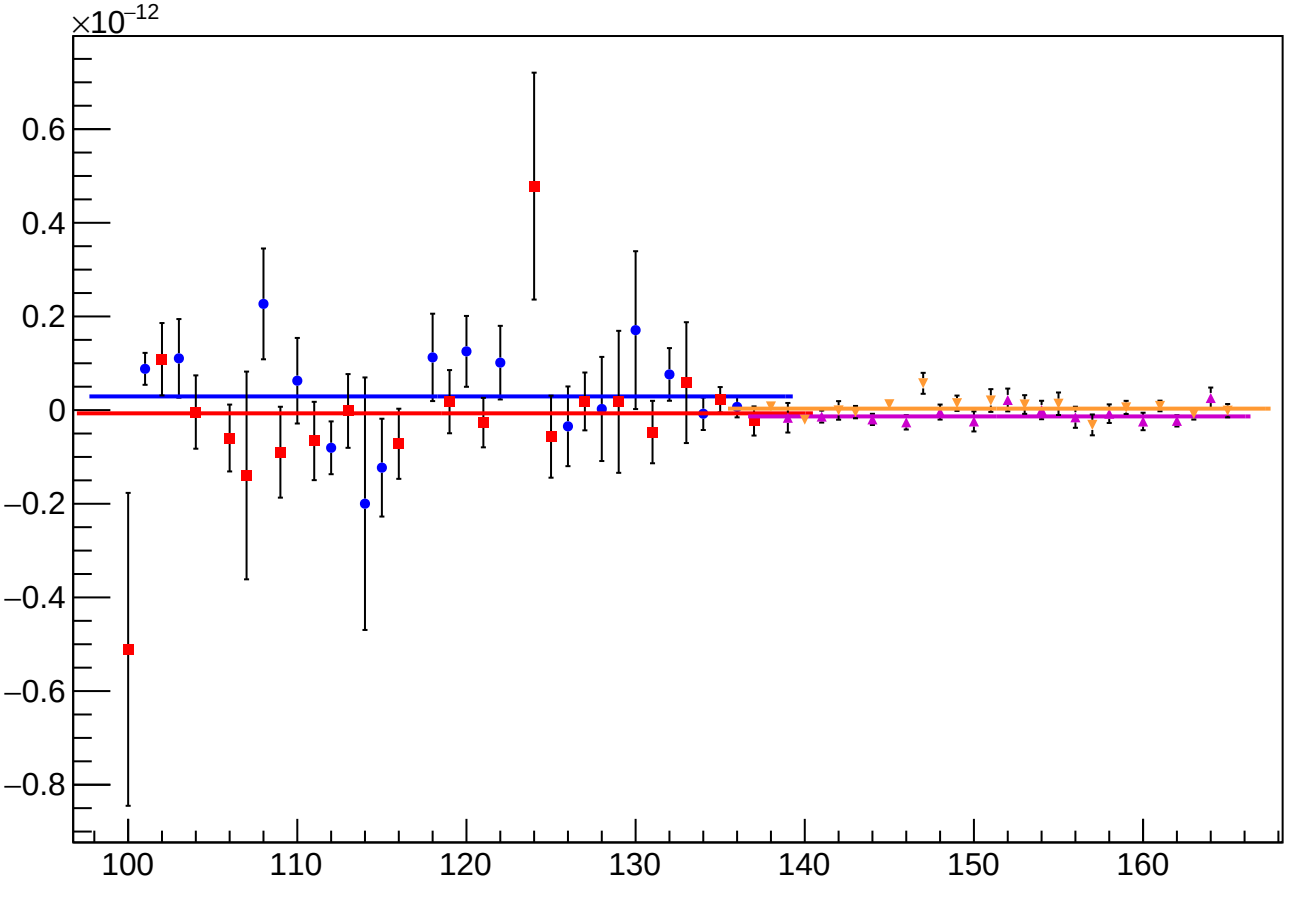
In: 42.069+/-0.007 χ^2/NDF:1337357.4/28

Out: 42.563+/-0.007 χ^2/NDF:1339505.4/33

All: 42.321+/-0.005 χ^2/NDF: 2679248.6/62


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
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.004+/-0.012 χ²/NDF:19.6/14
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: -0.013+/-0.012 χ²/NDF:17.9/12
Left: -0.004+/-0.009 χ²/NDF: 38.4/27
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.012+/-0.010 χ²/NDF:32.1/28
Out: 0.002+/-0.010 χ²/NDF:33.6/33
All: -0.005+/-0.007 χ²/NDF: 66.6/62


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
Right In: 46.140+/-0.013 χ²/NDF: 903251.1/15
Left Out: 40.398+/-0.009 χ²/NDF:474381.4/14
Right Out: 47.448+/-0.013 χ²/NDF: 654687.8/18
Left In: 40.124+/-0.009 χ²/NDF:282811.8/12
Left: 40.266+/-0.006 χ²/NDF: 757692.3/27
Right: 46.790+/-0.009 χ²/NDF: 1563199.9/34
In: 42.069+/-0.007 χ²/NDF:1337357.4/28
Out: 42.563+/-0.007 χ²/NDF:1339505.4/33
All: 42.321+/-0.005 χ²/NDF: 2679248.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/12

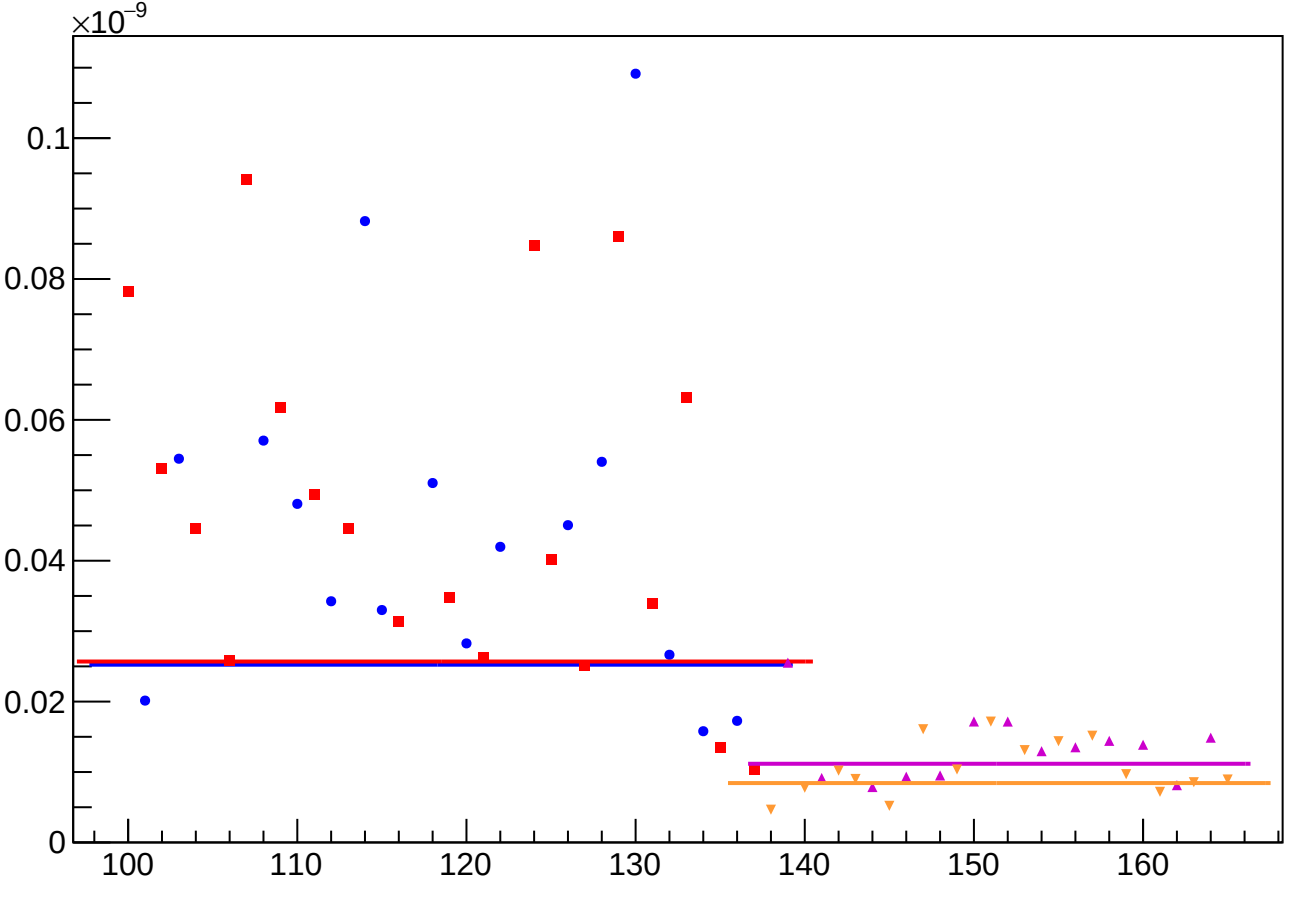
Left: -0.000+/-0.000 χ^2/NDF: 33.4/27

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:38.1/28

Out: 0.000+/-0.000 χ^2/NDF:32.0/33

All: -0.000+/-0.000 χ^2/NDF: 74.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1530939.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1259511.9/12

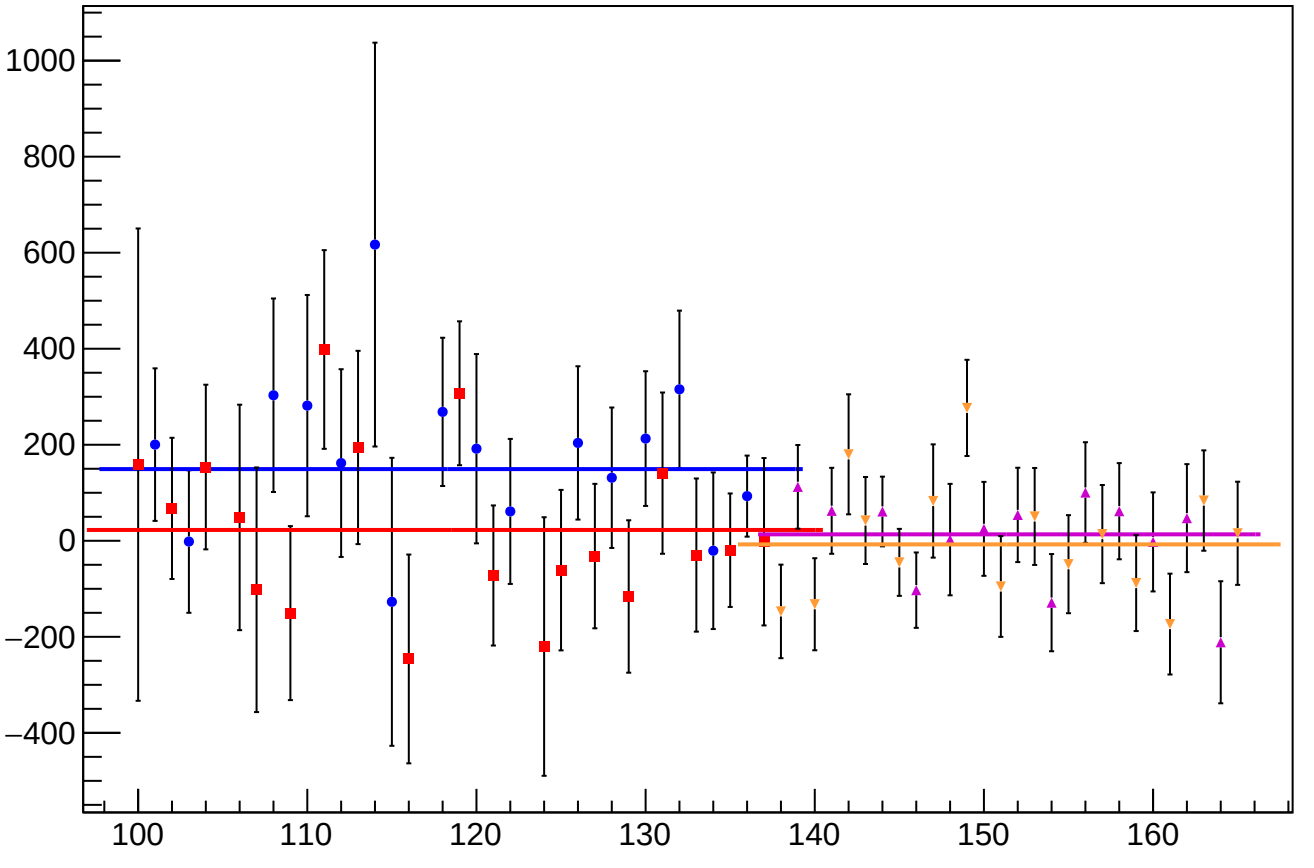
Left: 0.000+/-0.000 χ^2/NDF: 3215128.5/27

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5308317.0/28

Out: 0.000+/-0.000 χ^2/NDF:7044357.7/33

All: 0.000+/-0.000 χ^2/NDF: 13005564.5/62



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.487+/-25.595 χ^2/NDF:20.4/14

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 13.416+/-26.592 χ^2/NDF:10.5/12

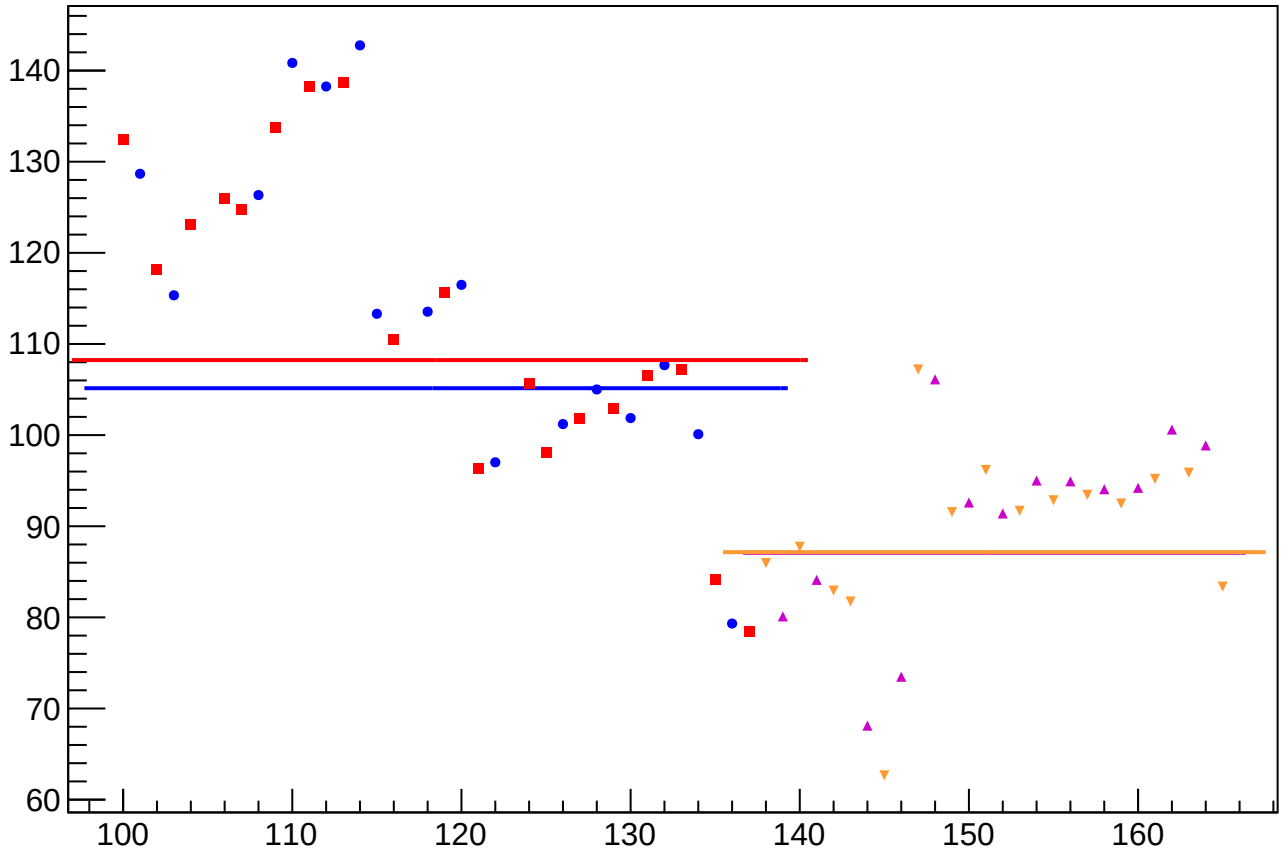
Left: 2.565+/-18.441 χ^2/NDF: 31.3/27

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 55.521+/-22.091 χ^2/NDF:26.7/28

Out: 1.207+/-21.575 χ^2/NDF:35.0/33

All: 27.721+/-15.435 χ^2/NDF: 64.8/62



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

Left: 87.120+/-0.013 χ^2/NDF: 748548.4/27

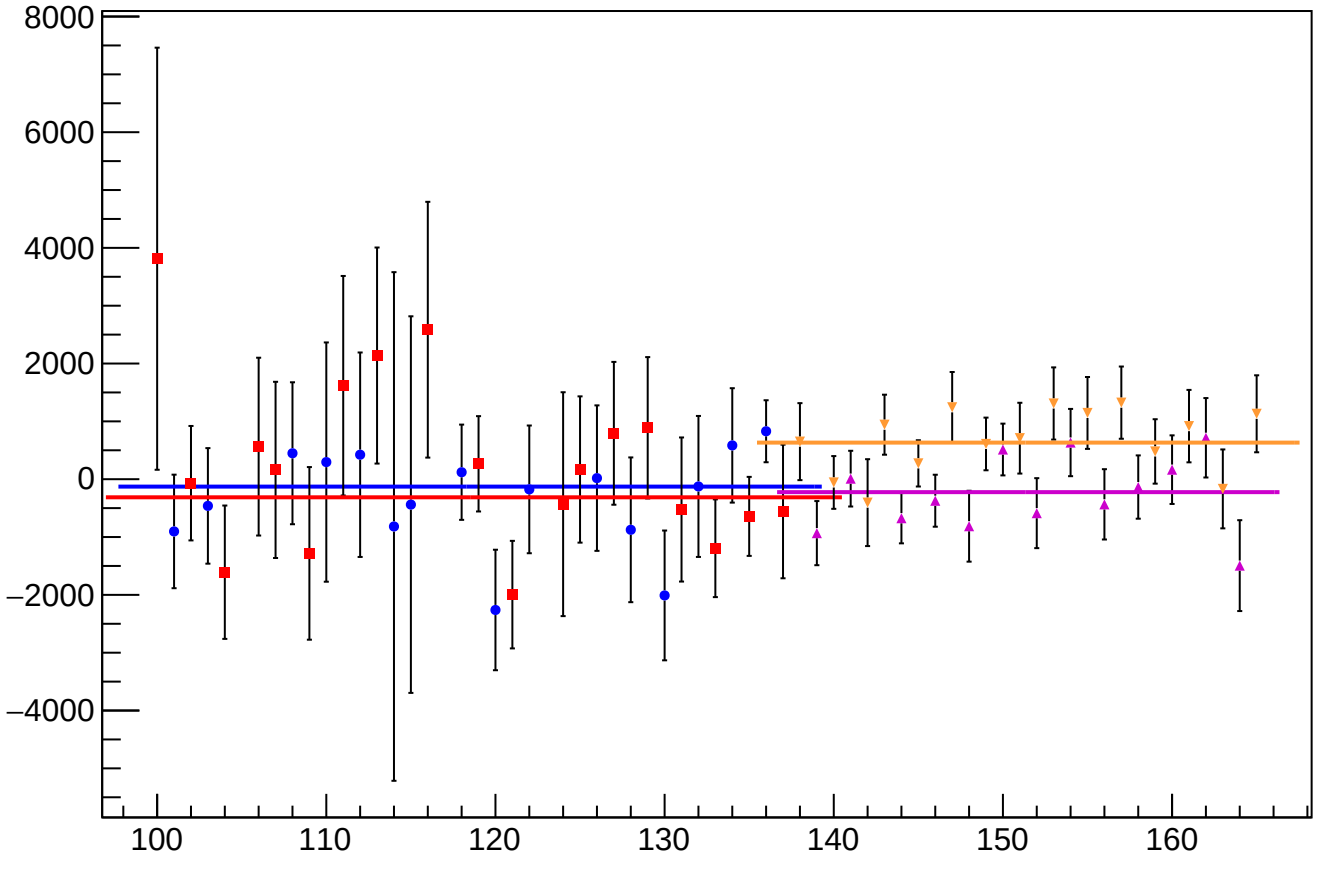
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.679+/-0.016 χ^2/NDF:1058617.7/28

Out: 93.257+/-0.015 χ^2/NDF:1126814.8/33

All: 92.975+/-0.011 χ^2/NDF: 2186132.7/62

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -223.766+/-151.147 χ^2/NDF:14.3/12

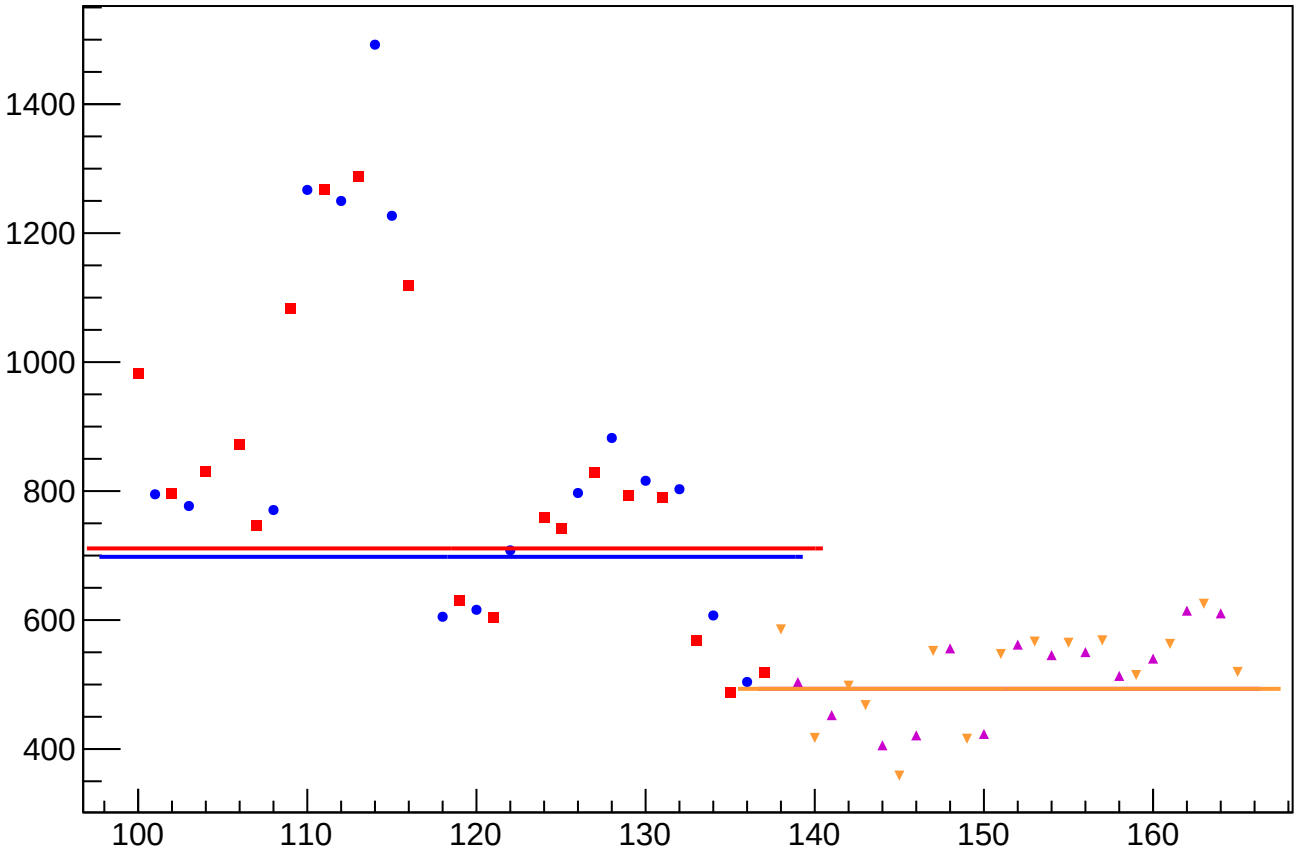
Left: 219.142+/-105.033 χ^2/NDF: 42.6/27

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -200.749+/-131.725 χ^2/NDF:26.7/28

Out: 418.790+/-128.482 χ^2/NDF:36.2/33

All: 116.740+/-91.976 χ^2/NDF: 74.2/62



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.4/14

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 493.343+/-0.107 χ^2/NDF:398769.8/12

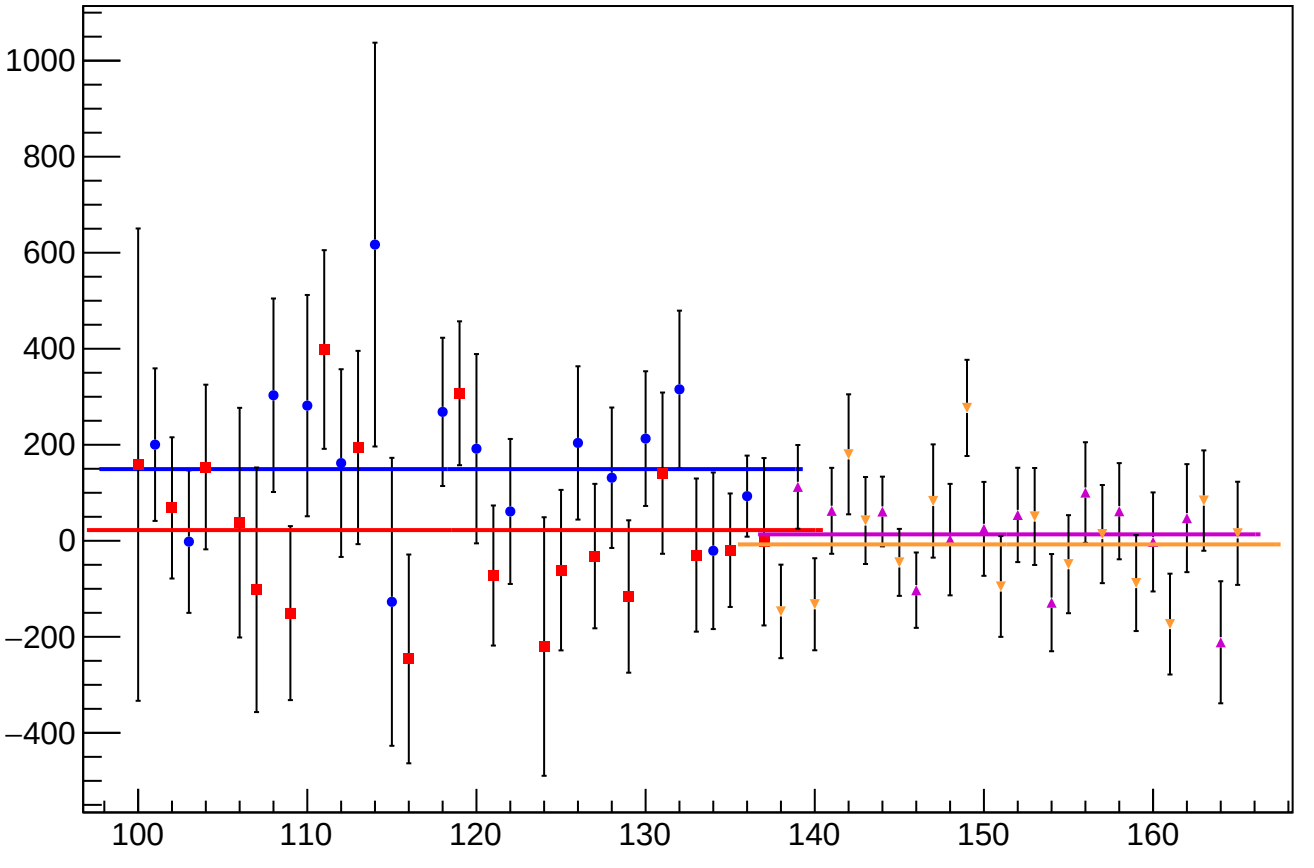
Left: 493.344+/-0.074 χ^2/NDF: 1004426.2/27

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 542.573+/-0.093 χ^2/NDF:2193896.7/28

Out: 542.604+/-0.091 χ^2/NDF:2646272.2/33

All: 542.589+/-0.065 χ^2/NDF: 4840169.0/62



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.489+/-25.595 χ^2/NDF:20.4/14

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 13.416+/-26.592 χ^2/NDF:10.5/12

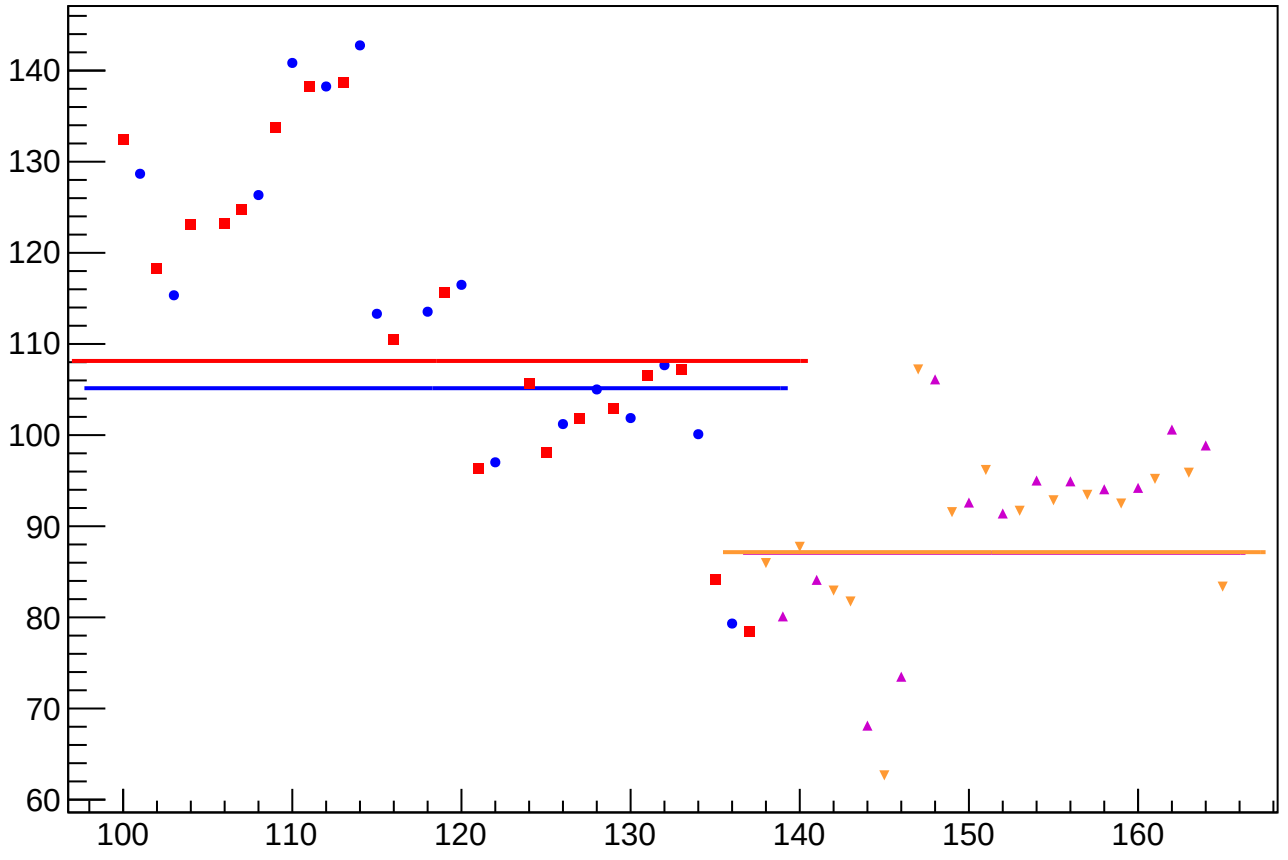
Left: 2.564+/-18.441 χ^2/NDF: 31.3/27

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.518+/-22.091 χ^2/NDF:26.7/28

Out: 1.126+/-21.578 χ^2/NDF:35.0/33

All: 27.682+/-15.436 χ^2/NDF: 64.8/62



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

Left: 87.120+/-0.013 χ^2/NDF: 748548.5/27

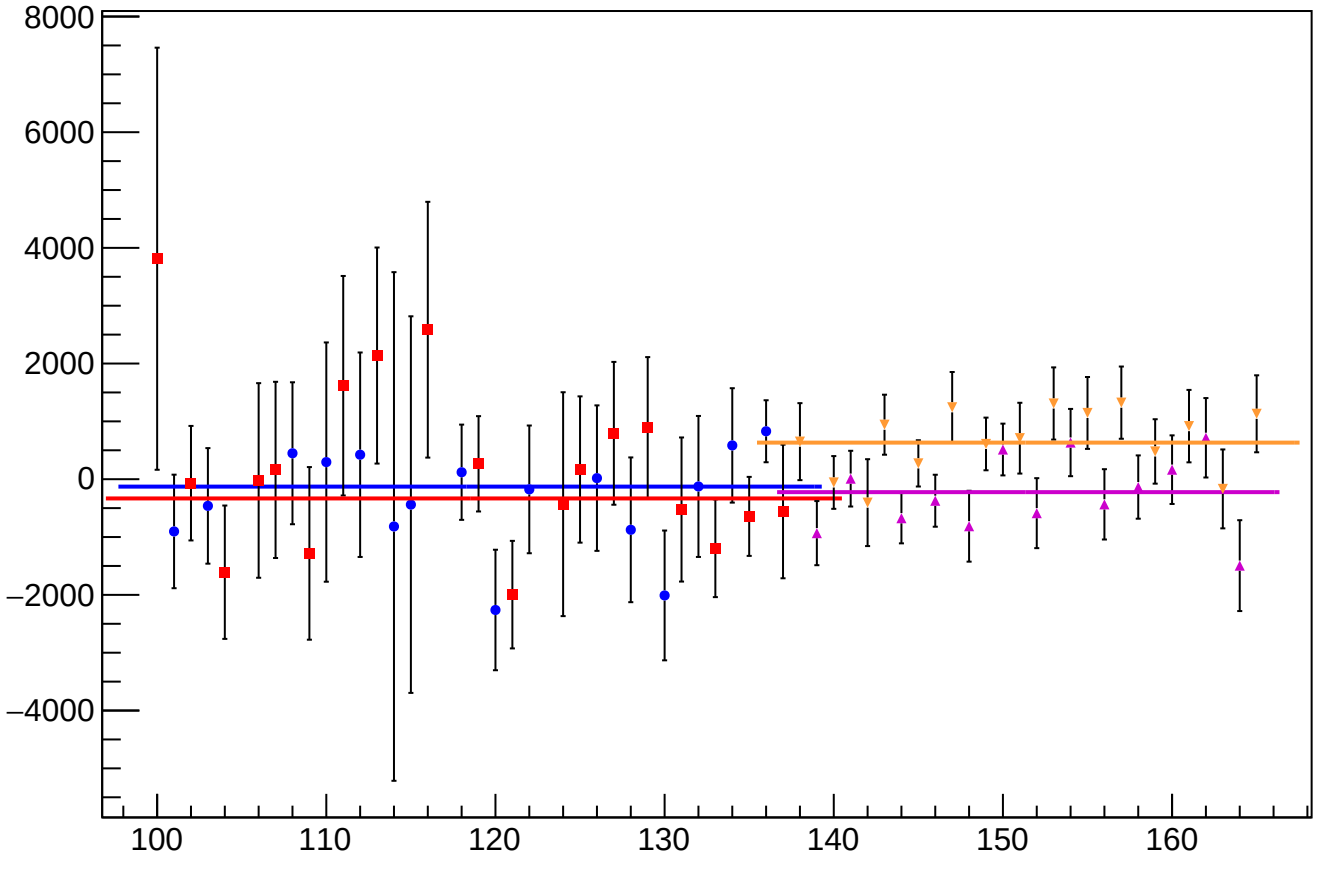
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.679+/-0.016 χ^2/NDF:1058618.1/28

Out: 93.224+/-0.015 χ^2/NDF:1119313.7/33

All: 92.958+/-0.011 χ^2/NDF: 2178555.0/62

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: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -223.764+/-151.147 χ^2/NDF:14.3/12

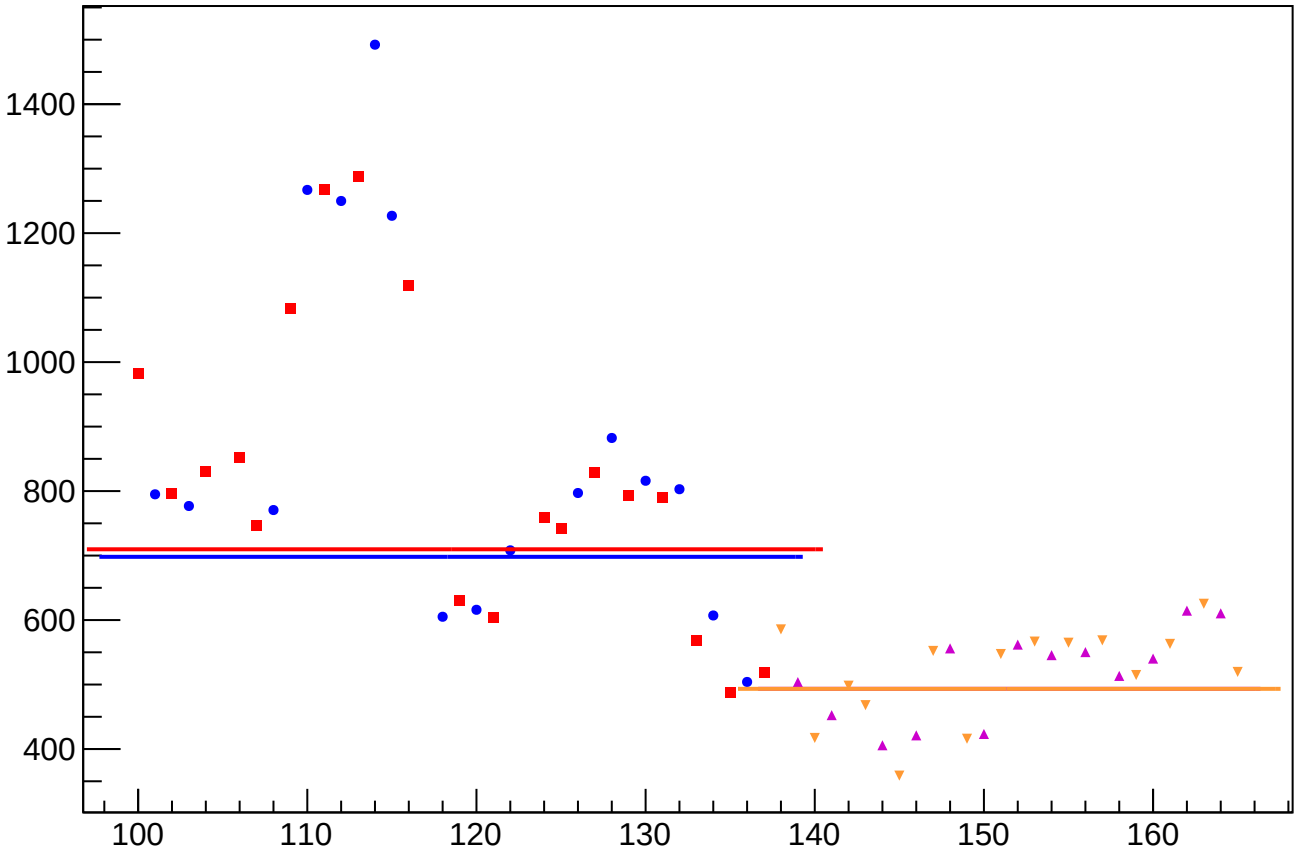
Left: 219.143+/-105.033 χ^2/NDF: 42.6/27

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -200.746+/-131.725 χ^2/NDF:26.7/28

Out: 415.227+/-128.558 χ^2/NDF:36.2/33

All: 114.734+/-92.003 χ^2/NDF: 74.1/62



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.6/14

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

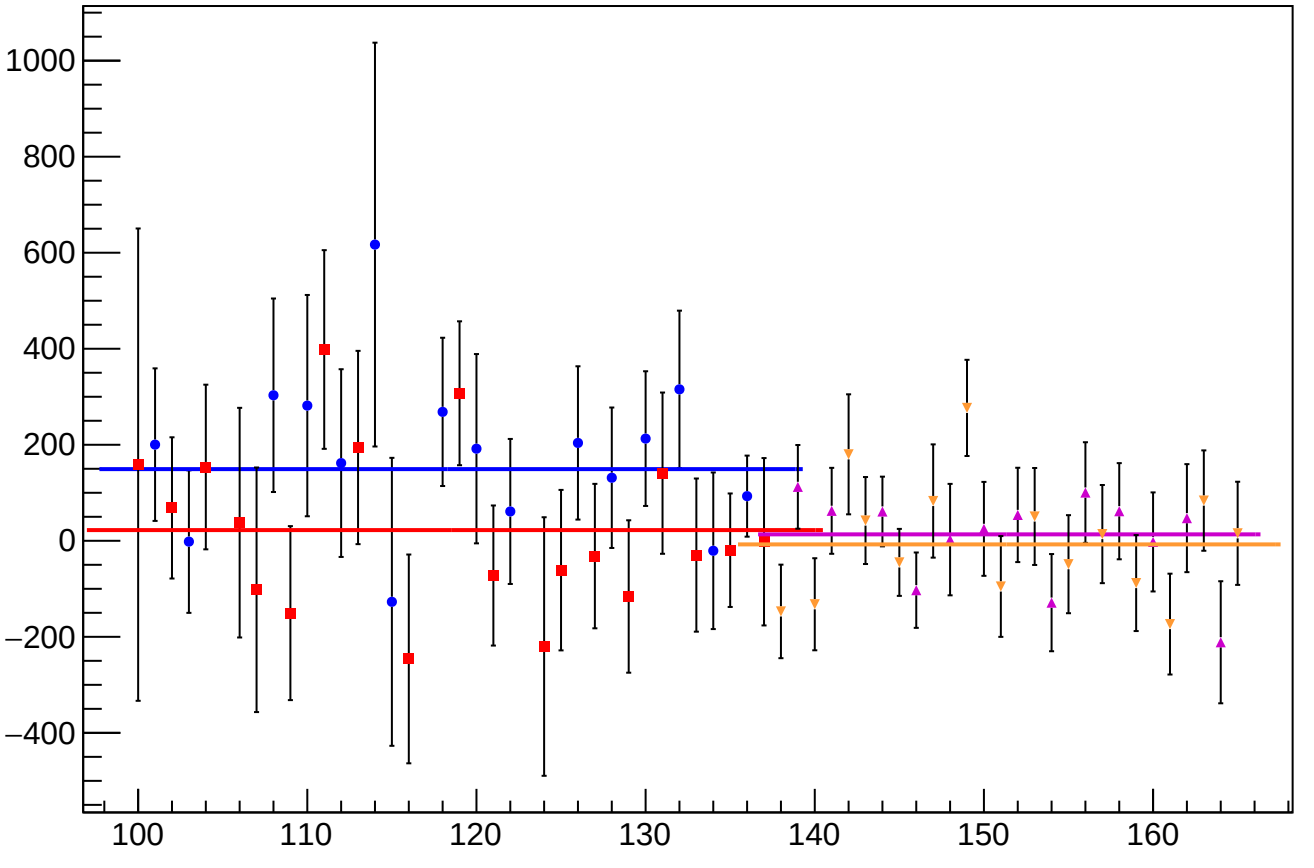
Left: 493.345+/-0.074 χ^2/NDF: 1004426.5/27

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 542.573+/-0.093 χ^2/NDF:2193908.7/28

Out: 542.104+/-0.091 χ^2/NDF:2621938.7/33

All: 542.333+/-0.065 χ^2/NDF: 4815860.4/62



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.489+/-25.595 χ^2/NDF:20.4/14

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 13.416+/-26.592 χ^2/NDF:10.5/12

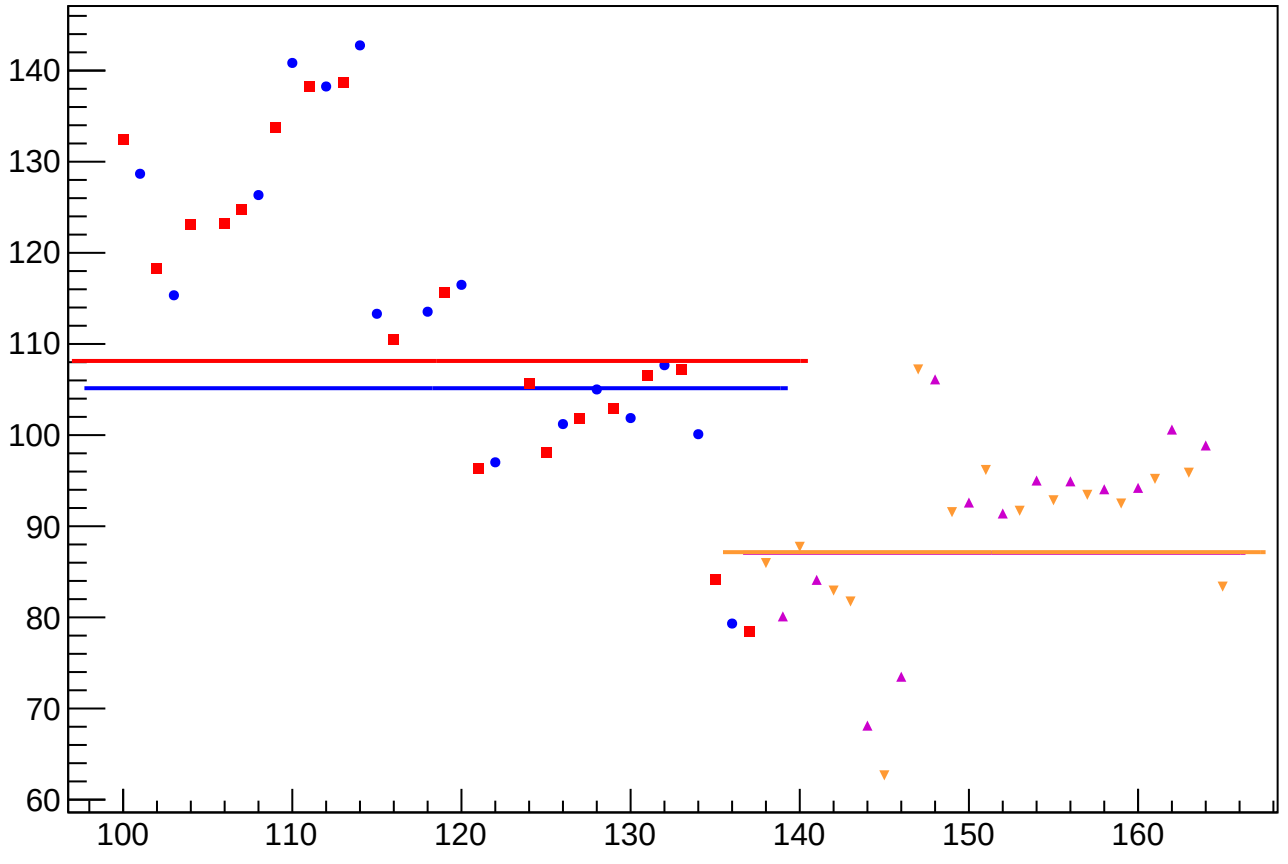
Left: 2.564+/-18.441 χ^2/NDF: 31.3/27

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.518+/-22.091 χ^2/NDF:26.7/28

Out: 1.126+/-21.578 χ^2/NDF:35.0/33

All: 27.682+/-15.436 χ^2/NDF: 64.8/62



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

Left: 87.120+/-0.013 χ^2/NDF: 748548.5/27

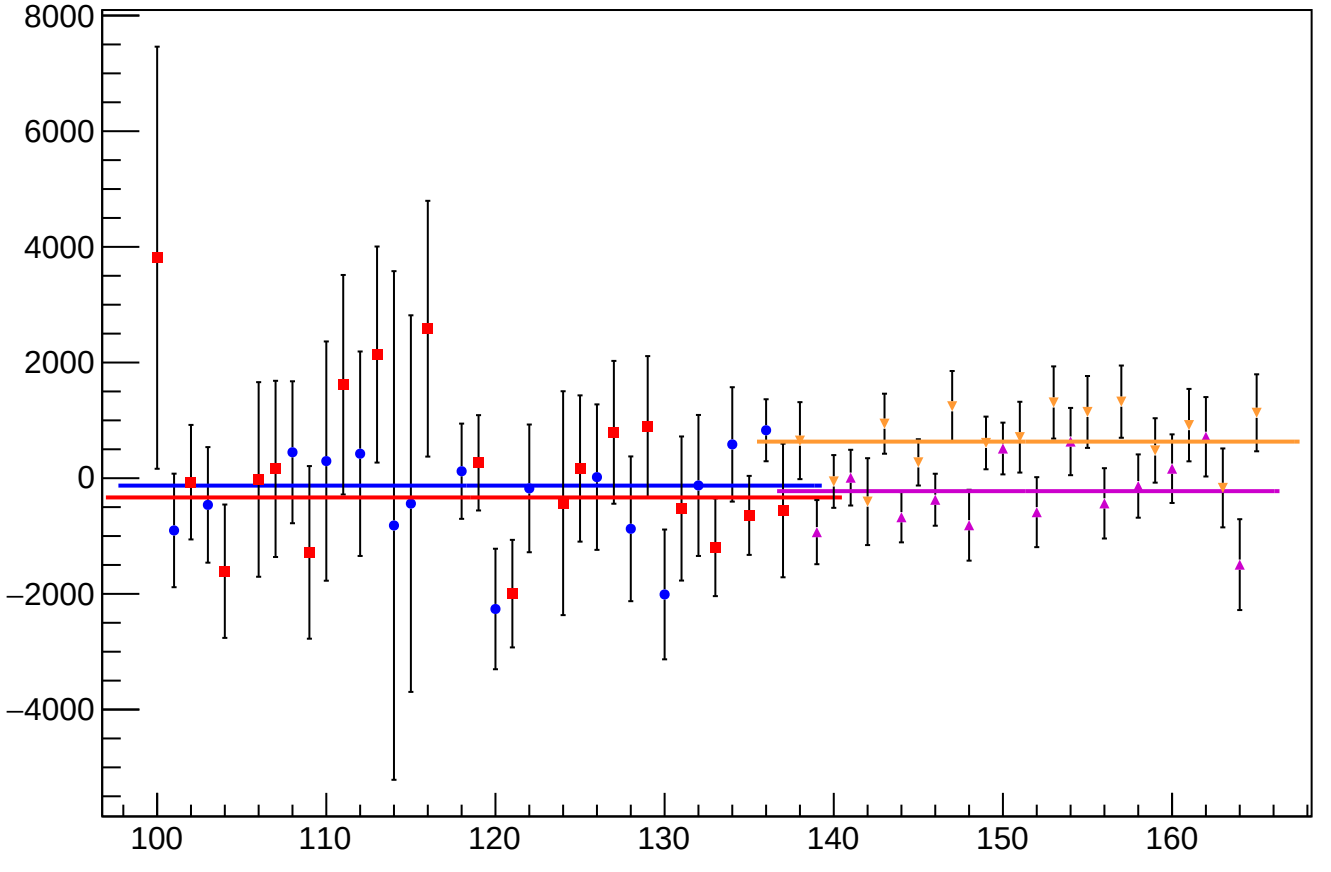
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.679+/-0.016 χ^2/NDF:1058618.1/28

Out: 93.224+/-0.015 χ^2/NDF:1119313.7/33

All: 92.958+/-0.011 χ^2/NDF: 2178555.0/62

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: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -223.764+/-151.147 χ^2/NDF:14.3/12

Left: 219.143+/-105.033 χ^2/NDF: 42.6/27

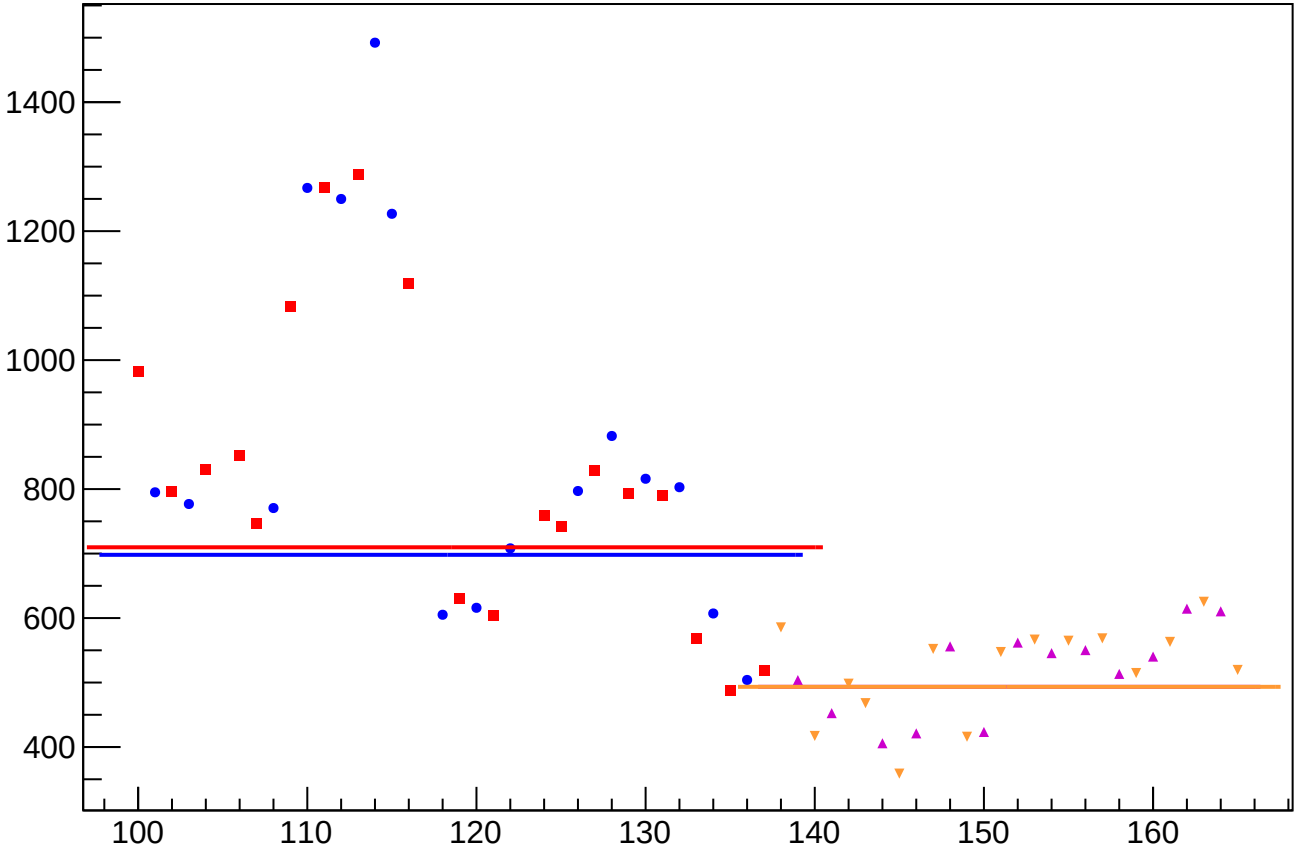
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -200.746+/-131.725 χ^2/NDF:26.7/28

Out: 415.227+/-128.558 χ^2/NDF:36.2/33

All: 114.734+/-92.003 χ^2/NDF: 74.1/62

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: 493.346+/-0.103 χ^2/NDF:605656.6/14

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

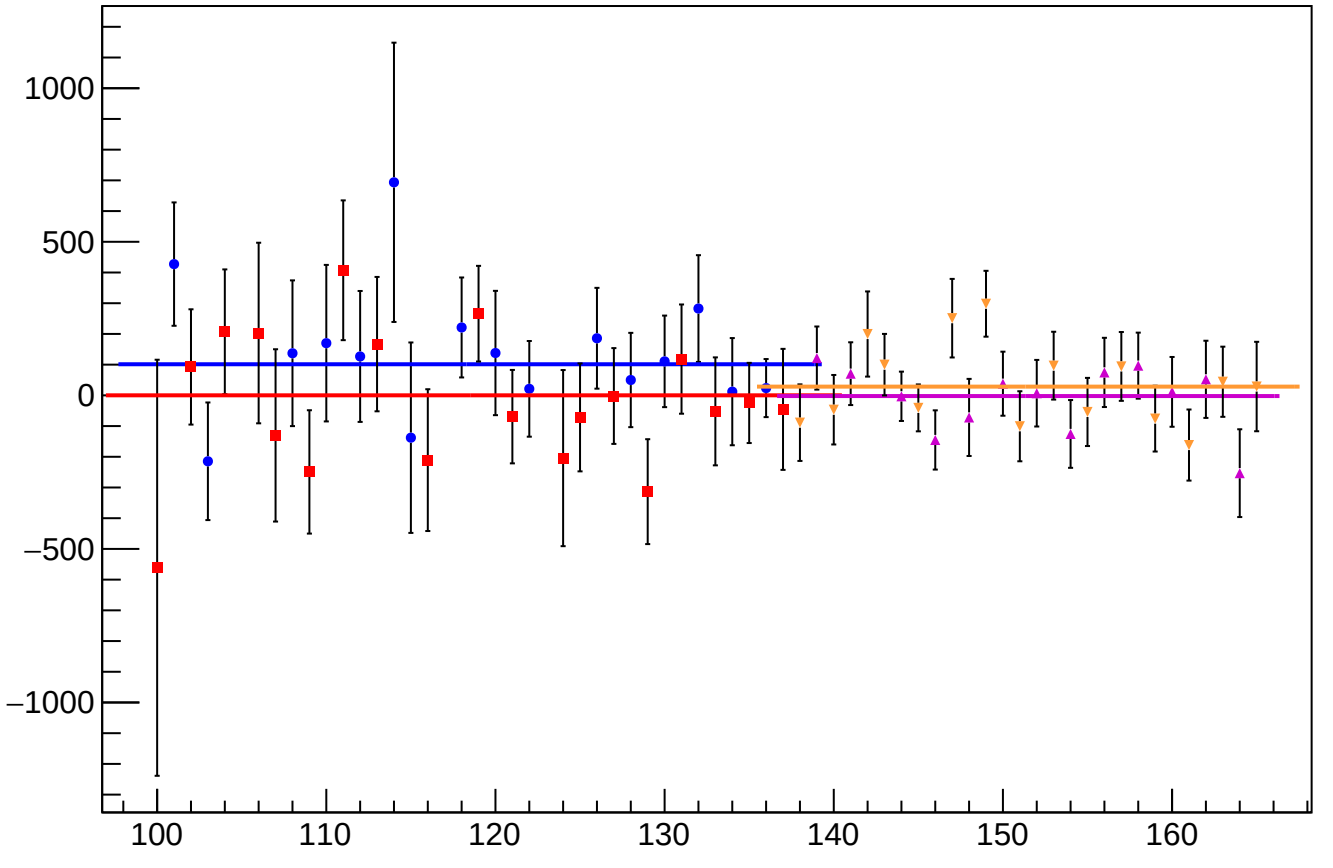
Left: 493.345+/-0.074 χ^2/NDF: 1004426.5/27

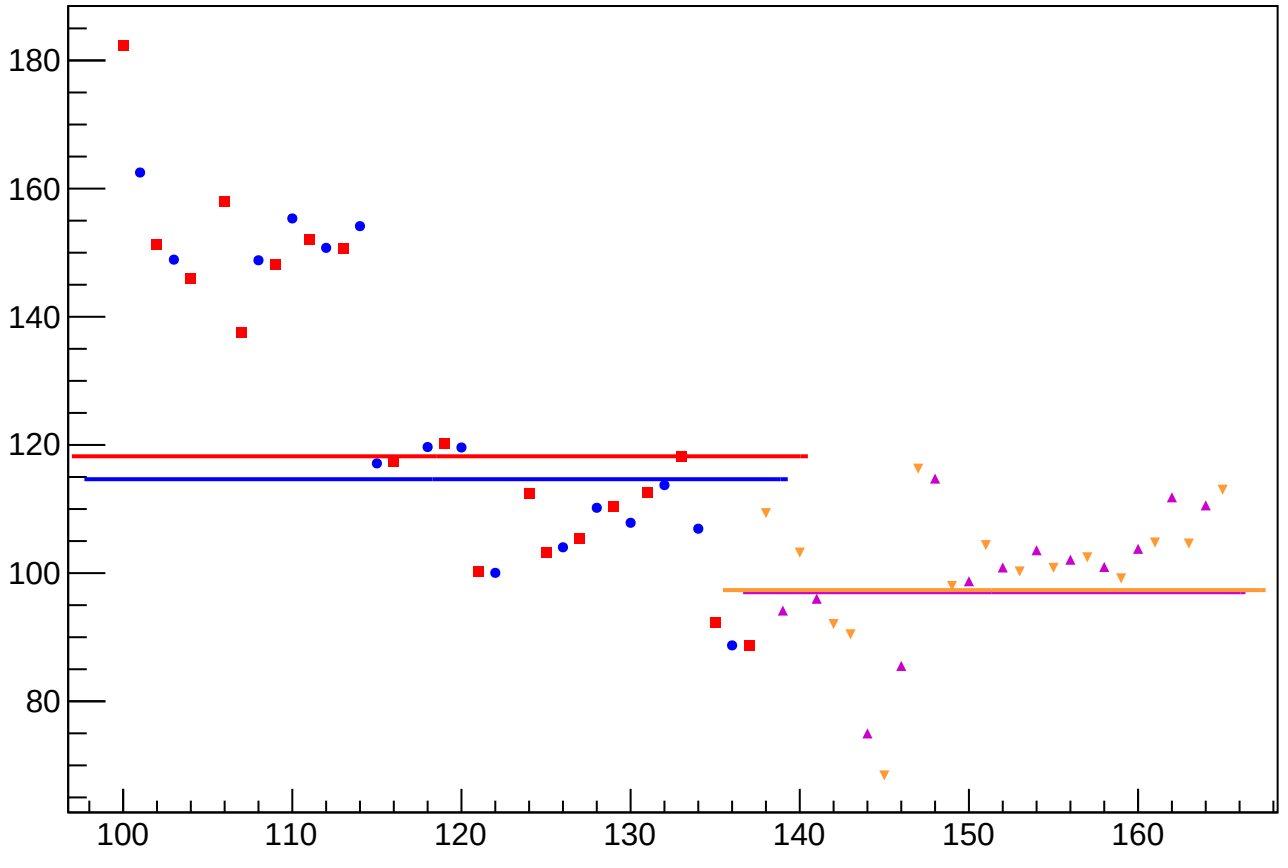
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 542.573+/-0.093 χ^2/NDF:2193908.7/28

Out: 542.104+/-0.091 χ^2/NDF:2621938.7/33

All: 542.333+/-0.065 χ^2/NDF: 4815860.4/62


dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: 101.281+/-43.510 χ²/NDF: 11.0/15
Left Out: 28.434+/-28.641 χ²/NDF:19.8/14
Right Out: 0.125+/-44.035 χ²/NDF: 16.6/18
Left In: -2.277+/-29.738 χ²/NDF:10.5/12
Left: 13.655+/-20.629 χ²/NDF: 30.8/27
Right: 51.310+/-30.950 χ²/NDF: 30.3/34
In: 30.696+/-24.551 χ²/NDF:25.3/28
Out: 20.018+/-24.009 χ²/NDF:36.7/33
All: 25.238+/-17.165 χ²/NDF: 62.1/62



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 97.350+/-0.020 χ^2/NDF:422082.6/14

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.1/12

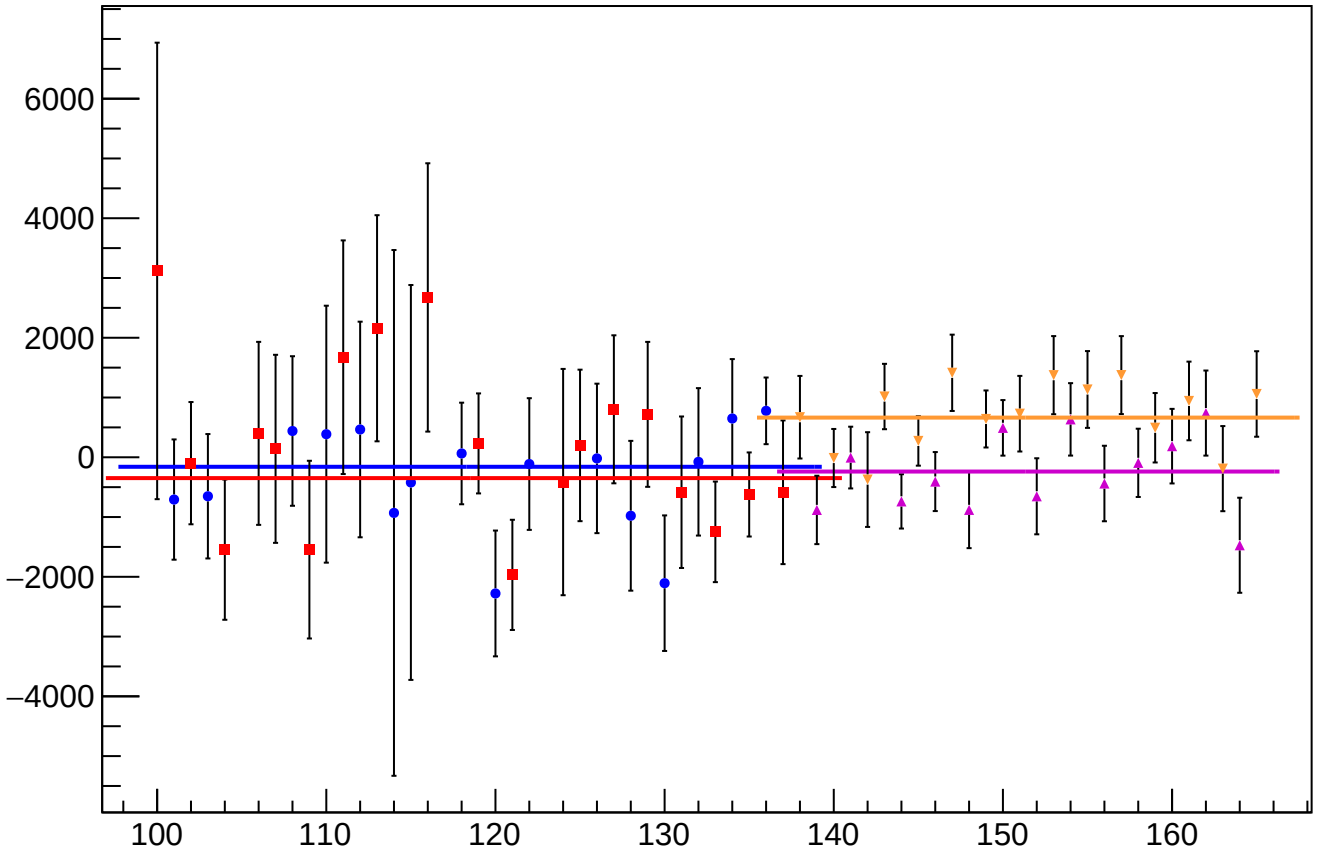
Left: 97.191+/-0.015 χ^2/NDF: 712603.7/27

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.635+/-0.017 χ^2/NDF:1046305.7/28

Out: 103.557+/-0.017 χ^2/NDF:1221494.7/33

All: 103.106+/-0.012 χ^2/NDF: 2269244.2/62



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 663.946+/-152.938 χ^2/NDF:11.3/14

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -238.792+/-158.691 χ^2/NDF:13.7/12

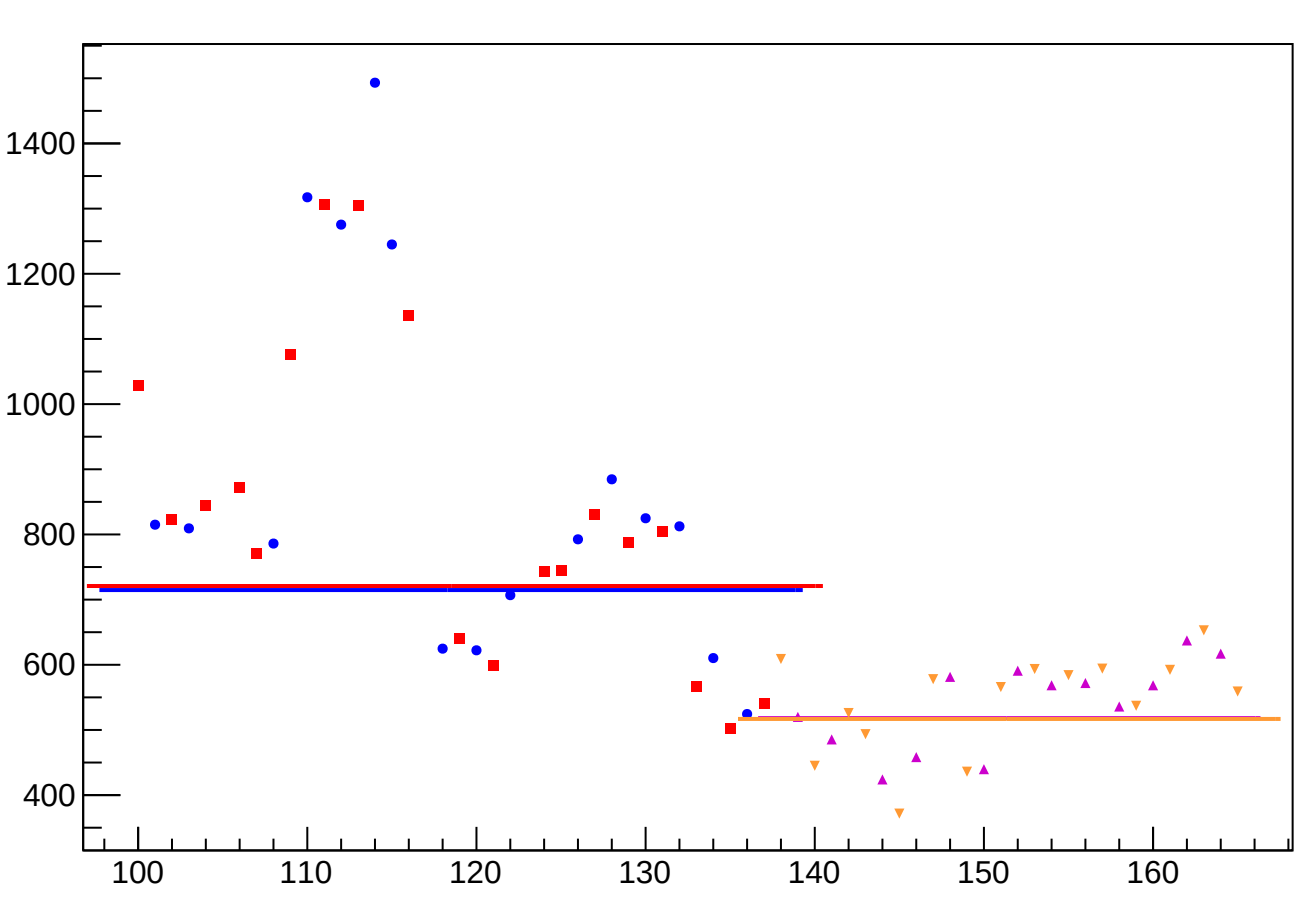
Left: 229.235+/-110.121 χ^2/NDF: 41.7/27

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -218.839+/-137.392 χ^2/NDF:25.7/28

Out: 422.895+/-133.497 χ^2/NDF:36.0/33

All: 111.255+/-95.744 χ^2/NDF: 72.9/62



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 516.912+/-0.108 χ^2/NDF:603154.3/14

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 518.209+/-0.112 χ^2/NDF:356155.8/12

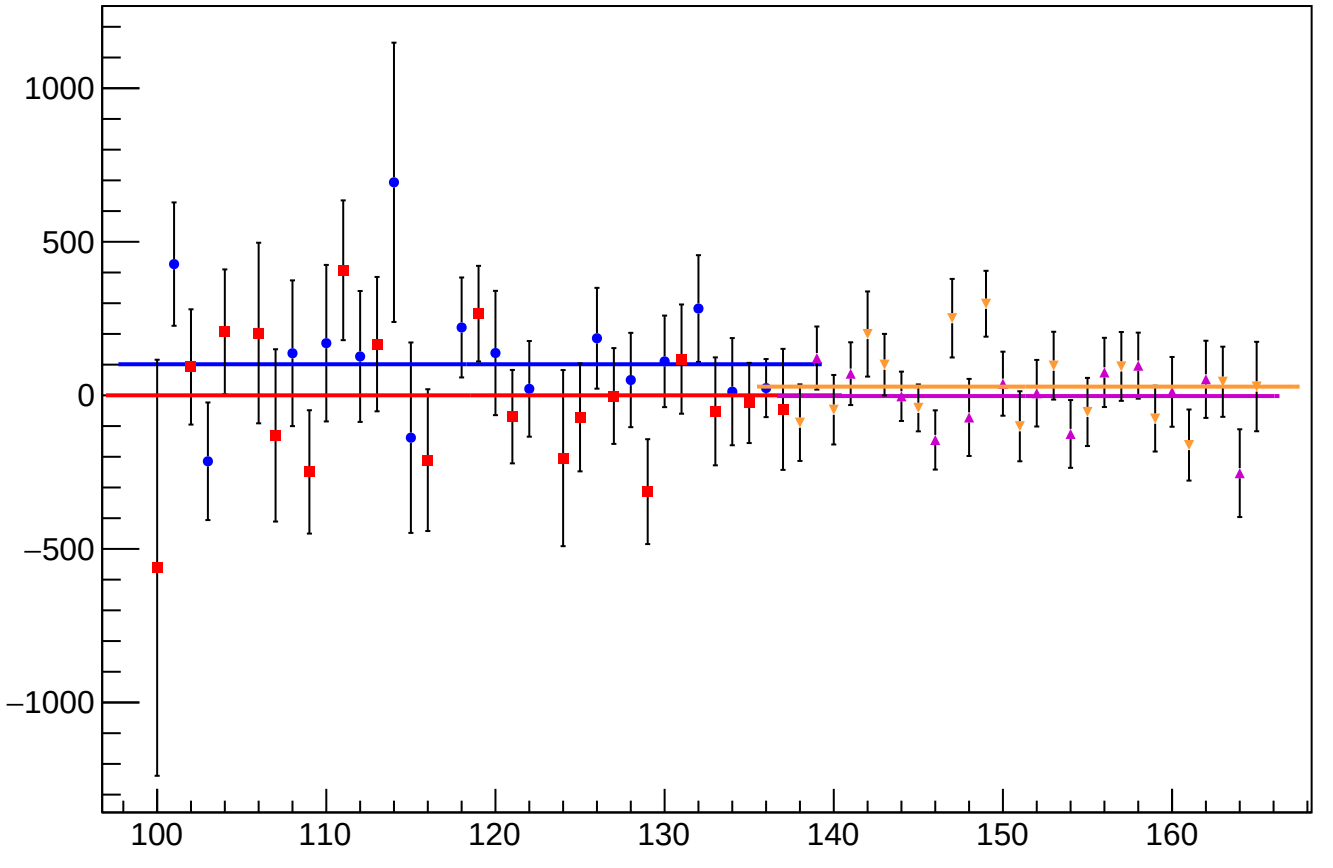
Left: 517.537+/-0.078 χ^2/NDF: 959379.4/27

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 567.405+/-0.097 χ^2/NDF:1999946.0/28

Out: 565.474+/-0.094 χ^2/NDF:2468555.1/33

All: 566.412+/-0.068 χ^2/NDF: 4468704.3/62



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.433+/-28.641 χ^2/NDF:19.8/14

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -2.278+/-29.738 χ^2/NDF:10.5/12

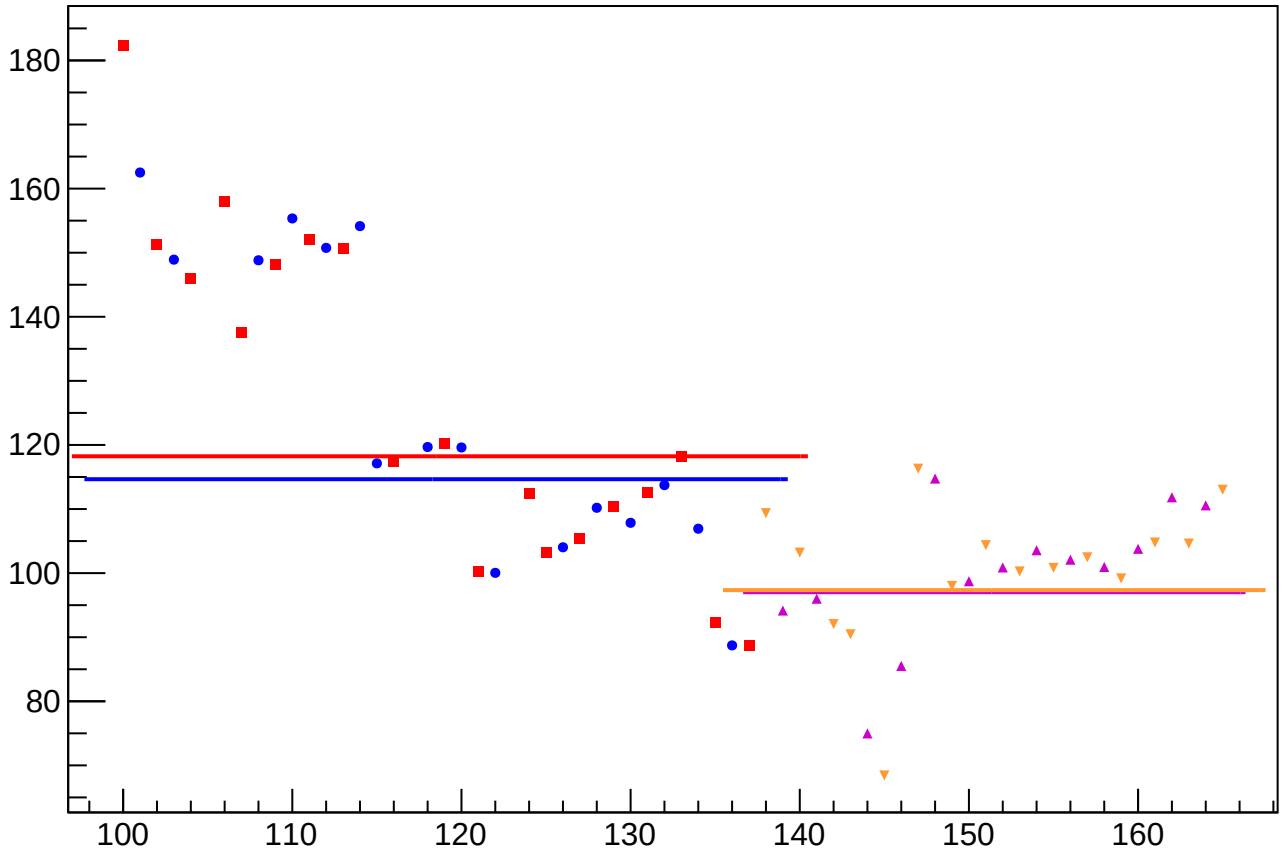
Left: 13.654+/-20.629 χ^2/NDF: 30.8/27

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 30.695+/-24.551 χ^2/NDF:25.3/28

Out: 20.017+/-24.009 χ^2/NDF:36.7/33

All: 25.237+/-17.165 χ^2/NDF: 62.1/62



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 97.350+/-0.020 χ^2/NDF:422089.0/14

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.8/12

Left: 97.191+/-0.015 χ^2/NDF: 712610.8/27

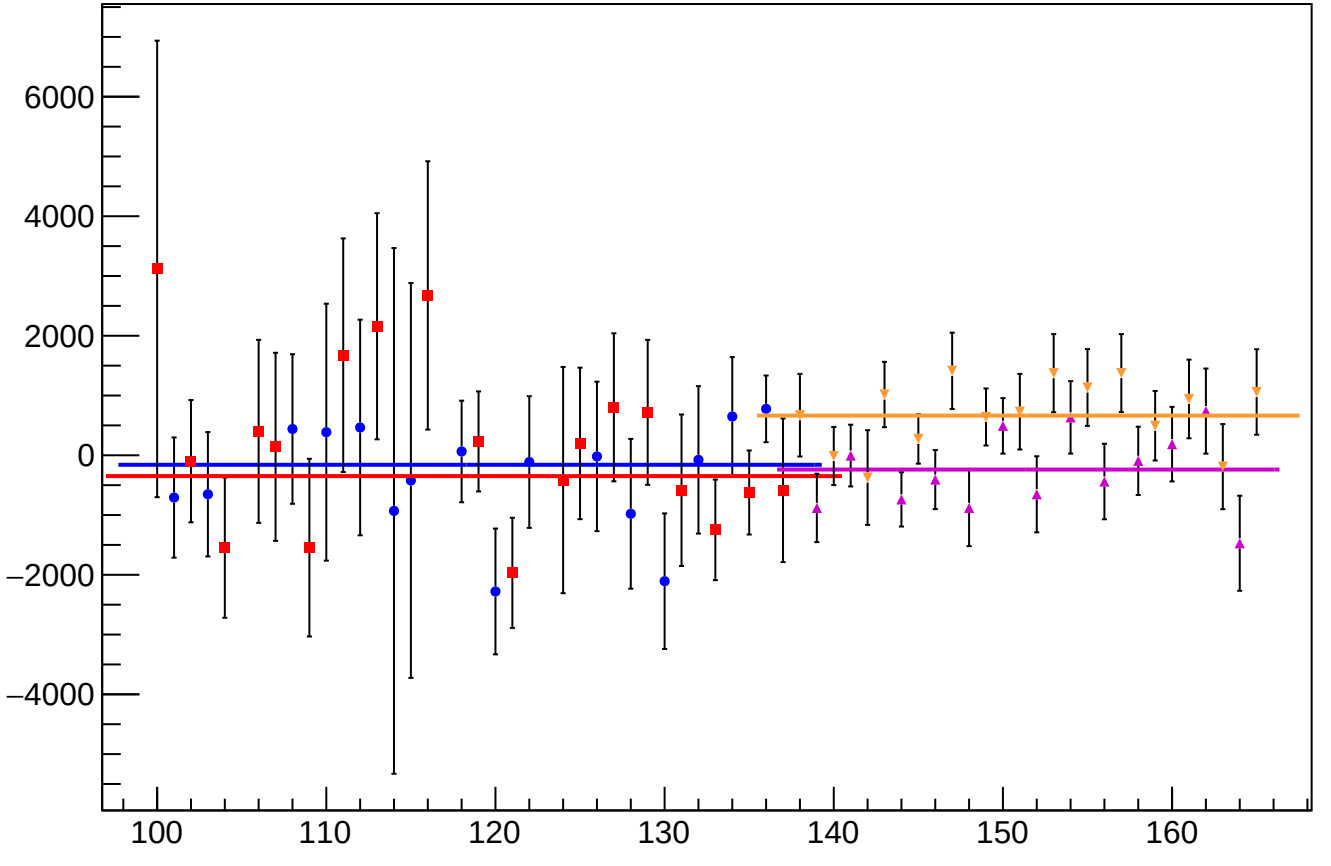
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.635+/-0.017 χ^2/NDF:1046294.7/28

Out: 103.557+/-0.017 χ^2/NDF:1221493.4/33

All: 103.106+/-0.012 χ^2/NDF: 2269231.7/62

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: 663.946+/-152.939 χ^2/NDF:11.3/14

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -238.793+/-158.691 χ^2/NDF:13.7/12

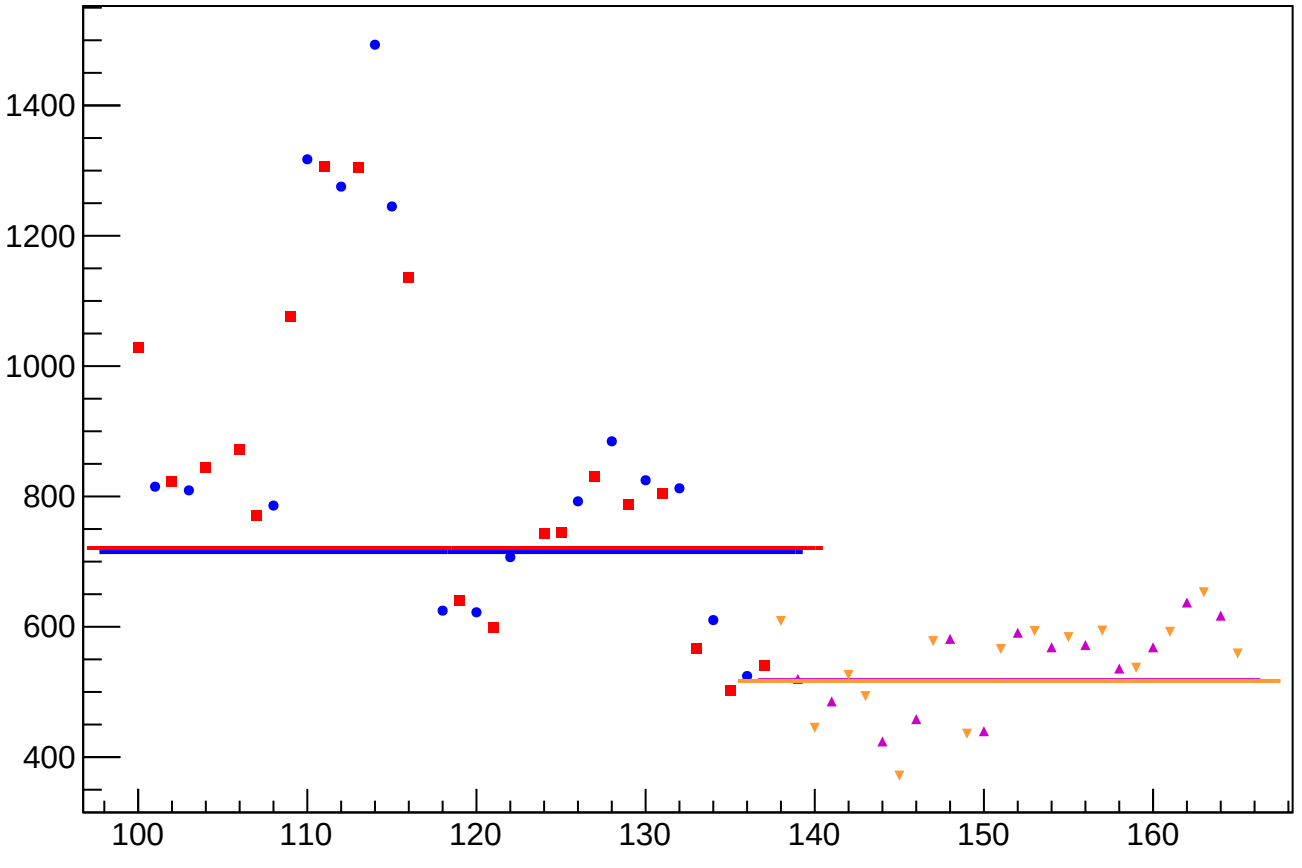
Left: 229.235+/-110.121 χ^2/NDF: 41.7/27

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -218.840+/-137.392 χ^2/NDF:25.7/28

Out: 422.894+/-133.497 χ^2/NDF:36.0/33

All: 111.254+/-95.744 χ^2/NDF: 72.9/62



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 516.912+/-0.108 χ^2/NDF:603155.7/14

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 518.209+/-0.112 χ^2/NDF:356153.9/12

Left: 517.537+/-0.078 χ^2/NDF: 959378.8/27

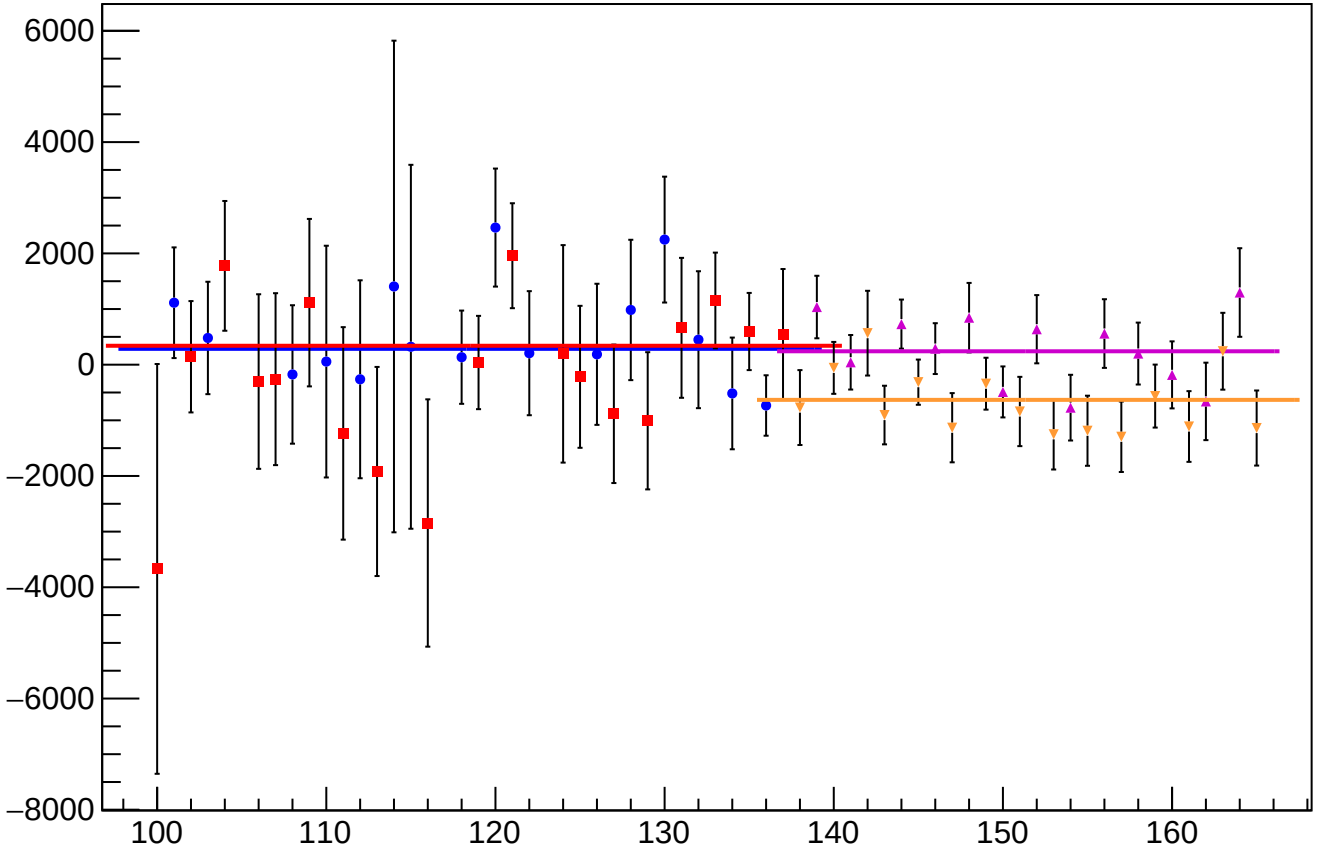
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 567.405+/-0.097 χ^2/NDF:1999936.1/28

Out: 565.474+/-0.094 χ^2/NDF:2468547.4/33

All: 566.412+/-0.068 χ^2/NDF: 4468686.7/62

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -632.323+/-148.466 χ^2/NDF:11.6/14

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 240.768+/-153.608 χ^2/NDF:14.4/12

Left: -210.634+/-106.753 χ^2/NDF: 42.8/27

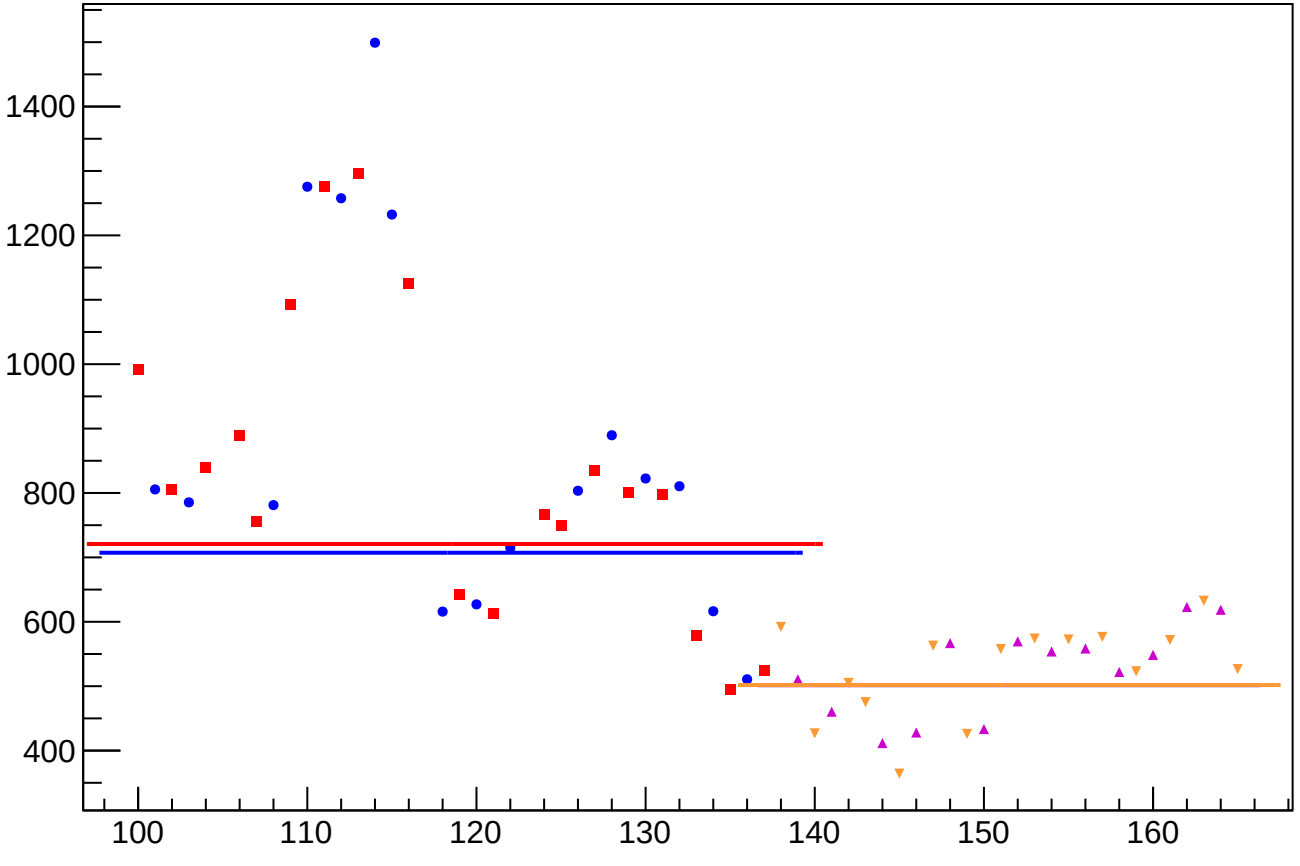
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 251.414+/-133.746 χ^2/NDF:27.3/28

Out: -411.140+/-130.492 χ^2/NDF:35.5/33

All: -88.021+/-93.401 χ^2/NDF: 75.3/62

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 501.743+/-0.105 χ^2/NDF:591227.1/14

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 501.538+/-0.109 χ^2/NDF:391925.2/12

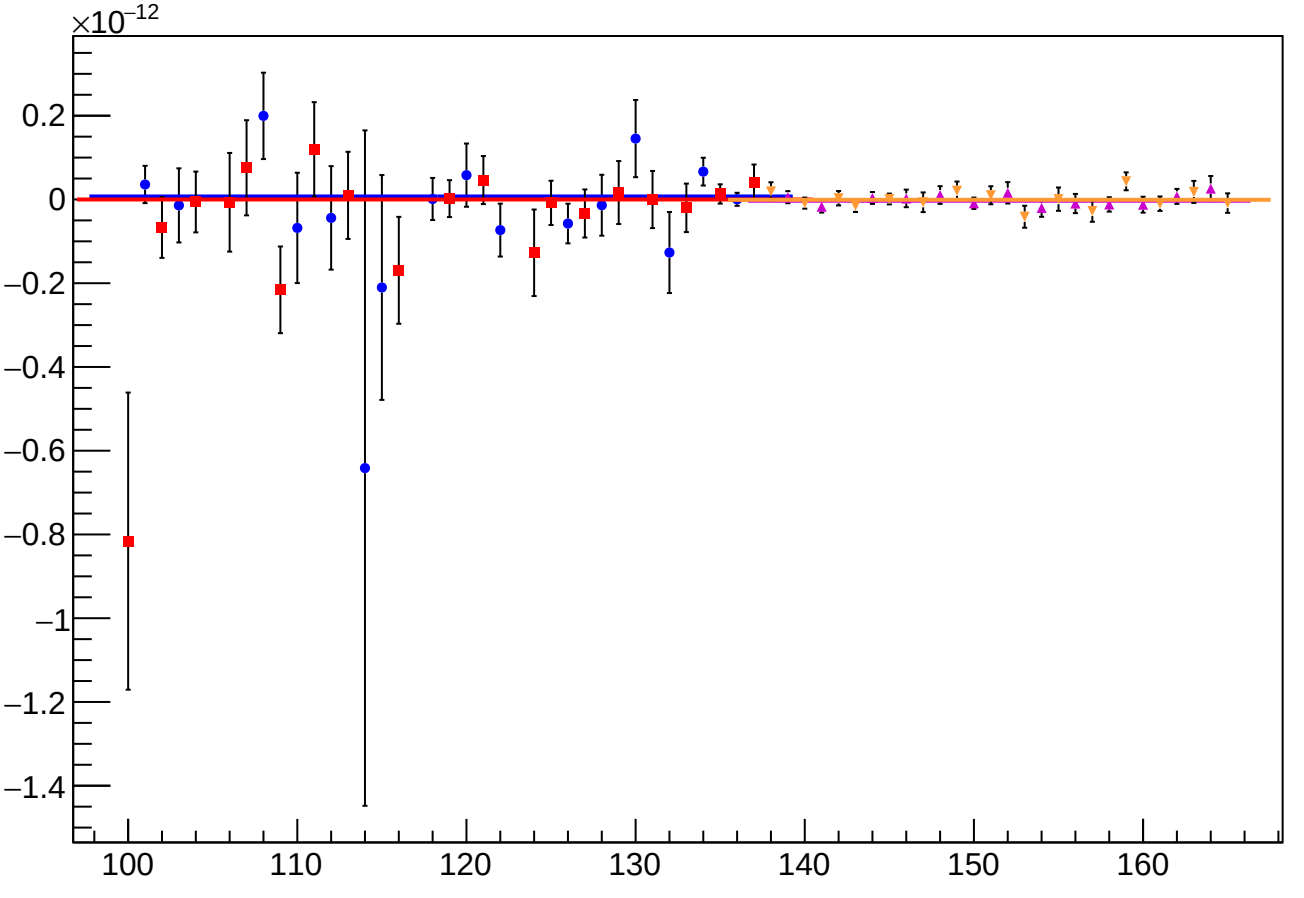
Left: 501.644+/-0.075 χ^2/NDF: 983154.2/27

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 551.286+/-0.095 χ^2/NDF:2155884.7/28

Out: 551.567+/-0.092 χ^2/NDF:2596729.6/33

All: 551.430+/-0.066 χ^2/NDF: 4752618.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/12

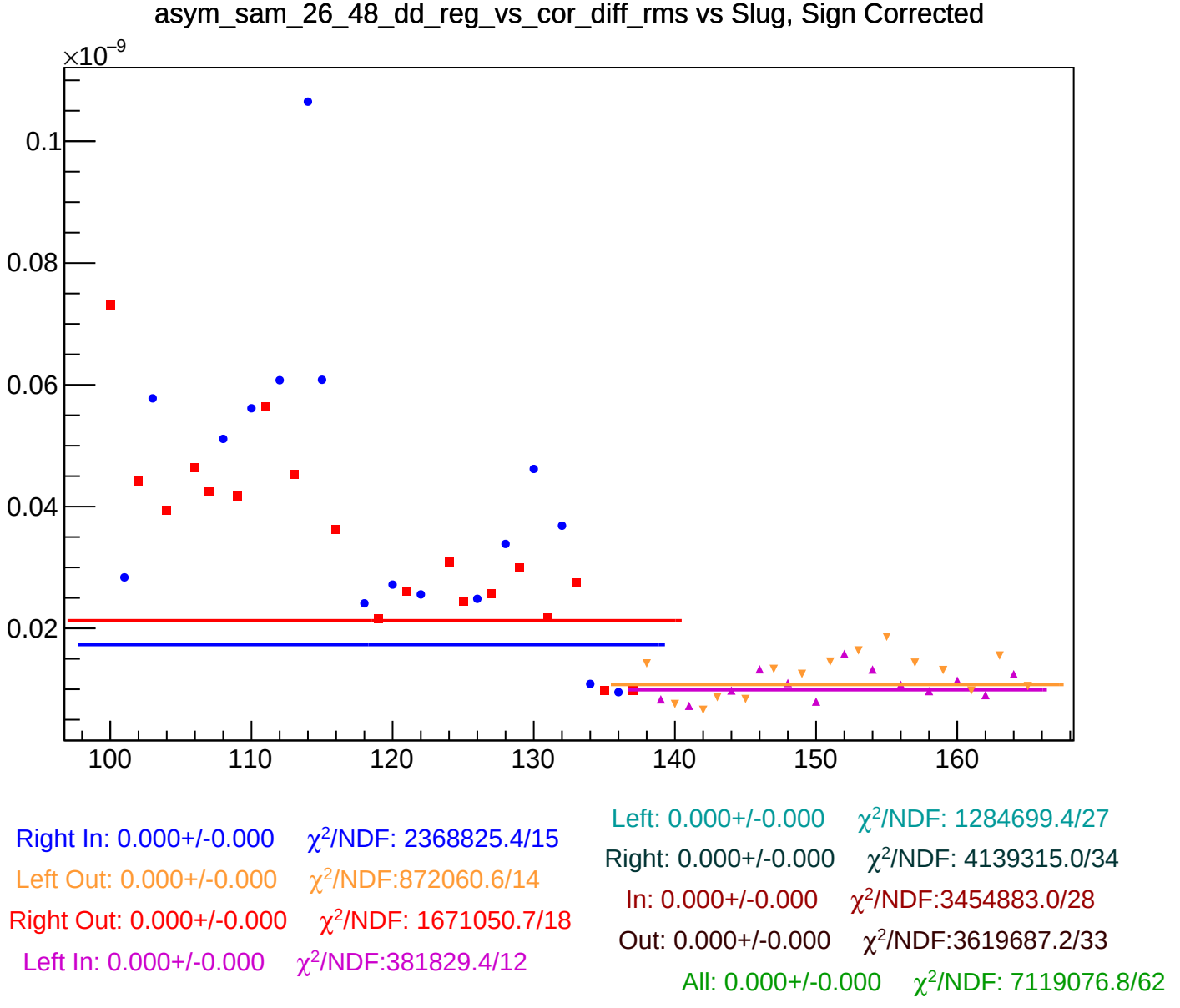
Left: -0.000+/-0.000 χ^2/NDF: 17.5/27

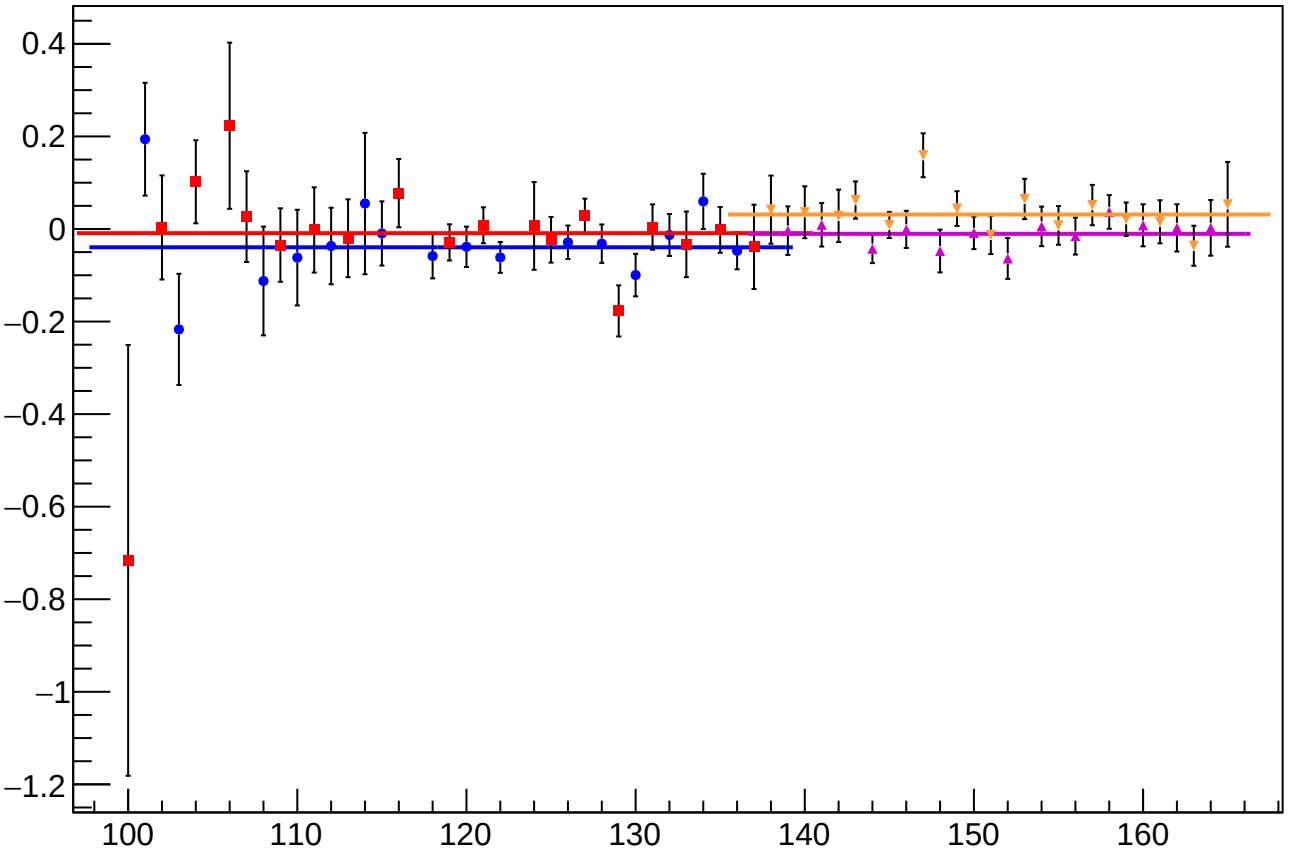
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:23.3/28

Out: -0.000+/-0.000 χ^2/NDF:29.8/33

All: -0.000+/-0.000 χ^2/NDF: 53.2/62


asym_sam_26_48_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:872060.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:381829.4/12
Left: 0.000+/-0.000 χ²/NDF: 1284699.4/27
Right: 0.000+/-0.000 χ²/NDF: 4139315.0/34
In: 0.000+/-0.000 χ²/NDF:3454883.0/28
Out: 0.000+/-0.000 χ²/NDF:3619687.2/33
All: 0.000+/-0.000 χ²/NDF: 7119076.8/62



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

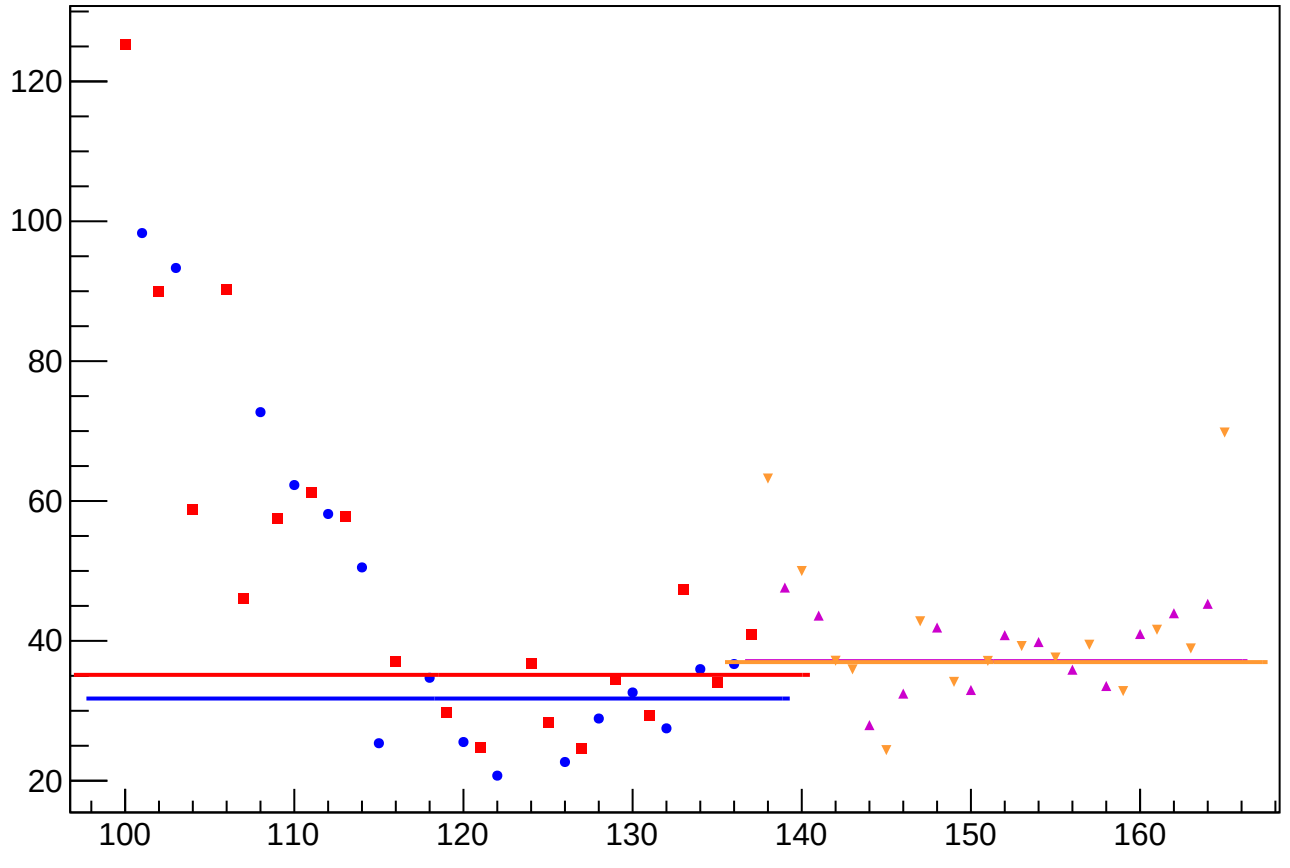
Left: 0.011+/-0.008 χ^2/NDF: 25.8/27

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.004+/-0.006 χ^2/NDF: 67.5/62



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124797.3/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

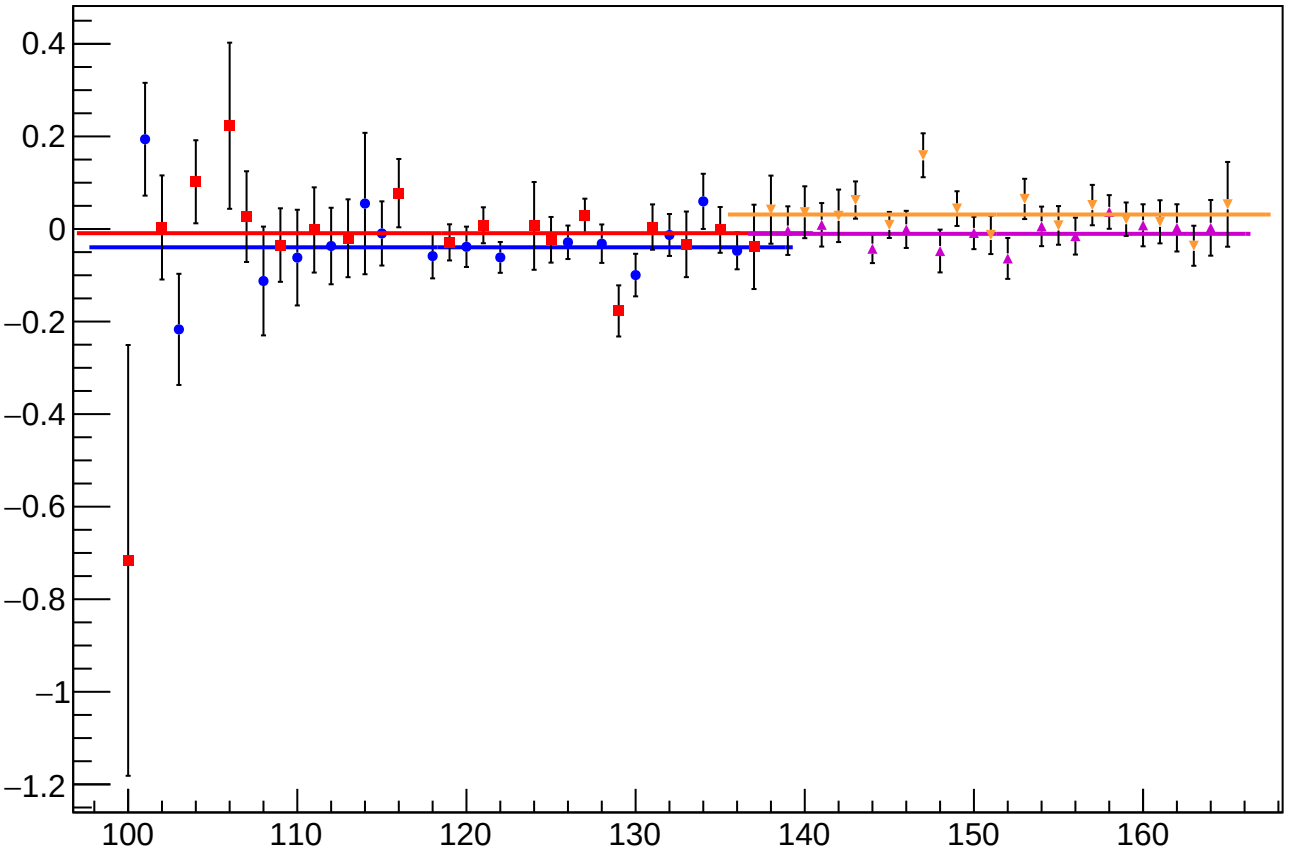
Left: 37.032+/-0.006 χ^2/NDF: 1624283.9/27

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.750+/-0.006 χ^2/NDF:2936656.7/28

Out: 36.261+/-0.006 χ^2/NDF:2989869.8/33

All: 35.500+/-0.004 χ^2/NDF: 5956235.5/62



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

Left: 0.011+/-0.008 χ^2/NDF: 25.8/27

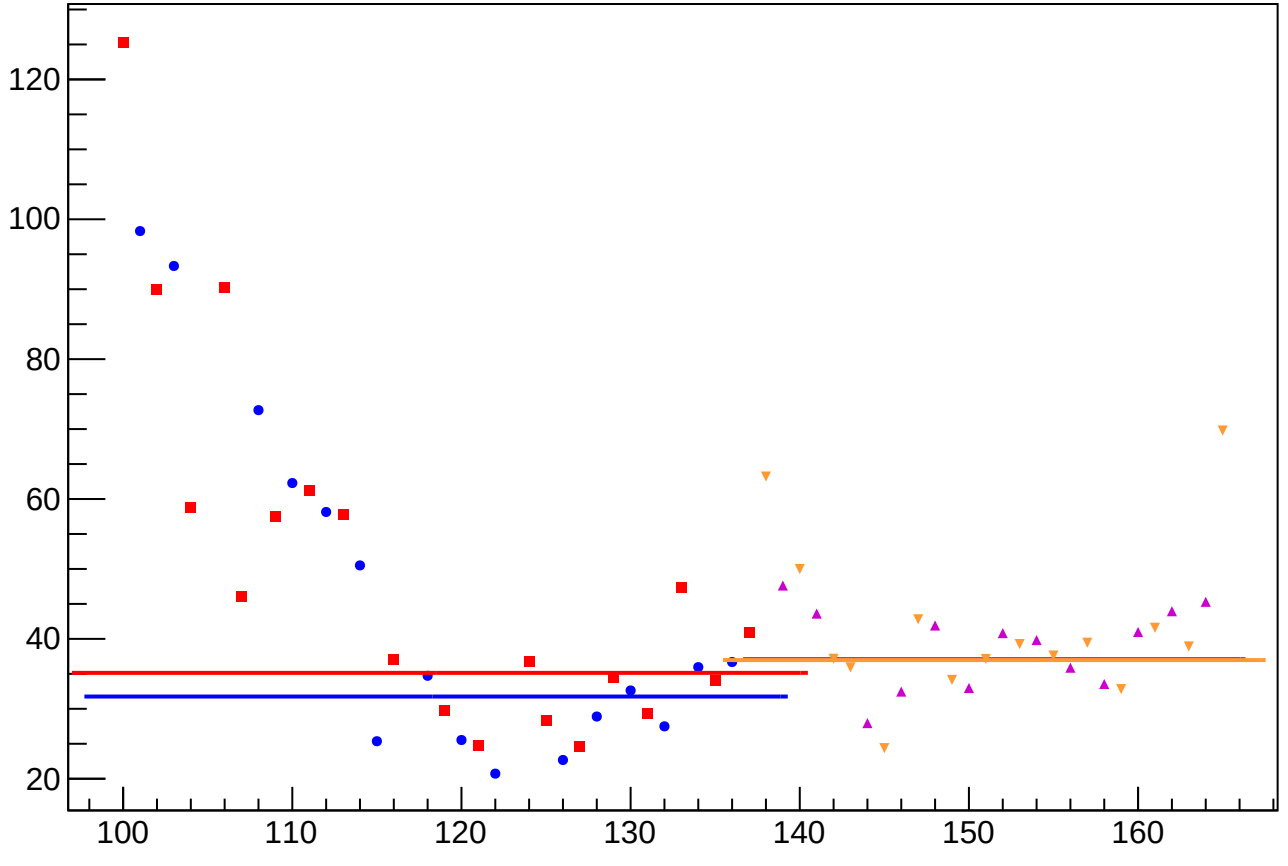
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.004+/-0.006 χ^2/NDF: 67.5/62

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: 36.965+/-0.008 χ^2/NDF:1124797.3/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

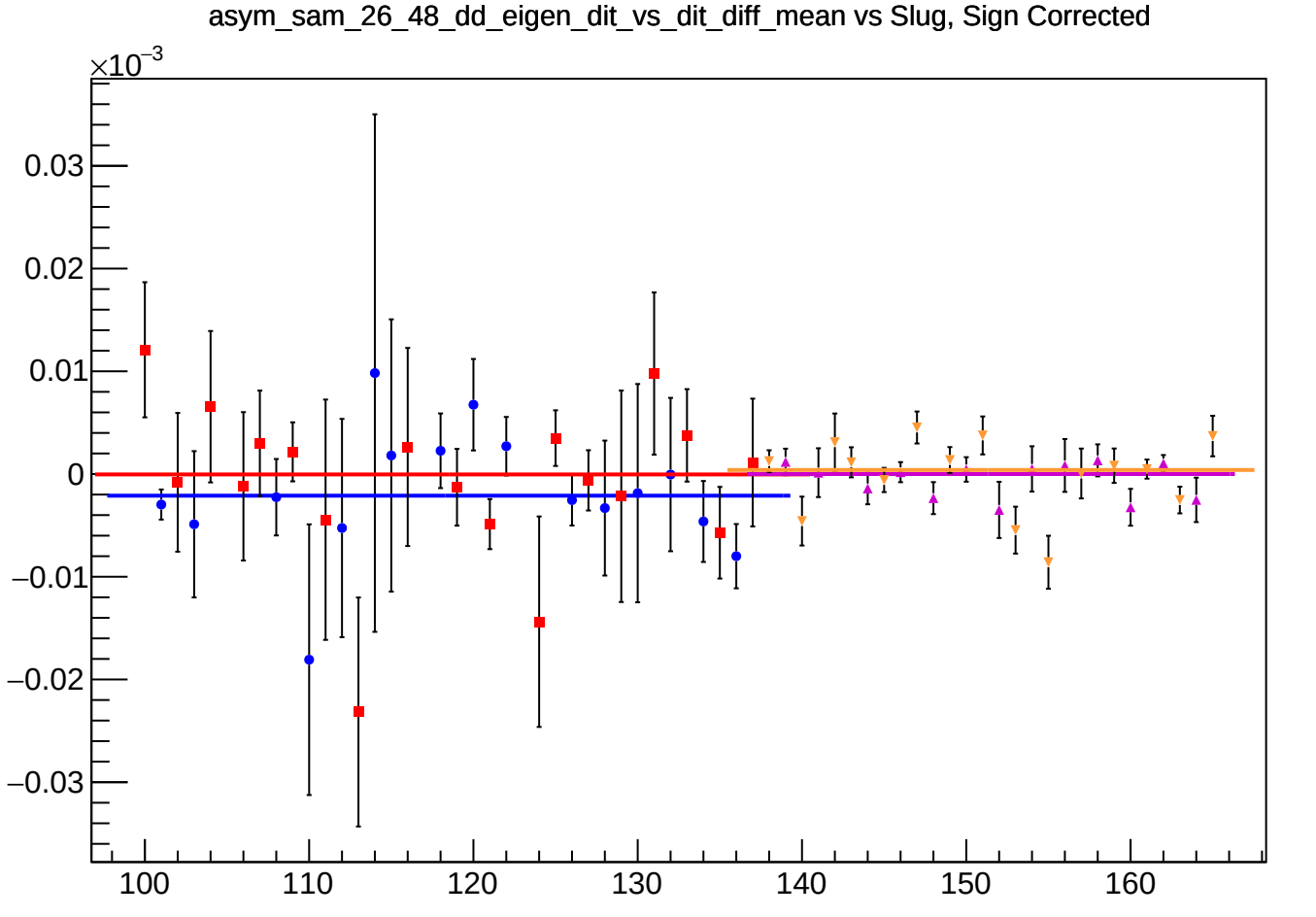
Left: 37.032+/-0.006 χ^2/NDF: 1624283.9/27

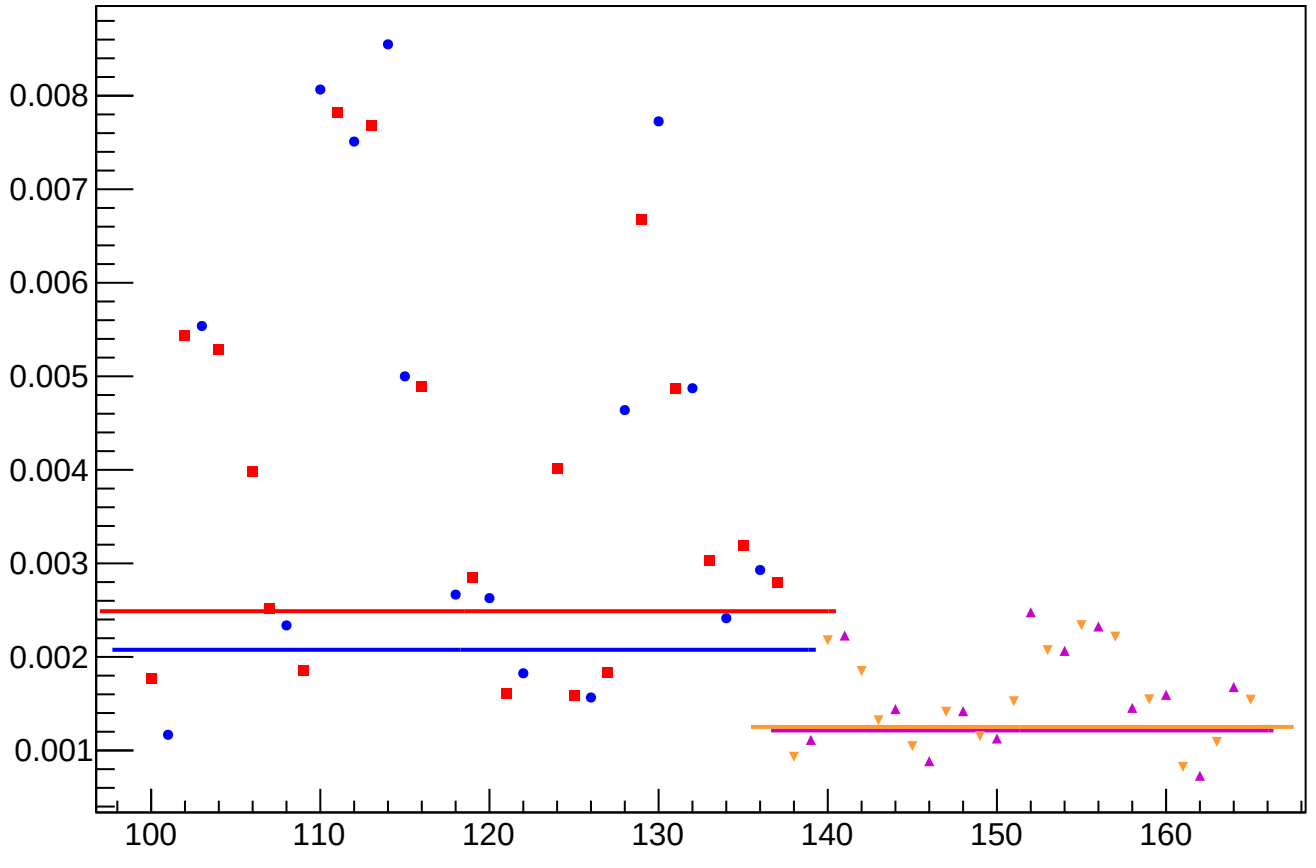
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.750+/-0.006 χ^2/NDF:2936656.7/28

Out: 36.261+/-0.006 χ^2/NDF:2989869.8/33

All: 35.500+/-0.004 χ^2/NDF: 5956235.5/62


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
Right In: -0.000+/-0.000 χ²/NDF: 14.7/15
Left Out: 0.000+/-0.000 χ²/NDF:44.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.8/12
Left: 0.000+/-0.000 χ²/NDF: 57.9/27
Right: -0.000+/-0.000 χ²/NDF: 38.4/34
In: -0.000+/-0.000 χ²/NDF:32.1/28
Out: 0.000+/-0.000 χ²/NDF:66.1/33
All: -0.000+/-0.000 χ²/NDF: 99.9/62



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2207771.6/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2725418.2/12

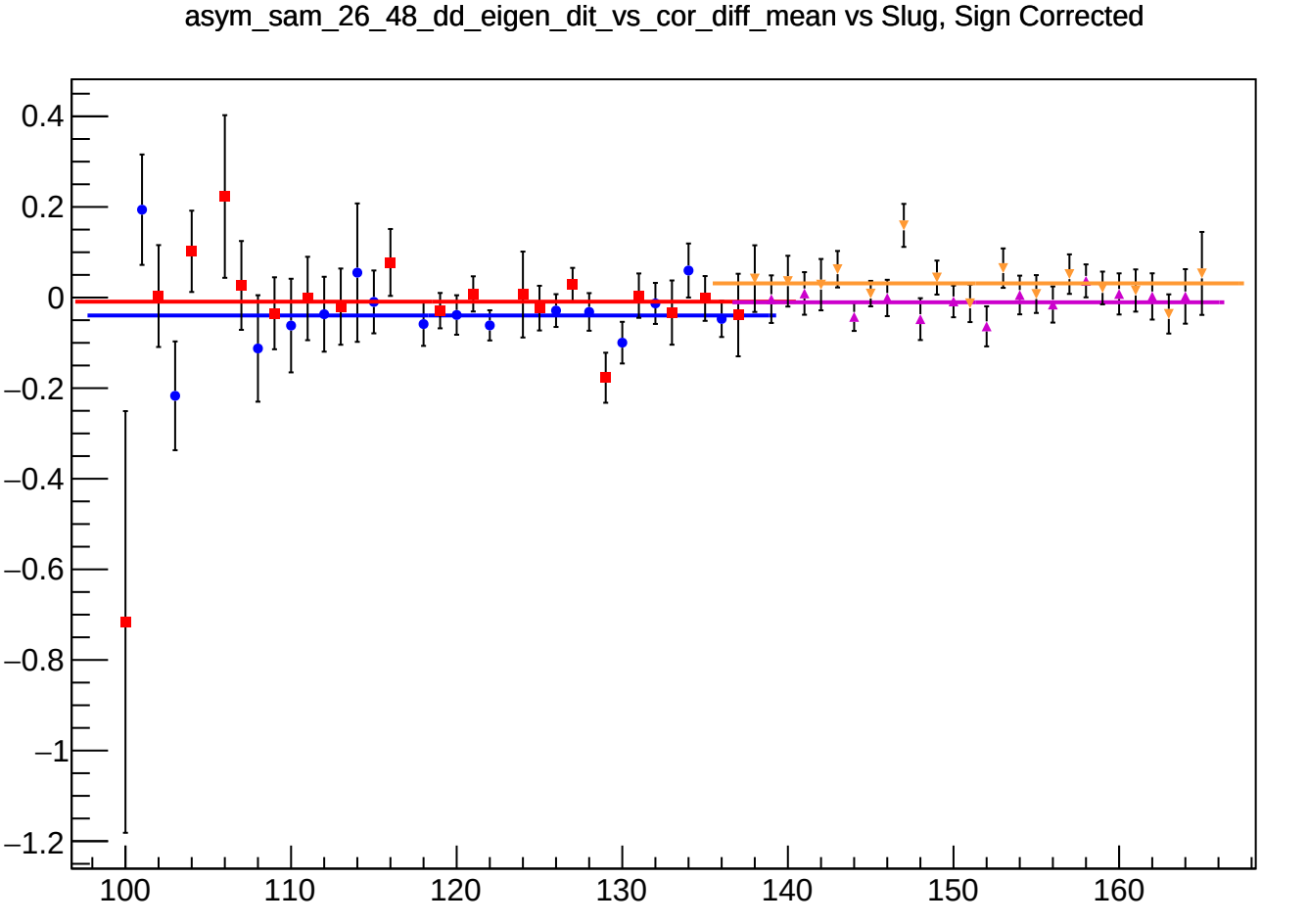
Left: 0.001+/-0.000 χ^2/NDF: 4942525.3/27

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8151911.8/28

Out: 0.001+/-0.000 χ^2/NDF:7772549.2/33

All: 0.001+/-0.000 χ^2/NDF: 15943827.7/62



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

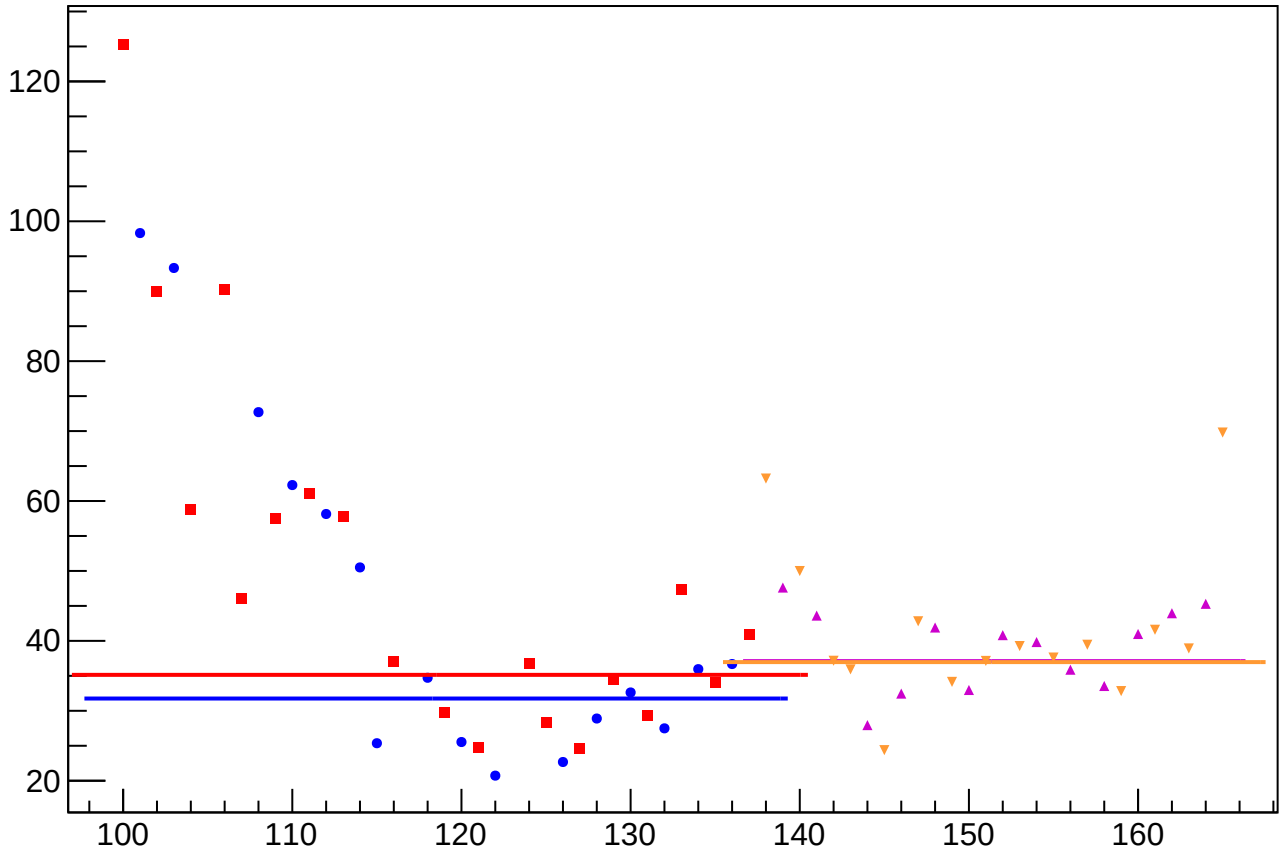
Left: 0.011+/-0.008 χ^2/NDF: 25.8/27

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.004+/-0.006 χ^2/NDF: 67.5/62



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124826.1/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

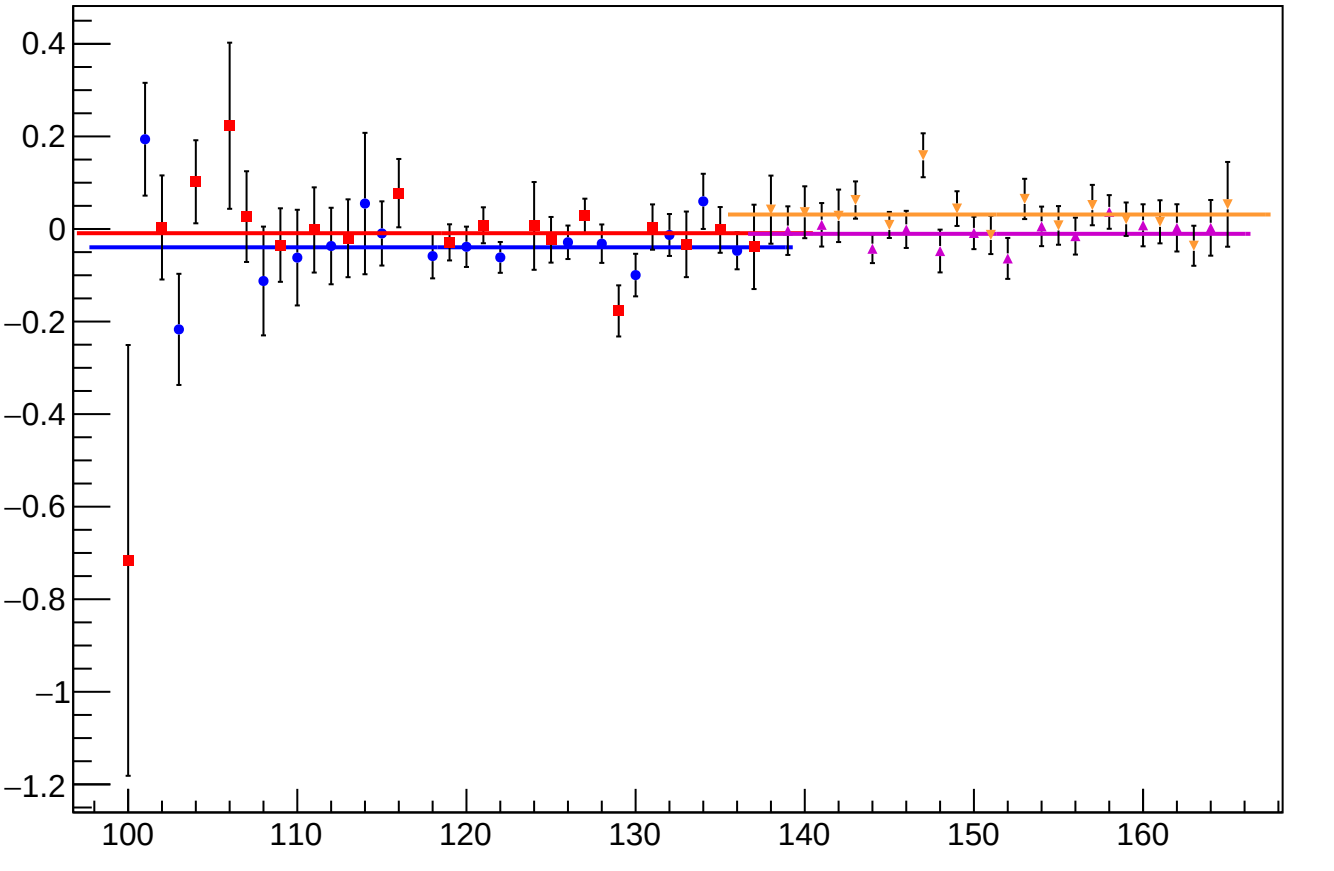
Left: 37.032+/-0.006 χ^2/NDF: 1624312.4/27

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.750+/-0.006 χ^2/NDF:2936615.0/28

Out: 36.261+/-0.006 χ^2/NDF:2989785.5/33

All: 35.500+/-0.004 χ^2/NDF: 5956107.7/62



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

Left: 0.011+/-0.008 χ^2/NDF: 25.8/27

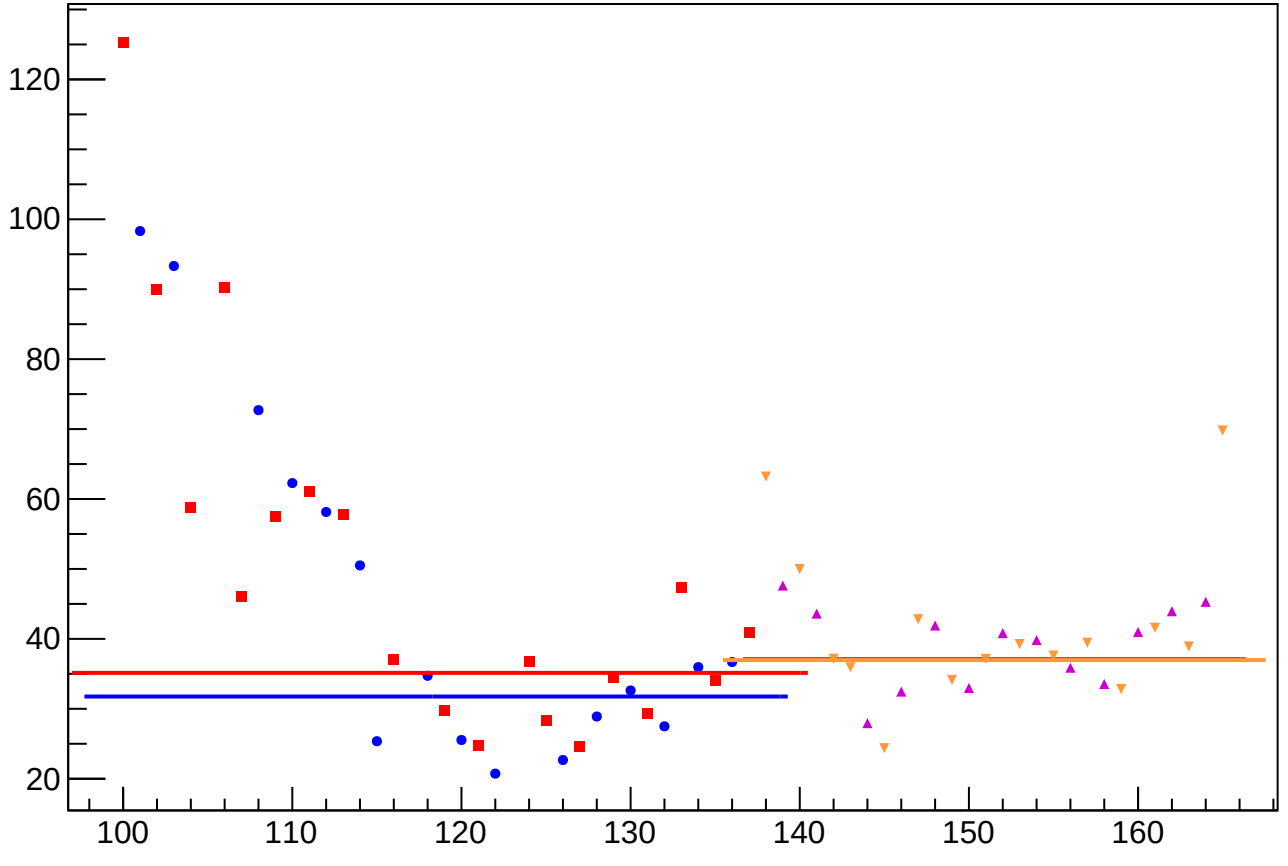
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.004+/-0.006 χ^2/NDF: 67.5/62

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: 36.965+/-0.008 χ^2/NDF:1124826.1/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

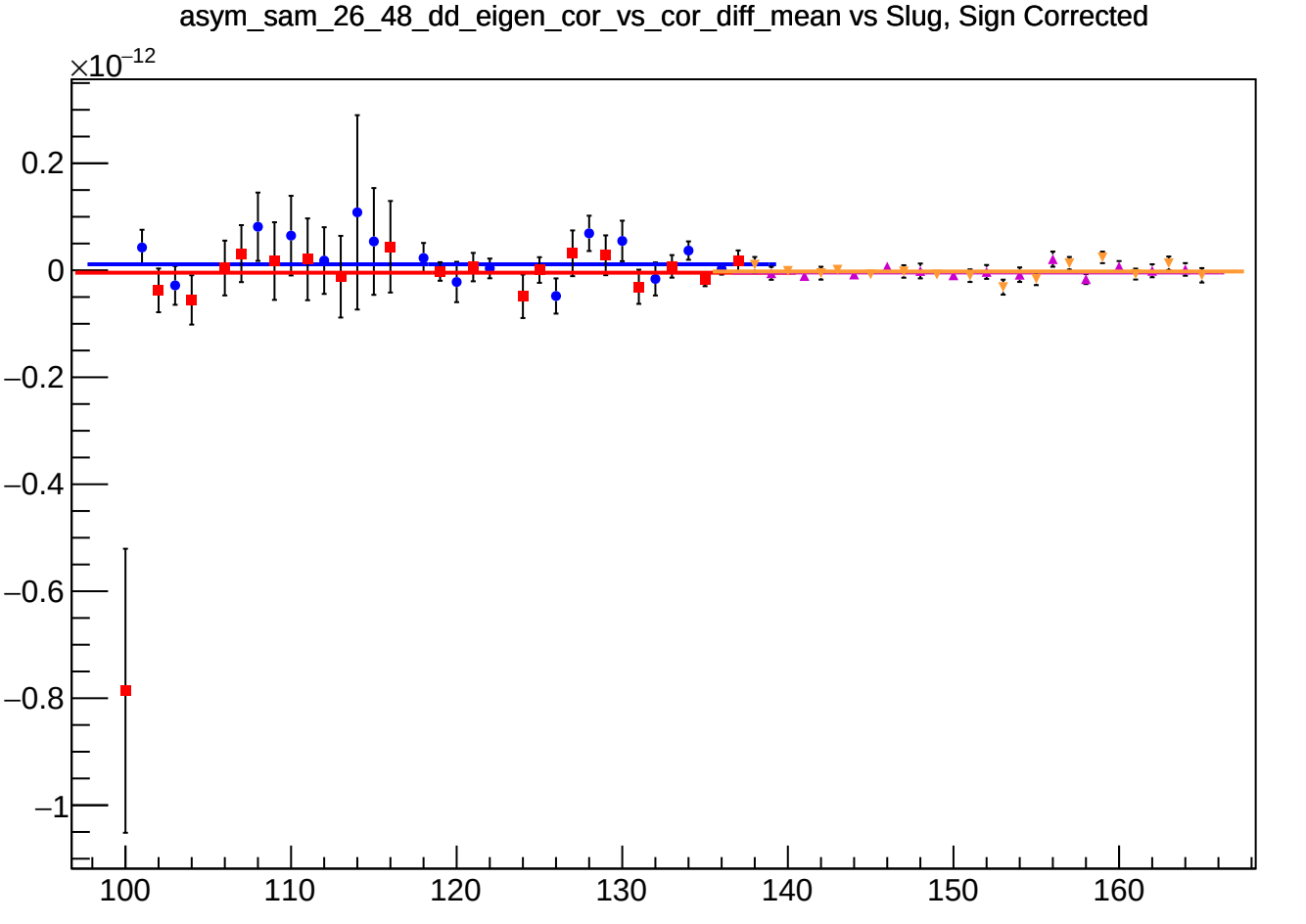
Left: 37.032+/-0.006 χ^2/NDF: 1624312.4/27

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.750+/-0.006 χ^2/NDF:2936615.0/28

Out: 36.261+/-0.006 χ^2/NDF:2989785.5/33

All: 35.500+/-0.004 χ^2/NDF: 5956107.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/12

Left: -0.000+/-0.000 χ^2/NDF: 27.9/27

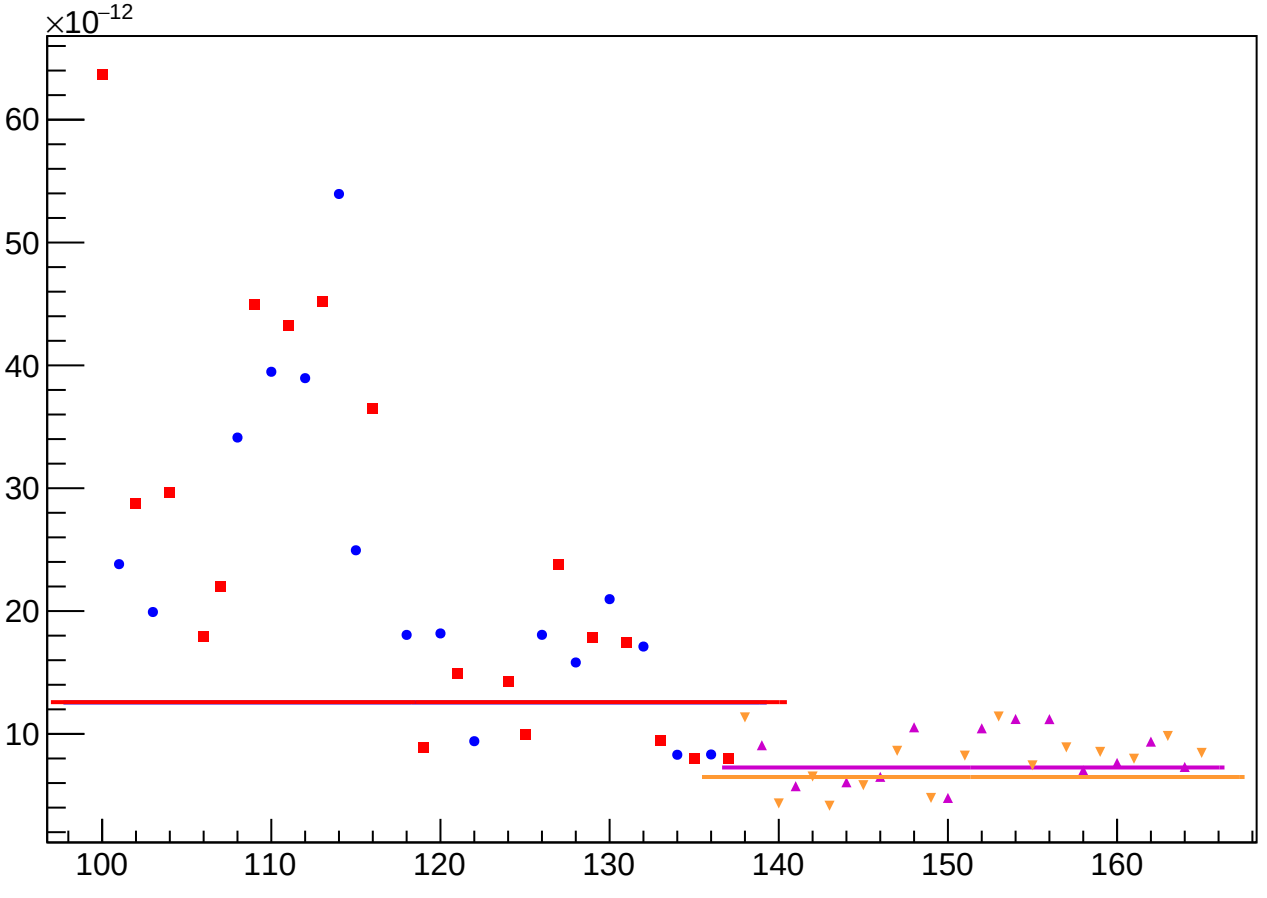
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.2/28

Out: -0.000+/-0.000 χ^2/NDF:35.6/33

All: -0.000+/-0.000 χ^2/NDF: 66.9/62

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1642559.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1039215.5/12

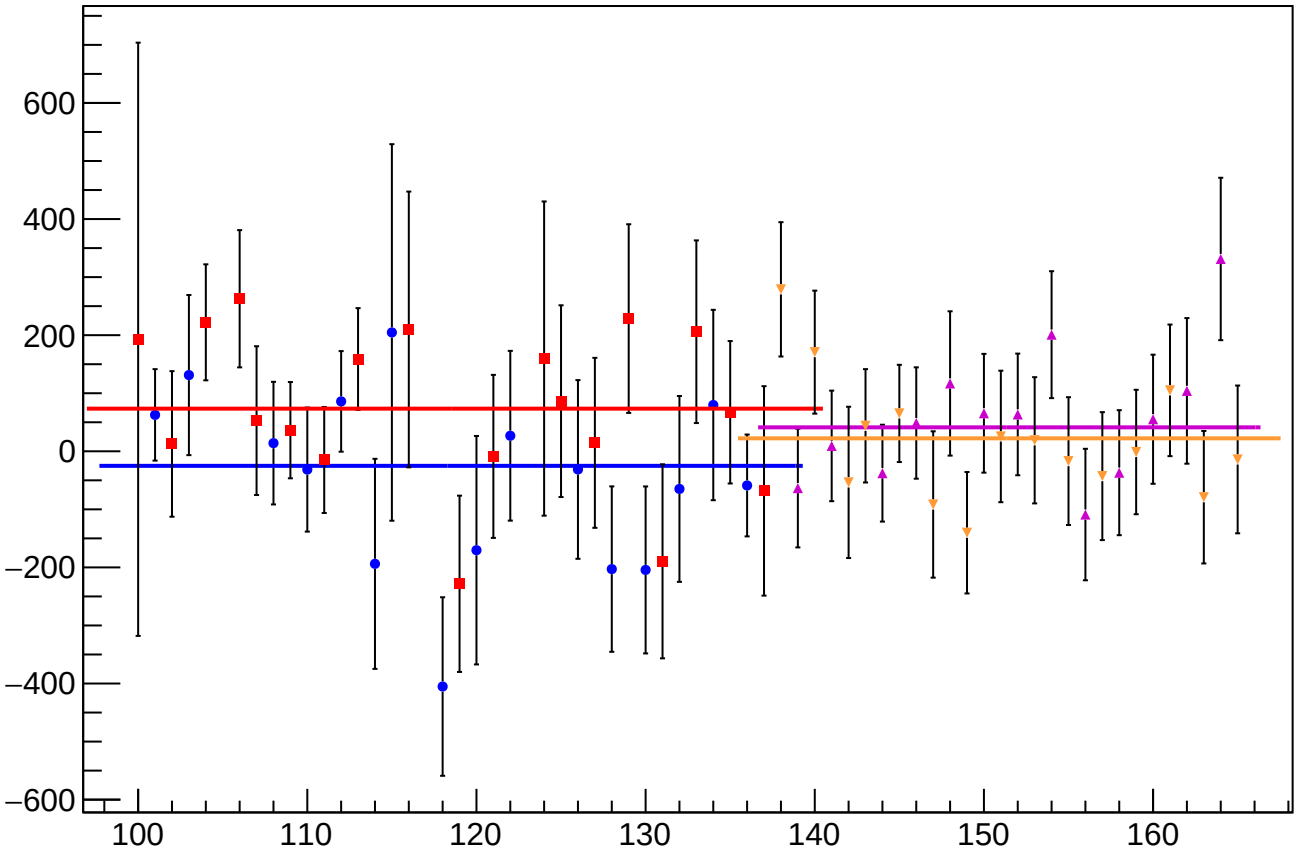
Left: 0.000+/-0.000 χ^2/NDF: 2769204.8/27

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4343653.0/28

Out: 0.000+/-0.000 χ^2/NDF:5868554.7/33

All: 0.000+/-0.000 χ^2/NDF: 10339174.1/62



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.325+/-28.220 χ^2/NDF:12.7/14

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 41.258+/-29.443 χ^2/NDF:11.5/12

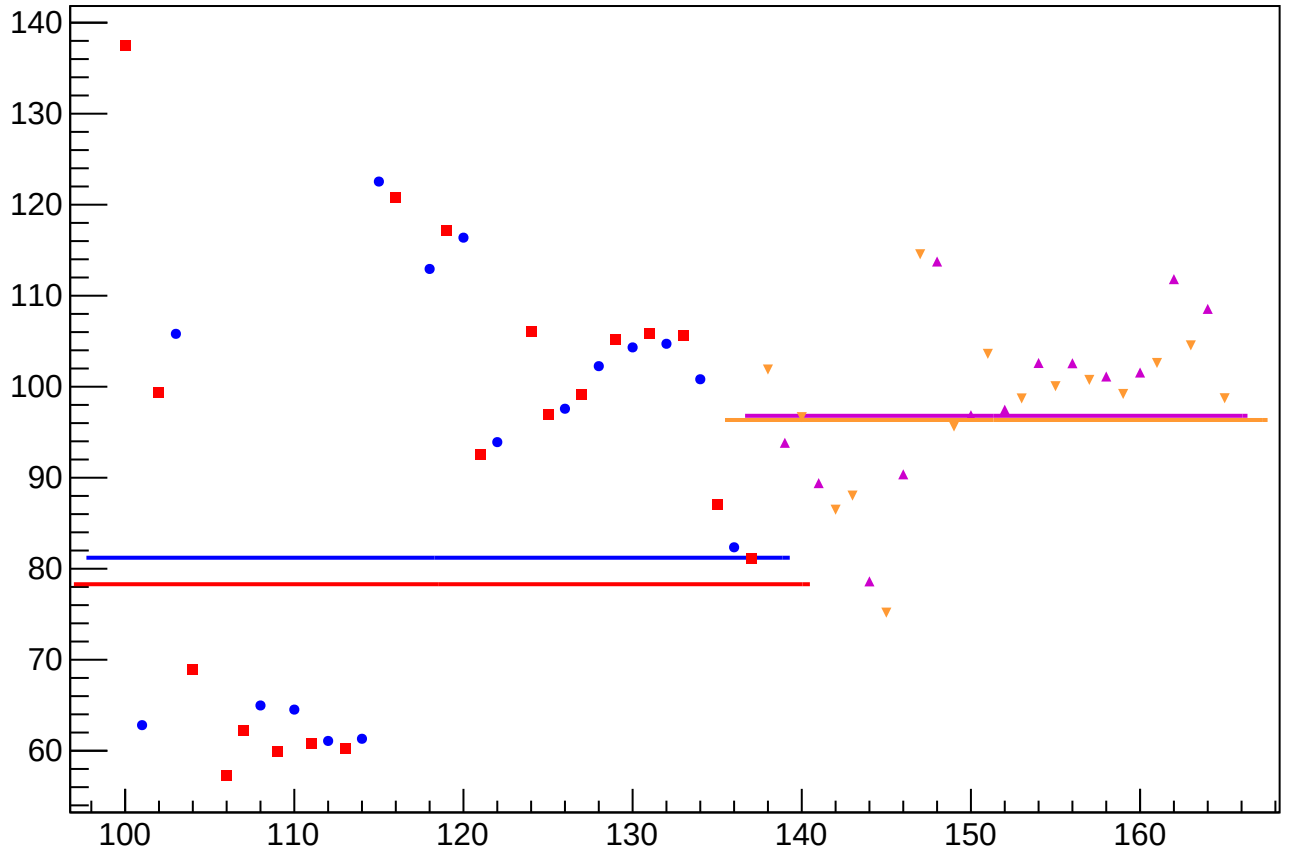
Left: 31.390+/-20.373 χ^2/NDF: 24.4/27

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 10.045+/-21.423 χ^2/NDF:30.1/28

Out: 46.385+/-20.534 χ^2/NDF:31.0/33

All: 28.985+/-14.824 χ^2/NDF: 62.6/62



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

Left: 96.565+/-0.014 χ^2/NDF: 449383.4/27

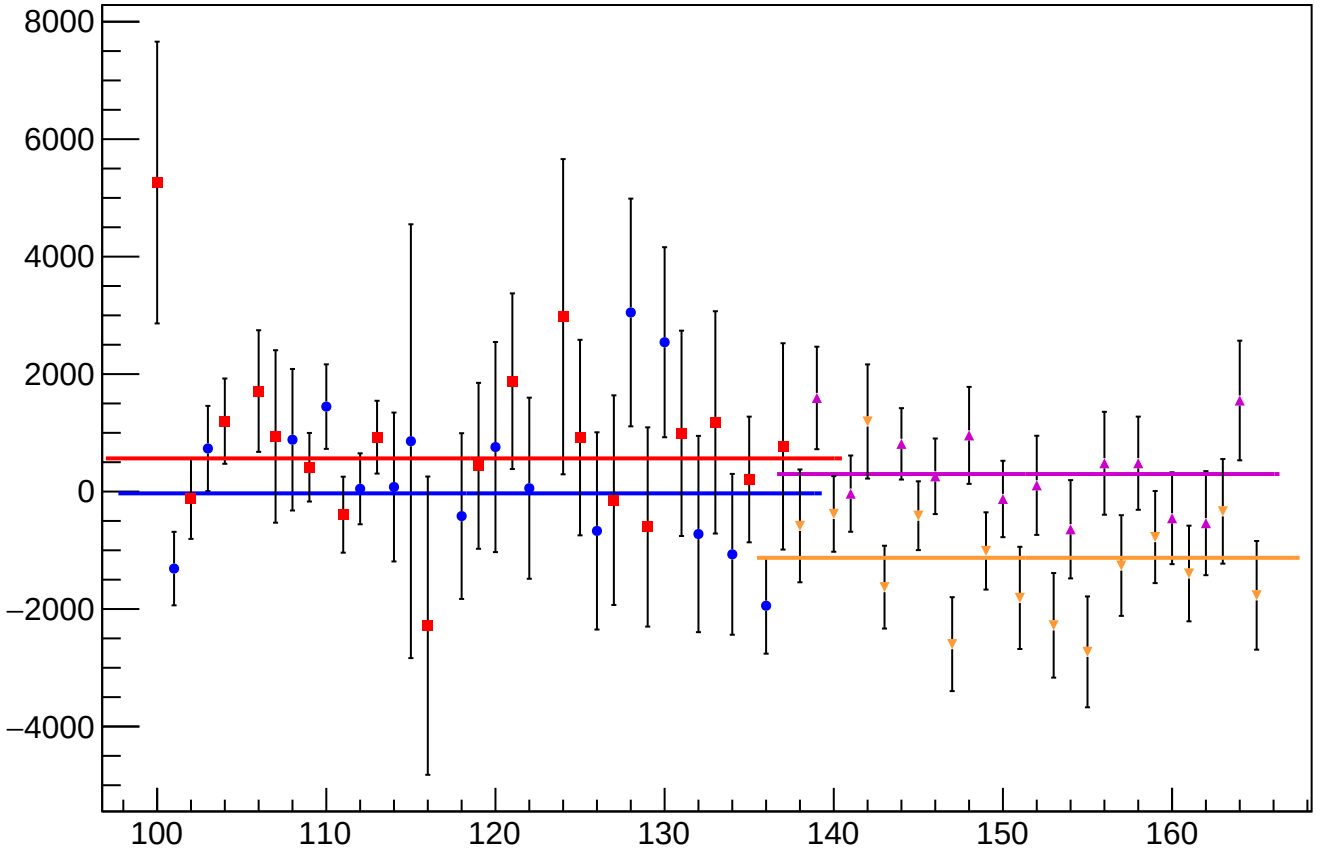
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 89.466+/-0.015 χ^2/NDF:1267427.8/28

Out: 87.852+/-0.015 χ^2/NDF:1552928.6/33

All: 88.625+/-0.010 χ^2/NDF: 2826271.6/62

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: -1127.937+/-204.173 χ^2/NDF:19.5/14

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 298.426+/-212.052 χ^2/NDF:9.0/12

Left: -441.746+/-147.078 χ^2/NDF: 52.0/27

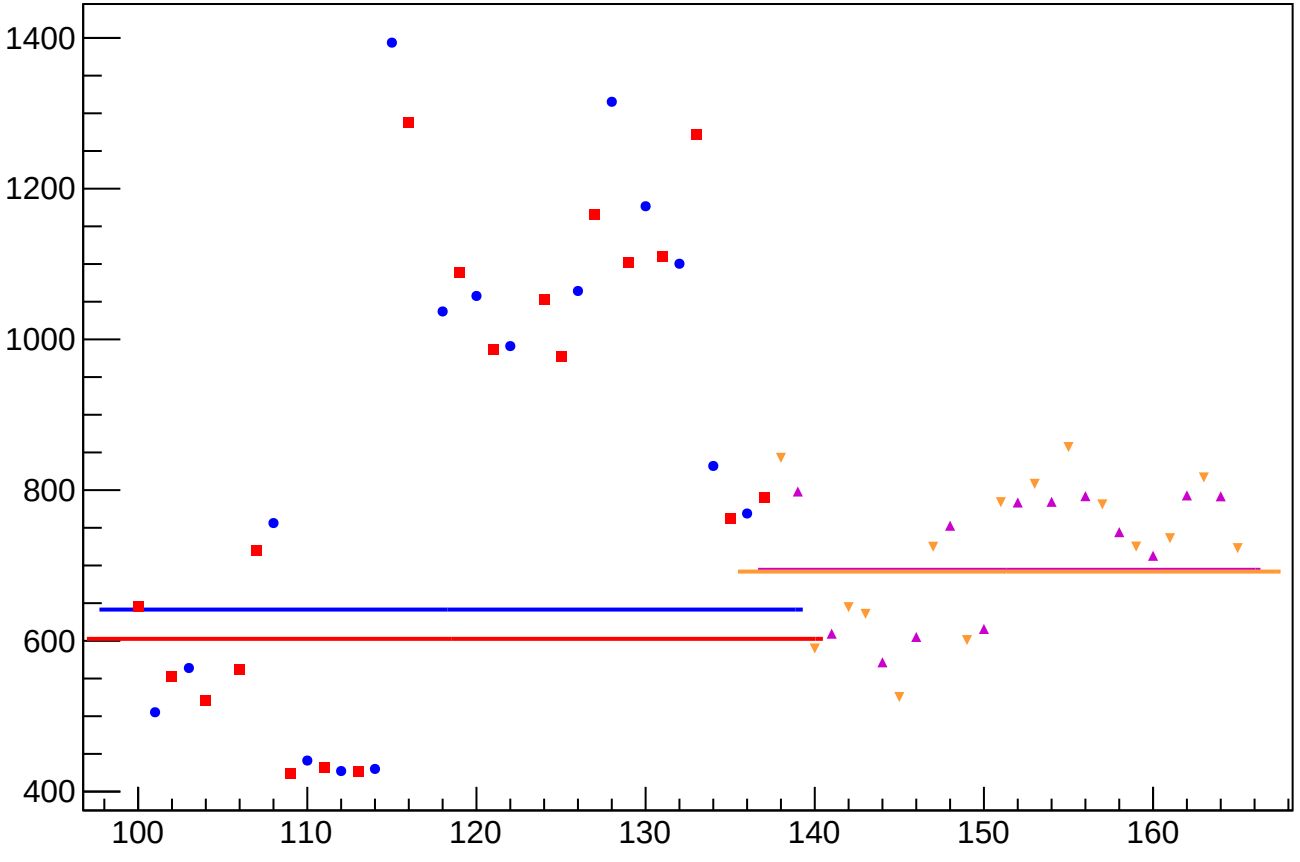
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 165.234+/-163.562 χ^2/NDF:31.8/28

Out: -411.982+/-155.099 χ^2/NDF:61.9/33

All: -138.693+/-112.545 χ^2/NDF: 100.3/62

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 691.914+/-0.144 χ^2/NDF:510976.6/14

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 694.266+/-0.150 χ^2/NDF:344333.1/12

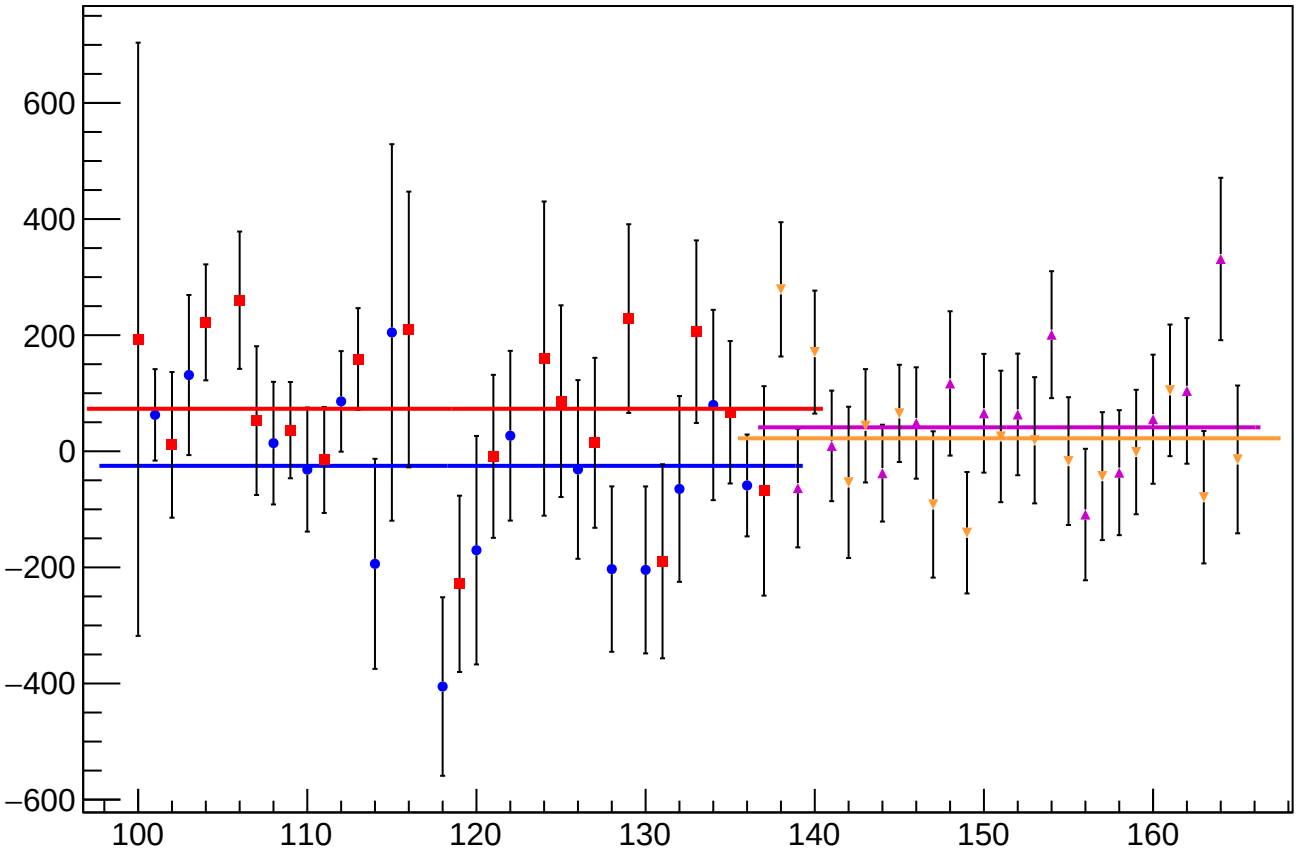
Left: 693.046+/-0.104 χ^2/NDF: 855437.4/27

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 672.893+/-0.116 χ^2/NDF:2269487.8/28

Out: 654.163+/-0.110 χ^2/NDF:2742953.0/33

All: 663.031+/-0.080 χ^2/NDF: 5026250.4/62



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.328+/-28.220 χ^2/NDF:12.7/14

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 41.258+/-29.443 χ^2/NDF:11.5/12

Left: 31.392+/-20.373 χ^2/NDF: 24.4/27

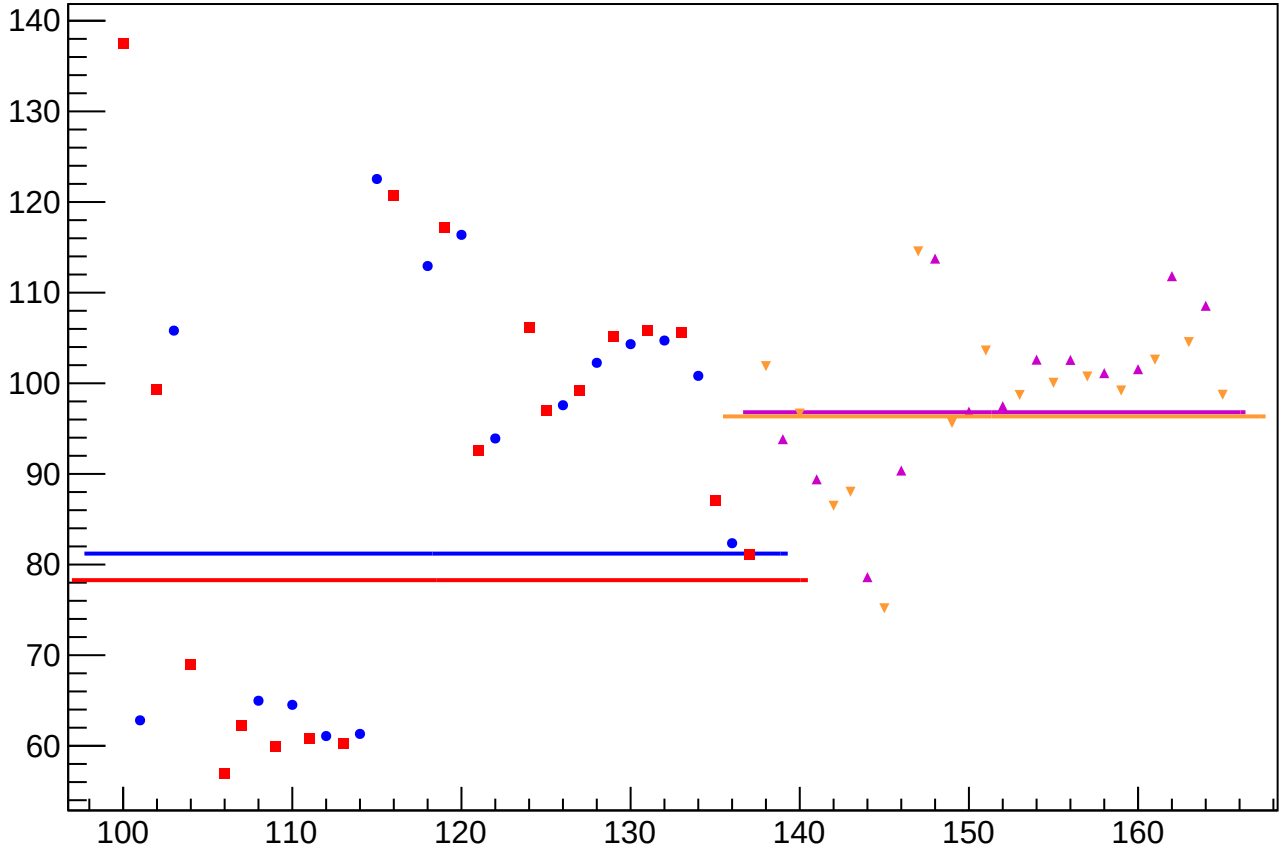
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 10.043+/-21.423 χ^2/NDF:30.1/28

Out: 46.261+/-20.535 χ^2/NDF:31.0/33

All: 28.918+/-14.824 χ^2/NDF: 62.6/62

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

Left: 96.565+/-0.014 χ^2/NDF: 449383.4/27

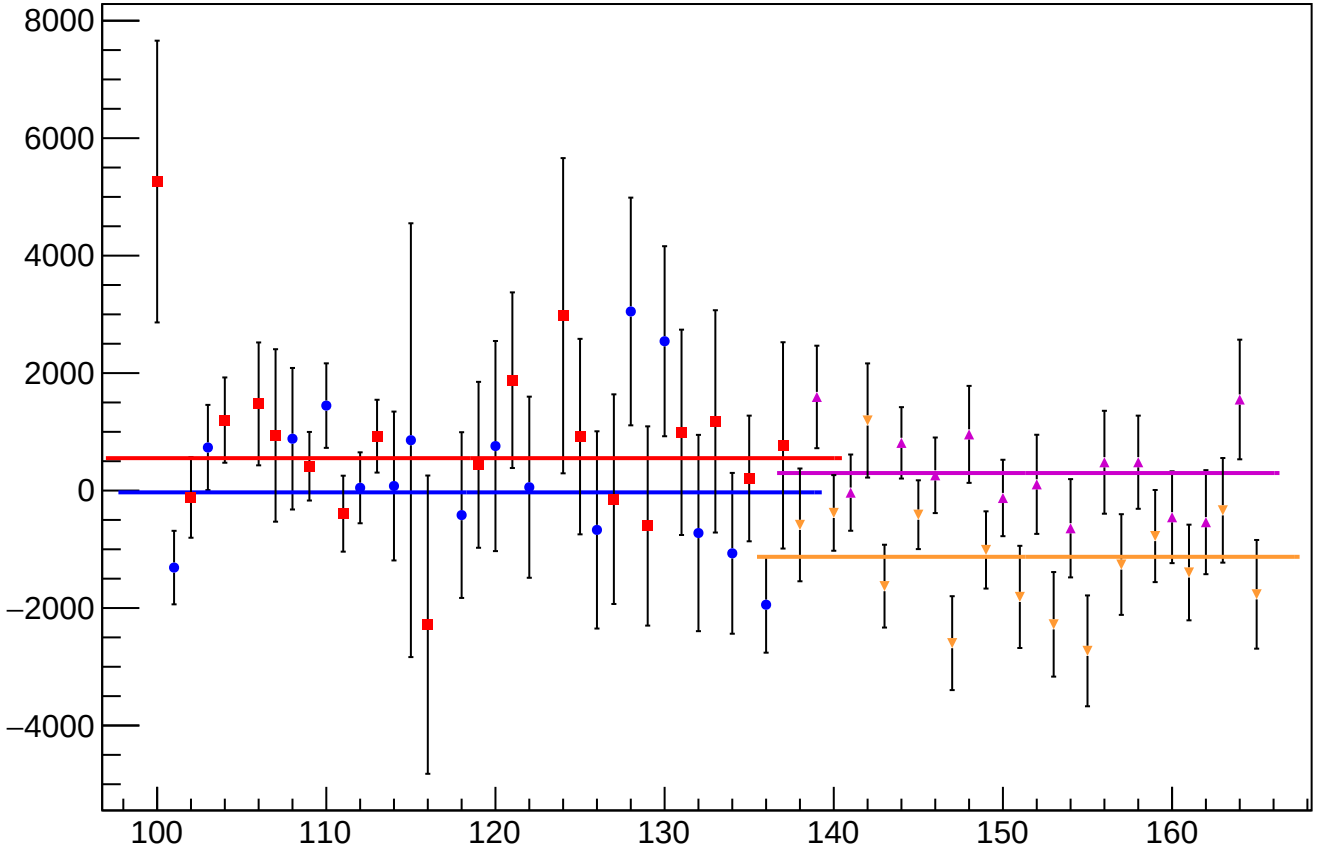
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.466+/-0.015 χ^2/NDF:1267429.5/28

Out: 87.844+/-0.015 χ^2/NDF:1555837.5/33

All: 88.621+/-0.010 χ^2/NDF: 2829242.6/62

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: -1127.932+/-204.173 χ^2/NDF:19.5/14

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 298.430+/-212.052 χ^2/NDF:9.0/12

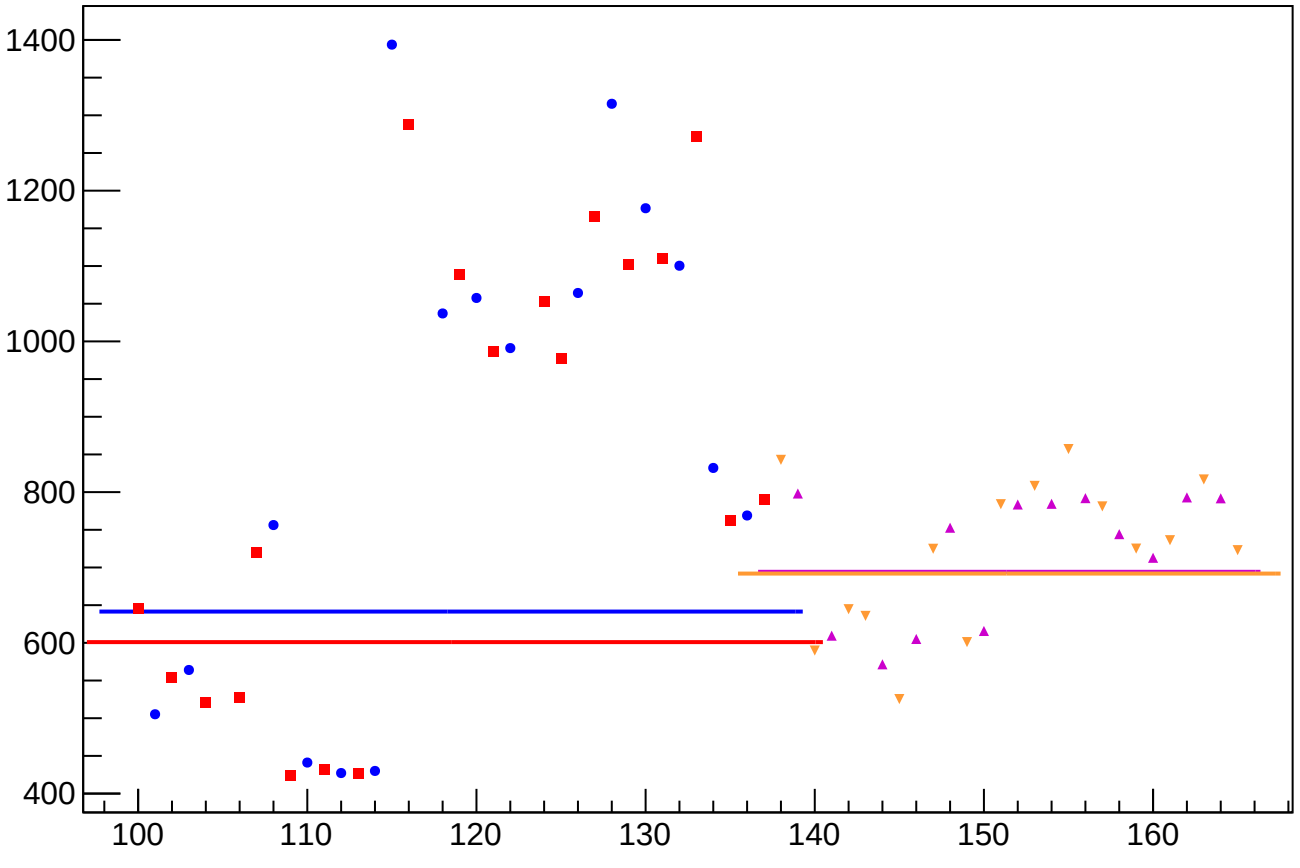
Left: -441.742+/-147.078 χ^2/NDF: 52.0/27

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 165.227+/-163.563 χ^2/NDF:31.8/28

Out: -417.962+/-155.140 χ^2/NDF:61.0/33

All: -141.770+/-112.561 χ^2/NDF: 99.5/62



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 691.914+/-0.144 χ^2/NDF:510977.6/14

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

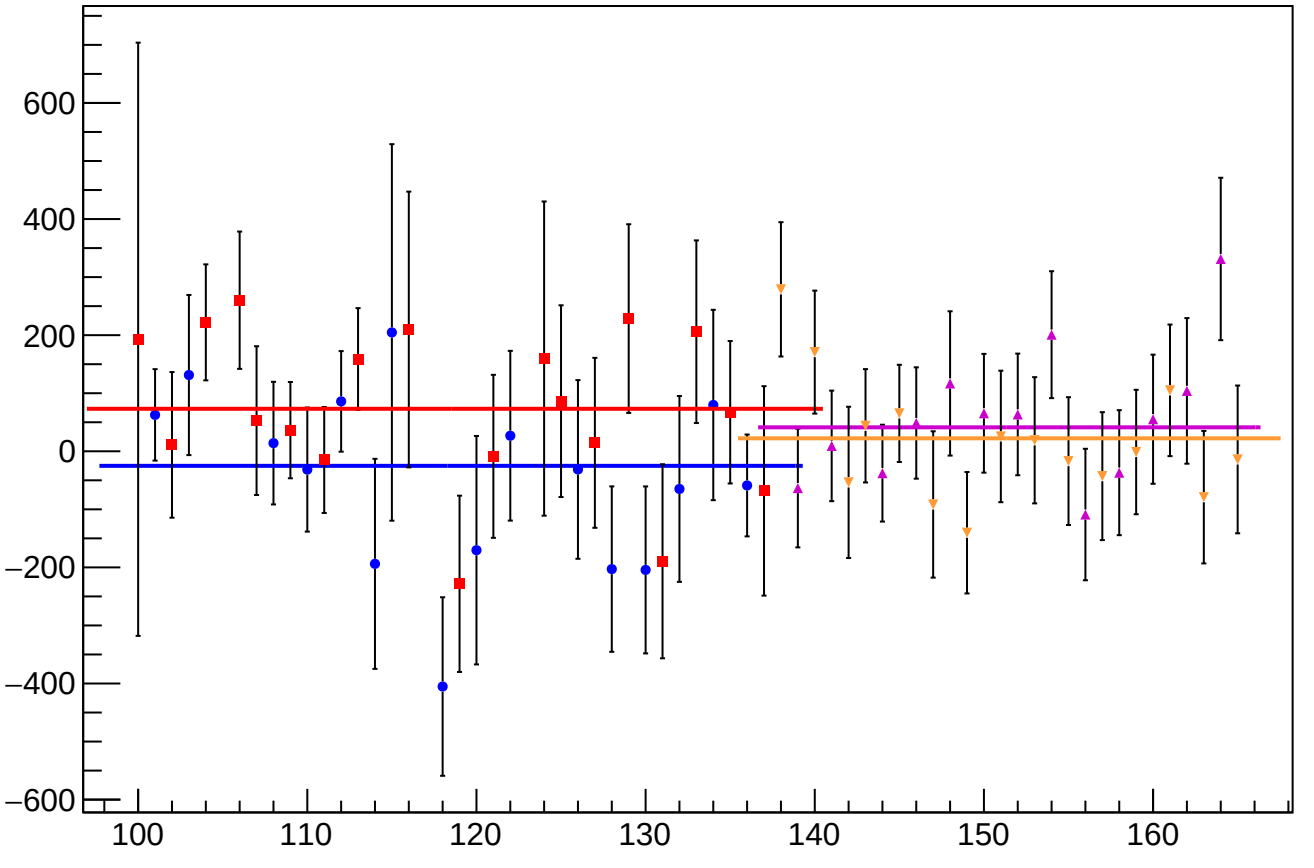
Left: 693.046+/-0.104 χ^2/NDF: 855437.1/27

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 672.897+/-0.116 χ^2/NDF:2269428.2/28

Out: 653.481+/-0.110 χ^2/NDF:2755894.9/33

All: 662.676+/-0.080 χ^2/NDF: 5040159.4/62



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.328+/-28.220 χ^2/NDF:12.7/14

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 41.258+/-29.443 χ^2/NDF:11.5/12

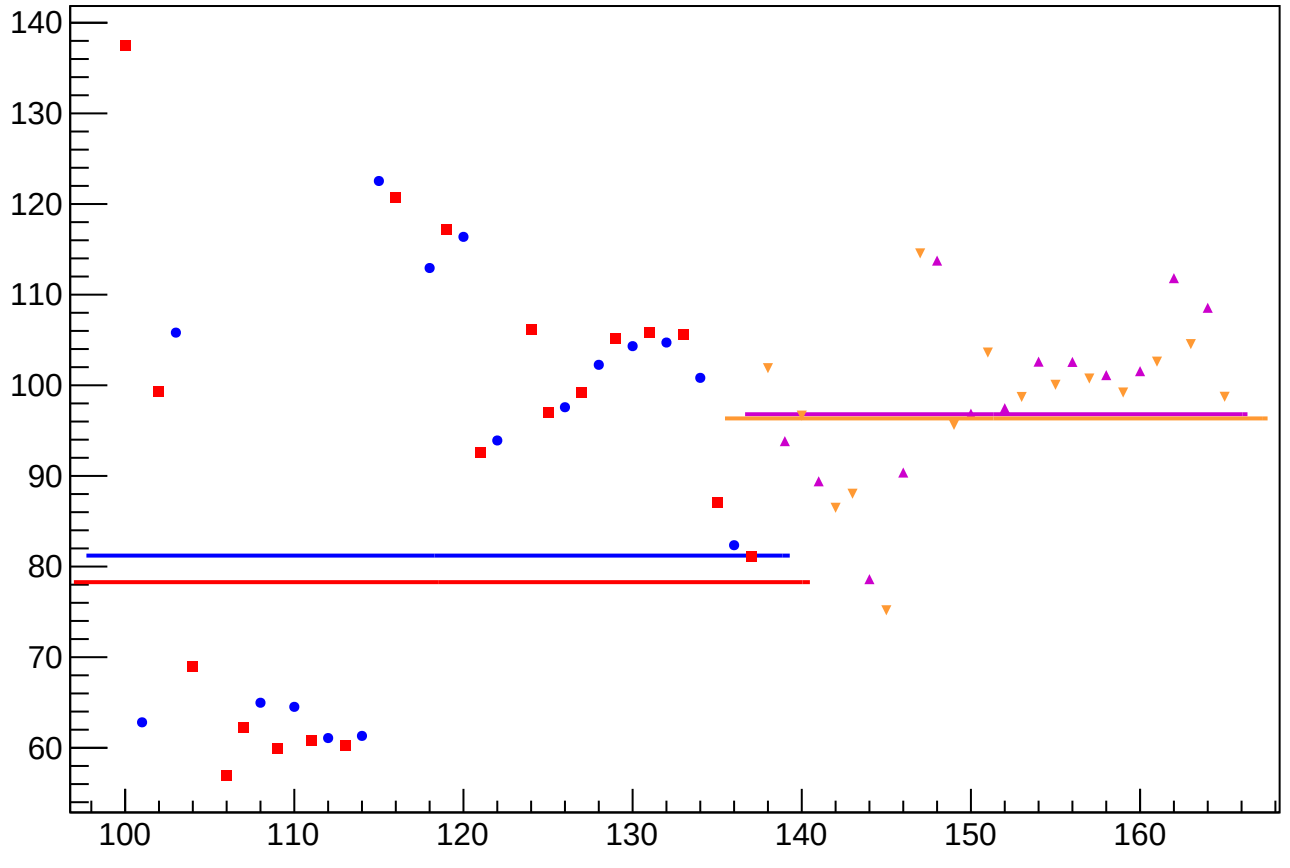
Left: 31.392+/-20.373 χ^2/NDF: 24.4/27

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 10.043+/-21.423 χ^2/NDF:30.1/28

Out: 46.261+/-20.535 χ^2/NDF:31.0/33

All: 28.918+/-14.824 χ^2/NDF: 62.6/62



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

Left: 96.565+/-0.014 χ^2/NDF: 449383.4/27

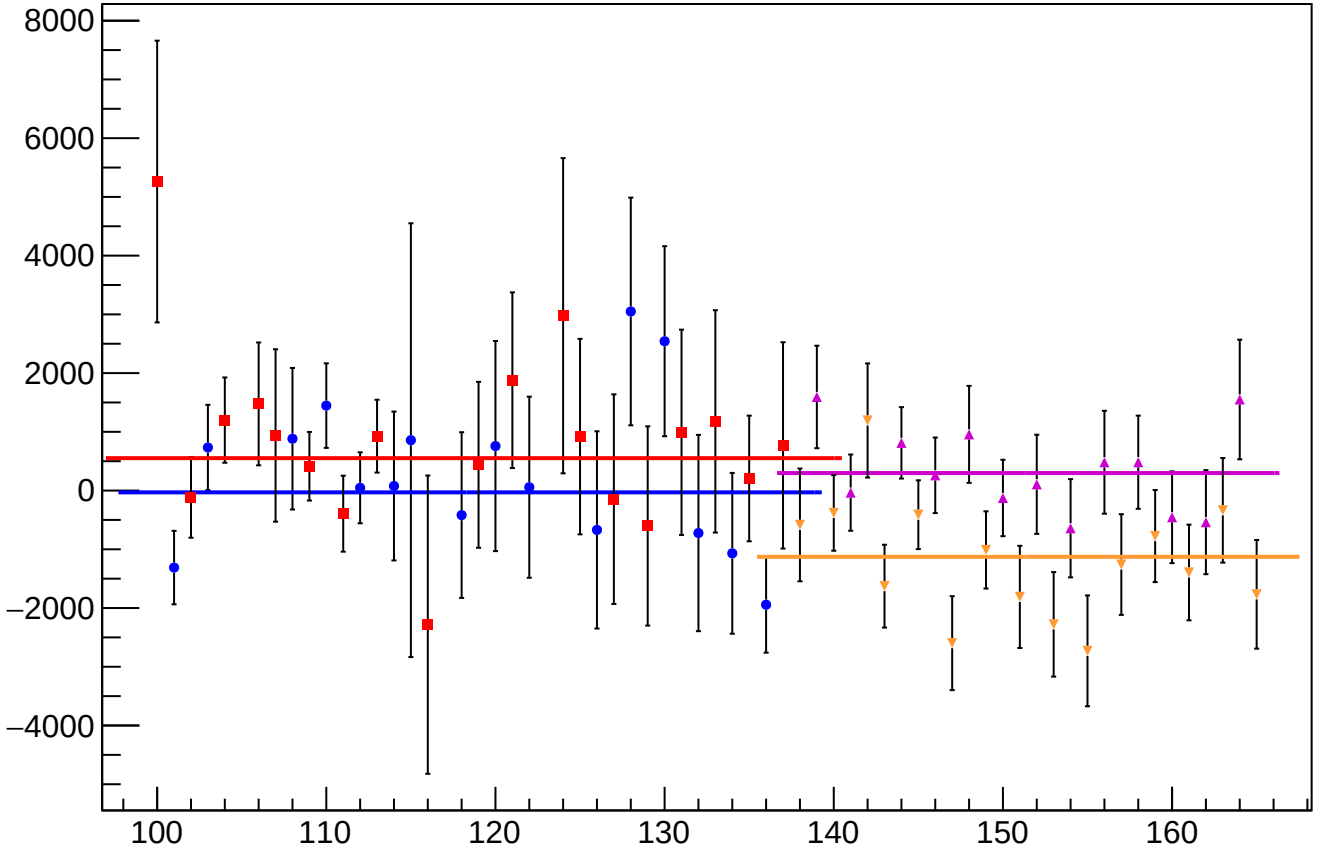
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.466+/-0.015 χ^2/NDF:1267429.5/28

Out: 87.844+/-0.015 χ^2/NDF:1555837.5/33

All: 88.621+/-0.010 χ^2/NDF: 2829242.6/62

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: -1127.932+/-204.173 χ^2/NDF:19.5/14

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 298.430+/-212.052 χ^2/NDF:9.0/12

Left: -441.742+/-147.078 χ^2/NDF: 52.0/27

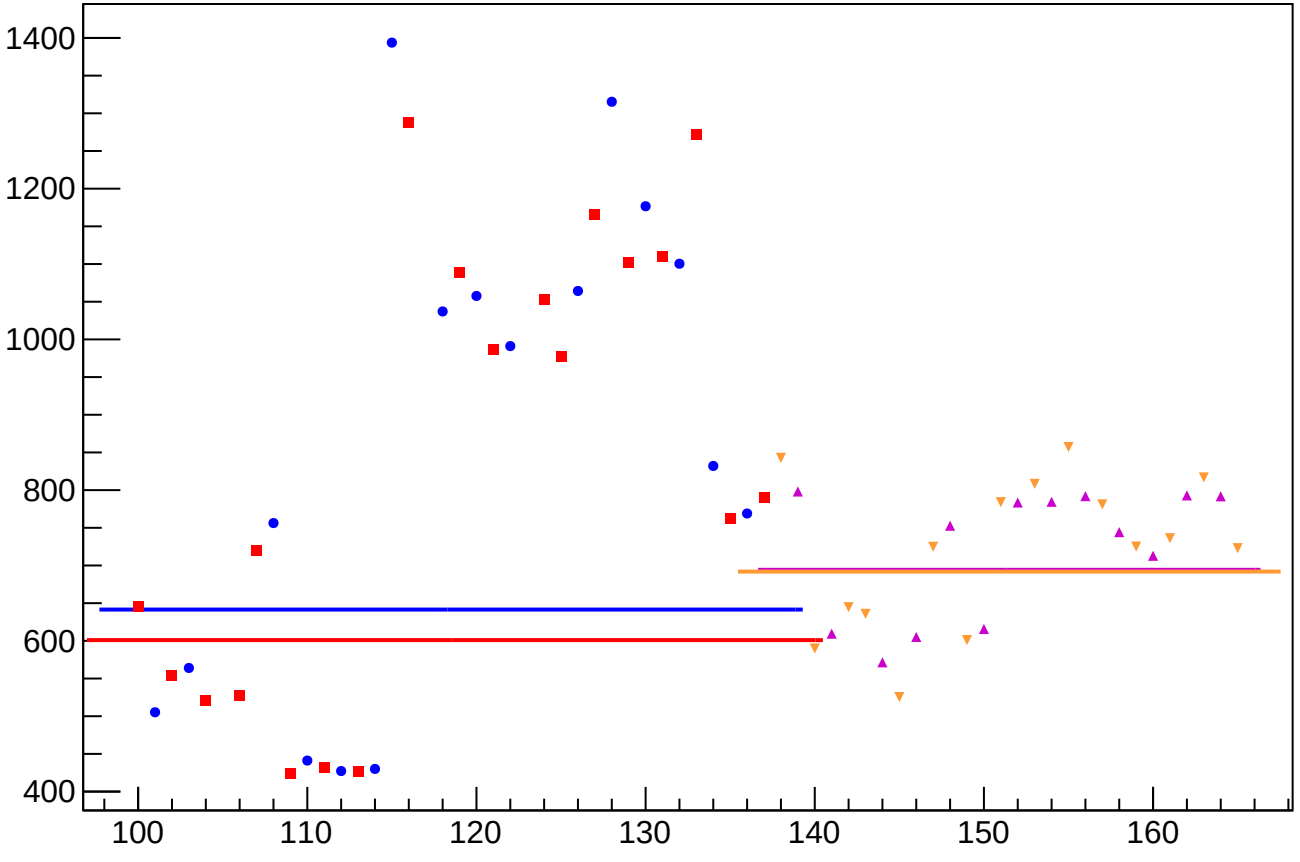
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 165.227+/-163.563 χ^2/NDF:31.8/28

Out: -417.962+/-155.140 χ^2/NDF:61.0/33

All: -141.770+/-112.561 χ^2/NDF: 99.5/62

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 691.914+/-0.144 χ^2/NDF:510977.6/14

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

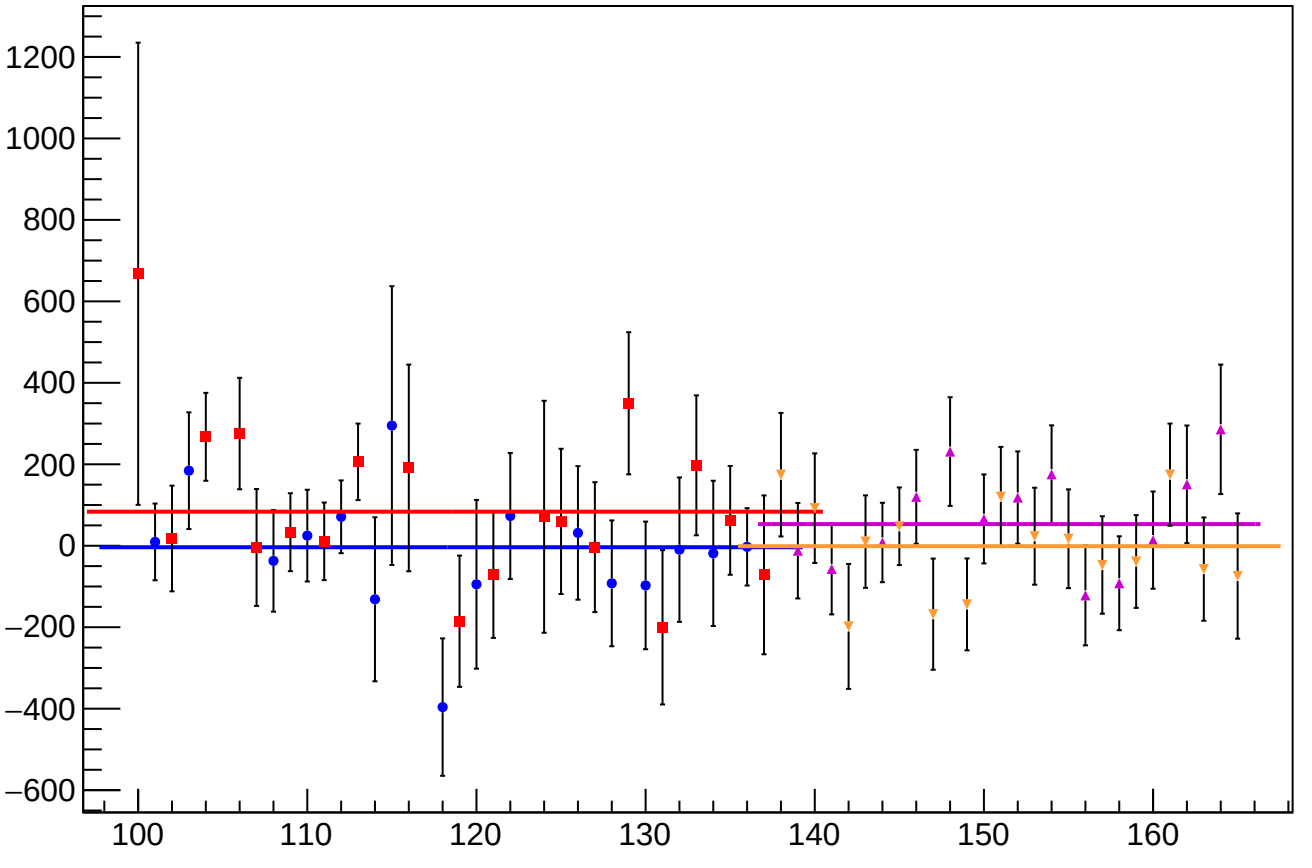
Left: 693.046+/-0.104 χ^2/NDF: 855437.1/27

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 672.897+/-0.116 χ^2/NDF:2269428.2/28

Out: 653.481+/-0.110 χ^2/NDF:2755894.9/33

All: 662.676+/-0.080 χ^2/NDF: 5040159.4/62



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -1.020+/-31.911 χ^2/NDF:10.5/14

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 53.110+/-32.972 χ^2/NDF:11.3/12

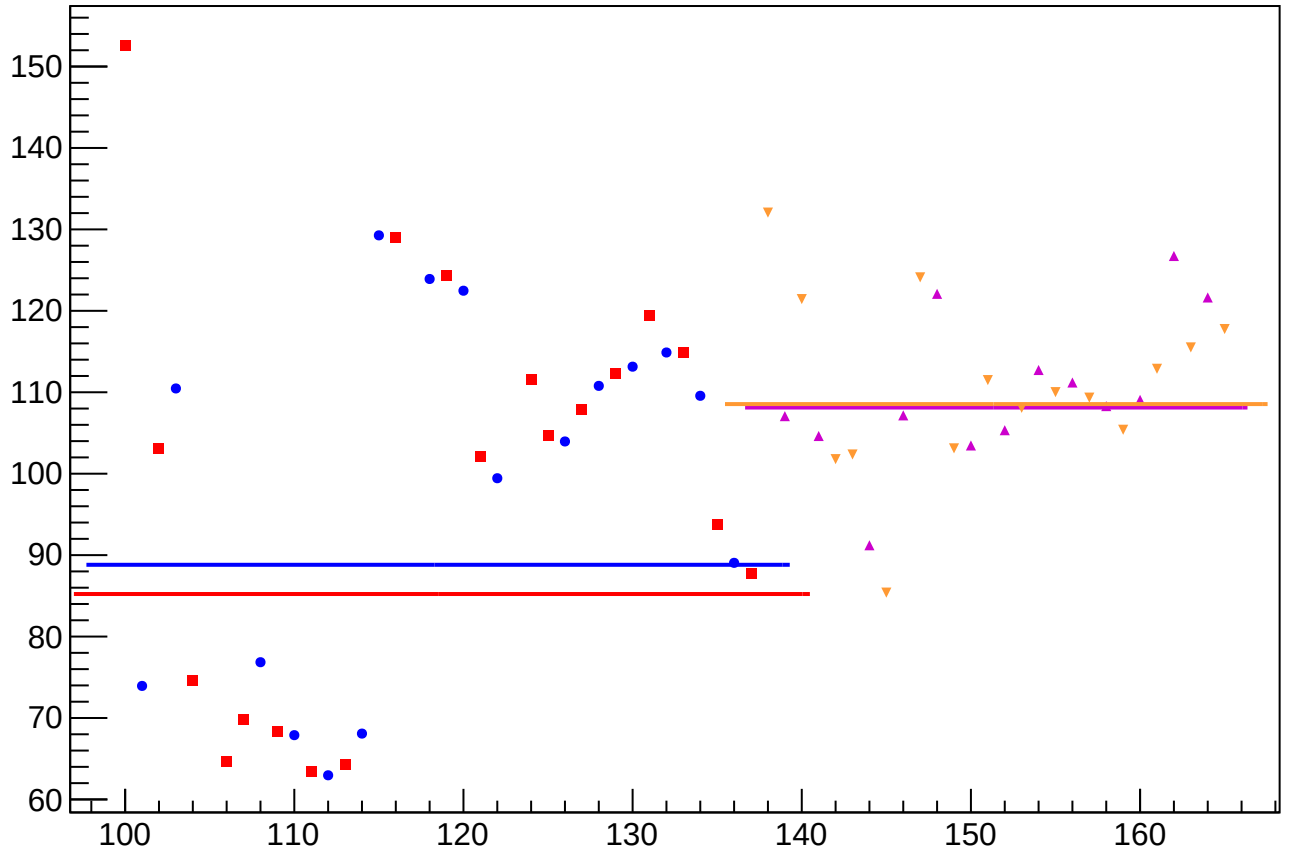
Left: 25.161+/-22.930 χ^2/NDF: 23.3/27

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.735+/-23.721 χ^2/NDF:23.1/28

Out: 40.382+/-22.815 χ^2/NDF:33.0/33

All: 33.344+/-16.444 χ^2/NDF: 56.3/62



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.548+/-0.023 χ^2/NDF:243756.7/14

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.124+/-0.023 χ^2/NDF:141257.2/12

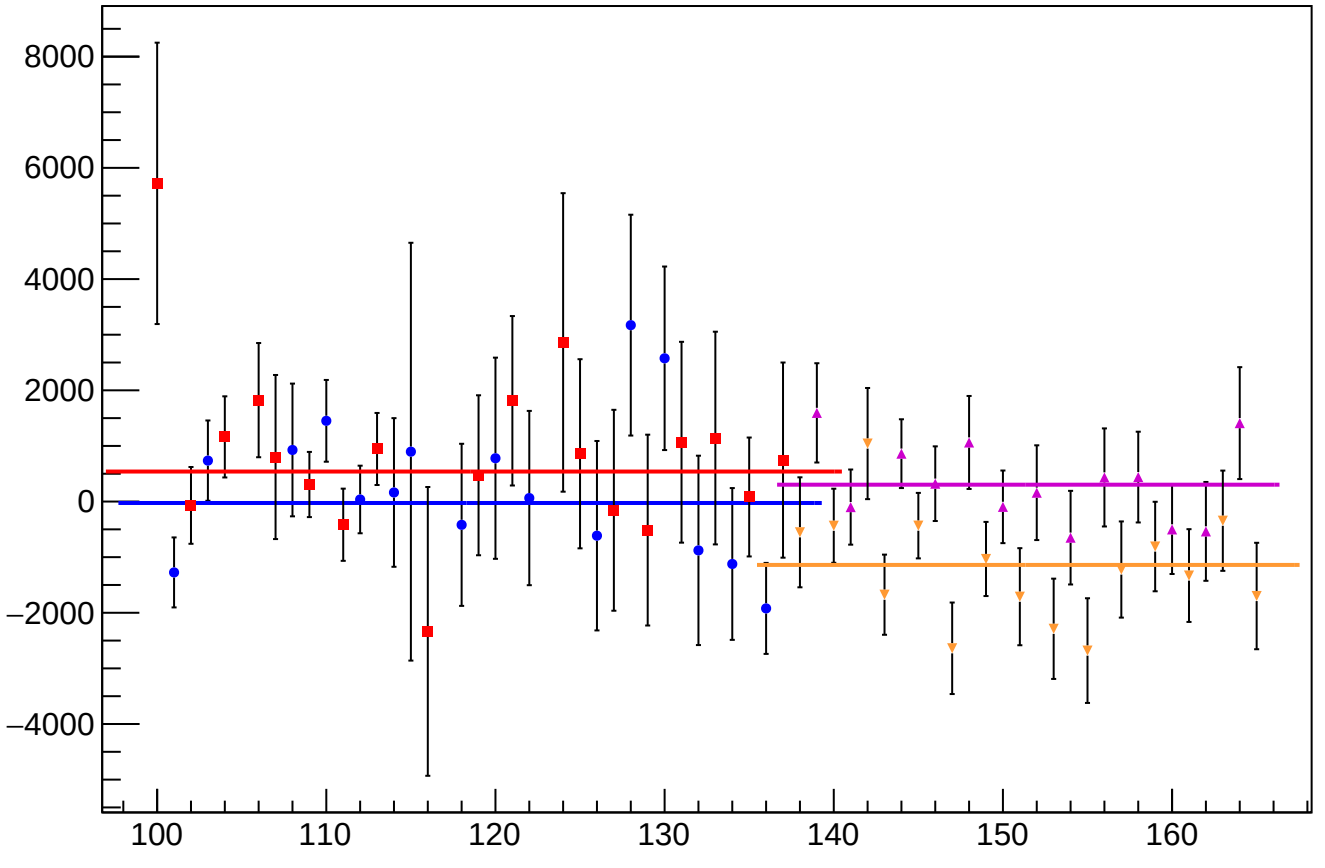
Left: 108.343+/-0.016 χ^2/NDF: 385185.3/27

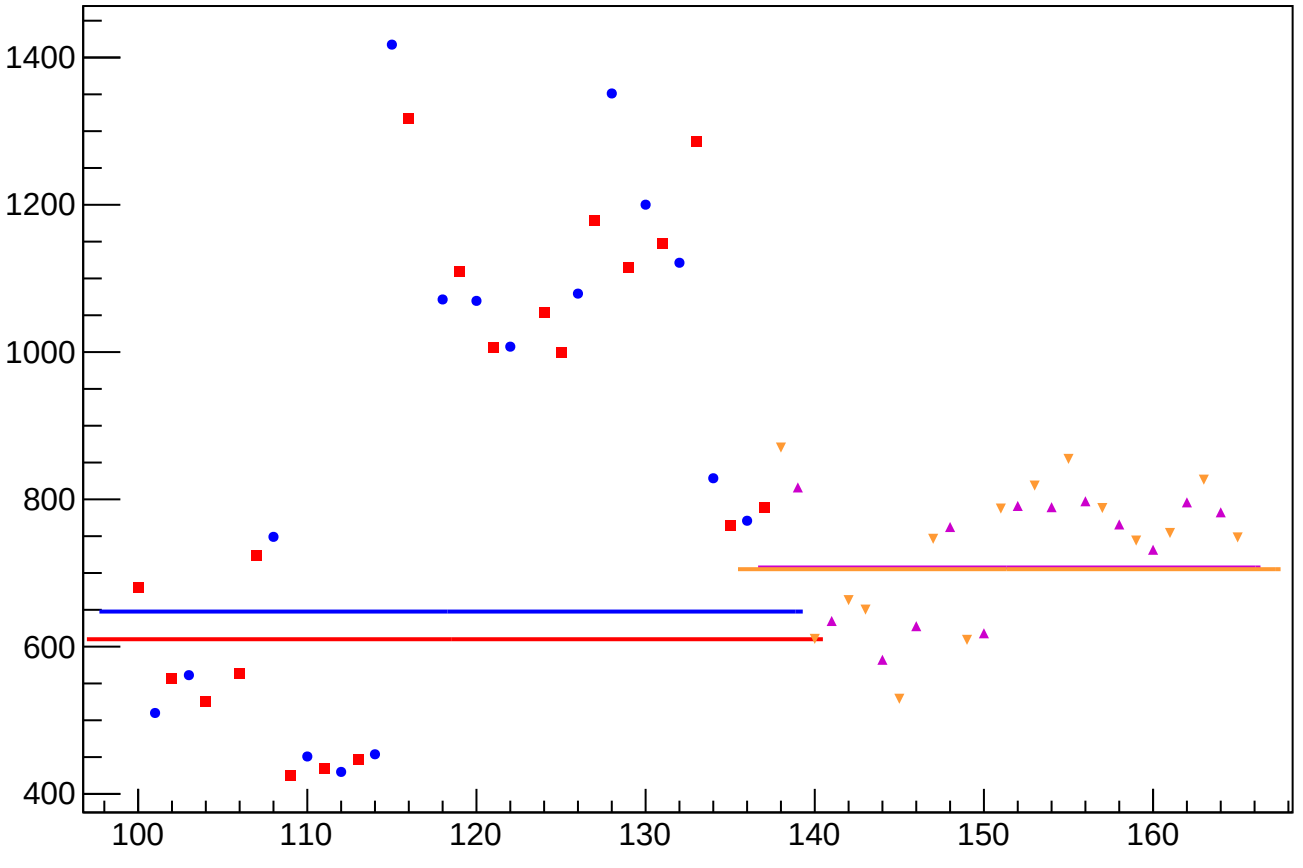
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 98.808+/-0.017 χ^2/NDF:1196808.7/28

Out: 97.147+/-0.016 χ^2/NDF:1650097.2/33

All: 97.945+/-0.012 χ^2/NDF: 2851999.2/62


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -1139.602+/-207.919 χ²/NDF:17.7/14
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 303.100+/-215.949 χ²/NDF:8.9/12
Left: -445.573+/-149.779 χ²/NDF: 49.7/27
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 168.478+/-165.965 χ²/NDF:31.4/28
Out: -423.871+/-157.494 χ²/NDF:59.1/33
All: -143.199+/-114.243 χ²/NDF: 97.2/62



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 705.175+/-0.147 χ^2/NDF:507128.3/14

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 707.475+/-0.153 χ^2/NDF:311175.2/12

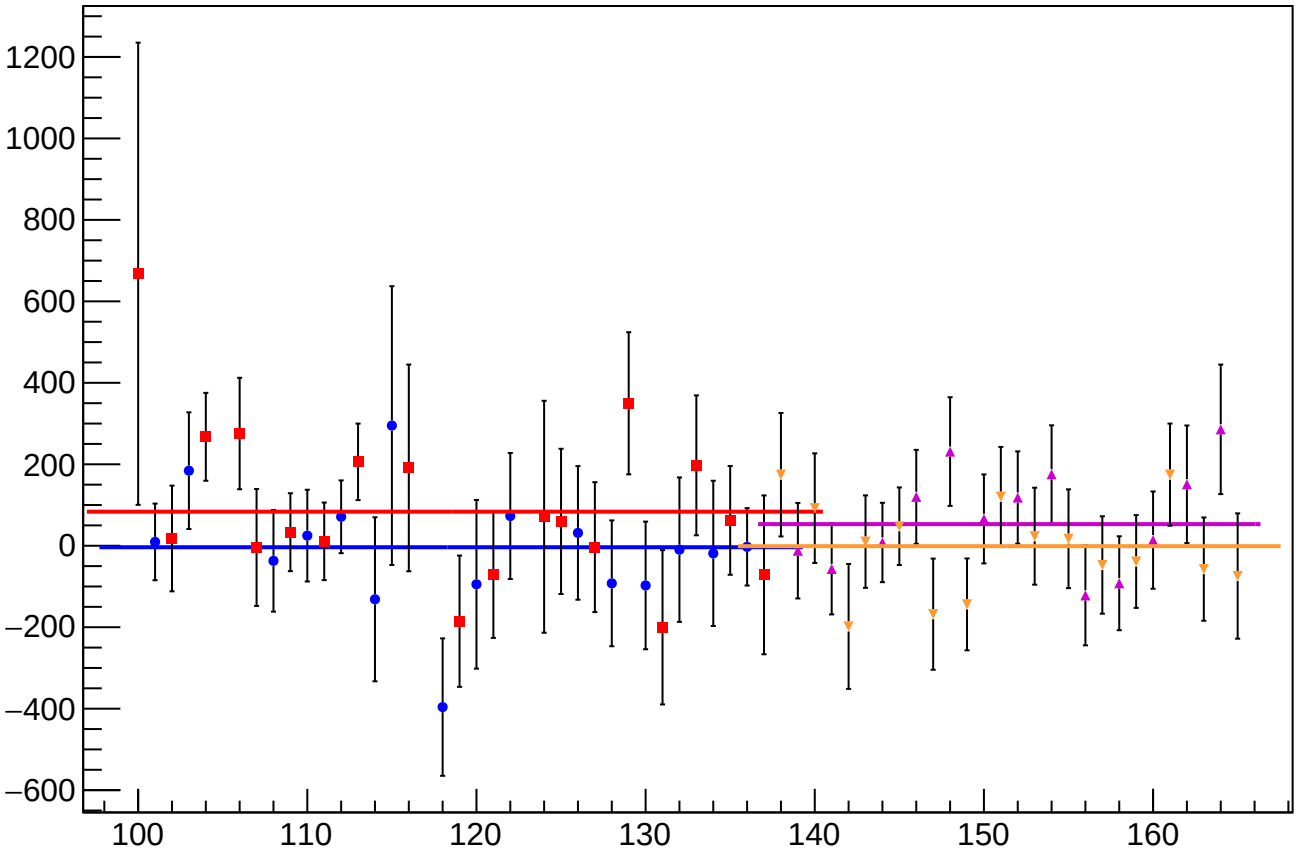
Left: 706.282+/-0.106 χ^2/NDF: 818421.3/27

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 682.982+/-0.117 χ^2/NDF:2261844.1/28

Out: 664.635+/-0.111 χ^2/NDF:2759767.9/33

All: 673.328+/-0.081 χ^2/NDF: 5034472.5/62



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -1.018+/-31.911 χ^2/NDF:10.5/14

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 53.110+/-32.972 χ^2/NDF:11.3/12

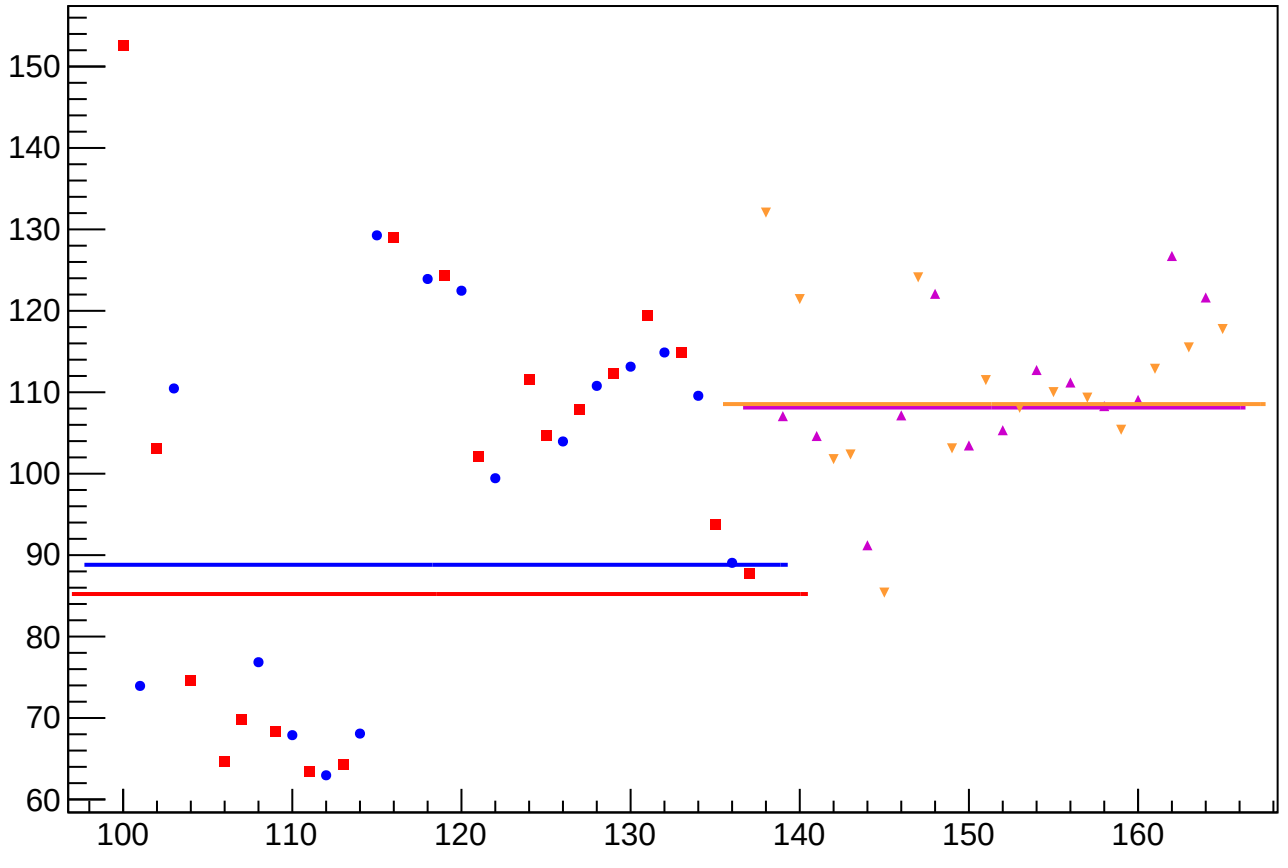
Left: 25.161+/-22.930 χ^2/NDF: 23.3/27

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.736+/-23.721 χ^2/NDF:23.1/28

Out: 40.383+/-22.815 χ^2/NDF:33.0/33

All: 33.344+/-16.444 χ^2/NDF: 56.3/62



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.549+/-0.023 χ^2/NDF:243755.2/14

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.124+/-0.023 χ^2/NDF:141255.3/12

Left: 108.343+/-0.016 χ^2/NDF: 385181.9/27

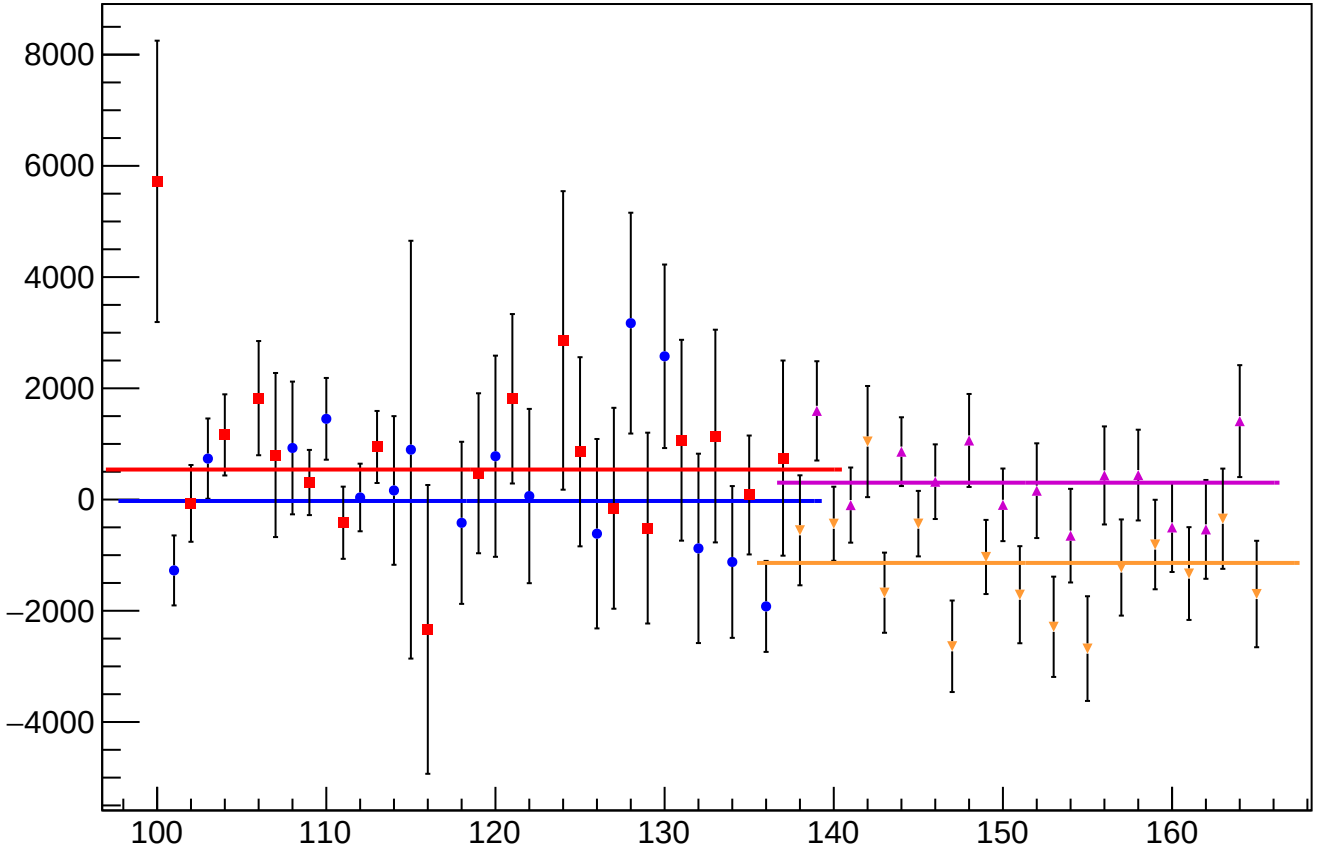
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 98.808+/-0.017 χ^2/NDF:1196813.9/28

Out: 97.147+/-0.016 χ^2/NDF:1650107.7/33

All: 97.945+/-0.012 χ^2/NDF: 2852015.0/62

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: -1139.600+/-207.919 χ^2/NDF:17.7/14

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 303.099+/-215.949 χ^2/NDF:8.9/12

Left: -445.572+/-149.779 χ^2/NDF: 49.7/27

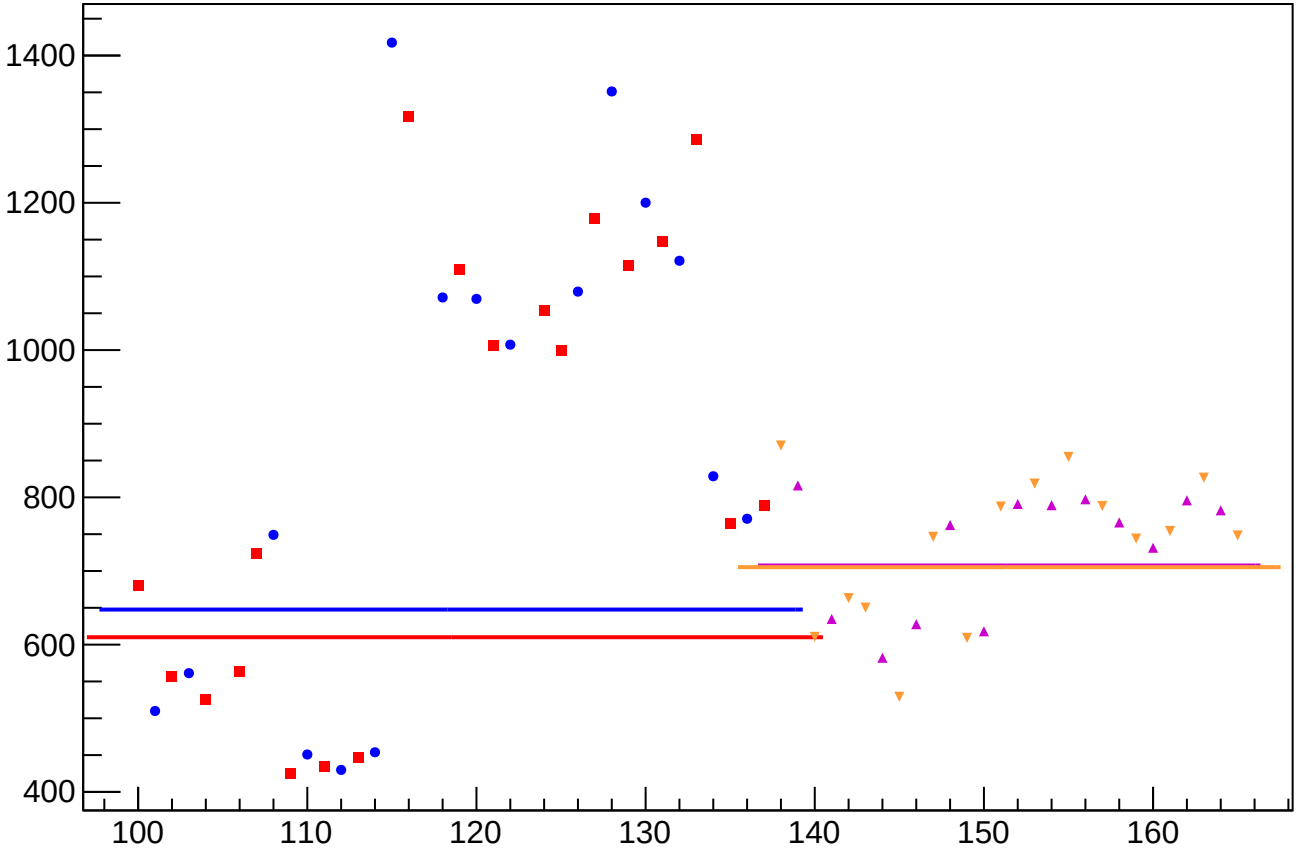
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 168.478+/-165.965 χ^2/NDF:31.4/28

Out: -423.870+/-157.494 χ^2/NDF:59.1/33

All: -143.198+/-114.243 χ^2/NDF: 97.2/62

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: 705.175+/-0.147 χ^2/NDF:507129.1/14

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 707.475+/-0.153 χ^2/NDF:311172.6/12

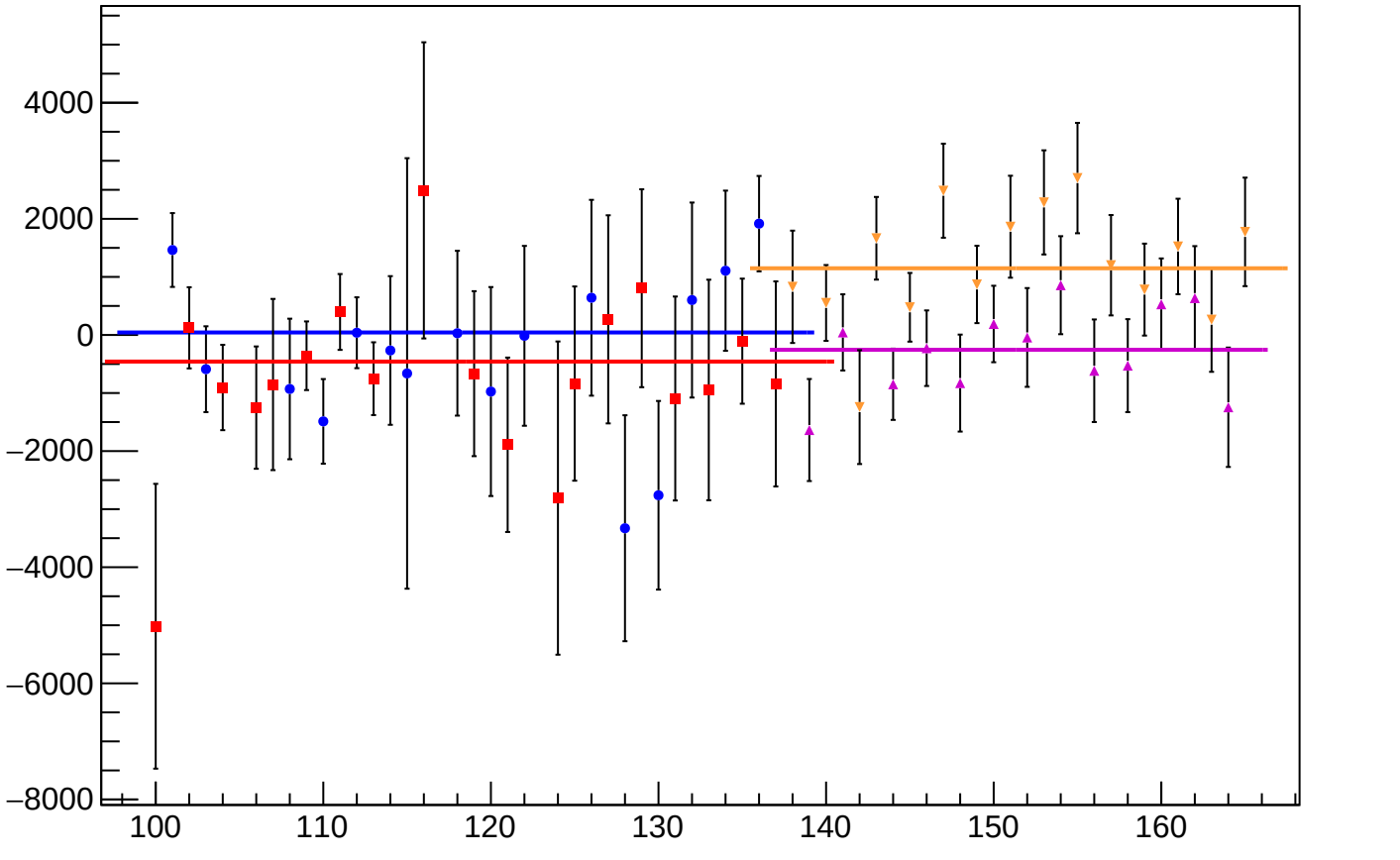
Left: 706.281+/-0.106 χ^2/NDF: 818419.5/27

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 682.982+/-0.117 χ^2/NDF:2261847.3/28

Out: 664.634+/-0.111 χ^2/NDF:2759772.9/33

All: 673.328+/-0.081 χ^2/NDF: 5034480.9/62



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1148.645+/-206.234 χ^2/NDF:18.4/14

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -255.410+/-214.176 χ^2/NDF:9.5/12

Left: 473.133+/-148.558 χ^2/NDF: 50.2/27

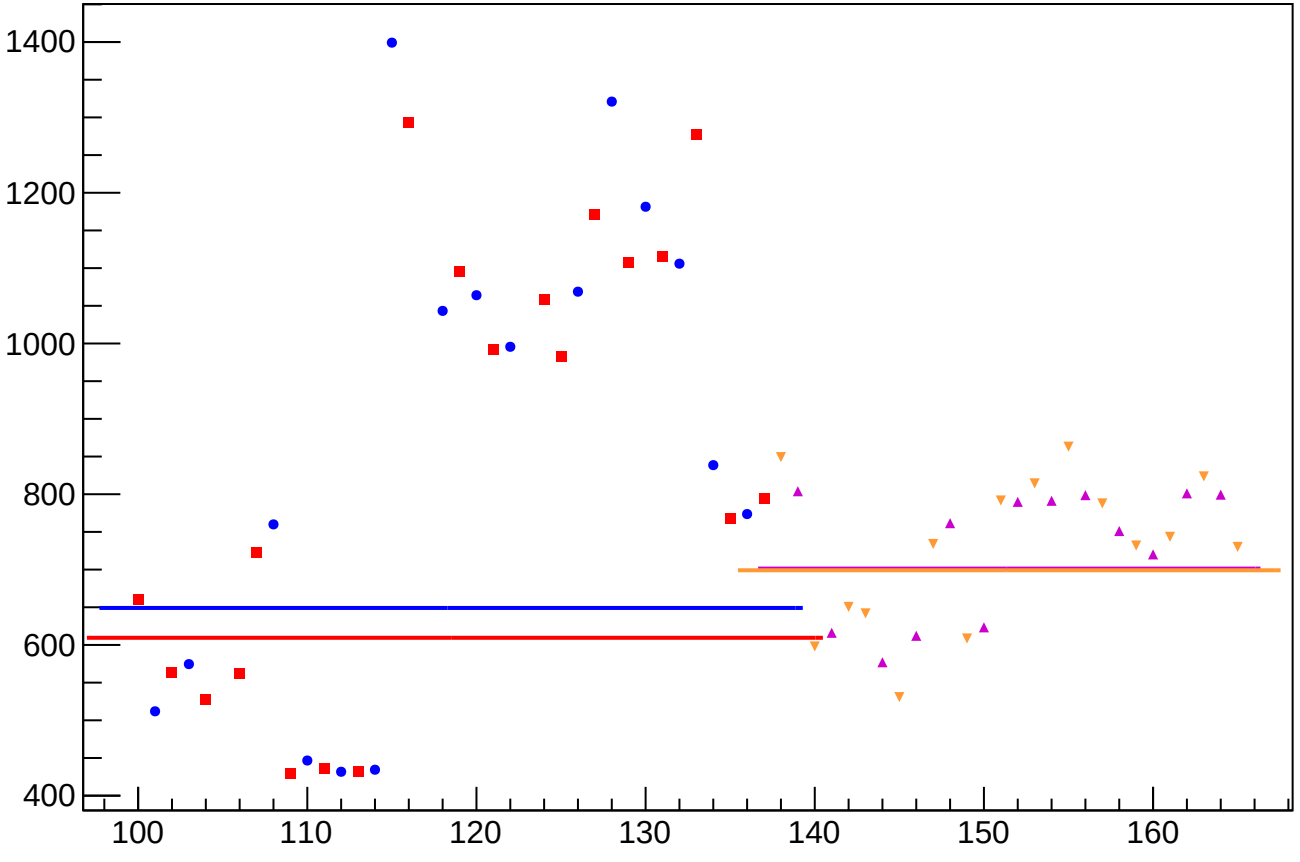
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -134.602+/-165.258 χ^2/NDF:33.5/28

Out: 469.803+/-156.725 χ^2/NDF:55.3/33

All: 183.607+/-113.718 χ^2/NDF: 95.9/62

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 699.085+/-0.146 χ^2/NDF:502287.2/14

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 701.343+/-0.151 χ^2/NDF:339733.0/12

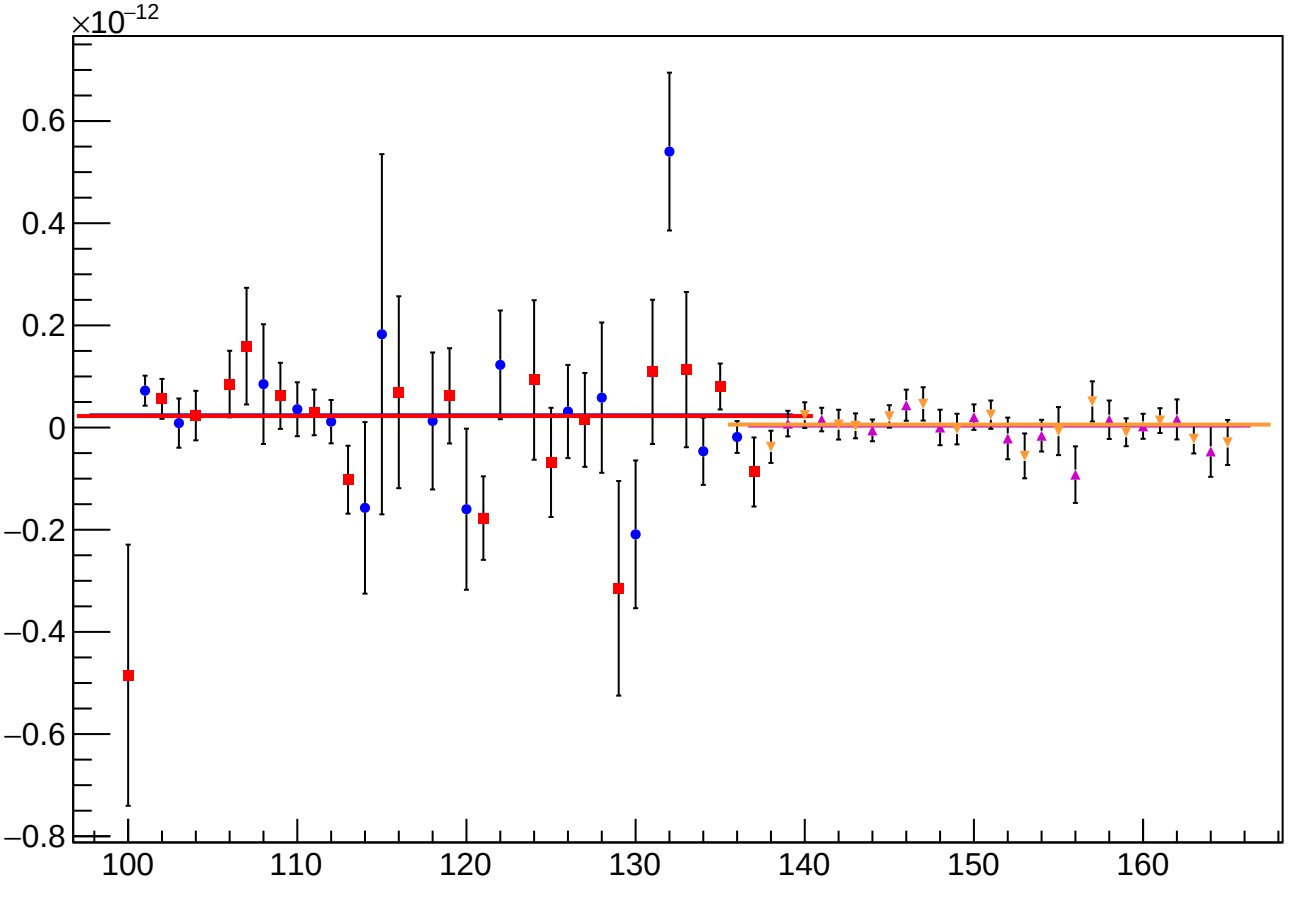
Left: 700.171+/-0.105 χ^2/NDF: 842135.6/27

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 680.200+/-0.117 χ^2/NDF:2233717.2/28

Out: 661.243+/-0.111 χ^2/NDF:2705259.9/33

All: 670.219+/-0.080 χ^2/NDF: 4952833.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

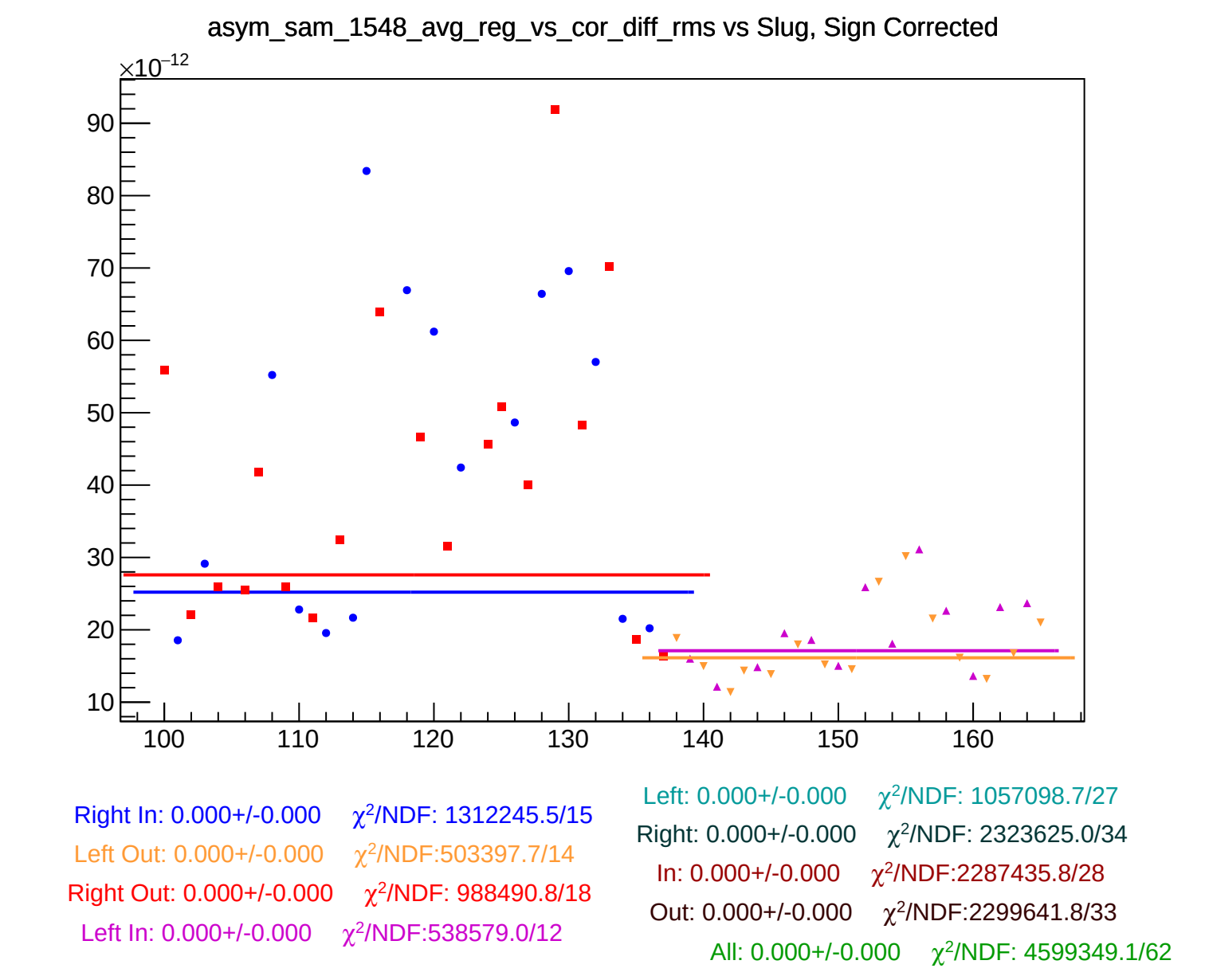
Left: 0.000+/-0.000 χ^2/NDF: 18.2/27

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:32.6/28

Out: 0.000+/-0.000 χ^2/NDF:37.0/33

All: 0.000+/-0.000 χ^2/NDF: 69.6/62


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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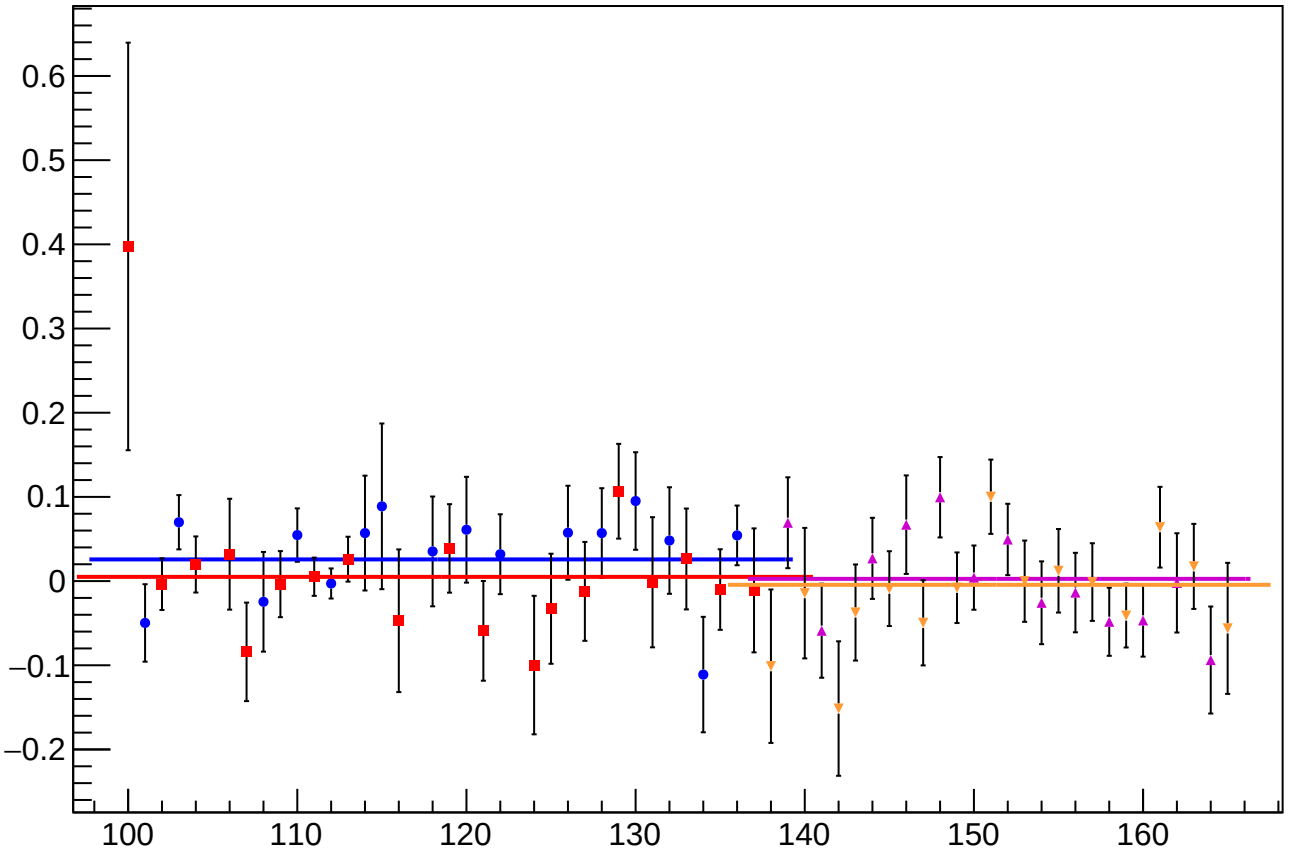
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:503397.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:538579.0/12
Left: 0.000+/-0.000 χ²/NDF: 1057098.7/27
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2287435.8/28
Out: 0.000+/-0.000 χ²/NDF:2299641.8/33
All: 0.000+/-0.000 χ²/NDF: 4599349.1/62



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

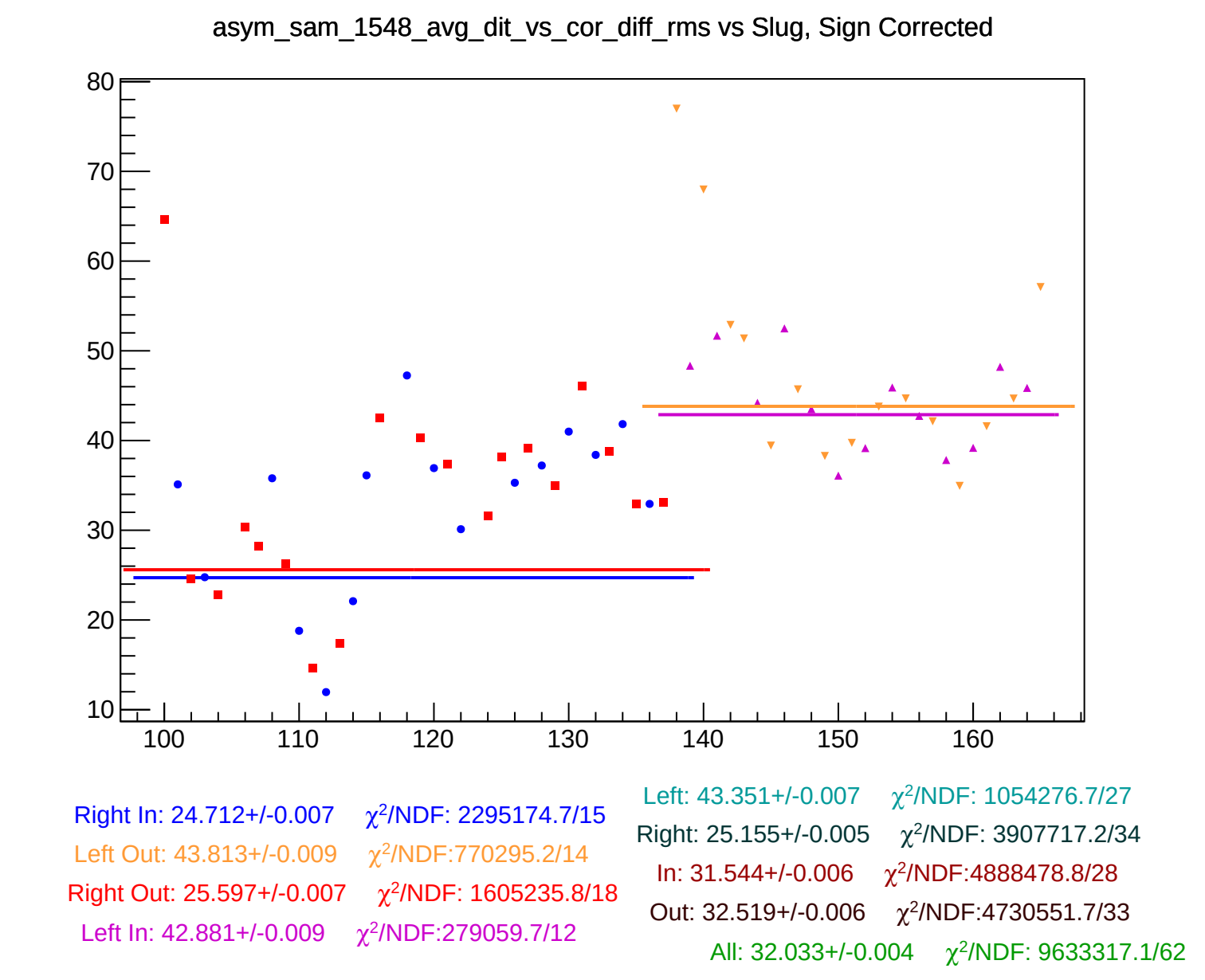
Left: -0.001+/-0.009 χ^2/NDF: 30.4/27

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.001+/-0.008 χ^2/NDF:28.9/33

All: 0.009+/-0.006 χ^2/NDF: 64.4/62


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
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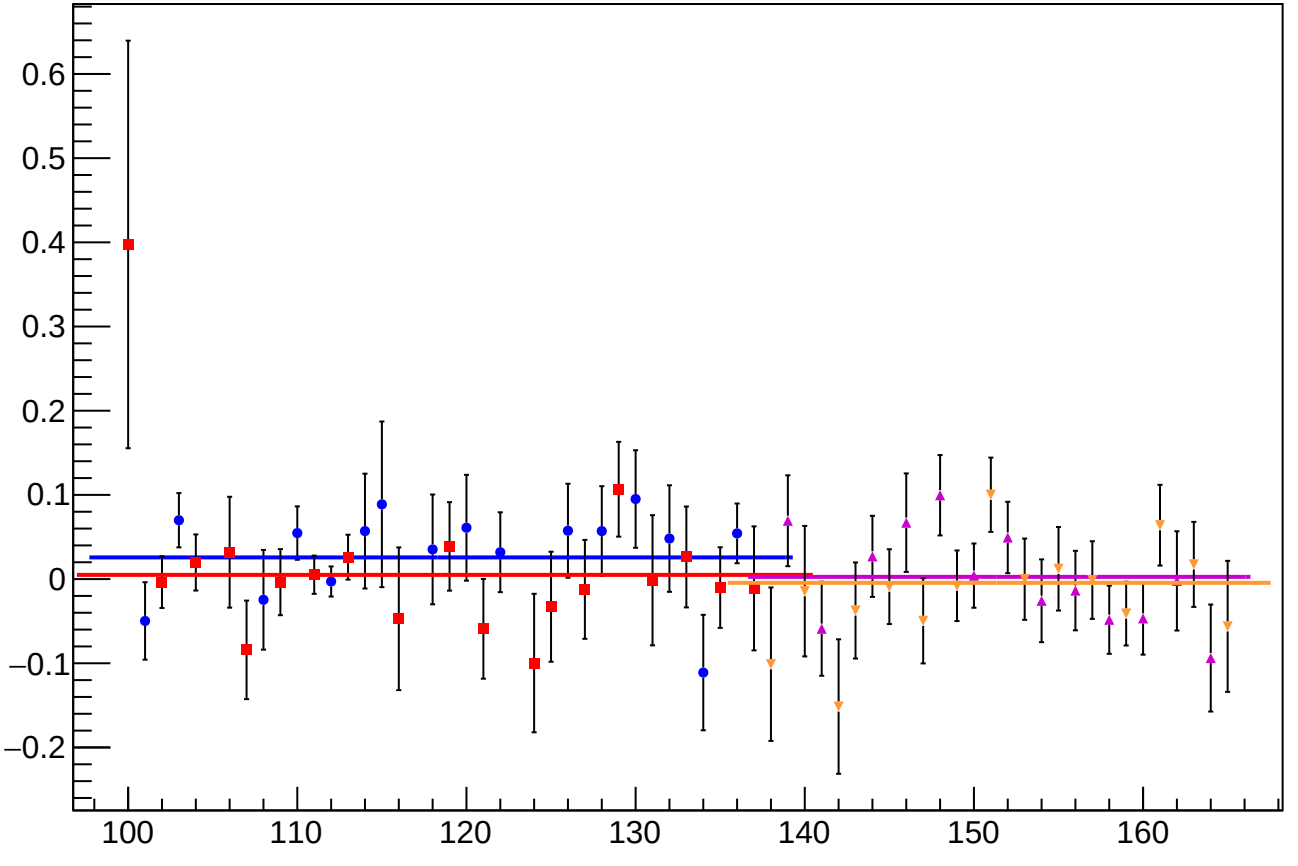
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.813+/-0.009 χ²/NDF:770295.2/14
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.881+/-0.009 χ²/NDF:279059.7/12
Left: 43.351+/-0.007 χ²/NDF: 1054276.7/27
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.544+/-0.006 χ²/NDF:4888478.8/28
Out: 32.519+/-0.006 χ²/NDF:4730551.7/33
All: 32.033+/-0.004 χ²/NDF: 9633317.1/62

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

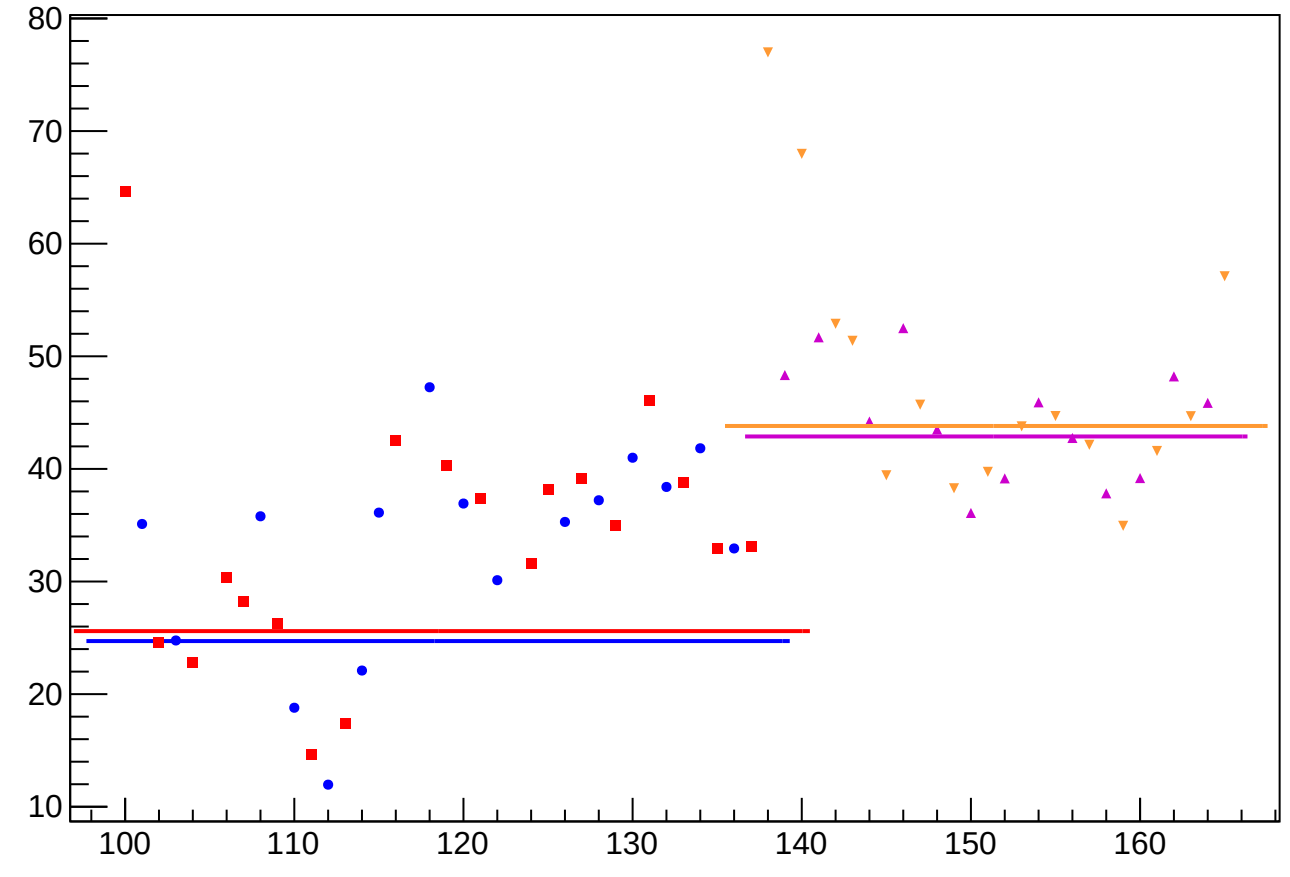
Left: -0.001+/-0.009 χ^2/NDF: 30.4/27

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.001+/-0.008 χ^2/NDF:28.9/33

All: 0.009+/-0.006 χ^2/NDF: 64.4/62



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.813+/-0.009 χ^2/NDF:770295.2/14

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.881+/-0.009 χ^2/NDF:279059.7/12

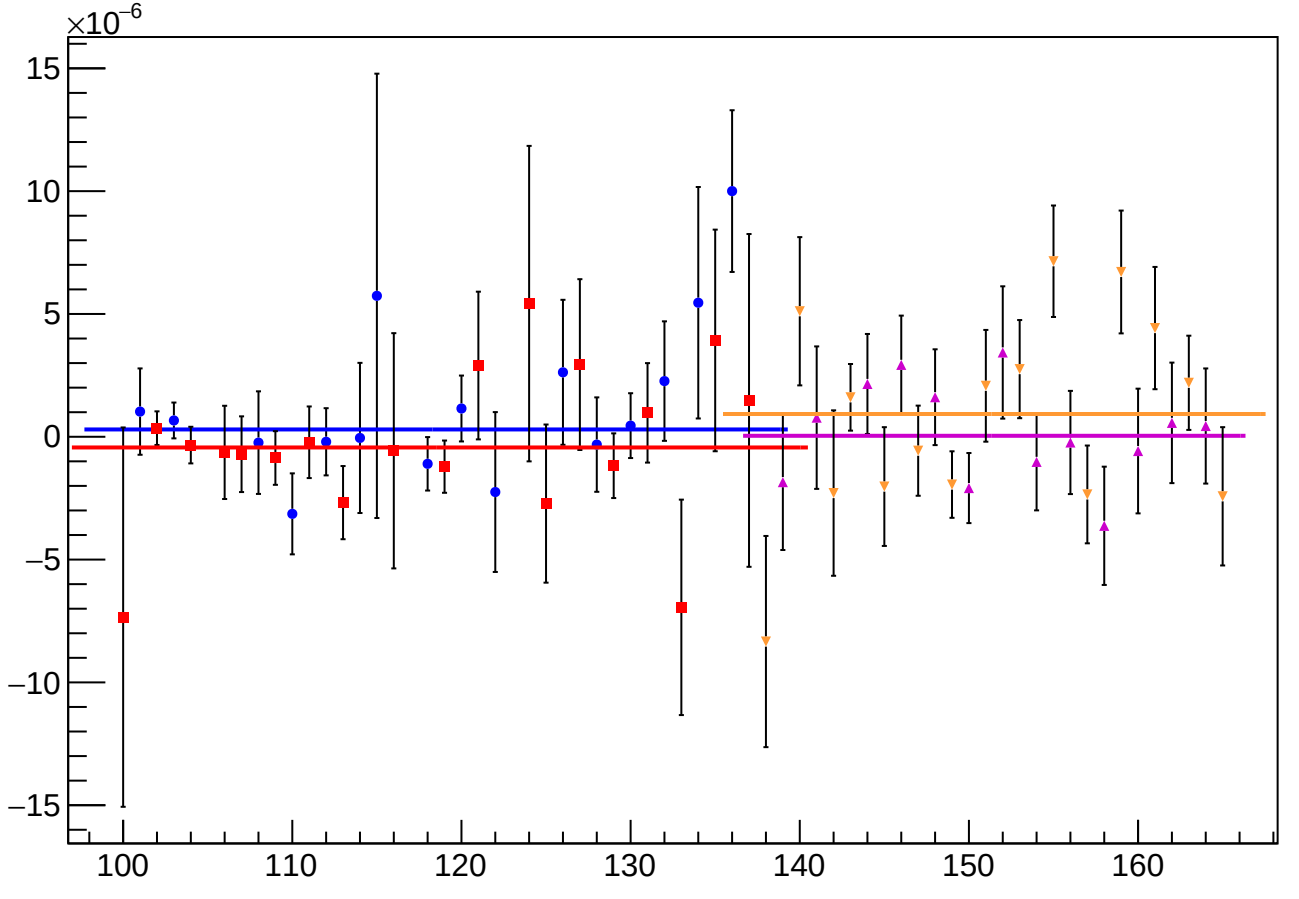
Left: 43.351+/-0.007 χ^2/NDF: 1054276.7/27

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 31.544+/-0.006 χ^2/NDF:4888478.8/28

Out: 32.519+/-0.006 χ^2/NDF:4730551.7/33

All: 32.033+/-0.004 χ^2/NDF: 9633317.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/12

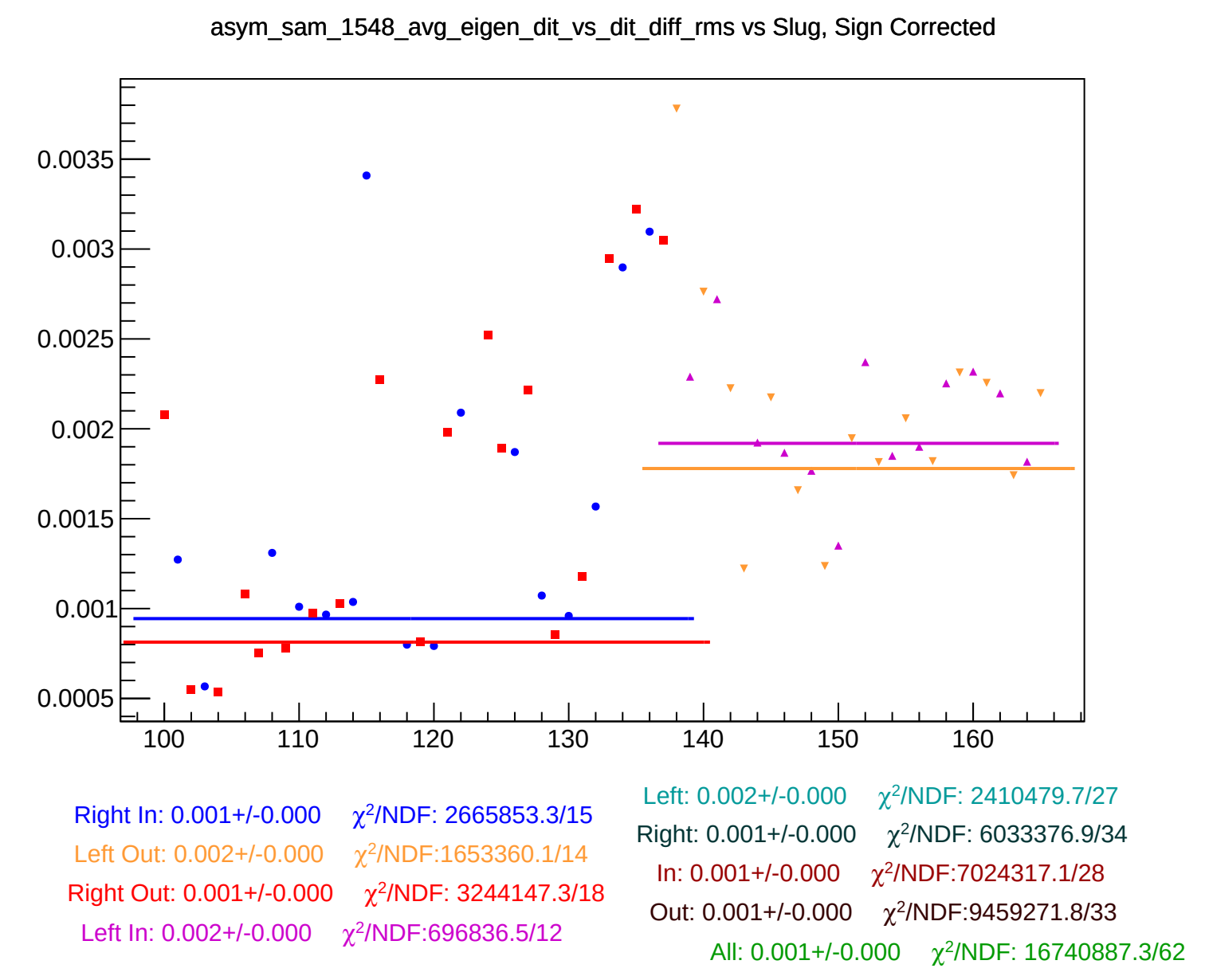
Left: 0.000+/-0.000 χ^2/NDF: 47.0/27

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

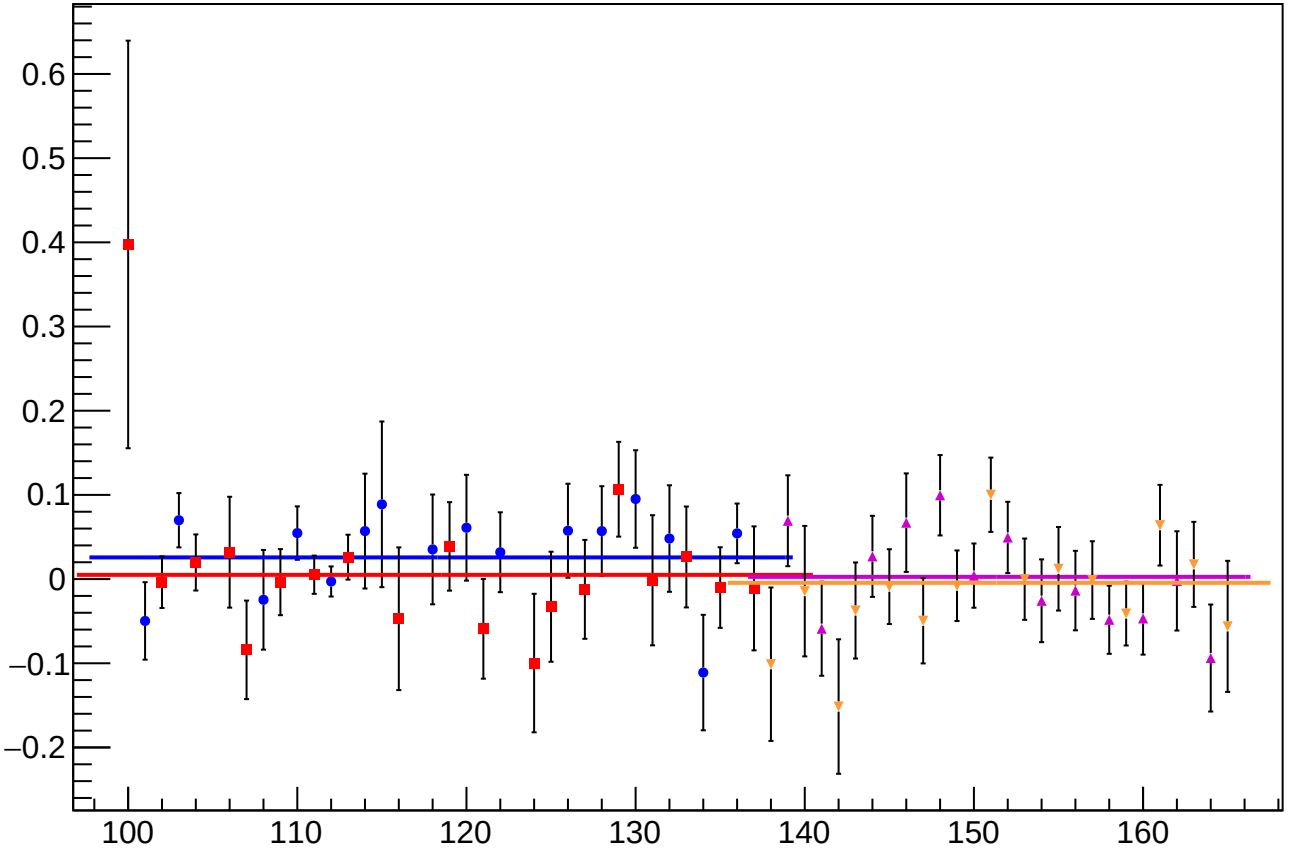
In: 0.000+/-0.000 χ^2/NDF:30.3/28

Out: -0.000+/-0.000 χ^2/NDF:52.1/33

All: 0.000+/-0.000 χ^2/NDF: 82.8/62


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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1653360.1/14
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:696836.5/12
Left: 0.002+/-0.000 χ²/NDF: 2410479.7/27
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:7024317.1/28
Out: 0.001+/-0.000 χ²/NDF:9459271.8/33
All: 0.001+/-0.000 χ²/NDF: 16740887.3/62

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

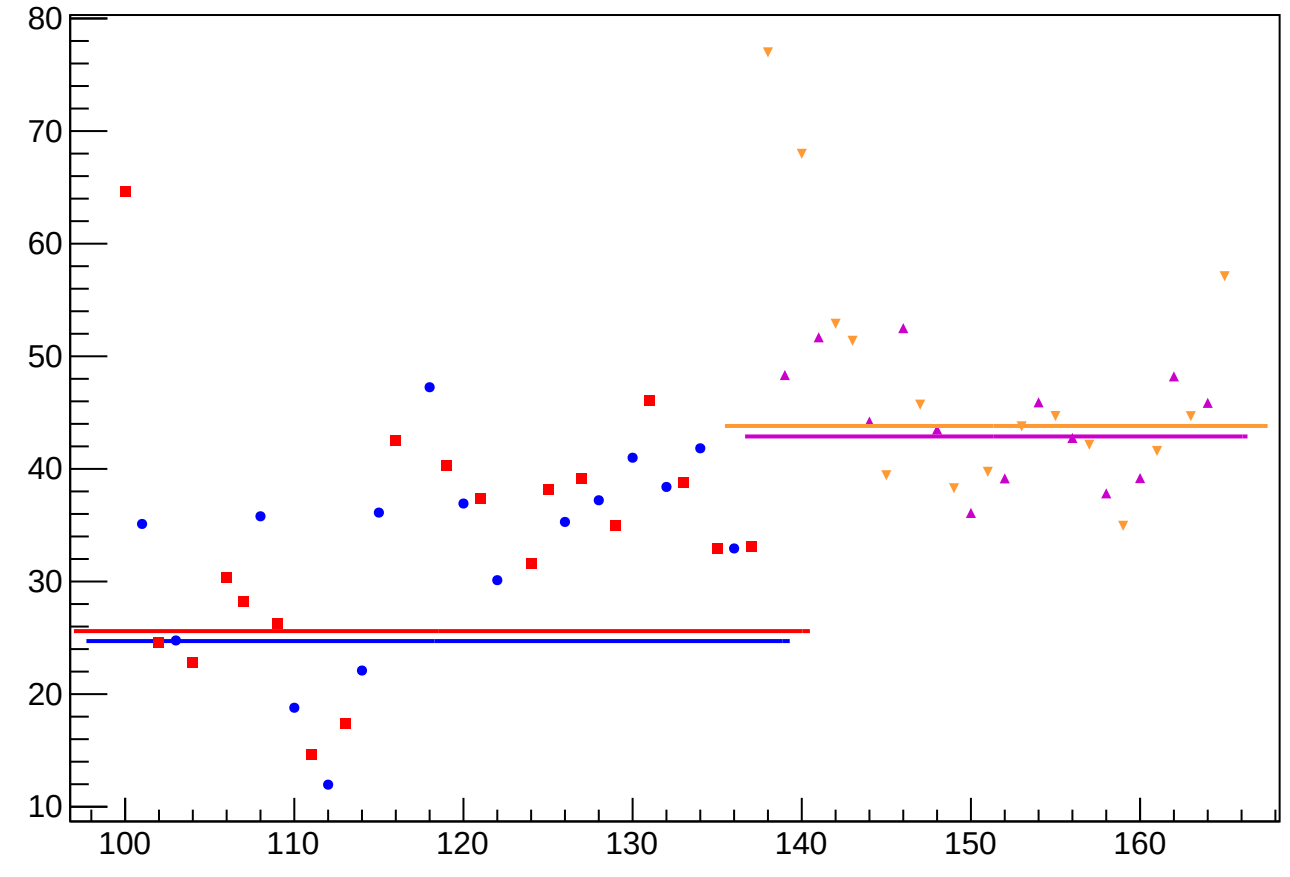
Left: -0.001+/-0.009 χ^2/NDF: 30.4/27

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.001+/-0.008 χ^2/NDF:28.9/33

All: 0.009+/-0.006 χ^2/NDF: 64.4/62



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.813+/-0.009 χ^2/NDF:770293.6/14

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.882+/-0.009 χ^2/NDF:279065.2/12

Left: 43.352+/-0.007 χ^2/NDF: 1054280.5/27

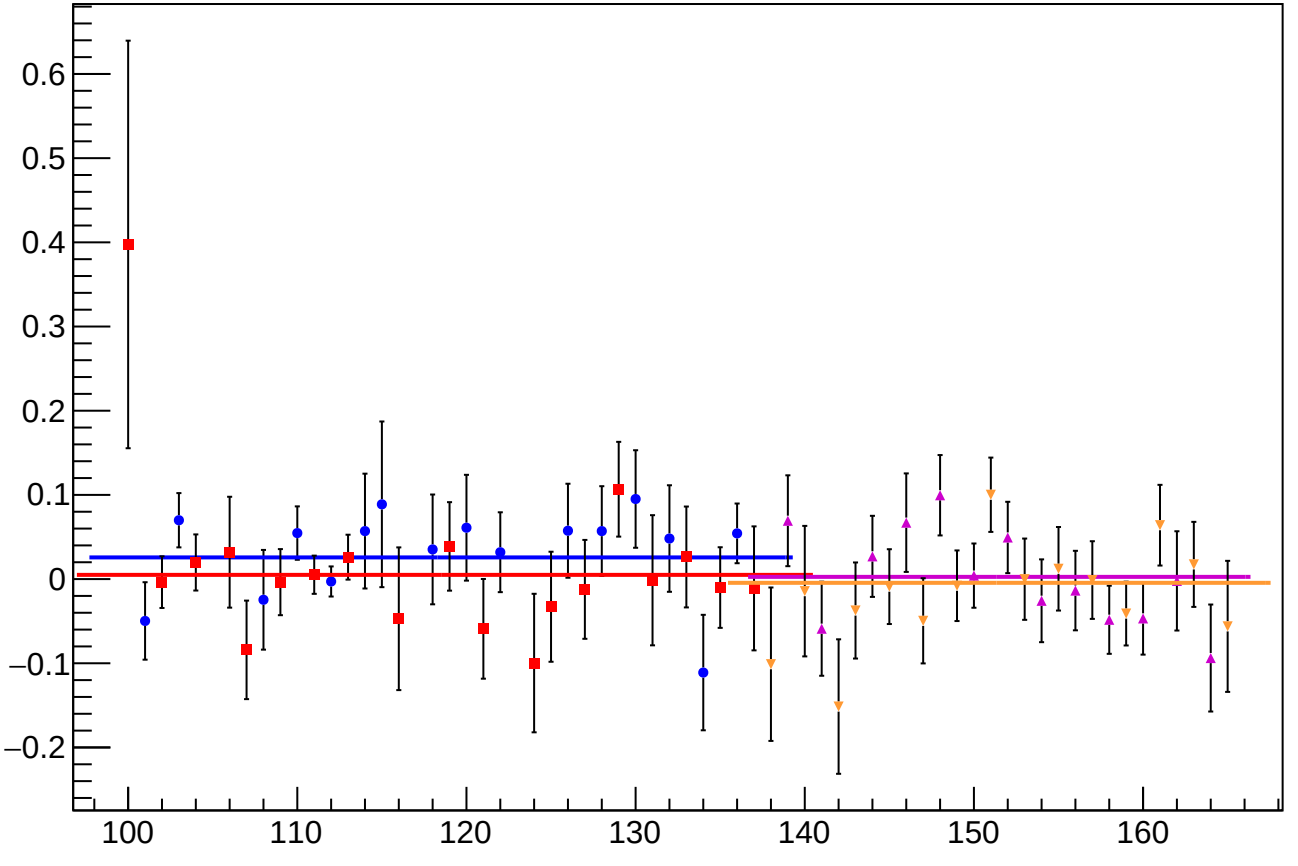
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.543+/-0.006 χ^2/NDF:4888908.6/28

Out: 32.519+/-0.006 χ^2/NDF:4730907.7/33

All: 32.033+/-0.004 χ^2/NDF: 9634107.0/62

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: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

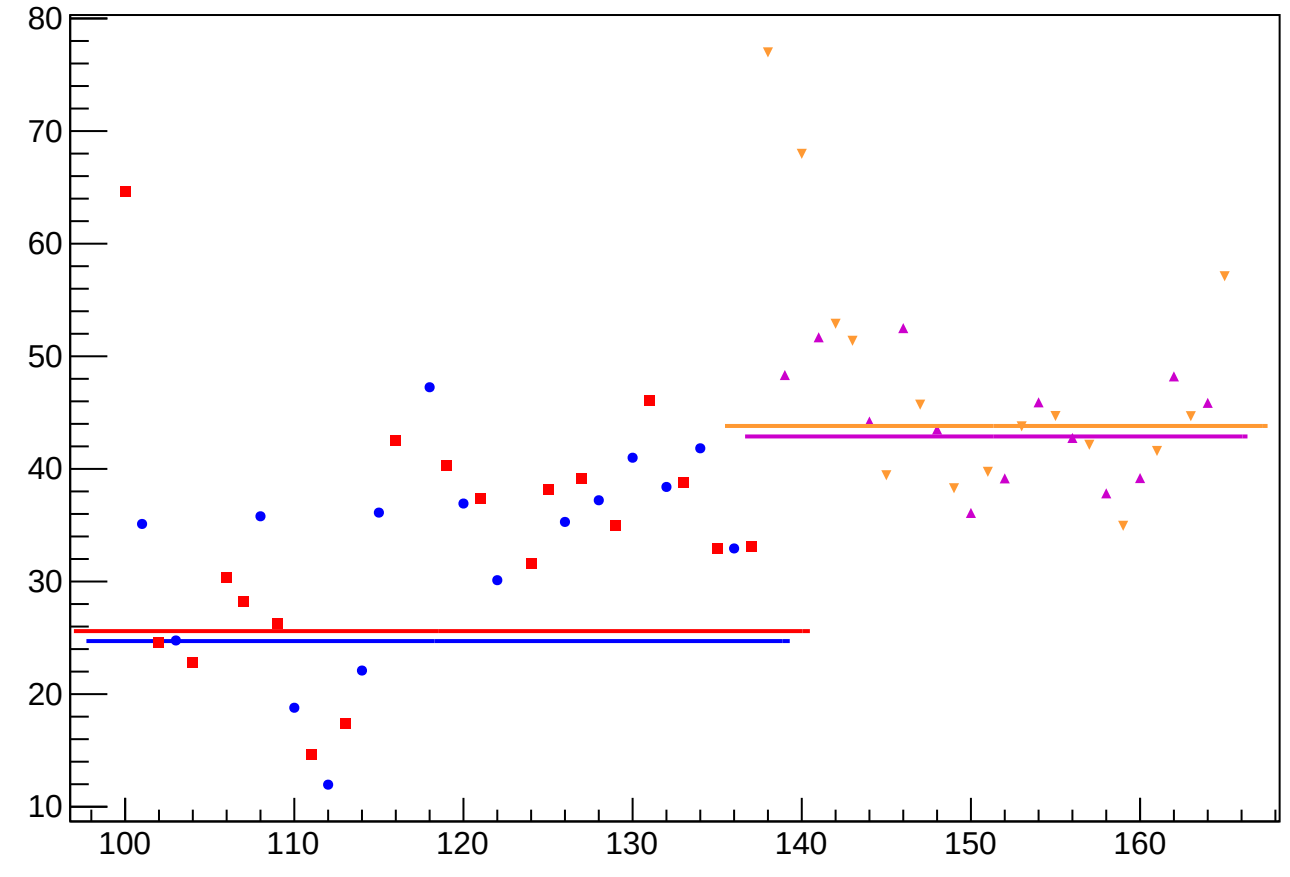
Left: -0.001+/-0.009 χ^2/NDF: 30.4/27

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.001+/-0.008 χ^2/NDF:28.9/33

All: 0.009+/-0.006 χ^2/NDF: 64.4/62



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.813+/-0.009 χ^2/NDF:770293.6/14

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.882+/-0.009 χ^2/NDF:279065.2/12

Left: 43.352+/-0.007 χ^2/NDF: 1054280.5/27

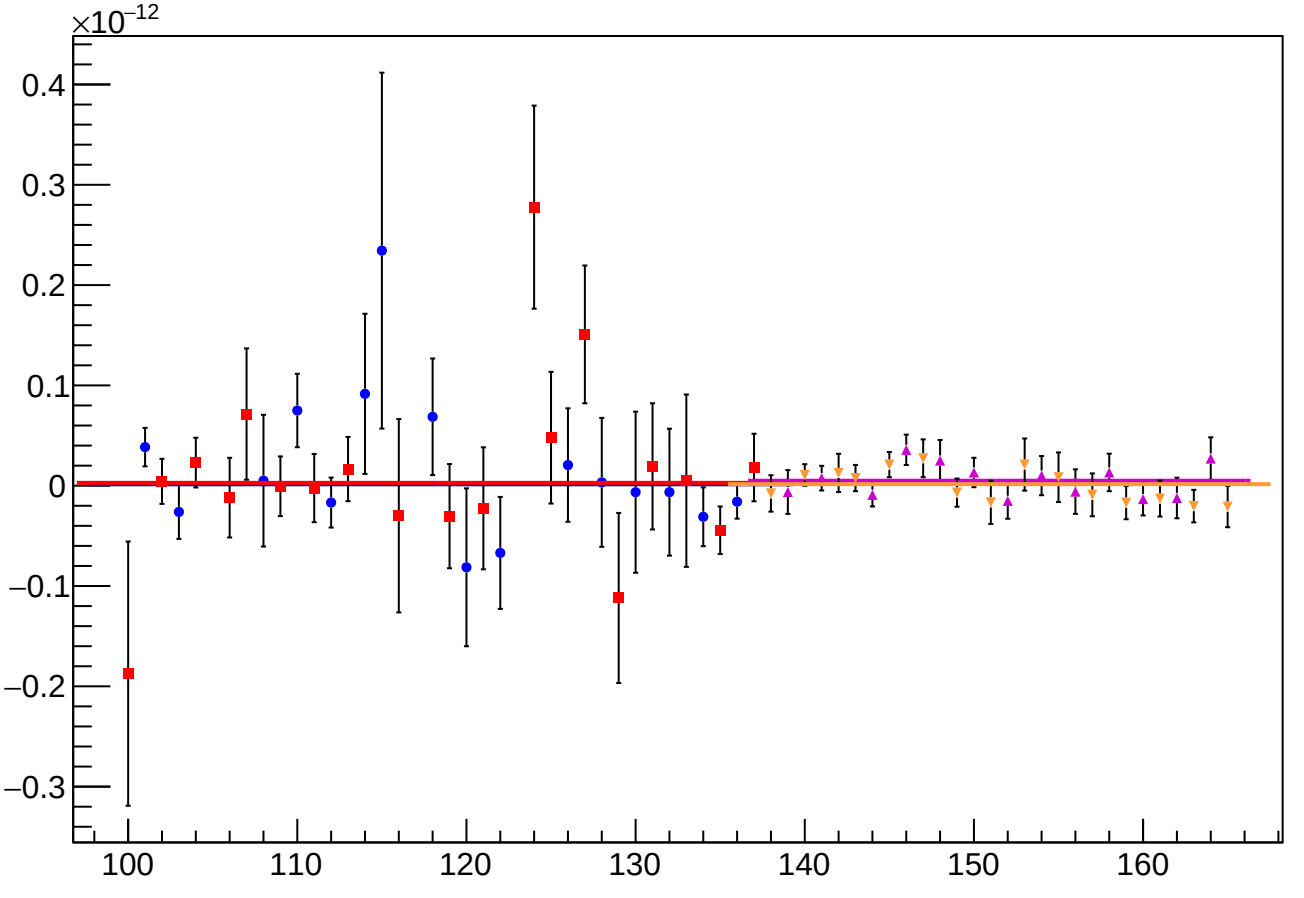
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.543+/-0.006 χ^2/NDF:4888908.6/28

Out: 32.519+/-0.006 χ^2/NDF:4730907.7/33

All: 32.033+/-0.004 χ^2/NDF: 9634107.0/62

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/12

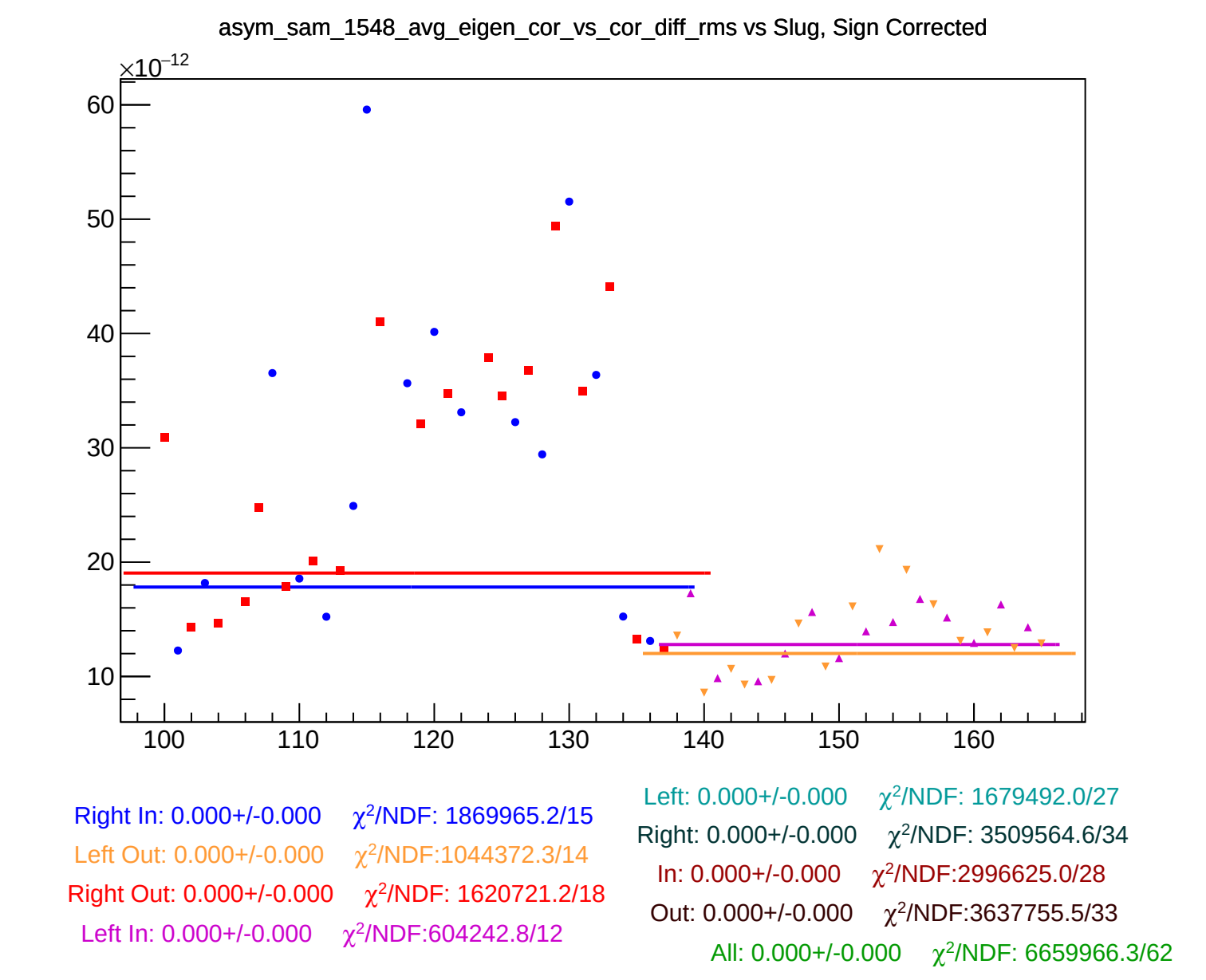
Left: 0.000+/-0.000 χ^2/NDF: 25.0/27

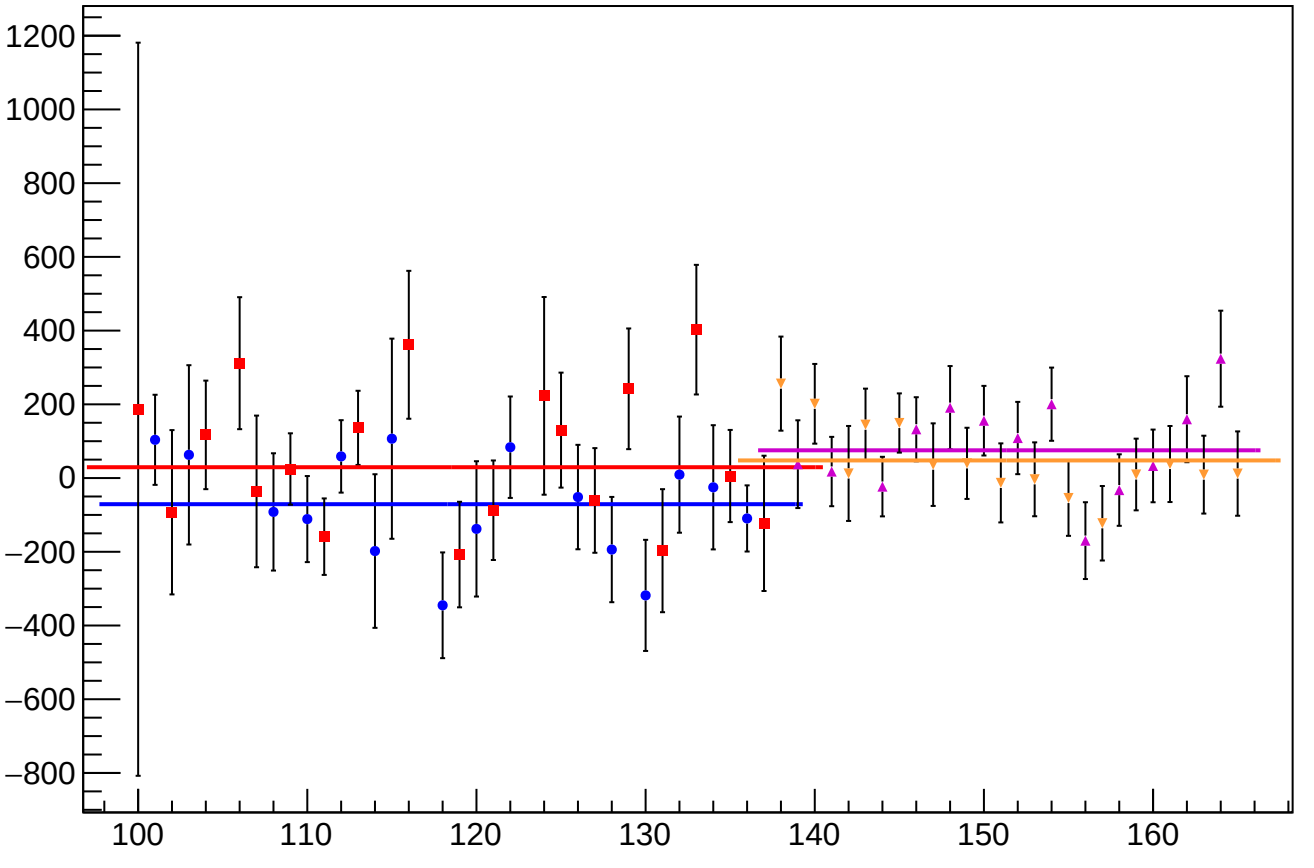
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:30.9/28

Out: 0.000+/-0.000 χ^2/NDF:36.2/33

All: 0.000+/-0.000 χ^2/NDF: 67.2/62


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
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1044372.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:604242.8/12
Left: 0.000+/-0.000 χ²/NDF: 1679492.0/27
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2996625.0/28
Out: 0.000+/-0.000 χ²/NDF:3637755.5/33
All: 0.000+/-0.000 χ²/NDF: 6659966.3/62



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.822+/-26.737 χ^2/NDF:12.2/14

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 75.291+/-27.744 χ^2/NDF:17.0/12

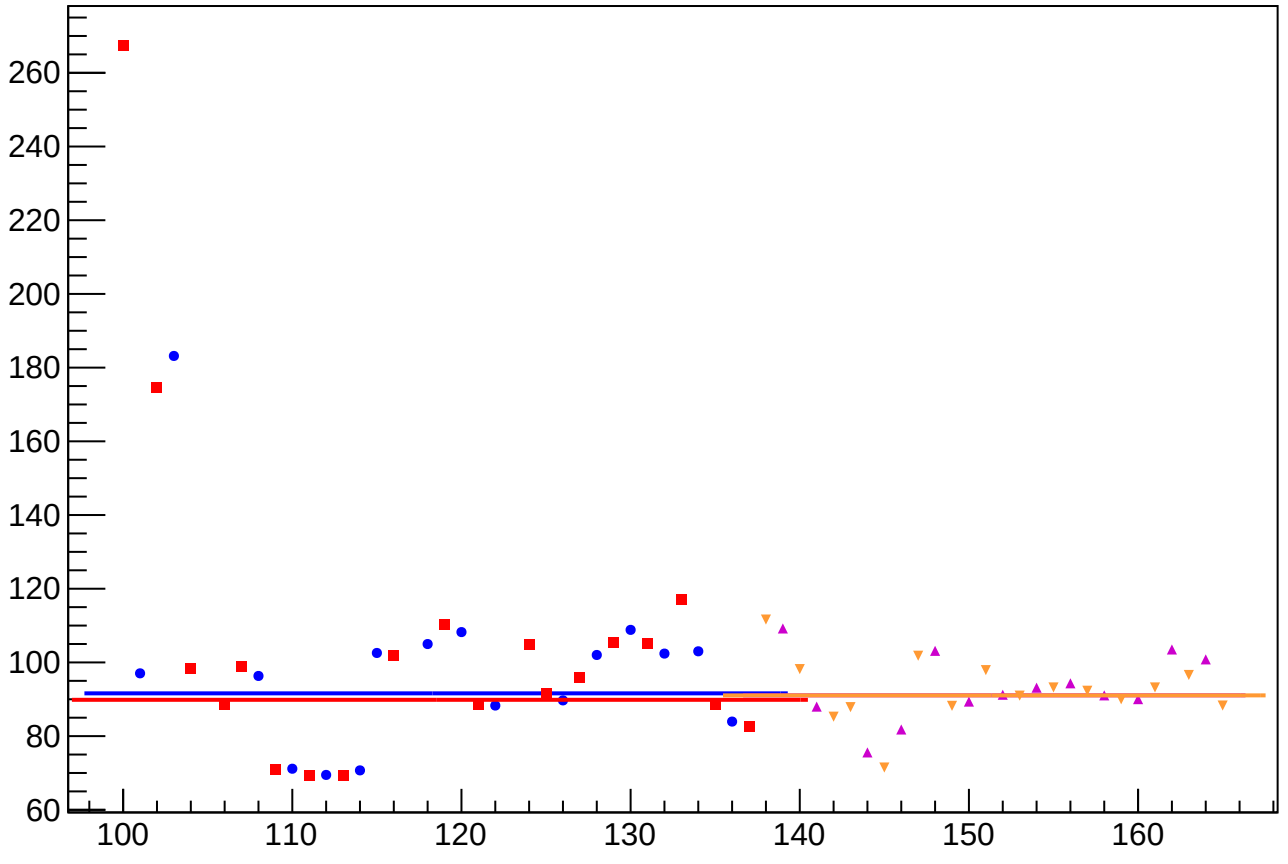
Left: 61.049+/-19.252 χ^2/NDF: 29.7/27

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 19.122+/-21.771 χ^2/NDF:41.7/28

Out: 40.849+/-21.074 χ^2/NDF:36.4/33

All: 30.339+/-15.142 χ^2/NDF: 78.6/62



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

Left: 91.065+/-0.014 χ^2/NDF: 428346.4/27

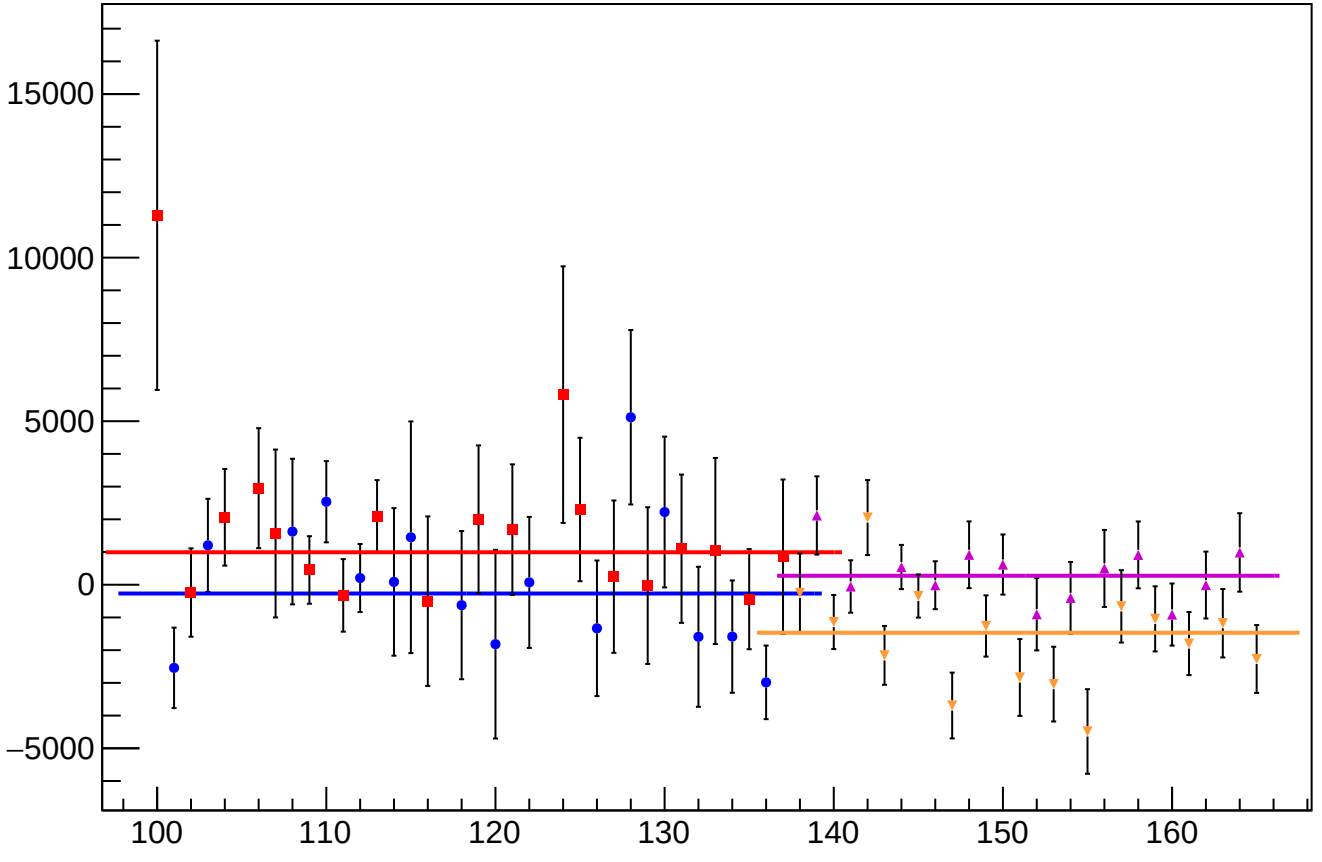
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.278+/-0.015 χ^2/NDF:786413.2/28

Out: 90.603+/-0.015 χ^2/NDF:970719.7/33

All: 90.929+/-0.011 χ^2/NDF: 1758125.6/62

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1466.909+/-254.761 χ^2/NDF:29.2/14

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 274.690+/-262.241 χ^2/NDF:7.3/12

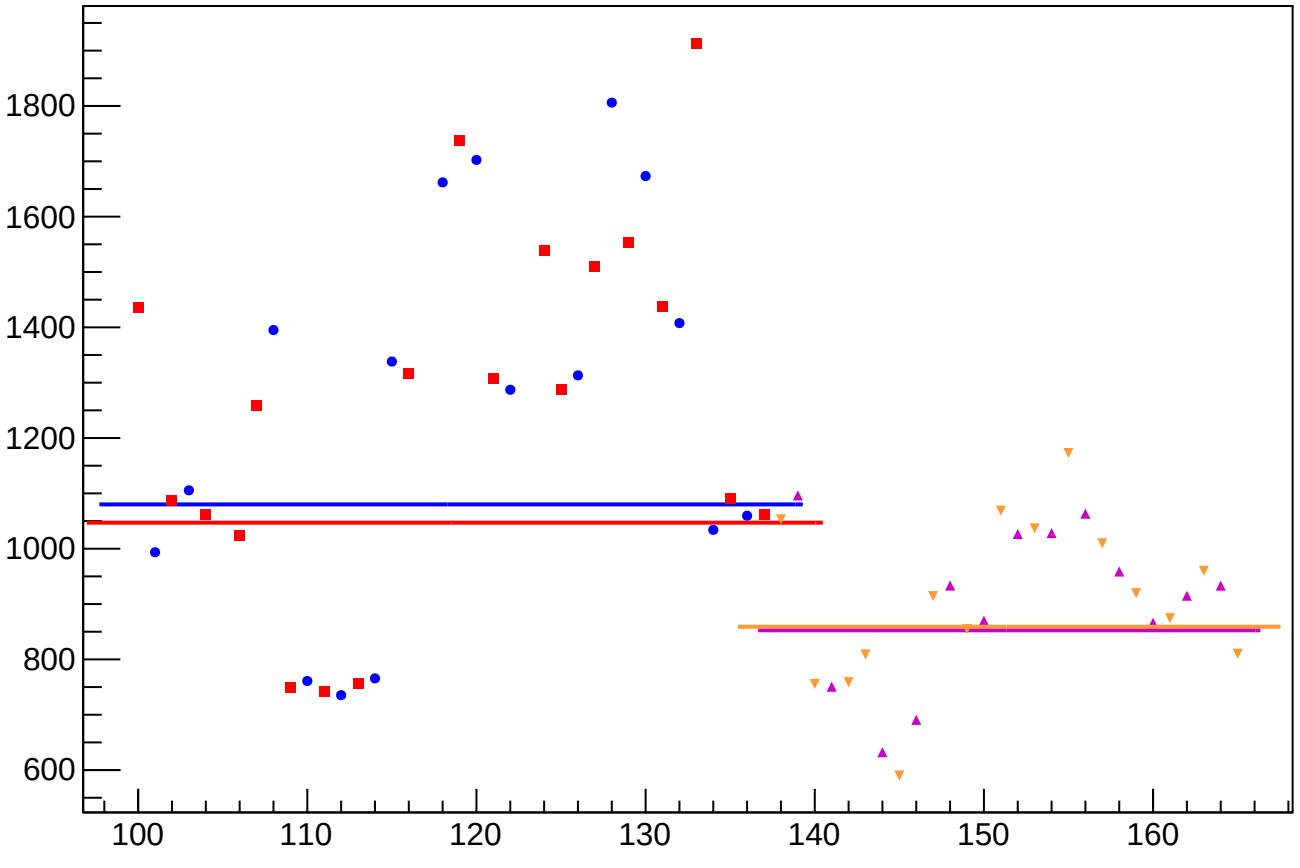
Left: -621.302+/-182.731 χ^2/NDF: 59.3/27

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 122.108+/-222.379 χ^2/NDF:32.0/28

Out: -759.192+/-215.007 χ^2/NDF:68.7/33

All: -333.391+/-154.574 χ^2/NDF: 108.8/62



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 858.999+/-0.180 χ^2/NDF:740647.2/14

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 852.527+/-0.185 χ^2/NDF:642023.1/12

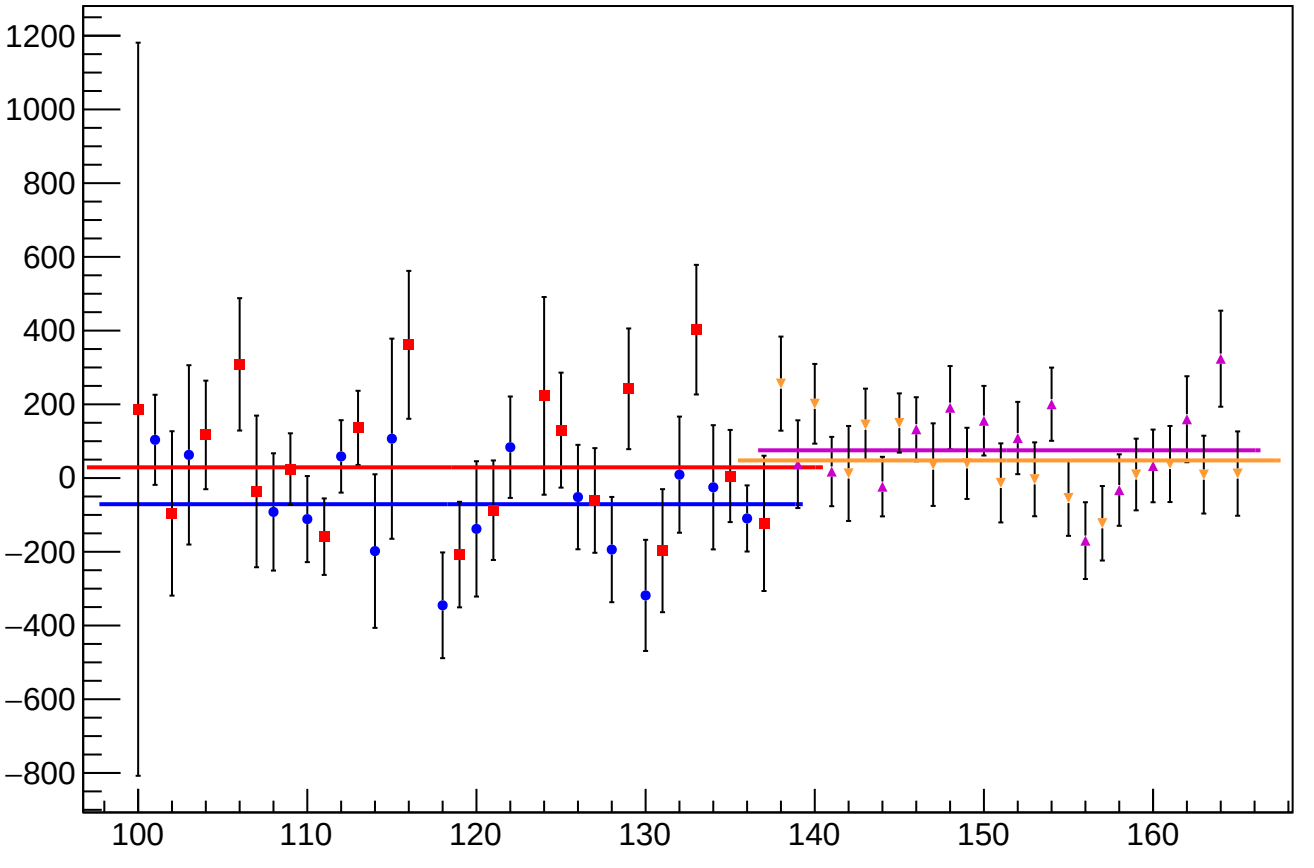
Left: 855.857+/-0.129 χ^2/NDF: 1383297.1/27

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 916.438+/-0.157 χ^2/NDF:2118376.8/28

Out: 913.114+/-0.152 χ^2/NDF:2252905.0/33

All: 914.720+/-0.109 χ^2/NDF: 4371512.8/62



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.827+/-26.737 χ^2/NDF:12.2/14

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 75.292+/-27.744 χ^2/NDF:17.0/12

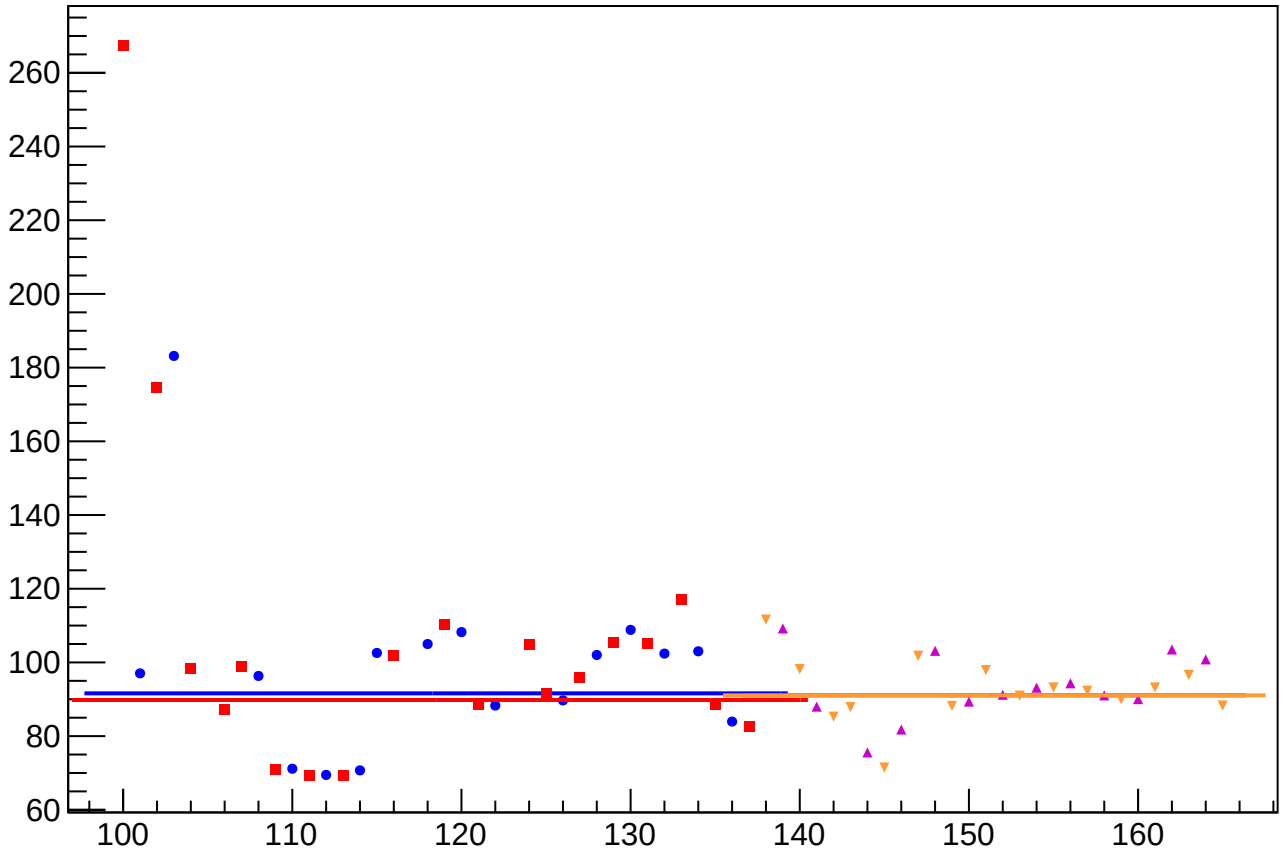
Left: 61.052+/-19.252 χ^2/NDF: 29.7/27

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.119+/-21.771 χ^2/NDF:41.7/28

Out: 40.758+/-21.075 χ^2/NDF:36.3/33

All: 30.290+/-15.142 χ^2/NDF: 78.5/62



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

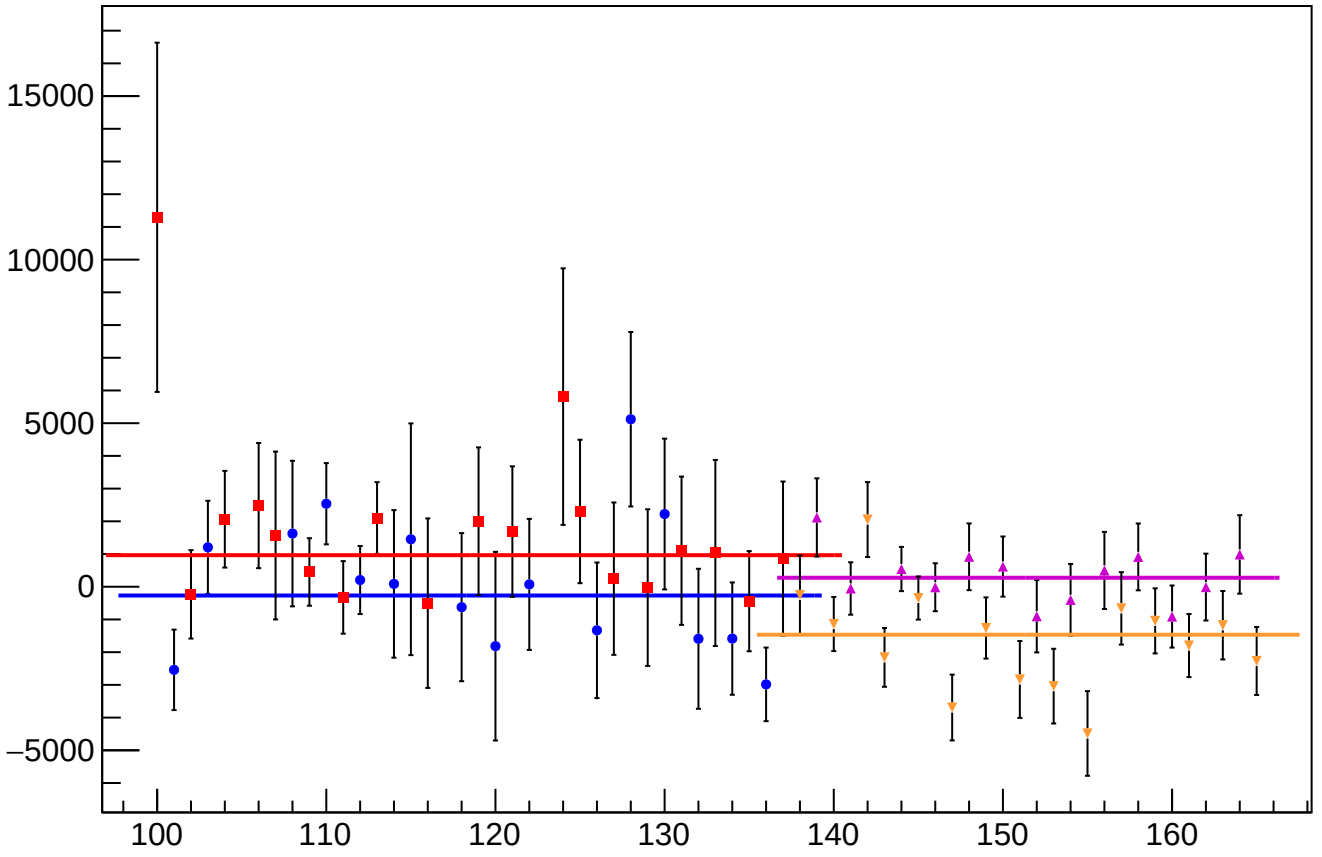
Left: 91.065+/-0.014 χ^2/NDF: 428346.4/27

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.278+/-0.015 χ^2/NDF:786416.4/28

Out: 90.585+/-0.015 χ^2/NDF:971387.3/33

All: 90.920+/-0.011 χ^2/NDF: 1758849.6/62



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1466.905+/-254.761 χ^2/NDF:29.2/14

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 274.695+/-262.241 χ^2/NDF:7.3/12

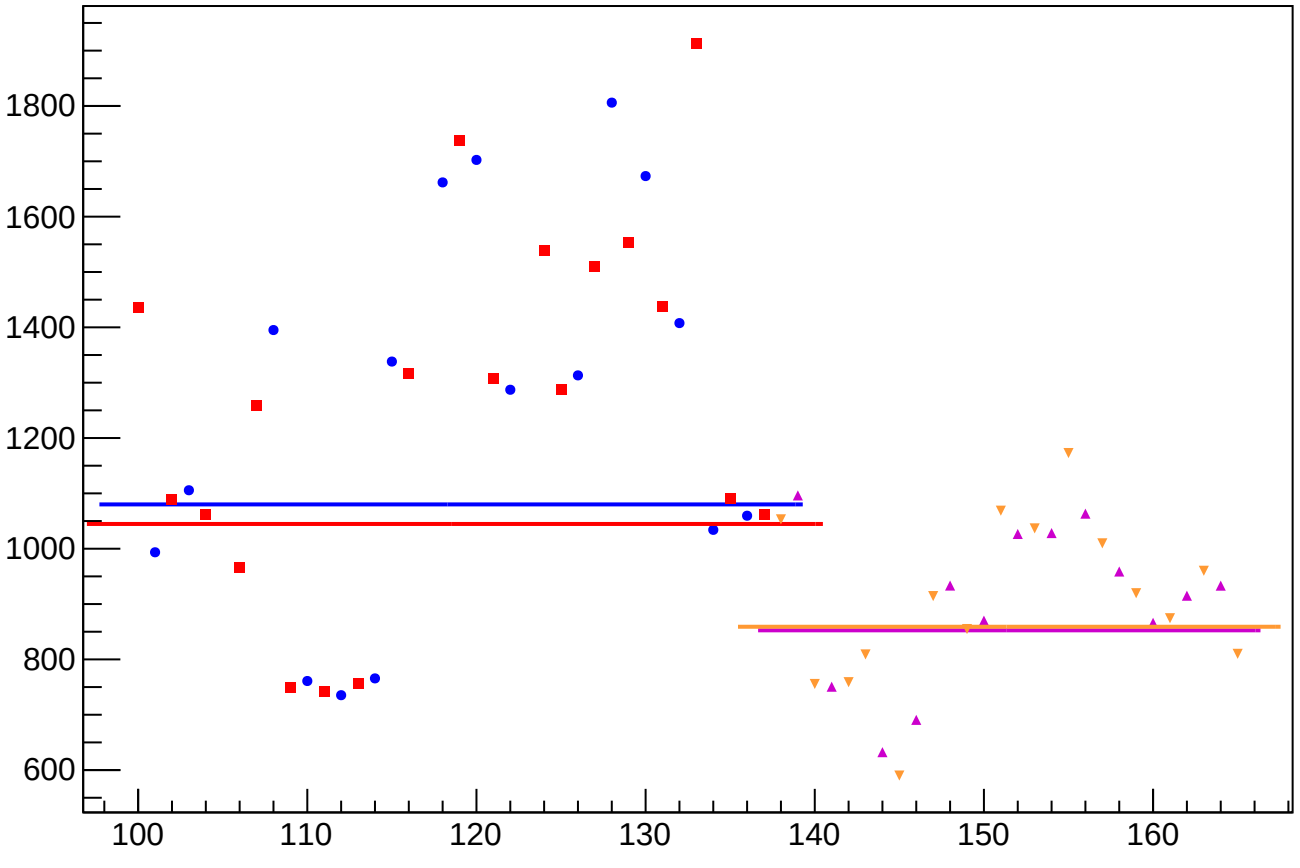
Left: -621.297+/-182.731 χ^2/NDF: 59.3/27

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 122.108+/-222.380 χ^2/NDF:32.0/28

Out: -769.162+/-215.132 χ^2/NDF:67.5/33

All: -338.288+/-154.620 χ^2/NDF: 107.8/62



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 858.999+/-0.180 χ^2/NDF:740649.4/14

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

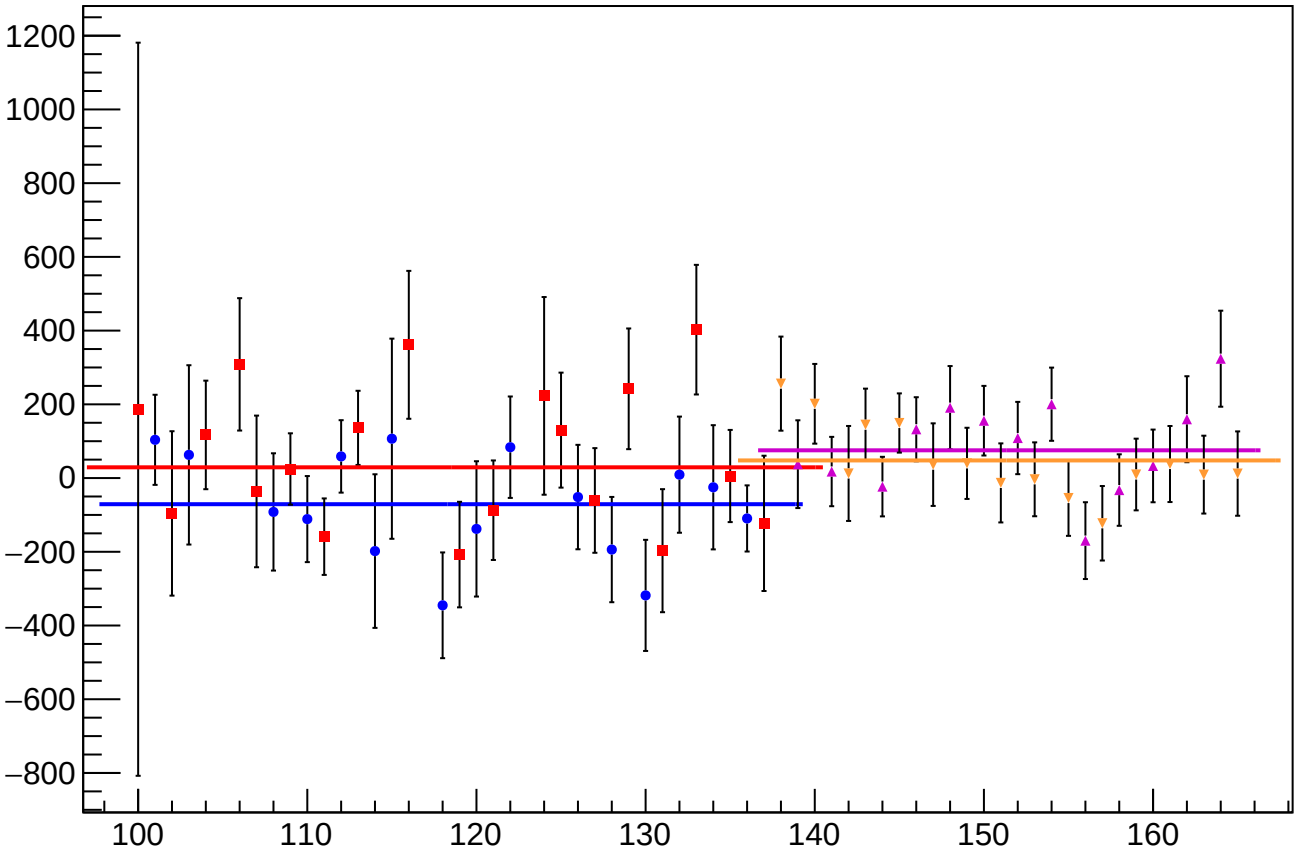
Left: 855.857+/-0.129 χ^2/NDF: 1383297.7/27

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 916.440+/-0.157 χ^2/NDF:2118408.4/28

Out: 912.284+/-0.152 χ^2/NDF:2247418.6/33

All: 914.293+/-0.109 χ^2/NDF: 4366187.8/62



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.827+/-26.737 χ^2/NDF:12.2/14

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 75.292+/-27.744 χ^2/NDF:17.0/12

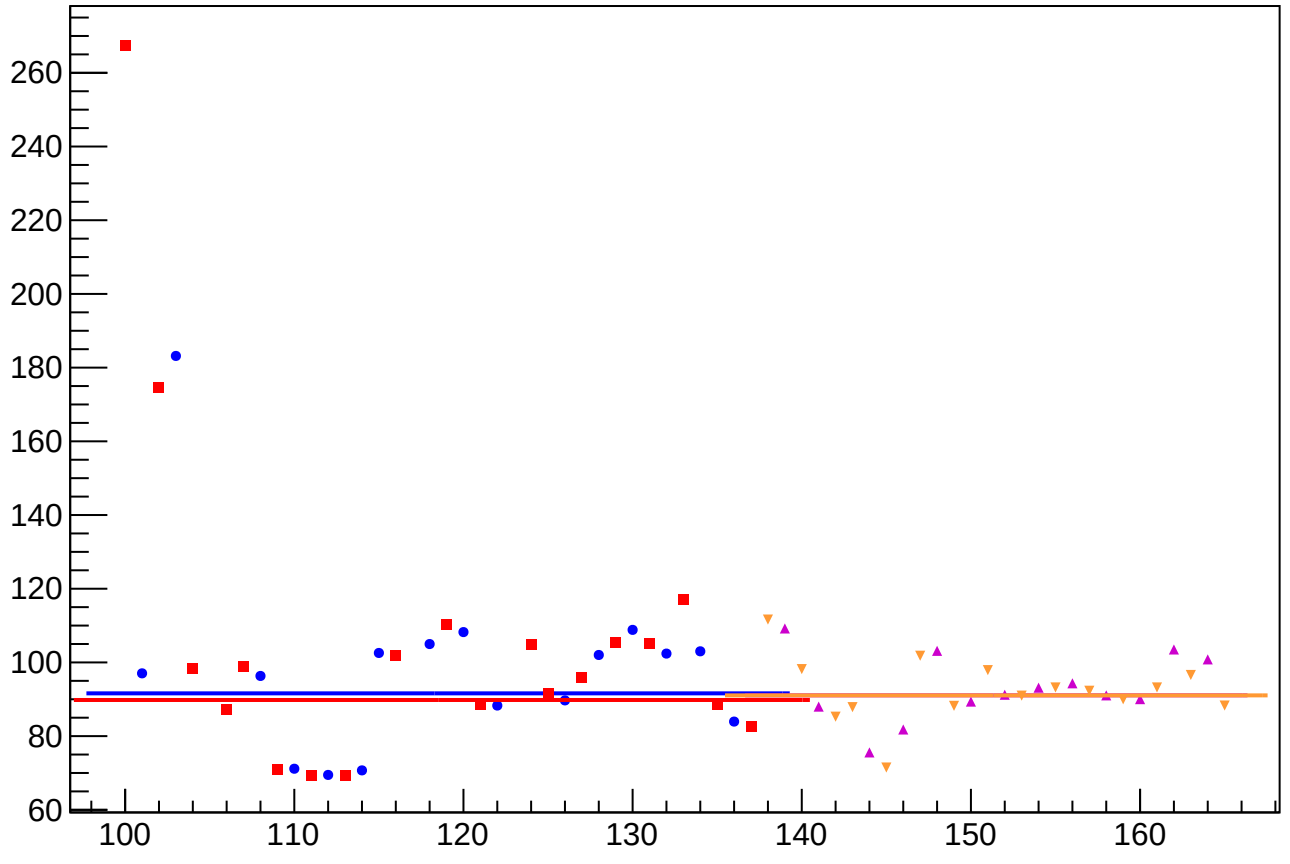
Left: 61.052+/-19.252 χ^2/NDF: 29.7/27

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.119+/-21.771 χ^2/NDF:41.7/28

Out: 40.758+/-21.075 χ^2/NDF:36.3/33

All: 30.290+/-15.142 χ^2/NDF: 78.5/62



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

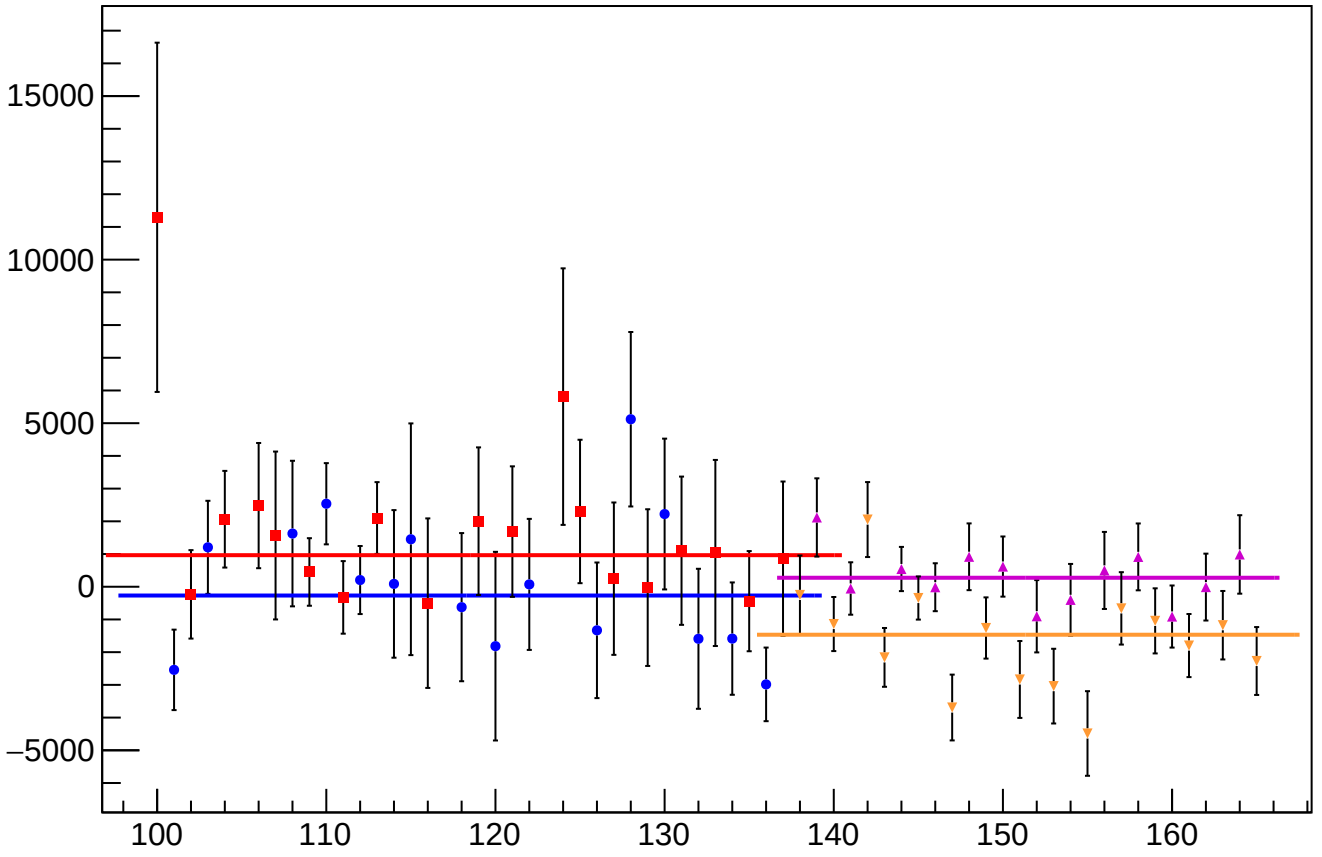
Left: 91.065+/-0.014 χ^2/NDF: 428346.4/27

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.278+/-0.015 χ^2/NDF:786416.4/28

Out: 90.585+/-0.015 χ^2/NDF:971387.3/33

All: 90.920+/-0.011 χ^2/NDF: 1758849.6/62



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1466.905+/-254.761 χ^2/NDF:29.2/14

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 274.695+/-262.241 χ^2/NDF:7.3/12

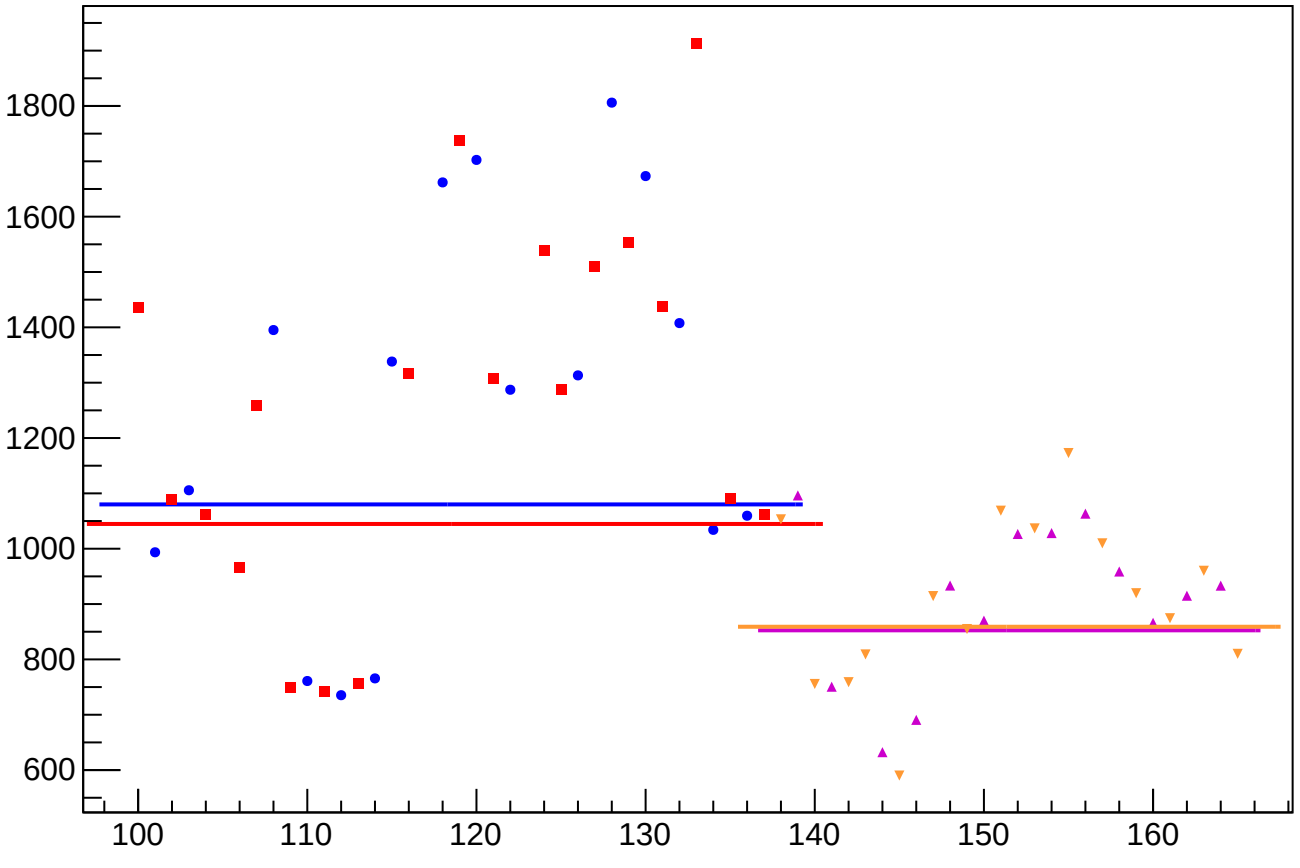
Left: -621.297+/-182.731 χ^2/NDF: 59.3/27

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 122.108+/-222.380 χ^2/NDF:32.0/28

Out: -769.162+/-215.132 χ^2/NDF:67.5/33

All: -338.288+/-154.620 χ^2/NDF: 107.8/62



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 858.999+/-0.180 χ^2/NDF:740649.4/14

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

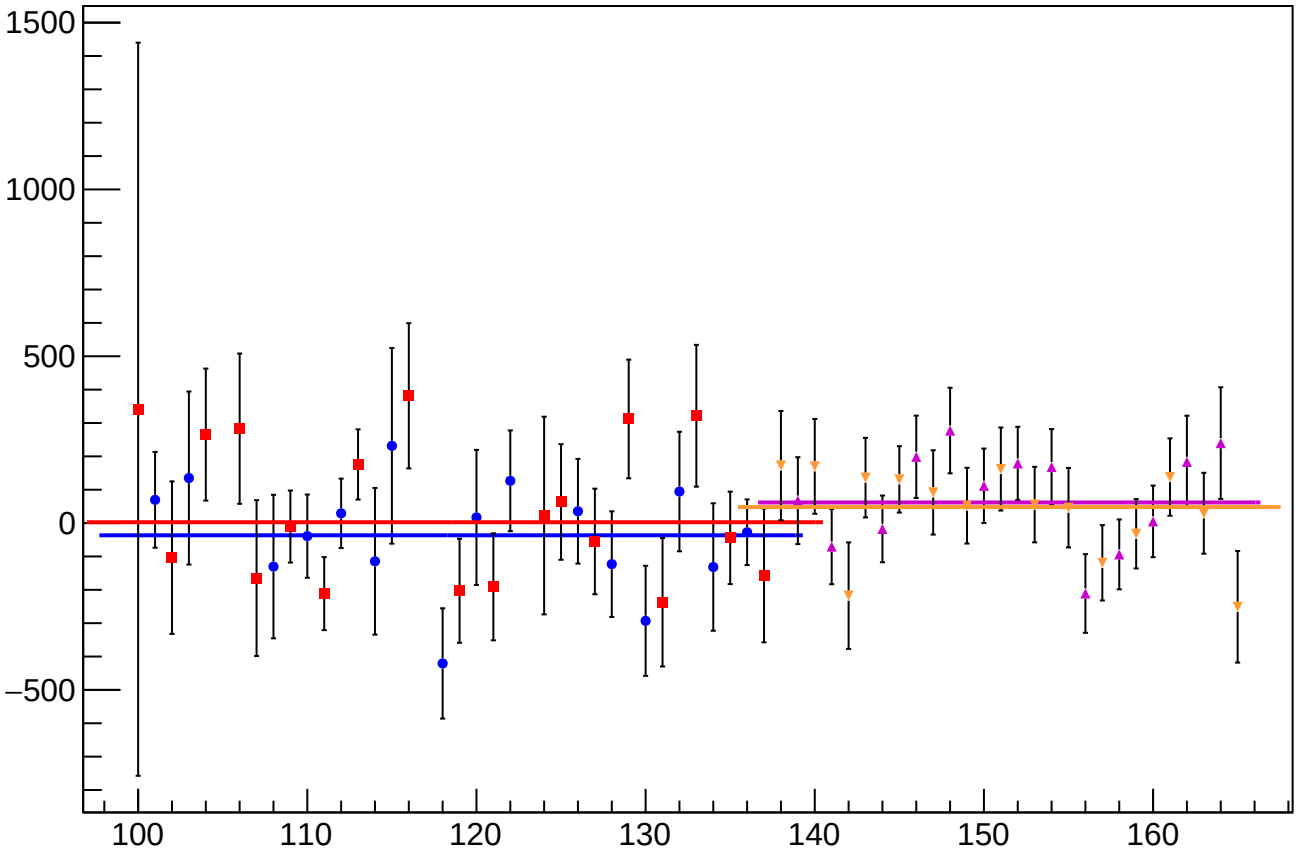
Left: 855.857+/-0.129 χ^2/NDF: 1383297.7/27

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 916.440+/-0.157 χ^2/NDF:2118408.4/28

Out: 912.284+/-0.152 χ^2/NDF:2247418.6/33

All: 914.293+/-0.109 χ^2/NDF: 4366187.8/62



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 48.011+/-31.628 χ^2/NDF:12.9/14

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 61.810+/-32.577 χ^2/NDF:18.0/12

Left: 54.707+/-22.692 χ^2/NDF: 31.0/27

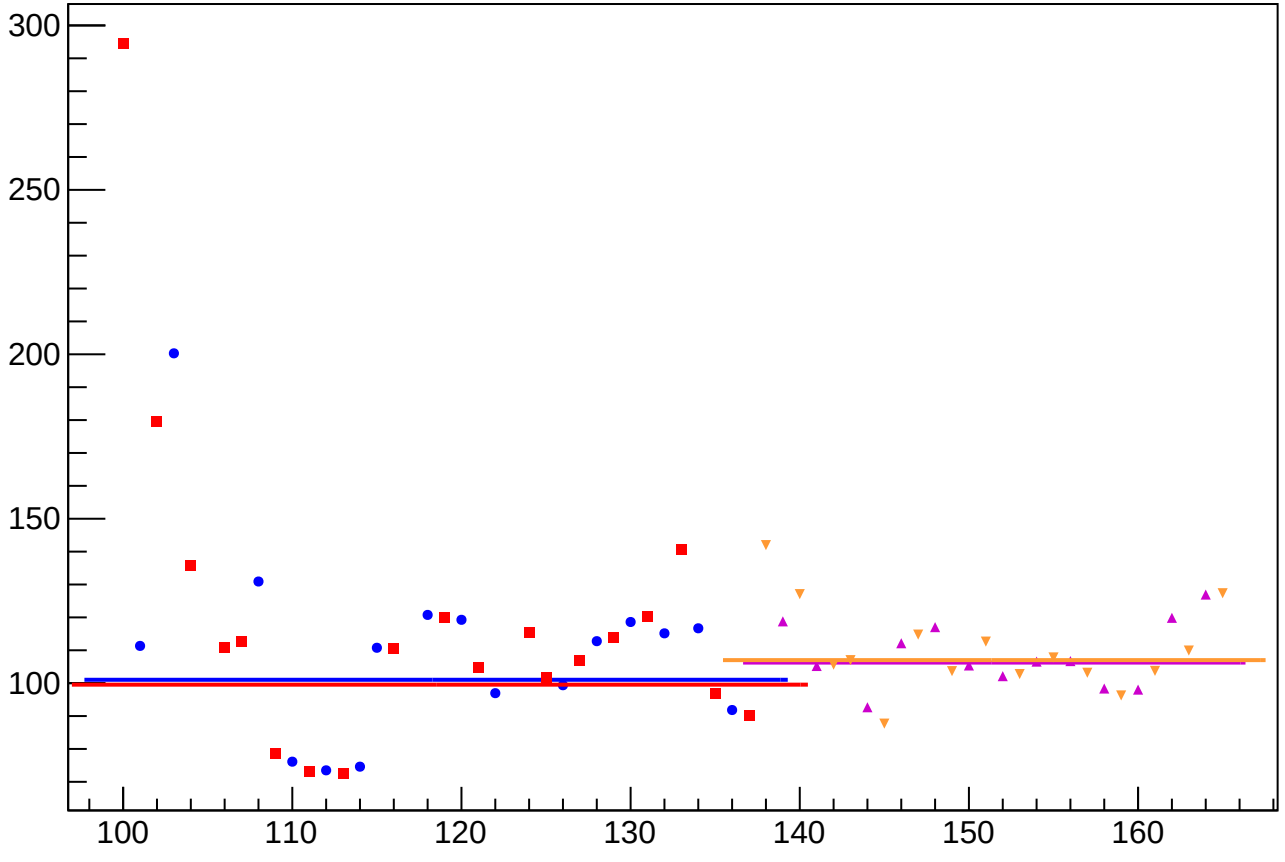
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 21.358+/-25.000 χ^2/NDF:34.6/28

Out: 29.509+/-24.352 χ^2/NDF:38.5/33

All: 25.541+/-17.444 χ^2/NDF: 73.2/62

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.006+/-0.022 χ^2/NDF:278923.1/14

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.261+/-0.023 χ^2/NDF:150242.4/12

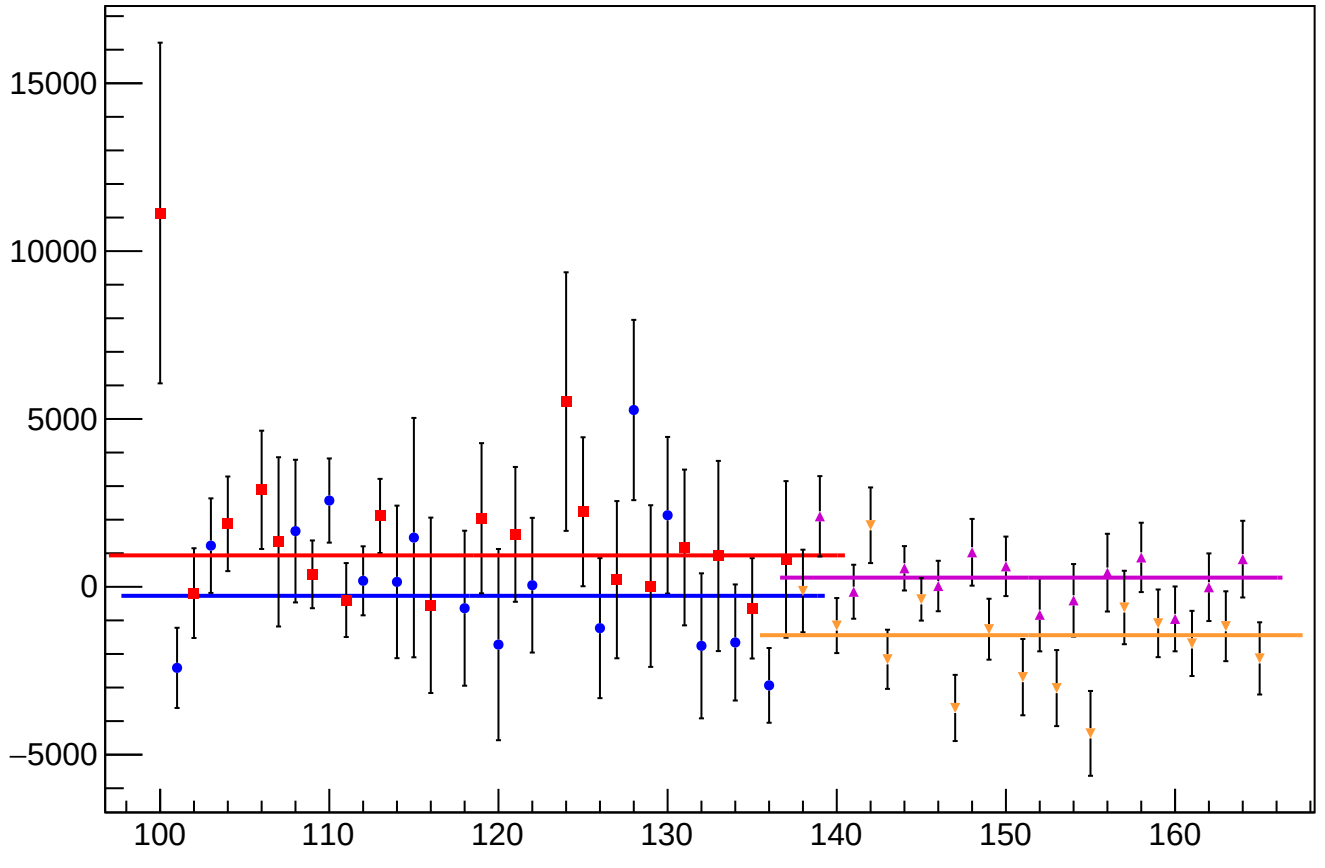
Left: 106.644+/-0.016 χ^2/NDF: 429702.7/27

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 104.111+/-0.018 χ^2/NDF:887531.4/28

Out: 103.969+/-0.017 χ^2/NDF:1204705.3/33

All: 104.038+/-0.012 χ^2/NDF: 2092270.0/62



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1441.003+/-251.526 χ^2/NDF:27.8/14

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 273.998+/-259.999 χ^2/NDF:7.3/12

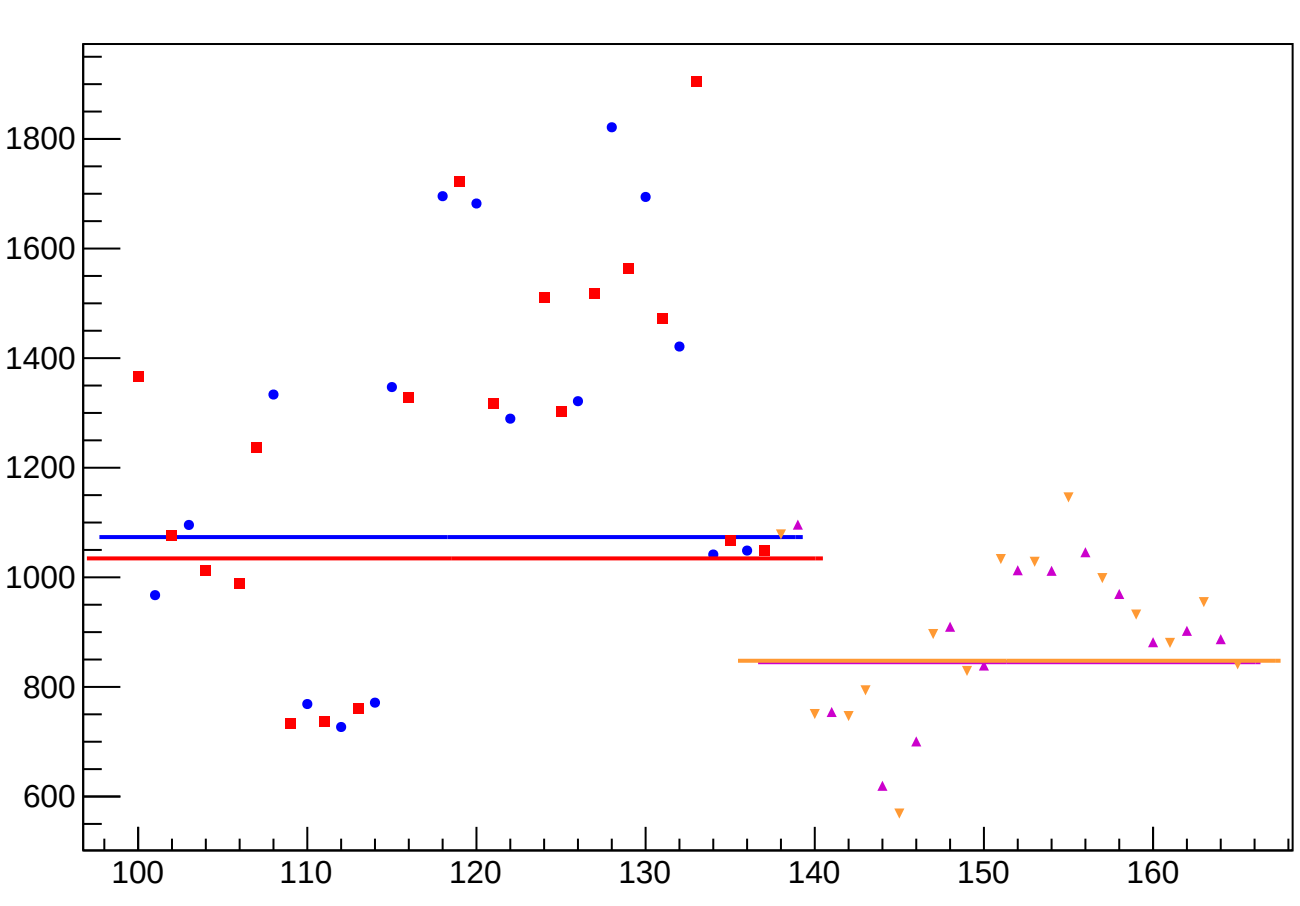
Left: -611.902+/-180.777 χ^2/NDF: 57.6/27

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 122.342+/-220.637 χ^2/NDF:32.0/28

Out: -758.066+/-212.354 χ^2/NDF:66.6/33

All: -334.697+/-153.001 χ^2/NDF: 106.9/62



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 847.763+/-0.178 χ^2/NDF:805777.5/14

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 845.076+/-0.184 χ^2/NDF:625085.1/12

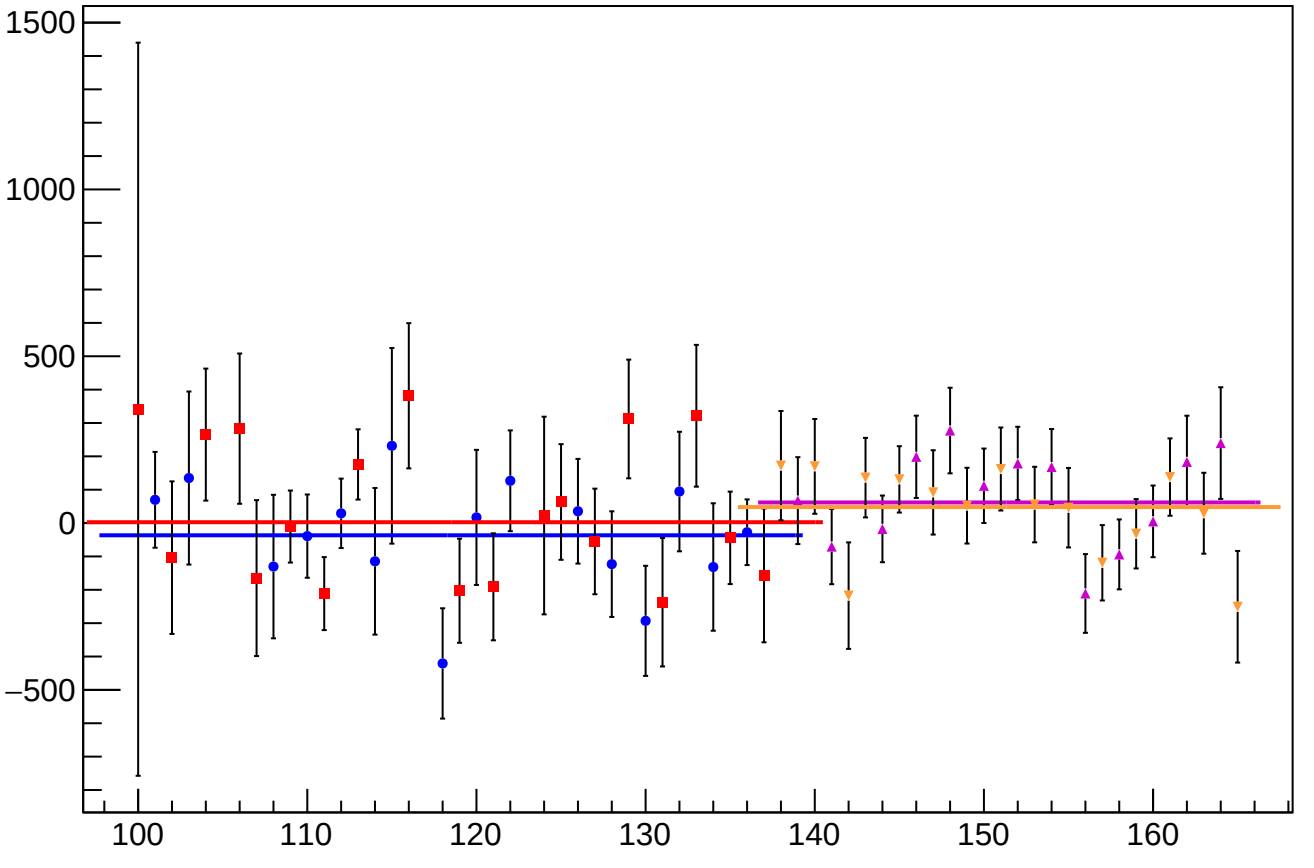
Left: 846.464+/-0.128 χ^2/NDF: 1430972.9/27

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 908.993+/-0.156 χ^2/NDF:2134013.5/28

Out: 901.408+/-0.150 χ^2/NDF:2351862.0/33

All: 905.055+/-0.108 χ^2/NDF: 4487102.5/62



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 48.013+/-31.628 χ^2/NDF:12.9/14

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 61.810+/-32.577 χ^2/NDF:18.0/12

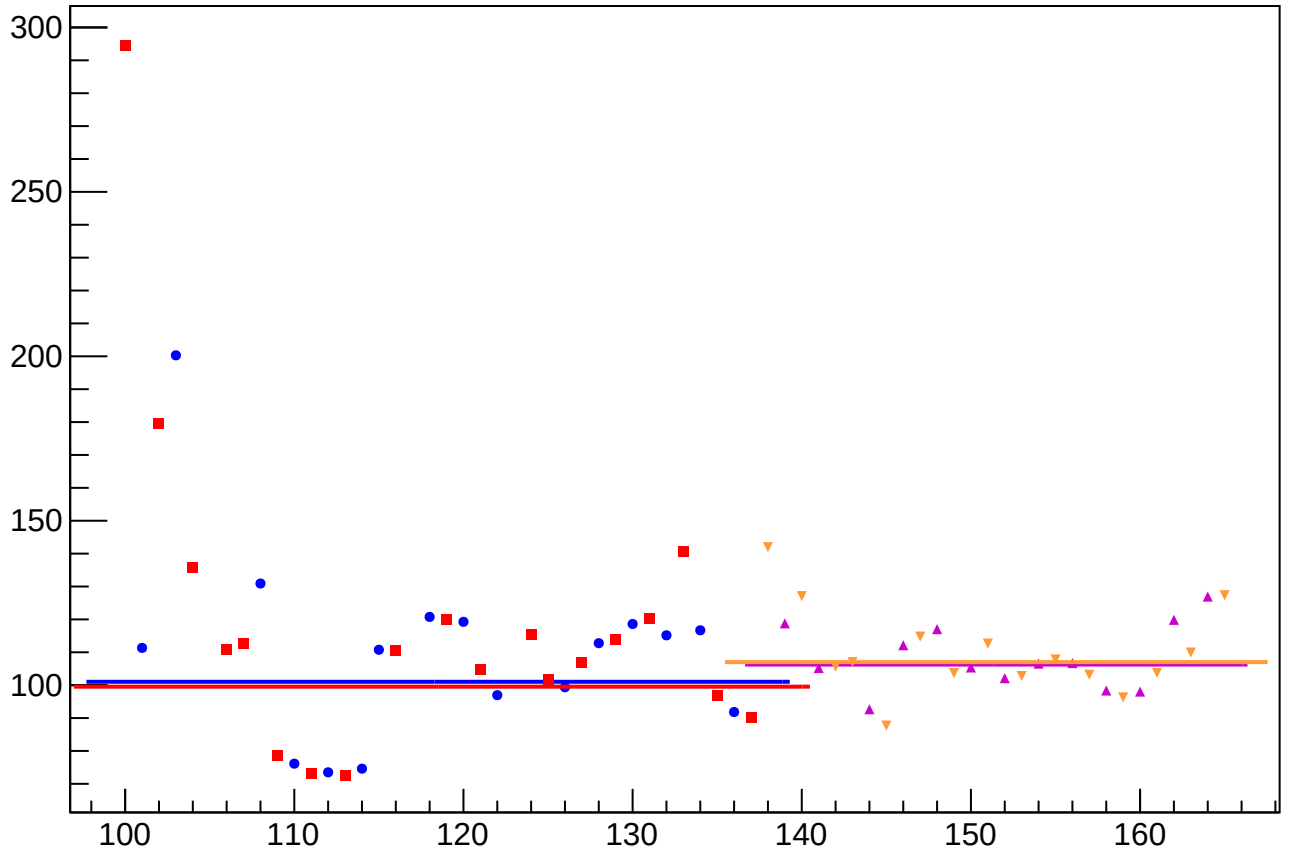
Left: 54.708+/-22.692 χ^2/NDF: 31.0/27

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 21.358+/-25.000 χ^2/NDF:34.6/28

Out: 29.509+/-24.352 χ^2/NDF:38.5/33

All: 25.541+/-17.444 χ^2/NDF: 73.2/62



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.006+/-0.022 χ^2/NDF:278917.6/14

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.262+/-0.023 χ^2/NDF:150241.4/12

Left: 106.645+/-0.016 χ^2/NDF: 429696.4/27

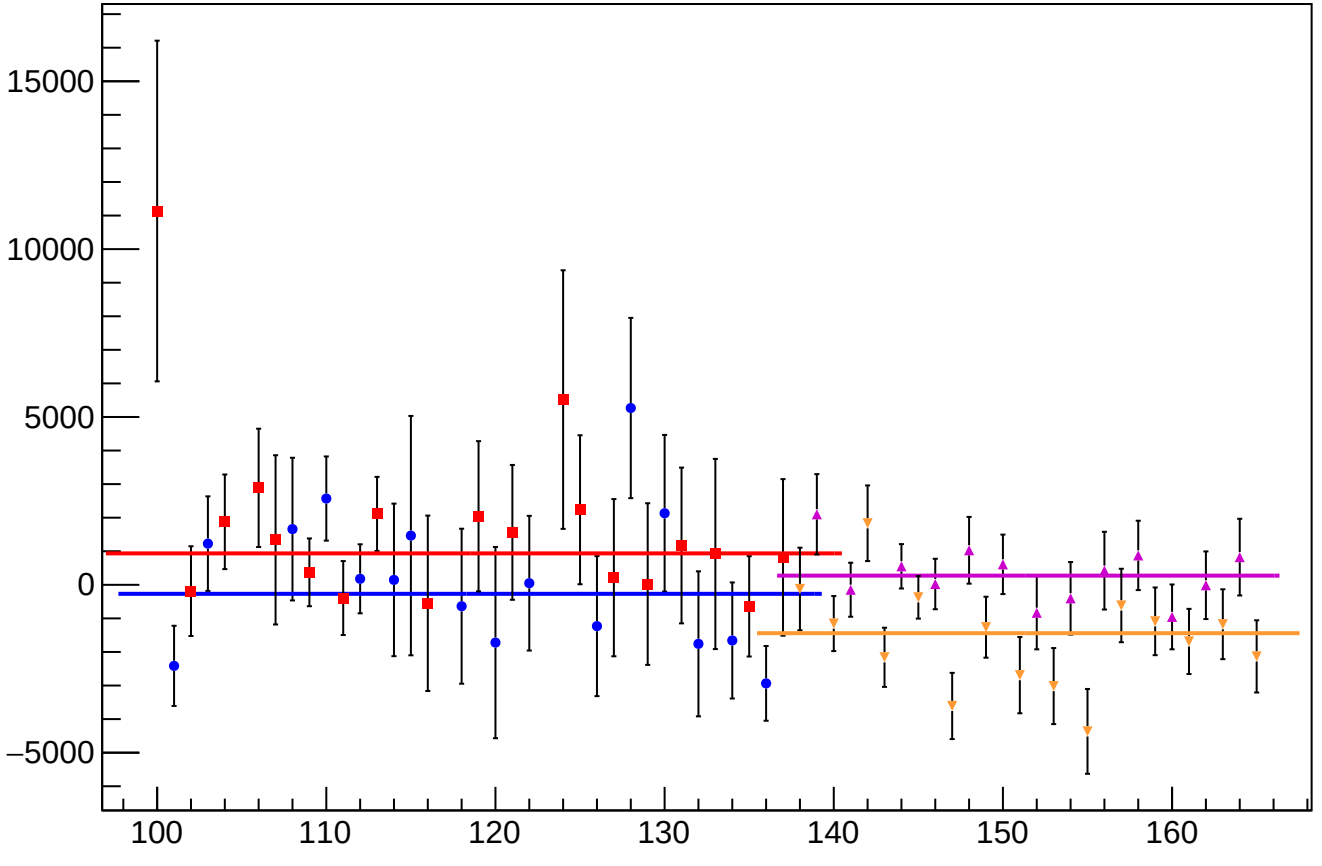
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 104.112+/-0.018 χ^2/NDF:887530.9/28

Out: 103.969+/-0.017 χ^2/NDF:1204705.3/33

All: 104.038+/-0.012 χ^2/NDF: 2092269.5/62

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: -1441.001+/-251.526 χ^2/NDF:27.8/14

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 273.997+/-259.999 χ^2/NDF:7.3/12

Left: -611.901+/-180.777 χ^2/NDF: 57.6/27

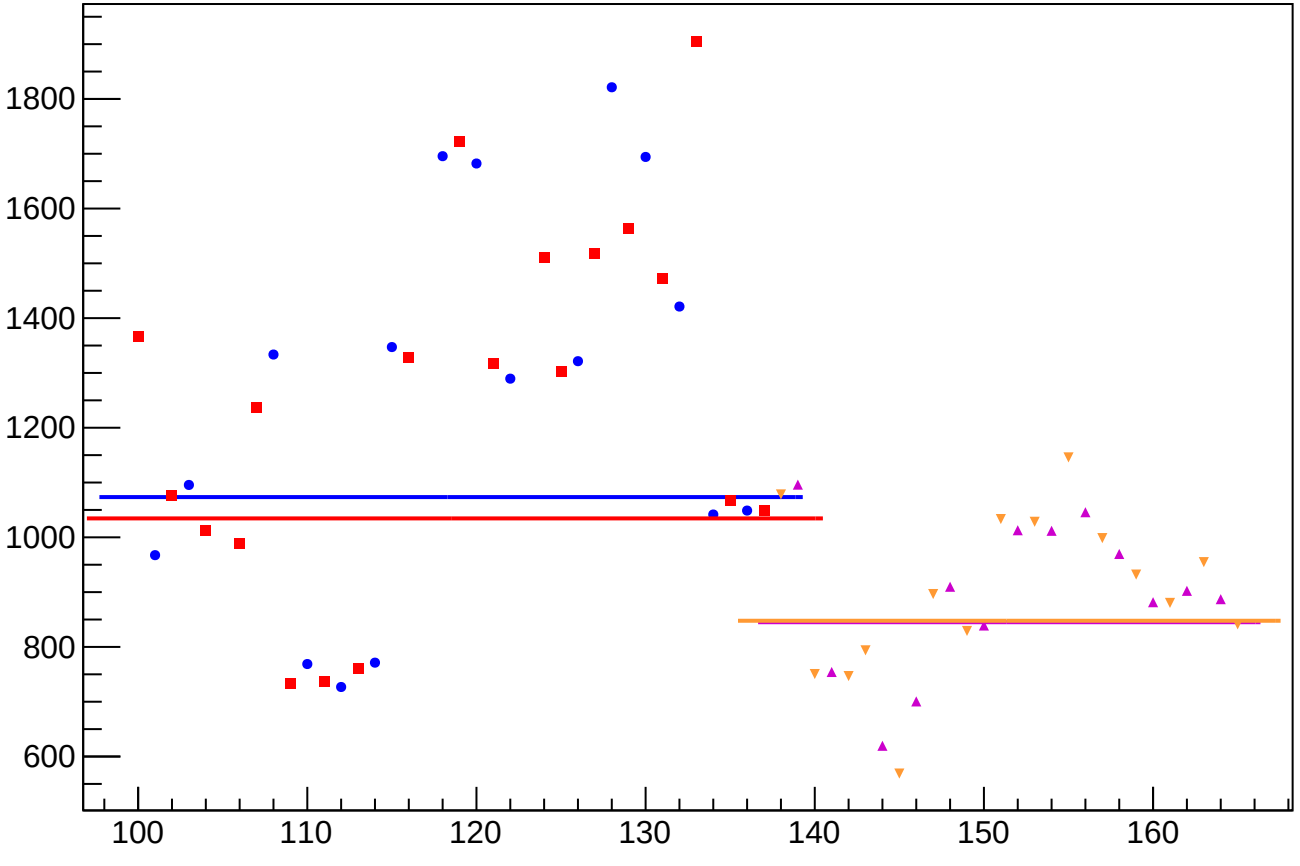
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 122.341+/-220.636 χ^2/NDF:32.0/28

Out: -758.065+/-212.354 χ^2/NDF:66.6/33

All: -334.697+/-153.001 χ^2/NDF: 106.9/62

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: 847.762+/-0.178 χ^2/NDF:805780.3/14

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 845.075+/-0.184 χ^2/NDF:625083.7/12

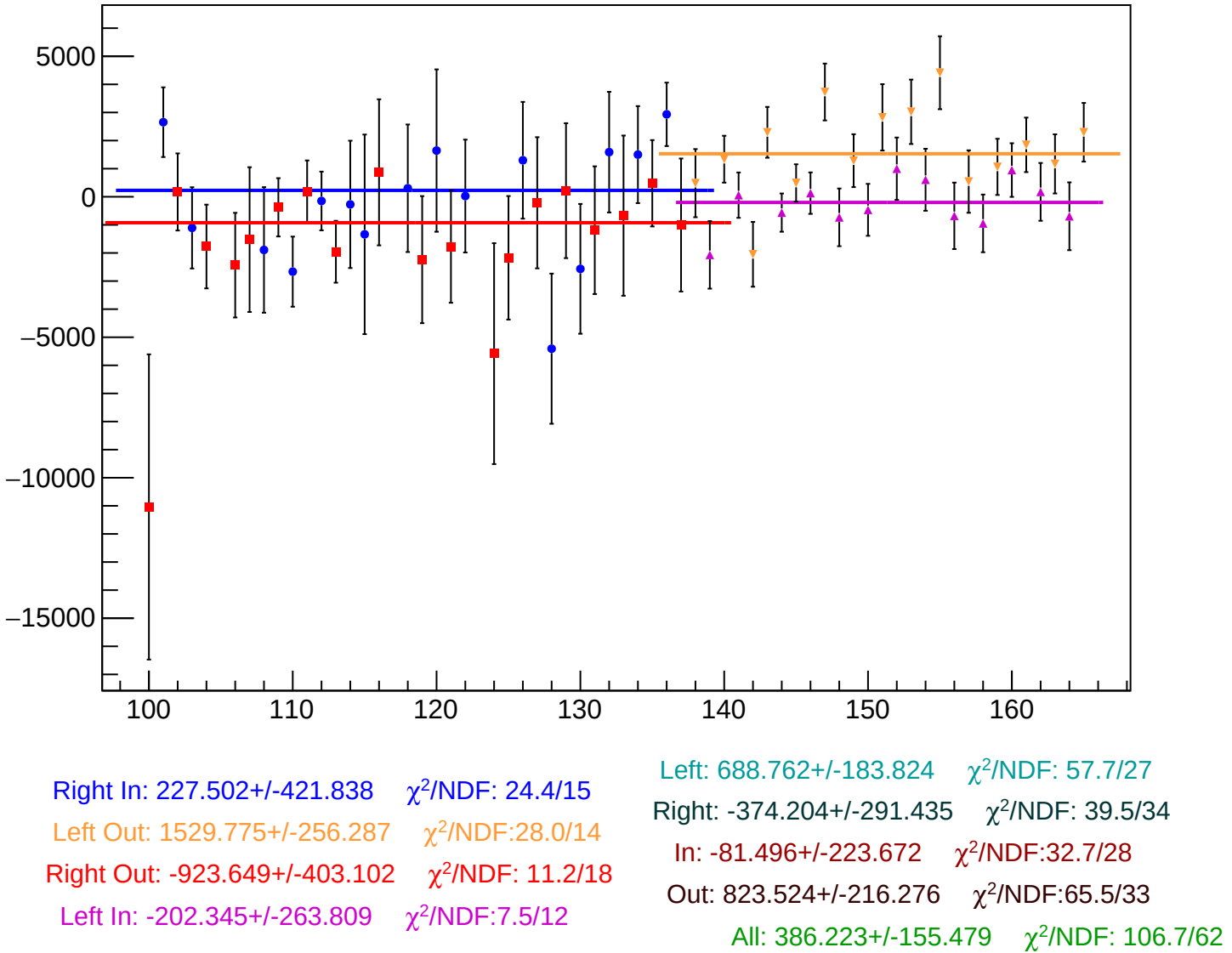
Left: 846.463+/-0.128 χ^2/NDF: 1430974.4/27

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

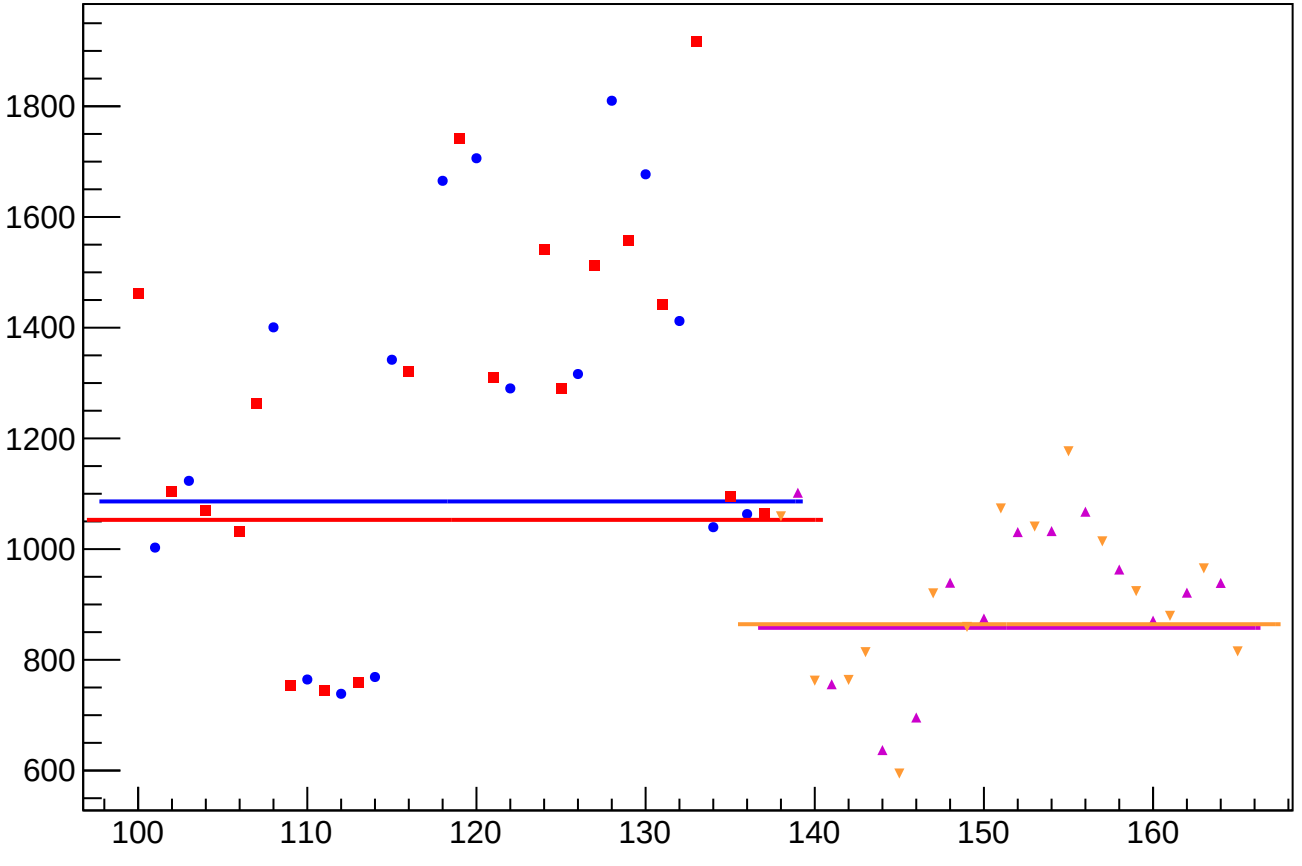
In: 908.991+/-0.156 χ^2/NDF:2134015.6/28

Out: 901.407+/-0.150 χ^2/NDF:2351866.8/33

All: 905.054+/-0.108 χ^2/NDF: 4487109.4/62


asym_sam_3748_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 227.502+/-421.838 χ²/NDF: 24.4/15
Left Out: 1529.775+/-256.287 χ²/NDF:28.0/14
Right Out: -923.649+/-403.102 χ²/NDF: 11.2/18
Left In: -202.345+/-263.809 χ²/NDF:7.5/12
Left: 688.762+/-183.824 χ²/NDF: 57.7/27
Right: -374.204+/-291.435 χ²/NDF: 39.5/34
In: -81.496+/-223.672 χ²/NDF:32.7/28
Out: 823.524+/-216.276 χ²/NDF:65.5/33
All: 386.223+/-155.479 χ²/NDF: 106.7/62

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 864.333+/-0.181 χ^2/NDF:731080.8/14

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 857.795+/-0.187 χ^2/NDF:634340.4/12

Left: 861.159+/-0.130 χ^2/NDF: 1366053.2/27

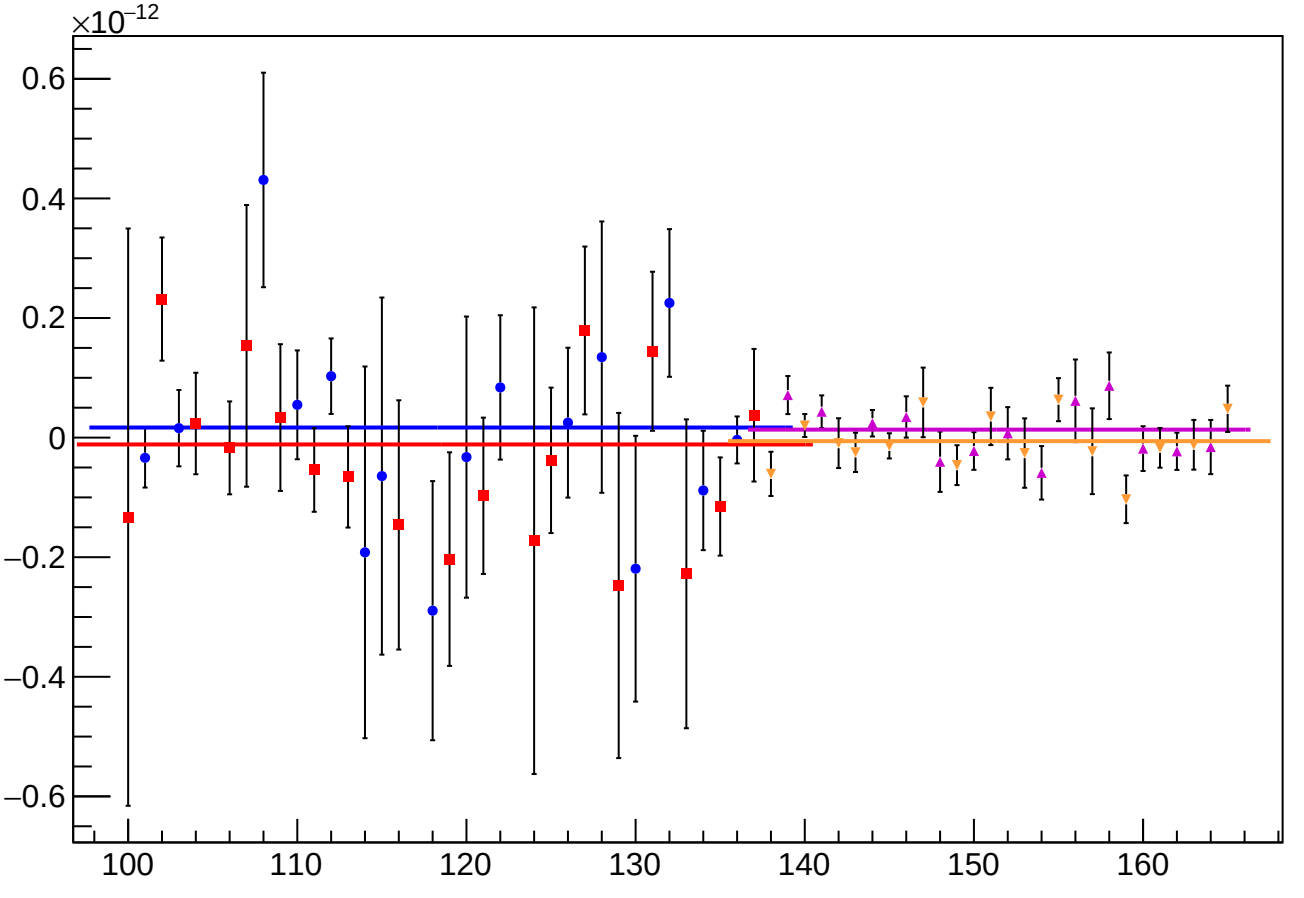
Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 921.992+/-0.158 χ^2/NDF:2103082.9/28

Out: 918.595+/-0.153 χ^2/NDF:2236941.4/33

All: 920.237+/-0.110 χ^2/NDF: 4340262.8/62

asym_sam_3748_avg_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:19.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/12

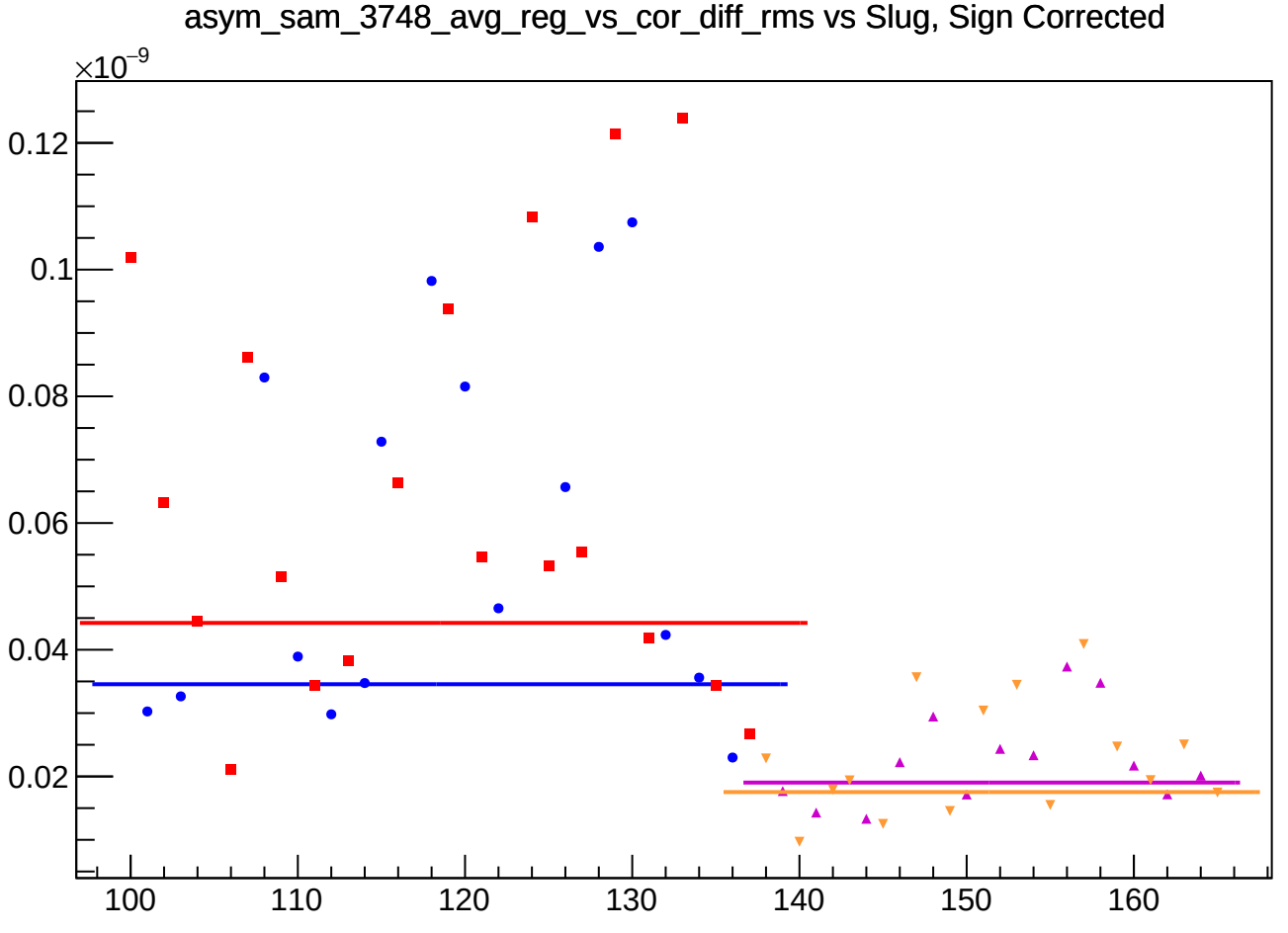
Left: 0.000+/-0.000 χ^2/NDF: 36.9/27

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:31.8/28

Out: -0.000+/-0.000 χ^2/NDF:35.7/33

All: 0.000+/-0.000 χ^2/NDF: 70.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1374231.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:674552.1/12

Left: 0.000+/-0.000 χ^2/NDF: 2074639.5/27

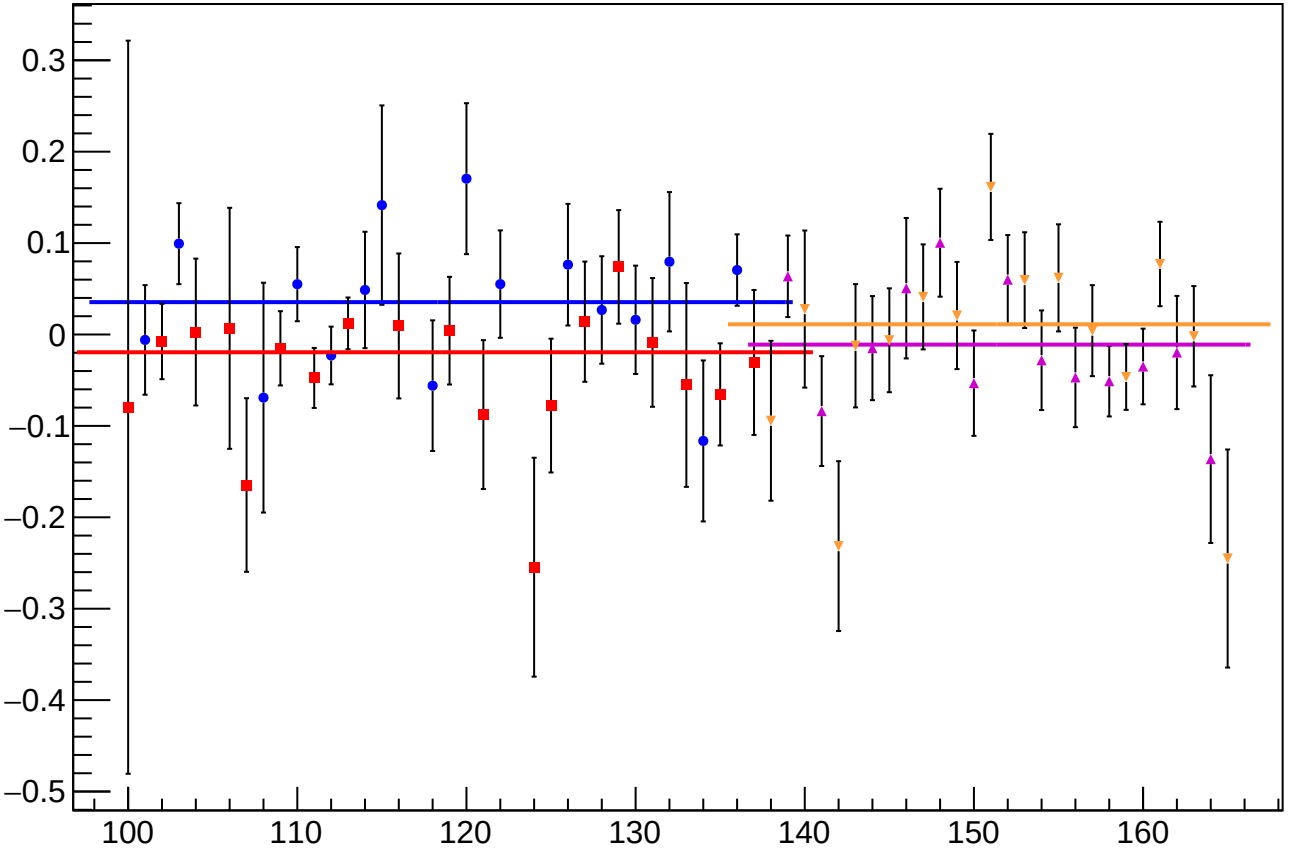
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2705290.7/28

Out: 0.000+/-0.000 χ^2/NDF:4226928.2/33

All: 0.000+/-0.000 χ^2/NDF: 6962844.6/62

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

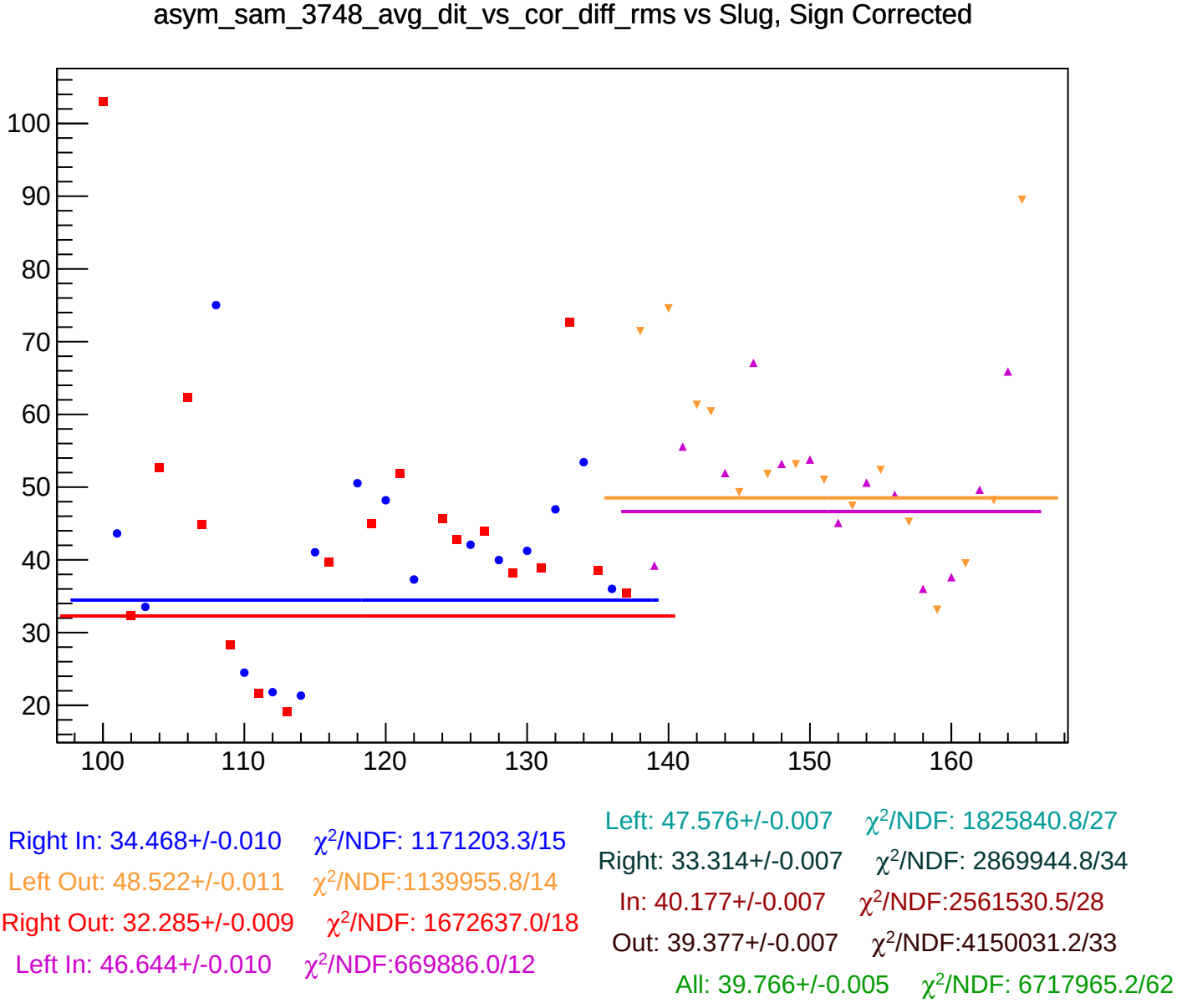
Left: -0.000+/-0.010 χ^2/NDF: 42.5/27

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

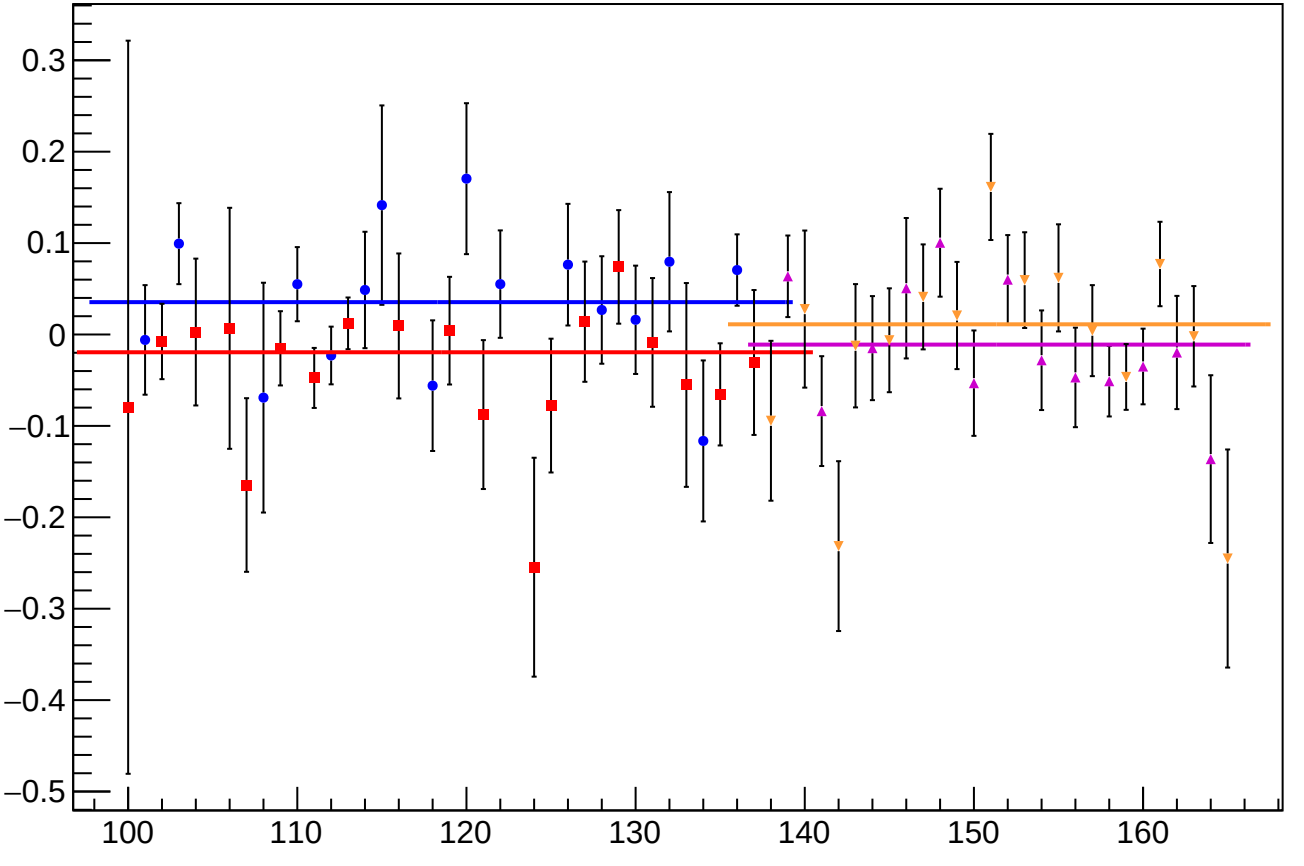
In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.003+/-0.007 χ^2/NDF: 81.3/62


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 48.522+/-0.011 χ²/NDF:1139955.8/14
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.644+/-0.010 χ²/NDF:669886.0/12
Left: 47.576+/-0.007 χ²/NDF: 1825840.8/27
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 40.177+/-0.007 χ²/NDF:2561530.5/28
Out: 39.377+/-0.007 χ²/NDF:4150031.2/33
All: 39.766+/-0.005 χ²/NDF: 6717965.2/62

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

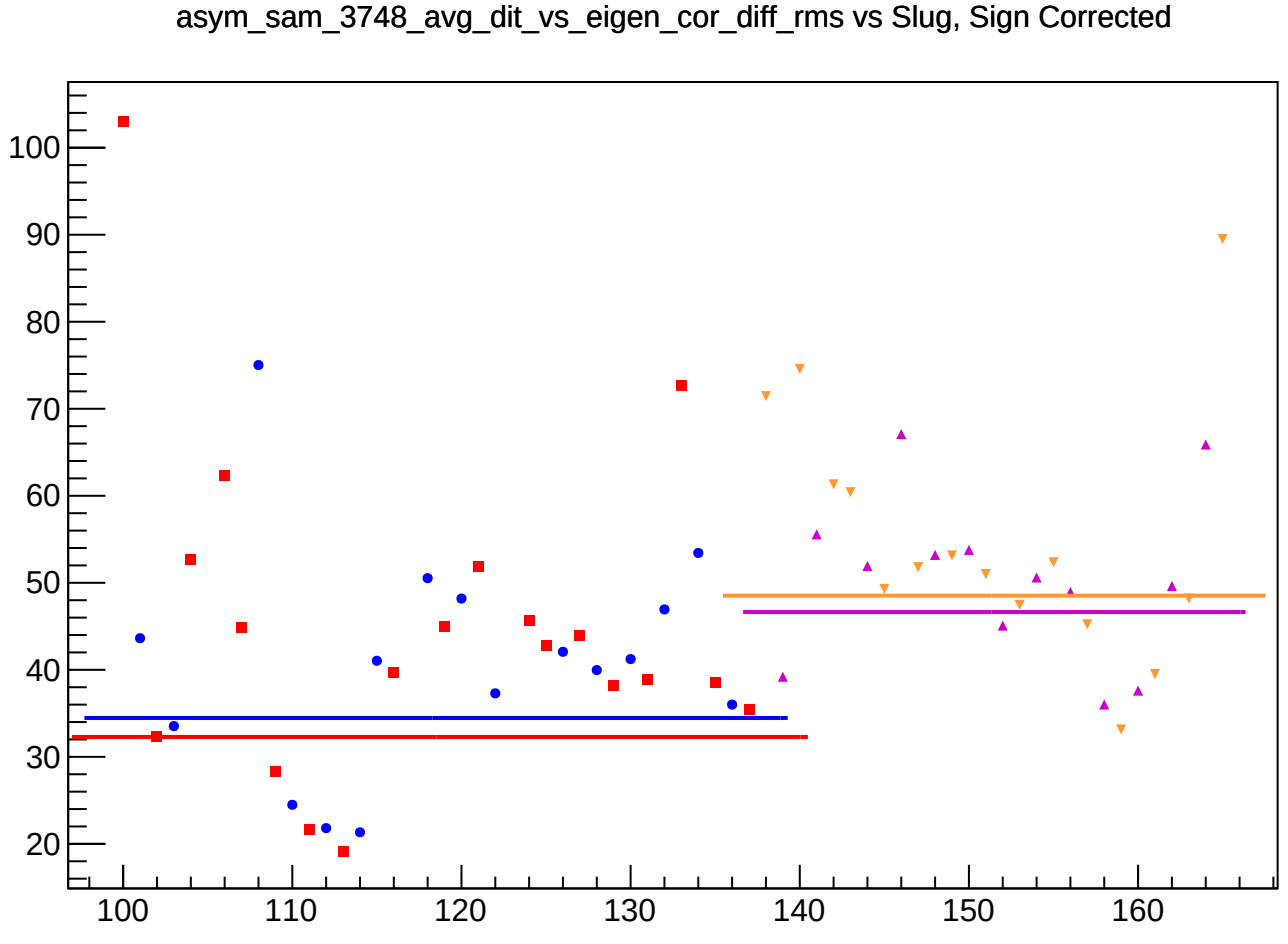
Left: -0.000+/-0.010 χ^2/NDF: 42.5/27

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.003+/-0.007 χ^2/NDF: 81.3/62



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.522+/-0.011 χ^2/NDF:1139955.8/14

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

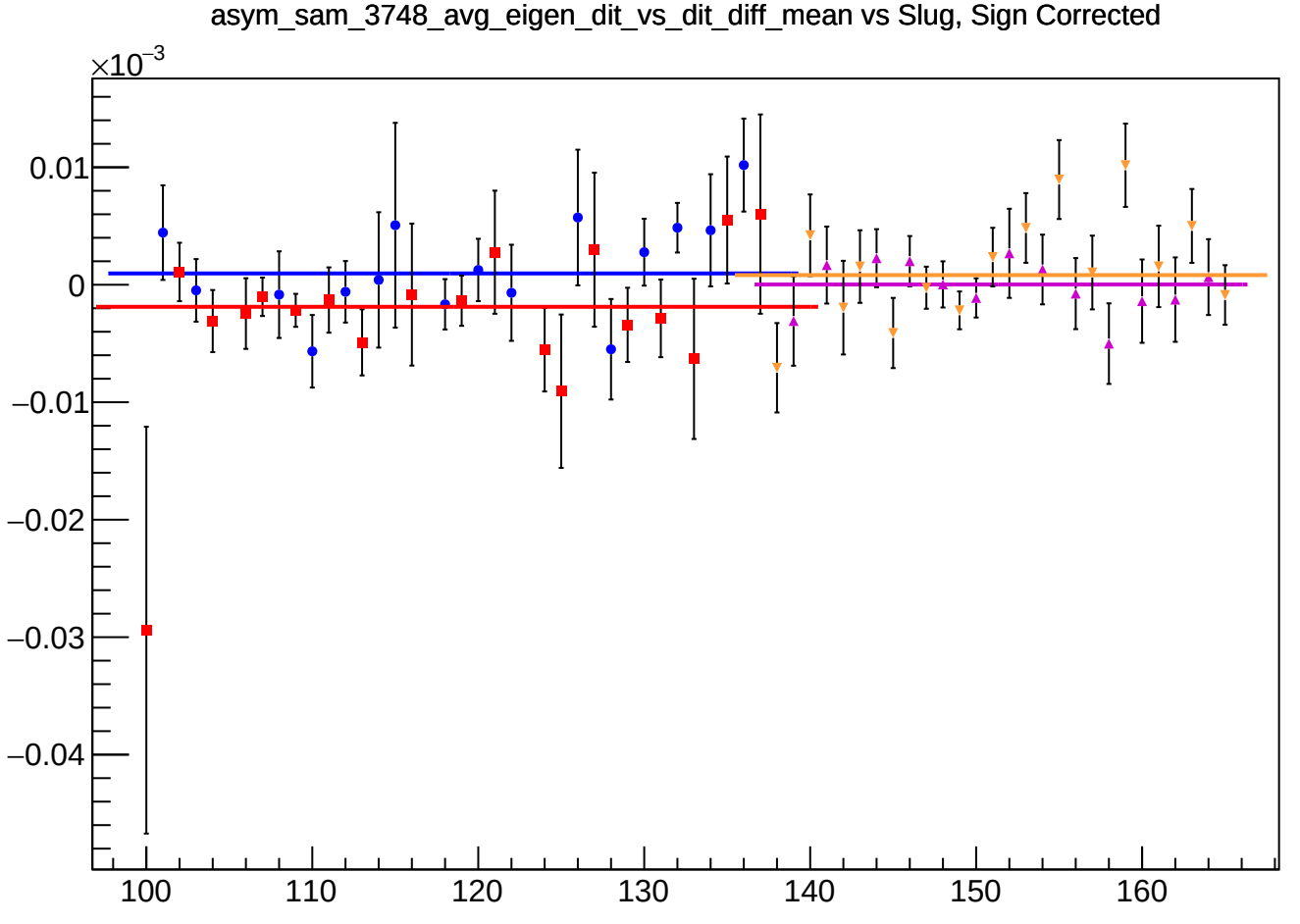
Left: 47.576+/-0.007 χ^2/NDF: 1825840.8/27

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.177+/-0.007 χ^2/NDF:2561530.5/28

Out: 39.377+/-0.007 χ^2/NDF:4150031.2/33

All: 39.766+/-0.005 χ^2/NDF: 6717965.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/12

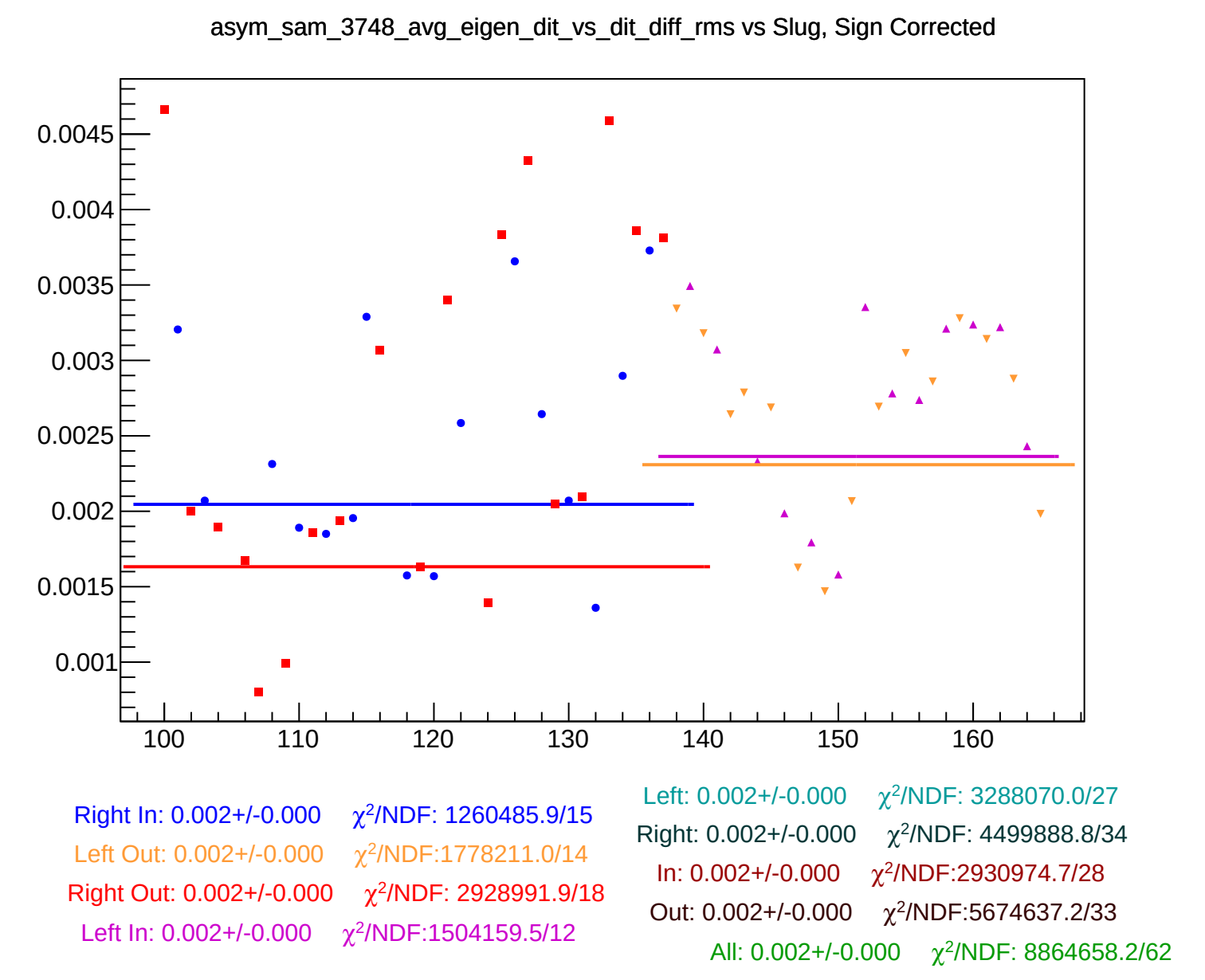
Left: 0.000+/-0.000 χ^2/NDF: 36.6/27

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:27.9/28

Out: -0.000+/-0.000 χ^2/NDF:50.2/33

All: -0.000+/-0.000 χ^2/NDF: 80.2/62


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
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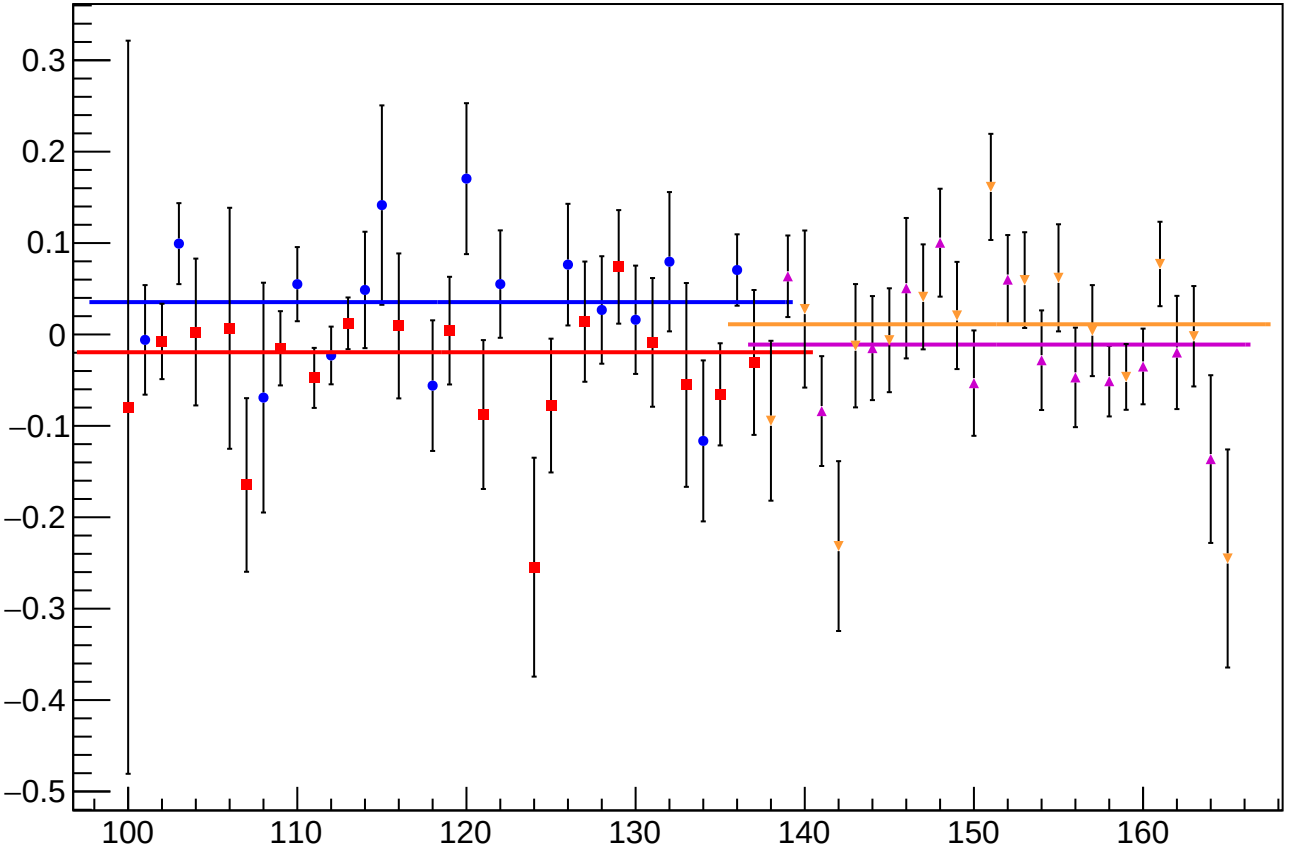
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1778211.0/14
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1504159.5/12
Left: 0.002+/-0.000 χ²/NDF: 3288070.0/27
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:2930974.7/28
Out: 0.002+/-0.000 χ²/NDF:5674637.2/33
All: 0.002+/-0.000 χ²/NDF: 8864658.2/62

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

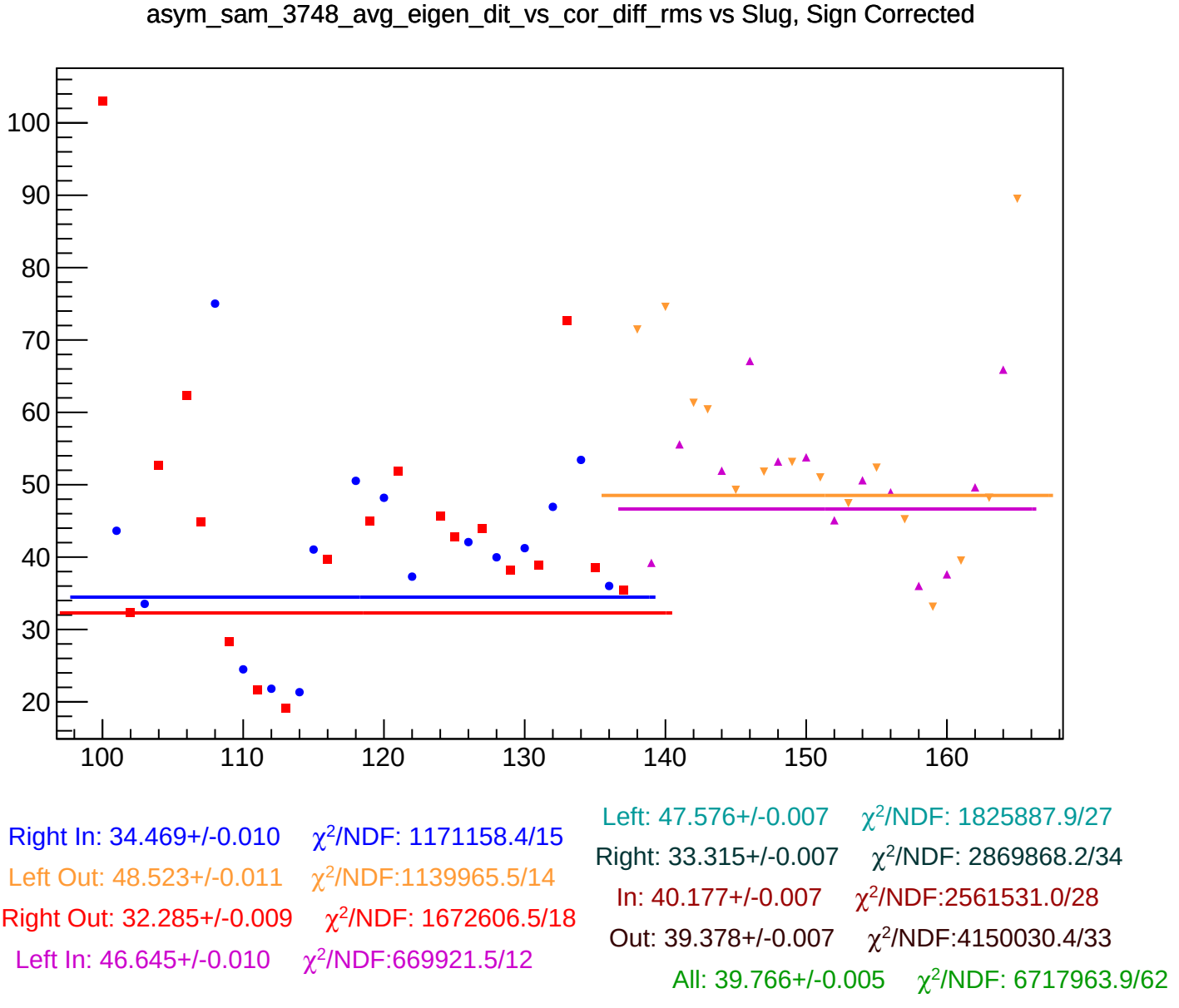
Left: -0.000+/-0.010 χ^2/NDF: 42.5/27

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

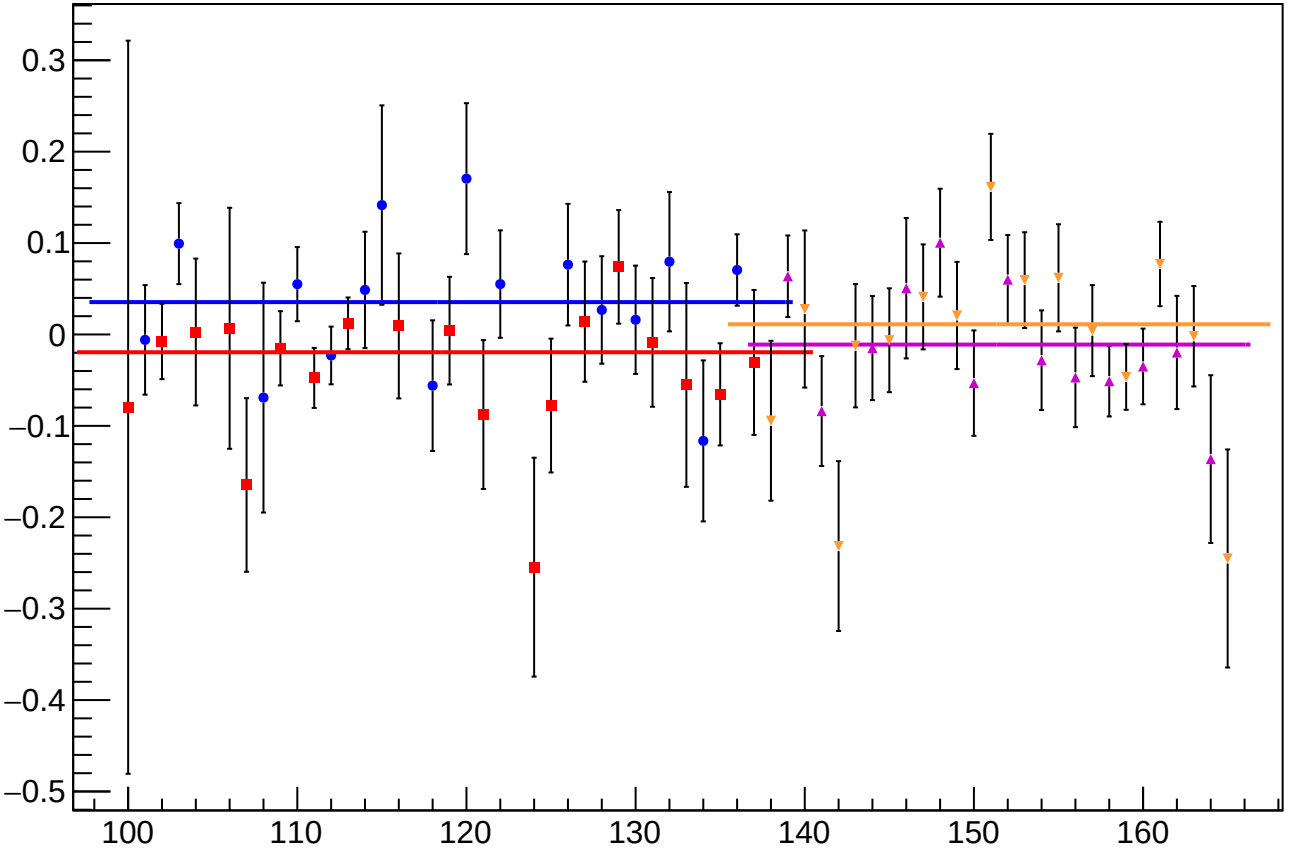
In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.003+/-0.007 χ^2/NDF: 81.3/62


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 48.523+/-0.011 χ²/NDF:1139965.5/14
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.645+/-0.010 χ²/NDF:669921.5/12
Left: 47.576+/-0.007 χ²/NDF: 1825887.9/27
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 40.177+/-0.007 χ²/NDF:2561531.0/28
Out: 39.378+/-0.007 χ²/NDF:4150030.4/33
All: 39.766+/-0.005 χ²/NDF: 6717963.9/62

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

Left: -0.000+/-0.010 χ^2/NDF: 42.5/27

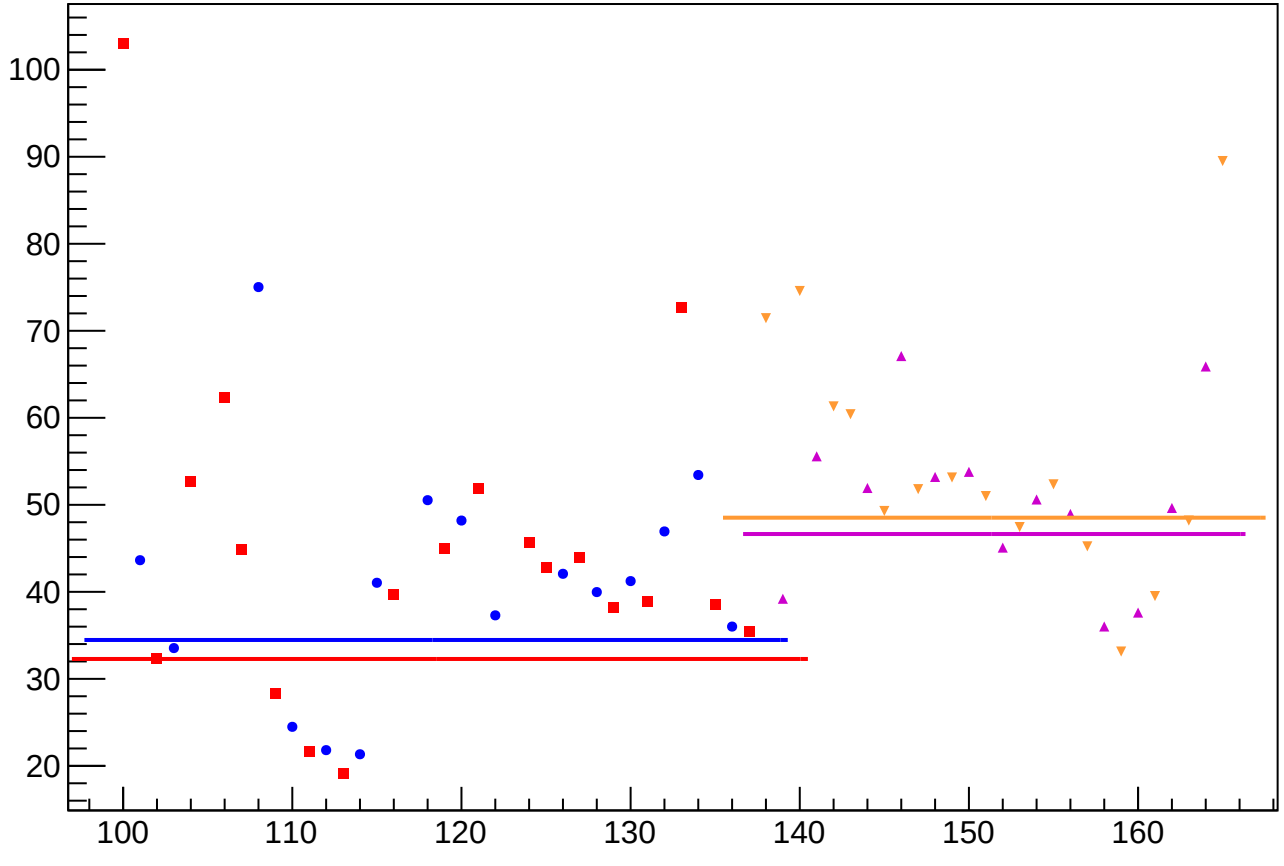
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.003+/-0.007 χ^2/NDF: 81.3/62

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.523+/-0.011 χ^2/NDF:1139965.5/14

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.645+/-0.010 χ^2/NDF:669921.5/12

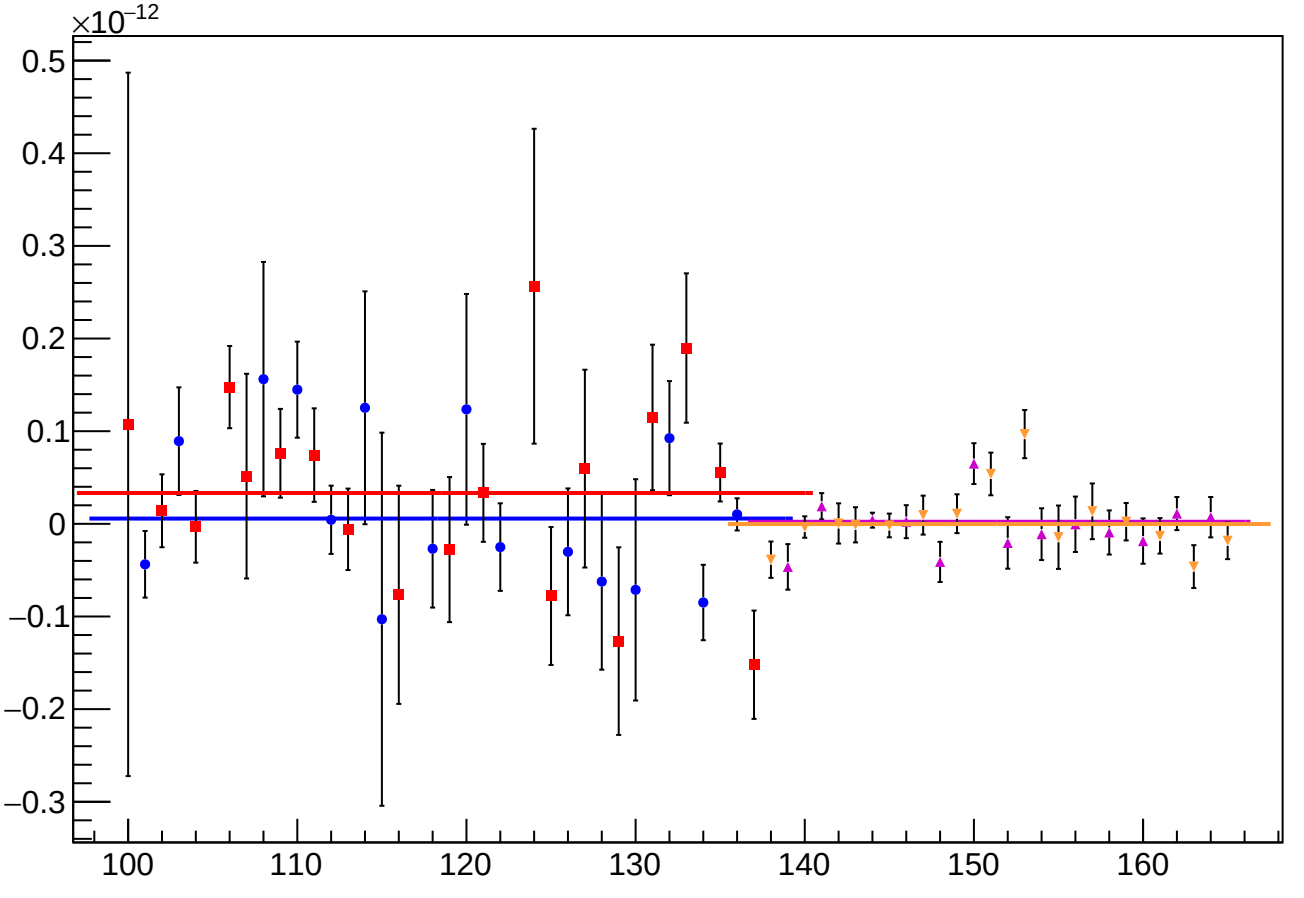
Left: 47.576+/-0.007 χ^2/NDF: 1825887.9/27

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.177+/-0.007 χ^2/NDF:2561531.0/28

Out: 39.378+/-0.007 χ^2/NDF:4150030.4/33

All: 39.766+/-0.005 χ^2/NDF: 6717963.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/12

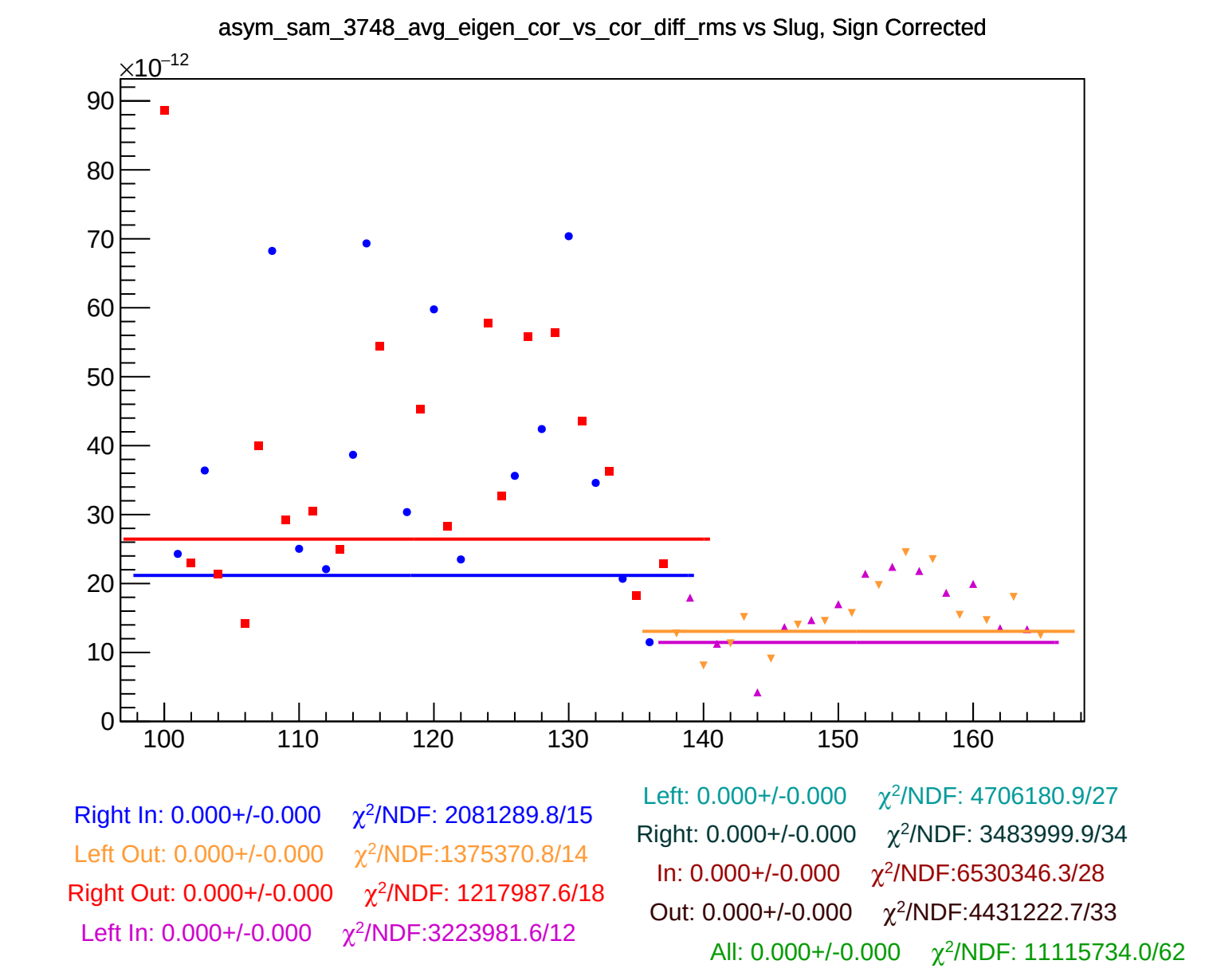
Left: 0.000+/-0.000 χ^2/NDF: 49.3/27

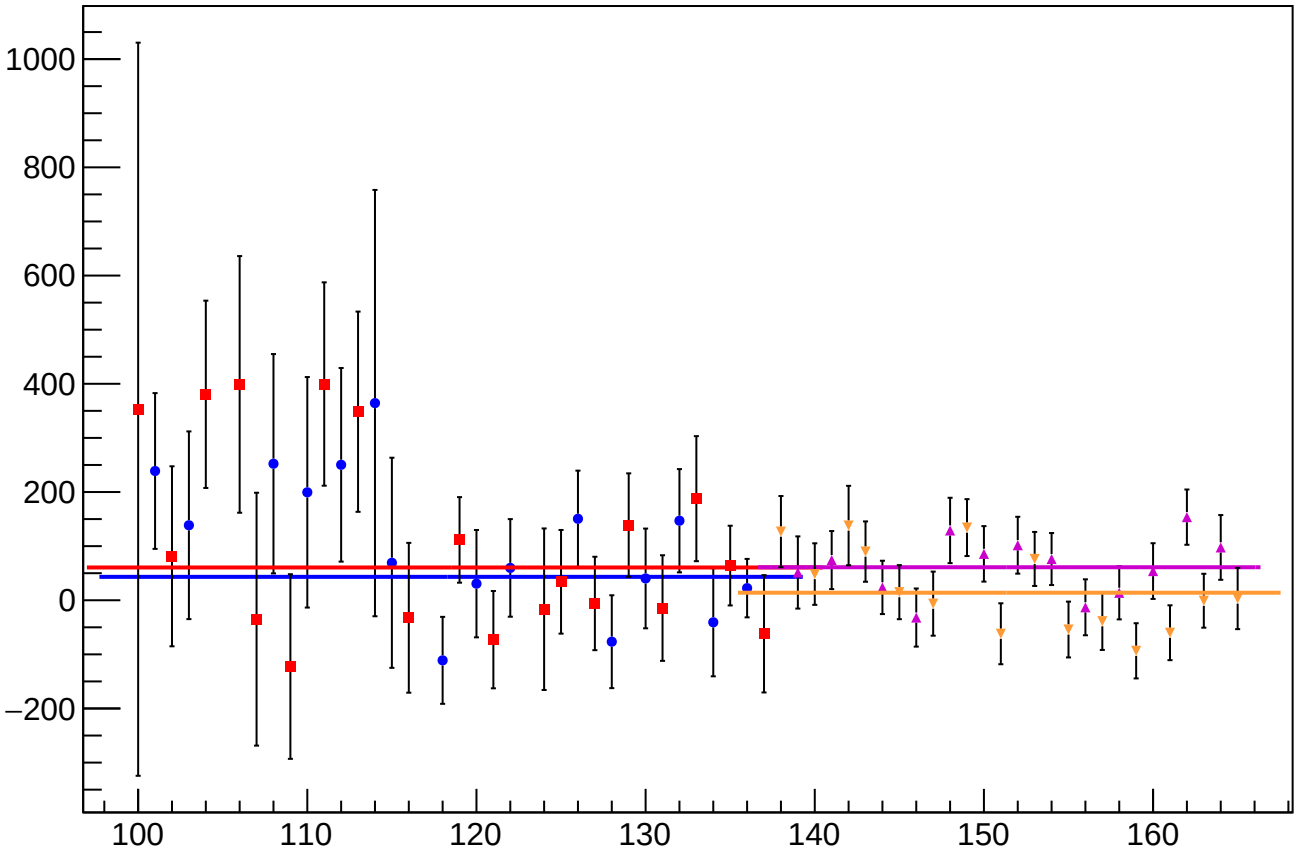
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:43.3/28

Out: 0.000+/-0.000 χ^2/NDF:68.7/33

All: 0.000+/-0.000 χ^2/NDF: 112.1/62


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
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1375370.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3223981.6/12
Left: 0.000+/-0.000 χ²/NDF: 4706180.9/27
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6530346.3/28
Out: 0.000+/-0.000 χ²/NDF:4431222.7/33
All: 0.000+/-0.000 χ²/NDF: 11115734.0/62



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.918+/-14.096 χ^2/NDF:26.2/14

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 61.009+/-14.730 χ^2/NDF:12.5/12

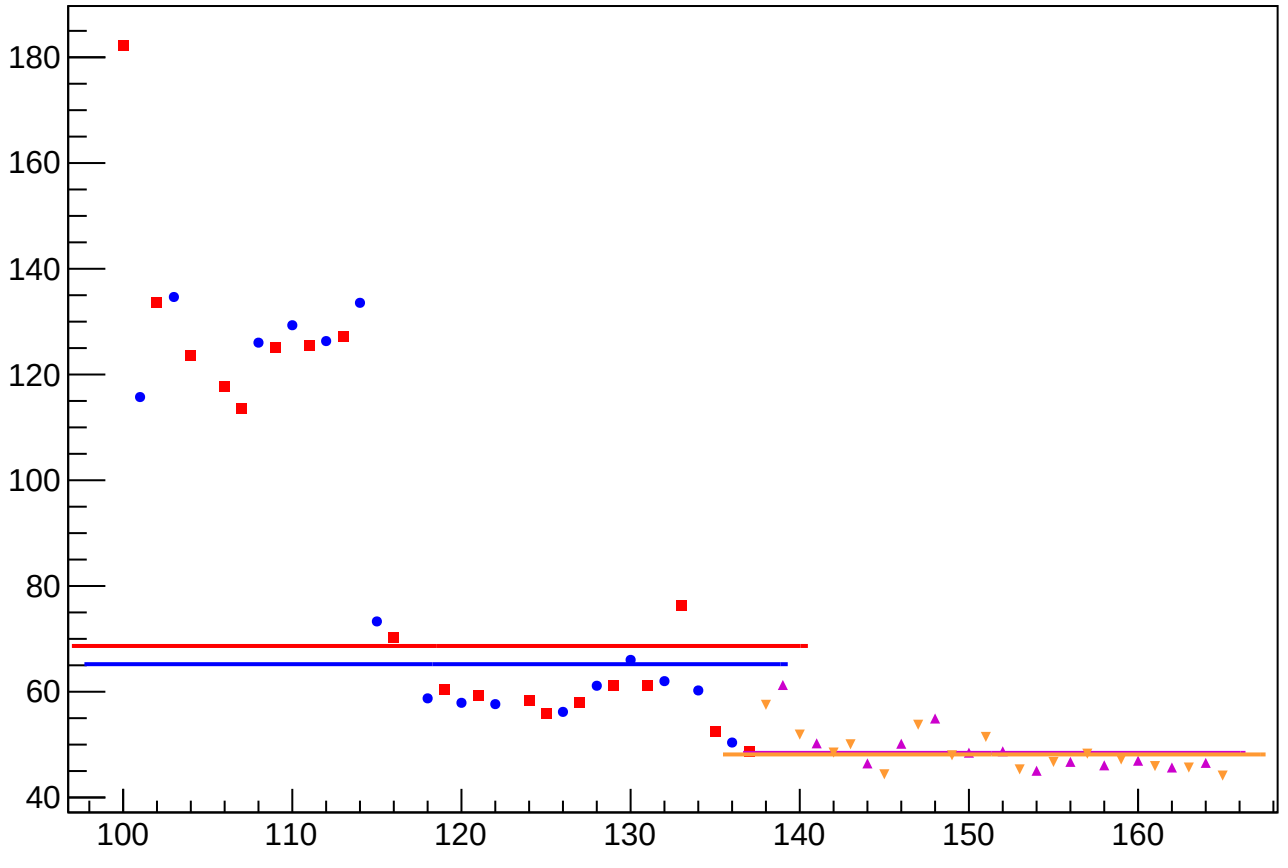
Left: 36.429+/-10.184 χ^2/NDF: 44.0/27

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 56.638+/-12.790 χ^2/NDF:27.8/28

Out: 23.975+/-12.485 χ^2/NDF:49.0/33

All: 39.913+/-8.934 χ^2/NDF: 80.1/62



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

Left: 48.280+/-0.007 χ^2/NDF: 247084.9/27

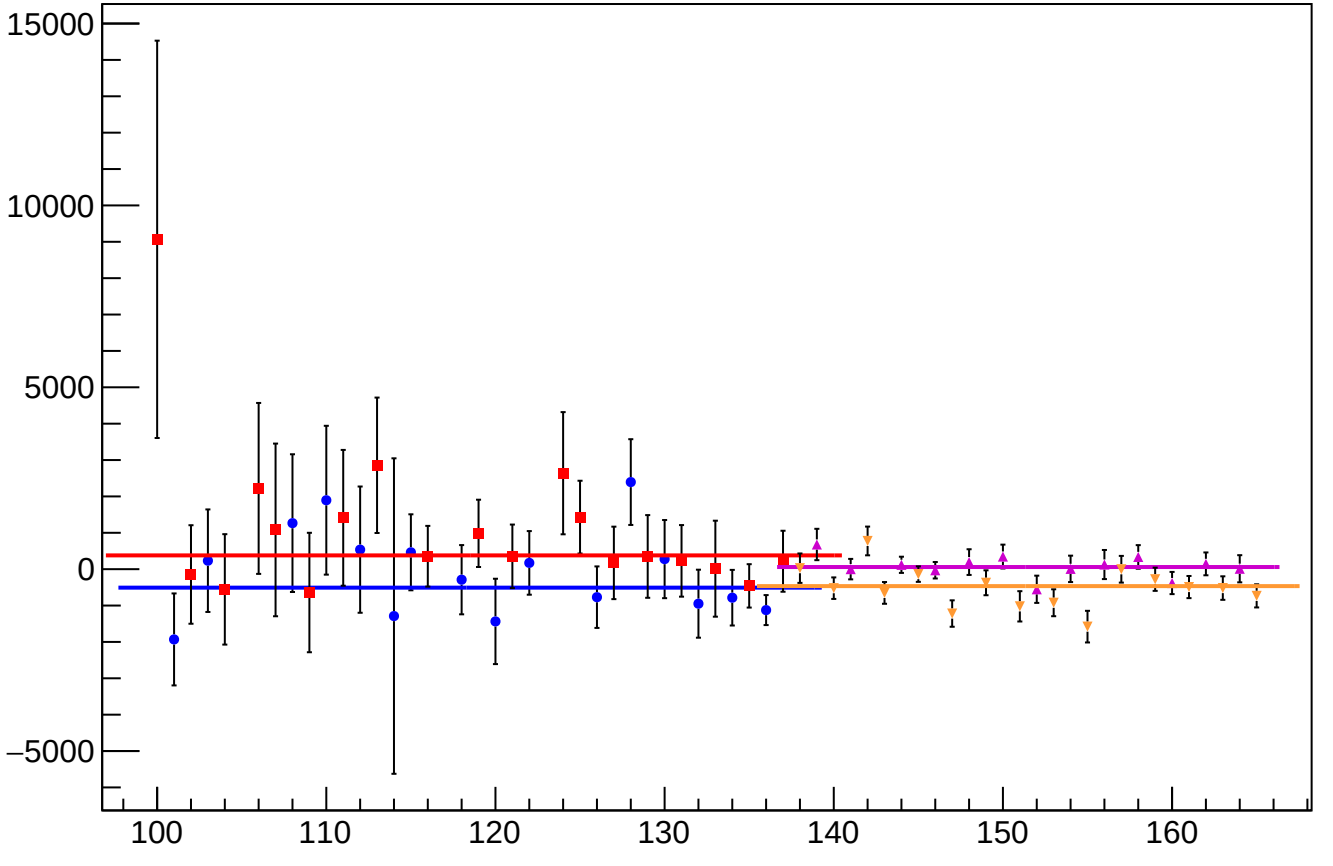
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 52.563+/-0.009 χ^2/NDF:2216302.7/28

Out: 52.561+/-0.009 χ^2/NDF:2669580.4/33

All: 52.562+/-0.006 χ^2/NDF: 4885883.1/62

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: -465.793+/-84.777 χ^2/NDF:31.1/14

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 59.084+/-86.518 χ^2/NDF:8.9/12

Left: -208.688+/-60.552 χ^2/NDF: 58.8/27

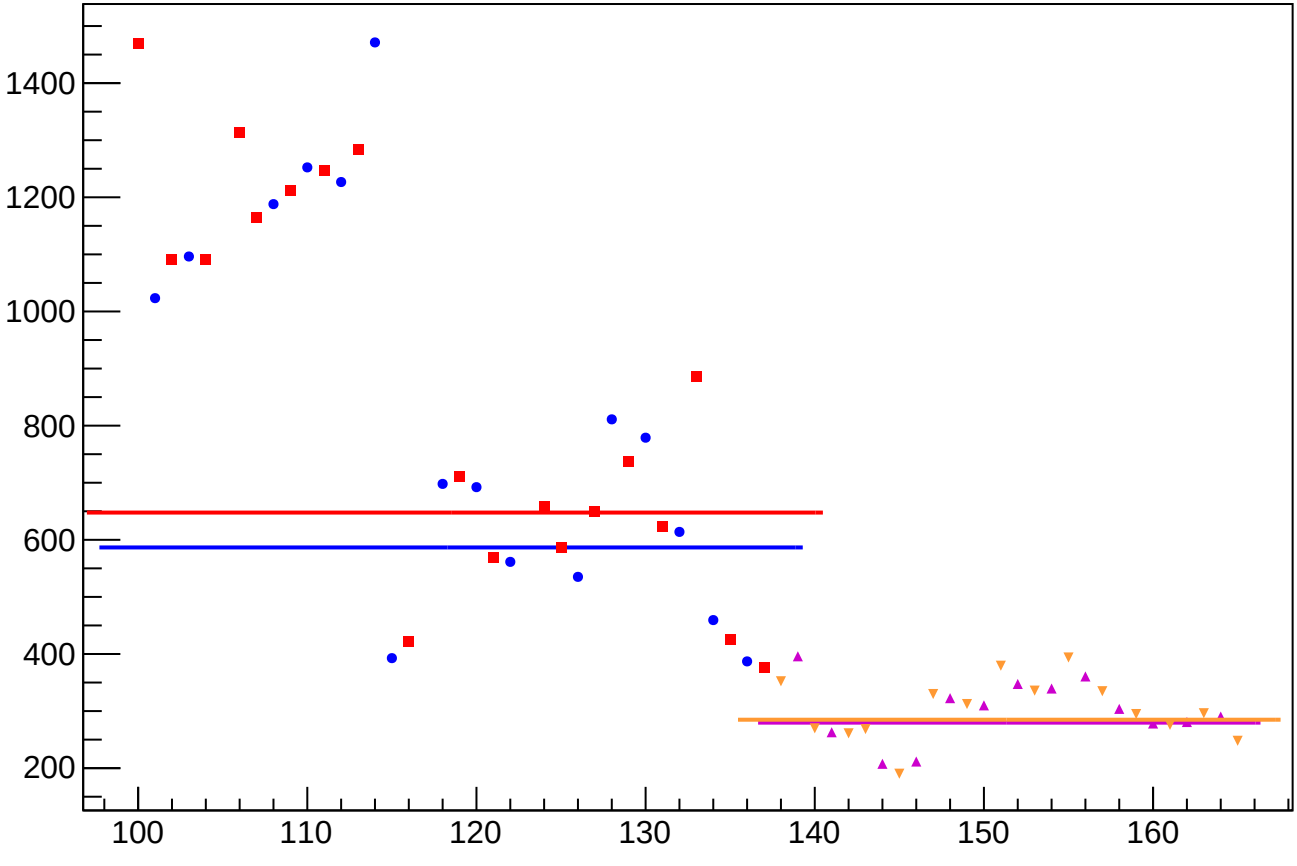
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -7.620+/-81.269 χ^2/NDF:29.6/28

Out: -382.553+/-80.492 χ^2/NDF:52.6/33

All: -196.890+/-57.189 χ^2/NDF: 92.9/62

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 284.877+/-0.060 χ^2/NDF:848639.7/14

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 279.756+/-0.061 χ^2/NDF:804169.2/12

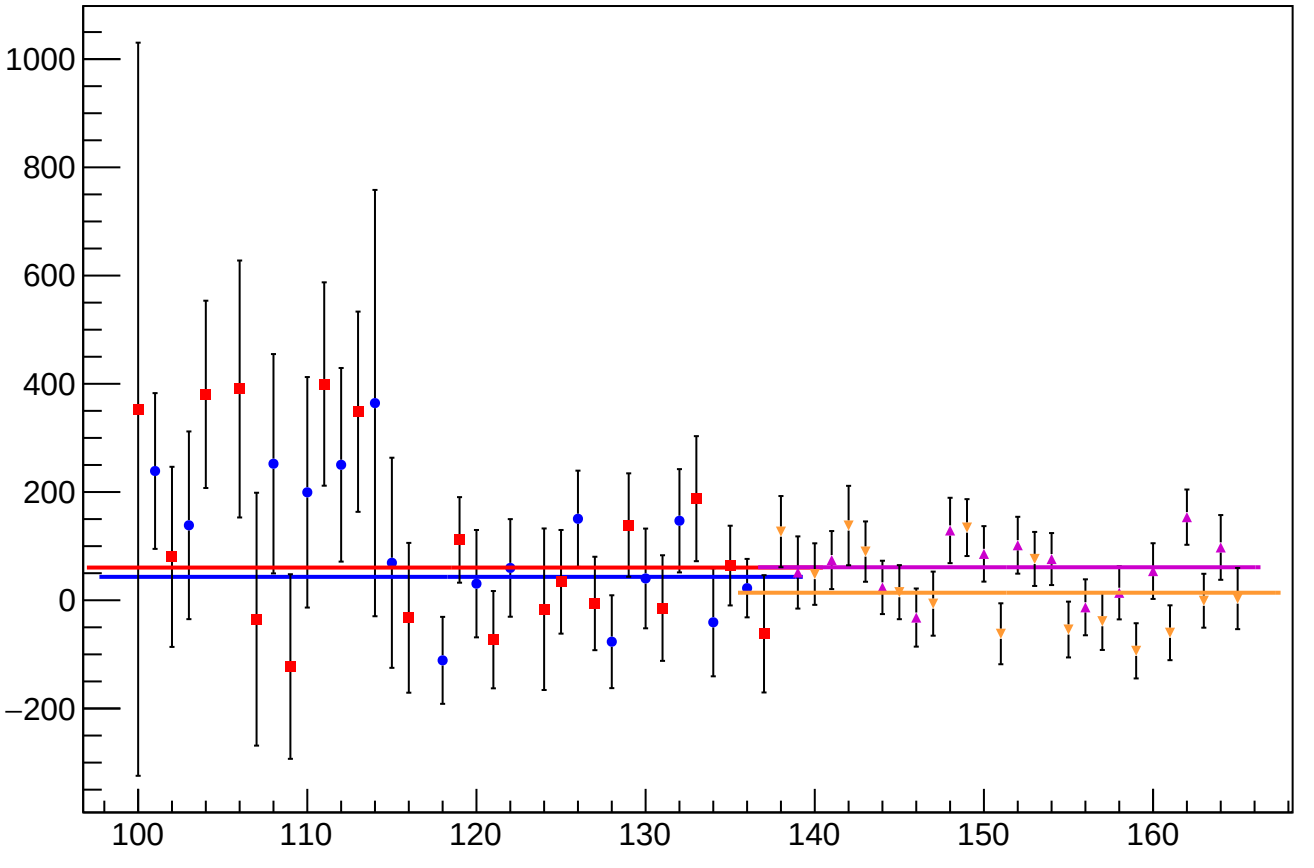
Left: 282.369+/-0.043 χ^2/NDF: 1656383.5/27

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 315.859+/-0.057 χ^2/NDF:5817657.6/28

Out: 320.636+/-0.057 χ^2/NDF:6564957.4/33

All: 318.270+/-0.040 χ^2/NDF: 12386102.5/62



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.919+/-14.096 χ^2/NDF:26.2/14

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 61.008+/-14.730 χ^2/NDF:12.5/12

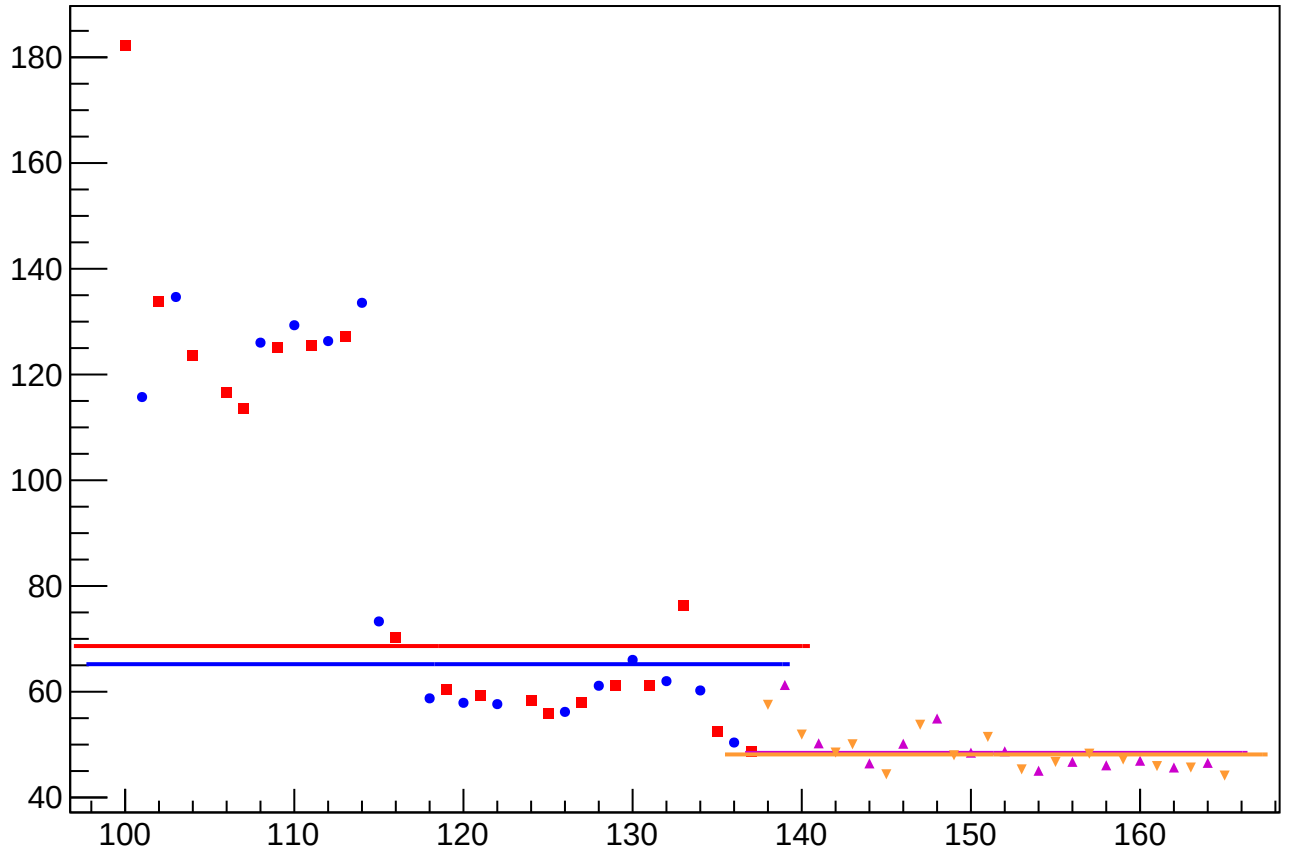
Left: 36.429+/-10.184 χ^2/NDF: 44.0/27

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 56.635+/-12.790 χ^2/NDF:27.8/28

Out: 23.943+/-12.485 χ^2/NDF:48.8/33

All: 39.896+/-8.934 χ^2/NDF: 80.0/62



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

Left: 48.280+/-0.007 χ^2/NDF: 247084.9/27

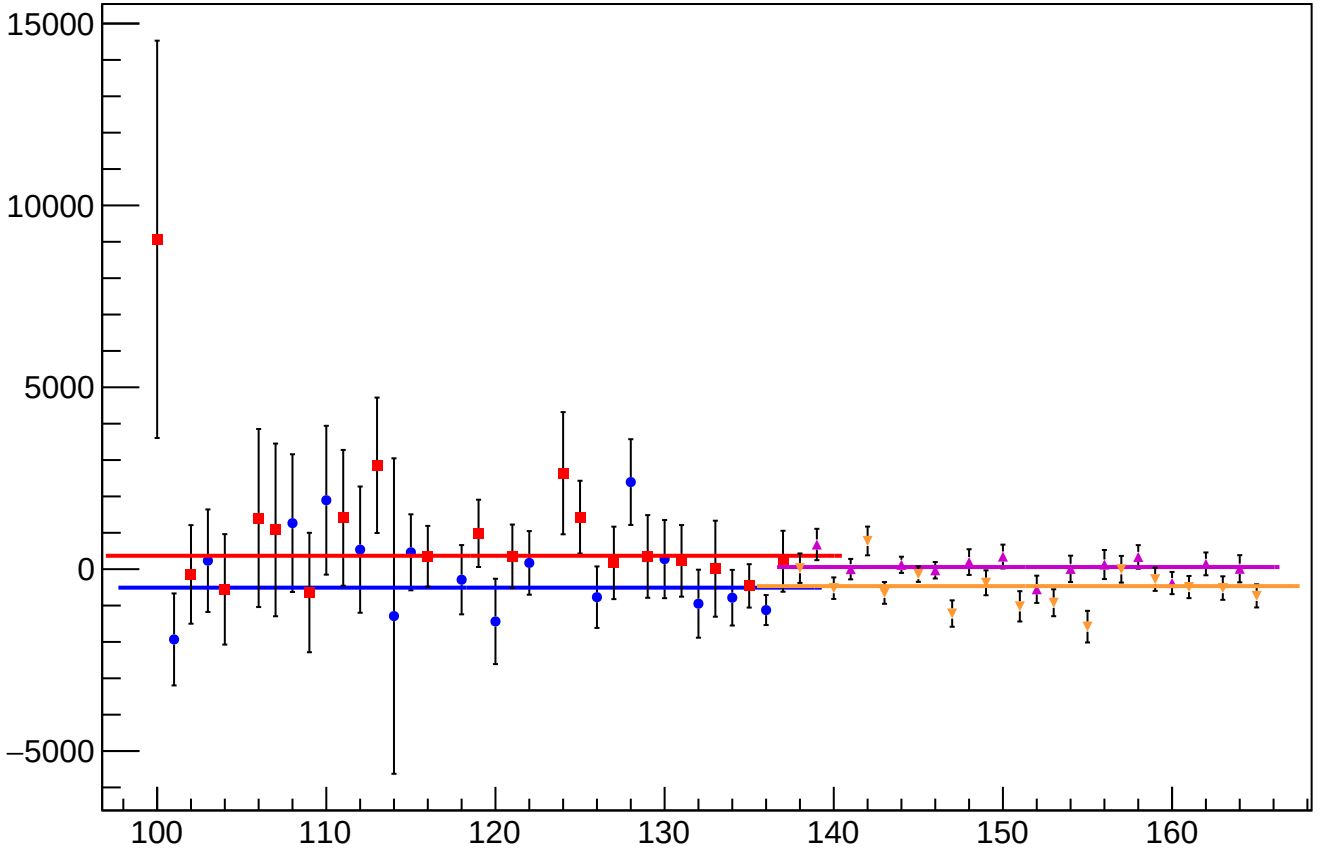
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.563+/-0.009 χ^2/NDF:2216304.7/28

Out: 52.557+/-0.009 χ^2/NDF:2664913.8/33

All: 52.560+/-0.006 χ^2/NDF: 4881218.8/62

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.790+/-84.777 χ^2/NDF:31.1/14

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 59.084+/-86.518 χ^2/NDF:8.9/12

Left: -208.686+/-60.552 χ^2/NDF: 58.8/27

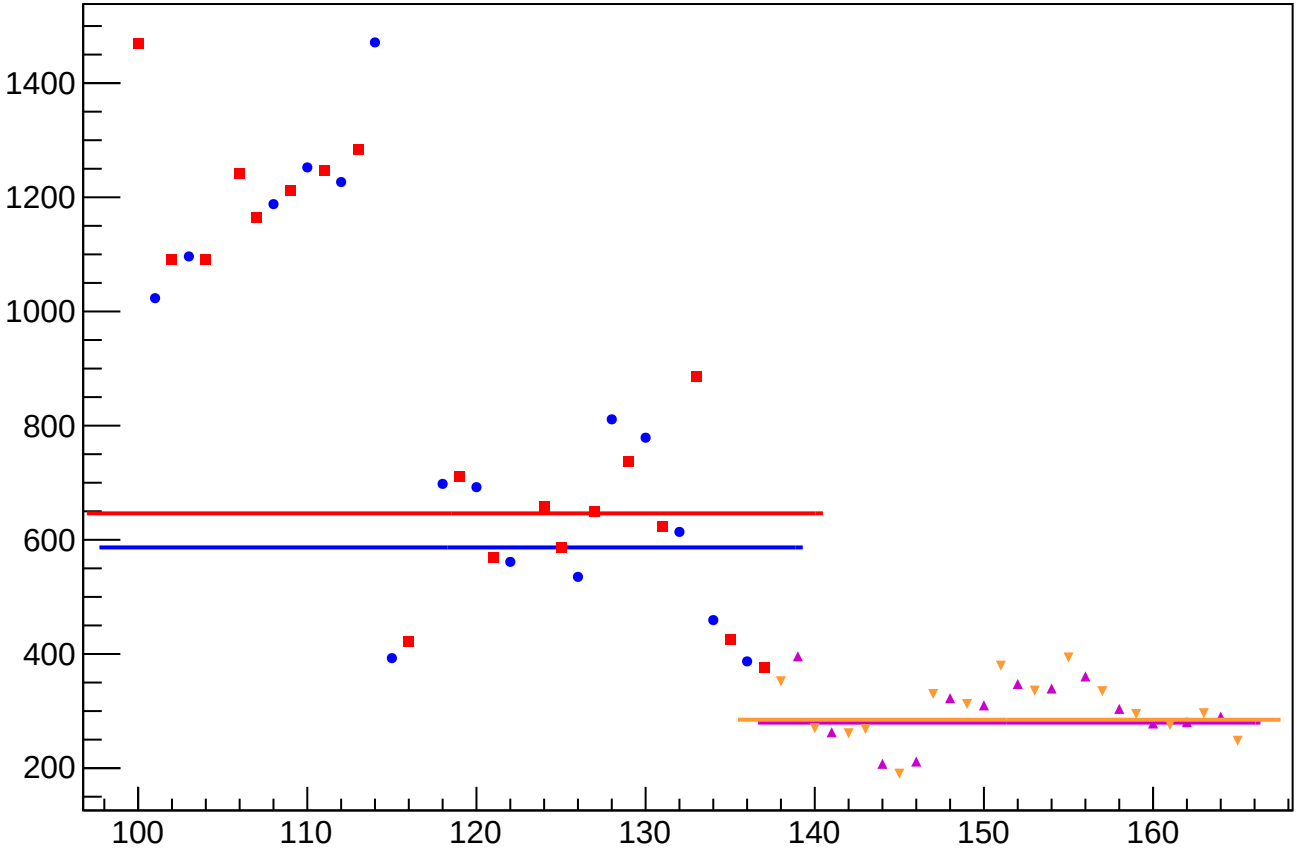
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -7.618+/-81.269 χ^2/NDF:29.6/28

Out: -383.664+/-80.495 χ^2/NDF:52.0/33

All: -197.441+/-57.191 χ^2/NDF: 92.3/62

asym_sam_1526_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 284.877+/-0.060 χ^2/NDF:848643.6/14

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

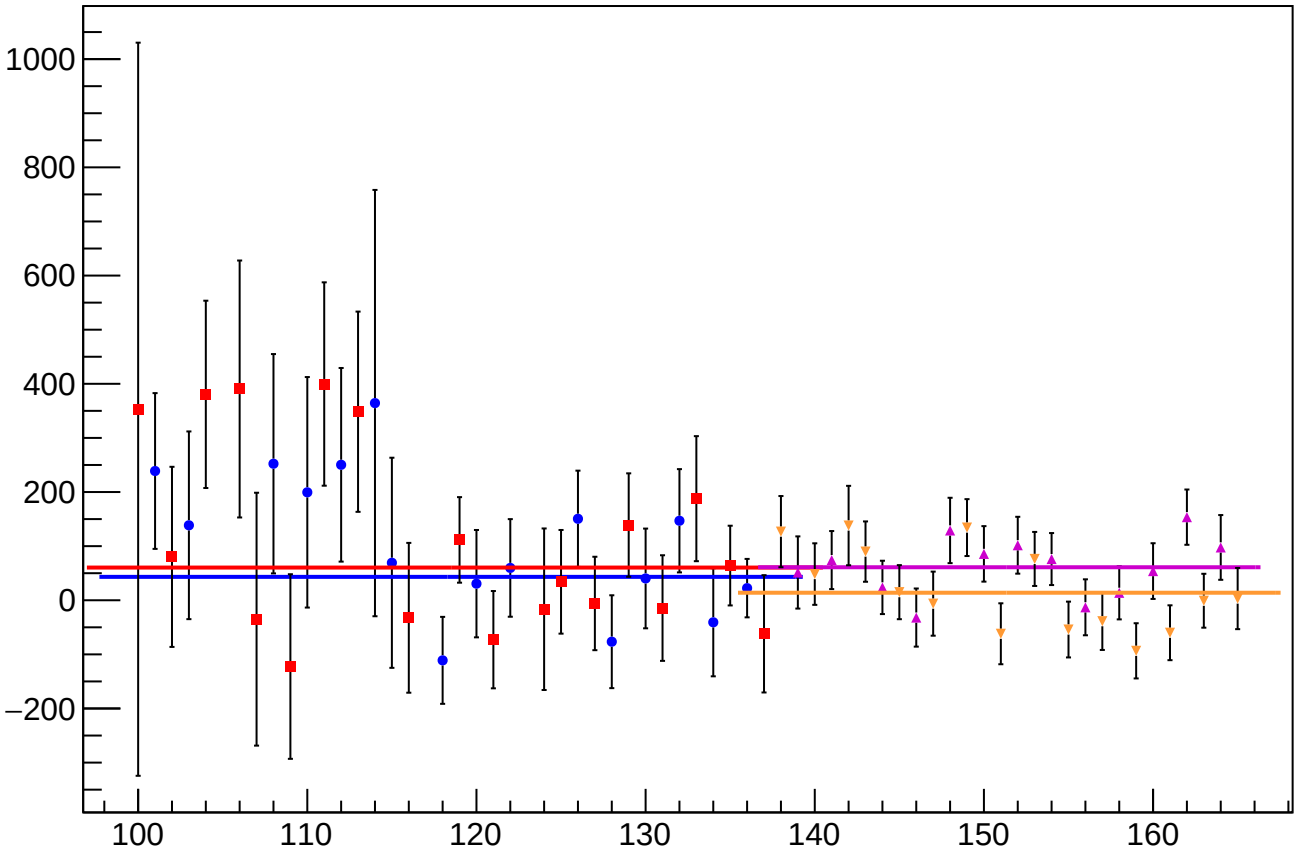
Left: 282.369+/-0.043 χ^2/NDF: 1656382.5/27

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 315.859+/-0.057 χ^2/NDF:5817674.5/28

Out: 320.465+/-0.057 χ^2/NDF:6491347.8/33

All: 318.184+/-0.040 χ^2/NDF: 12312265.0/62



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.919+/-14.096 χ^2/NDF:26.2/14

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 61.008+/-14.730 χ^2/NDF:12.5/12

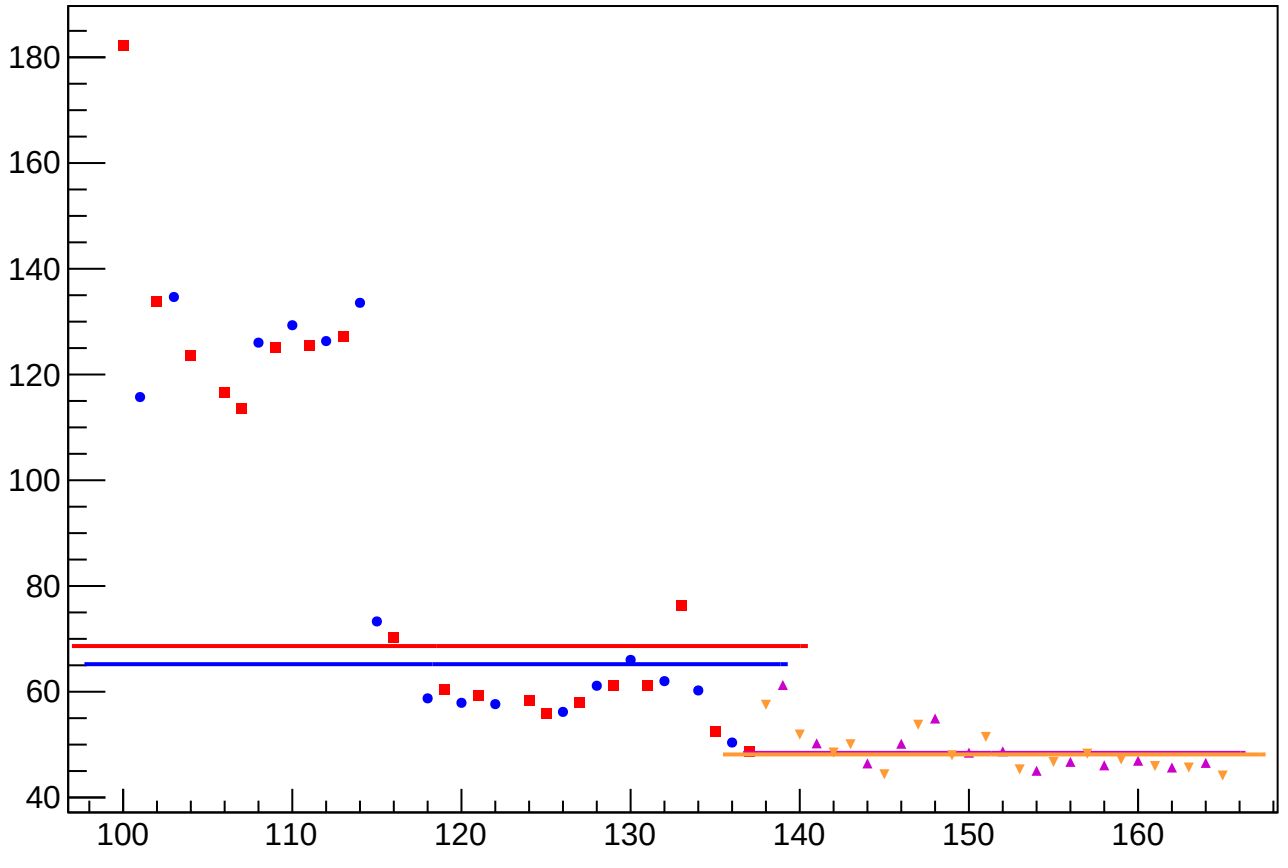
Left: 36.429+/-10.184 χ^2/NDF: 44.0/27

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 56.635+/-12.790 χ^2/NDF:27.8/28

Out: 23.943+/-12.485 χ^2/NDF:48.8/33

All: 39.896+/-8.934 χ^2/NDF: 80.0/62



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

Left: 48.280+/-0.007 χ^2/NDF: 247084.9/27

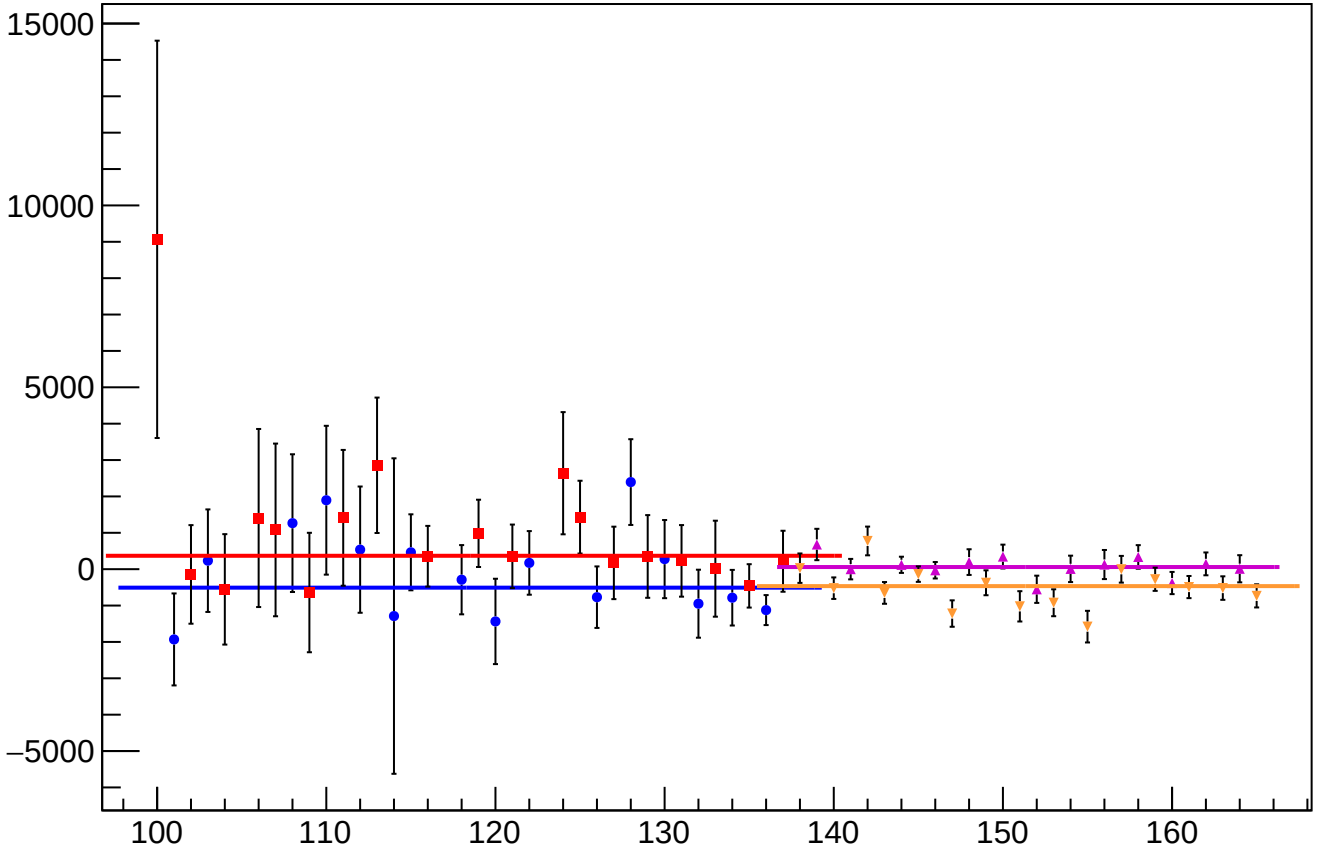
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.563+/-0.009 χ^2/NDF:2216304.7/28

Out: 52.557+/-0.009 χ^2/NDF:2664913.8/33

All: 52.560+/-0.006 χ^2/NDF: 4881218.8/62

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: -465.790+/-84.777 χ^2/NDF:31.1/14

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 59.084+/-86.518 χ^2/NDF:8.9/12

Left: -208.686+/-60.552 χ^2/NDF: 58.8/27

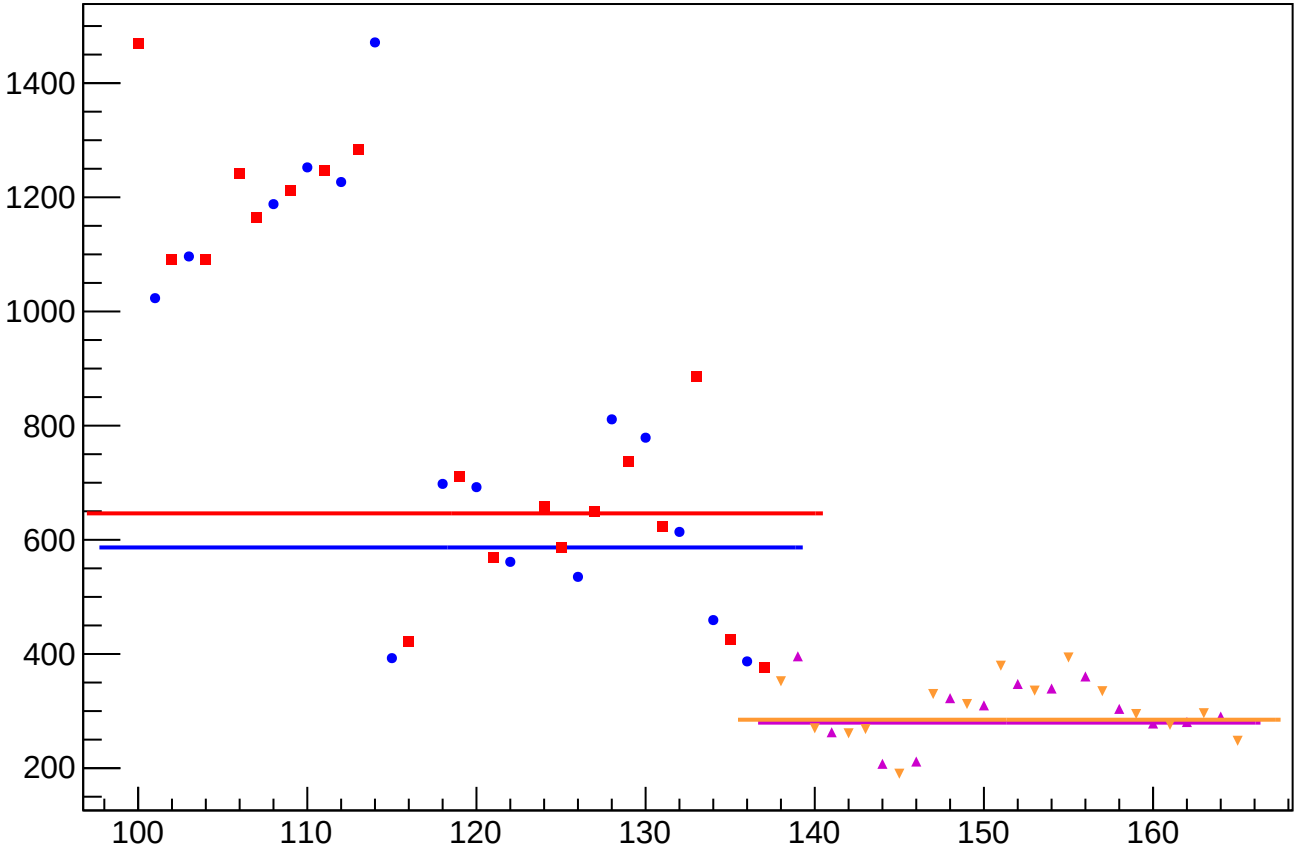
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -7.618+/-81.269 χ^2/NDF:29.6/28

Out: -383.664+/-80.495 χ^2/NDF:52.0/33

All: -197.441+/-57.191 χ^2/NDF: 92.3/62

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: 284.877+/-0.060 χ^2/NDF:848643.6/14

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

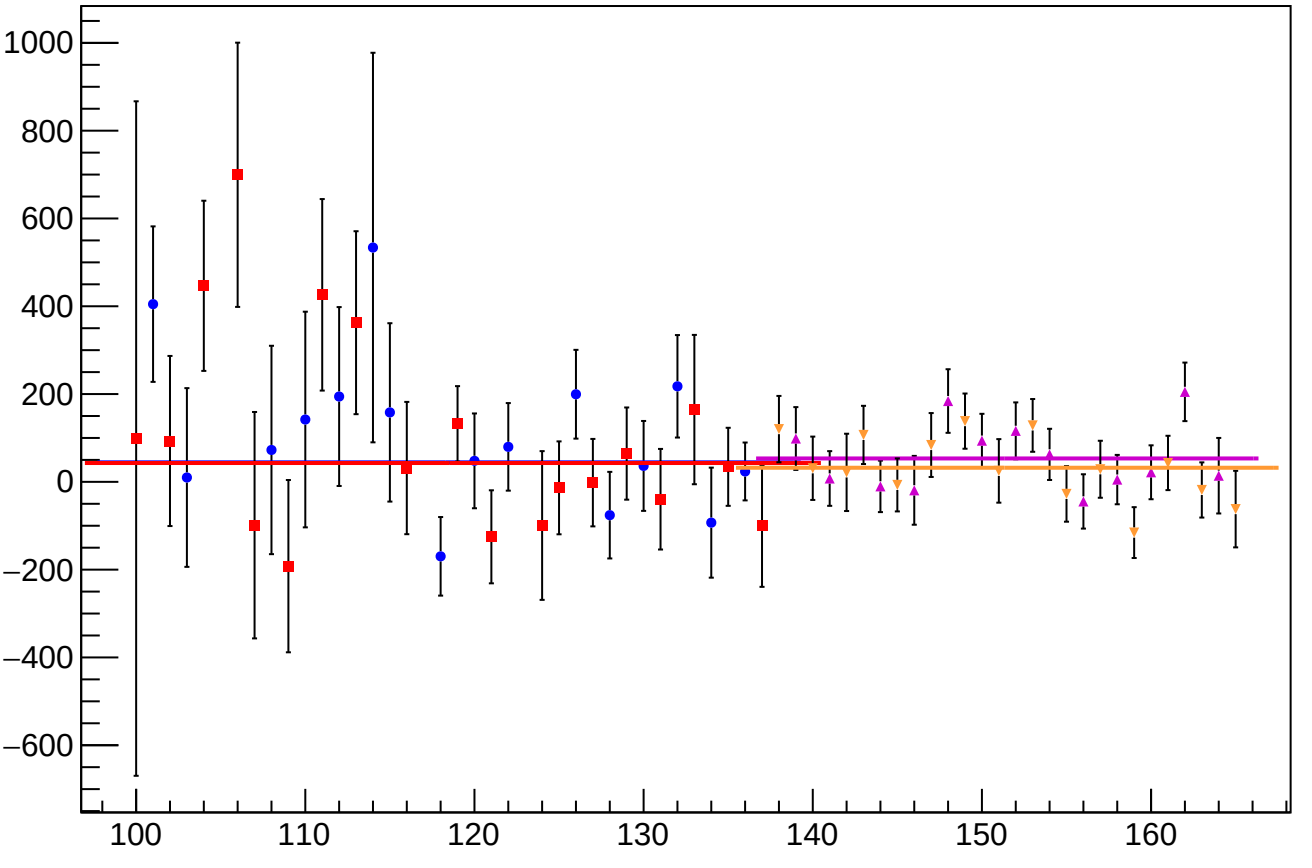
Left: 282.369+/-0.043 χ^2/NDF: 1656382.5/27

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 315.859+/-0.057 χ^2/NDF:5817674.5/28

Out: 320.465+/-0.057 χ^2/NDF:6491347.8/33

All: 318.184+/-0.040 χ^2/NDF: 12312265.0/62



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 32.117+/-17.309 χ^2/NDF:18.2/14

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 53.302+/-17.963 χ^2/NDF:16.5/12

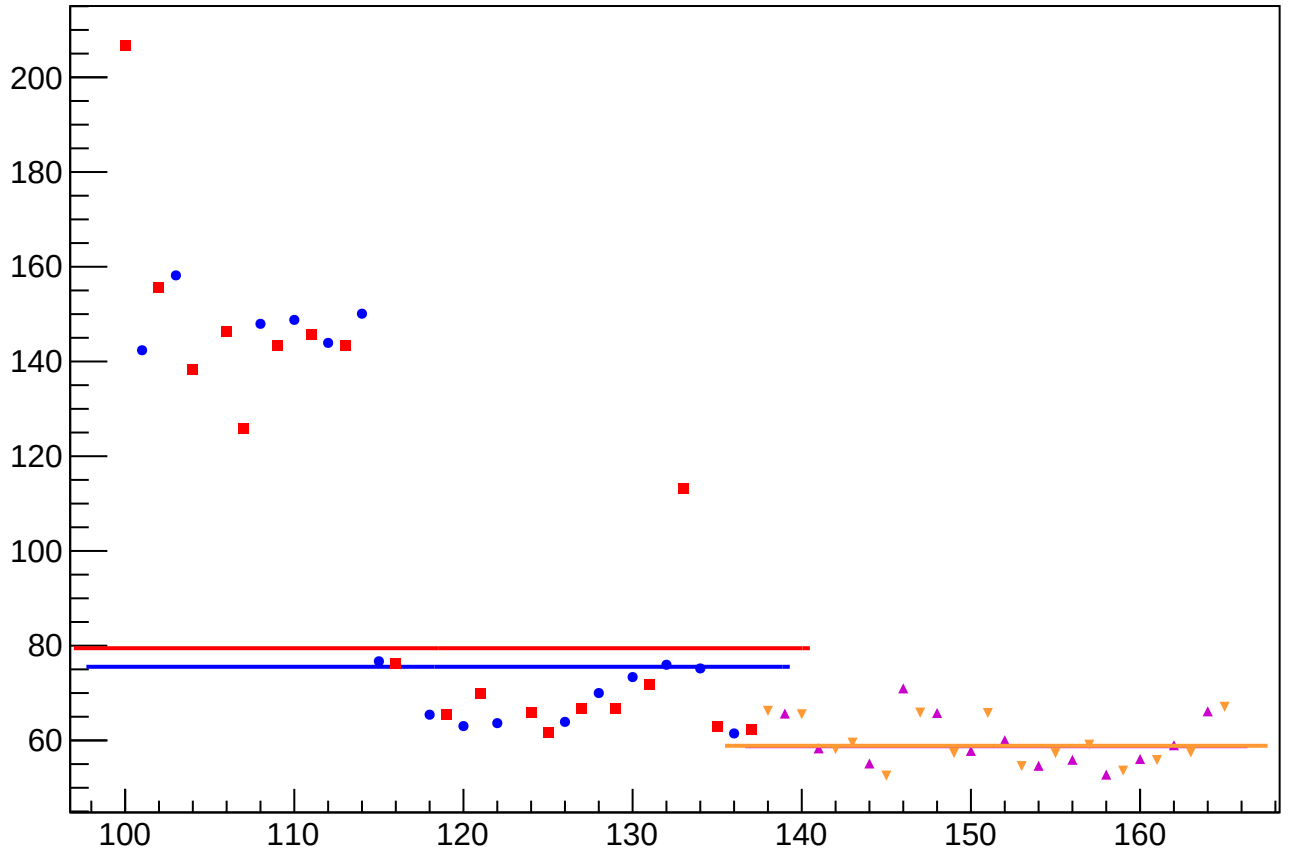
Left: 42.317+/-12.464 χ^2/NDF: 35.5/27

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 50.939+/-15.399 χ^2/NDF:36.2/28

Out: 34.649+/-15.141 χ^2/NDF:41.6/33

All: 42.656+/-10.797 χ^2/NDF: 78.4/62



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.866+/-0.012 χ^2/NDF:147507.5/14

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150539.5/12

Left: 58.824+/-0.009 χ^2/NDF: 298072.4/27

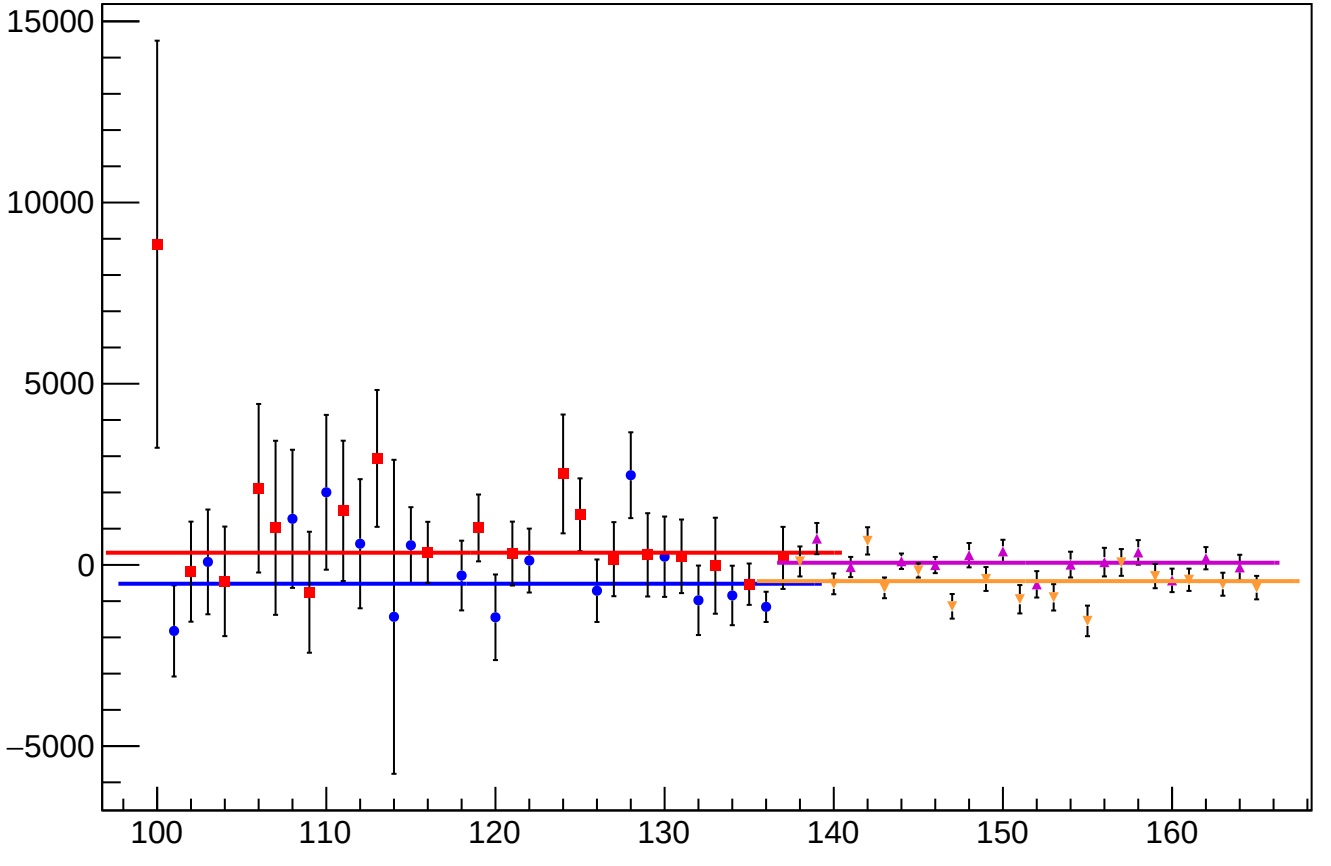
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.222+/-0.011 χ^2/NDF:2078010.6/28

Out: 63.703+/-0.011 χ^2/NDF:2496188.8/33

All: 63.467+/-0.008 χ^2/NDF: 4575189.3/62

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: -447.238+/-82.444 χ^2/NDF:29.8/14

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 59.785+/-85.187 χ^2/NDF:10.0/12

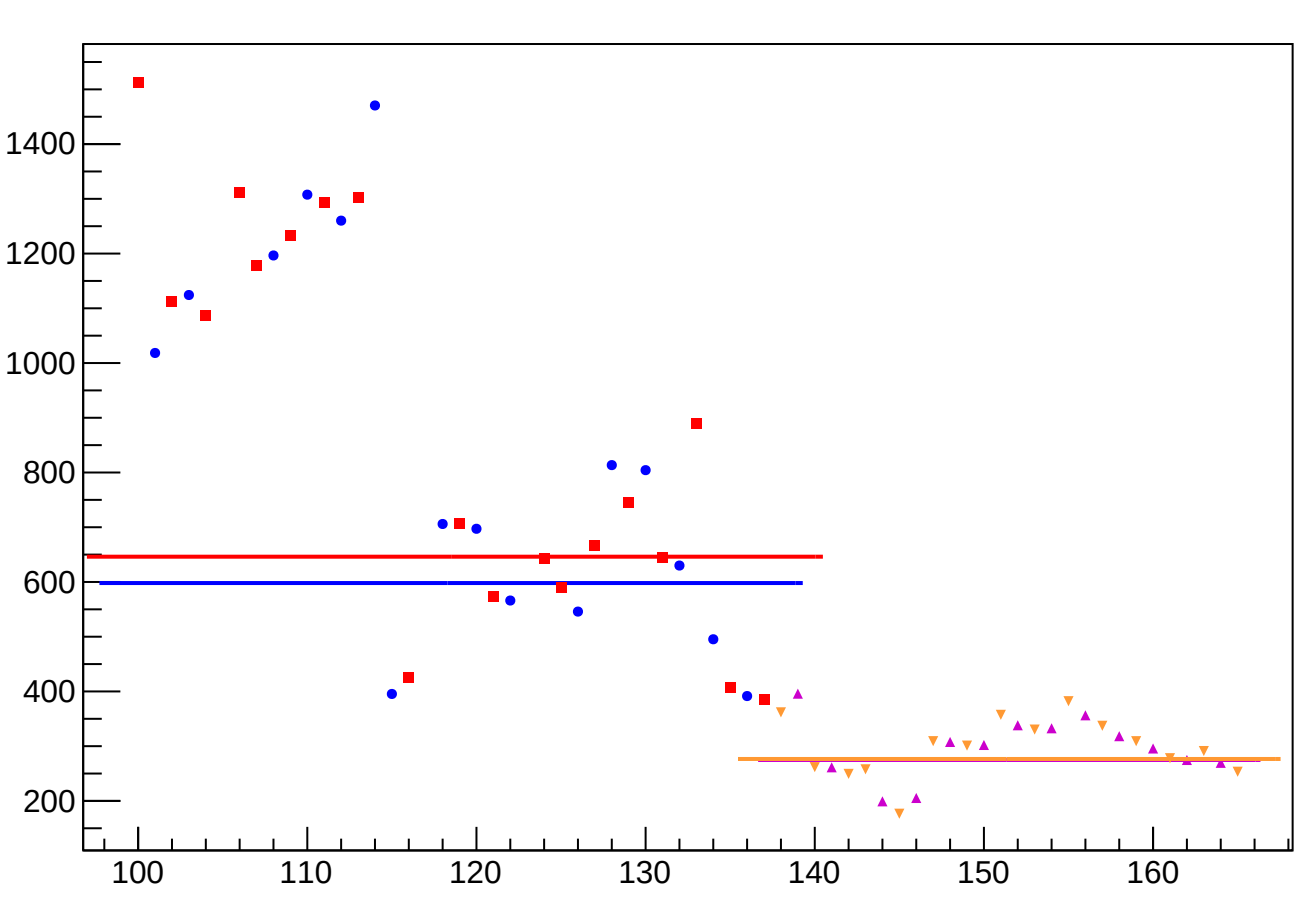
Left: -202.021+/-59.243 χ^2/NDF: 58.1/27

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -4.376+/-80.329 χ^2/NDF:30.9/28

Out: -373.891+/-78.492 χ^2/NDF:50.2/33

All: -193.405+/-56.140 χ^2/NDF: 91.9/62



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 276.609+/-0.058 χ^2/NDF:998972.0/14

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 274.743+/-0.060 χ^2/NDF:880576.3/12

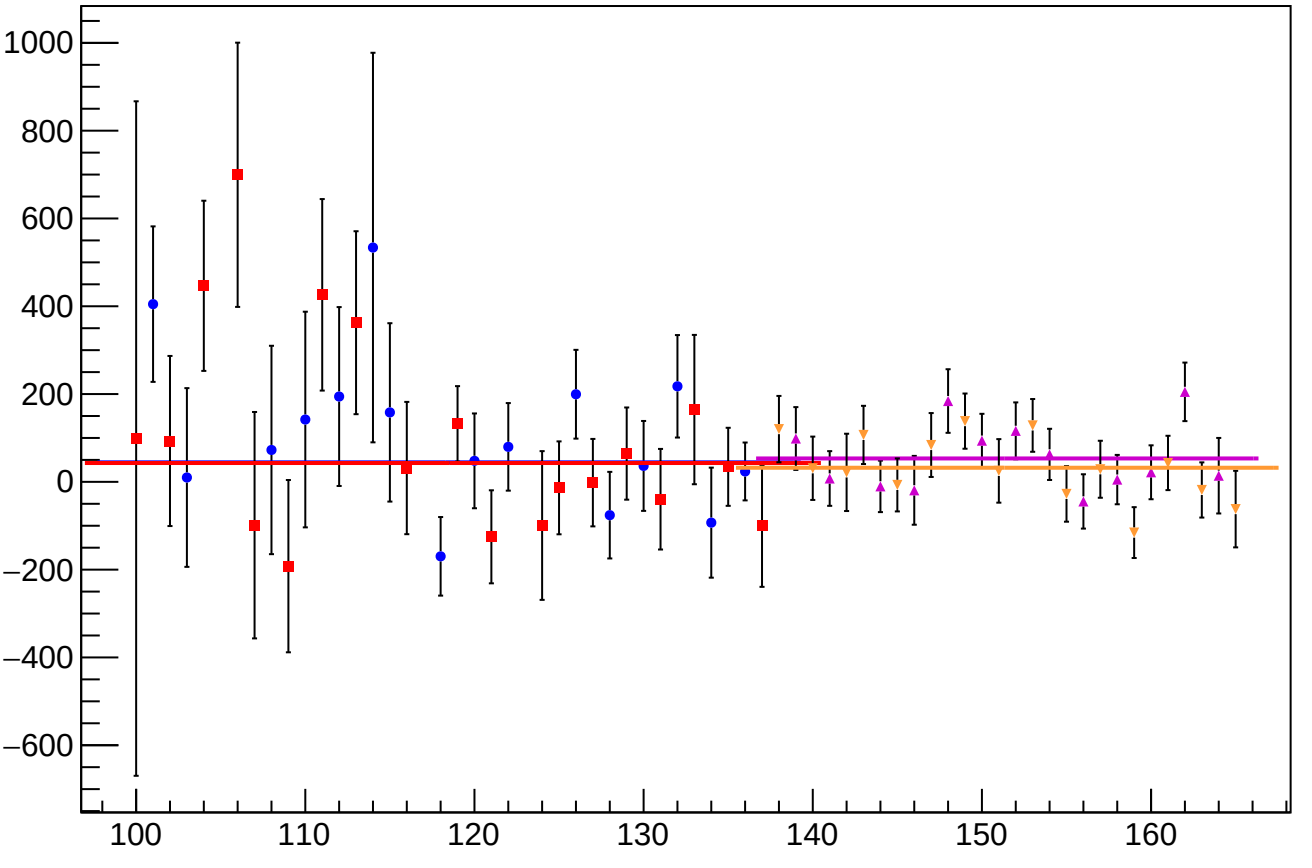
Left: 275.706+/-0.042 χ^2/NDF: 1880043.8/27

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 310.567+/-0.057 χ^2/NDF:6120430.4/28

Out: 311.186+/-0.056 χ^2/NDF:6964658.0/33

All: 310.884+/-0.040 χ^2/NDF: 13085149.1/62



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 32.117+/-17.309 χ^2/NDF:18.2/14

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 53.301+/-17.963 χ^2/NDF:16.5/12

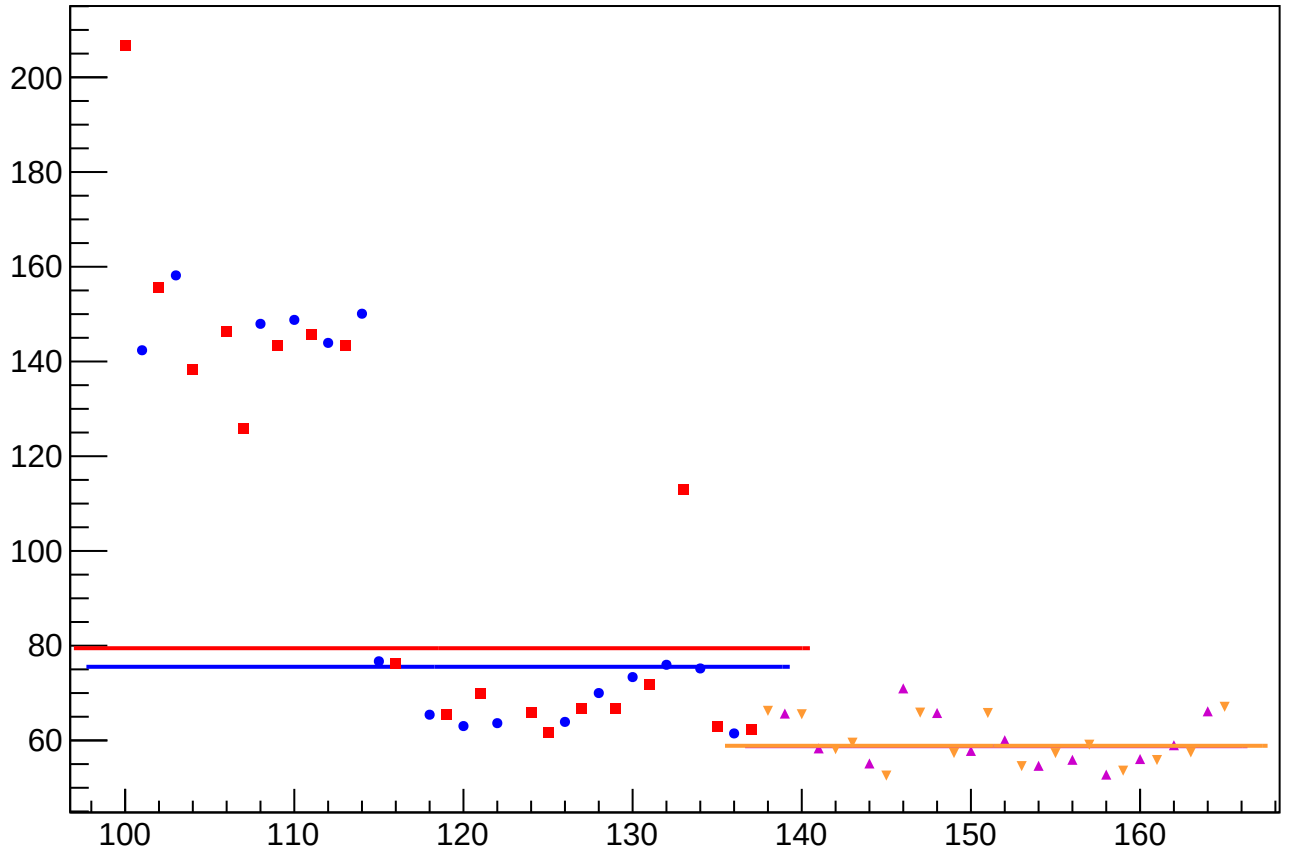
Left: 42.316+/-12.464 χ^2/NDF: 35.5/27

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 50.938+/-15.399 χ^2/NDF:36.2/28

Out: 34.649+/-15.141 χ^2/NDF:41.6/33

All: 42.656+/-10.797 χ^2/NDF: 78.4/62



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.867+/-0.012 χ^2/NDF:147505.5/14

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150545.1/12

Left: 58.824+/-0.009 χ^2/NDF: 298076.0/27

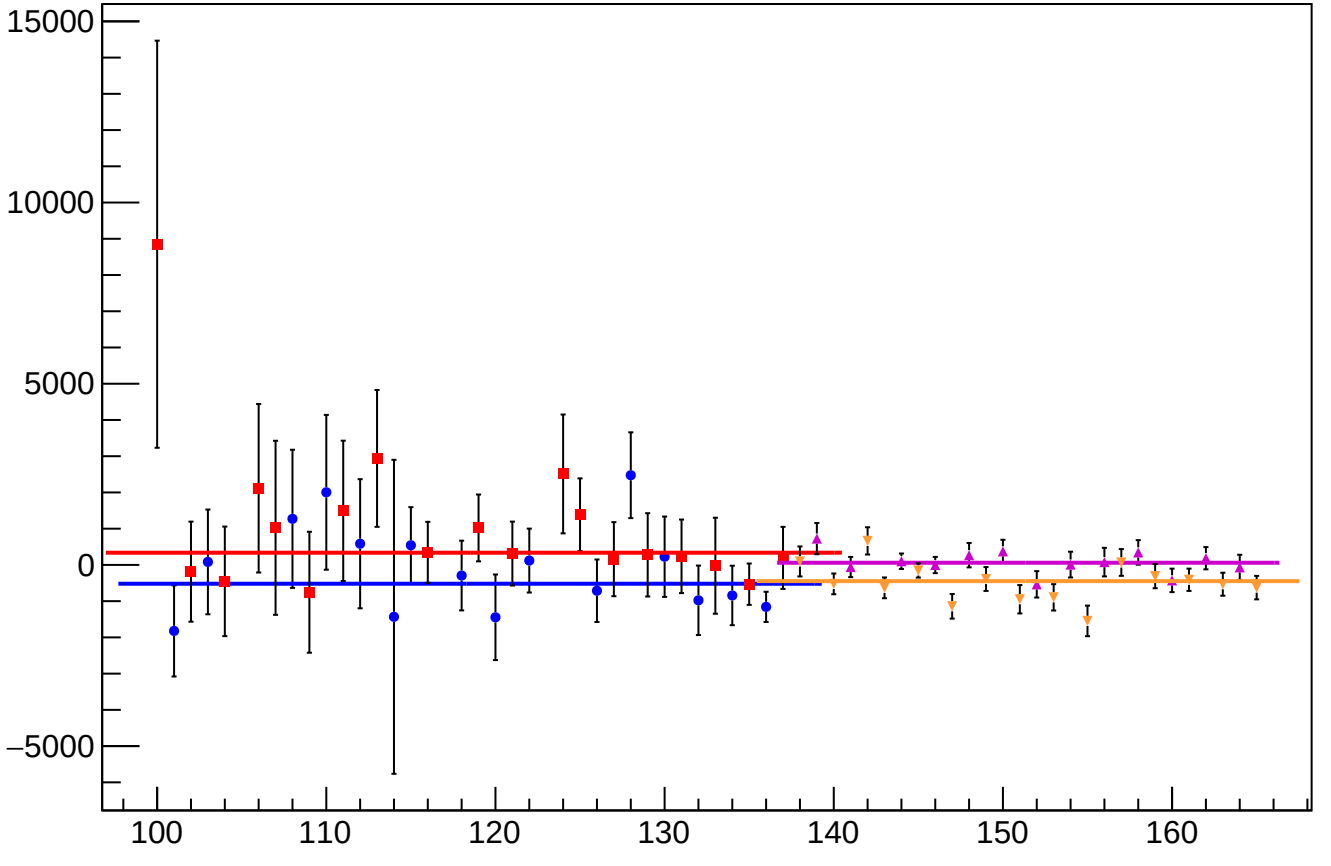
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.223+/-0.011 χ^2/NDF:2077977.6/28

Out: 63.703+/-0.011 χ^2/NDF:2496155.9/33

All: 63.467+/-0.008 χ^2/NDF: 4575123.4/62

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: -447.237+/-82.444 χ^2/NDF:29.8/14

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 59.785+/-85.187 χ^2/NDF:10.0/12

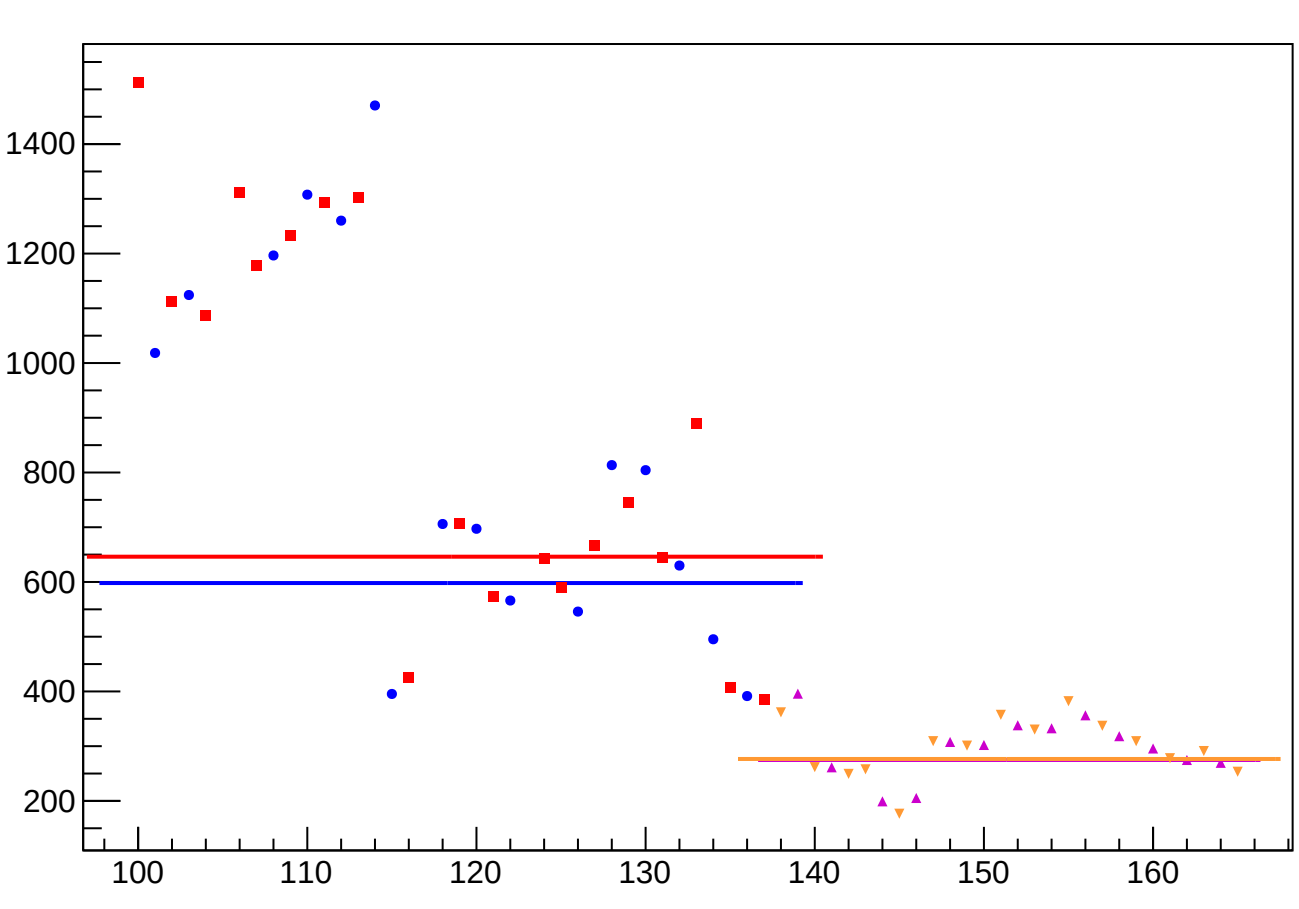
Left: -202.021+/-59.242 χ^2/NDF: 58.1/27

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

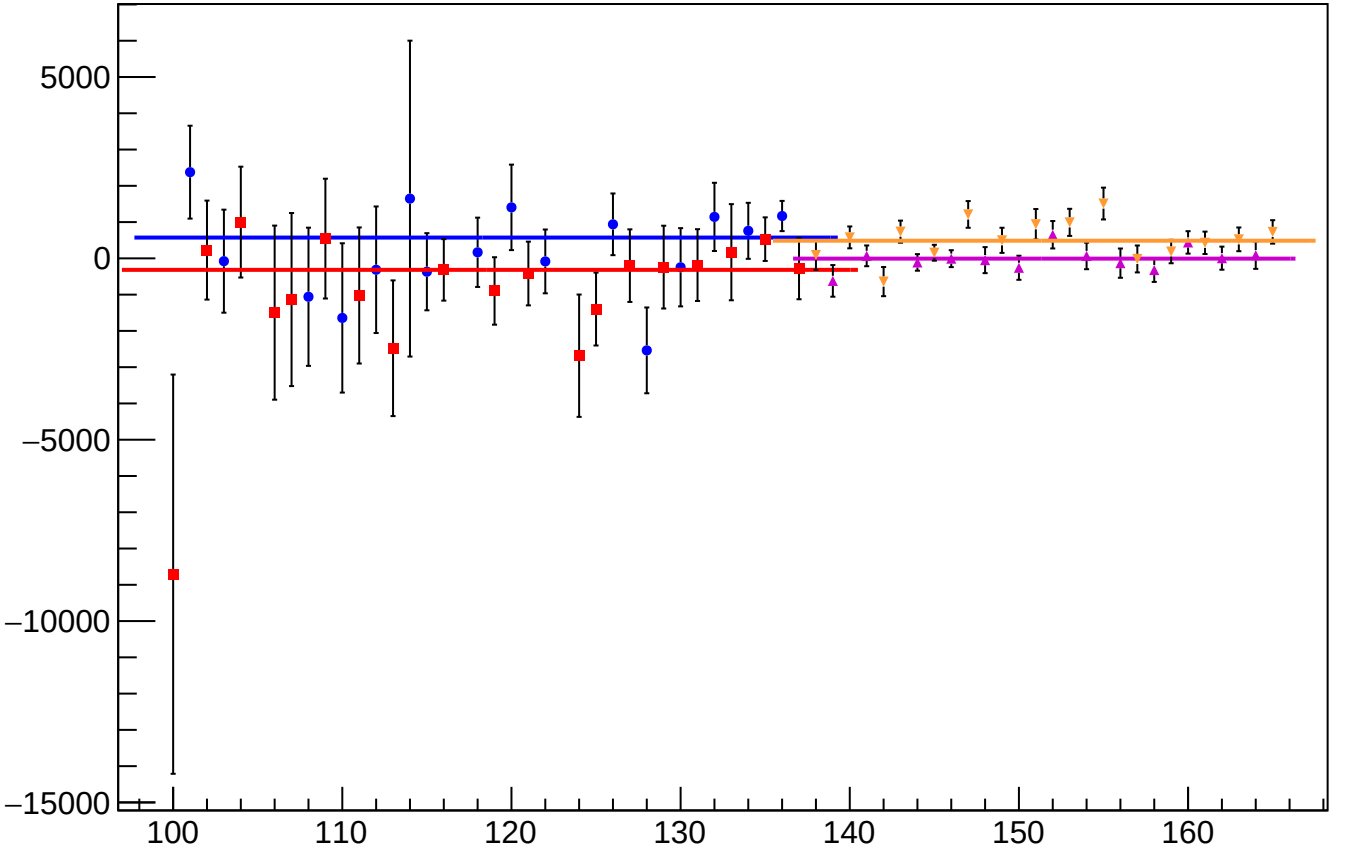
In: -4.376+/-80.329 χ^2/NDF:30.9/28

Out: -373.891+/-78.492 χ^2/NDF:50.2/33

All: -193.405+/-56.140 χ^2/NDF: 91.9/62


asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 598.044+/-0.171 χ²/NDF: 2047806.5/15
Left Out: 276.608+/-0.058 χ²/NDF:998979.7/14
Right Out: 646.190+/-0.181 χ²/NDF: 2205421.4/18
Left In: 274.742+/-0.060 χ²/NDF:880573.5/12
Left: 275.706+/-0.042 χ²/NDF: 1880048.6/27
Right: 620.638+/-0.124 χ²/NDF: 4290589.9/34
In: 310.566+/-0.057 χ²/NDF:6120416.0/28
Out: 311.186+/-0.056 χ²/NDF:6964660.6/33
All: 310.883+/-0.040 χ²/NDF: 13085137.4/62

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 486.515+/-86.123 χ^2/NDF:27.5/14

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -7.136+/-88.041 χ^2/NDF:9.1/12

Left: 245.125+/-61.565 χ^2/NDF: 52.7/27

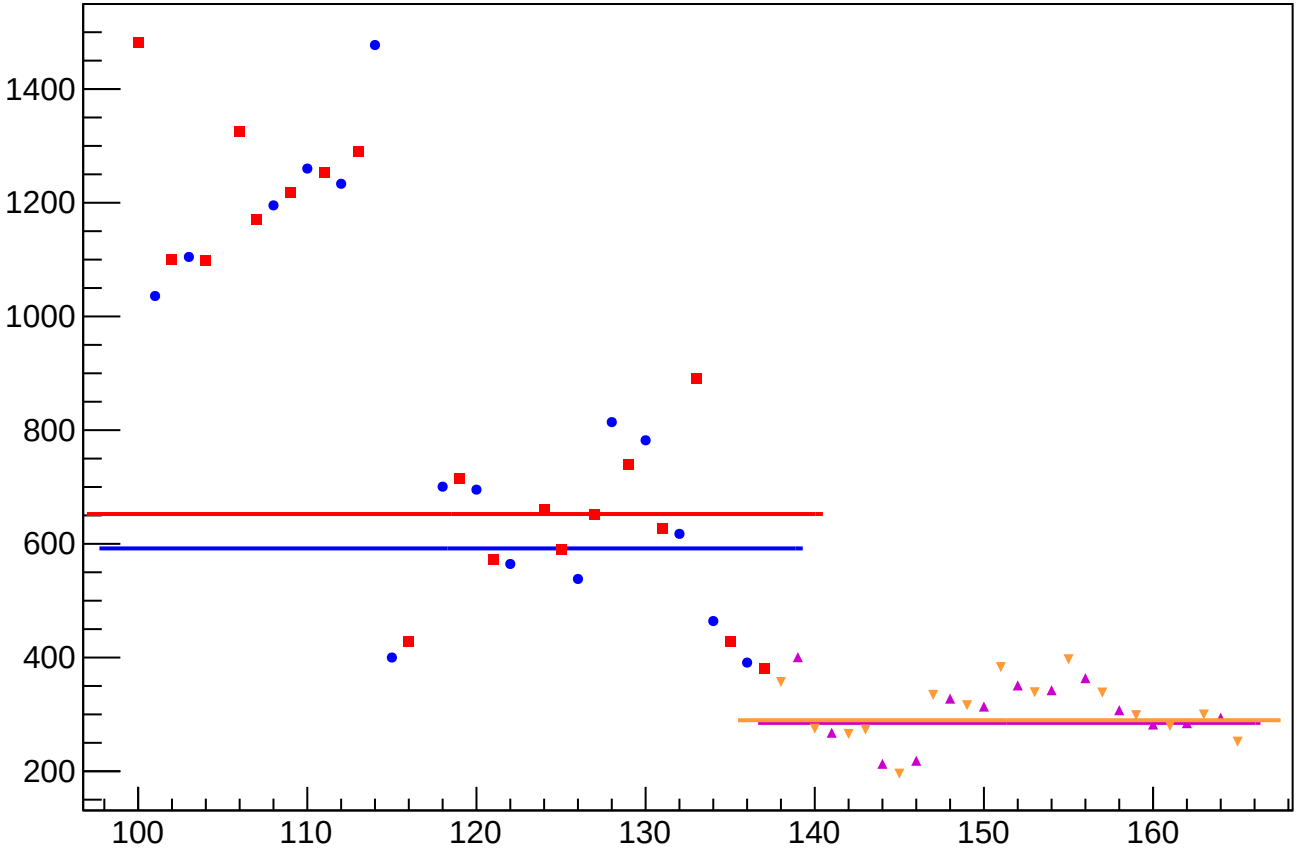
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 62.266+/-82.611 χ^2/NDF:30.9/28

Out: 406.107+/-81.700 χ^2/NDF:47.2/33

All: 236.094+/-58.090 χ^2/NDF: 86.8/62

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 289.715+/-0.061 χ^2/NDF:801660.6/14

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 285.086+/-0.062 χ^2/NDF:748696.9/12

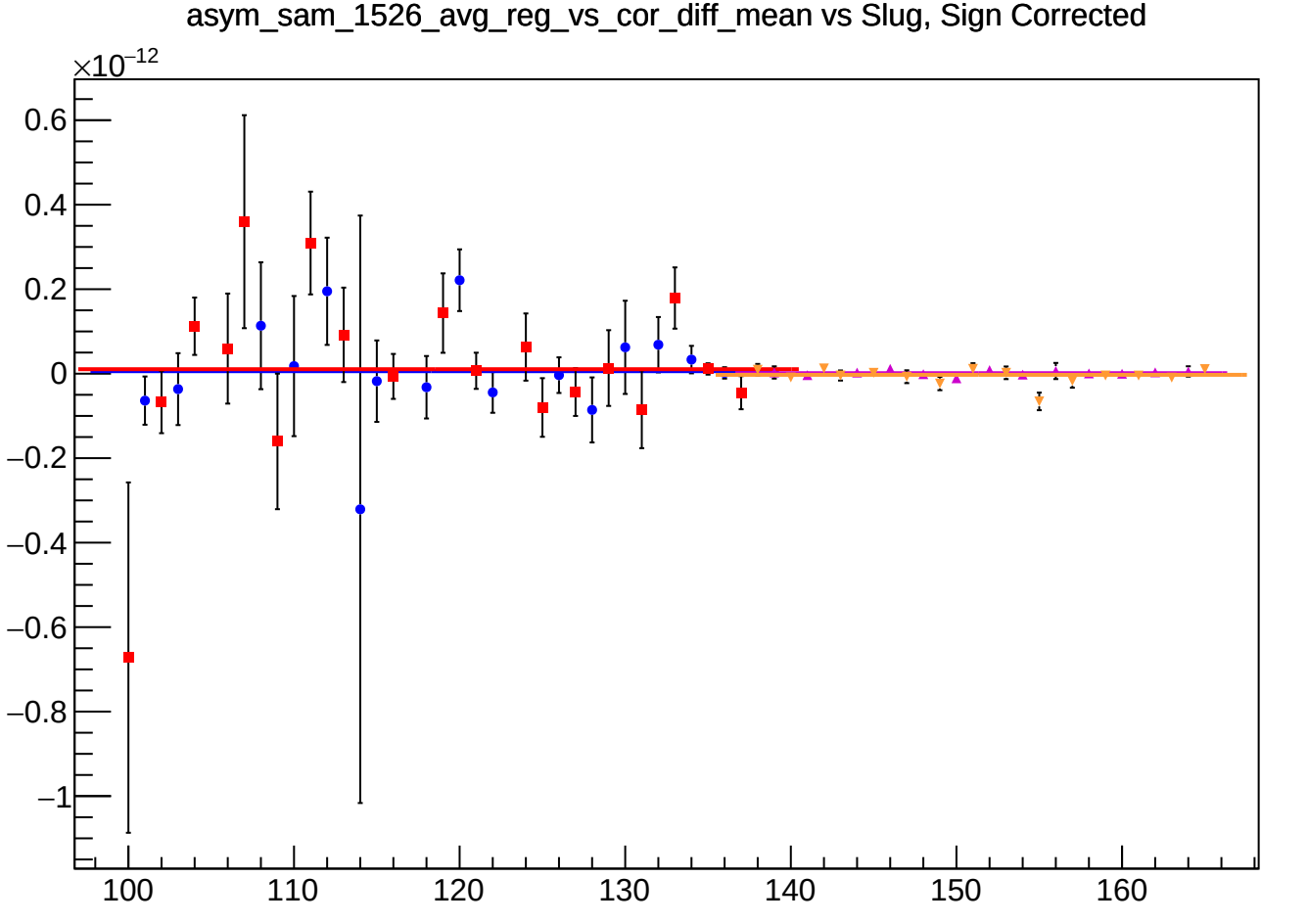
Left: 287.452+/-0.044 χ^2/NDF: 1553182.9/27

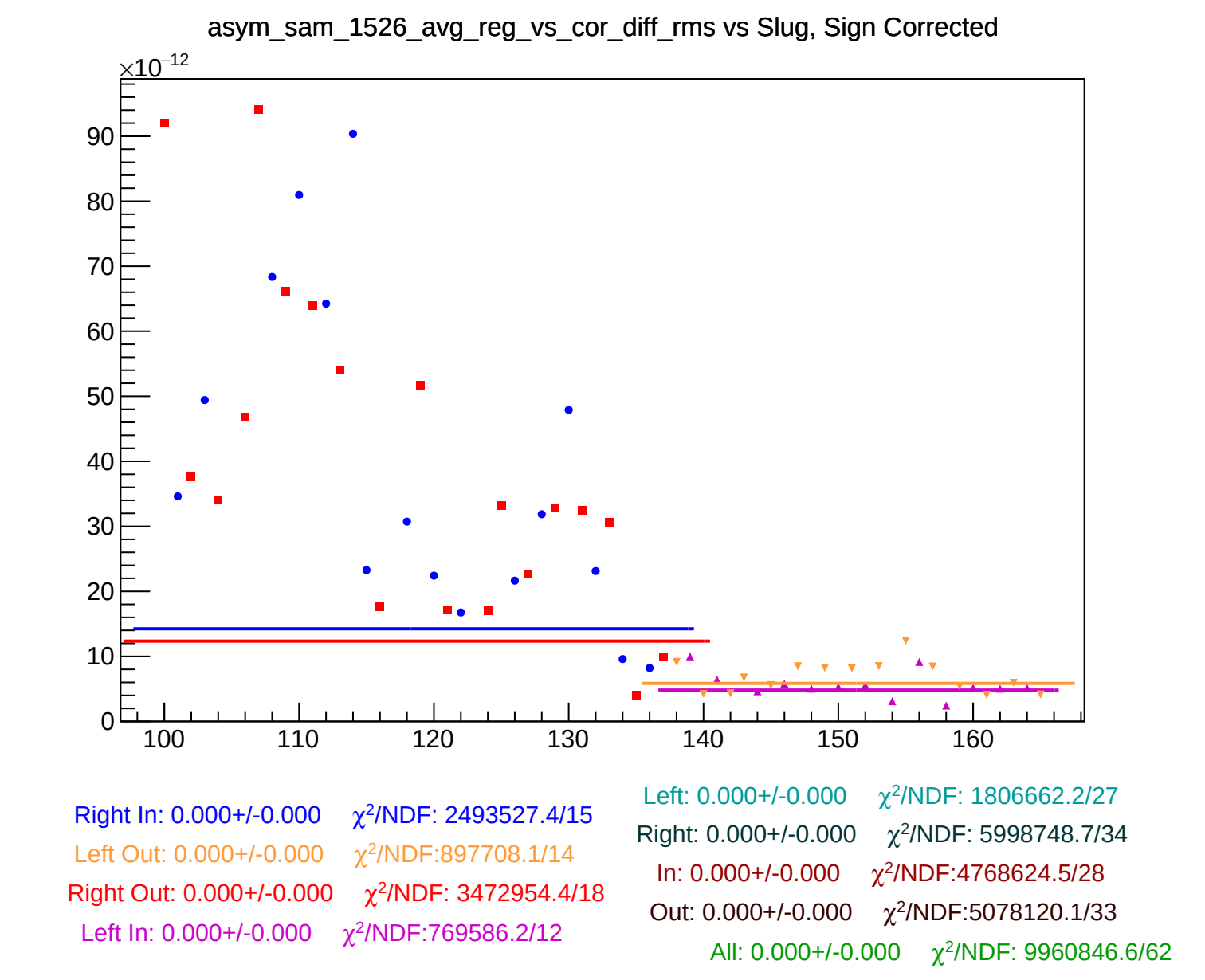
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 321.776+/-0.058 χ^2/NDF:5689642.6/28

Out: 326.023+/-0.058 χ^2/NDF:6442934.7/33

All: 323.923+/-0.041 χ^2/NDF: 12135249.4/62


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
Right In: 0.000+/-0.000 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/18
Left In: 0.000+/-0.000 χ²/NDF:3.7/12
Left: -0.000+/-0.000 χ²/NDF: 24.0/27
Right: 0.000+/-0.000 χ²/NDF: 47.8/34
In: 0.000+/-0.000 χ²/NDF:22.2/28
Out: -0.000+/-0.000 χ²/NDF:50.2/33
All: -0.000+/-0.000 χ²/NDF: 73.1/62


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
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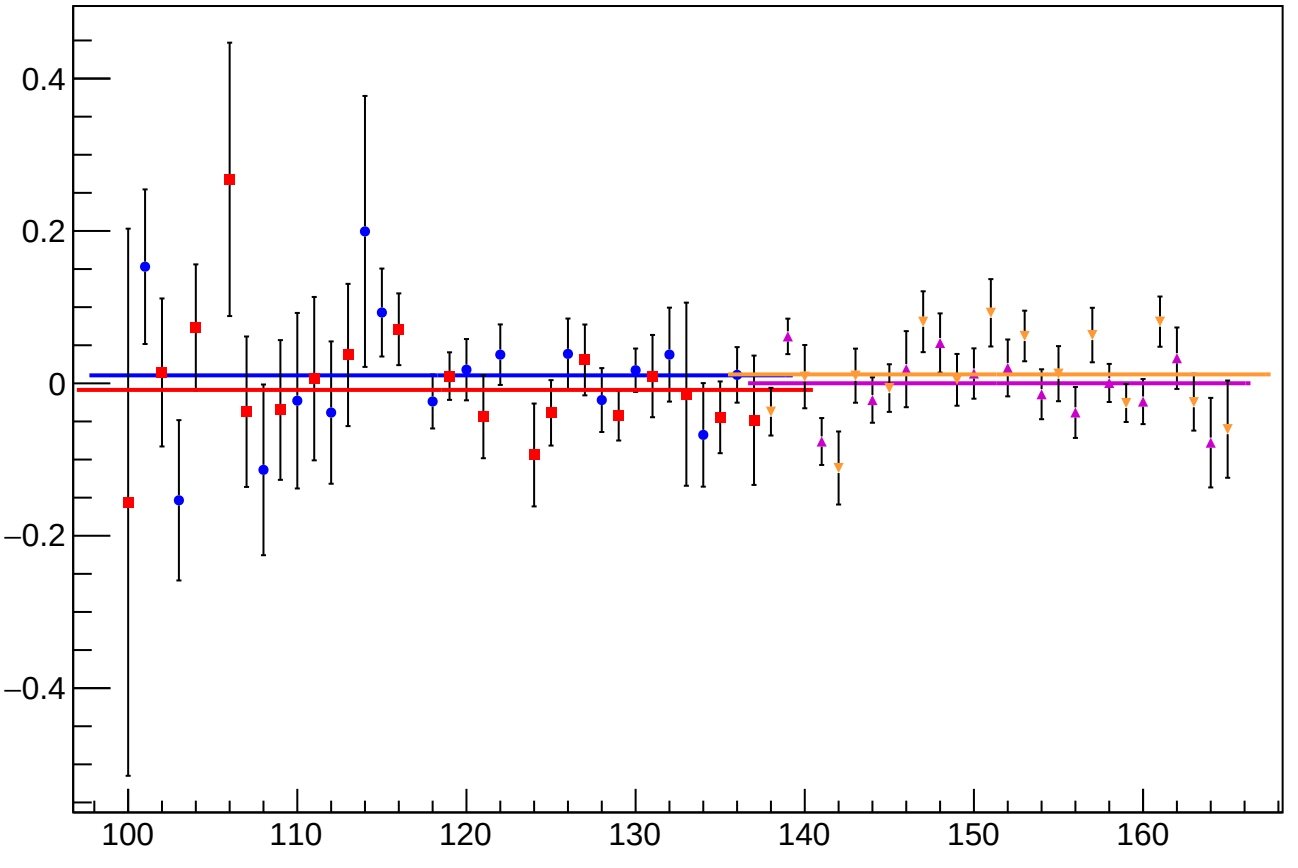
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:897708.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:769586.2/12
Left: 0.000+/-0.000 χ²/NDF: 1806662.2/27
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4768624.5/28
Out: 0.000+/-0.000 χ²/NDF:5078120.1/33
All: 0.000+/-0.000 χ²/NDF: 9960846.6/62



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

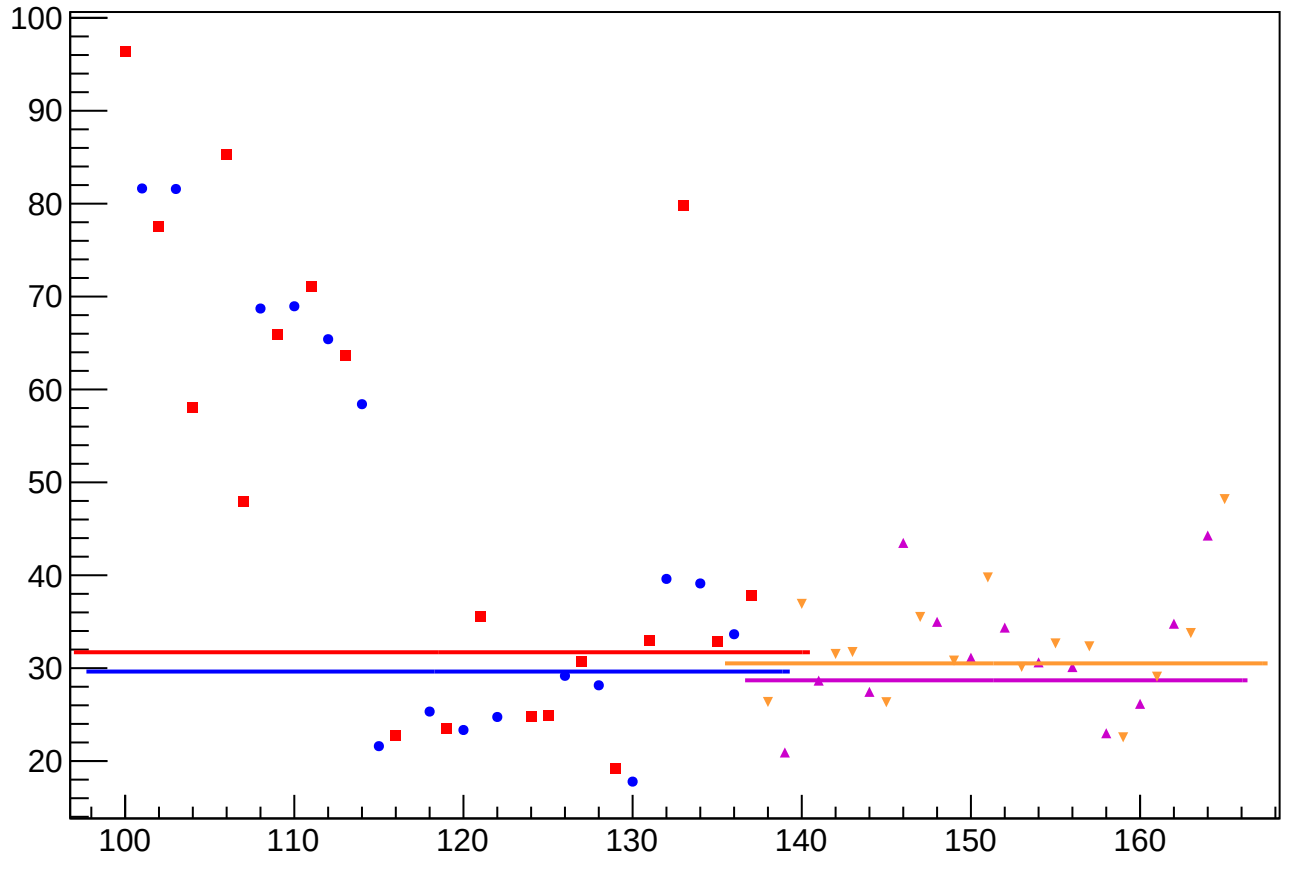
Left: 0.006+/-0.006 χ^2/NDF: 50.6/27

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/62



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.515+/-0.007 χ^2/NDF:630214.3/14

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

Left: 29.587+/-0.005 χ^2/NDF: 1496843.1/27

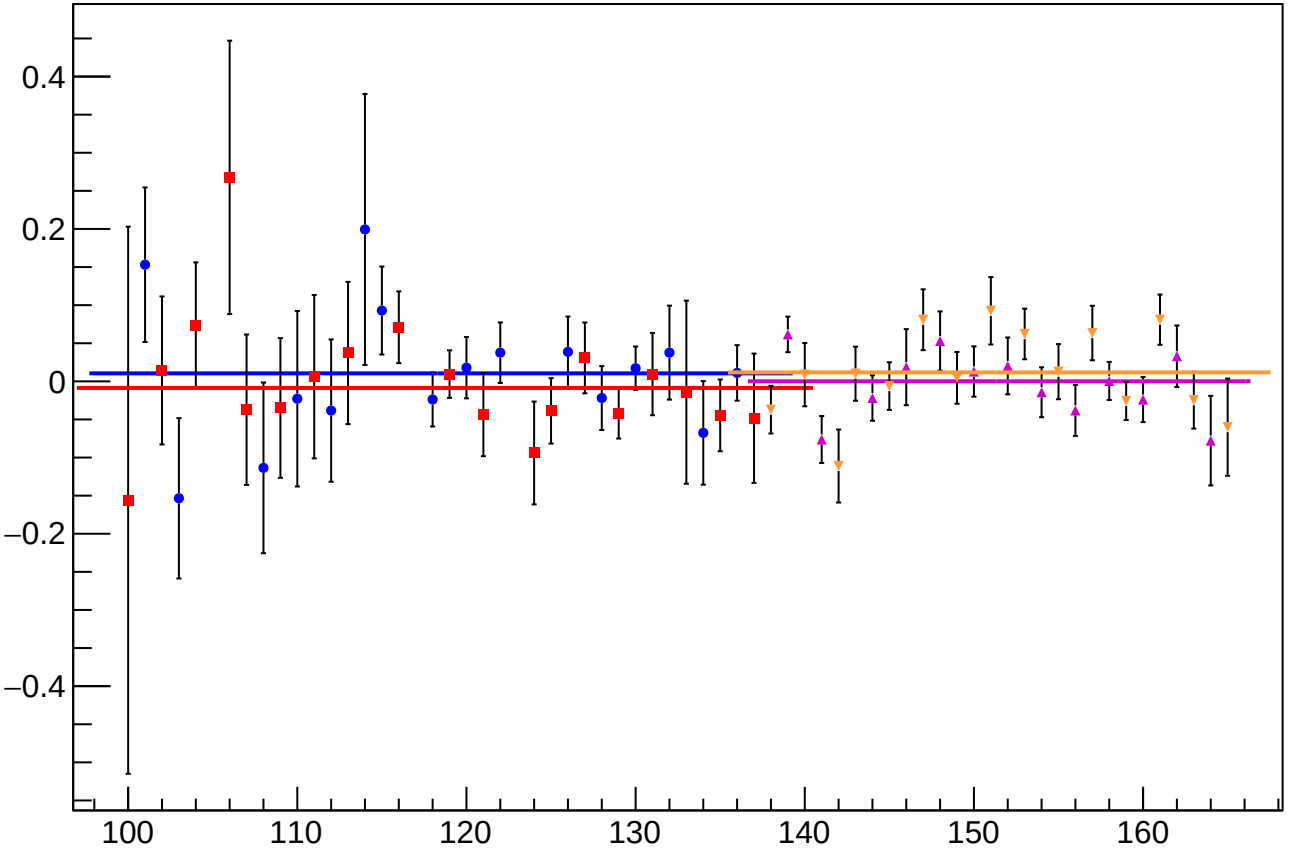
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.013+/-0.005 χ^2/NDF:3282590.3/28

Out: 30.905+/-0.005 χ^2/NDF:3292719.5/33

All: 29.932+/-0.004 χ^2/NDF: 6639759.4/62

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

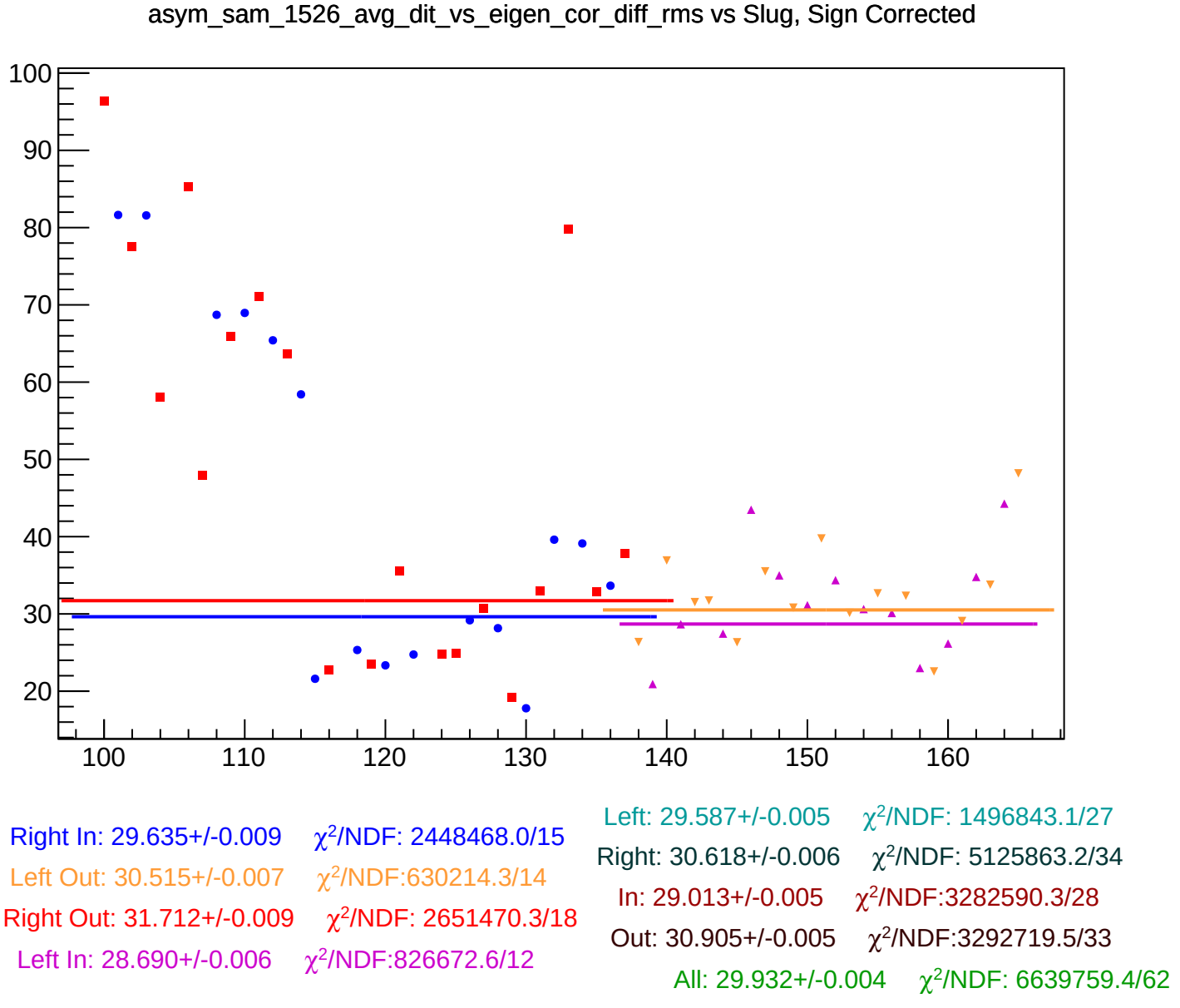
Left: 0.006+/-0.006 χ^2/NDF: 50.6/27

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/62


asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
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150
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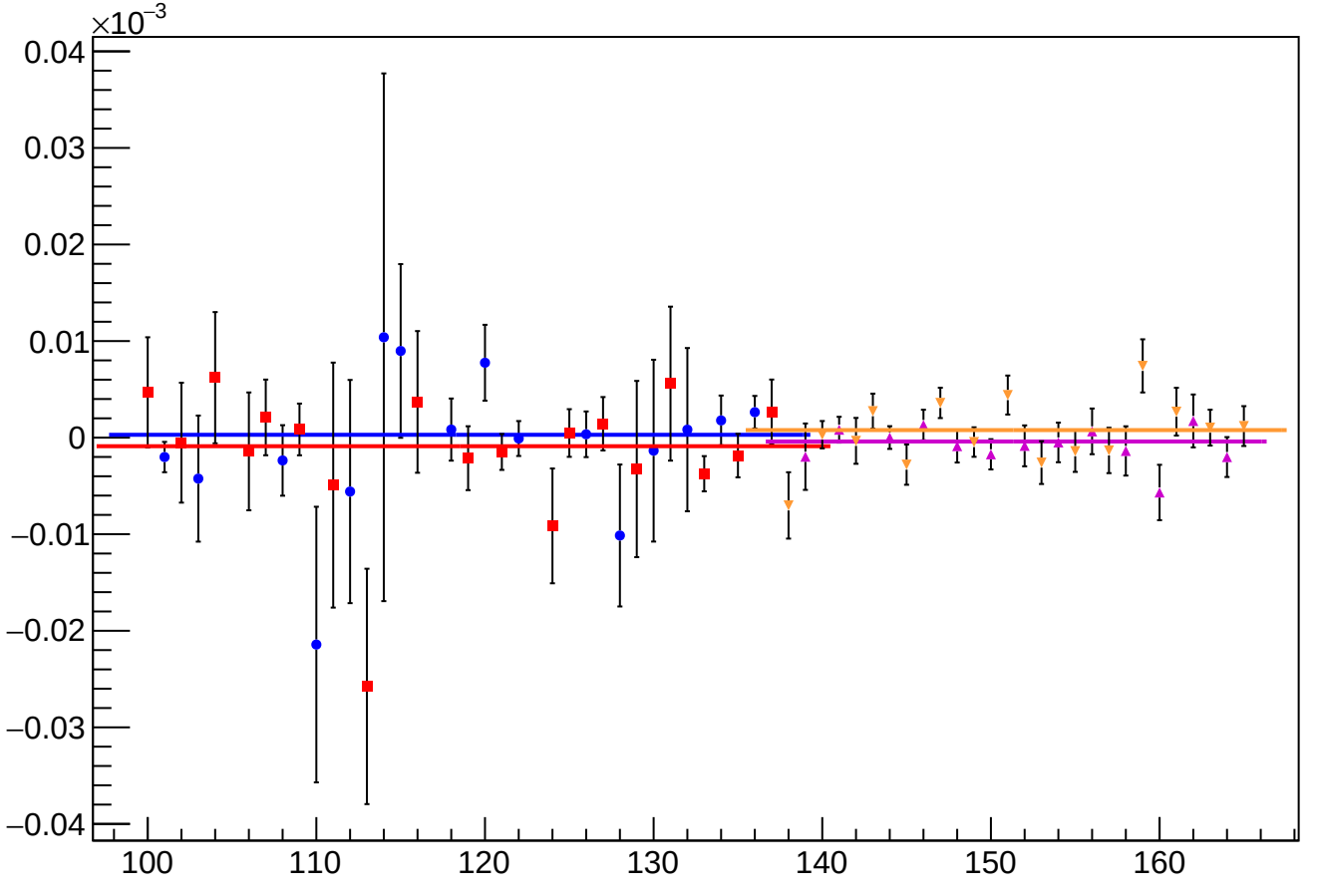
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 30.515+/-0.007 χ²/NDF:630214.3/14
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.690+/-0.006 χ²/NDF:826672.6/12
Left: 29.587+/-0.005 χ²/NDF: 1496843.1/27
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.013+/-0.005 χ²/NDF:3282590.3/28
Out: 30.905+/-0.005 χ²/NDF:3292719.5/33
All: 29.932+/-0.004 χ²/NDF: 6639759.4/62

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/12

Left: 0.000+/-0.000 χ^2/NDF: 38.1/27

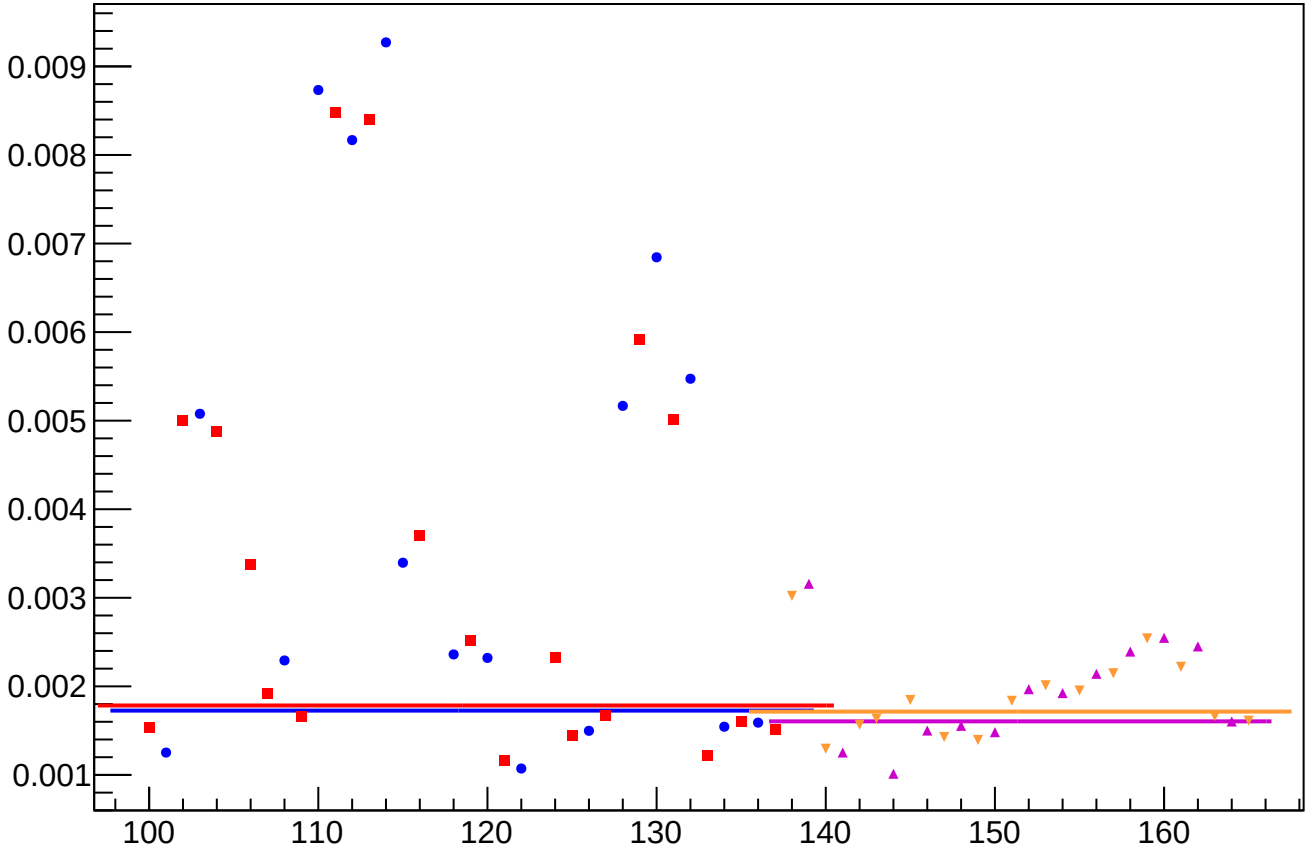
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:23.5/28

Out: 0.000+/-0.000 χ^2/NDF:45.9/33

All: 0.000+/-0.000 χ^2/NDF: 70.0/62

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:1045160.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1883603.3/12

Left: 0.002+/-0.000 χ^2/NDF: 2975106.5/27

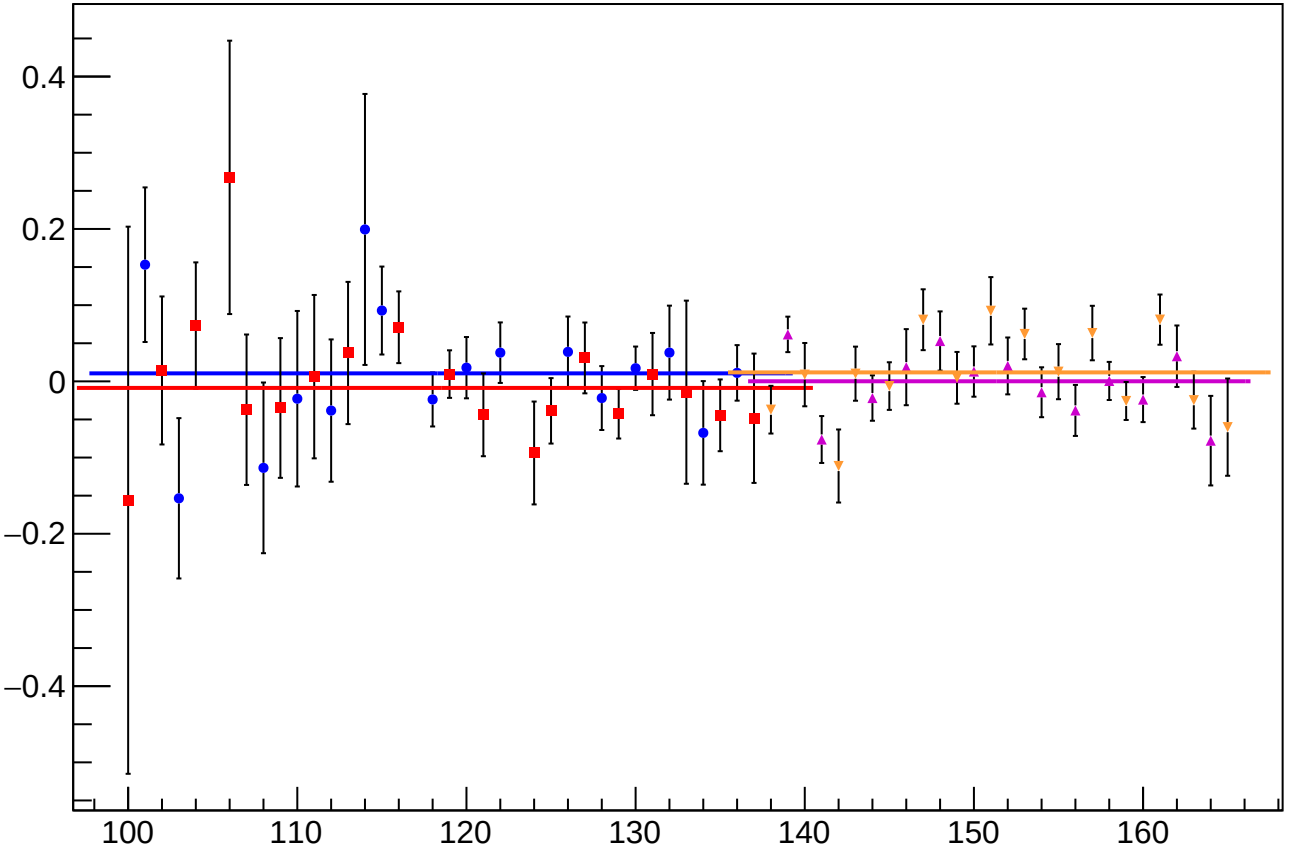
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5850840.4/28

Out: 0.002+/-0.000 χ^2/NDF:4774845.7/33

All: 0.002+/-0.000 χ^2/NDF: 10673653.7/62

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

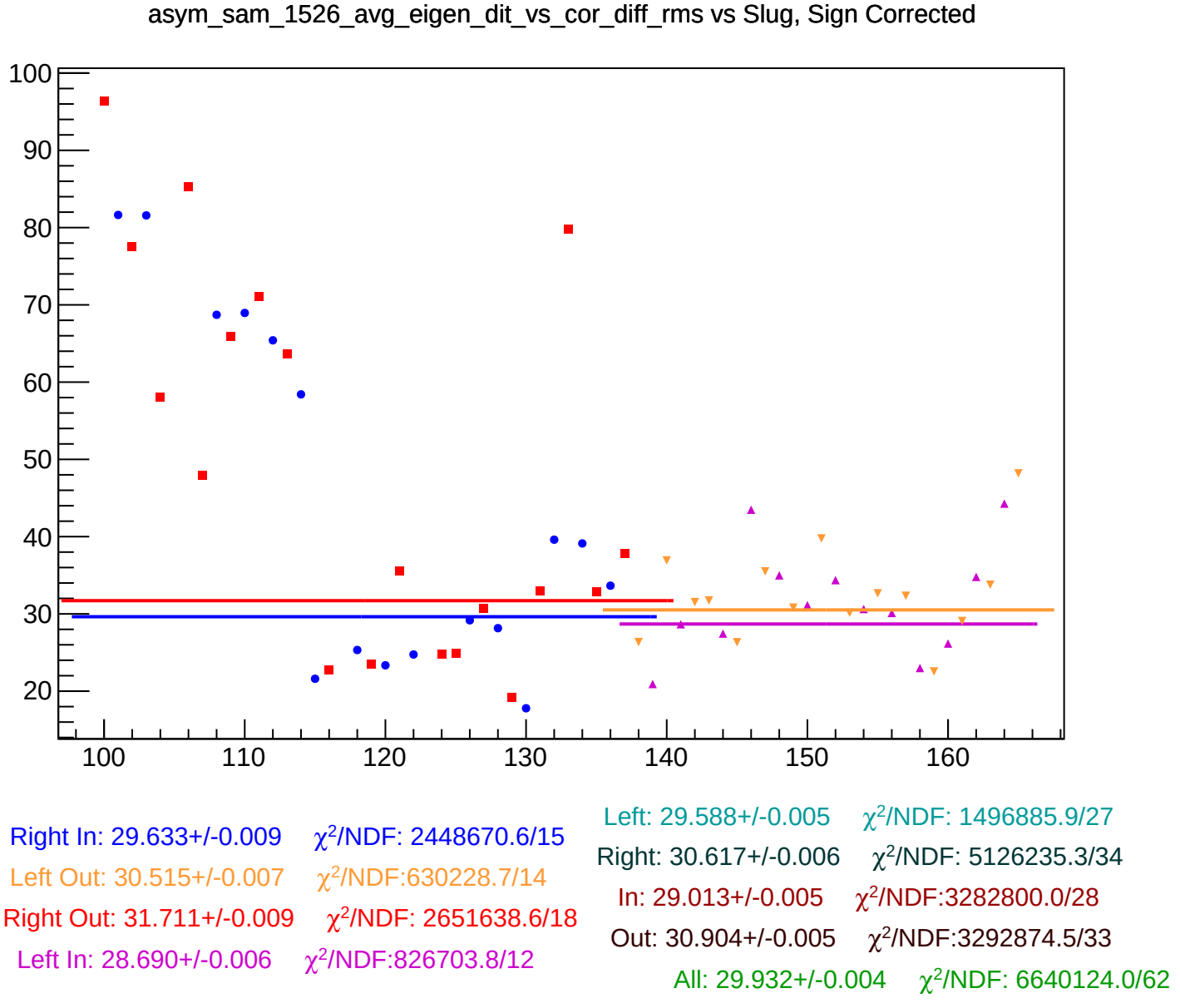
Left: 0.006+/-0.006 χ^2/NDF: 50.6/27

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/62


asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
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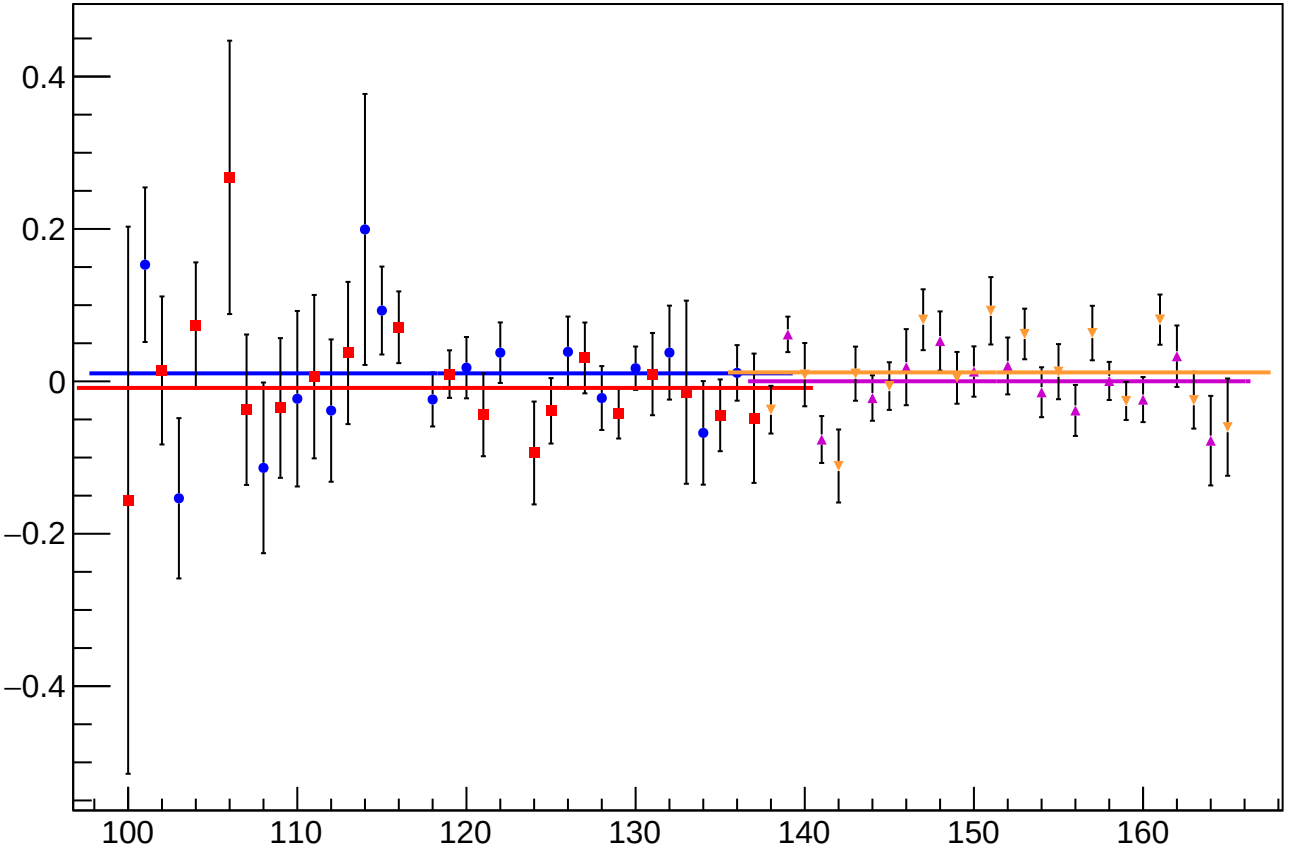
40
30
20
100
110
120
130
140
150
160
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.515+/-0.007 χ²/NDF:630228.7/14
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.690+/-0.006 χ²/NDF:826703.8/12
Left: 29.588+/-0.005 χ²/NDF: 1496885.9/27
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.013+/-0.005 χ²/NDF:3282800.0/28
Out: 30.904+/-0.005 χ²/NDF:3292874.5/33
All: 29.932+/-0.004 χ²/NDF: 6640124.0/62

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: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

Left: 0.006+/-0.006 χ^2/NDF: 50.6/27

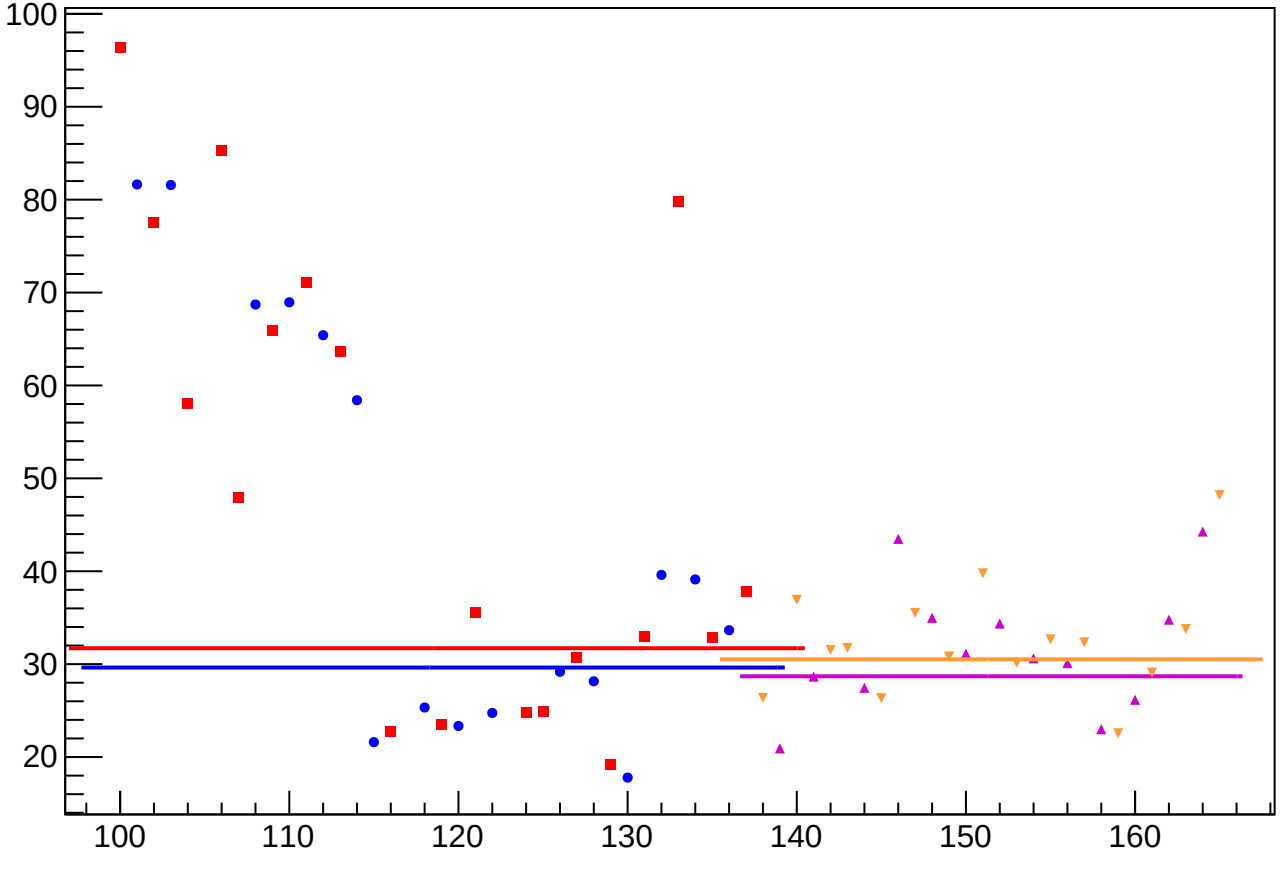
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/62

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.515+/-0.007 χ^2/NDF:630228.7/14

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.690+/-0.006 χ^2/NDF:826703.8/12

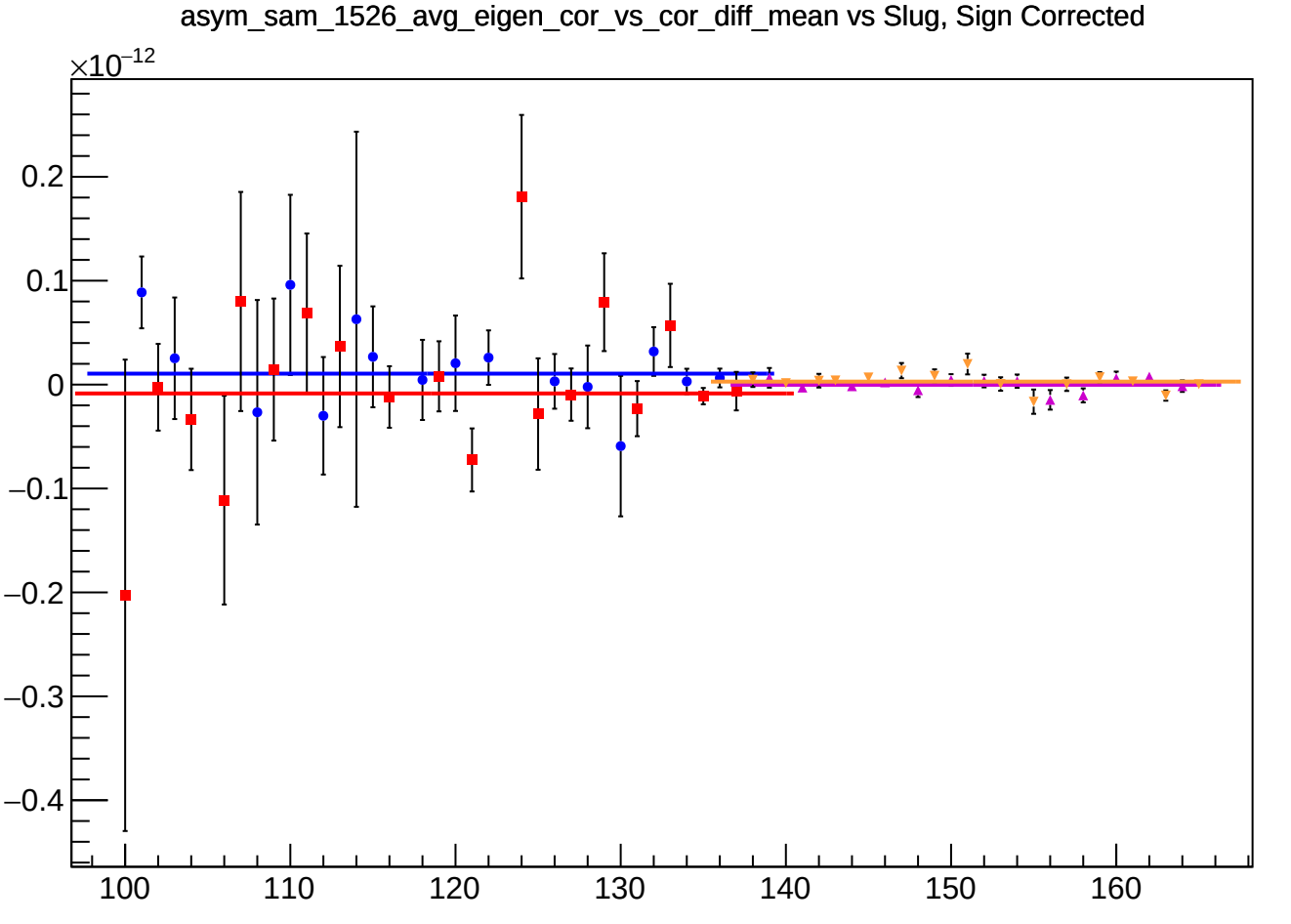
Left: 29.588+/-0.005 χ^2/NDF: 1496885.9/27

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

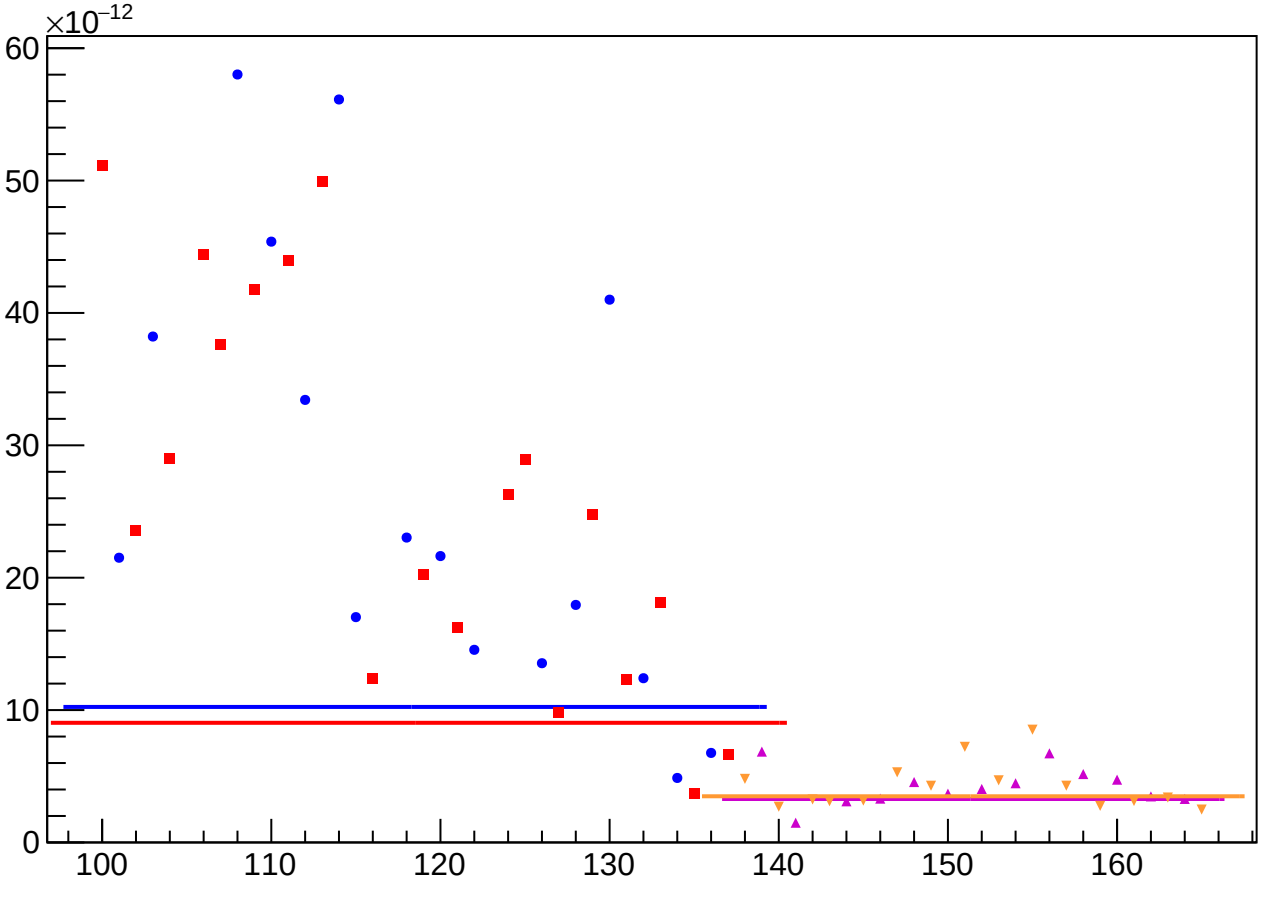
In: 29.013+/-0.005 χ^2/NDF:3282800.0/28

Out: 30.904+/-0.005 χ^2/NDF:3292874.5/33

All: 29.932+/-0.004 χ^2/NDF: 6640124.0/62


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
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.2/12
Left: 0.000+/-0.000 χ²/NDF: 32.9/27
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:25.3/28
Out: 0.000+/-0.000 χ²/NDF:43.3/33
All: 0.000+/-0.000 χ²/NDF: 69.5/62

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:1258173.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1889301.0/12

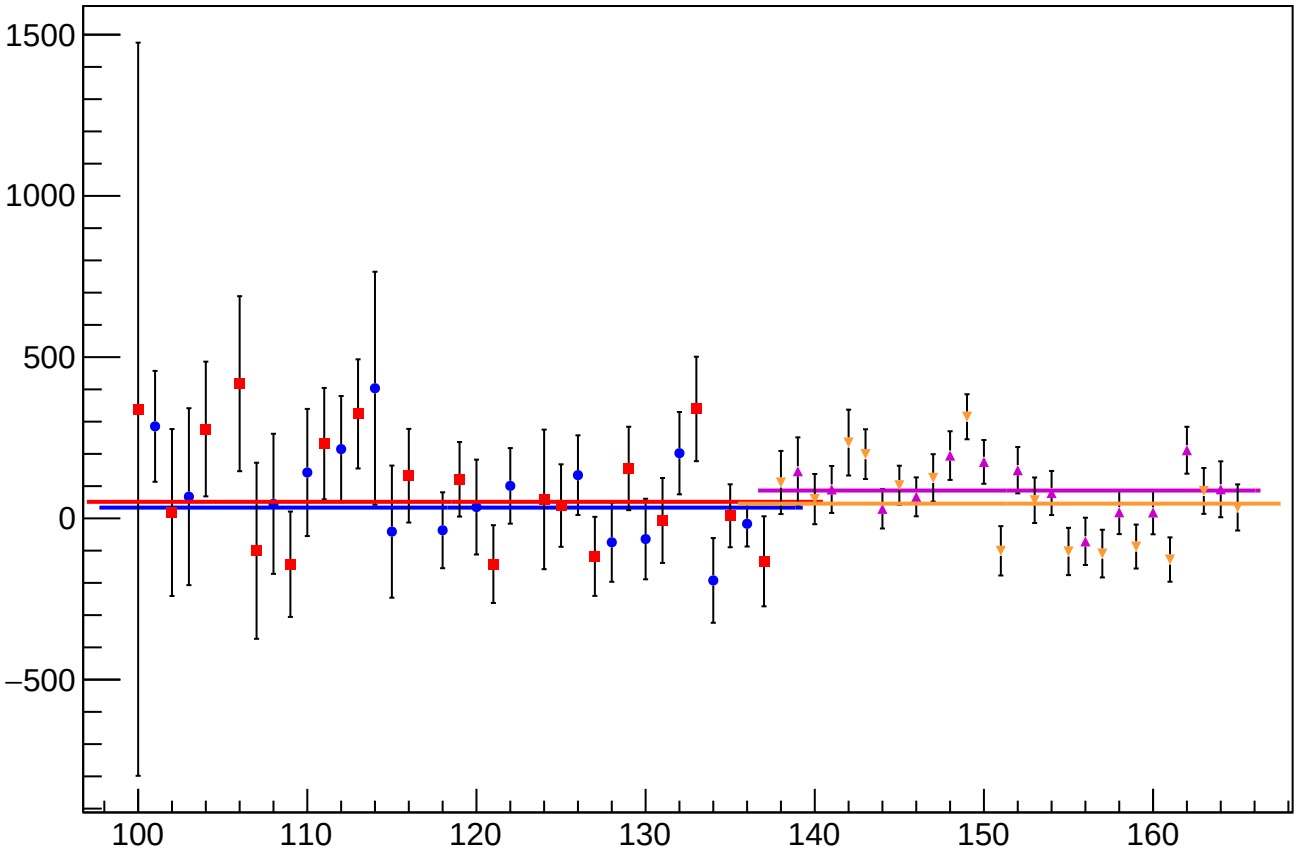
Left: 0.000+/-0.000 χ^2/NDF: 3168716.7/27

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7948761.4/28

Out: 0.000+/-0.000 χ^2/NDF:7436742.7/33

All: 0.000+/-0.000 χ^2/NDF: 15394465.1/62



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.704+/-19.056 χ^2/NDF:47.5/14

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 86.348+/-19.741 χ^2/NDF:15.4/12

Left: 65.308+/-13.710 χ^2/NDF: 65.1/27

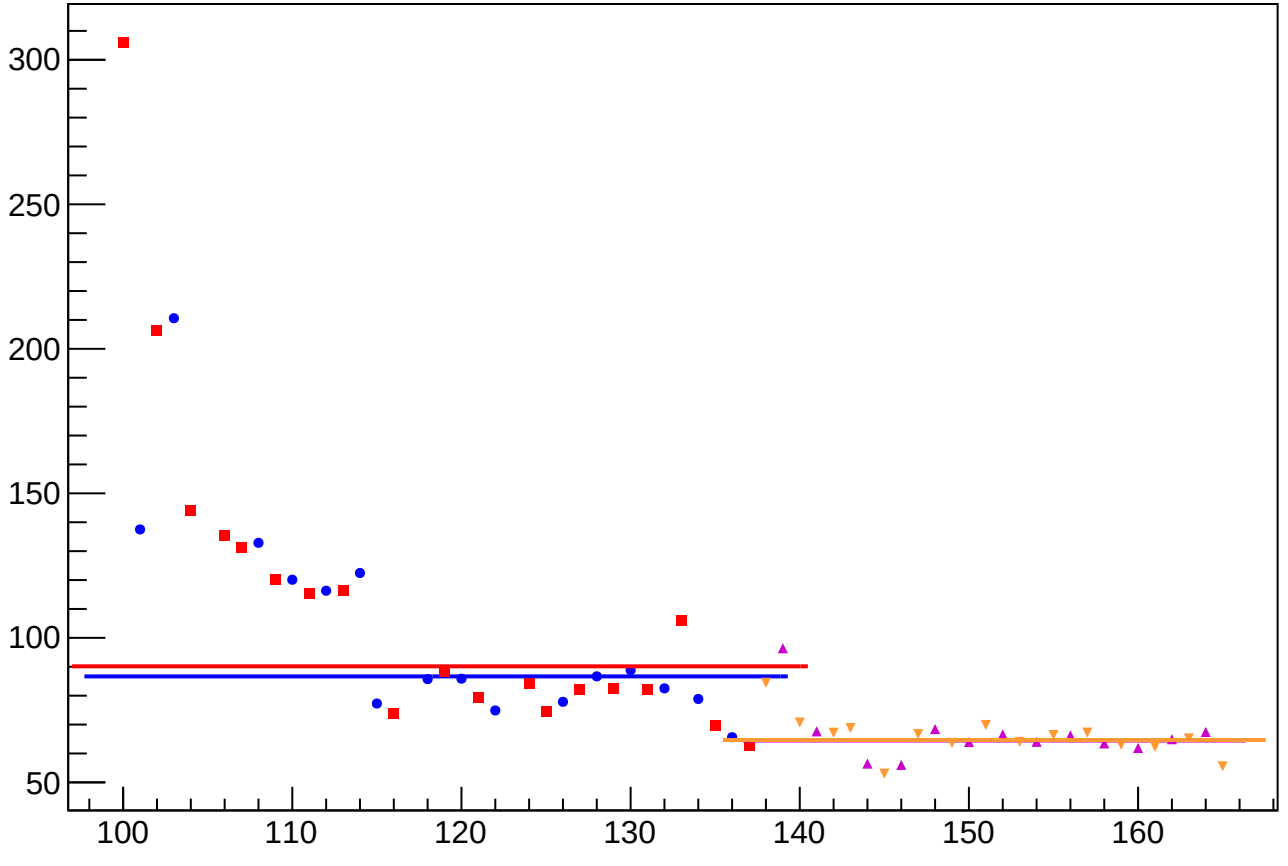
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 72.935+/-17.057 χ^2/NDF:30.1/28

Out: 47.000+/-16.720 χ^2/NDF:67.0/33

All: 59.709+/-11.940 χ^2/NDF: 98.3/62

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

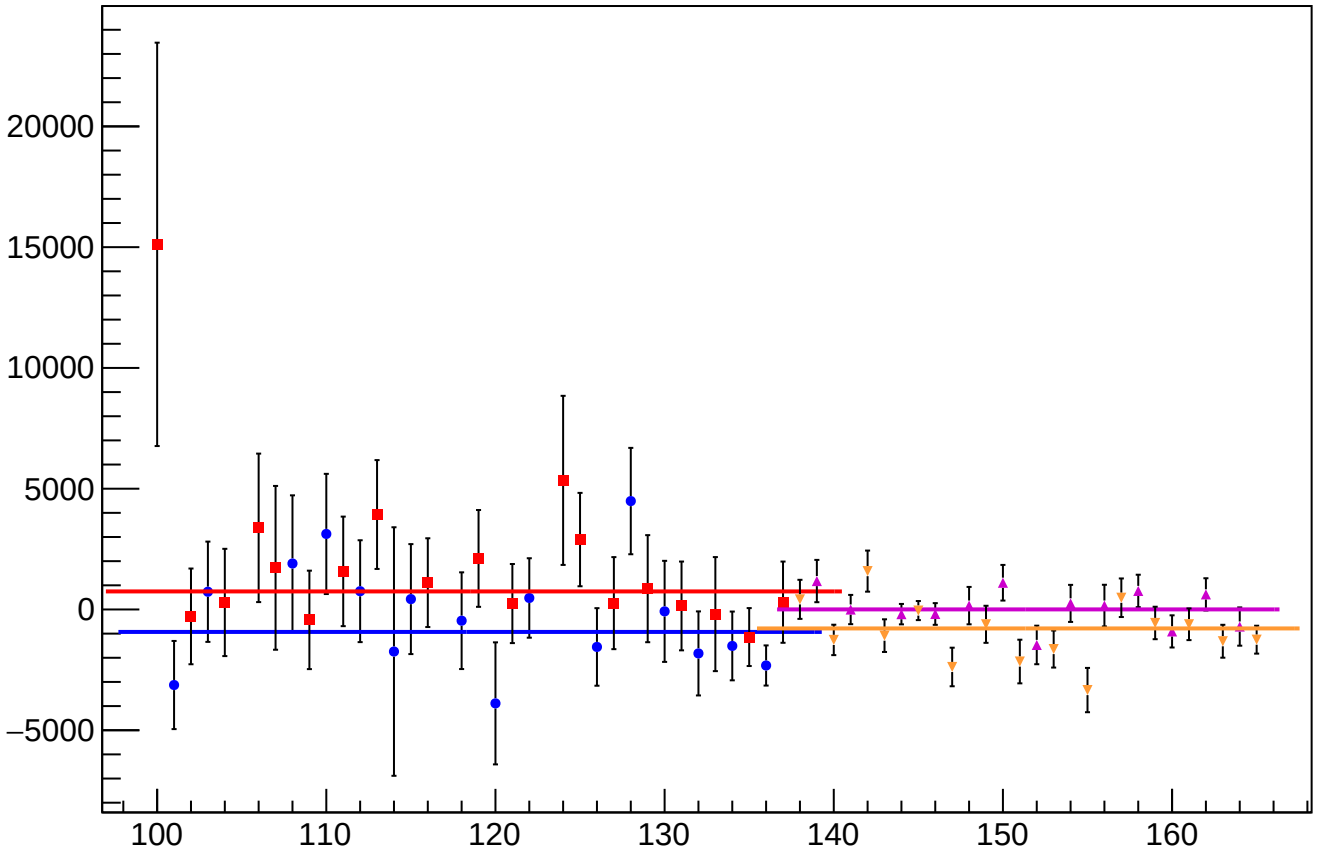
Left: 64.571+/-0.010 χ^2/NDF: 501354.6/27

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 70.095+/-0.012 χ^2/NDF:1955793.7/28

Out: 70.532+/-0.012 χ^2/NDF:2198522.5/33

All: 70.318+/-0.008 χ^2/NDF: 4154984.8/62



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -785.294+/-174.930 χ^2/NDF:33.6/14

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 2.746+/-179.538 χ^2/NDF:12.9/12

Left: -401.517+/-125.292 χ^2/NDF: 56.3/27

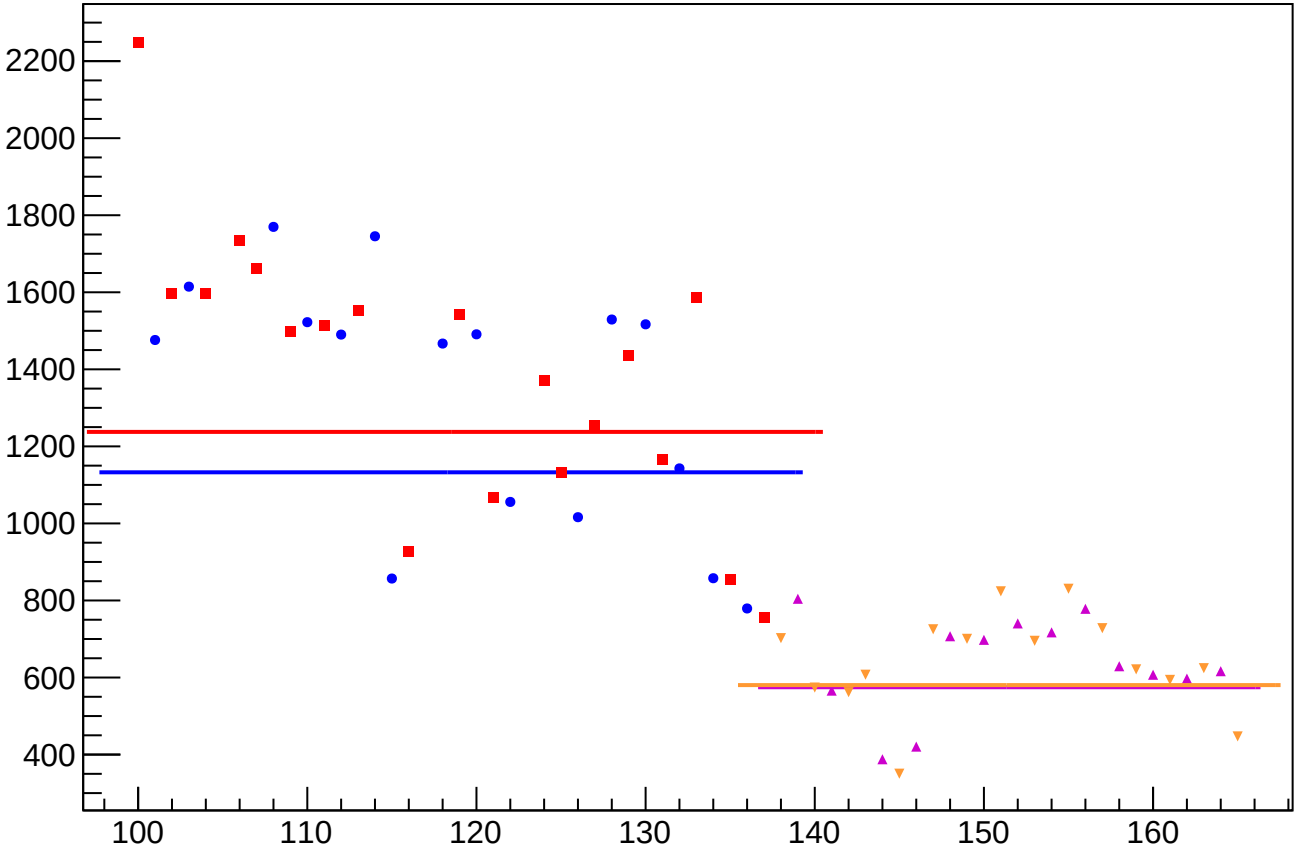
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -129.900+/-166.280 χ^2/NDF:35.2/28

Out: -597.363+/-163.853 χ^2/NDF:56.0/33

All: -367.067+/-116.710 χ^2/NDF: 95.2/62

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373350.6/14

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 574.767+/-0.127 χ^2/NDF:1171257.8/12

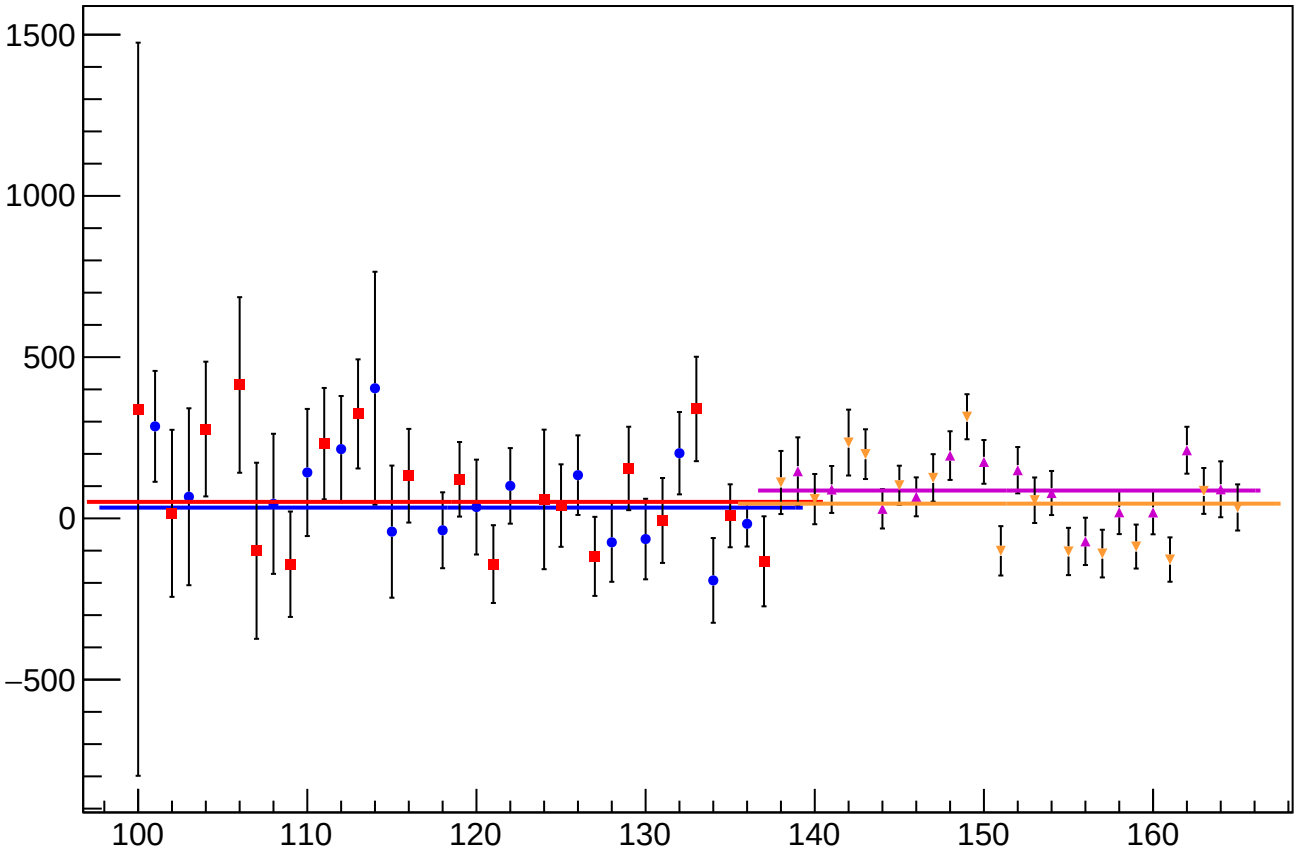
Left: 577.632+/-0.089 χ^2/NDF: 2545601.1/27

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 654.124+/-0.118 χ^2/NDF:5042521.9/28

Out: 660.949+/-0.116 χ^2/NDF:5730841.9/33

All: 657.587+/-0.083 χ^2/NDF: 10775073.5/62



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.707+/-19.056 χ^2/NDF:47.5/14

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 86.347+/-19.741 χ^2/NDF:15.4/12

Left: 65.309+/-13.710 χ^2/NDF: 65.1/27

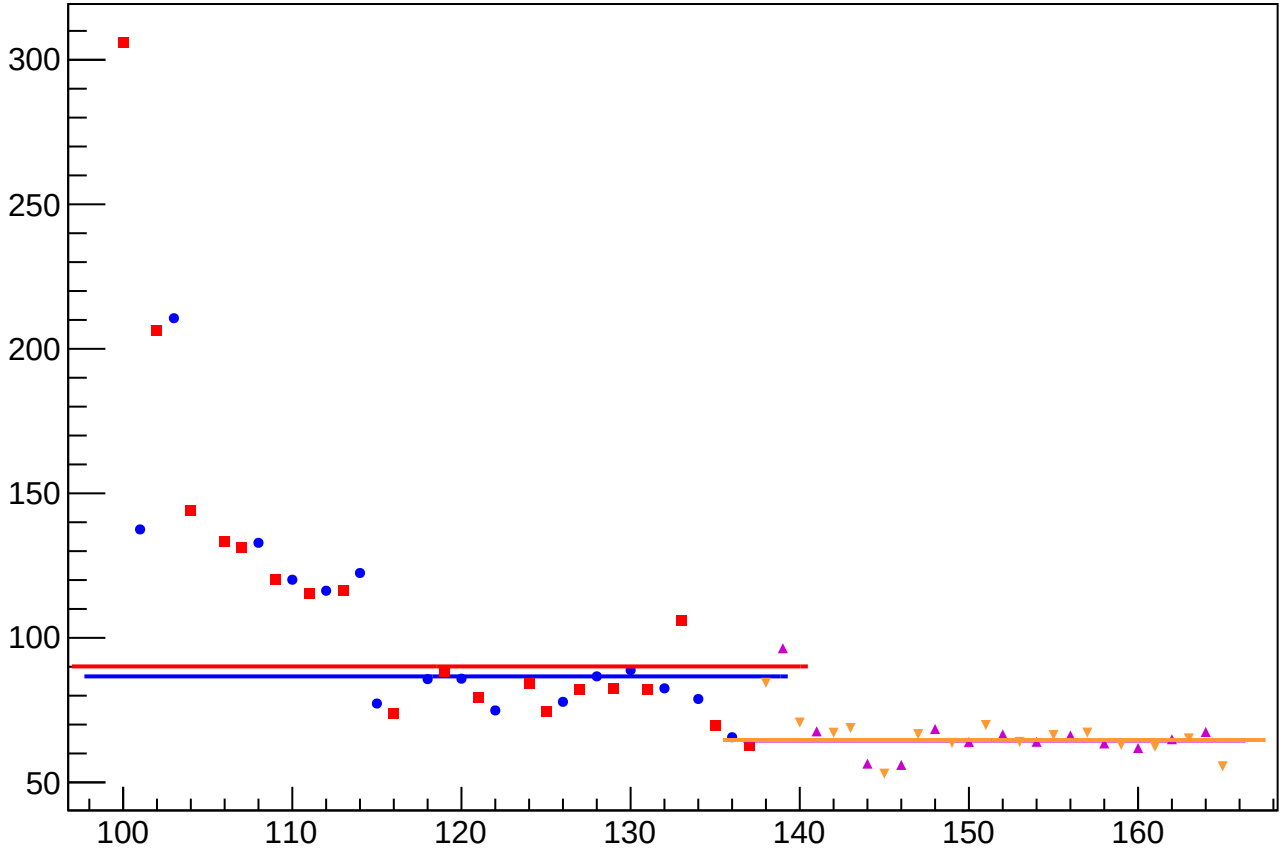
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 72.933+/-17.057 χ^2/NDF:30.1/28

Out: 46.968+/-16.720 χ^2/NDF:67.0/33

All: 59.691+/-11.940 χ^2/NDF: 98.2/62

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

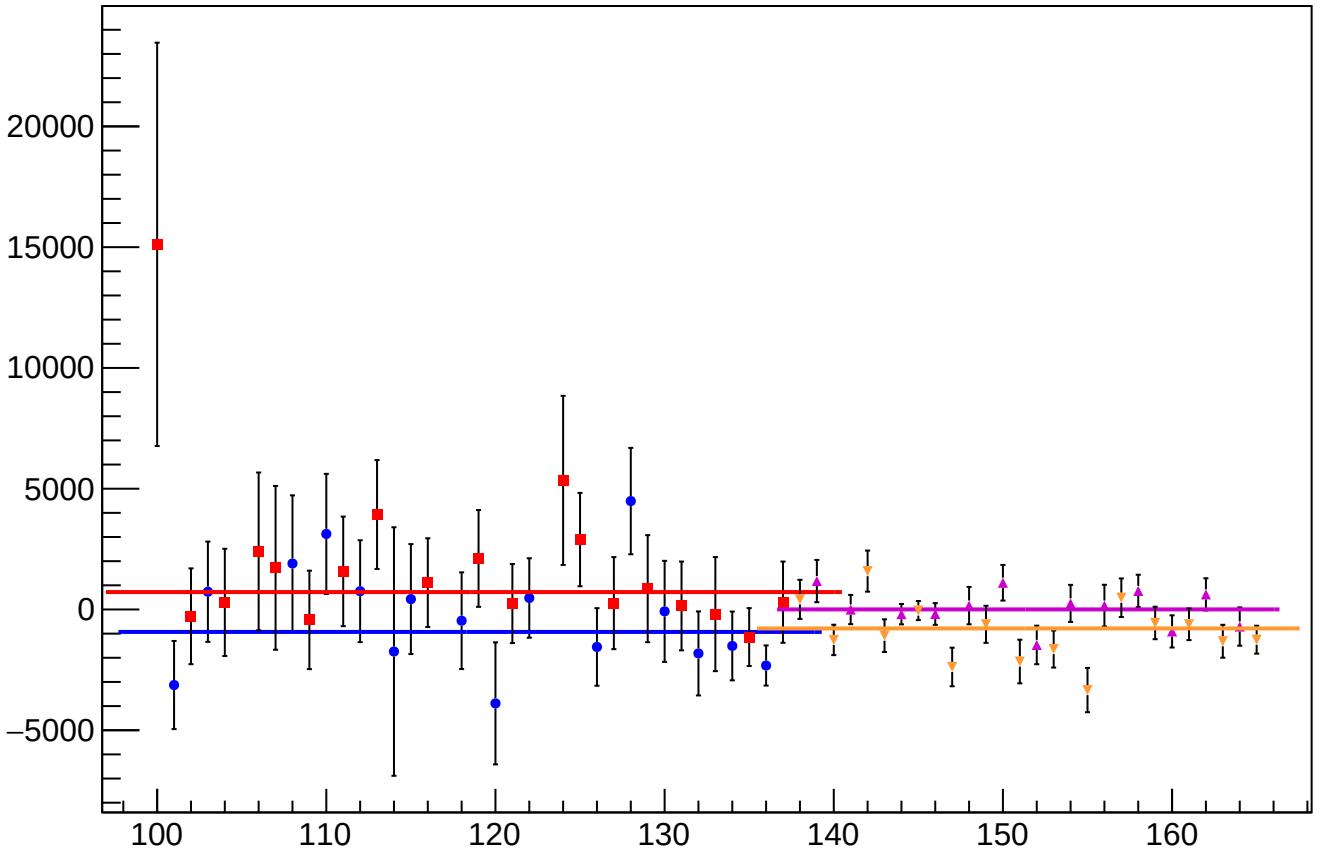
Left: 64.571+/-0.010 χ^2/NDF: 501354.6/27

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.095+/-0.012 χ^2/NDF:1955796.1/28

Out: 70.523+/-0.012 χ^2/NDF:2191357.1/33

All: 70.314+/-0.008 χ^2/NDF: 4147794.4/62



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -785.291+/-174.930 χ^2/NDF:33.6/14

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 2.747+/-179.538 χ^2/NDF:12.9/12

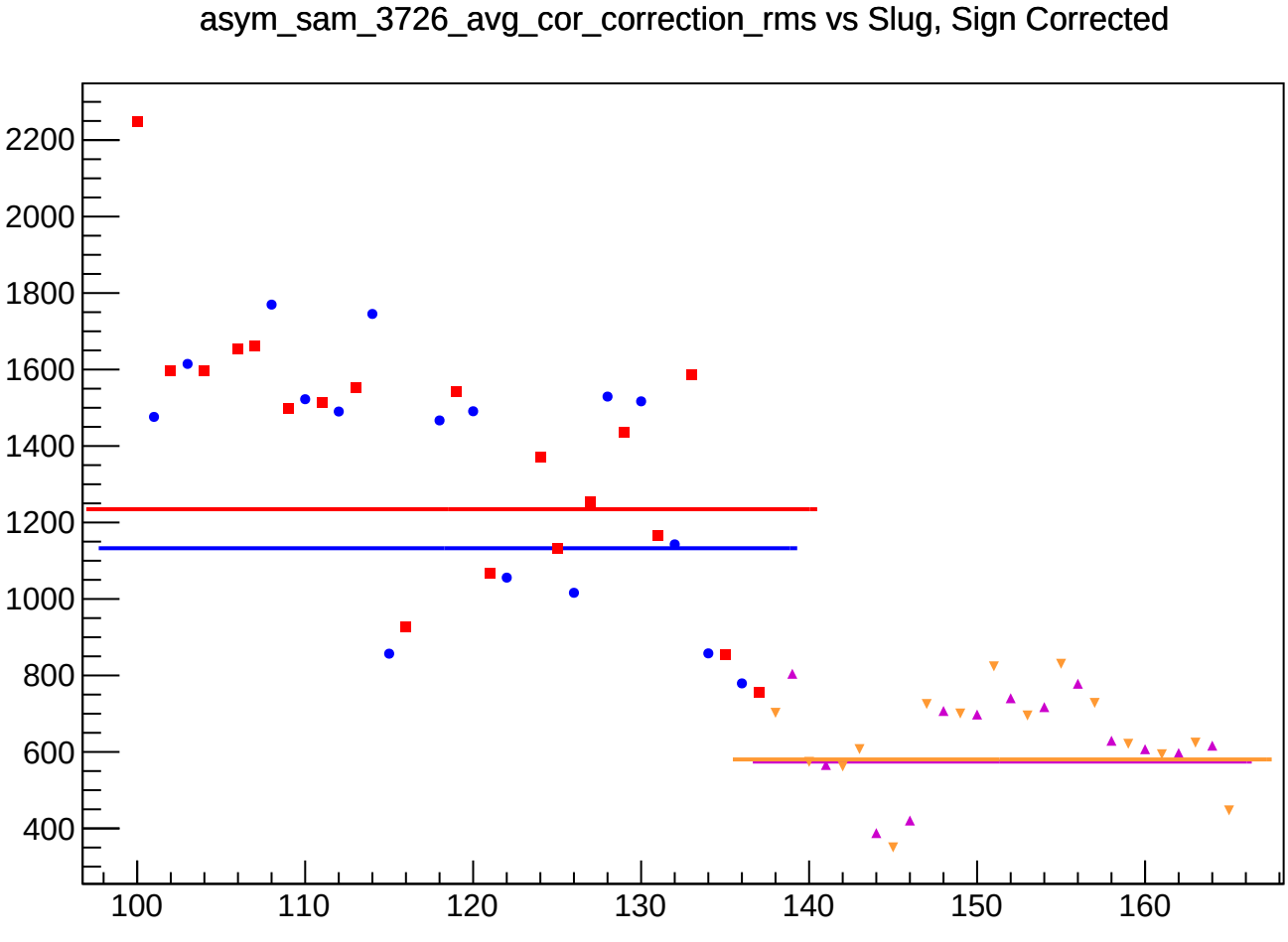
Left: -401.514+/-125.292 χ^2/NDF: 56.3/27

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -129.894+/-166.280 χ^2/NDF:35.2/28

Out: -601.062+/-163.881 χ^2/NDF:55.2/33

All: -368.902+/-116.720 χ^2/NDF: 94.4/62



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373353.1/14

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

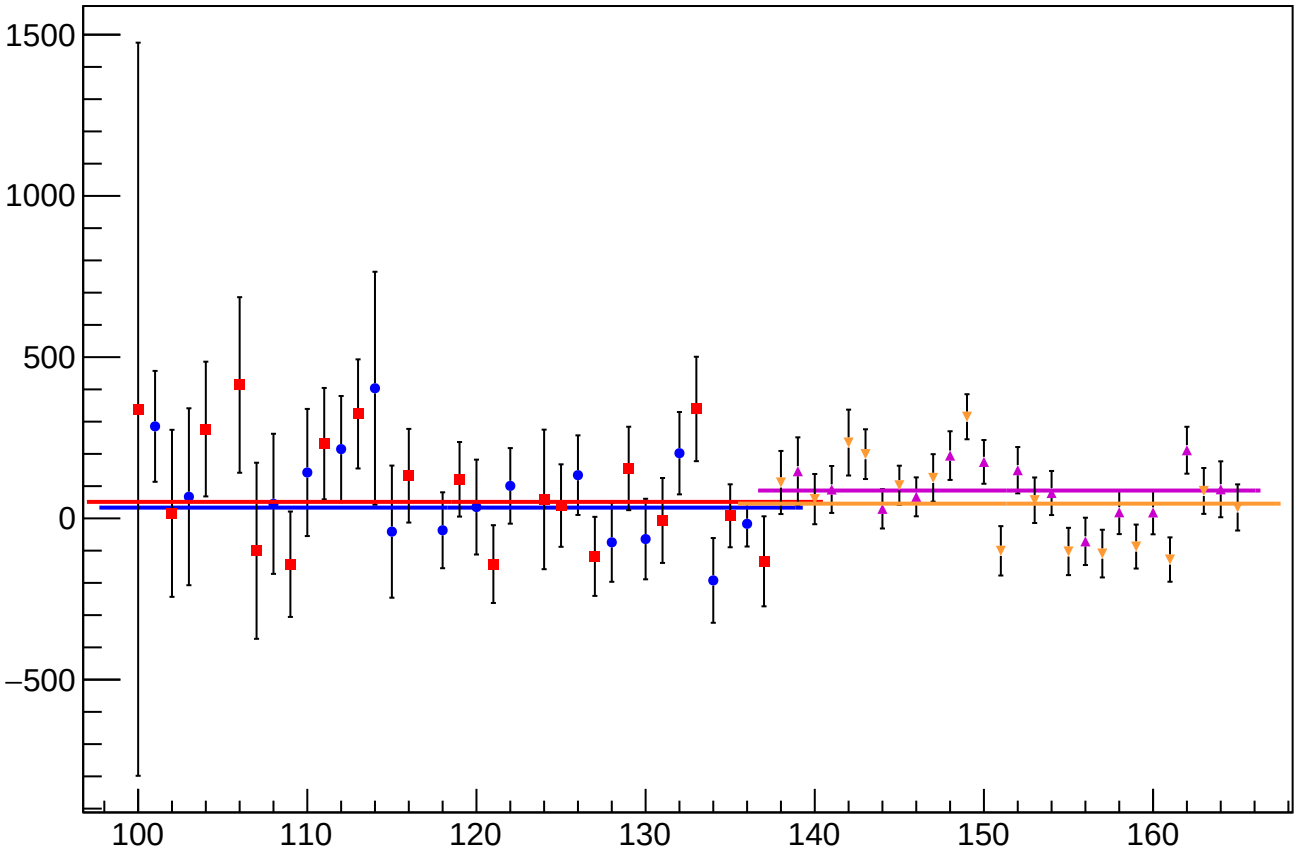
Left: 577.632+/-0.089 χ^2/NDF: 2545604.2/27

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 654.124+/-0.118 χ^2/NDF:5042558.2/28

Out: 660.404+/-0.116 χ^2/NDF:5673313.6/33

All: 657.310+/-0.083 χ^2/NDF: 10717319.1/62



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.707+/-19.056 χ^2/NDF:47.5/14

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 86.347+/-19.741 χ^2/NDF:15.4/12

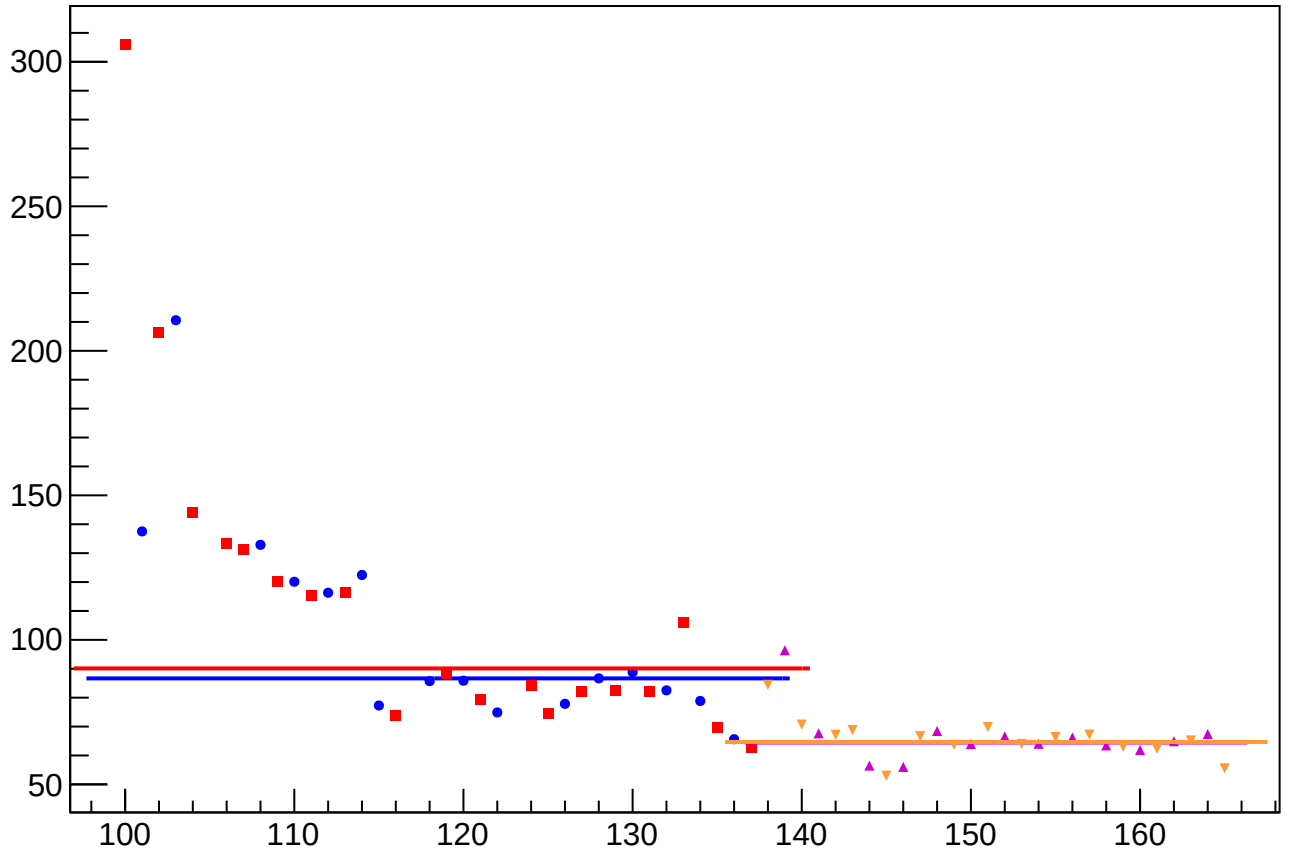
Left: 65.309+/-13.710 χ^2/NDF: 65.1/27

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 72.933+/-17.057 χ^2/NDF:30.1/28

Out: 46.968+/-16.720 χ^2/NDF:67.0/33

All: 59.691+/-11.940 χ^2/NDF: 98.2/62



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

Left: 64.571+/-0.010 χ^2/NDF: 501354.6/27

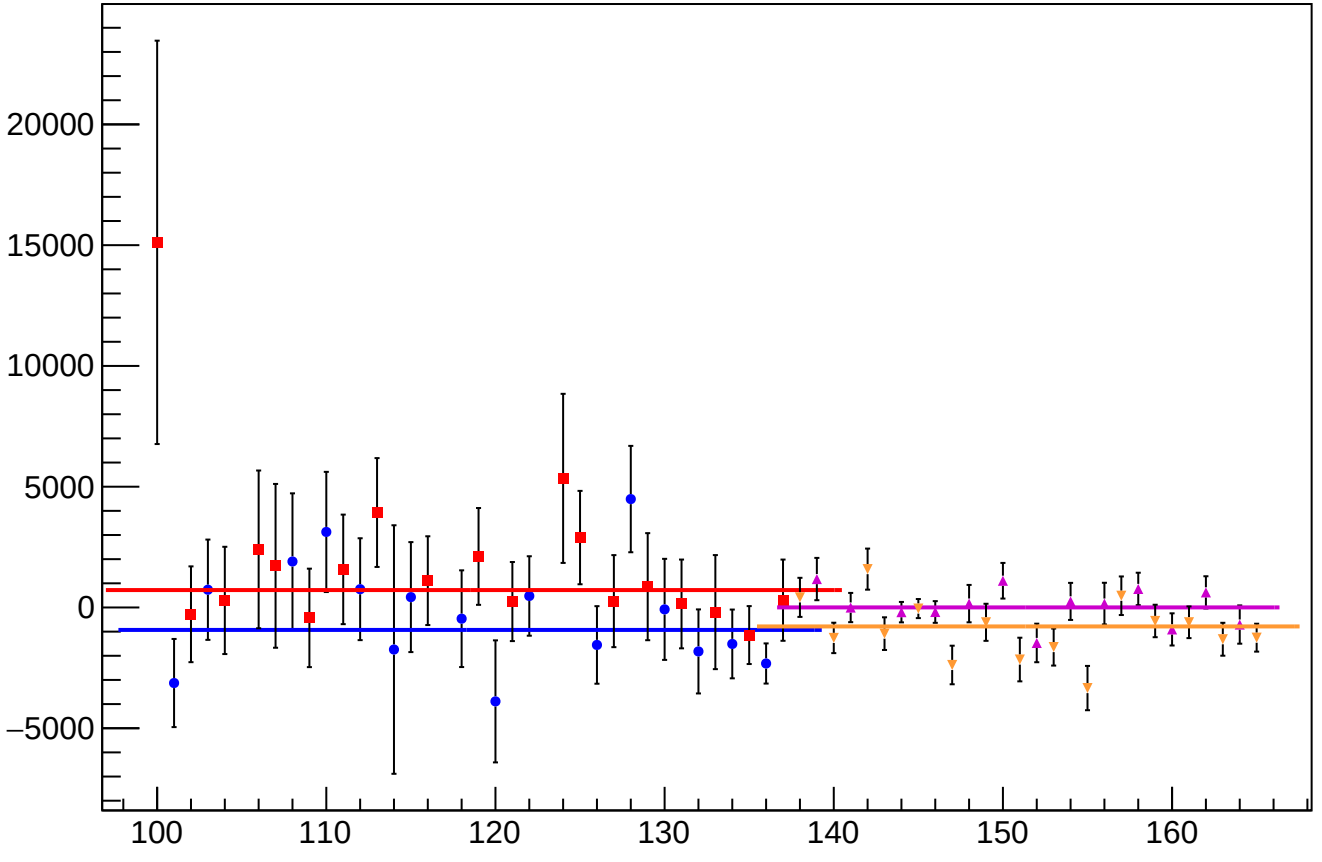
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.095+/-0.012 χ^2/NDF:1955796.1/28

Out: 70.523+/-0.012 χ^2/NDF:2191357.1/33

All: 70.314+/-0.008 χ^2/NDF: 4147794.4/62

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: -785.291+/-174.930 χ^2/NDF:33.6/14

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 2.747+/-179.538 χ^2/NDF:12.9/12

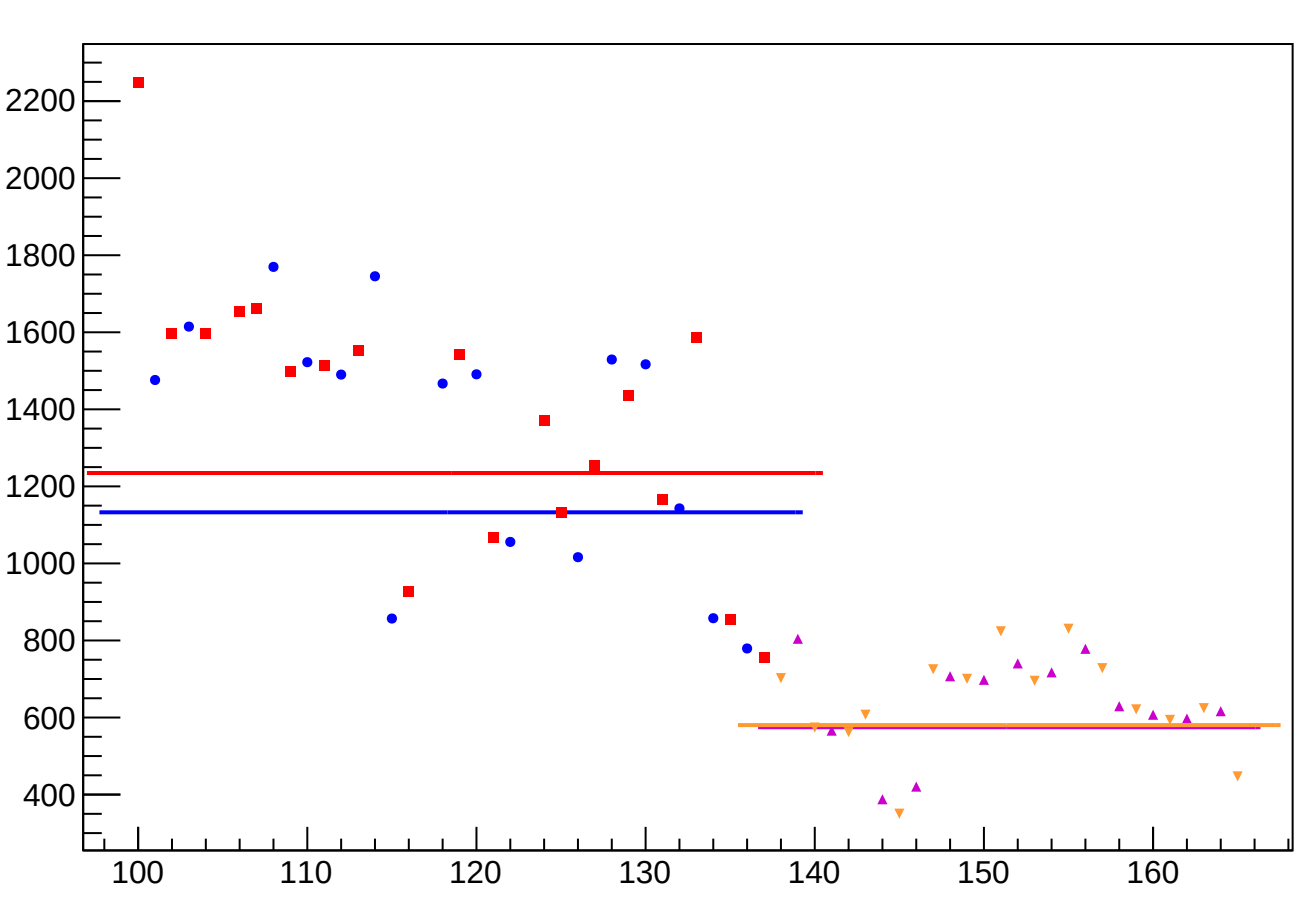
Left: -401.514+/-125.292 χ^2/NDF: 56.3/27

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -129.894+/-166.280 χ^2/NDF:35.2/28

Out: -601.062+/-163.881 χ^2/NDF:55.2/33

All: -368.902+/-116.720 χ^2/NDF: 94.4/62



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373353.1/14

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

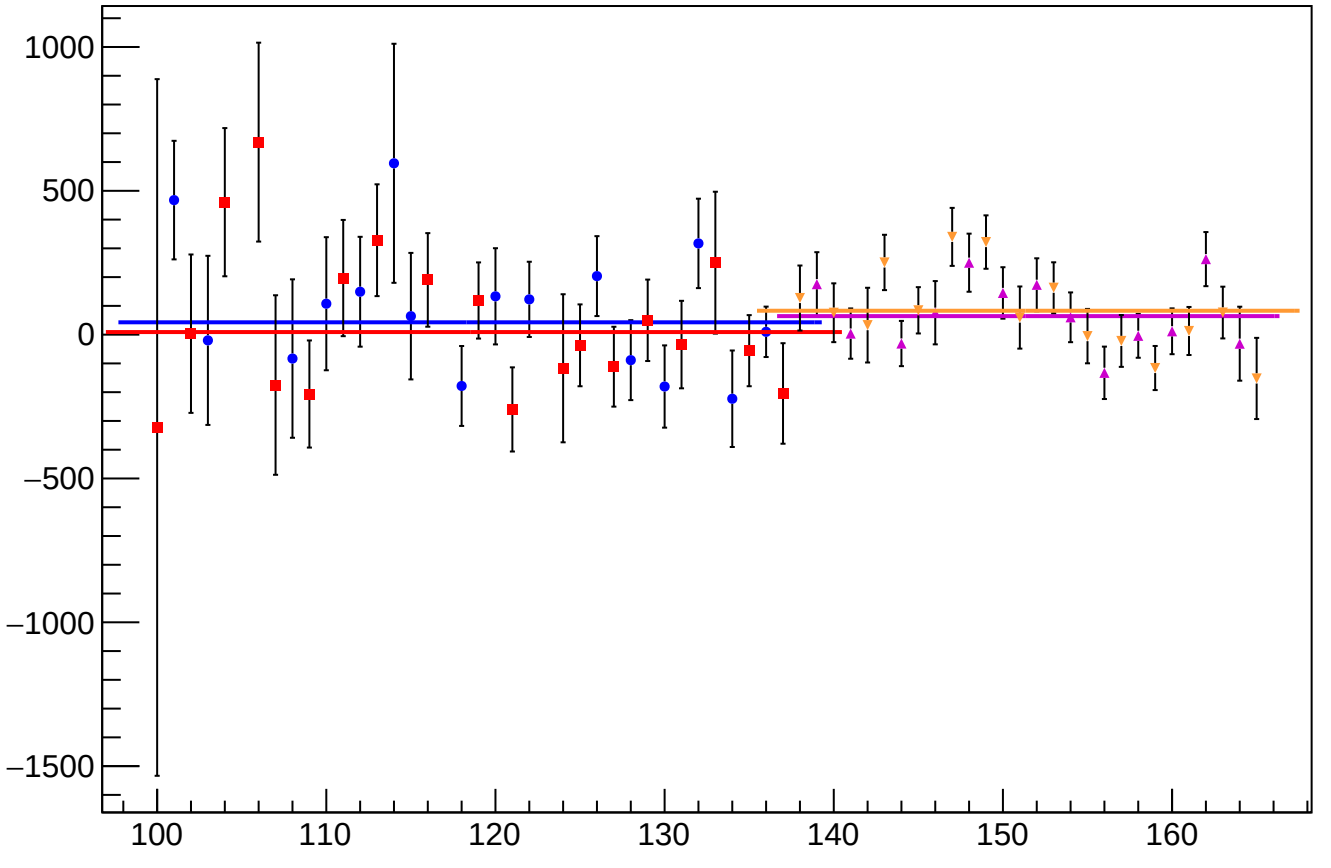
Left: 577.632+/-0.089 χ^2/NDF: 2545604.2/27

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 654.124+/-0.118 χ^2/NDF:5042558.2/28

Out: 660.404+/-0.116 χ^2/NDF:5673313.6/33

All: 657.310+/-0.083 χ^2/NDF: 10717319.1/62



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 83.108+/-24.647 χ^2/NDF:29.8/14

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 64.424+/-25.366 χ^2/NDF:19.5/12

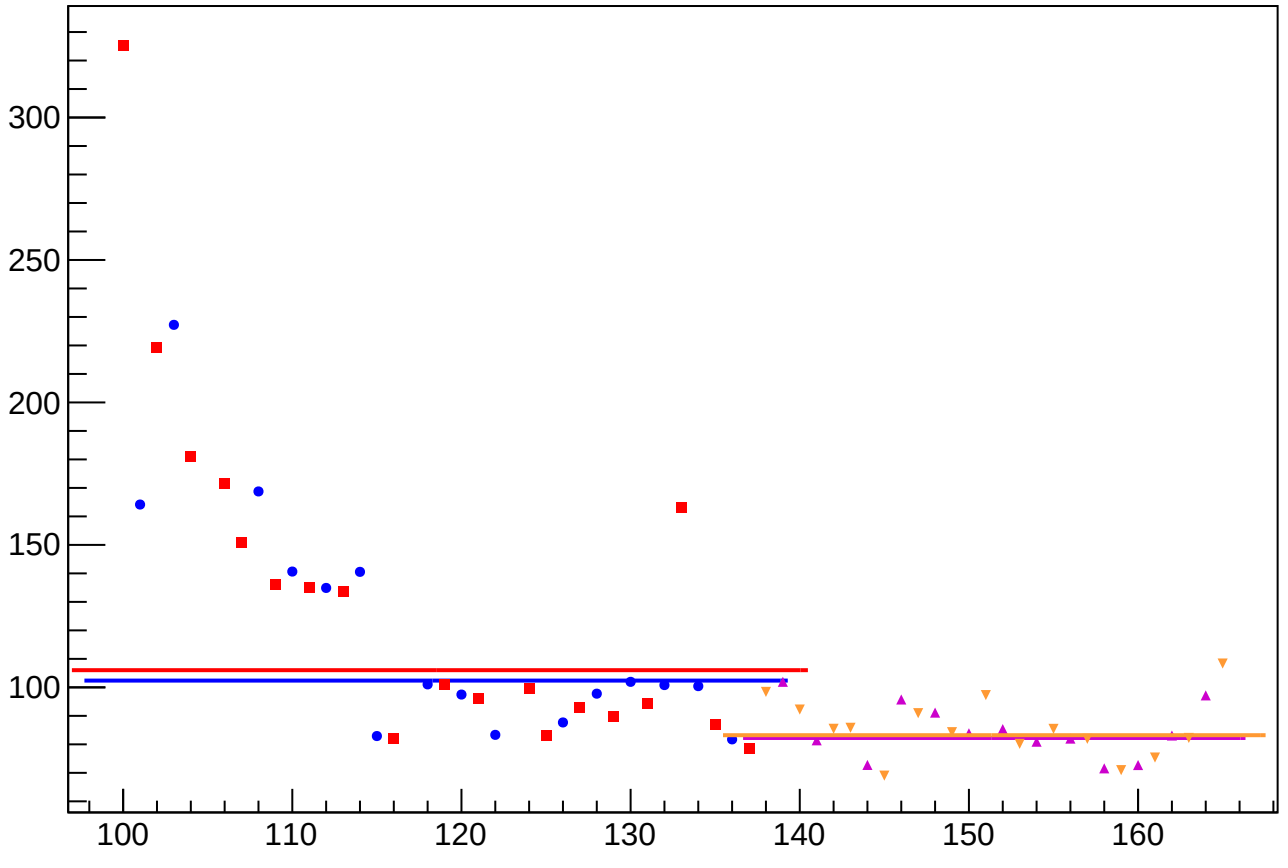
Left: 74.035+/-17.677 χ^2/NDF: 49.6/27

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 58.244+/-21.414 χ^2/NDF:40.0/28

Out: 63.475+/-21.132 χ^2/NDF:53.5/33

All: 60.894+/-15.041 χ^2/NDF: 93.6/62



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 83.211+/-0.017 χ^2/NDF:298352.4/14

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.237+/-0.018 χ^2/NDF:235831.9/12

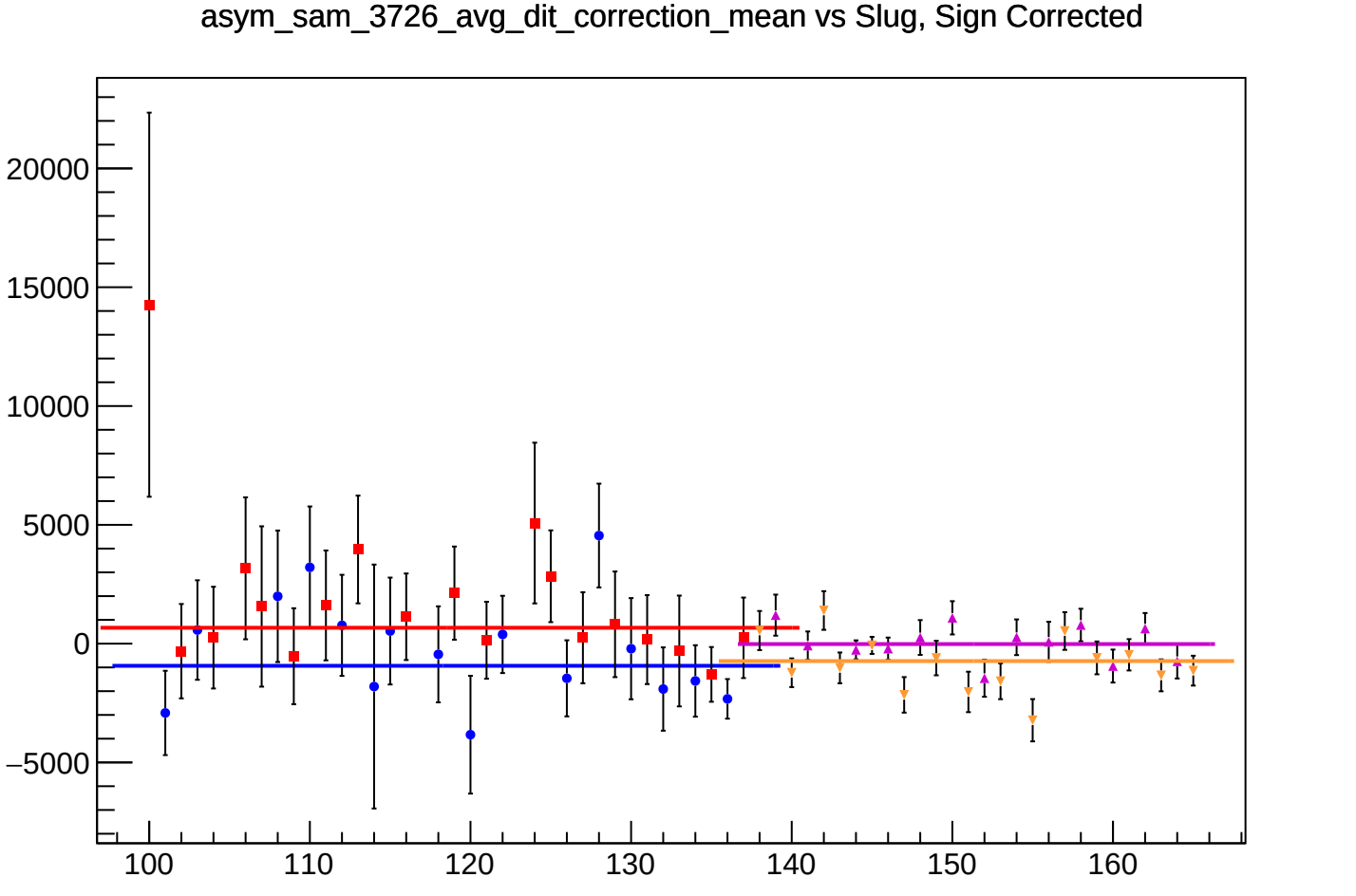
Left: 82.738+/-0.012 χ^2/NDF: 535700.7/27

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 88.025+/-0.015 χ^2/NDF:1580456.5/28

Out: 89.256+/-0.015 χ^2/NDF:1943829.6/33

All: 88.649+/-0.011 χ^2/NDF: 3527636.4/62



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -732.797+/-169.761 χ^2/NDF:32.6/14

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -17.629+/-176.193 χ^2/NDF:13.9/12

Left: -388.504+/-122.250 χ^2/NDF: 55.0/27

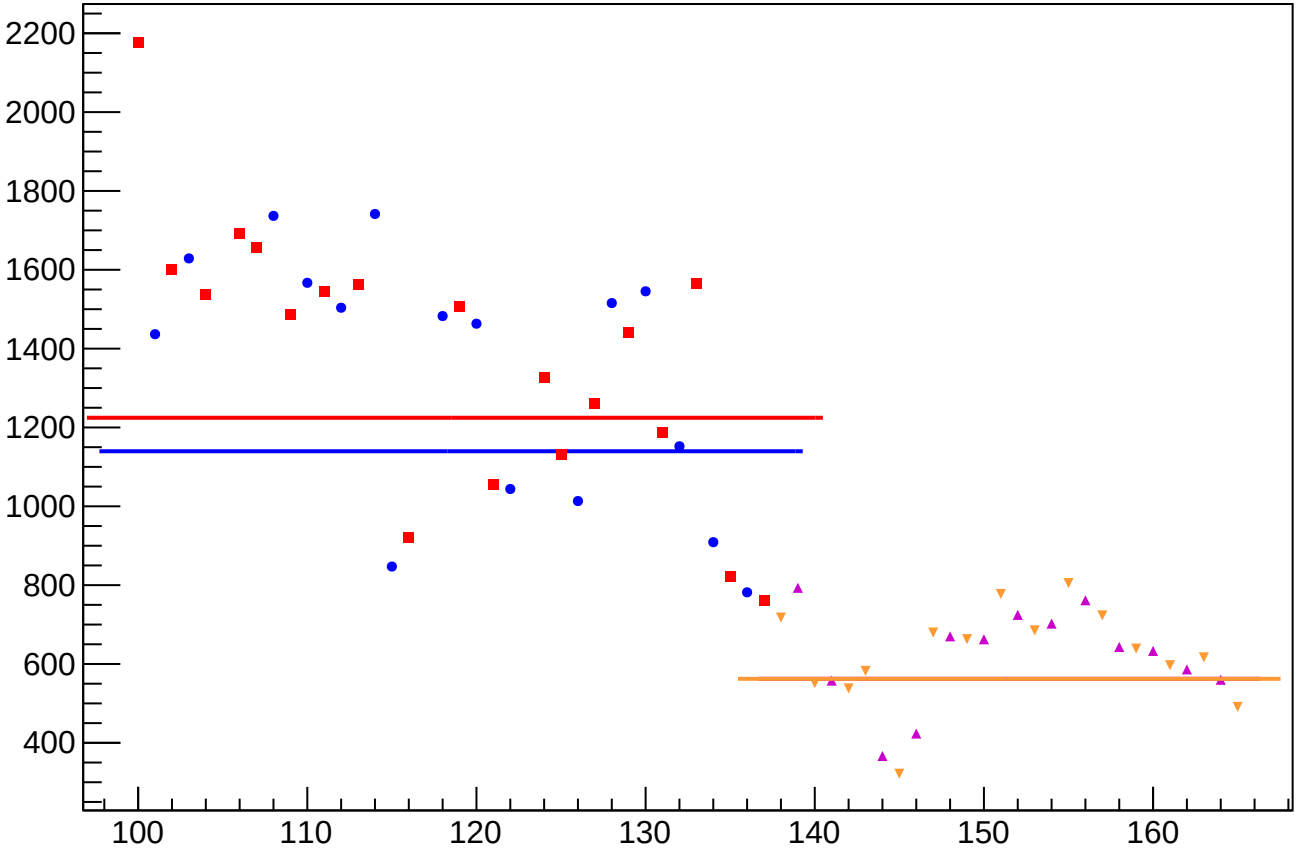
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -142.701+/-163.705 χ^2/NDF:36.0/28

Out: -566.869+/-159.394 χ^2/NDF:54.1/33

All: -360.443+/-114.202 χ^2/NDF: 93.6/62

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 562.376+/-0.120 χ^2/NDF:1543117.6/14

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 562.452+/-0.125 χ^2/NDF:1204275.7/12

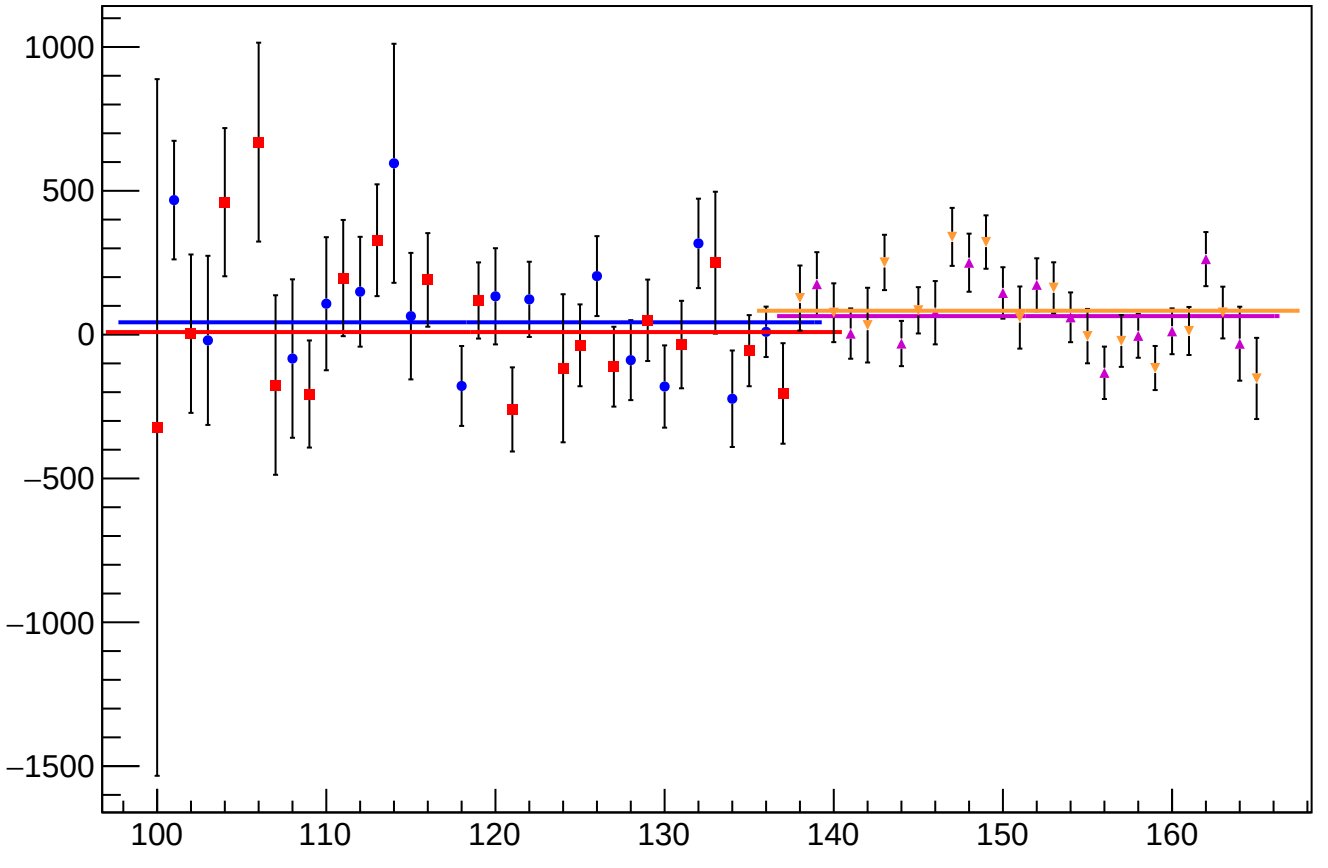
Left: 562.412+/-0.086 χ^2/NDF: 2747393.5/27

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 641.372+/-0.116 χ^2/NDF:5232445.1/28

Out: 640.793+/-0.113 χ^2/NDF:6069586.7/33

All: 641.075+/-0.081 χ^2/NDF: 11302044.6/62



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 83.109+/-24.647 χ^2/NDF:29.8/14

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 64.423+/-25.366 χ^2/NDF:19.5/12

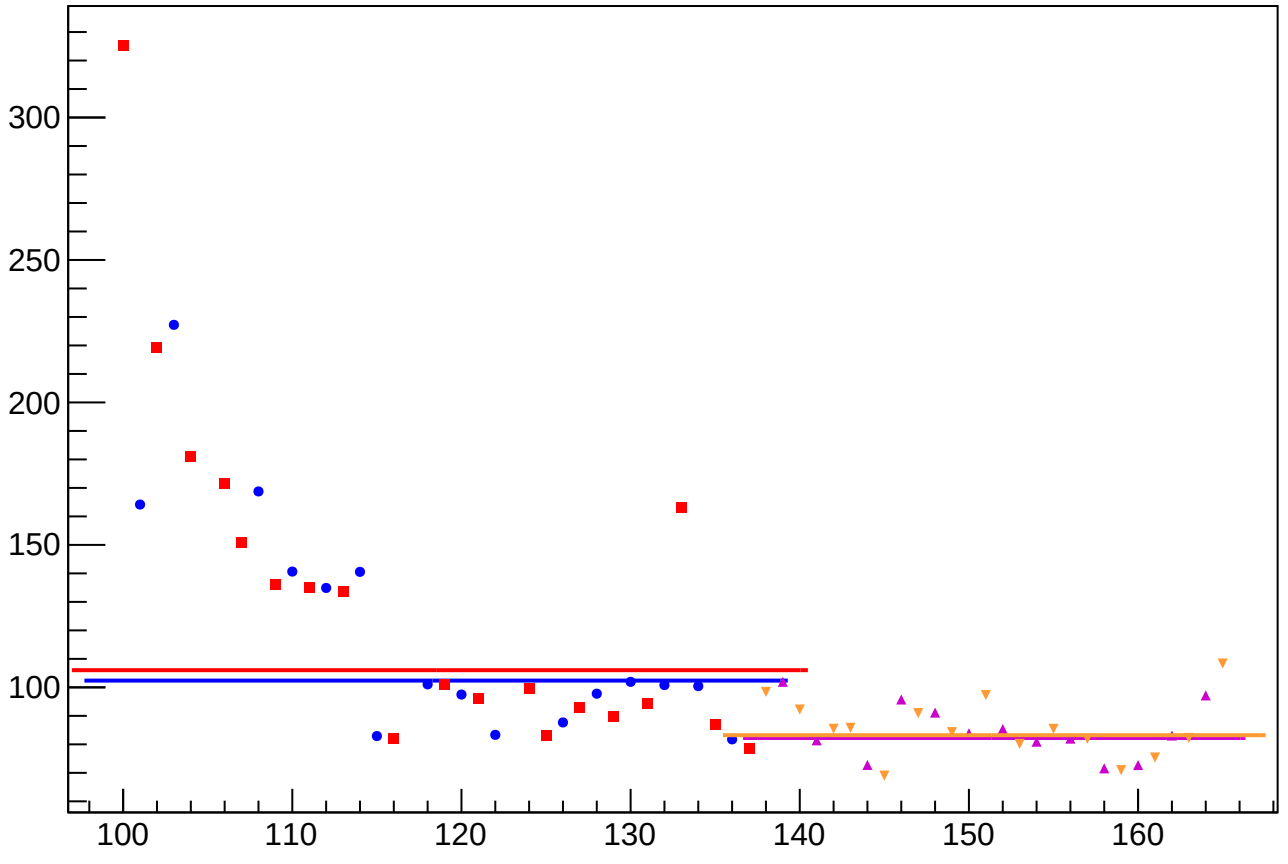
Left: 74.034+/-17.677 χ^2/NDF: 49.6/27

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 58.242+/-21.414 χ^2/NDF:40.0/28

Out: 63.475+/-21.132 χ^2/NDF:53.5/33

All: 60.893+/-15.041 χ^2/NDF: 93.6/62



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 83.212+/-0.017 χ^2/NDF:298347.0/14

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.238+/-0.018 χ^2/NDF:235837.9/12

Left: 82.739+/-0.012 χ^2/NDF: 535701.3/27

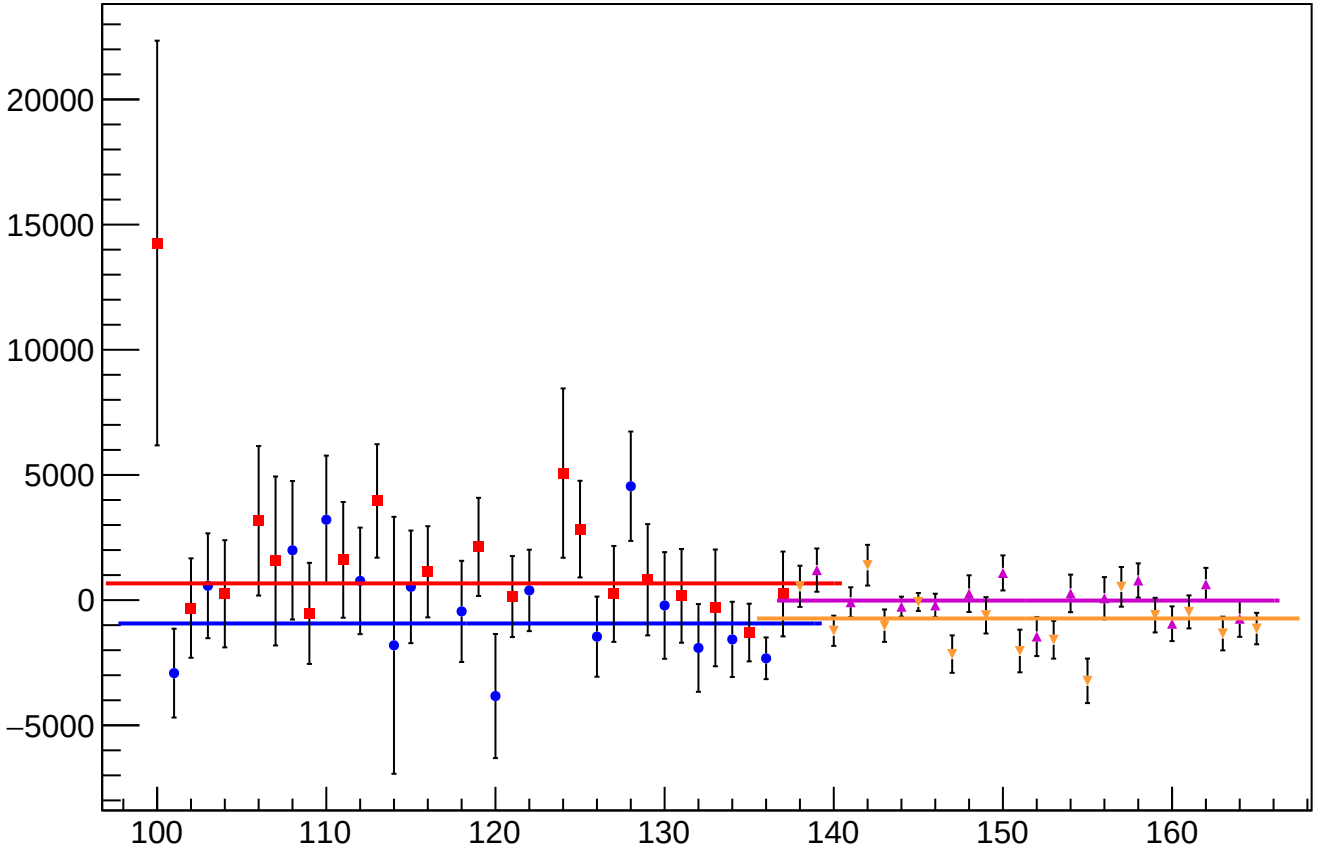
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 88.025+/-0.015 χ^2/NDF:1580441.0/28

Out: 89.256+/-0.015 χ^2/NDF:1943811.4/33

All: 88.649+/-0.011 χ^2/NDF: 3527603.0/62

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: -732.795+/-169.761 χ^2/NDF:32.6/14

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -17.630+/-176.192 χ^2/NDF:13.9/12

Left: -388.503+/-122.250 χ^2/NDF: 55.0/27

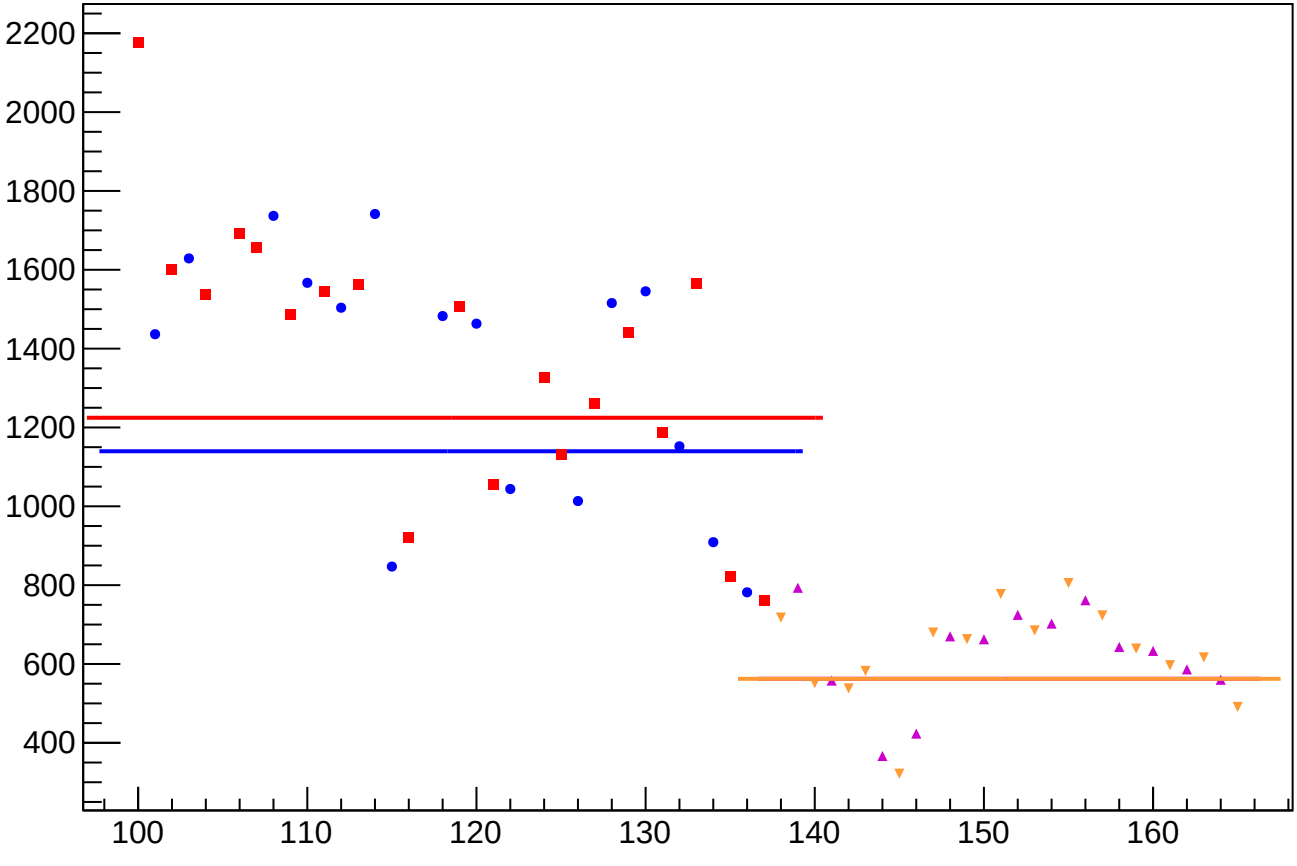
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -142.701+/-163.705 χ^2/NDF:36.0/28

Out: -566.867+/-159.394 χ^2/NDF:54.1/33

All: -360.443+/-114.202 χ^2/NDF: 93.6/62

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: 562.375+/-0.120 χ^2/NDF:1543137.2/14

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 562.451+/-0.125 χ^2/NDF:1204281.4/12

Left: 562.411+/-0.086 χ^2/NDF: 2747418.8/27

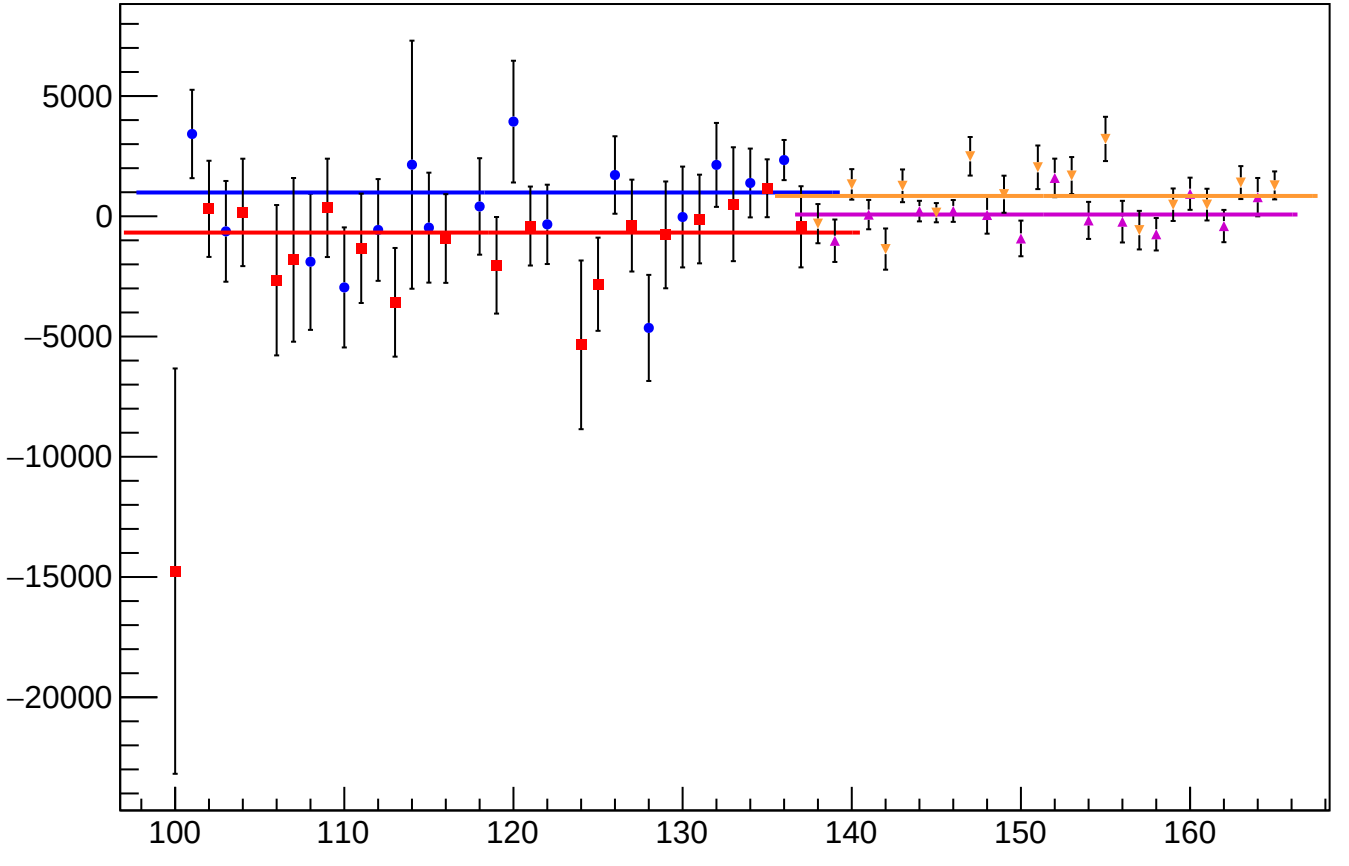
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 641.371+/-0.116 χ^2/NDF:5232441.6/28

Out: 640.792+/-0.113 χ^2/NDF:6069602.5/33

All: 641.074+/-0.081 χ^2/NDF: 11302056.9/62

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 845.747+/-176.181 χ^2/NDF:31.4/14

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 73.473+/-180.864 χ^2/NDF:11.8/12

Left: 469.738+/-126.202 χ^2/NDF: 52.6/27

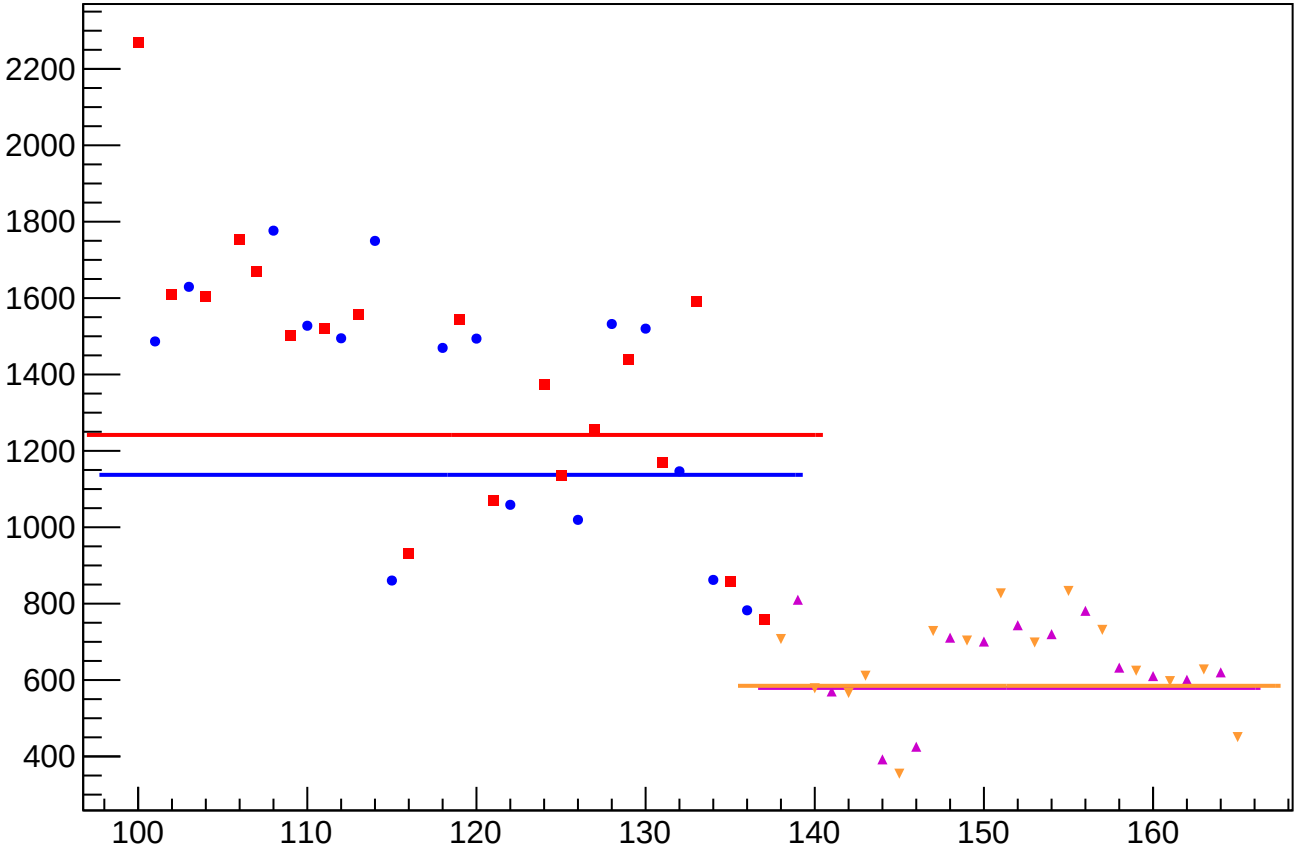
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 204.506+/-167.426 χ^2/NDF:34.6/28

Out: 657.820+/-164.956 χ^2/NDF:52.5/33

All: 434.532+/-117.505 χ^2/NDF: 90.8/62

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 584.898+/-0.125 χ^2/NDF:1342476.1/14

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 579.396+/-0.128 χ^2/NDF:1144764.4/12

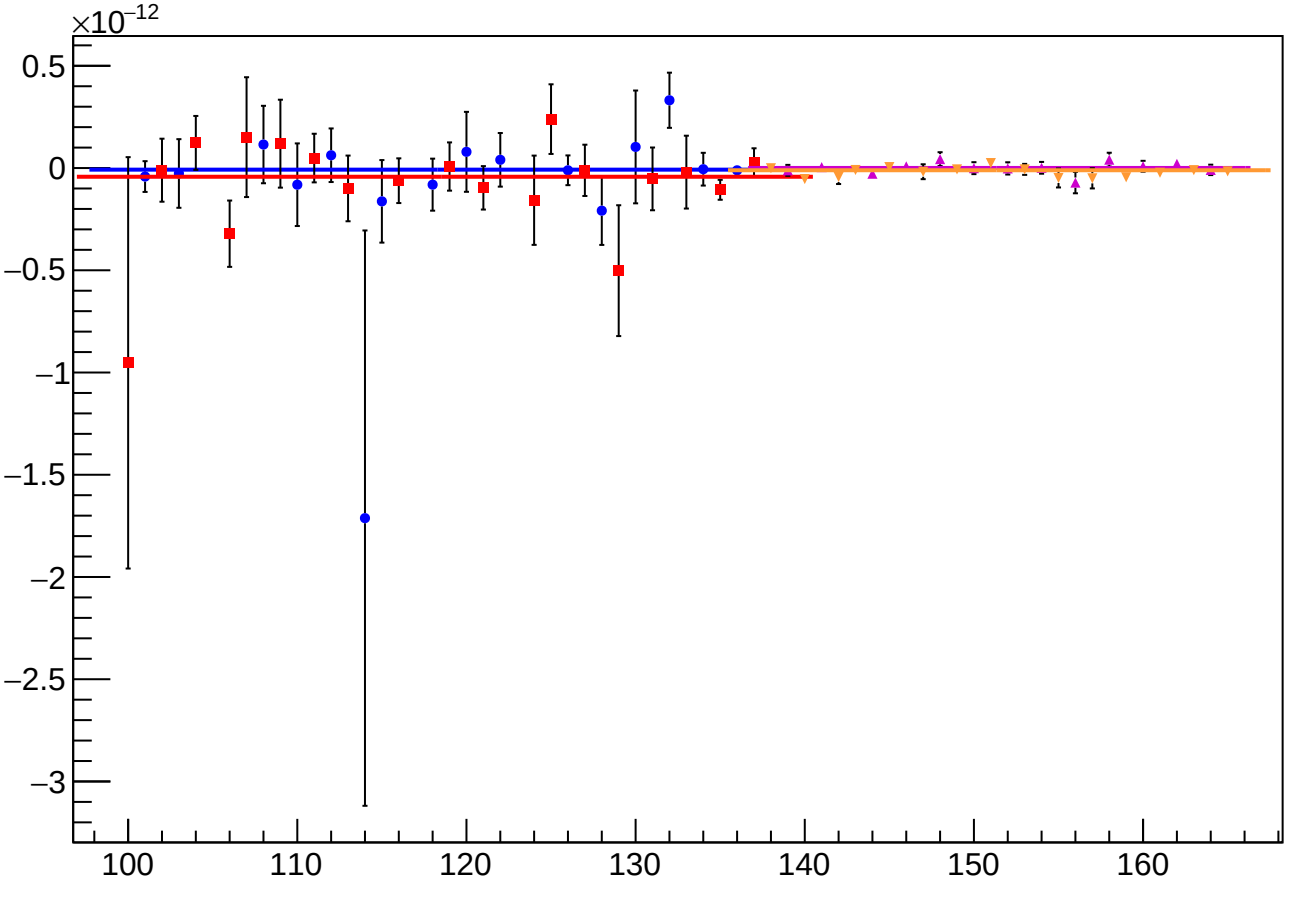
Left: 582.220+/-0.089 χ^2/NDF: 2488190.2/27

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 659.206+/-0.118 χ^2/NDF:4990381.4/28

Out: 665.924+/-0.117 χ^2/NDF:5670979.9/33

All: 662.615+/-0.083 χ^2/NDF: 10662995.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

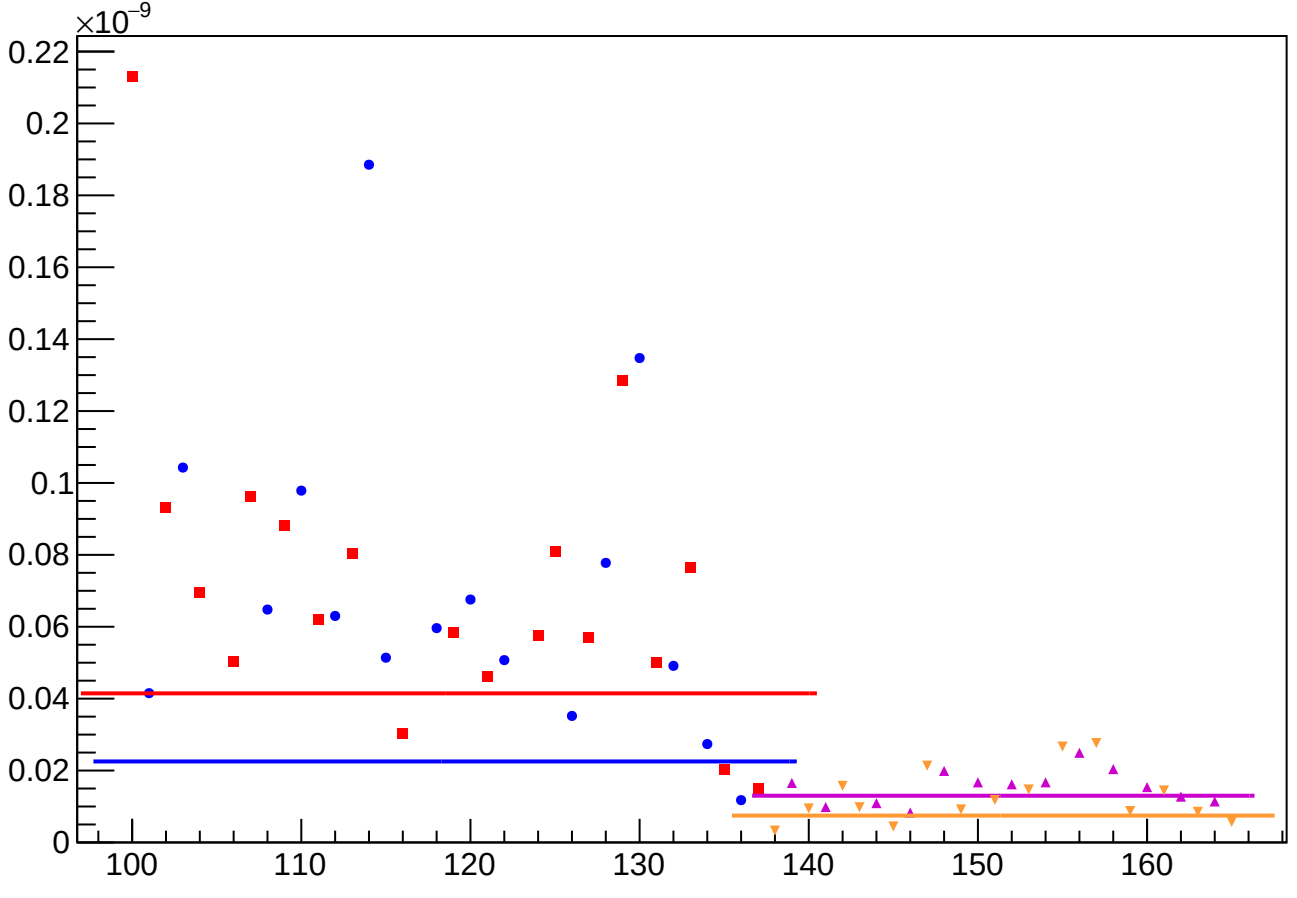
Left: -0.000+/-0.000 χ^2/NDF: 29.3/27

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:21.1/28

Out: -0.000+/-0.000 χ^2/NDF:35.1/33

All: -0.000+/-0.000 χ^2/NDF: 58.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2156816.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:691884.3/12

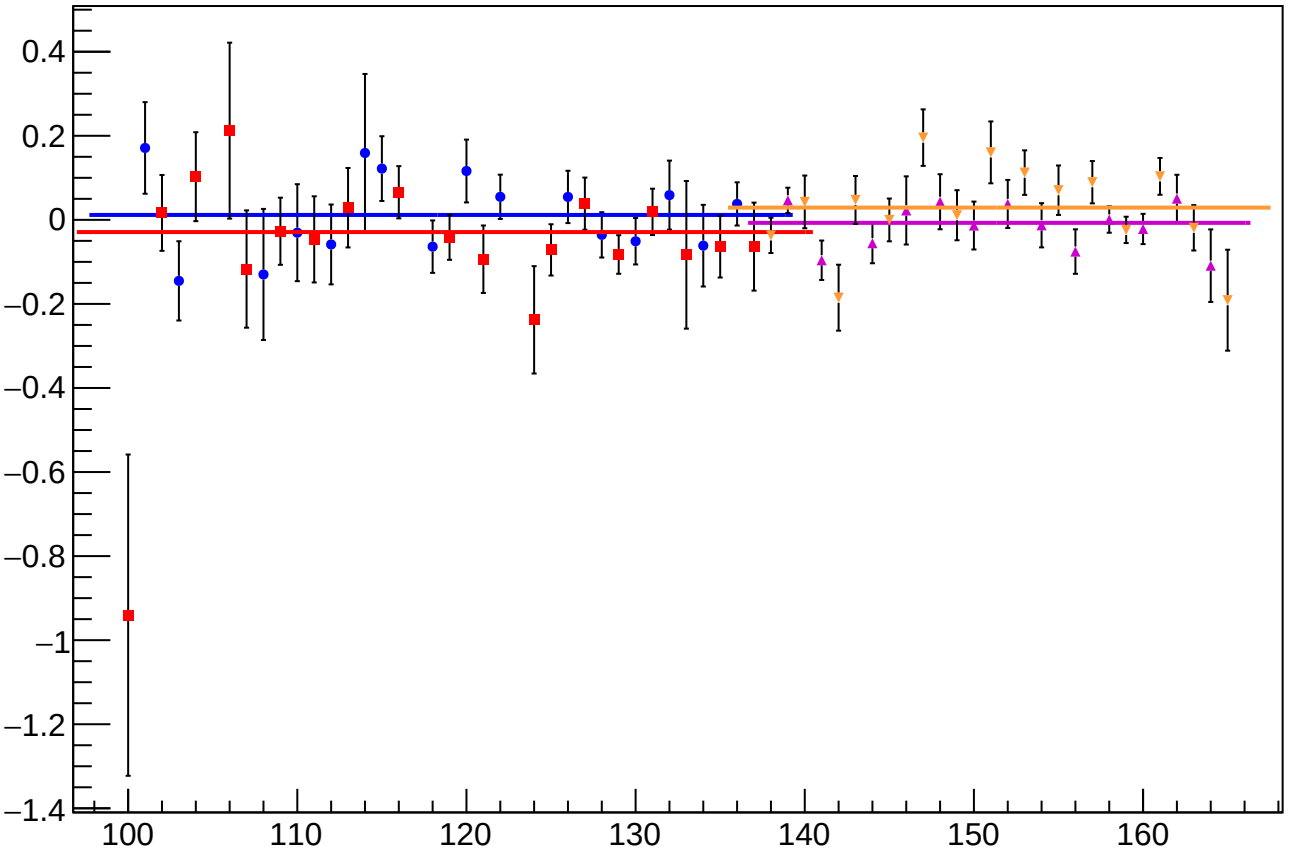
Left: 0.000+/-0.000 χ^2/NDF: 3774253.5/27

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4068945.2/28

Out: 0.000+/-0.000 χ^2/NDF:7074051.3/33

All: 0.000+/-0.000 χ^2/NDF: 12298770.9/62



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

Left: 0.010+/-0.009 χ^2/NDF: 51.3/27

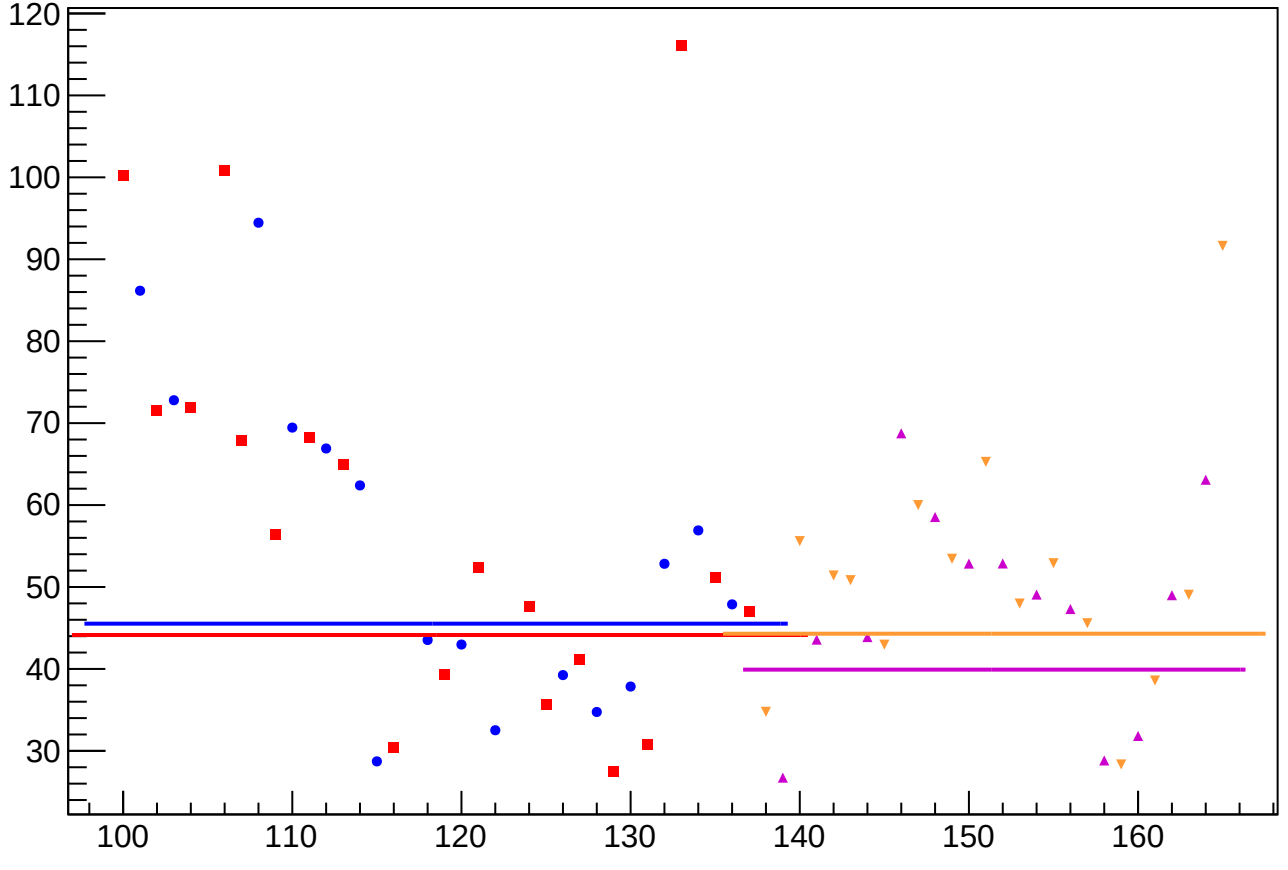
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/62

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.299+/-0.010 χ^2/NDF:1463814.7/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

Left: 41.995+/-0.007 χ^2/NDF: 3246618.0/27

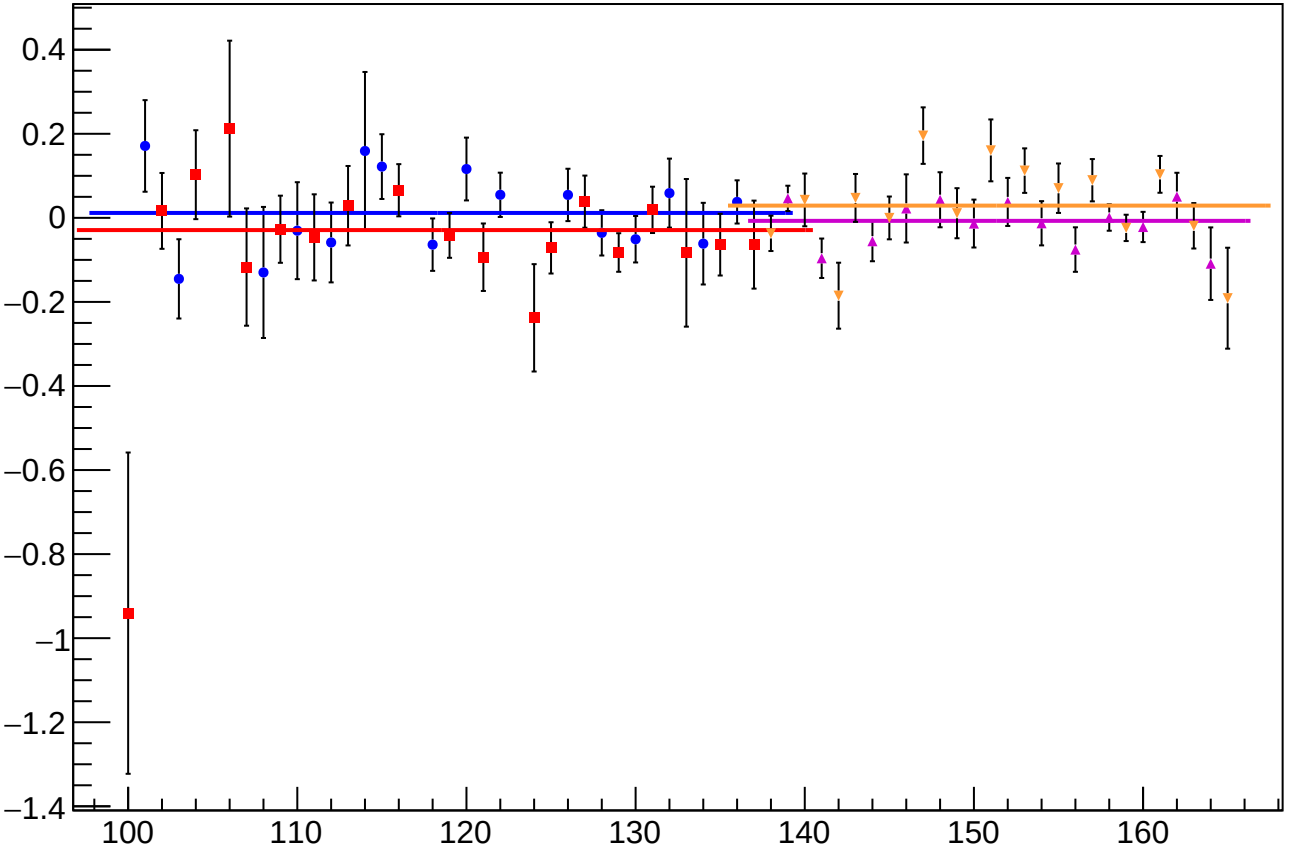
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.790+/-0.007 χ^2/NDF:3053382.7/28

Out: 44.241+/-0.008 χ^2/NDF:3207344.7/33

All: 42.985+/-0.005 χ^2/NDF: 6312977.4/62

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: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

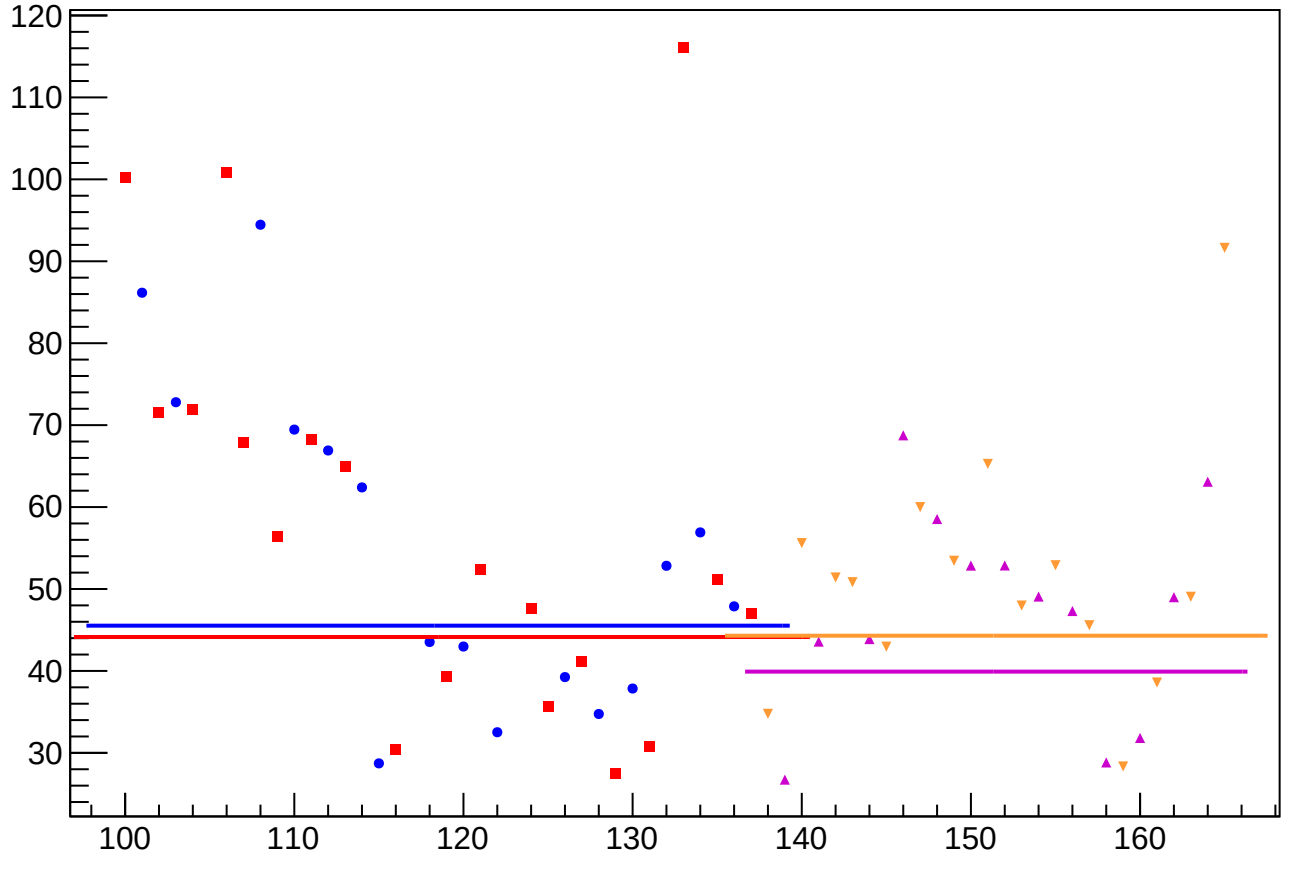
Left: 0.010+/-0.009 χ^2/NDF: 51.3/27

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/62



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.299+/-0.010 χ^2/NDF:1463814.7/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

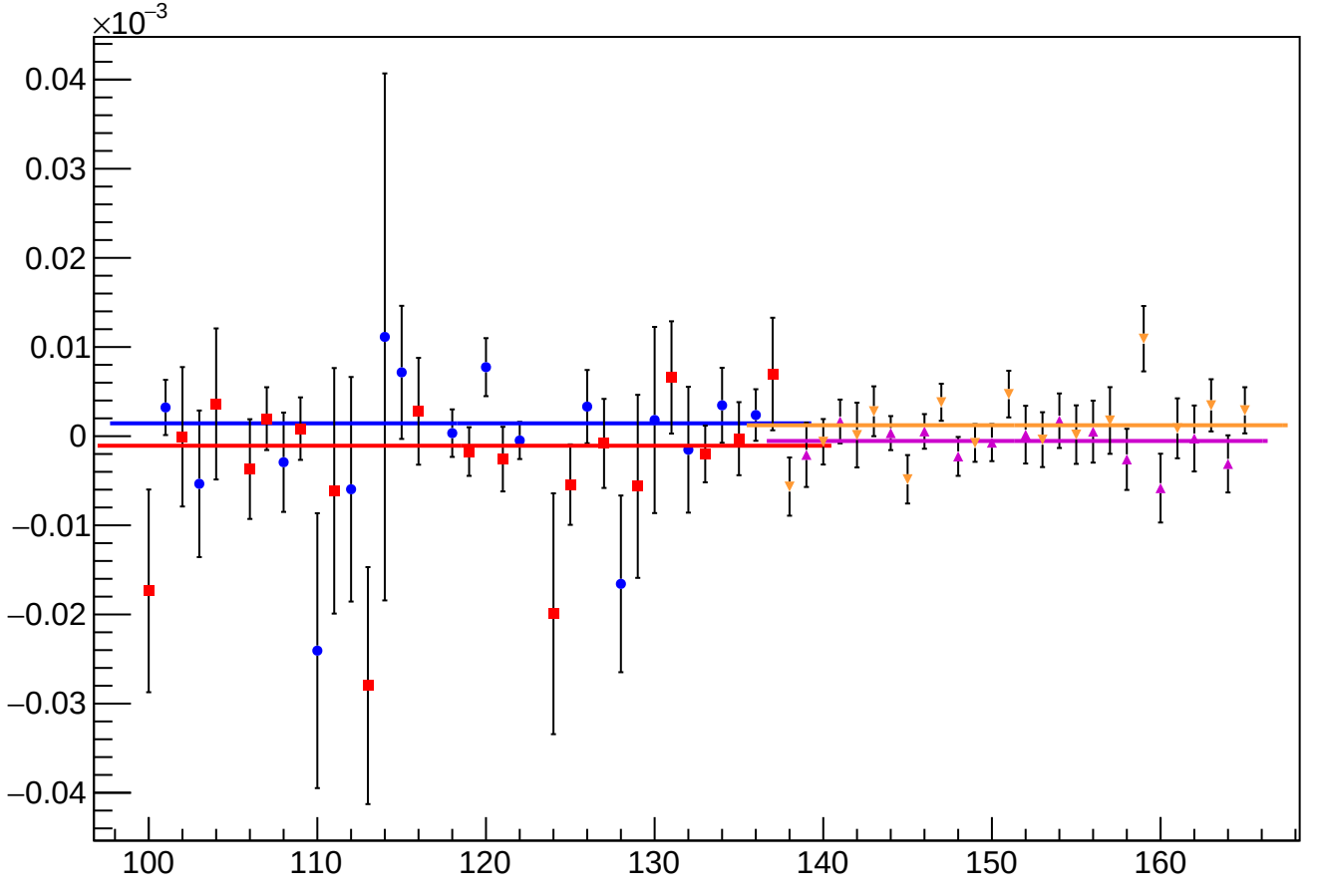
Left: 41.995+/-0.007 χ^2/NDF: 3246618.0/27

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.790+/-0.007 χ^2/NDF:3053382.7/28

Out: 44.241+/-0.008 χ^2/NDF:3207344.7/33

All: 42.985+/-0.005 χ^2/NDF: 6312977.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/12

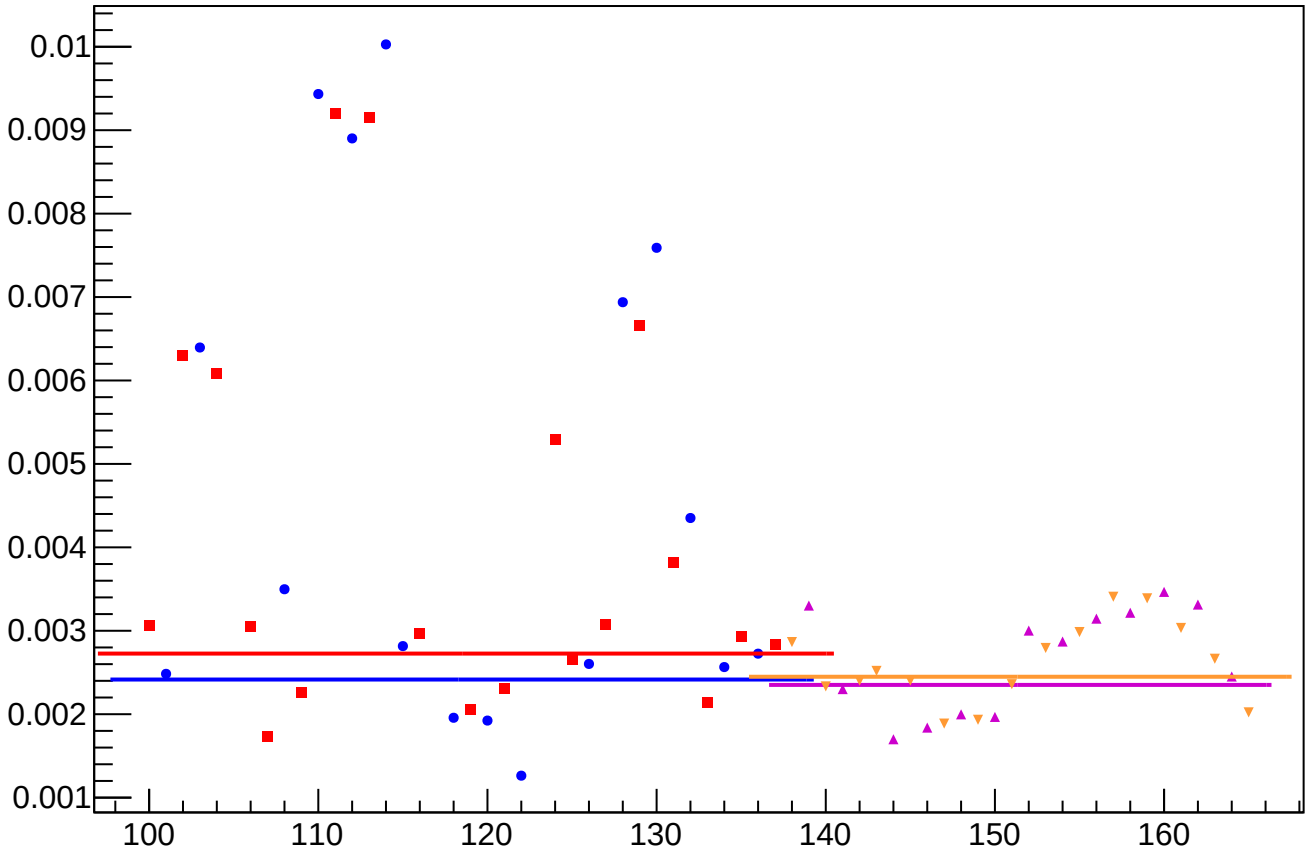
Left: 0.000+/-0.000 χ^2/NDF: 31.6/27

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:22.3/28

Out: 0.000+/-0.000 χ^2/NDF:40.8/33

All: 0.000+/-0.000 χ^2/NDF: 63.3/62



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:773423.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1306493.2/12

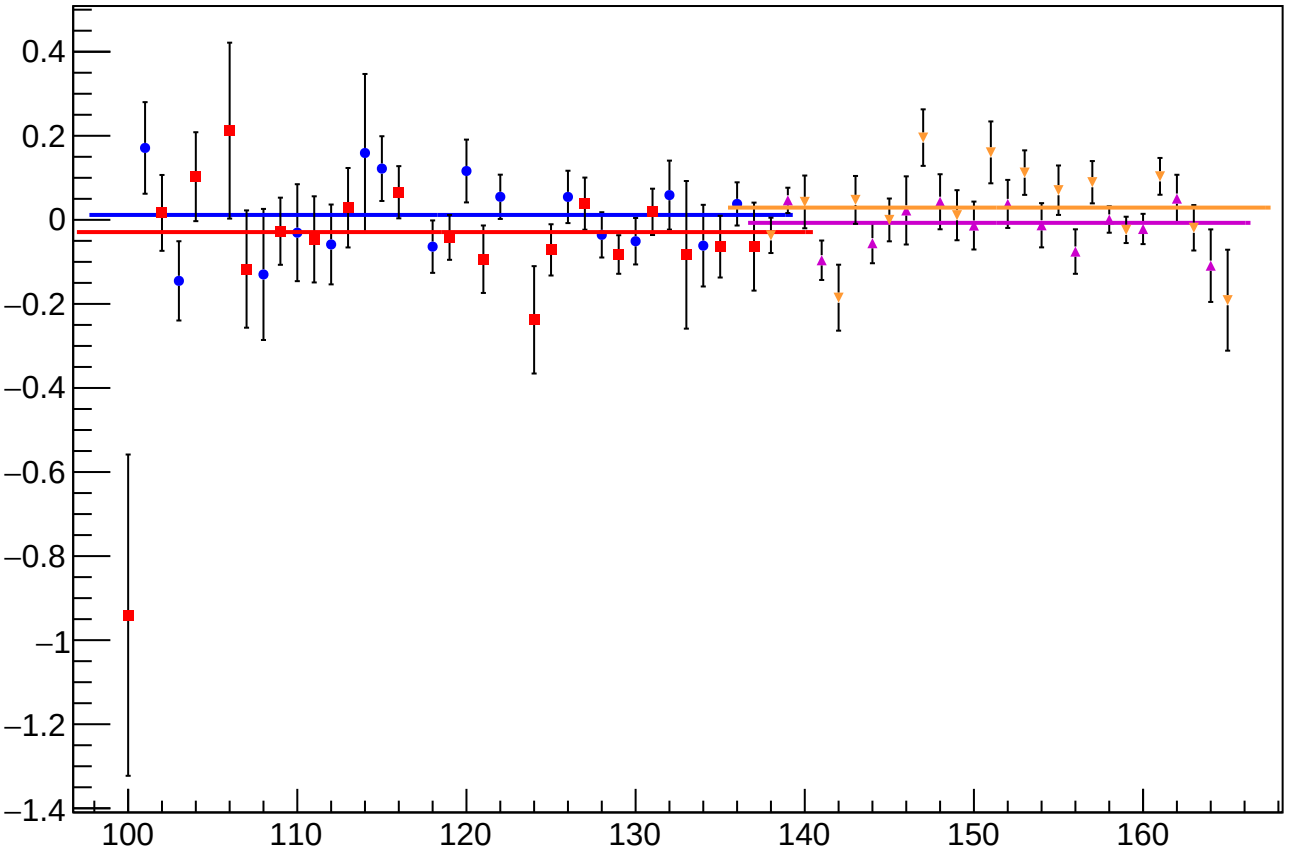
Left: 0.002+/-0.000 χ^2/NDF: 2097714.9/27

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4743697.4/28

Out: 0.003+/-0.000 χ^2/NDF:3364715.2/33

All: 0.002+/-0.000 χ^2/NDF: 8176684.3/62



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

Left: 0.010+/-0.009 χ^2/NDF: 51.3/27

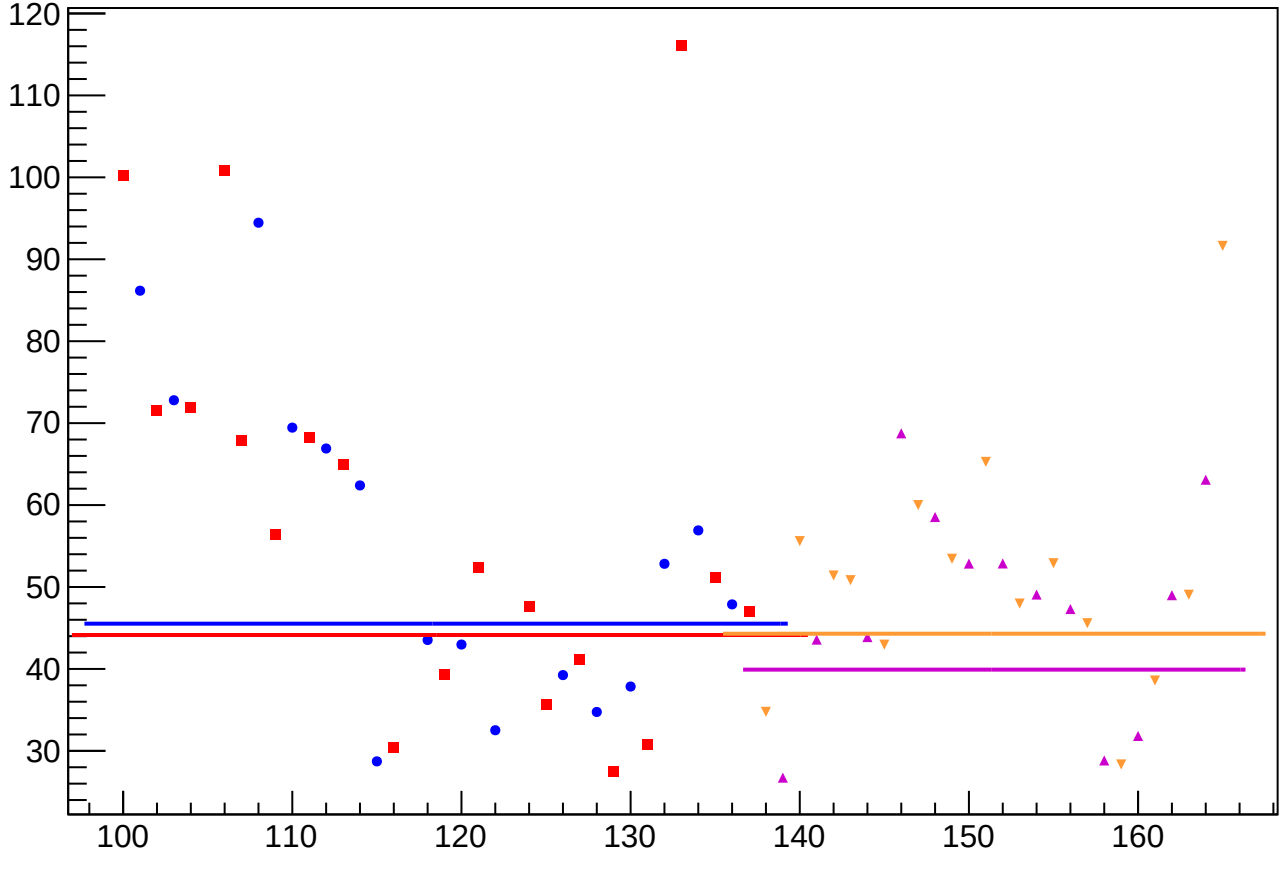
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/62

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.300+/-0.010 χ^2/NDF:1463861.2/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

Left: 41.995+/-0.007 χ^2/NDF: 3246724.3/27

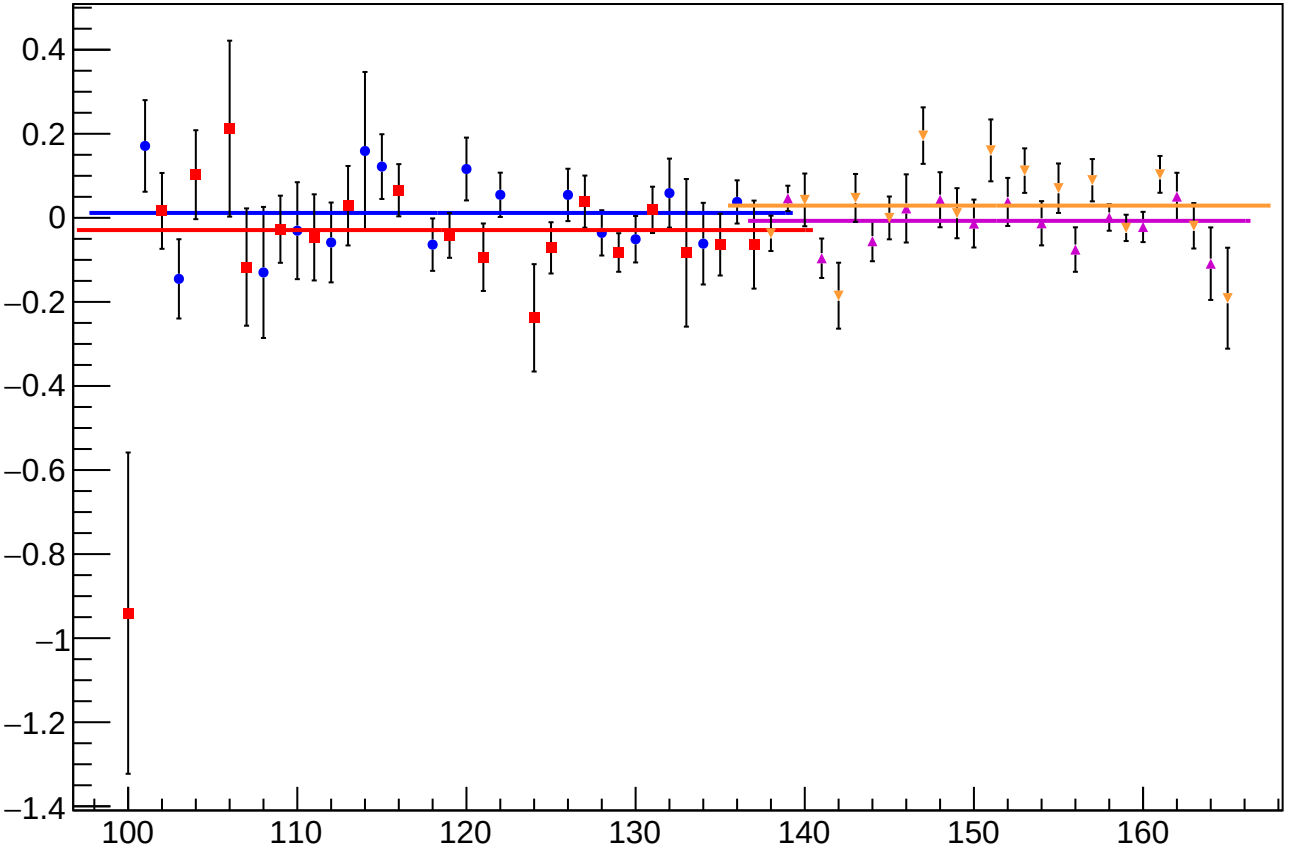
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.790+/-0.007 χ^2/NDF:3053388.7/28

Out: 44.241+/-0.008 χ^2/NDF:3207311.1/33

All: 42.985+/-0.005 χ^2/NDF: 6312954.7/62

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: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

Left: 0.010+/-0.009 χ^2/NDF: 51.3/27

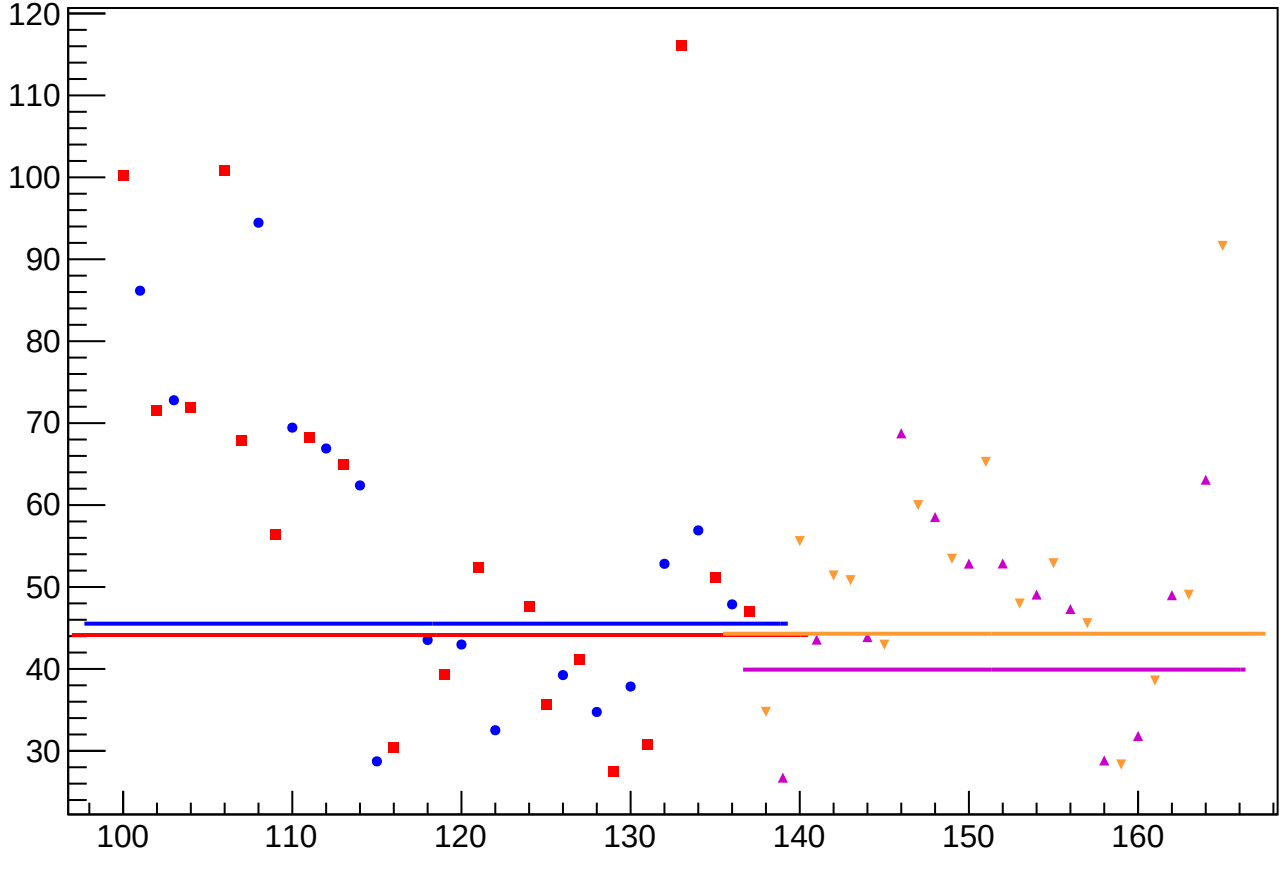
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/62

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: 44.300+/-0.010 χ^2/NDF:1463861.2/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

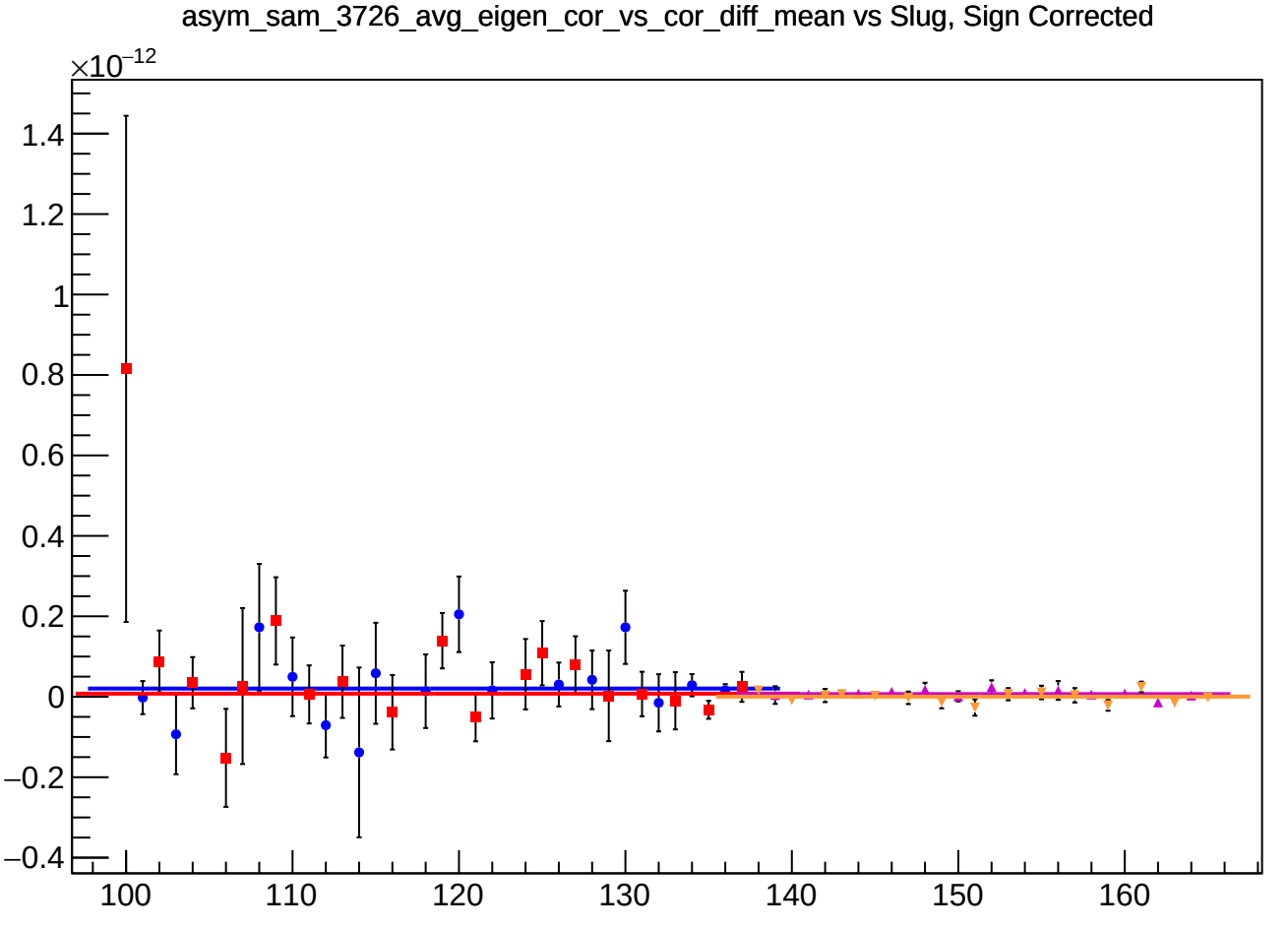
Left: 41.995+/-0.007 χ^2/NDF: 3246724.3/27

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.790+/-0.007 χ^2/NDF:3053388.7/28

Out: 44.241+/-0.008 χ^2/NDF:3207311.1/33

All: 42.985+/-0.005 χ^2/NDF: 6312954.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/12

Left: 0.000+/-0.000 χ^2/NDF: 20.7/27

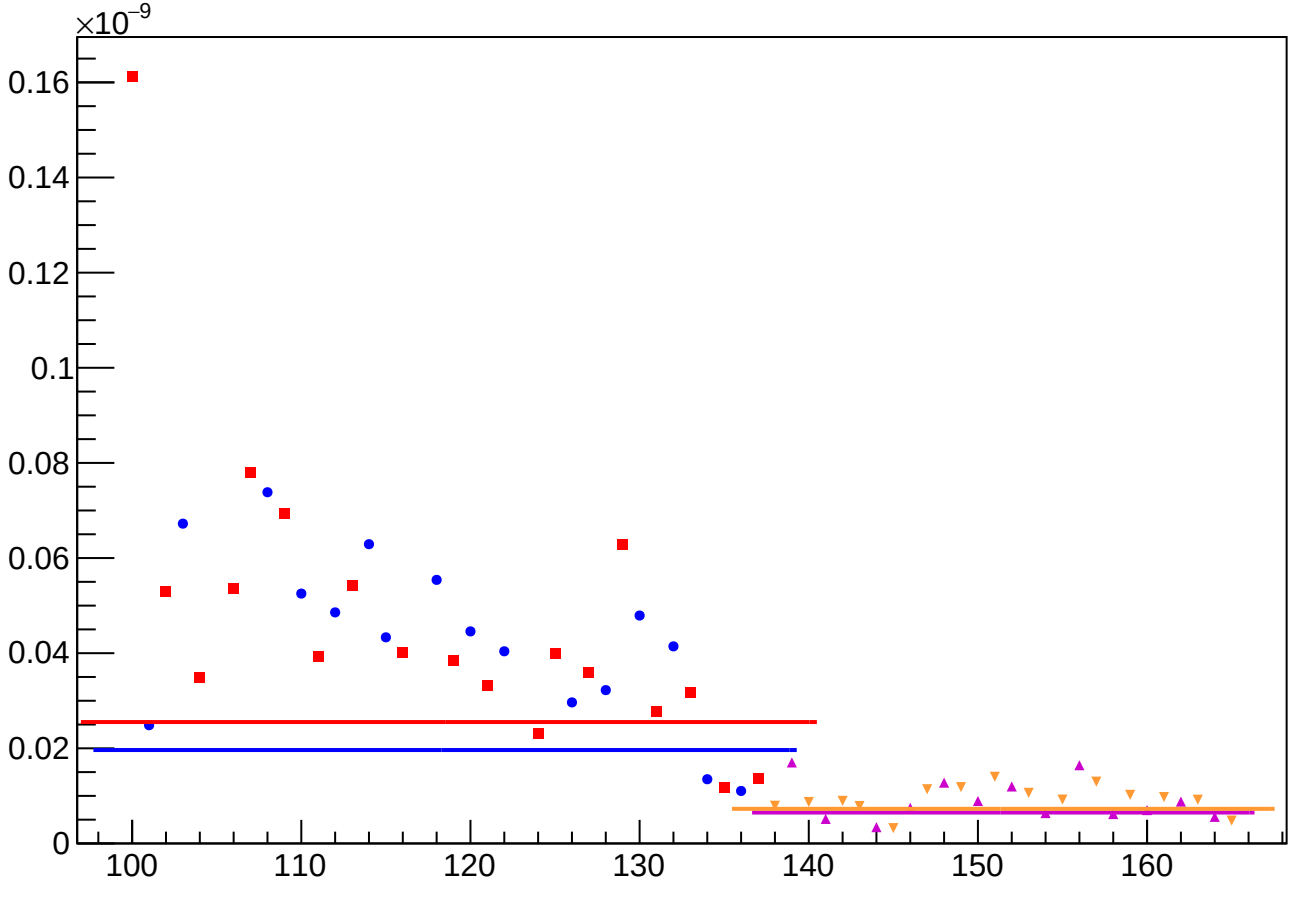
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:32.3/33

All: 0.000+/-0.000 χ^2/NDF: 53.5/62

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2337693.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2097867.0/12

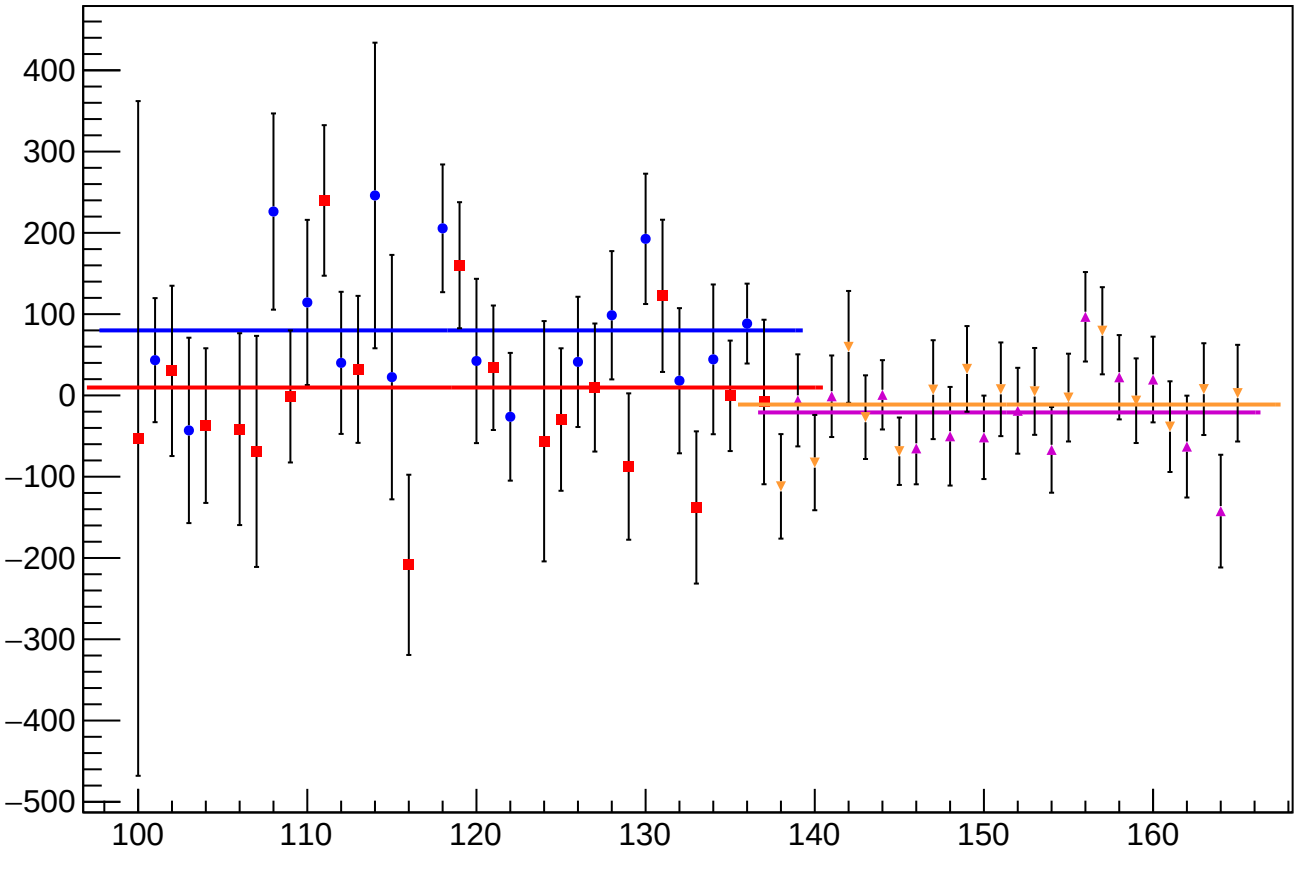
Left: 0.000+/-0.000 χ^2/NDF: 4503840.4/27

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7921903.9/28

Out: 0.000+/-0.000 χ^2/NDF:8426238.6/33

All: 0.000+/-0.000 χ^2/NDF: 16416895.9/62



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.208+/-14.197 χ^2/NDF:11.3/14

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -20.932+/-14.643 χ^2/NDF:12.2/12

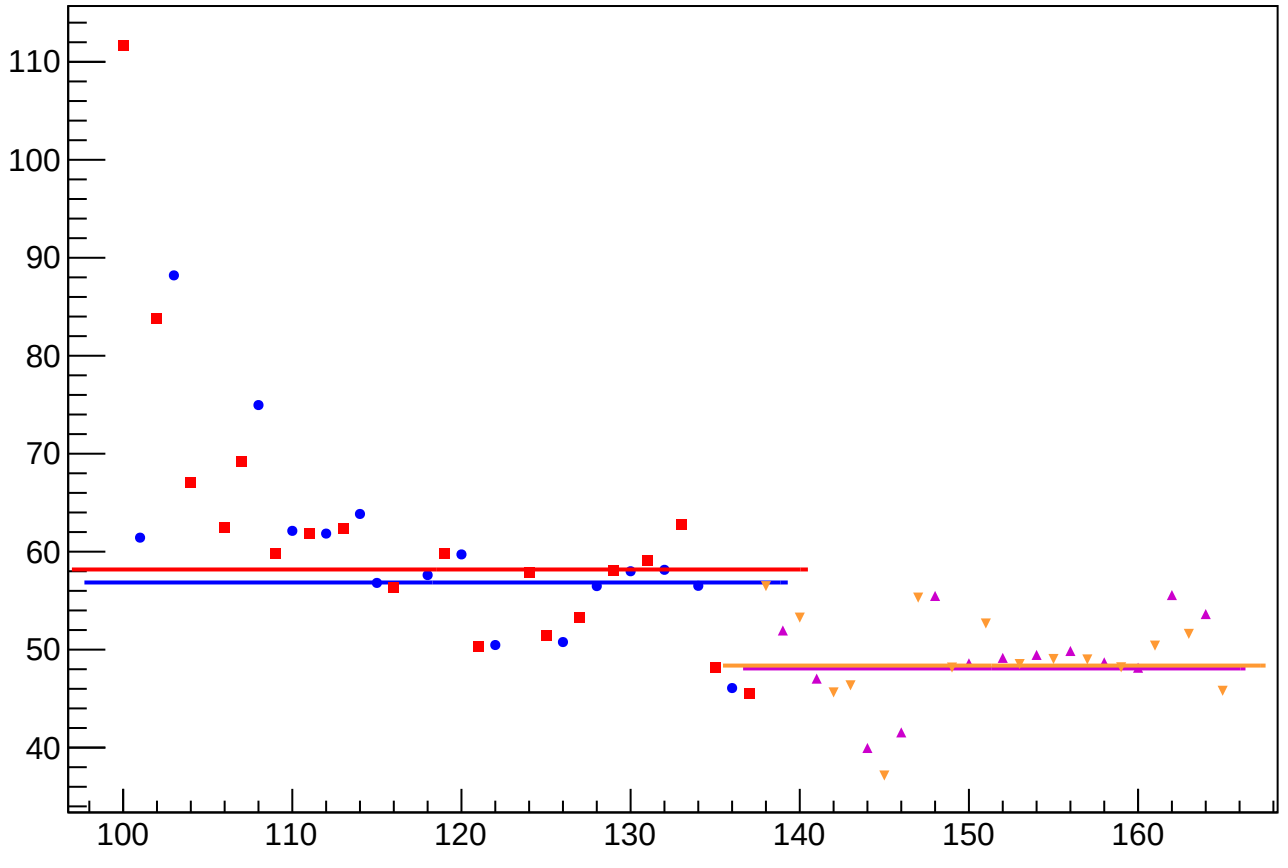
Left: -15.920+/-10.193 χ^2/NDF: 23.7/27

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 11.101+/-12.098 χ^2/NDF:38.8/28

Out: -4.899+/-11.867 χ^2/NDF:32.3/33

All: 2.946+/-8.472 χ^2/NDF: 72.0/62



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

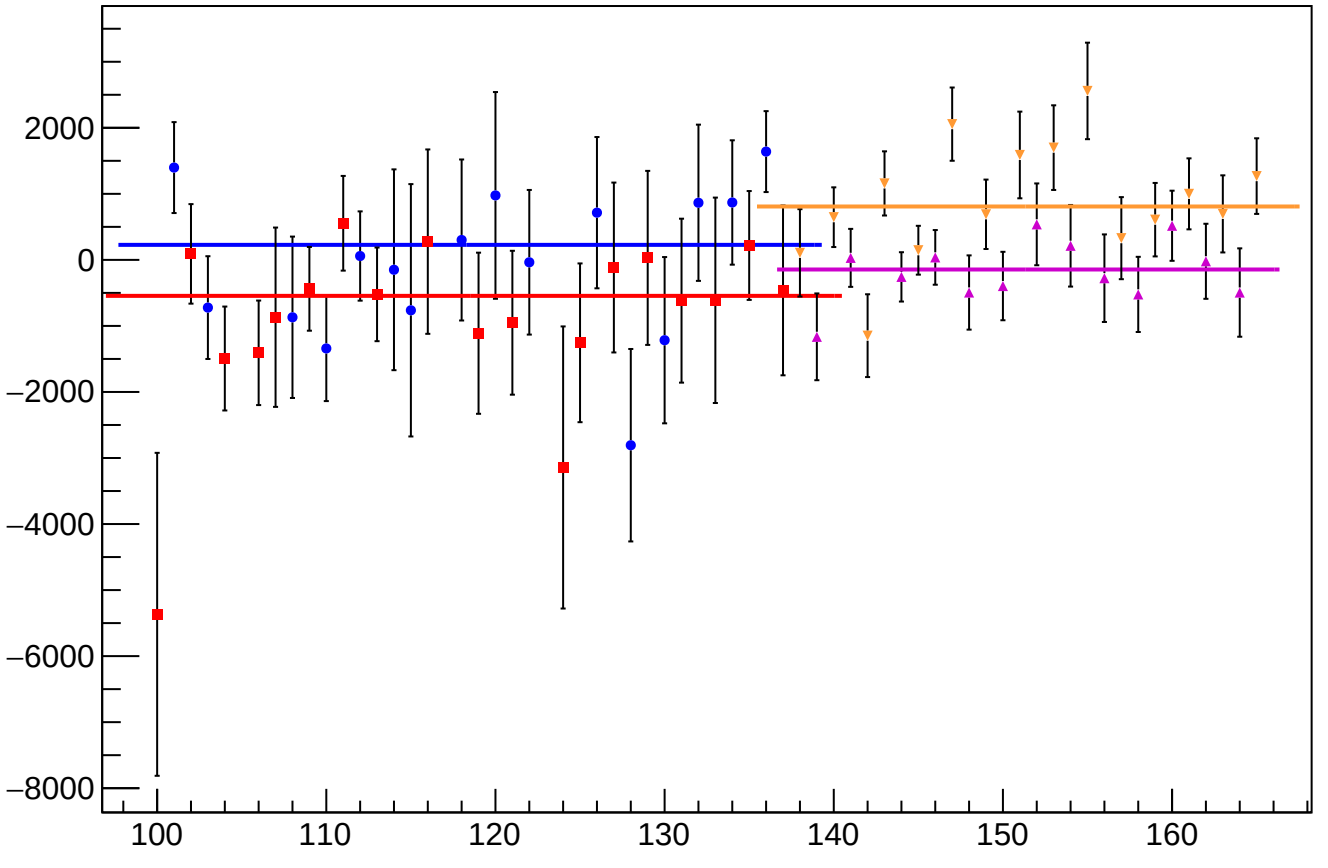
Left: 48.231+/-0.007 χ^2/NDF: 451713.2/27

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.865+/-0.009 χ^2/NDF:771791.3/28

Out: 51.328+/-0.008 χ^2/NDF:851405.7/33

All: 51.101+/-0.006 χ^2/NDF: 1624695.8/62



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 808.427+/-141.358 χ^2/NDF:30.4/14

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -145.567+/-146.069 χ^2/NDF:7.4/12

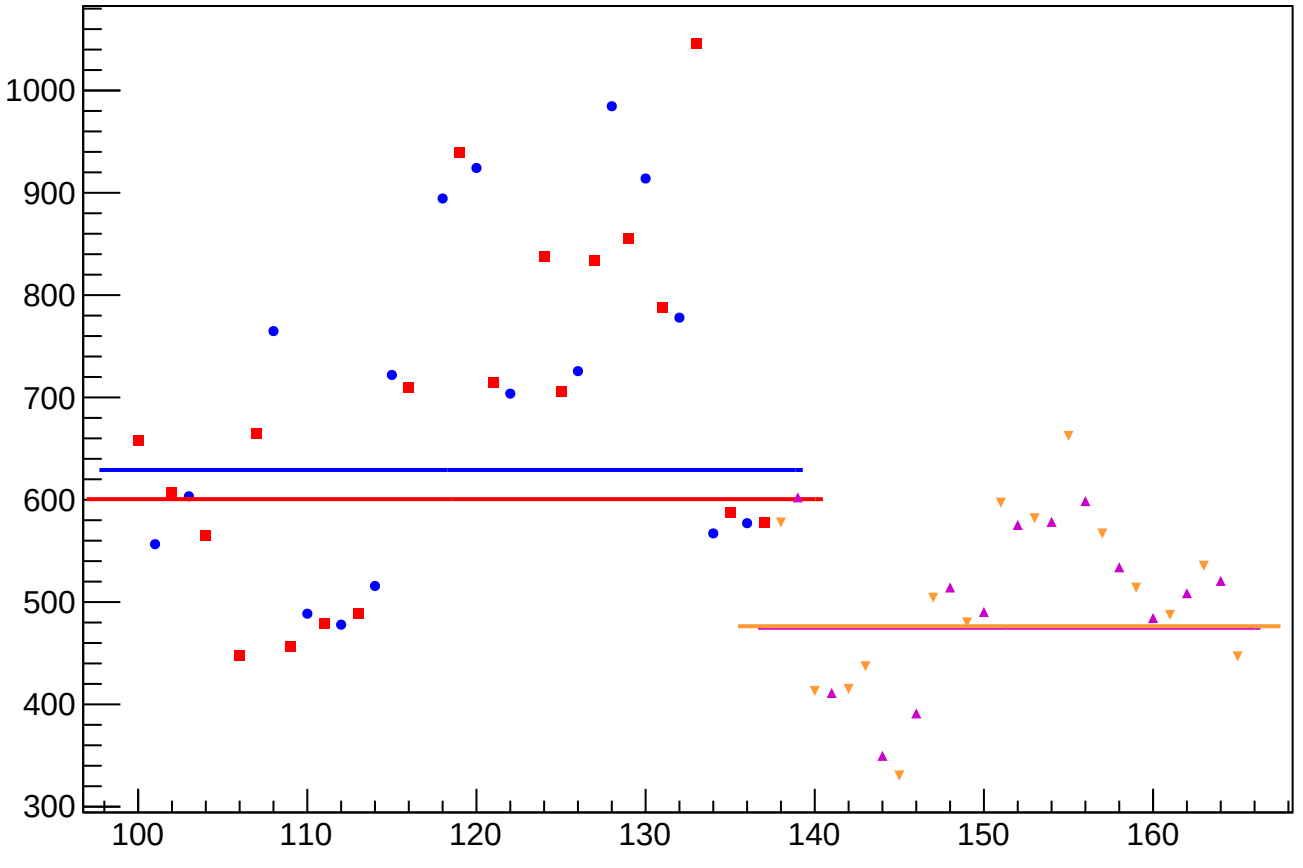
Left: 347.065+/-101.580 χ^2/NDF: 59.9/27

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -45.473+/-124.947 χ^2/NDF:30.8/28

Out: 430.892+/-120.030 χ^2/NDF:69.4/33

All: 202.268+/-86.560 χ^2/NDF: 107.7/62



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 476.379+/-0.100 χ^2/NDF:764684.1/14

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 474.872+/-0.103 χ^2/NDF:652757.7/12

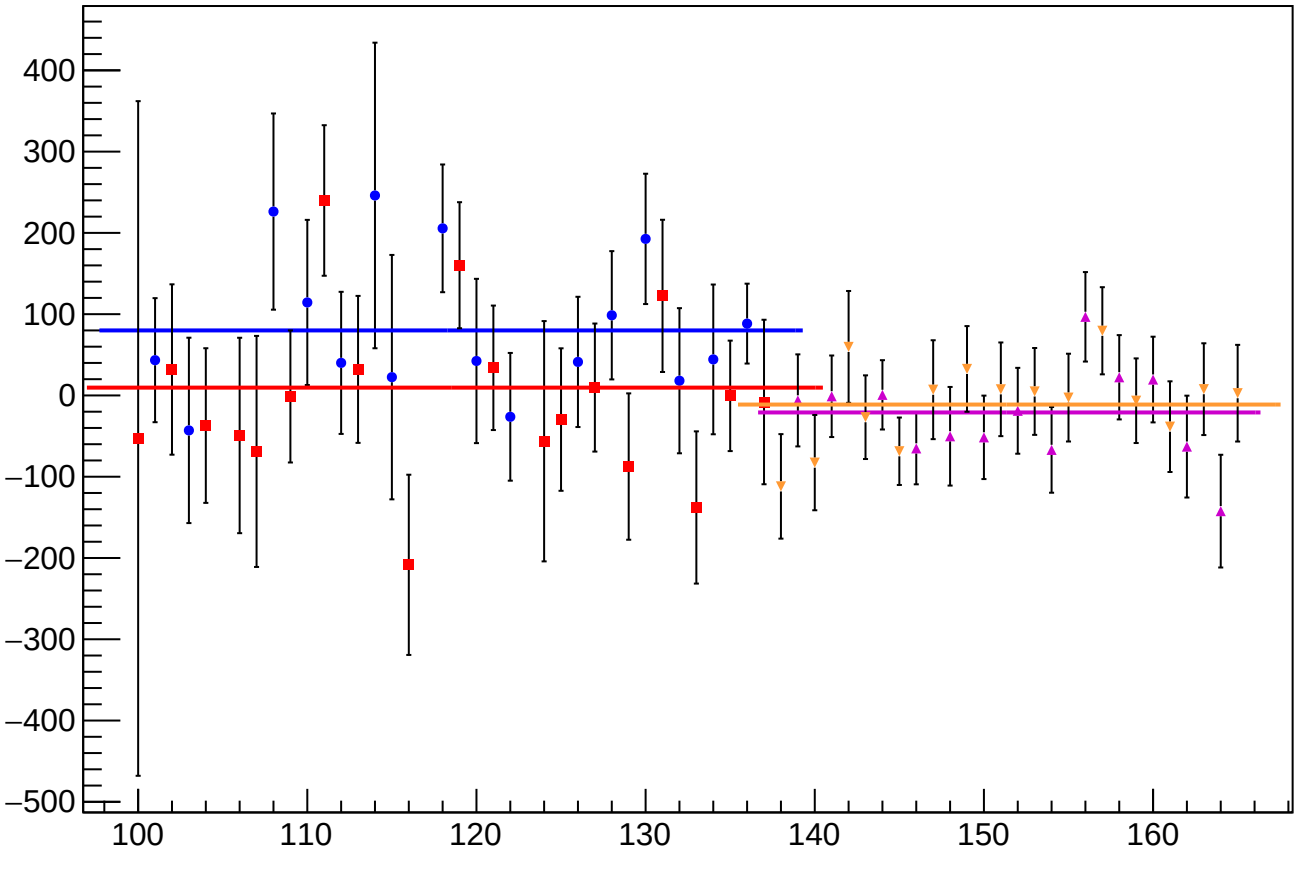
Left: 475.650+/-0.072 χ^2/NDF: 1417551.7/27

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 516.249+/-0.088 χ^2/NDF:1943652.3/28

Out: 511.034+/-0.085 χ^2/NDF:2070151.7/33

All: 513.537+/-0.061 χ^2/NDF: 4015615.9/62



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.211+/-14.197 χ^2/NDF:11.3/14

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -20.933+/-14.643 χ^2/NDF:12.2/12

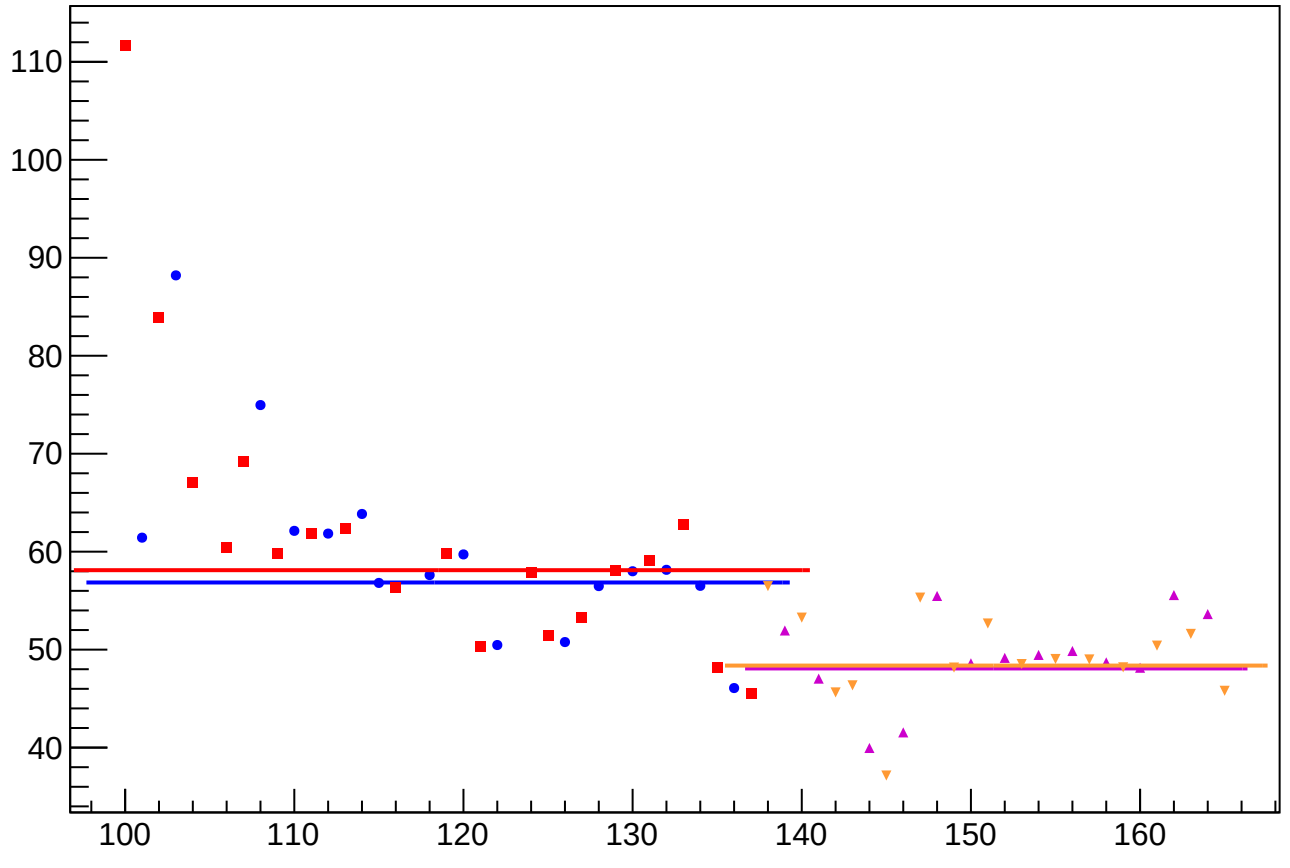
Left: -15.922+/-10.193 χ^2/NDF: 23.7/27

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 11.102+/-12.098 χ^2/NDF:38.8/28

Out: -4.940+/-11.869 χ^2/NDF:32.3/33

All: 2.928+/-8.472 χ^2/NDF: 72.1/62



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

Left: 48.231+/-0.007 χ^2/NDF: 451713.2/27

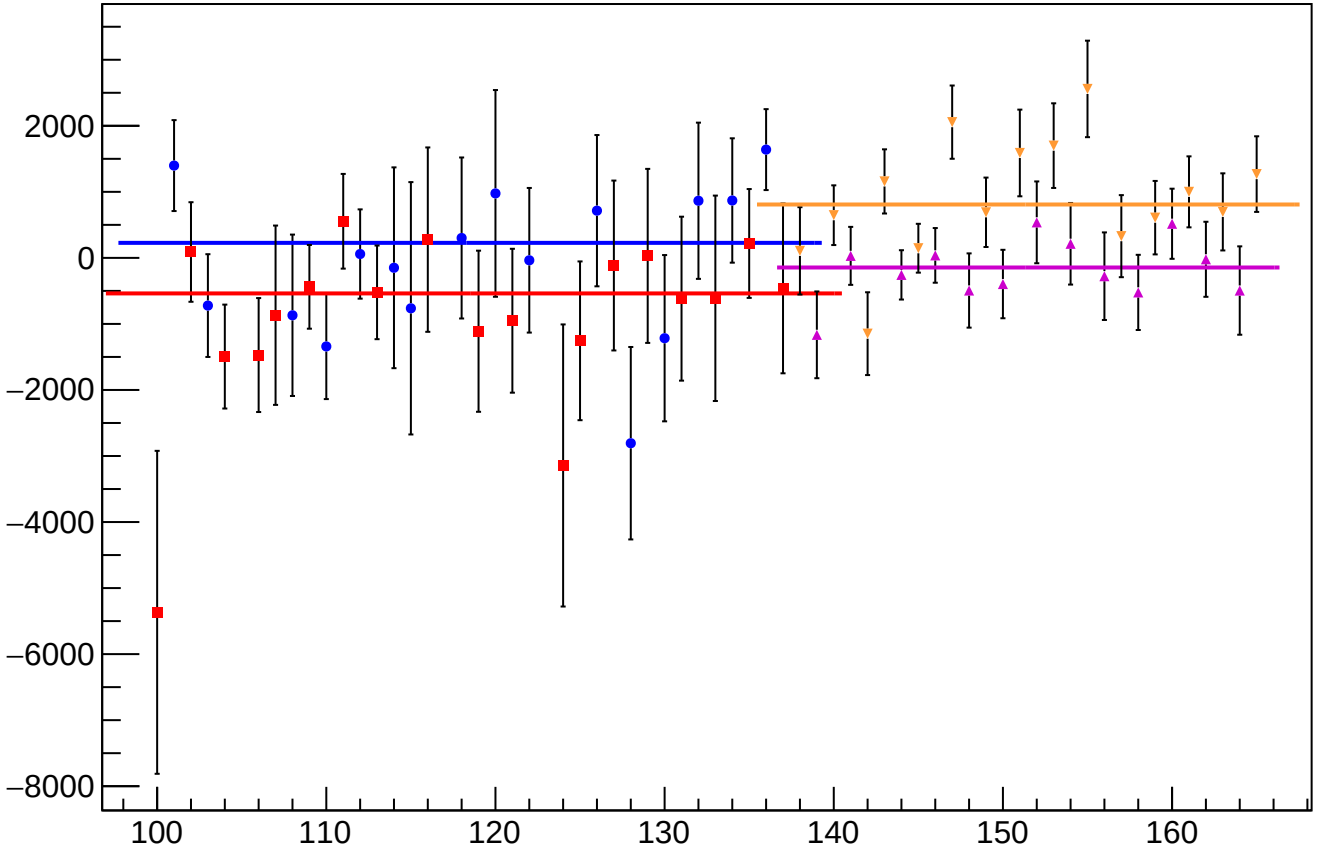
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.865+/-0.009 χ^2/NDF:771795.3/28

Out: 51.305+/-0.008 χ^2/NDF:845301.1/33

All: 51.089+/-0.006 χ^2/NDF: 1618444.6/62

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 808.426+/-141.358 χ^2/NDF:30.4/14

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -145.570+/-146.069 χ^2/NDF:7.4/12

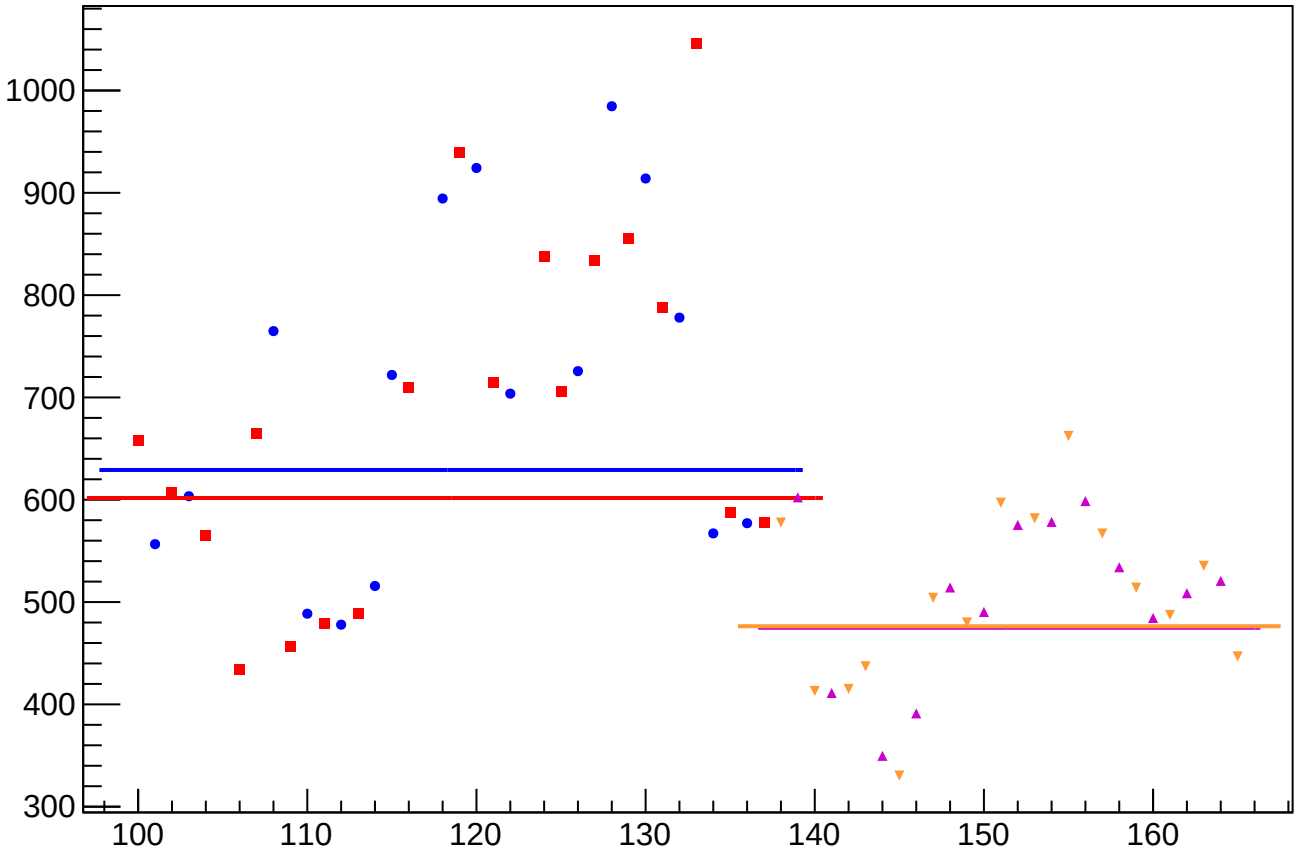
Left: 347.062+/-101.580 χ^2/NDF: 59.9/27

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -45.466+/-124.948 χ^2/NDF:30.8/28

Out: 436.328+/-120.251 χ^2/NDF:68.9/33

All: 204.657+/-86.643 χ^2/NDF: 107.3/62



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 476.379+/-0.100 χ^2/NDF:764685.4/14

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

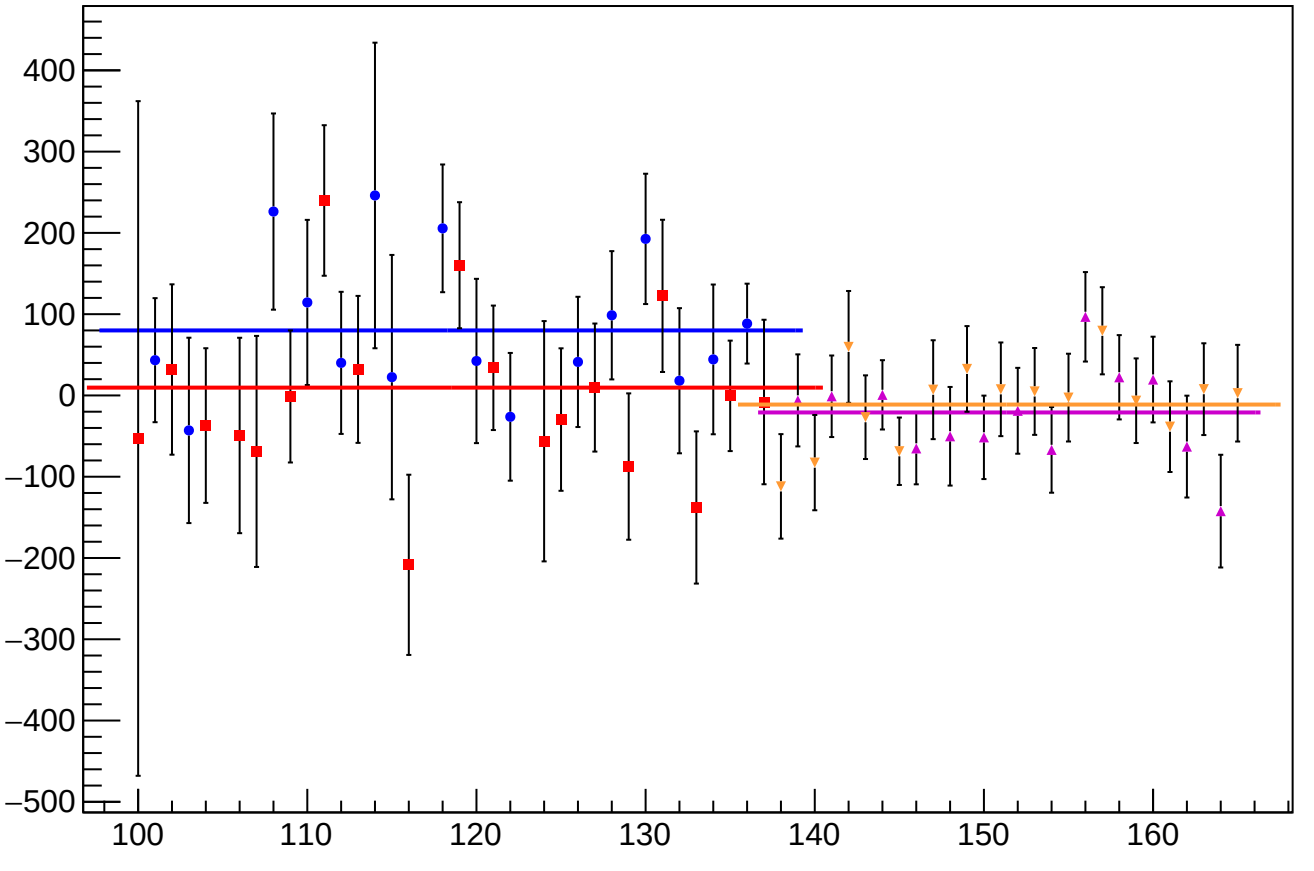
Left: 475.650+/-0.072 χ^2/NDF: 1417551.4/27

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.250+/-0.088 χ^2/NDF:1943672.1/28

Out: 511.015+/-0.085 χ^2/NDF:2073257.0/33

All: 513.533+/-0.061 χ^2/NDF: 4018751.6/62



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.211+/-14.197 χ^2/NDF:11.3/14

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -20.933+/-14.643 χ^2/NDF:12.2/12

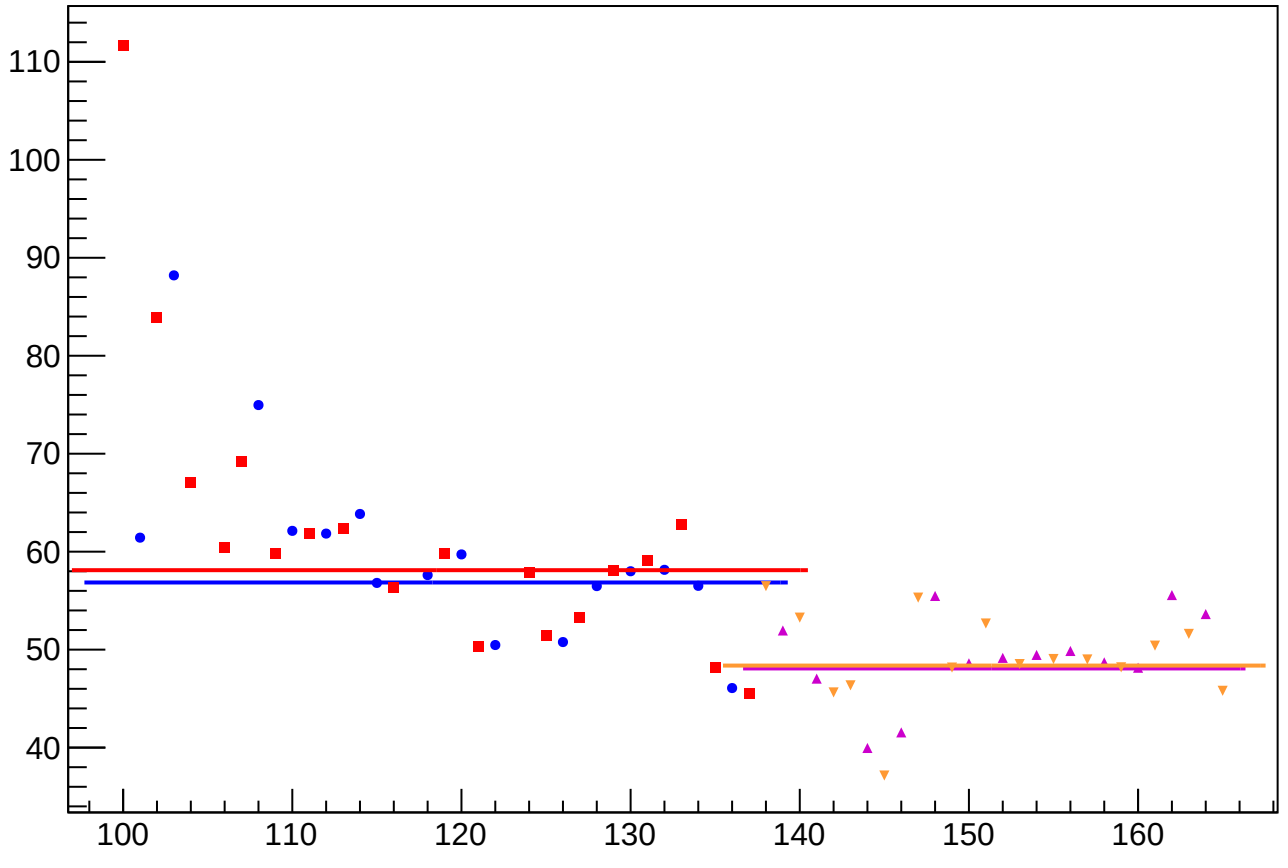
Left: -15.922+/-10.193 χ^2/NDF: 23.7/27

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 11.102+/-12.098 χ^2/NDF:38.8/28

Out: -4.940+/-11.869 χ^2/NDF:32.3/33

All: 2.928+/-8.472 χ^2/NDF: 72.1/62



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

Left: 48.231+/-0.007 χ^2/NDF: 451713.2/27

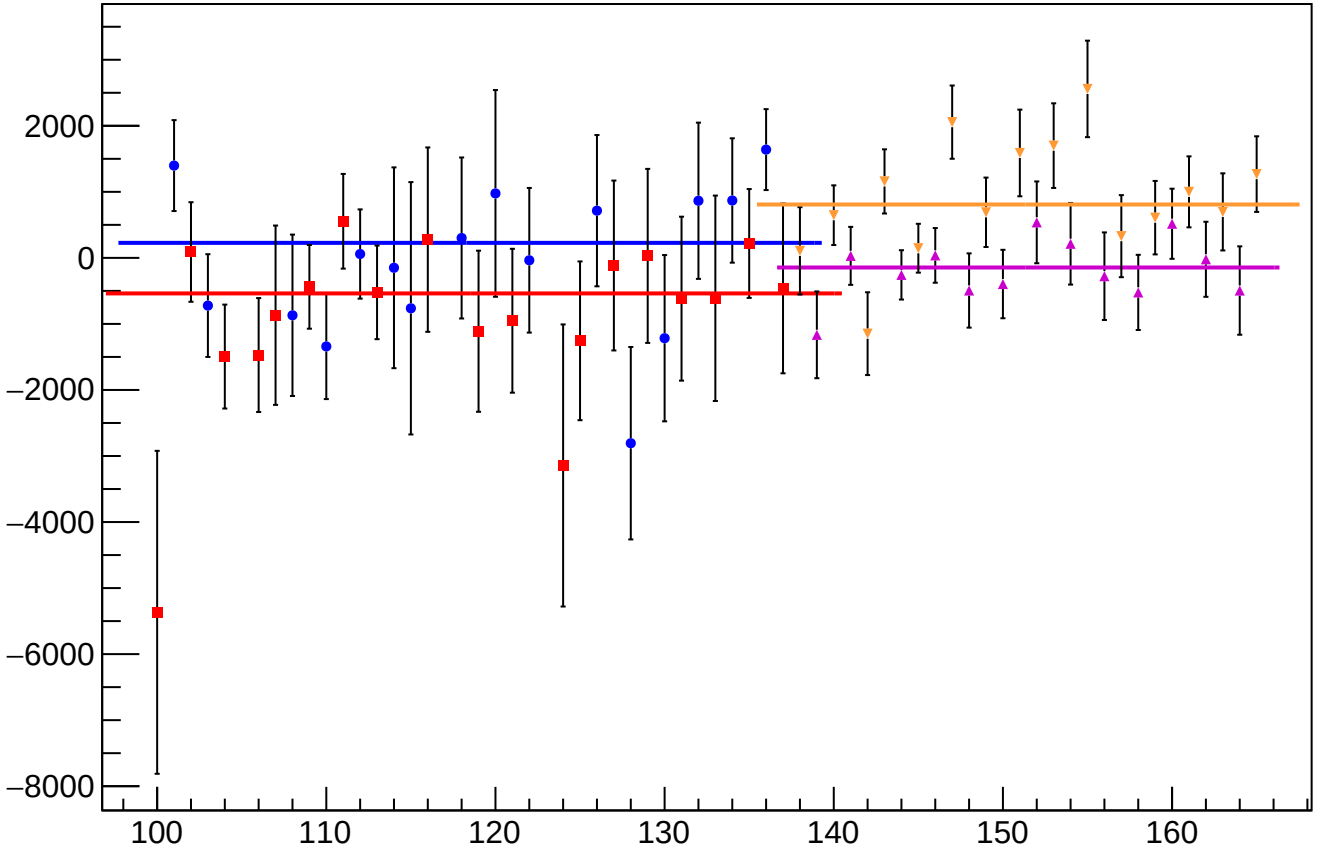
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.865+/-0.009 χ^2/NDF:771795.3/28

Out: 51.305+/-0.008 χ^2/NDF:845301.1/33

All: 51.089+/-0.006 χ^2/NDF: 1618444.6/62

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 808.426+/-141.358 χ^2/NDF:30.4/14

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -145.570+/-146.069 χ^2/NDF:7.4/12

Left: 347.062+/-101.580 χ^2/NDF: 59.9/27

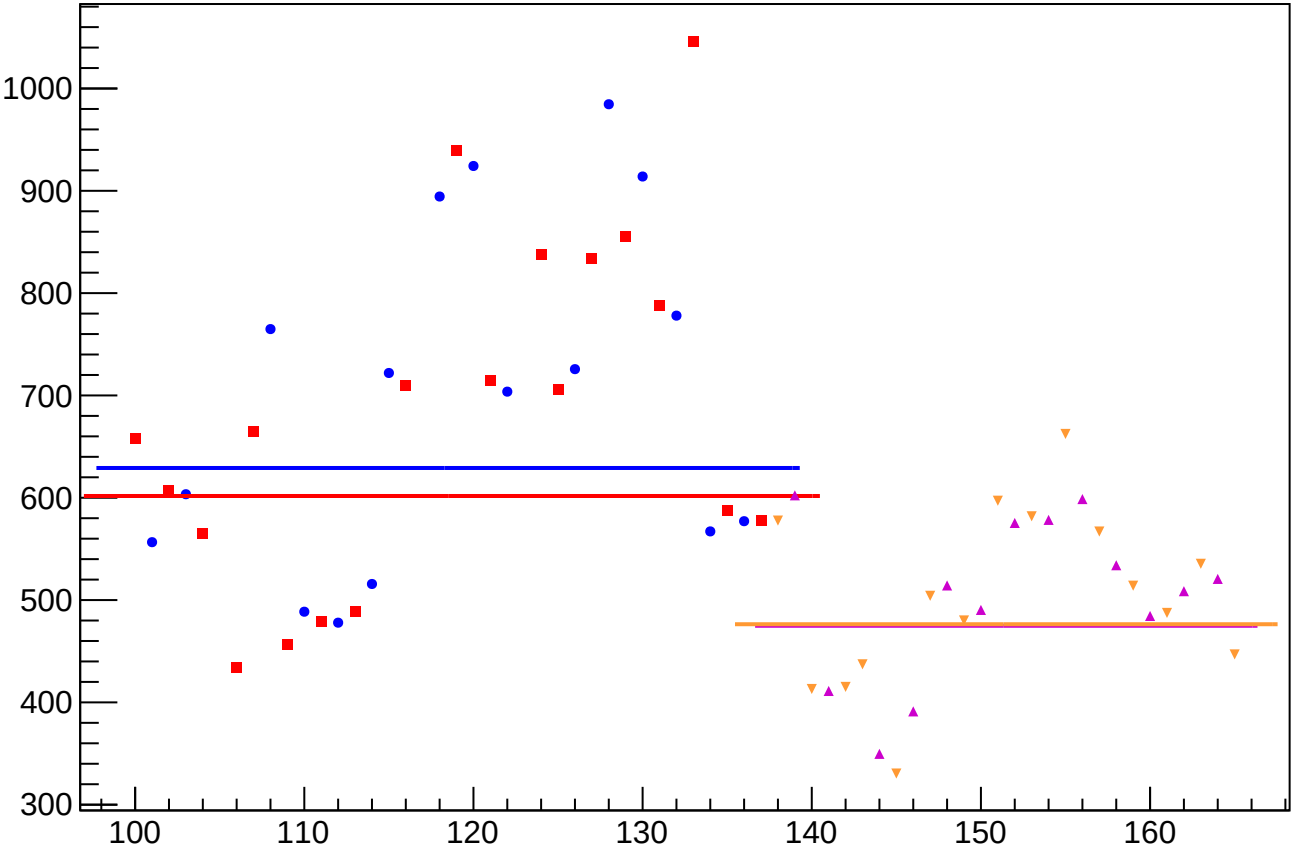
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -45.466+/-124.948 χ^2/NDF:30.8/28

Out: 436.328+/-120.251 χ^2/NDF:68.9/33

All: 204.657+/-86.643 χ^2/NDF: 107.3/62

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 476.379+/-0.100 χ^2/NDF:764685.4/14

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

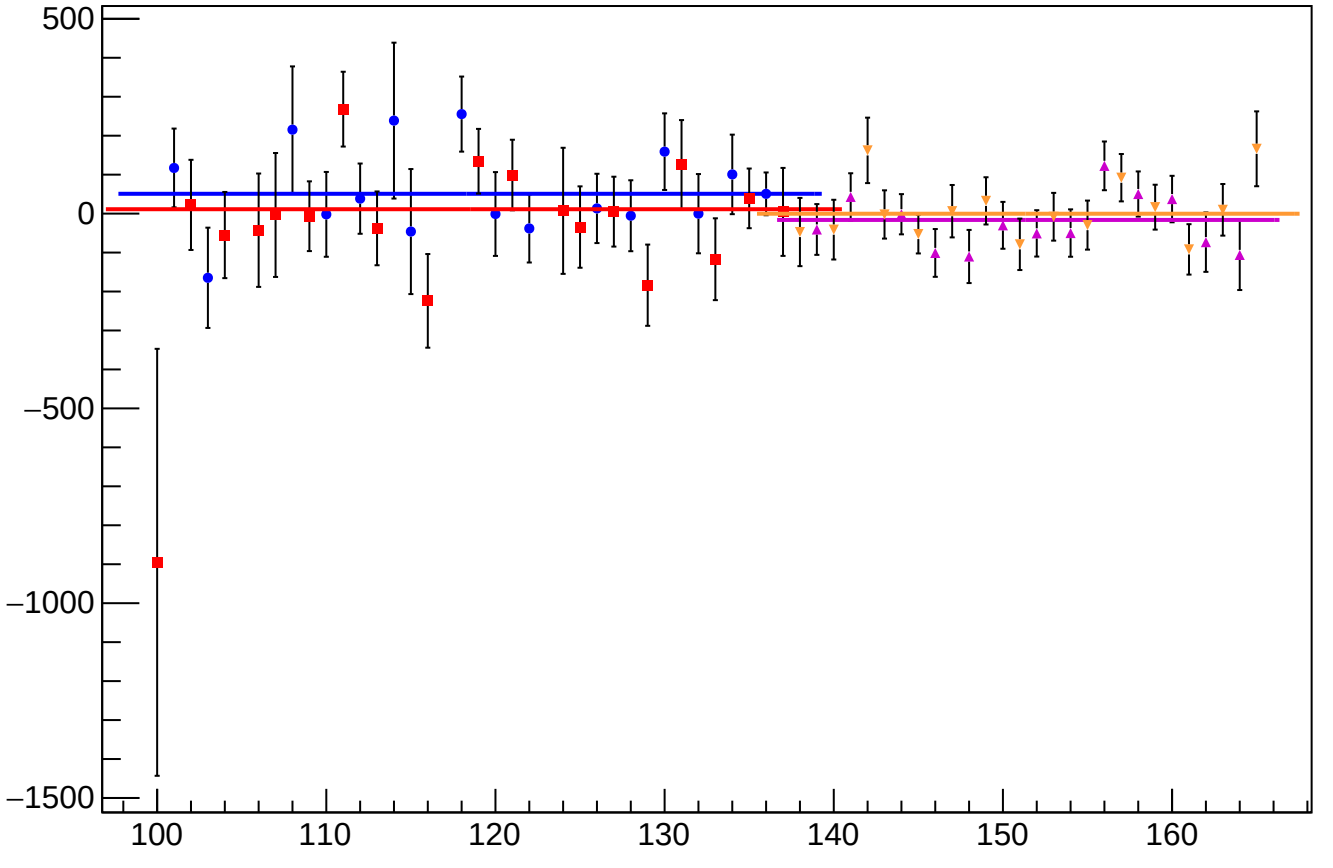
Left: 475.650+/-0.072 χ^2/NDF: 1417551.4/27

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.250+/-0.088 χ^2/NDF:1943672.1/28

Out: 511.015+/-0.085 χ^2/NDF:2073257.0/33

All: 513.533+/-0.061 χ^2/NDF: 4018751.6/62



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -0.323+/-16.916 χ^2/NDF:14.8/14

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -16.267+/-17.350 χ^2/NDF:14.3/12

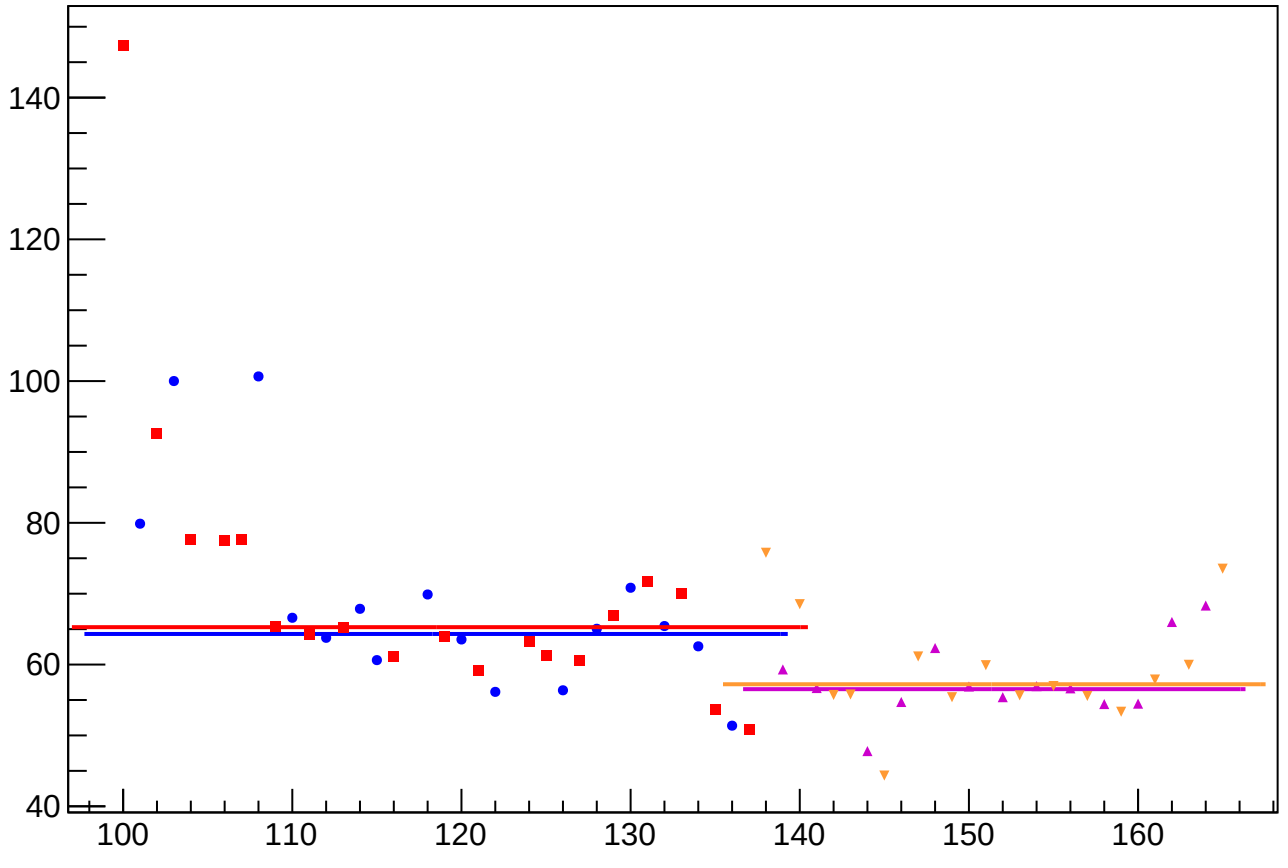
Left: -8.093+/-12.112 χ^2/NDF: 29.5/27

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 6.164+/-14.158 χ^2/NDF:33.1/28

Out: 3.453+/-13.888 χ^2/NDF:39.0/33

All: 4.782+/-9.914 χ^2/NDF: 72.1/62



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.221+/-0.012 χ^2/NDF:353834.8/14

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.529+/-0.012 χ^2/NDF:148284.5/12

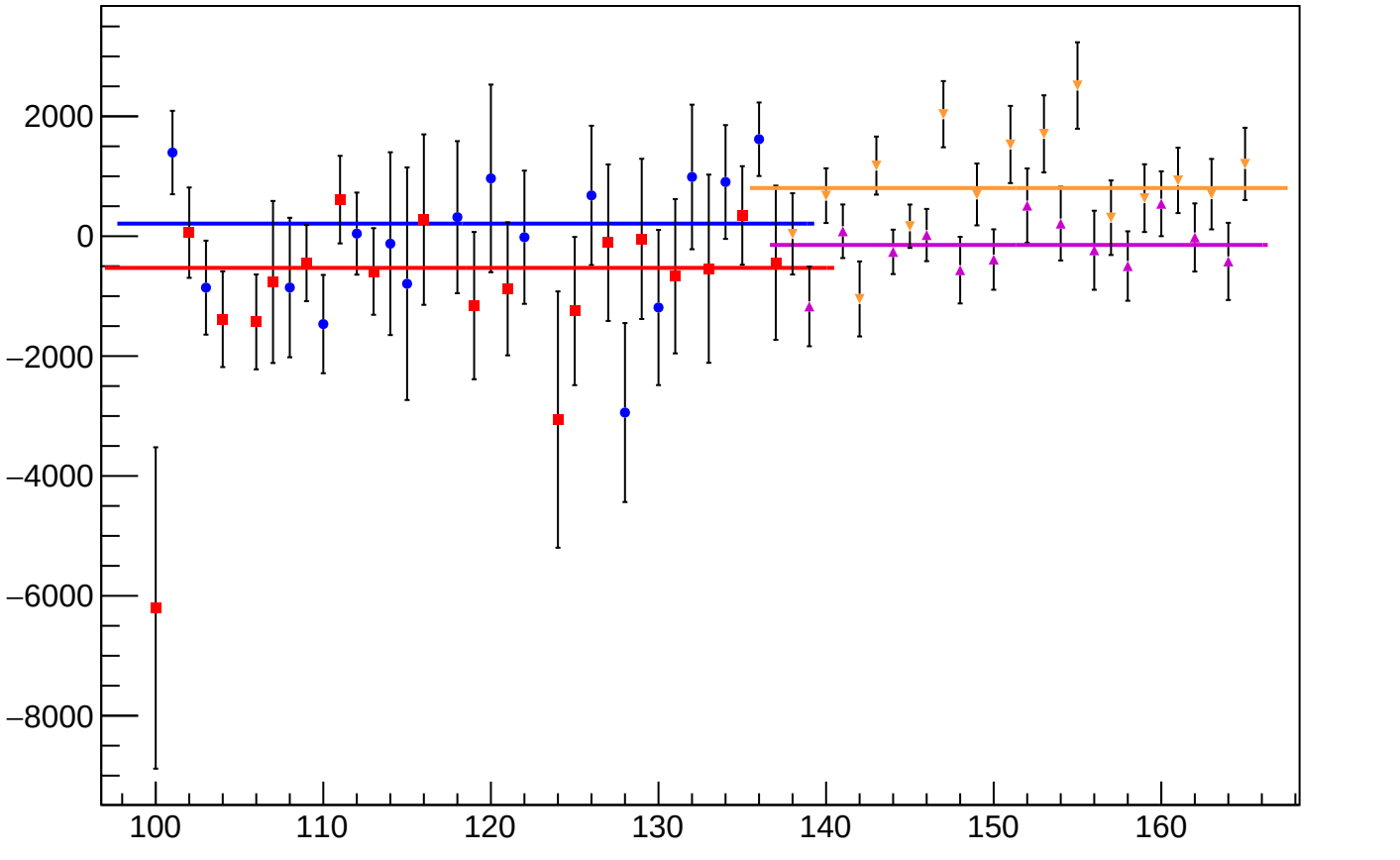
Left: 56.884+/-0.009 χ^2/NDF: 503752.2/27

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.131+/-0.010 χ^2/NDF:747881.4/28

Out: 59.848+/-0.010 χ^2/NDF:820833.7/33

All: 59.496+/-0.007 χ^2/NDF: 1571323.4/62



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 804.049+/-141.487 χ^2/NDF:28.9/14

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -145.854+/-146.744 χ^2/NDF:7.4/12

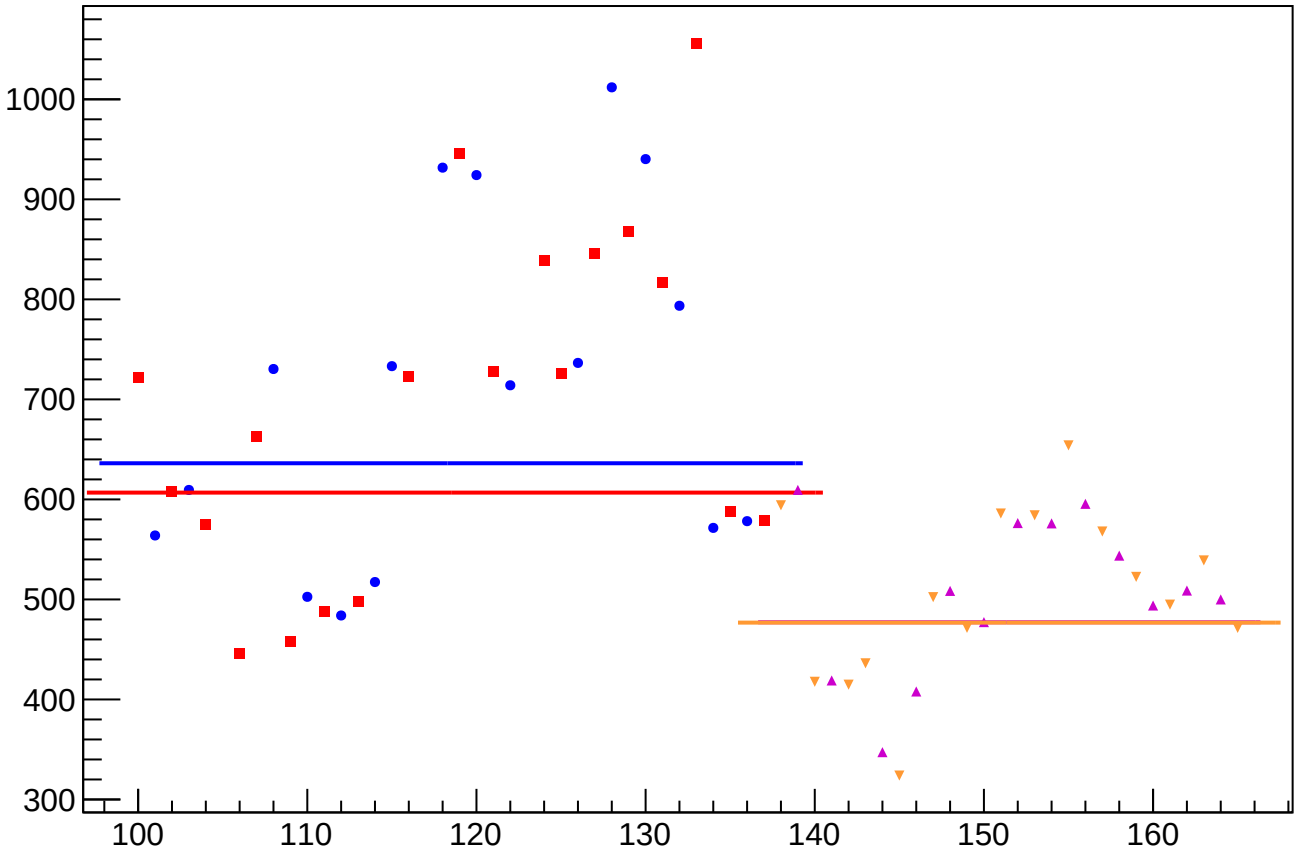
Left: 346.416+/-101.854 χ^2/NDF: 58.0/27

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -51.212+/-125.726 χ^2/NDF:31.4/28

Out: 437.430+/-120.464 χ^2/NDF:67.2/33

All: 203.547+/-86.982 χ^2/NDF: 106.4/62



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 476.821+/-0.100 χ^2/NDF:804050.1/14

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 477.181+/-0.104 χ^2/NDF:620002.7/12

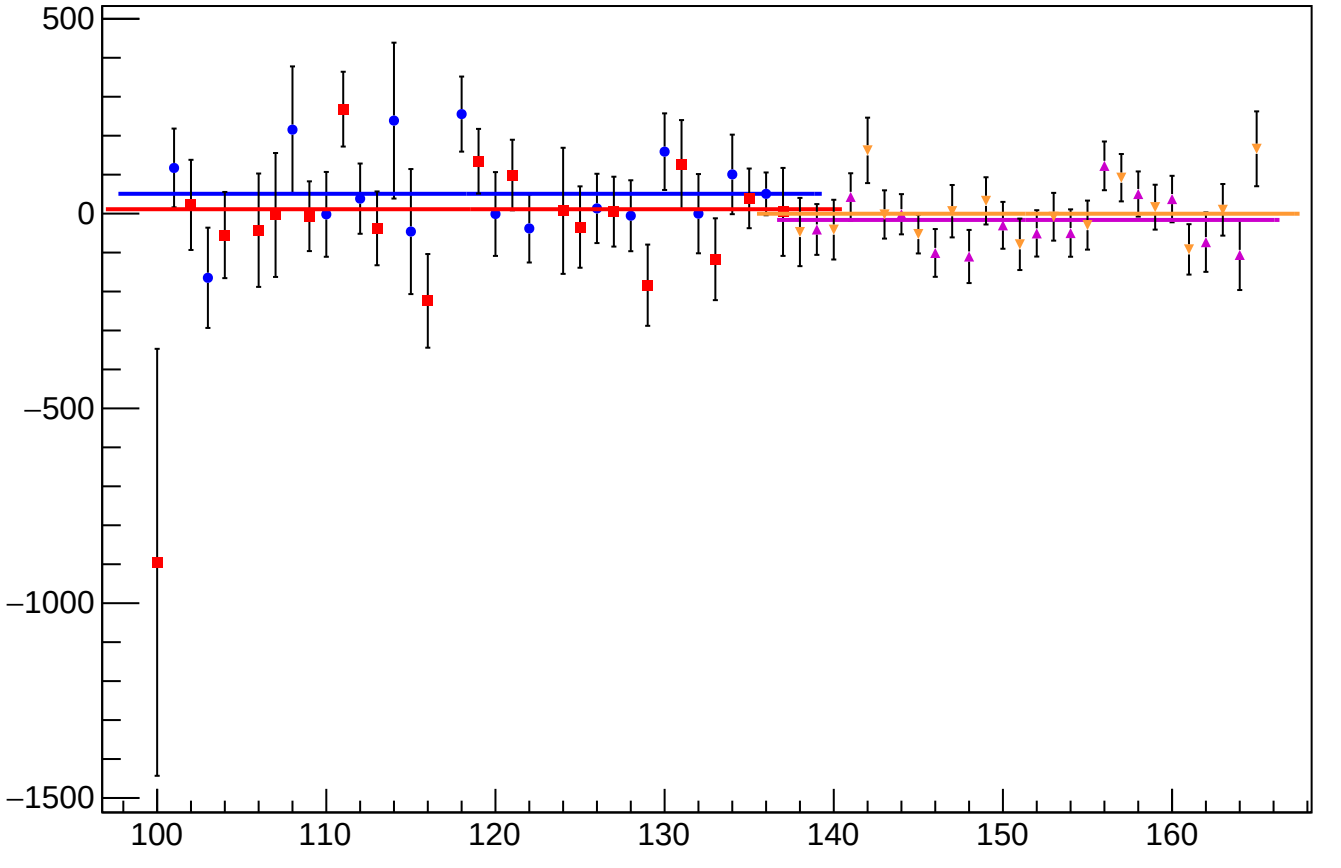
Left: 476.995+/-0.072 χ^2/NDF: 1424059.0/27

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 519.456+/-0.089 χ^2/NDF:1949394.8/28

Out: 512.578+/-0.085 χ^2/NDF:2162272.4/33

All: 515.870+/-0.062 χ^2/NDF: 4114788.6/62



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -0.324+/-16.916 χ^2/NDF:14.8/14

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -16.266+/-17.350 χ^2/NDF:14.3/12

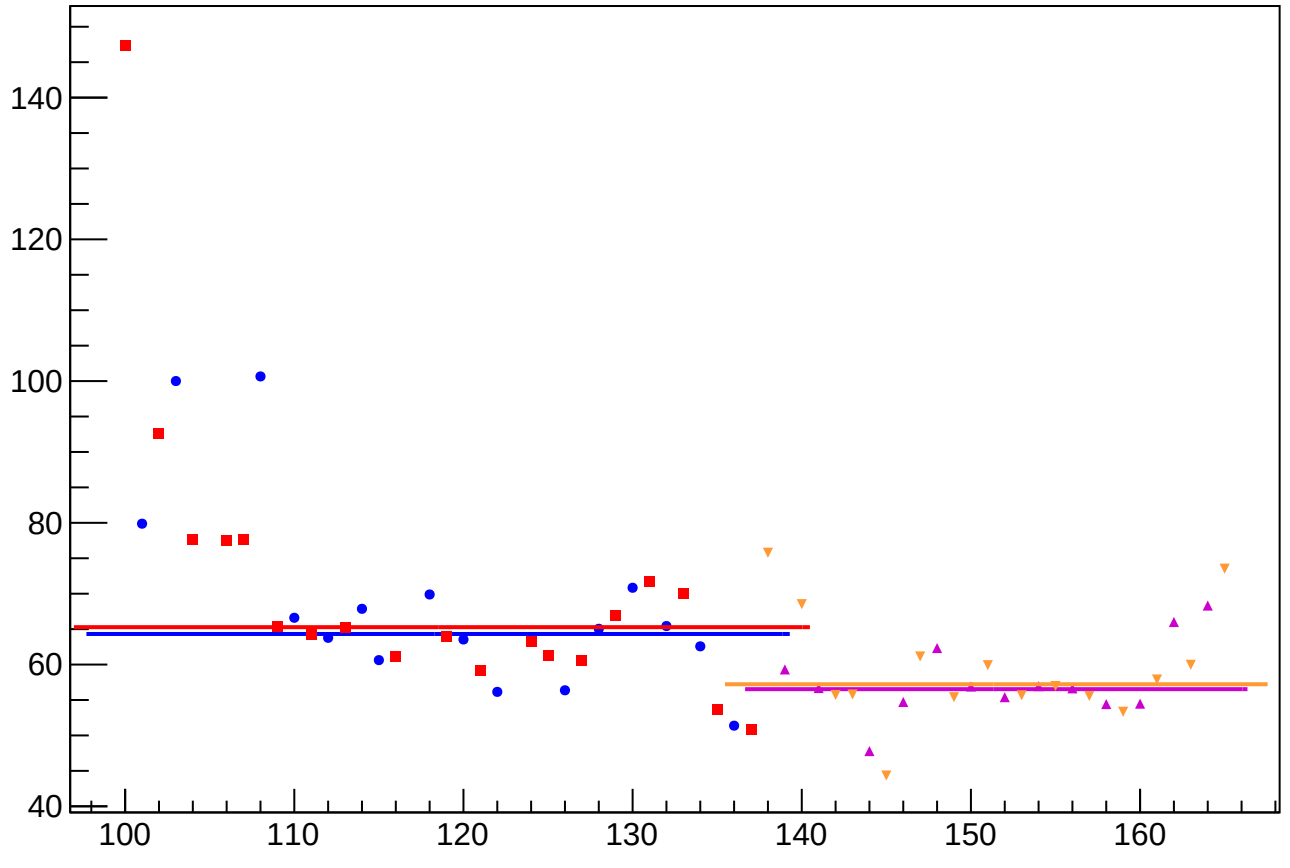
Left: -8.093+/-12.112 χ^2/NDF: 29.5/27

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 6.163+/-14.158 χ^2/NDF:33.1/28

Out: 3.453+/-13.888 χ^2/NDF:39.0/33

All: 4.782+/-9.914 χ^2/NDF: 72.1/62



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.222+/-0.012 χ^2/NDF:353822.7/14

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.529+/-0.012 χ^2/NDF:148281.7/12

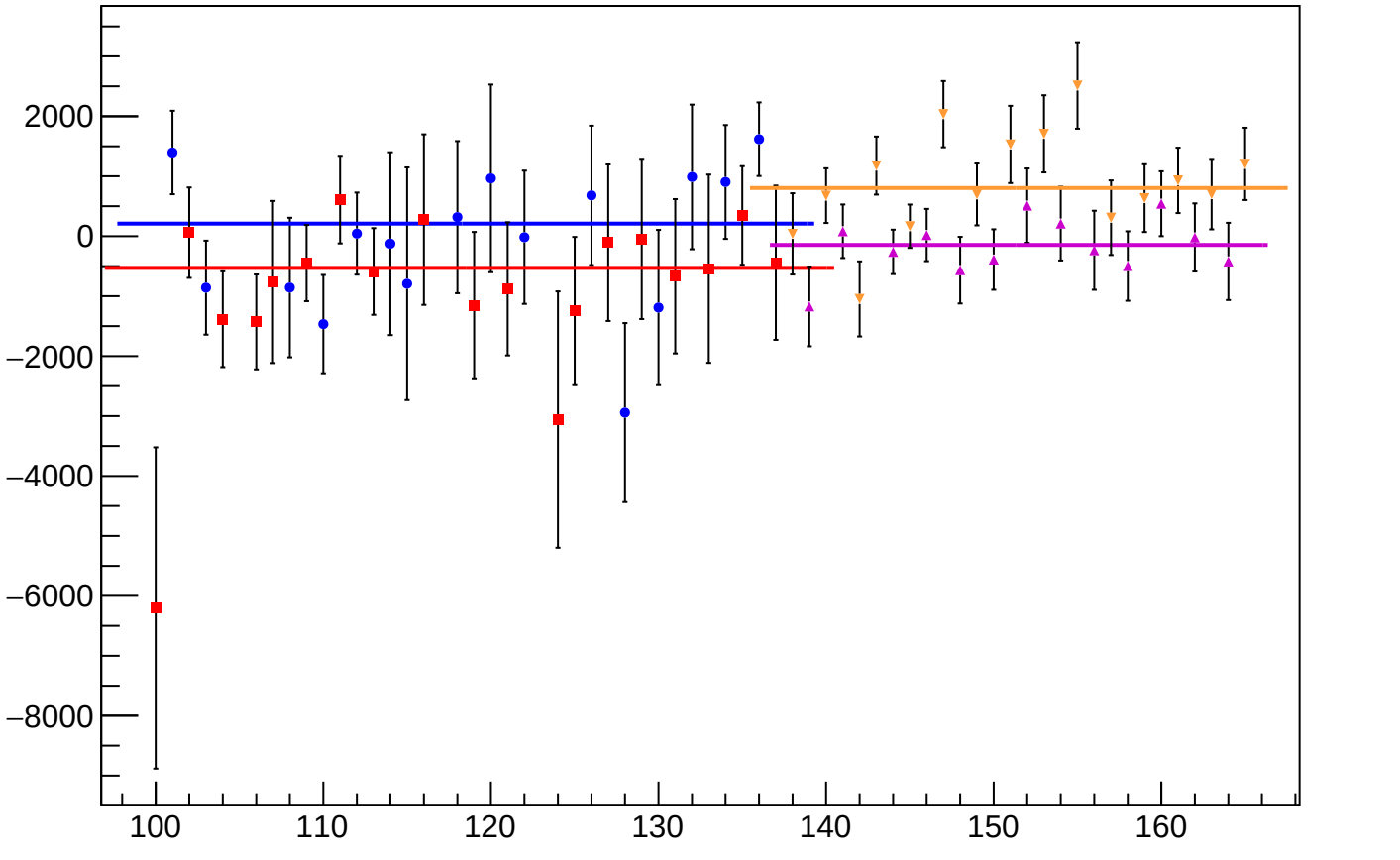
Left: 56.884+/-0.009 χ^2/NDF: 503737.4/27

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.131+/-0.010 χ^2/NDF:747870.2/28

Out: 59.848+/-0.010 χ^2/NDF:820814.1/33

All: 59.496+/-0.007 χ^2/NDF: 1571292.9/62



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 804.046+/-141.487 χ^2/NDF:28.9/14

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -145.853+/-146.743 χ^2/NDF:7.4/12

Left: 346.415+/-101.854 χ^2/NDF: 58.0/27

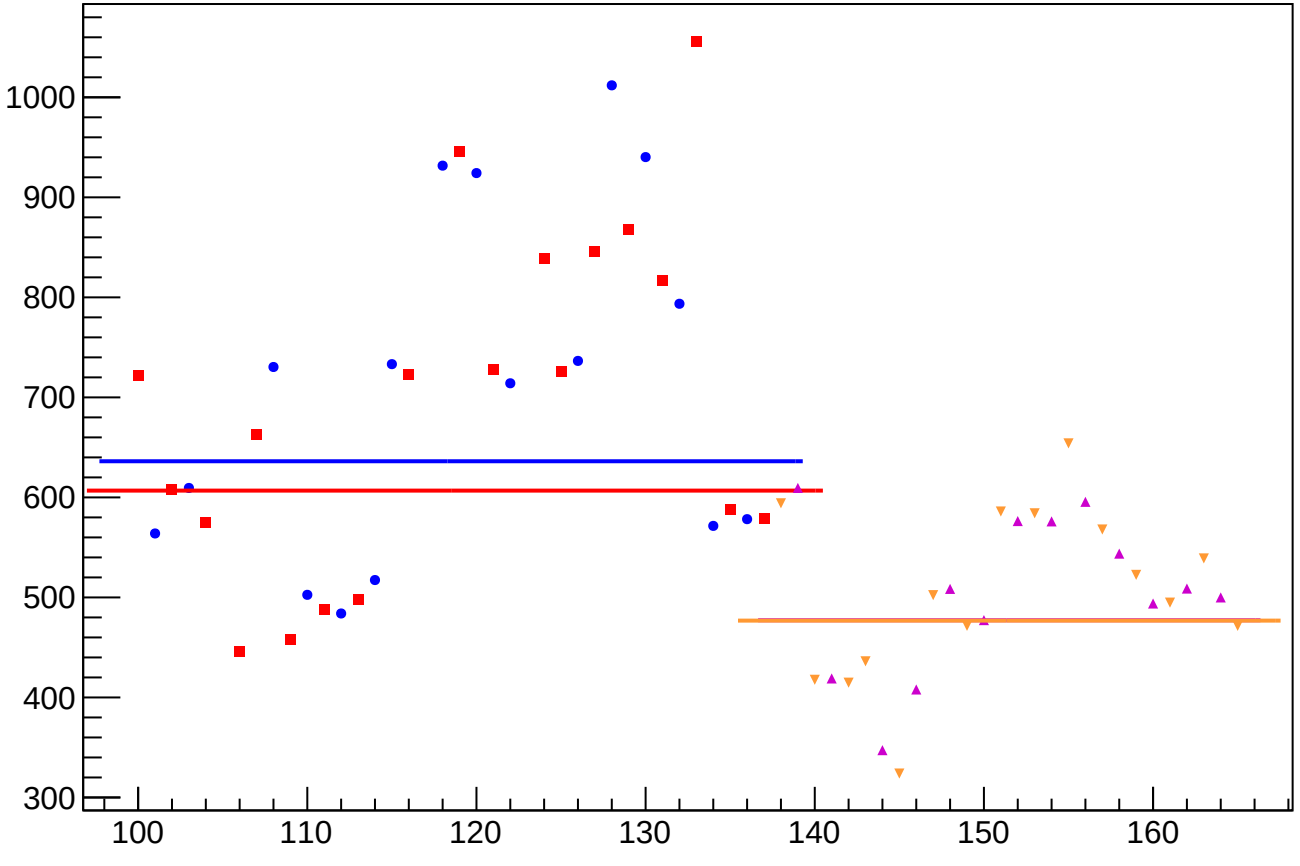
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -51.212+/-125.726 χ^2/NDF:31.4/28

Out: 437.428+/-120.464 χ^2/NDF:67.2/33

All: 203.547+/-86.982 χ^2/NDF: 106.4/62

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: 476.820+/-0.100 χ^2/NDF:804057.4/14

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 477.181+/-0.104 χ^2/NDF:620003.5/12

Left: 476.994+/-0.072 χ^2/NDF: 1424067.1/27

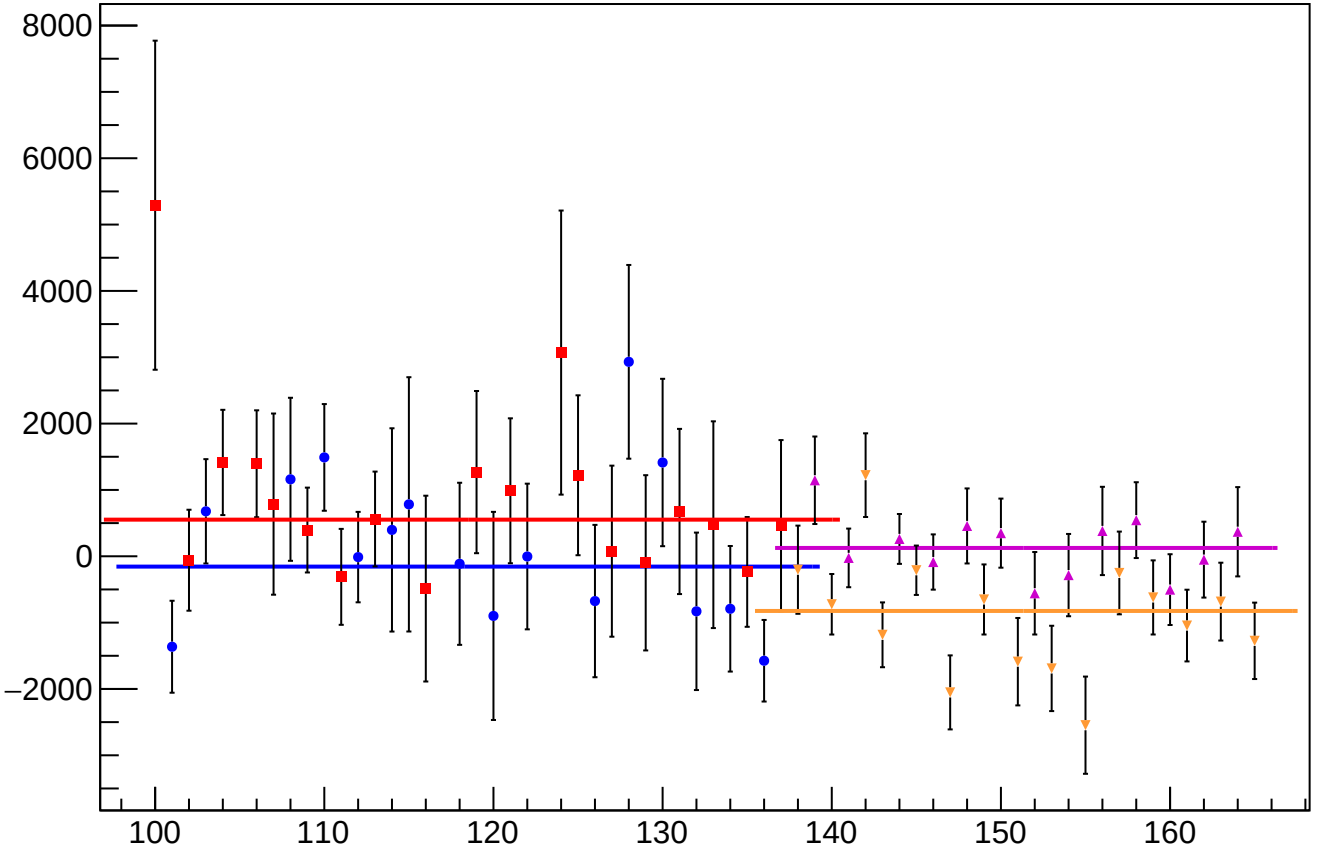
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 519.456+/-0.089 χ^2/NDF:1949399.8/28

Out: 512.577+/-0.085 χ^2/NDF:2162284.0/33

All: 515.869+/-0.062 χ^2/NDF: 4114805.4/62

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -824.211+/-142.140 χ^2/NDF:30.2/14

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 125.550+/-146.860 χ^2/NDF:7.4/12

Left: -364.837+/-102.136 χ^2/NDF: 59.1/27

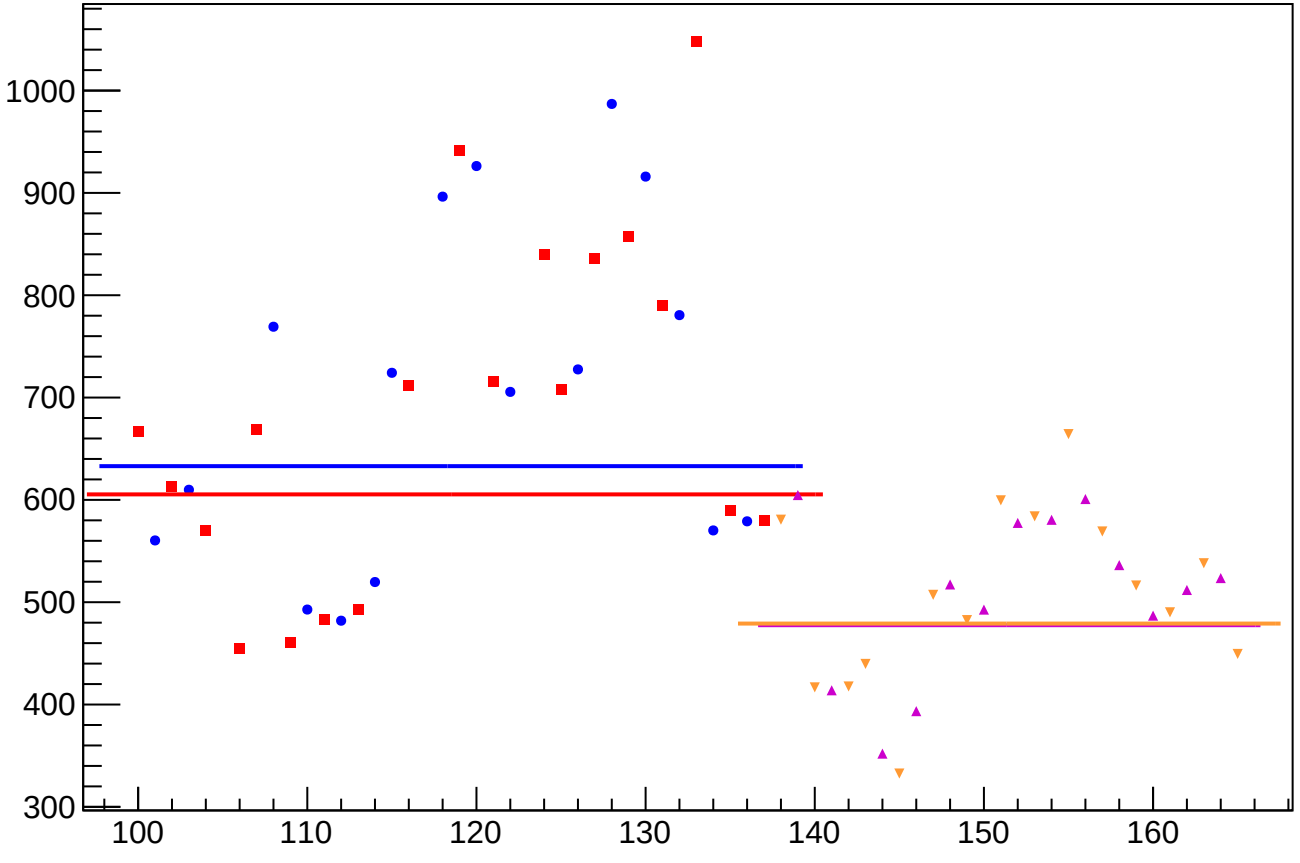
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 50.135+/-125.633 χ^2/NDF:30.8/28

Out: -441.146+/-120.752 χ^2/NDF:68.4/33

All: -205.235+/-87.059 χ^2/NDF: 107.2/62

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 479.123+/-0.101 χ^2/NDF:755941.4/14

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 477.533+/-0.104 χ^2/NDF:645660.2/12

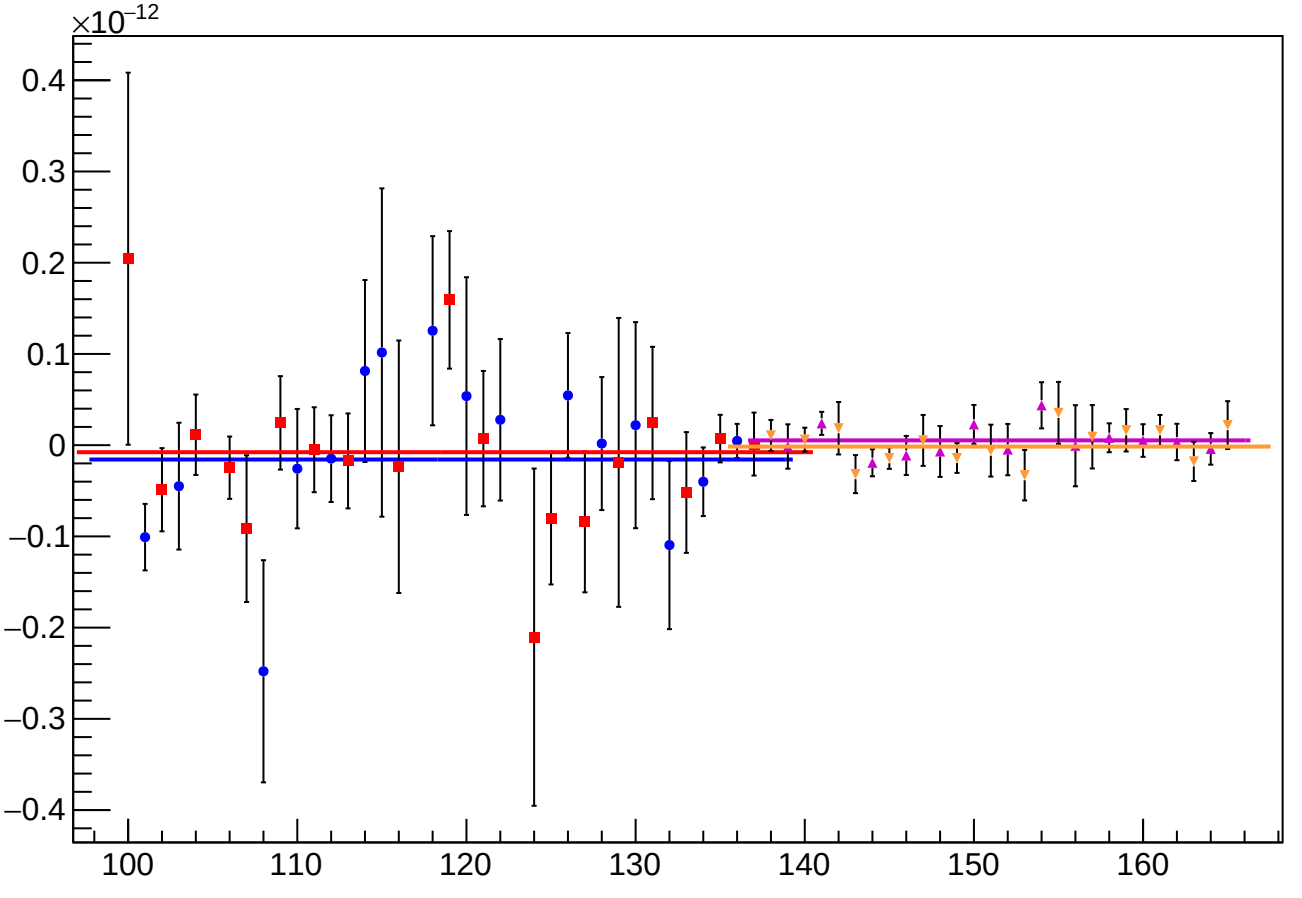
Left: 478.354+/-0.072 χ^2/NDF: 1401722.6/27

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 519.218+/-0.089 χ^2/NDF:1927632.9/28

Out: 514.260+/-0.085 χ^2/NDF:2049065.3/33

All: 516.641+/-0.062 χ^2/NDF: 3978317.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

Left: 0.000+/-0.000 χ^2/NDF: 21.0/27

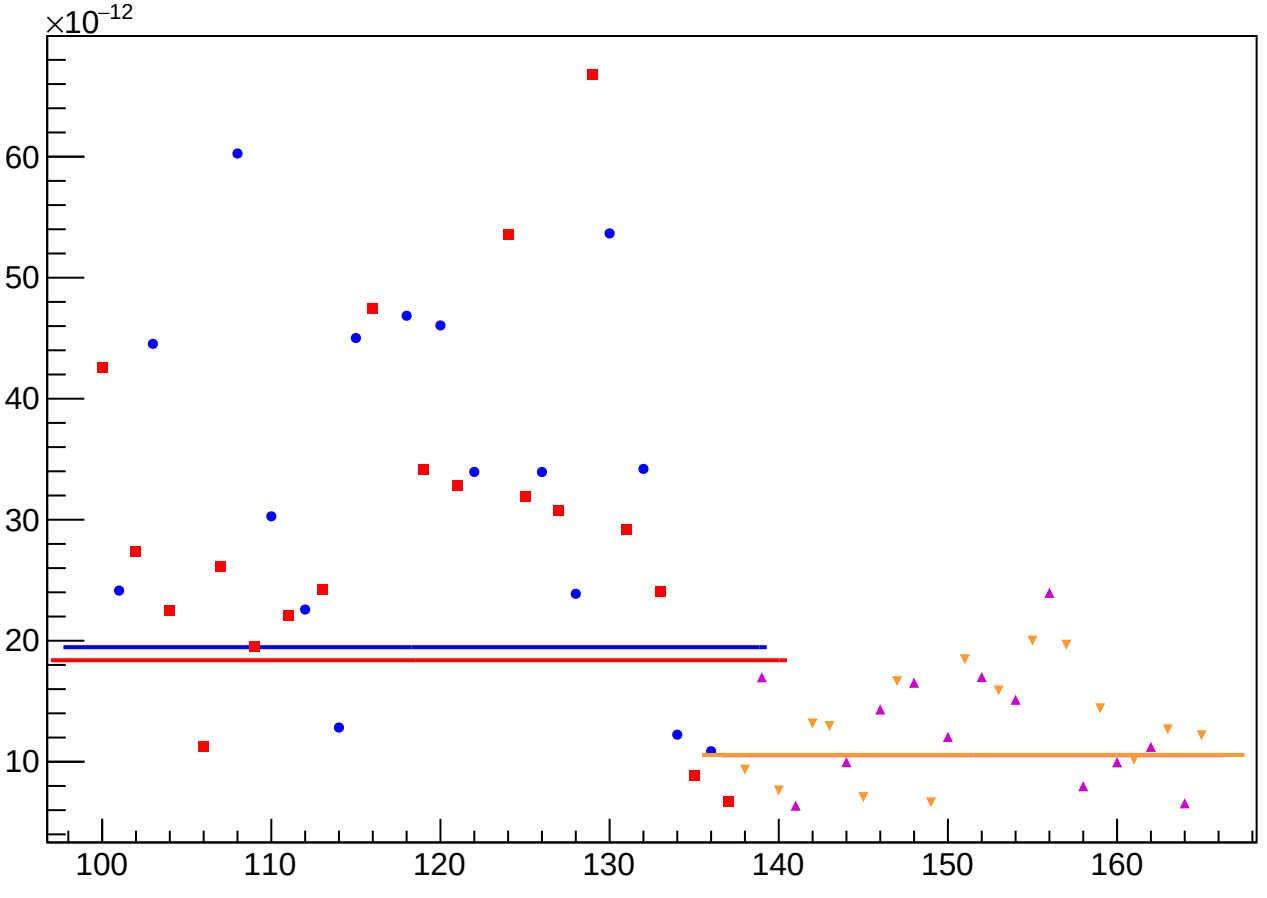
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:28.5/28

Out: -0.000+/-0.000 χ^2/NDF:24.1/33

All: -0.000+/-0.000 χ^2/NDF: 53.0/62

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:1144318.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1040587.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2184924.2/27

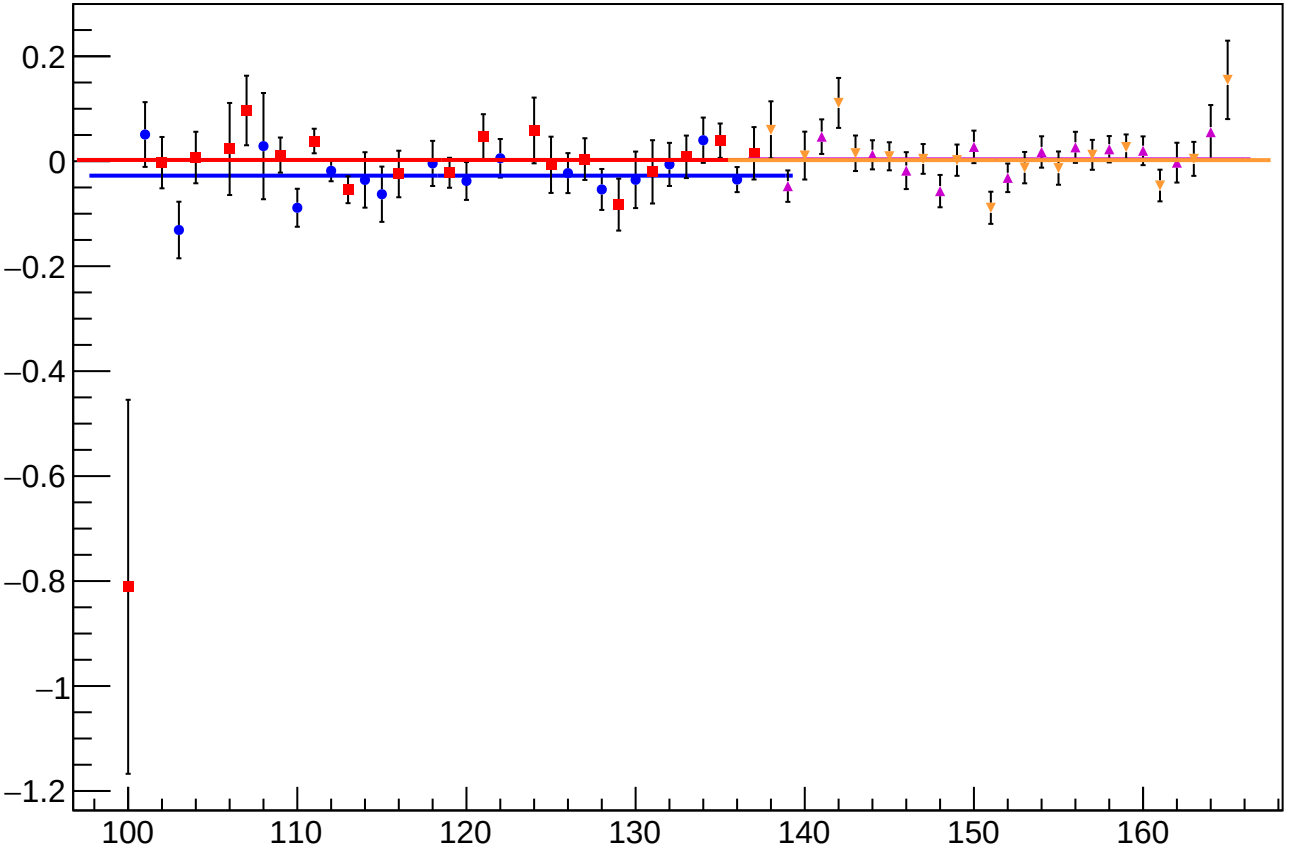
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3623507.6/28

Out: 0.000+/-0.000 χ^2/NDF:3292583.5/33

All: 0.000+/-0.000 χ^2/NDF: 6917539.1/62

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

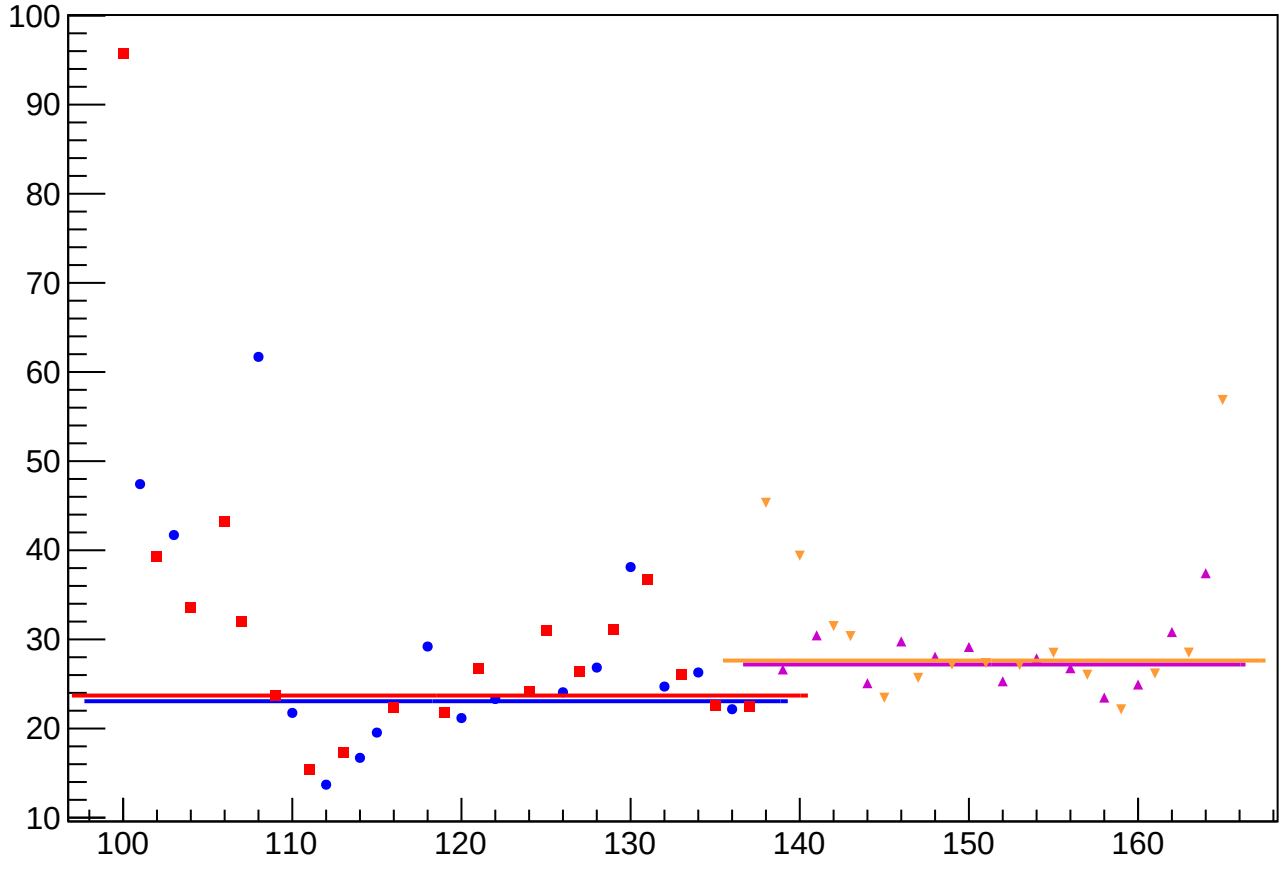
Left: 0.003+/-0.006 χ^2/NDF: 37.8/27

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 81.6/62



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.629+/-0.006 χ^2/NDF:853236.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

Left: 27.411+/-0.004 χ^2/NDF: 1073285.9/27

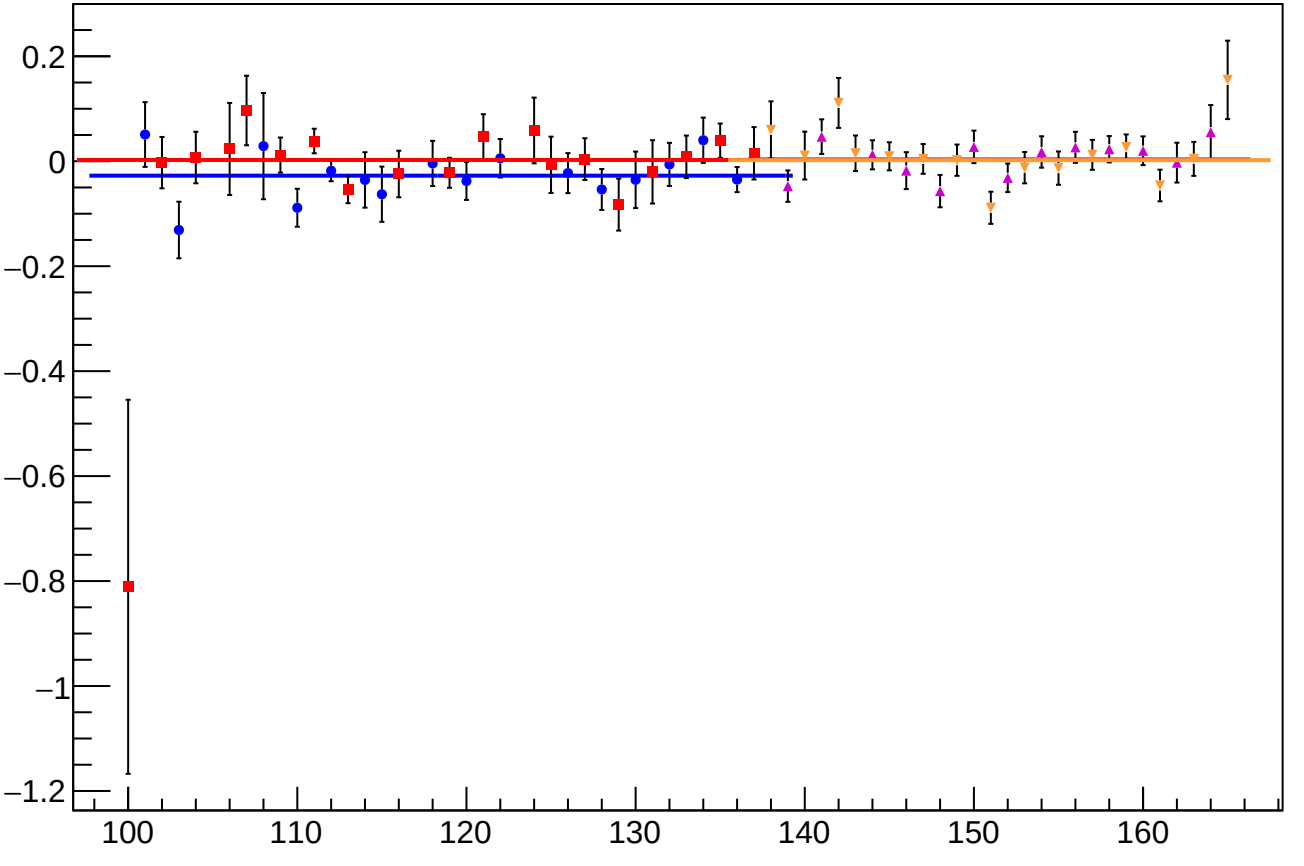
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.330+/-0.004 χ^2/NDF:1993212.7/28

Out: 25.869+/-0.004 χ^2/NDF:2138845.1/33

All: 25.603+/-0.003 χ^2/NDF: 4139472.1/62

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

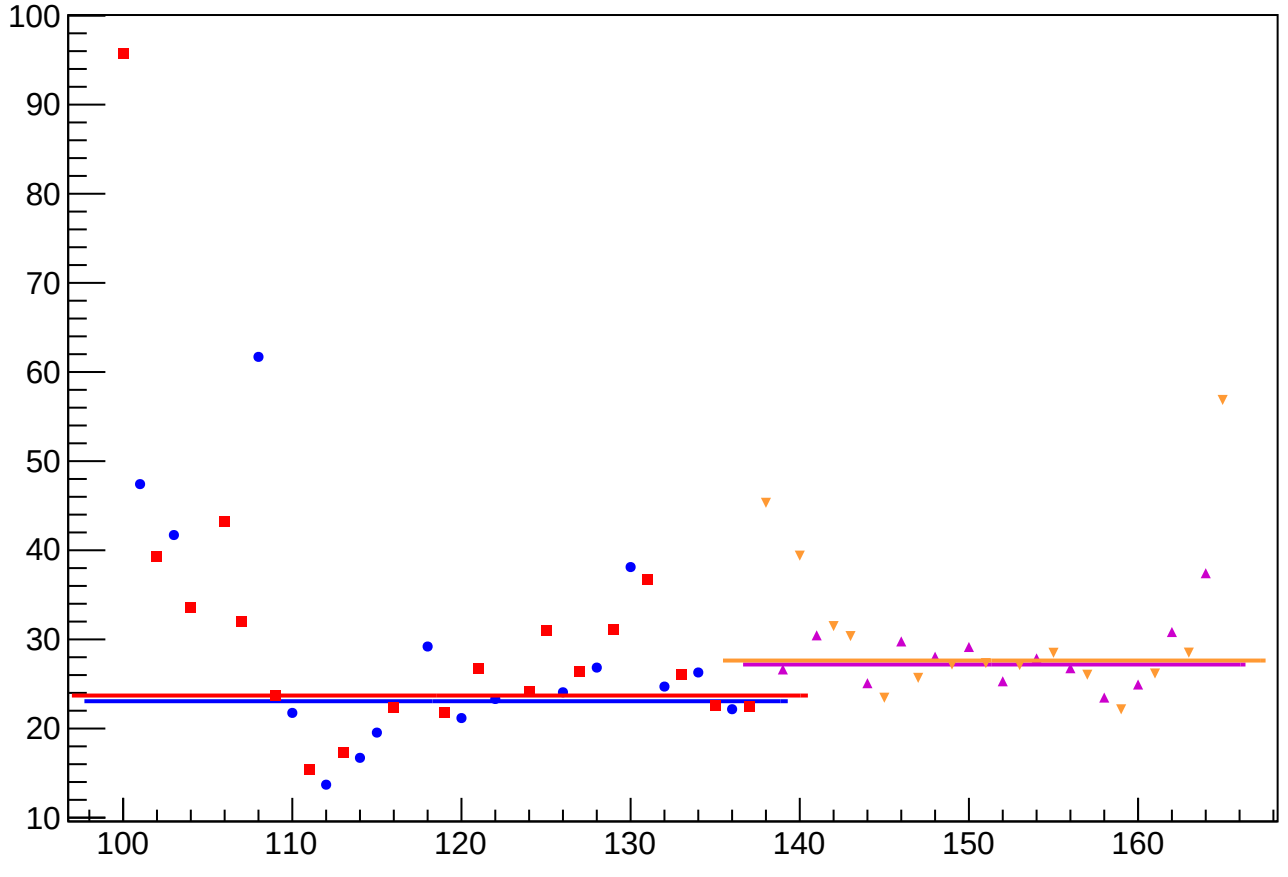
Left: 0.003+/-0.006 χ^2/NDF: 37.8/27

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 81.6/62



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.629+/-0.006 χ^2/NDF:853236.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

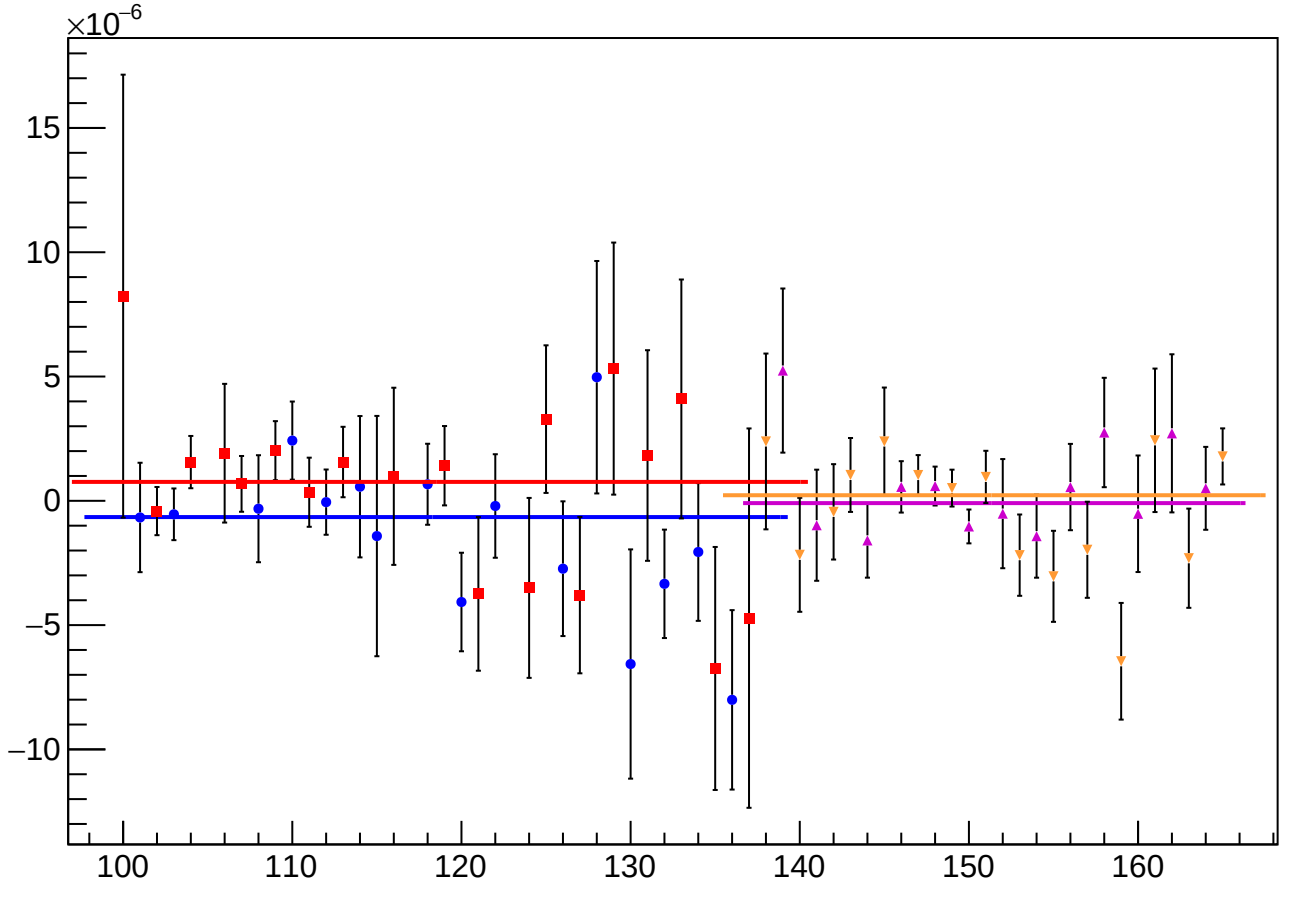
Left: 27.411+/-0.004 χ^2/NDF: 1073285.9/27

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.330+/-0.004 χ^2/NDF:1993212.7/28

Out: 25.869+/-0.004 χ^2/NDF:2138845.1/33

All: 25.603+/-0.003 χ^2/NDF: 4139472.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/12

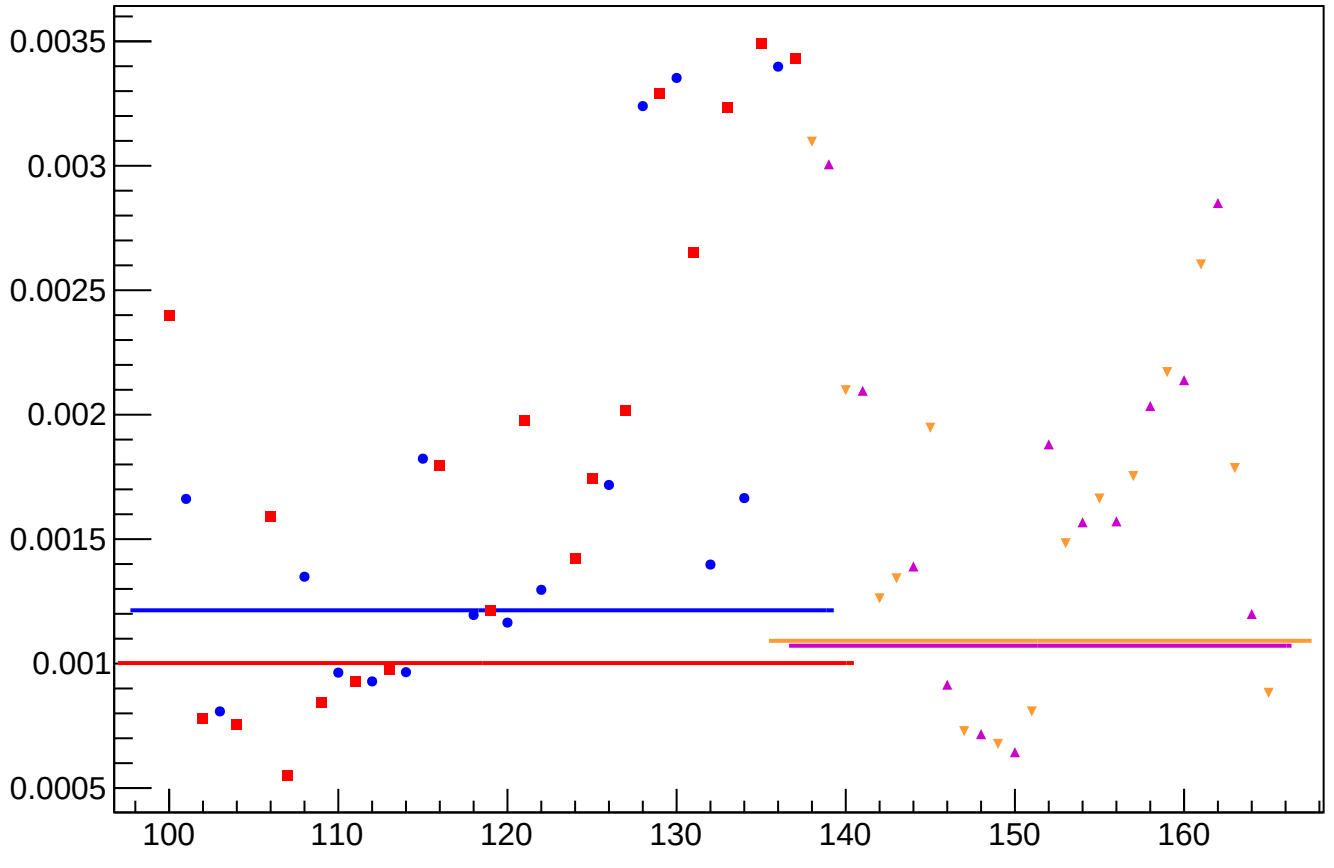
Left: 0.000+/-0.000 χ^2/NDF: 34.0/27

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:28.6/28

Out: 0.000+/-0.000 χ^2/NDF:39.5/33

All: 0.000+/-0.000 χ^2/NDF: 71.5/62



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4419208.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4492849.6/12

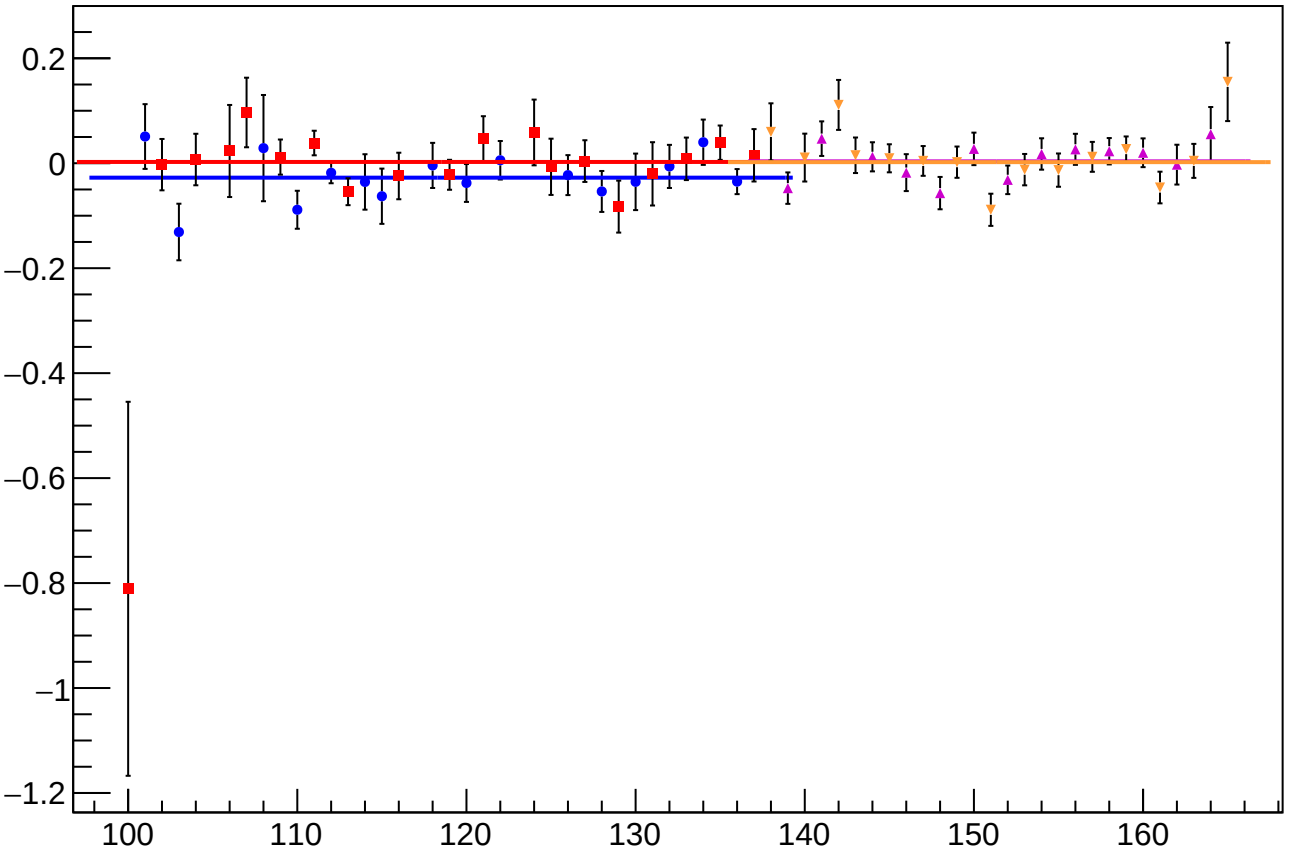
Left: 0.001+/-0.000 χ^2/NDF: 8914982.9/27

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6864538.7/28

Out: 0.001+/-0.000 χ^2/NDF:7748961.7/33

All: 0.001+/-0.000 χ^2/NDF: 14671549.8/62



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

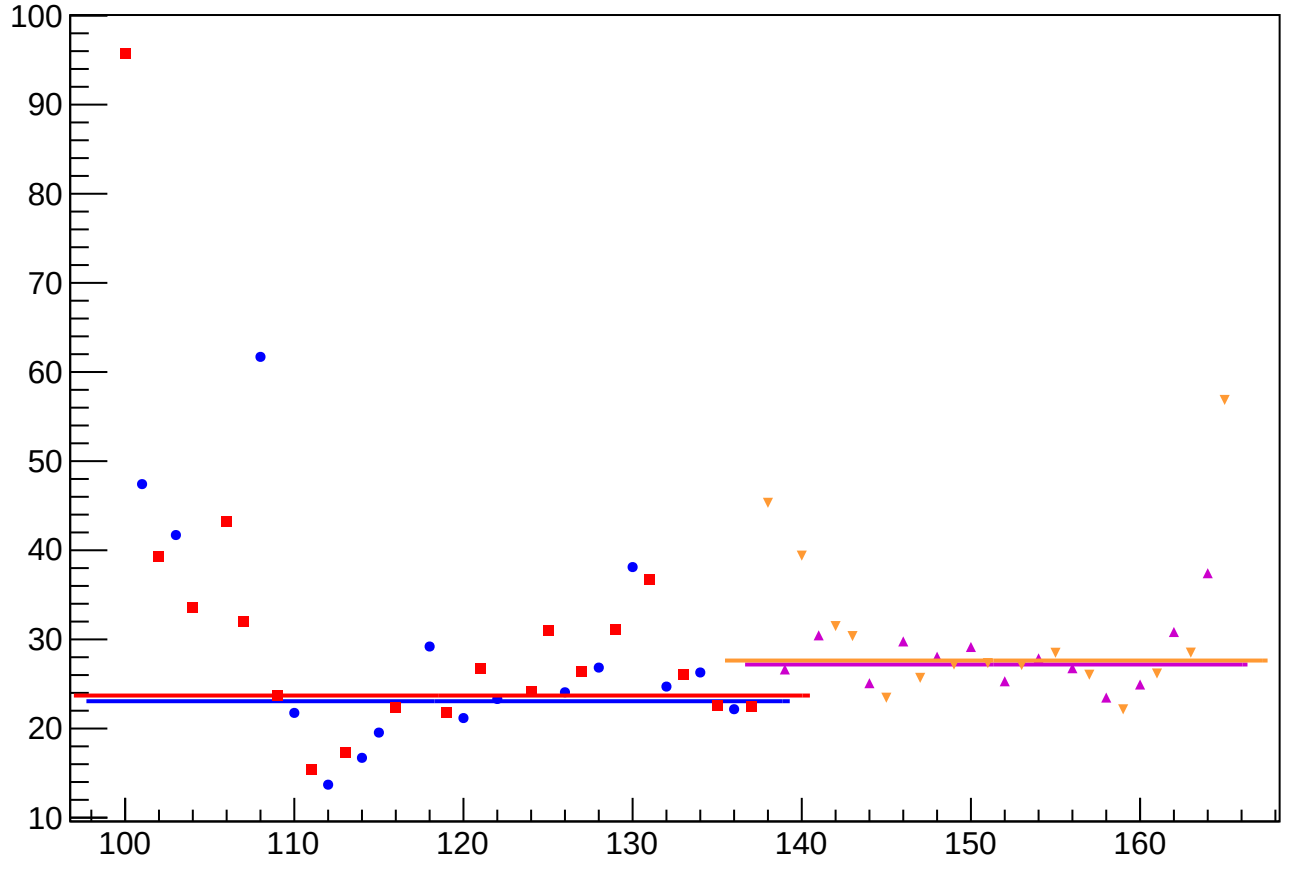
Left: 0.003+/-0.006 χ^2/NDF: 37.8/27

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 81.6/62



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.629+/-0.006 χ^2/NDF:853192.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

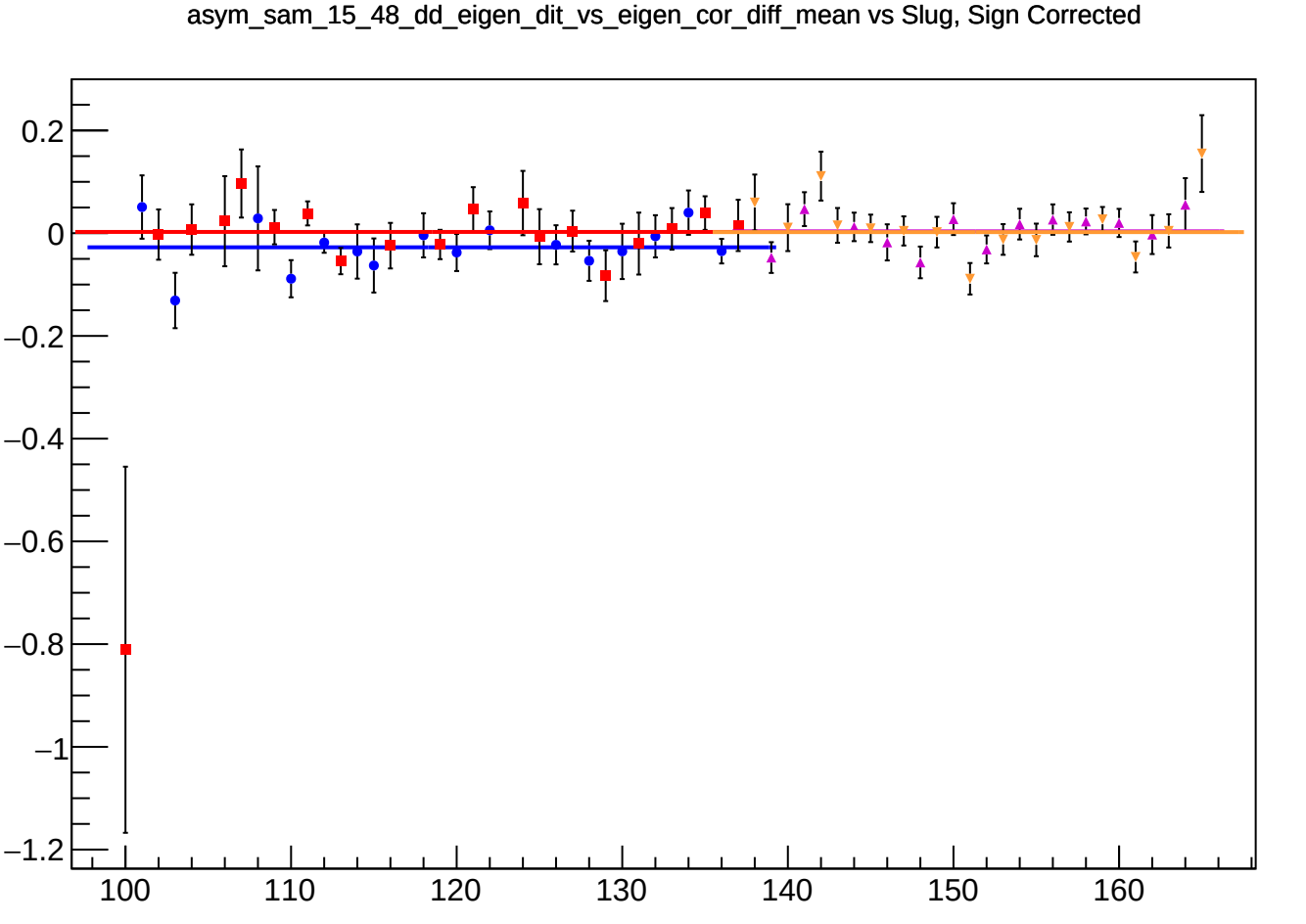
Left: 27.411+/-0.004 χ^2/NDF: 1073239.7/27

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.330+/-0.004 χ^2/NDF:1993272.4/28

Out: 25.869+/-0.004 χ^2/NDF:2138899.7/33

All: 25.603+/-0.003 χ^2/NDF: 4139587.2/62



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

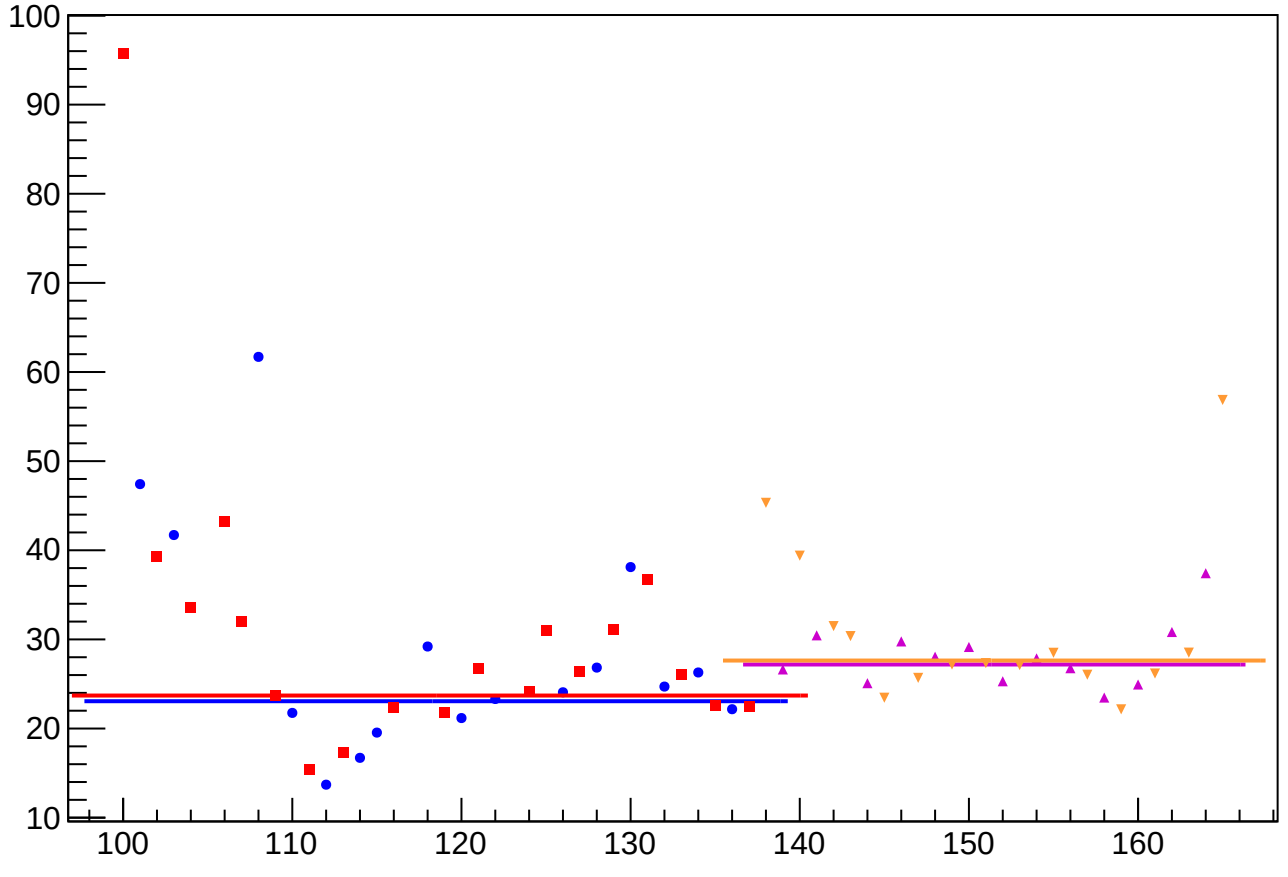
Left: 0.003+/-0.006 χ^2/NDF: 37.8/27

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 81.6/62



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.629+/-0.006 χ^2/NDF:853192.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

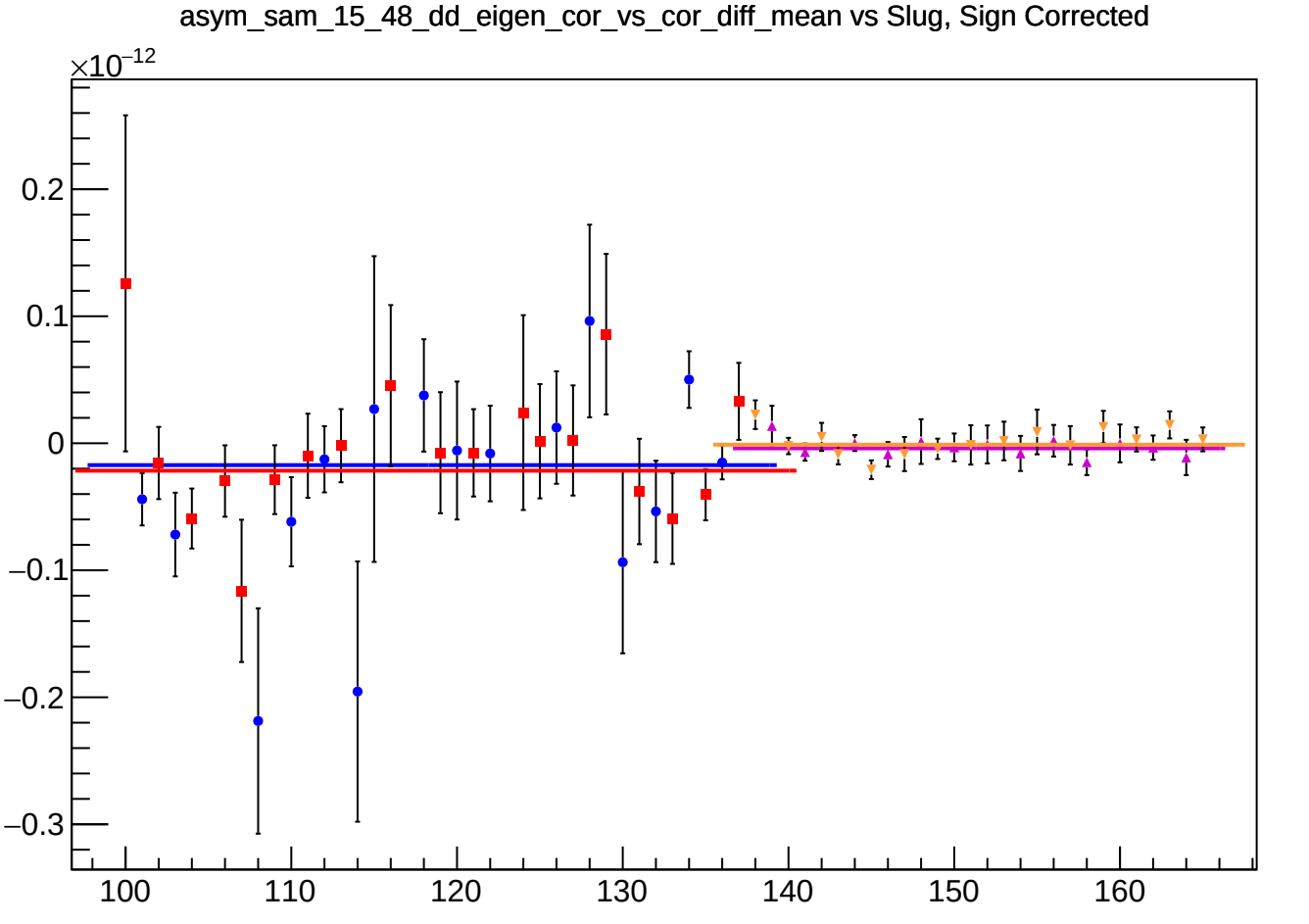
Left: 27.411+/-0.004 χ^2/NDF: 1073239.7/27

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.330+/-0.004 χ^2/NDF:1993272.4/28

Out: 25.869+/-0.004 χ^2/NDF:2138899.7/33

All: 25.603+/-0.003 χ^2/NDF: 4139587.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/12

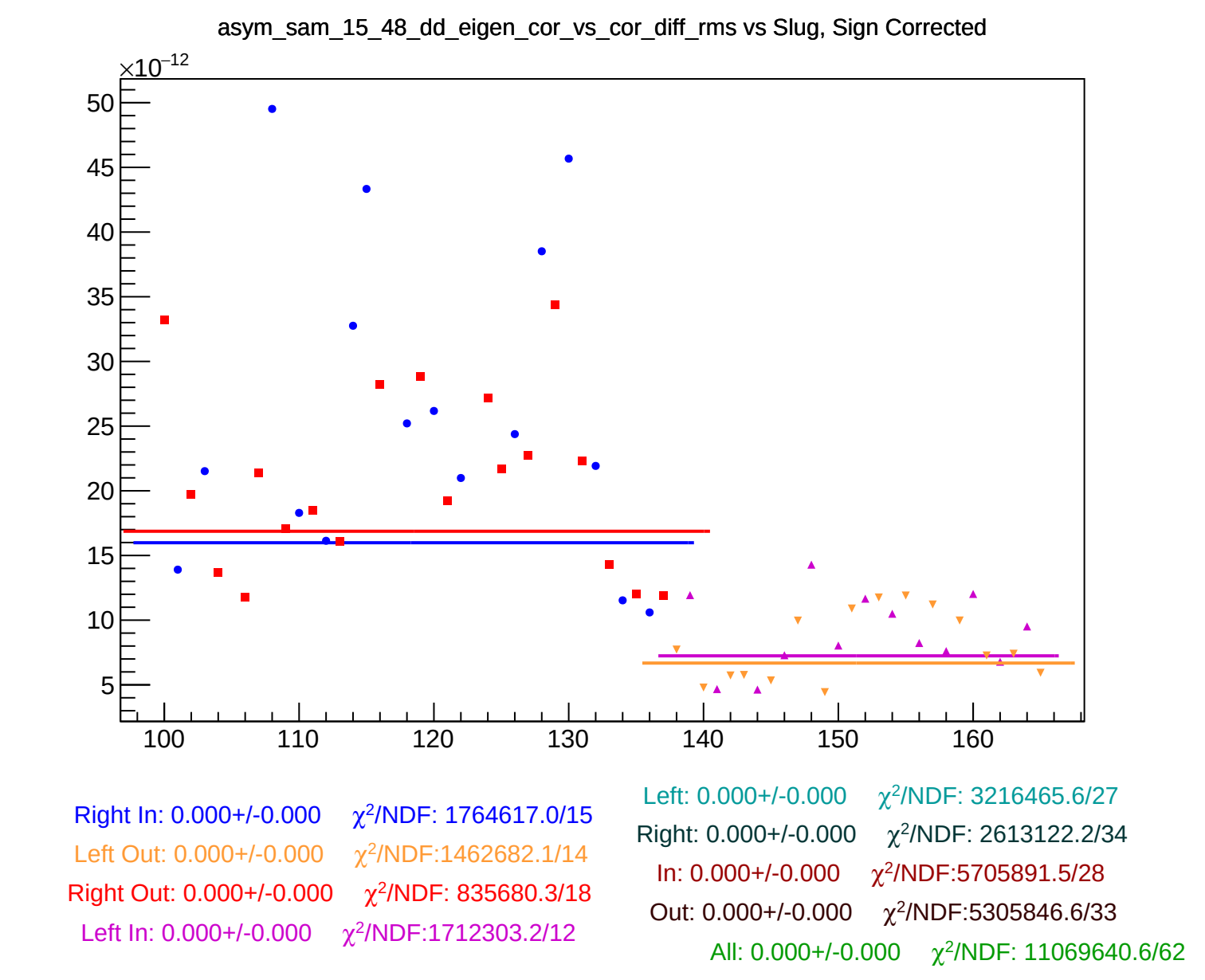
Left: -0.000+/-0.000 χ^2/NDF: 21.9/27

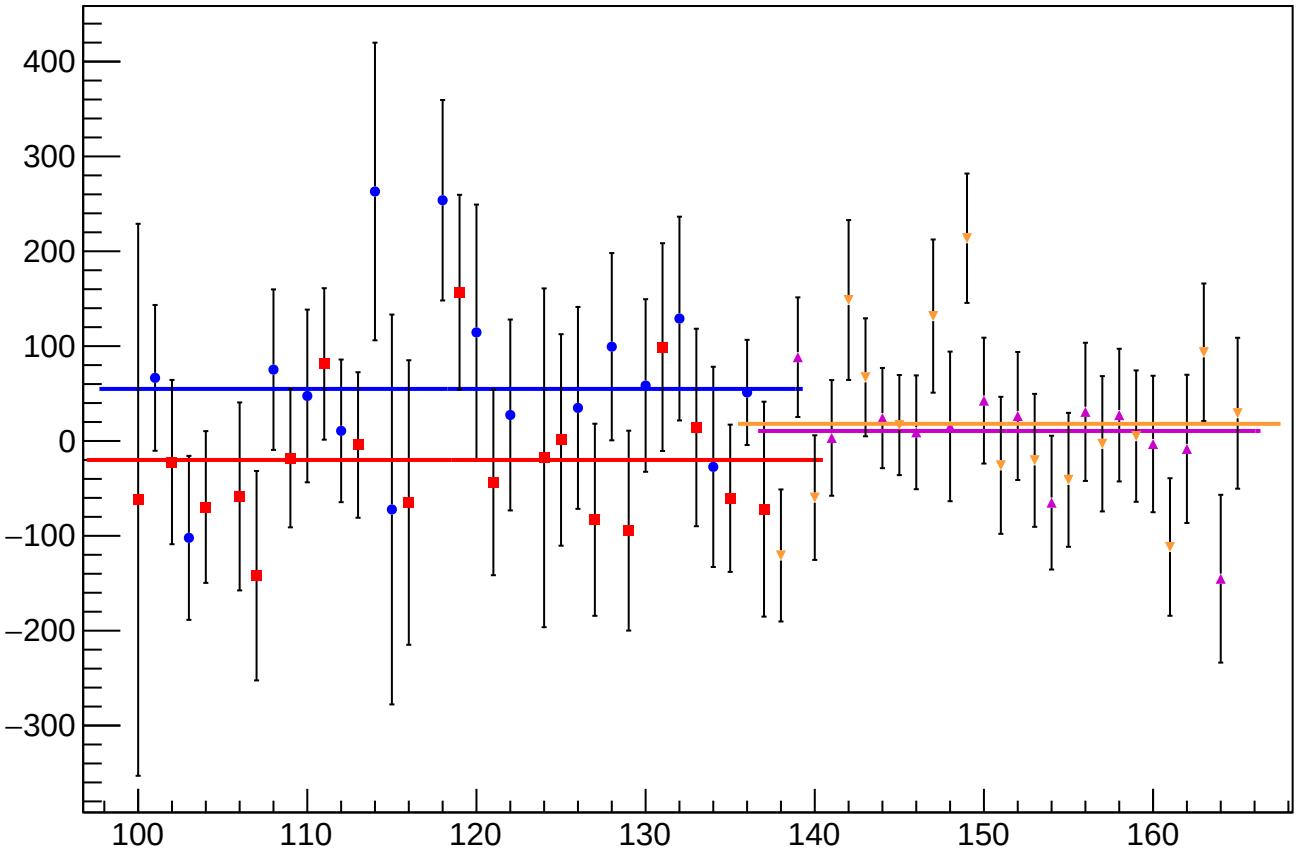
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:36.4/28

Out: -0.000+/-0.000 χ^2/NDF:41.4/33

All: -0.000+/-0.000 χ^2/NDF: 78.3/62


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1462682.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1712303.2/12
Left: 0.000+/-0.000 χ²/NDF: 3216465.6/27
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5705891.5/28
Out: 0.000+/-0.000 χ²/NDF:5305846.6/33
All: 0.000+/-0.000 χ²/NDF: 11069640.6/62



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.067+/-17.948 χ^2/NDF:24.4/14

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 10.542+/-18.756 χ^2/NDF:6.4/12

Left: 14.470+/-12.968 χ^2/NDF: 30.9/27

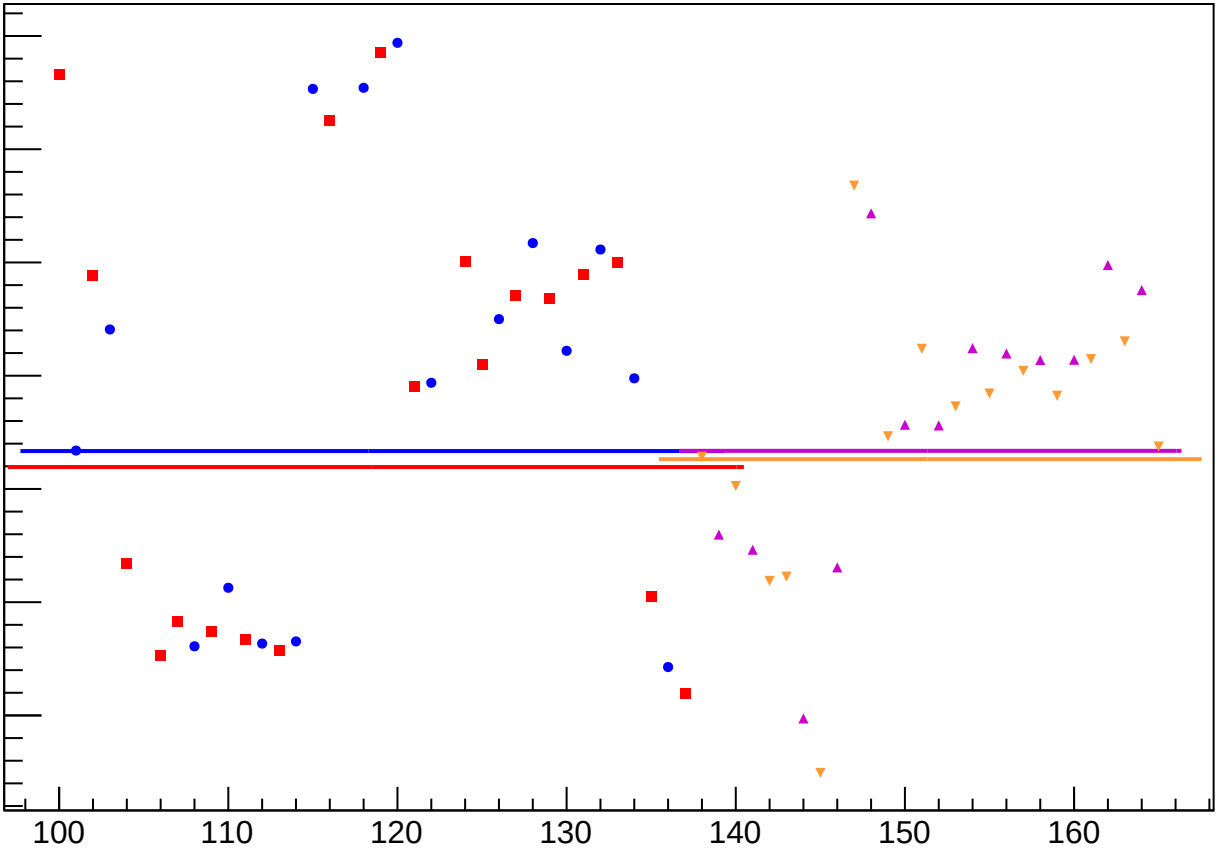
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 28.088+/-14.581 χ^2/NDF:19.6/28

Out: 3.313+/-14.048 χ^2/NDF:35.4/33

All: 15.240+/-10.116 χ^2/NDF: 56.5/62

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

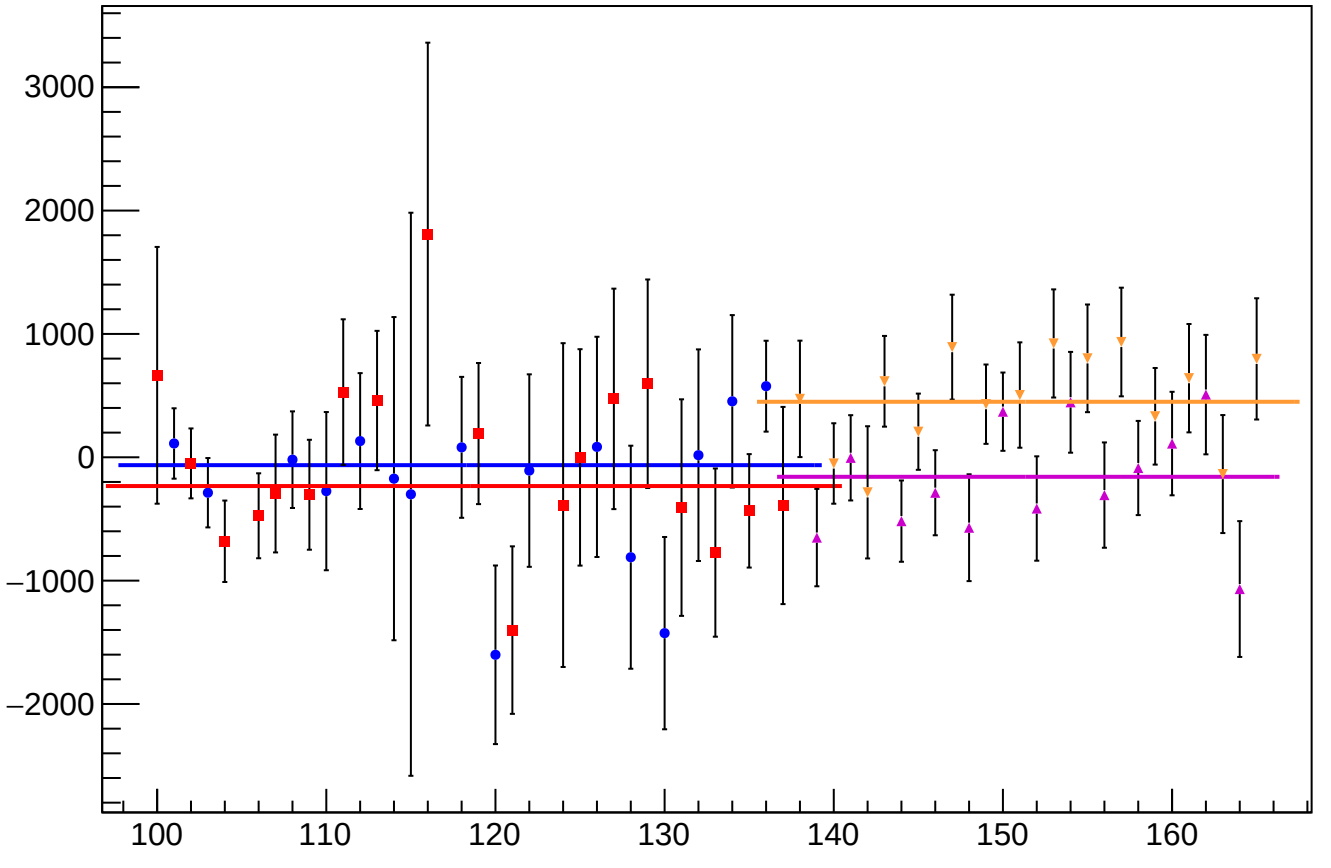
Left: 61.491+/-0.009 χ^2/NDF: 479248.2/27

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.679+/-0.010 χ^2/NDF:498461.2/28

Out: 61.181+/-0.010 χ^2/NDF:531972.8/33

All: 61.420+/-0.007 χ^2/NDF: 1031645.4/62



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 450.028+/-104.398 χ^2/NDF:11.5/14

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -158.230+/-108.566 χ^2/NDF:14.5/12

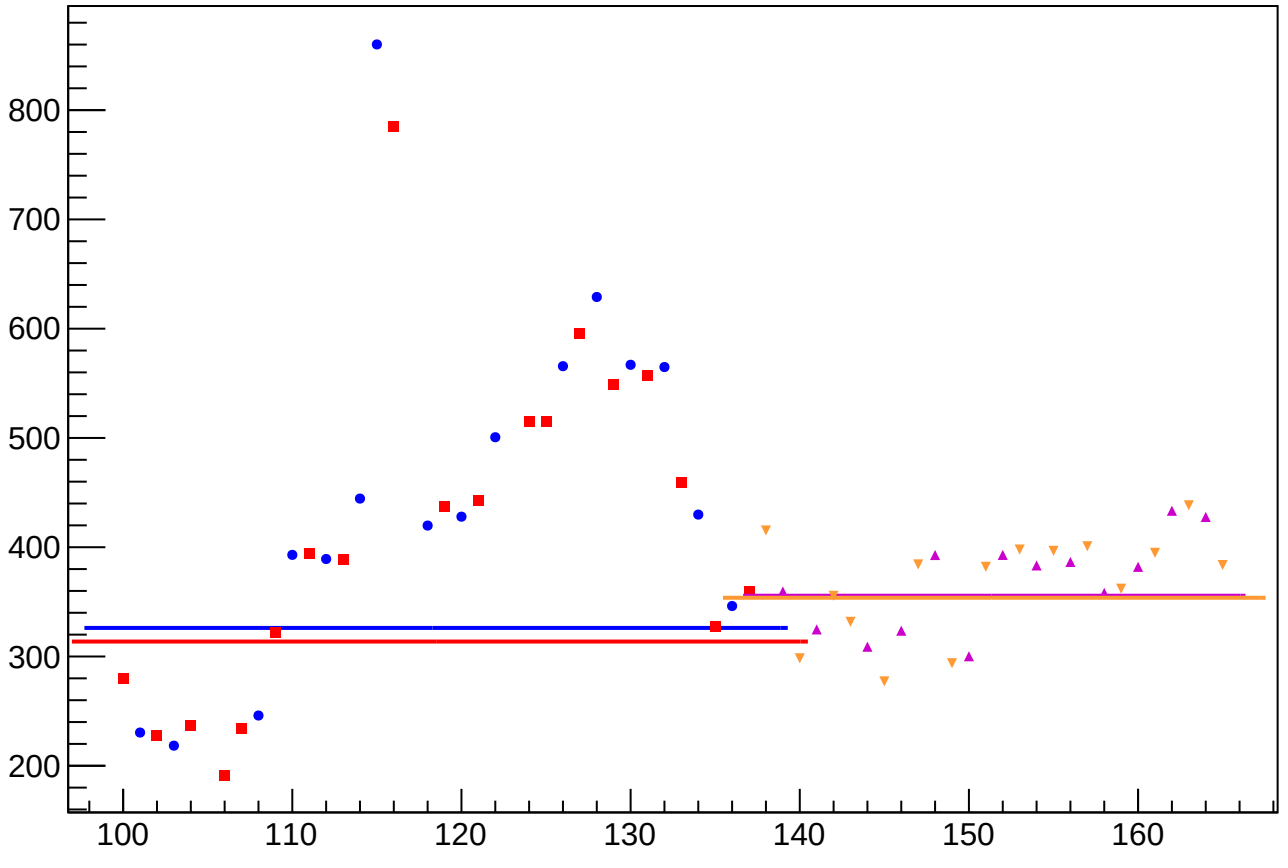
Left: 157.800+/-75.251 χ^2/NDF: 42.3/27

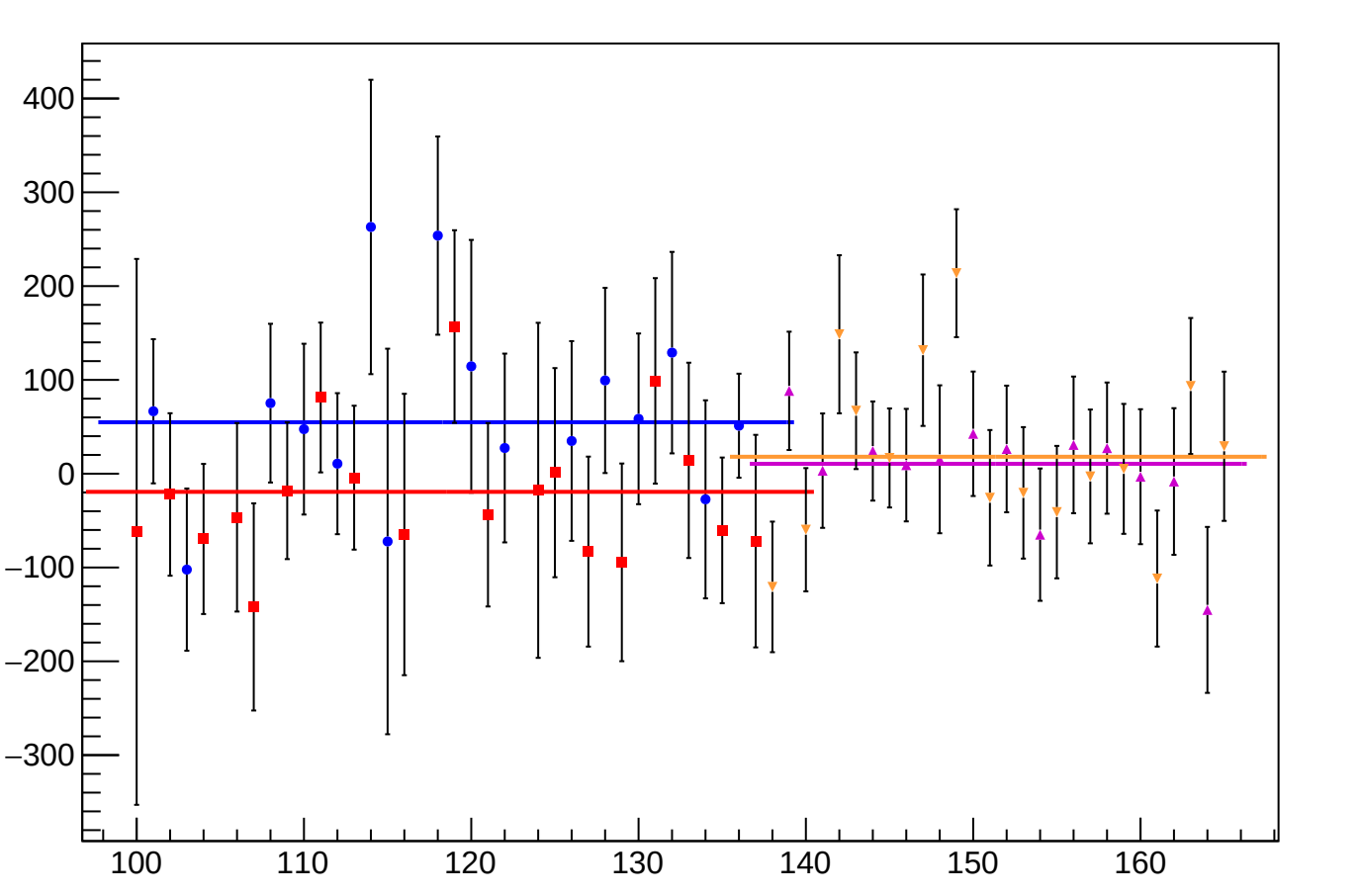
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -119.330+/-83.243 χ^2/NDF:28.0/28

Out: 163.365+/-79.537 χ^2/NDF:44.0/33

All: 28.451+/-57.507 χ^2/NDF: 78.0/62


asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 326.147+/-0.092 χ²/NDF: 1733995.5/15
Left Out: 353.744+/-0.074 χ²/NDF:461353.0/14
Right Out: 313.672+/-0.087 χ²/NDF: 1787347.3/18
Left In: 355.600+/-0.077 χ²/NDF:278403.2/12
Left: 354.636+/-0.053 χ²/NDF: 740059.9/27
Right: 319.570+/-0.063 χ²/NDF: 3531102.5/34
In: 343.463+/-0.059 χ²/NDF:2073057.1/28
Out: 336.931+/-0.056 χ²/NDF:2372334.2/33
All: 340.049+/-0.041 χ²/NDF: 4451828.4/62



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.066+/-17.948 χ^2/NDF:24.4/14

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 10.541+/-18.756 χ^2/NDF:6.4/12

Left: 14.469+/-12.968 χ^2/NDF: 30.9/27

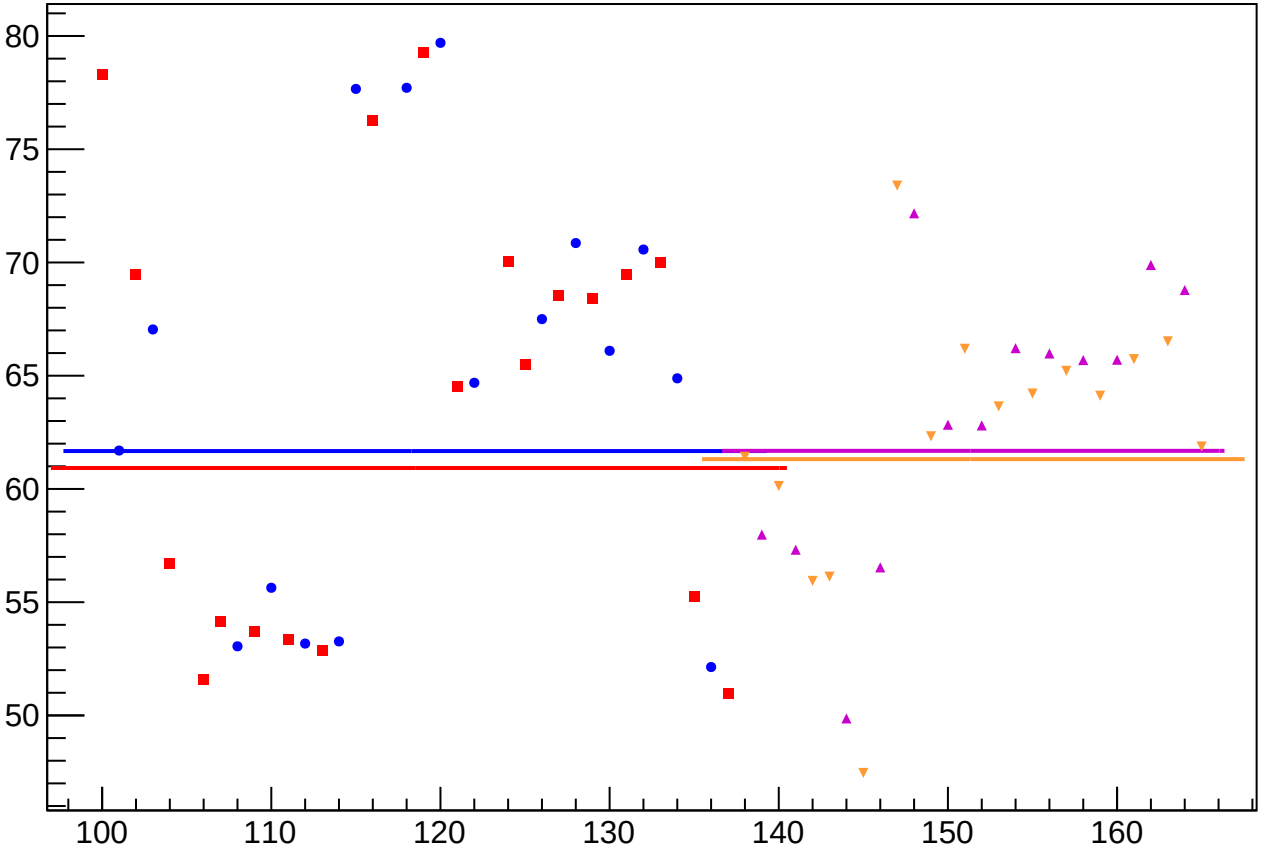
Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 28.085+/-14.581 χ^2/NDF:19.6/28

Out: 3.584+/-14.052 χ^2/NDF:35.2/33

All: 15.382+/-10.118 χ^2/NDF: 56.3/62

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

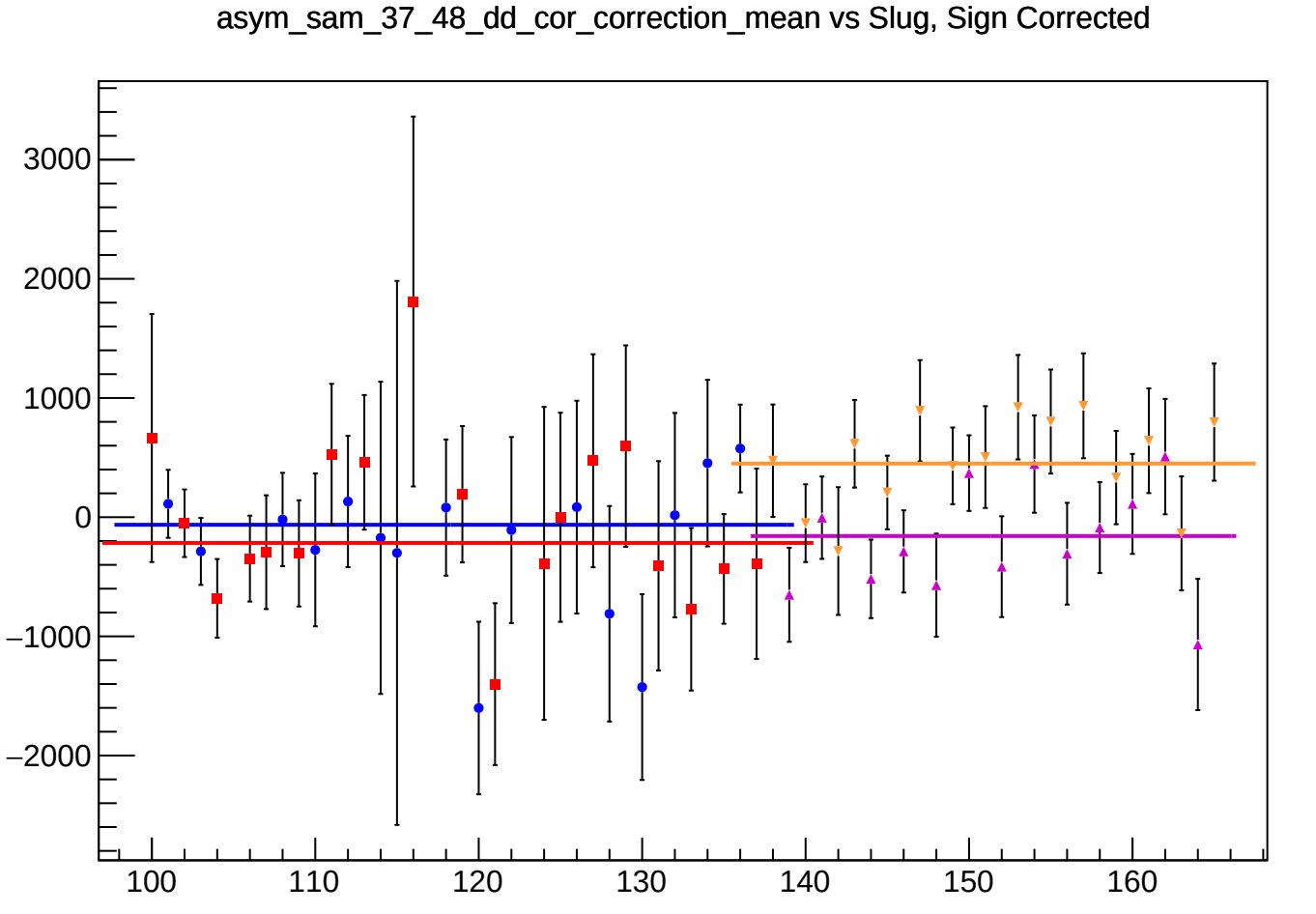
Left: 61.491+/-0.009 χ^2/NDF: 479248.2/27

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.679+/-0.010 χ^2/NDF:498461.4/28

Out: 61.165+/-0.010 χ^2/NDF:535441.3/33

All: 61.412+/-0.007 χ^2/NDF: 1035191.3/62



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 450.027+/-104.398 χ^2/NDF:11.5/14

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -158.229+/-108.566 χ^2/NDF:14.5/12

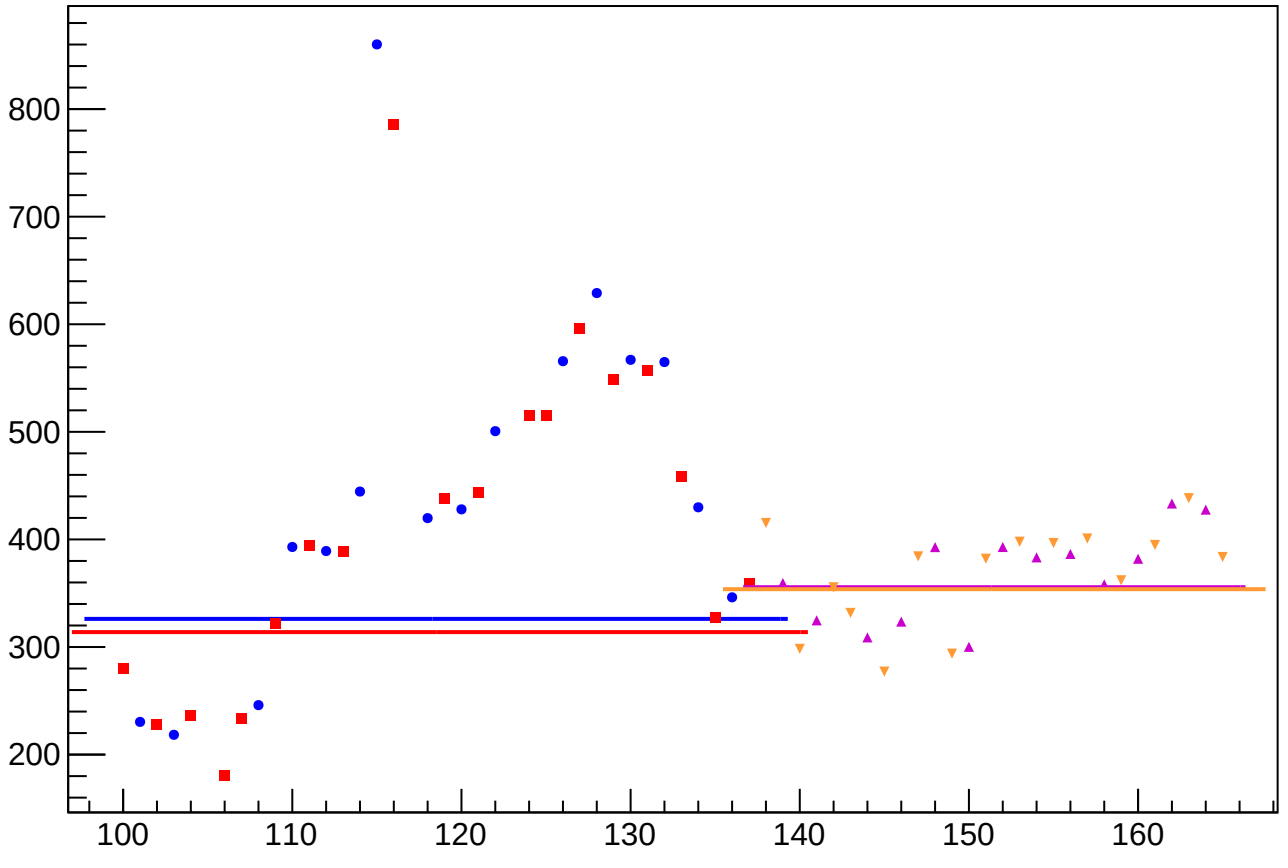
Left: 157.800+/-75.251 χ^2/NDF: 42.3/27

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.324+/-83.244 χ^2/NDF:28.0/28

Out: 172.463+/-79.726 χ^2/NDF:42.5/33

All: 32.865+/-57.578 χ^2/NDF: 76.9/62



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.744+/-0.074 χ^2/NDF:461352.2/14

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

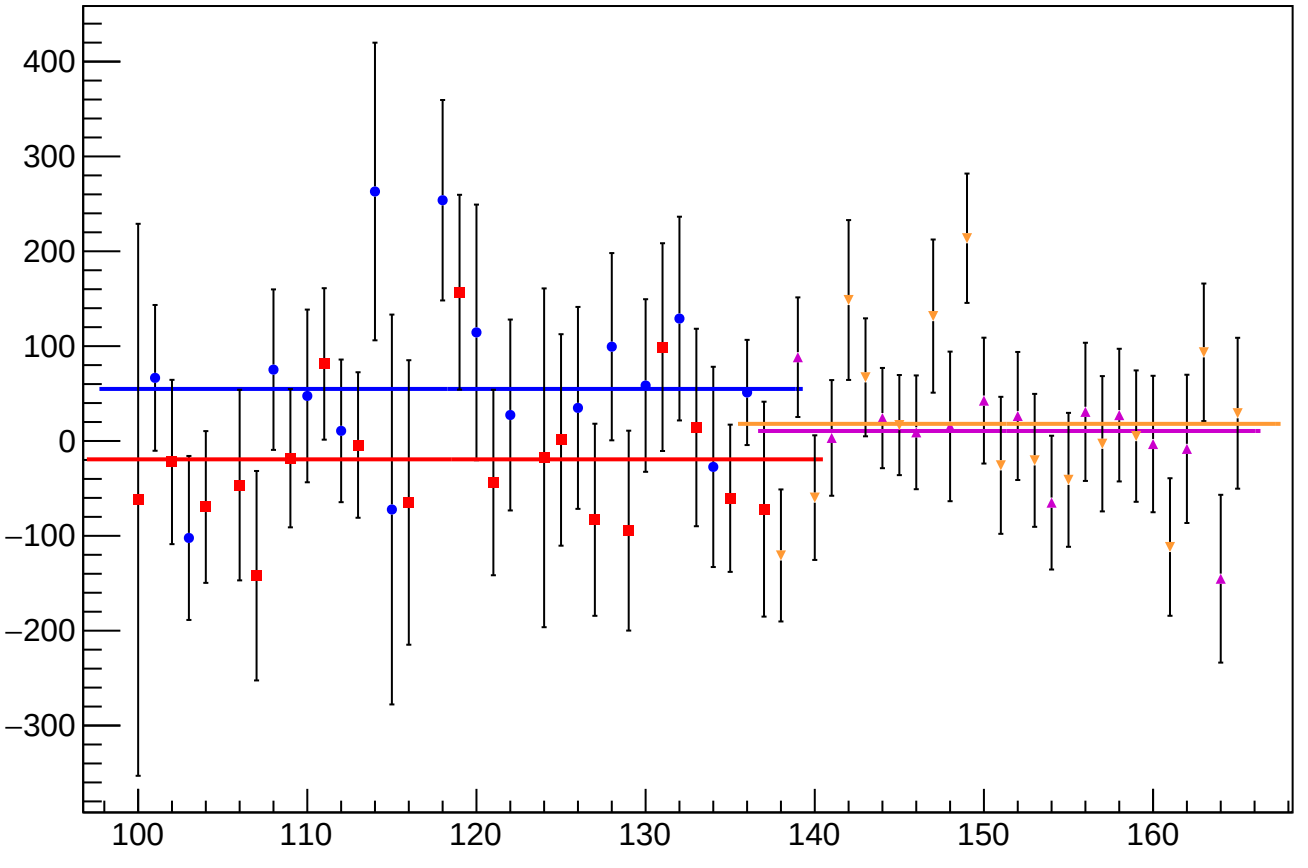
Left: 354.636+/-0.053 χ^2/NDF: 740059.1/27

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.464+/-0.059 χ^2/NDF:2072984.6/28

Out: 337.121+/-0.056 χ^2/NDF:2388795.8/33

All: 340.156+/-0.041 χ^2/NDF: 4467838.0/62



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.066+/-17.948 χ^2/NDF:24.4/14

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 10.541+/-18.756 χ^2/NDF:6.4/12

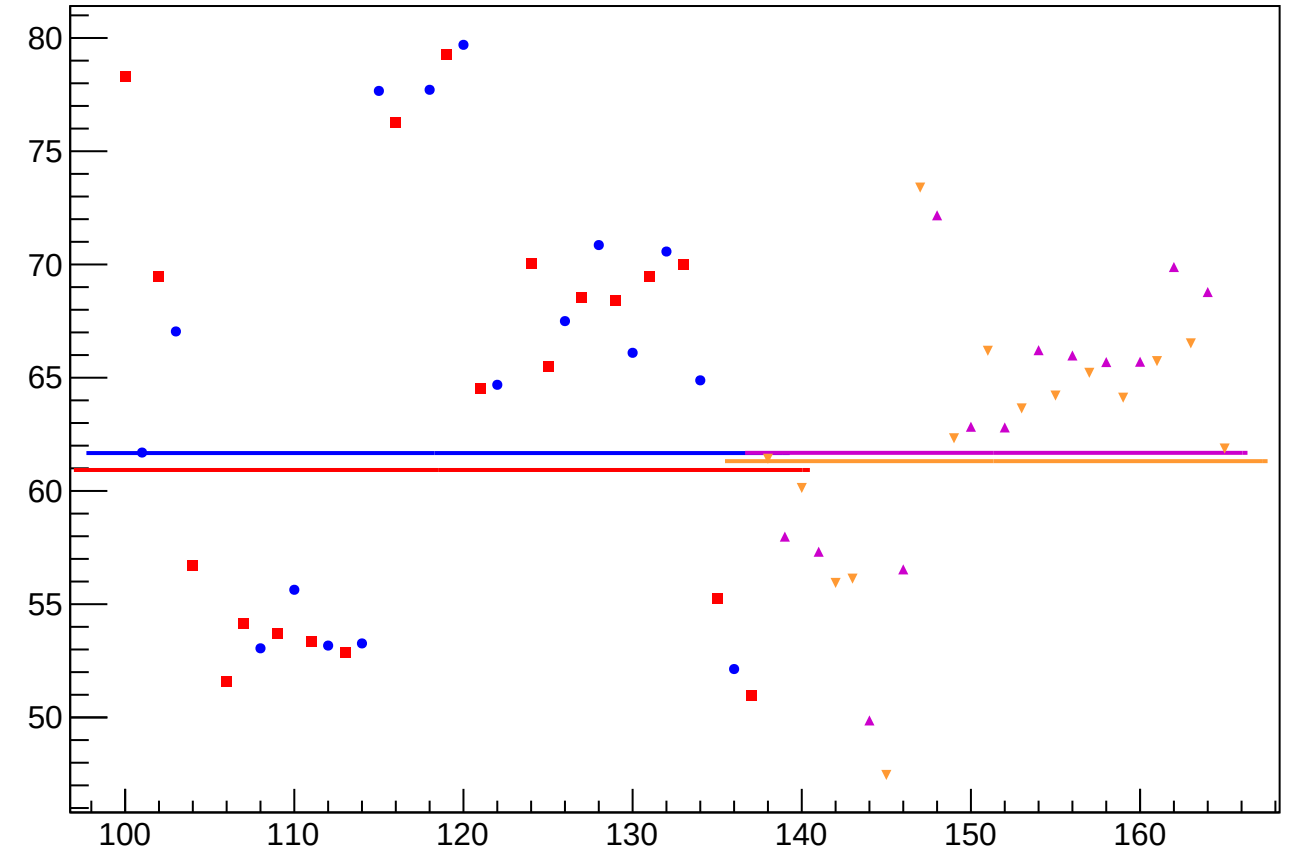
Left: 14.469+/-12.968 χ^2/NDF: 30.9/27

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 28.085+/-14.581 χ^2/NDF:19.6/28

Out: 3.584+/-14.052 χ^2/NDF:35.2/33

All: 15.382+/-10.118 χ^2/NDF: 56.3/62



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

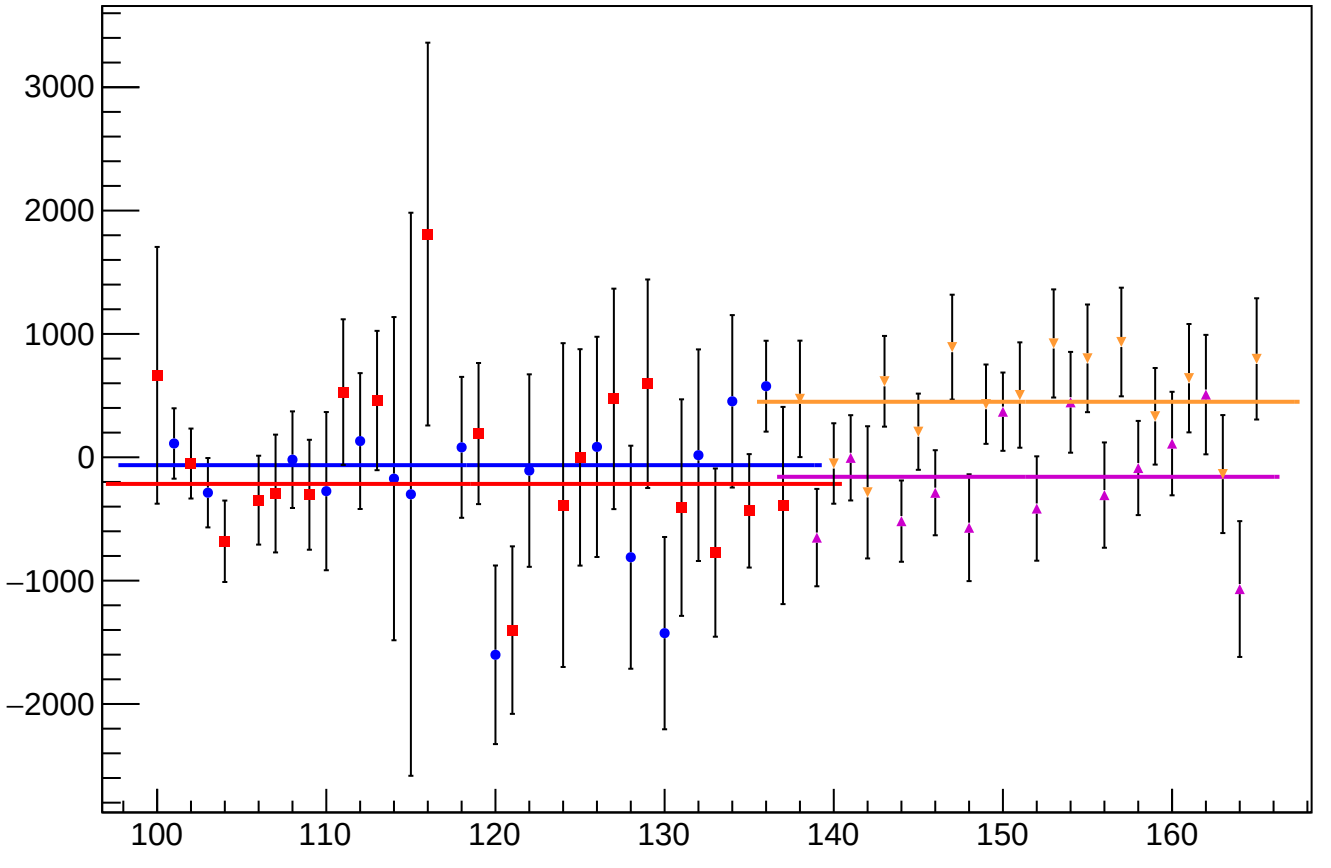
Left: 61.491+/-0.009 χ^2/NDF: 479248.2/27

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.679+/-0.010 χ^2/NDF:498461.4/28

Out: 61.165+/-0.010 χ^2/NDF:535441.3/33

All: 61.412+/-0.007 χ^2/NDF: 1035191.3/62



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 450.027+/-104.398 χ^2/NDF:11.5/14

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -158.229+/-108.566 χ^2/NDF:14.5/12

Left: 157.800+/-75.251 χ^2/NDF: 42.3/27

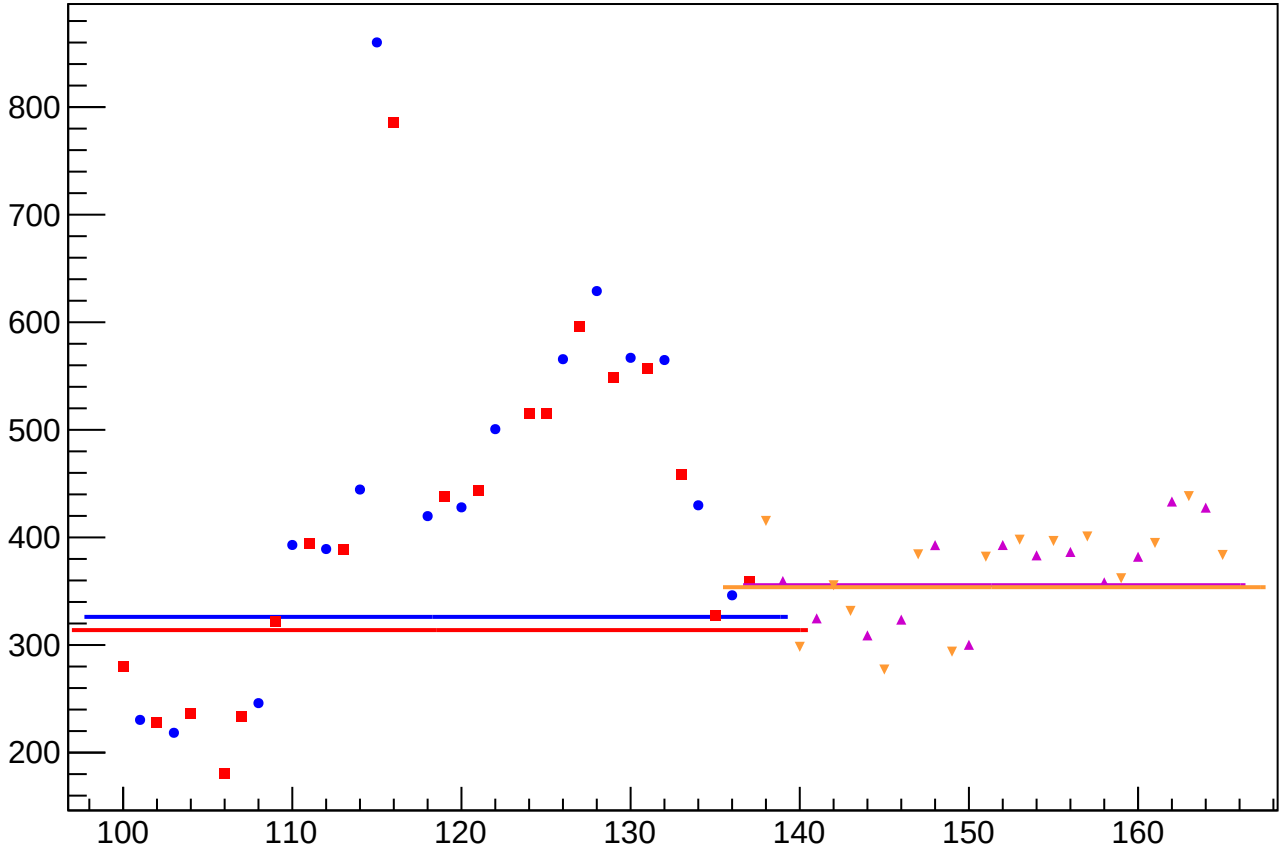
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.324+/-83.244 χ^2/NDF:28.0/28

Out: 172.463+/-79.726 χ^2/NDF:42.5/33

All: 32.865+/-57.578 χ^2/NDF: 76.9/62

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.744+/-0.074 χ^2/NDF:461352.2/14

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

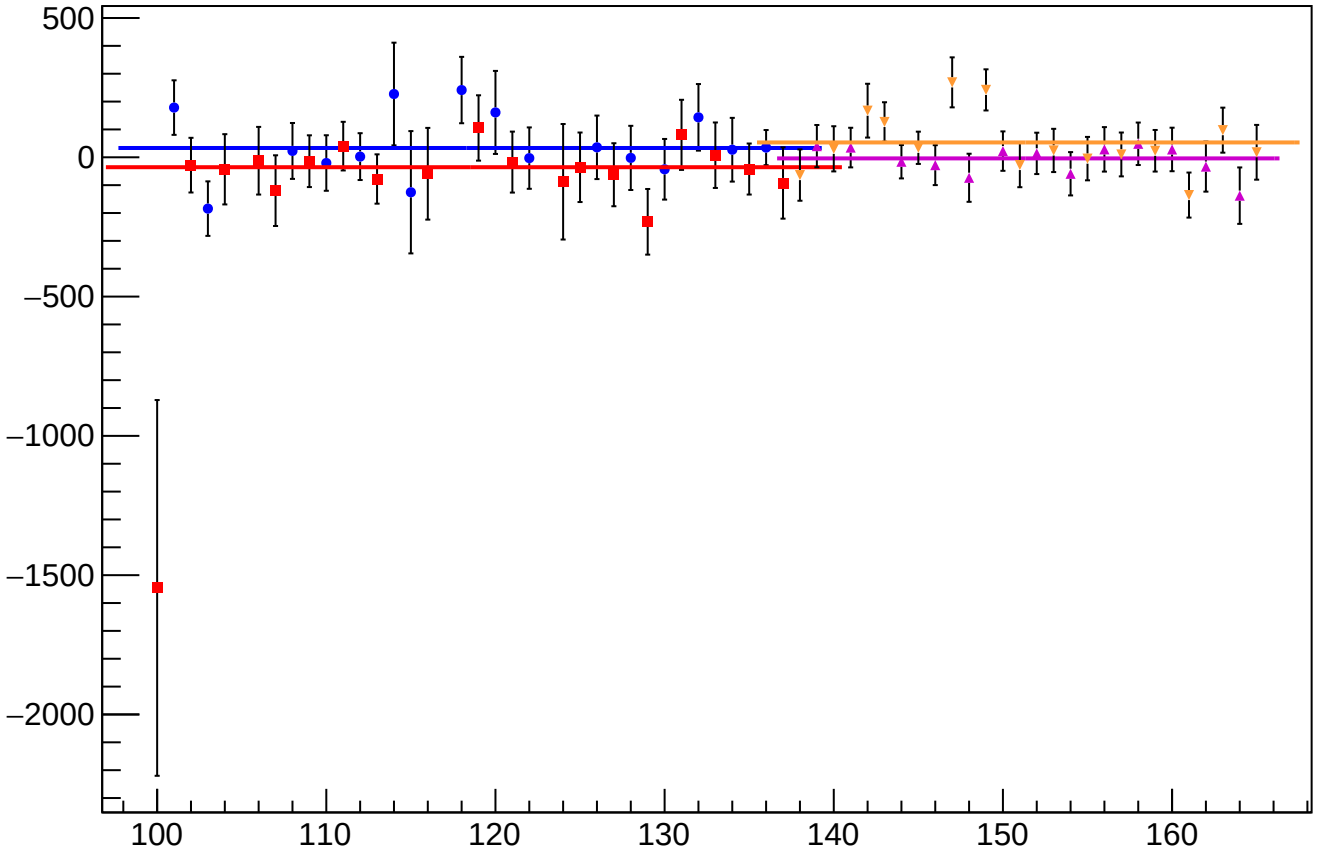
Left: 354.636+/-0.053 χ^2/NDF: 740059.1/27

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.464+/-0.059 χ^2/NDF:2072984.6/28

Out: 337.121+/-0.056 χ^2/NDF:2388795.8/33

All: 340.156+/-0.041 χ^2/NDF: 4467838.0/62



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 53.312+/-20.324 χ^2/NDF:24.7/14

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -3.947+/-21.126 χ^2/NDF:4.8/12

Left: 25.791+/-14.647 χ^2/NDF: 33.3/27

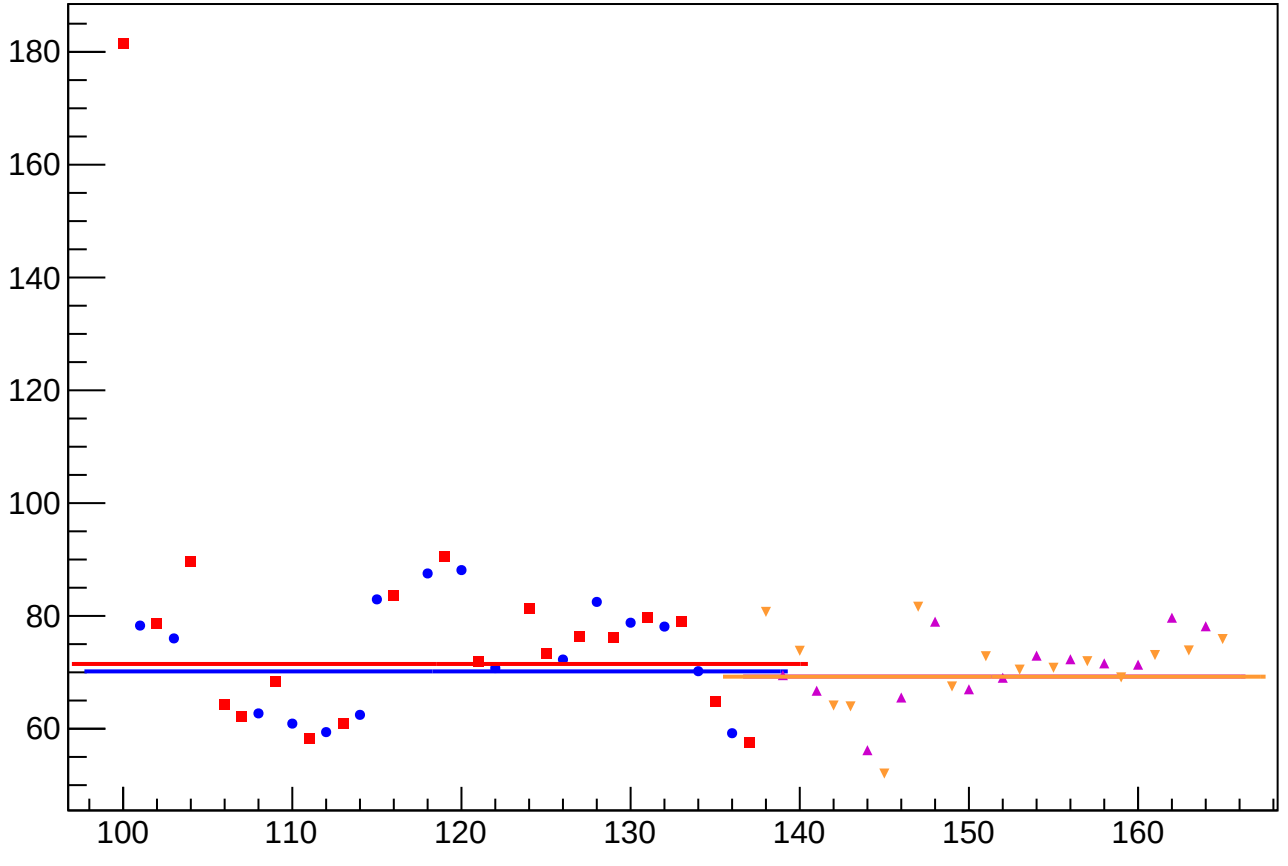
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 10.622+/-16.498 χ^2/NDF:20.6/28

Out: 20.449+/-16.135 χ^2/NDF:43.8/33

All: 15.645+/-11.536 χ^2/NDF: 64.6/62

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.229+/-0.014 χ^2/NDF:297624.7/14

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.255+/-0.015 χ^2/NDF:183702.6/12

Left: 69.242+/-0.010 χ^2/NDF: 481328.9/27

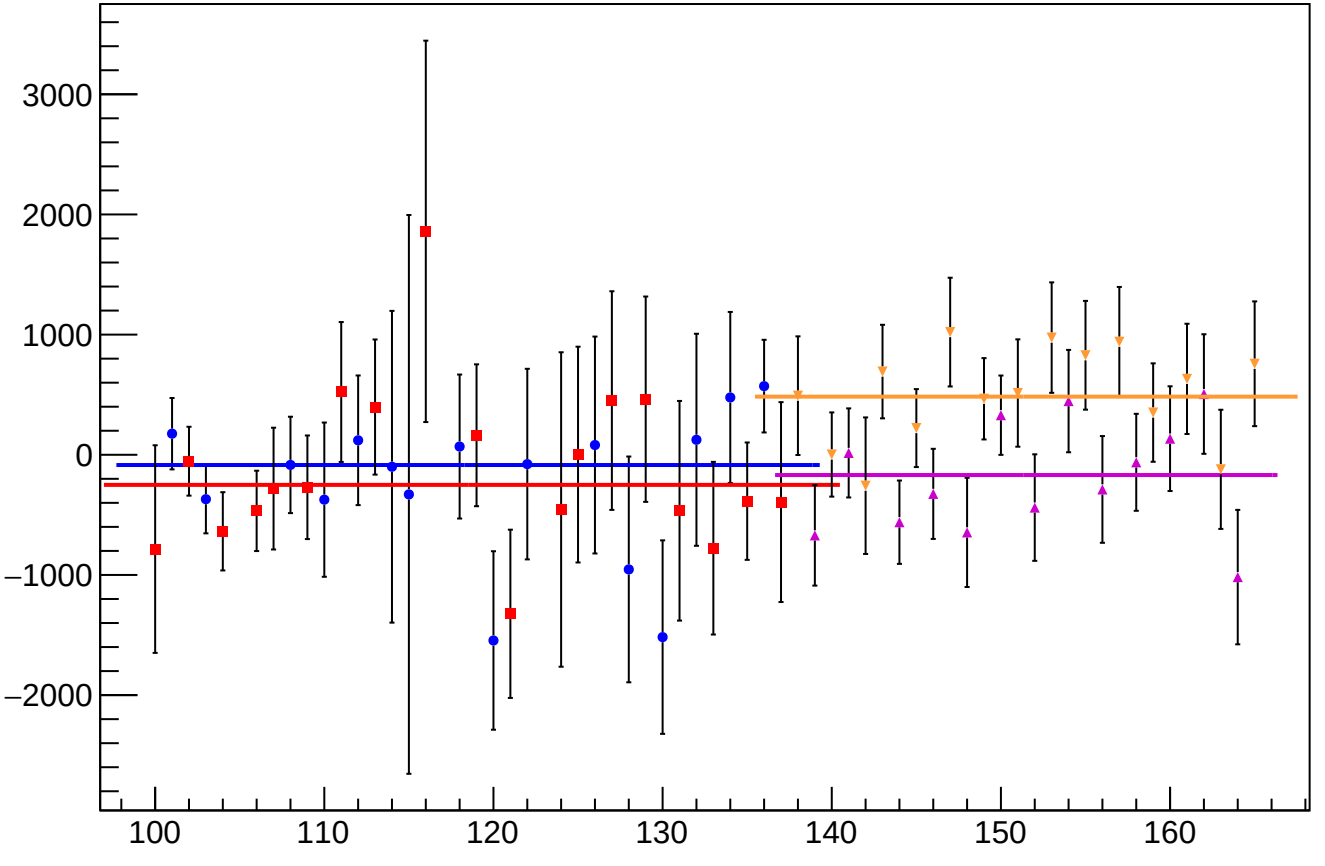
Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.611+/-0.012 χ^2/NDF:454407.0/28

Out: 70.063+/-0.011 χ^2/NDF:632431.8/33

All: 69.842+/-0.008 χ^2/NDF: 1087604.9/62

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 483.771+/-109.769 χ^2/NDF:10.6/14

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -168.479+/-114.131 χ^2/NDF:13.8/12

Left: 170.350+/-79.116 χ^2/NDF: 41.4/27

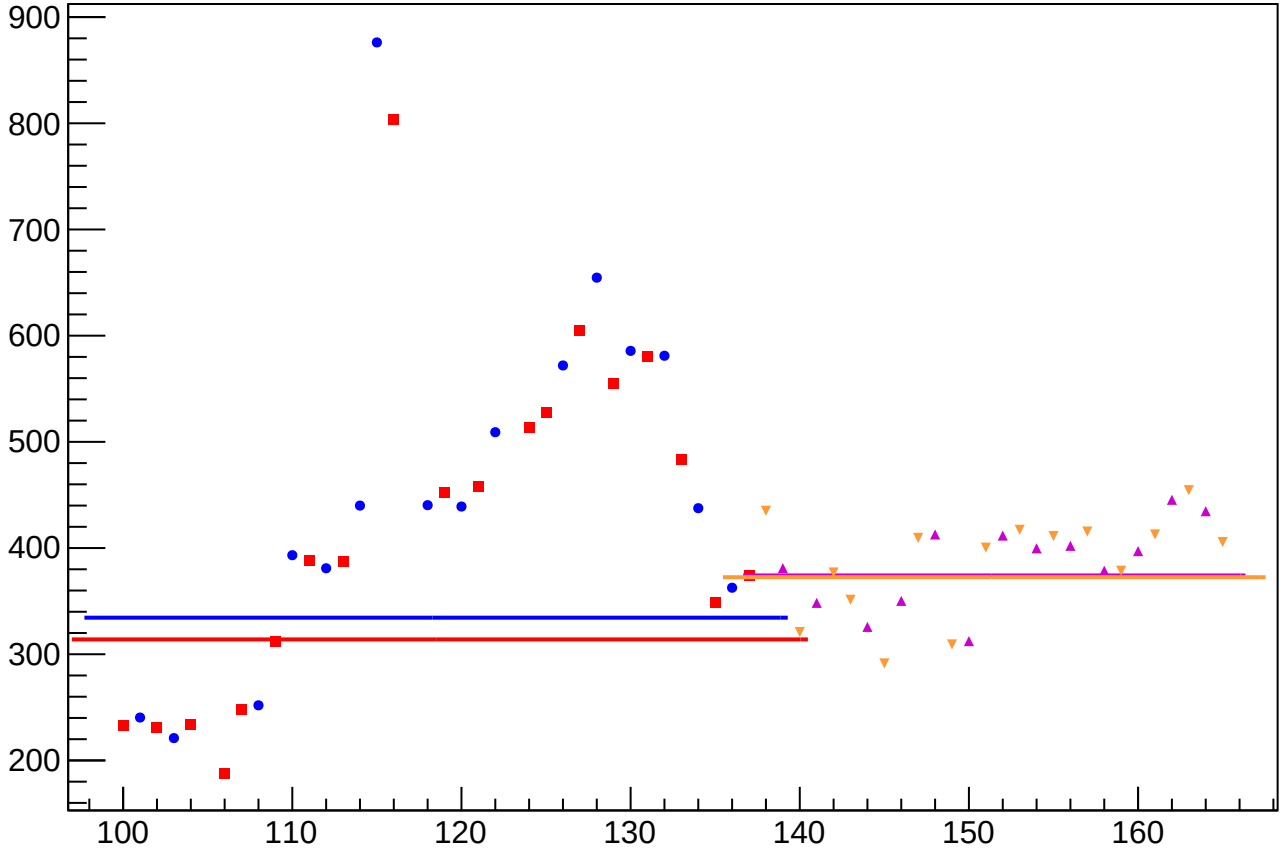
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -133.117+/-86.579 χ^2/NDF:27.7/28

Out: 159.152+/-81.987 χ^2/NDF:42.9/33

All: 20.973+/-59.531 χ^2/NDF: 76.6/62

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: 372.509+/-0.078 χ^2/NDF:427972.3/14

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 374.217+/-0.081 χ^2/NDF:241666.3/12

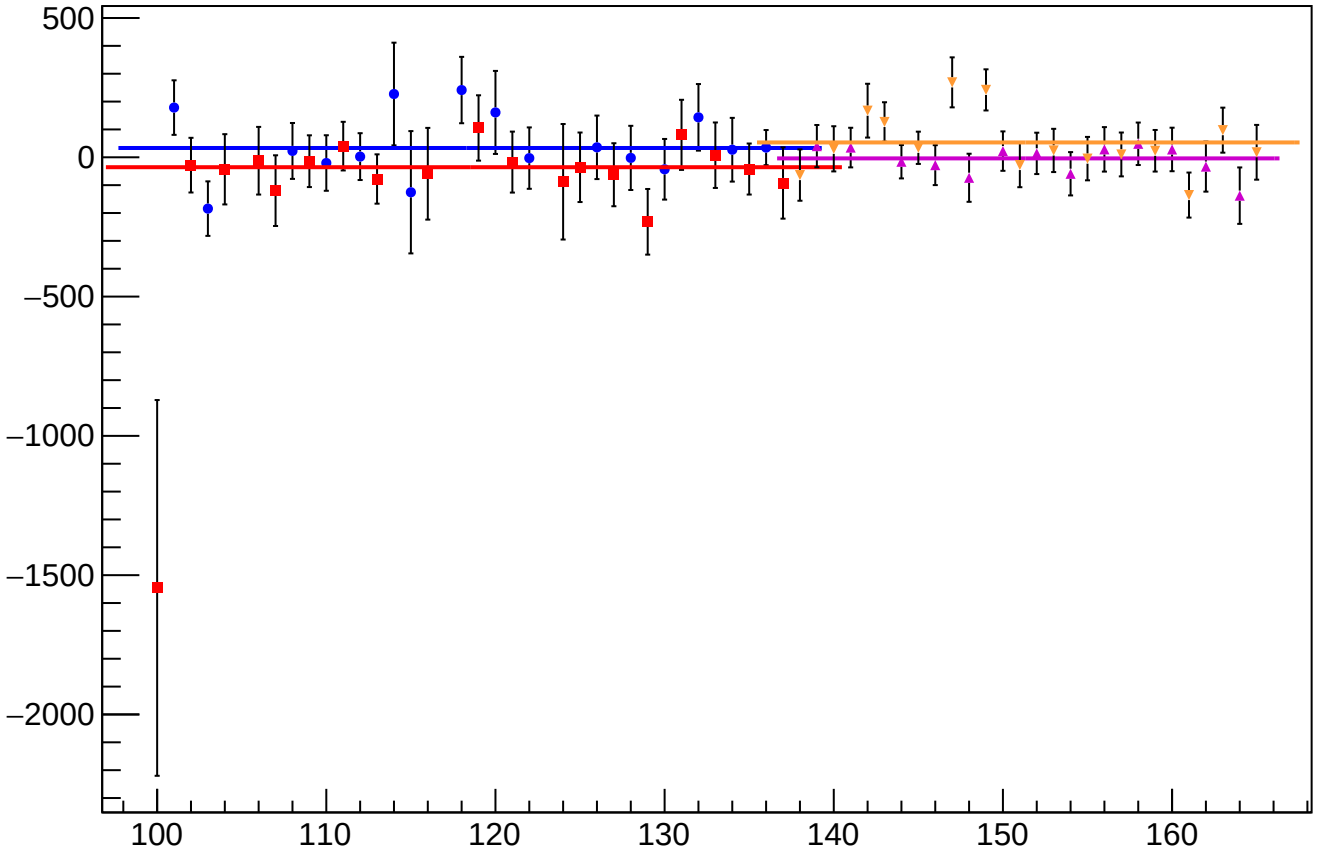
Left: 373.330+/-0.056 χ^2/NDF: 669871.4/27

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.326+/-0.061 χ^2/NDF:2075458.8/28

Out: 346.627+/-0.058 χ^2/NDF:2584053.3/33

All: 351.685+/-0.042 χ^2/NDF: 4675613.1/62



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 53.312+/-20.324 χ^2/NDF:24.7/14

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -3.947+/-21.126 χ^2/NDF:4.8/12

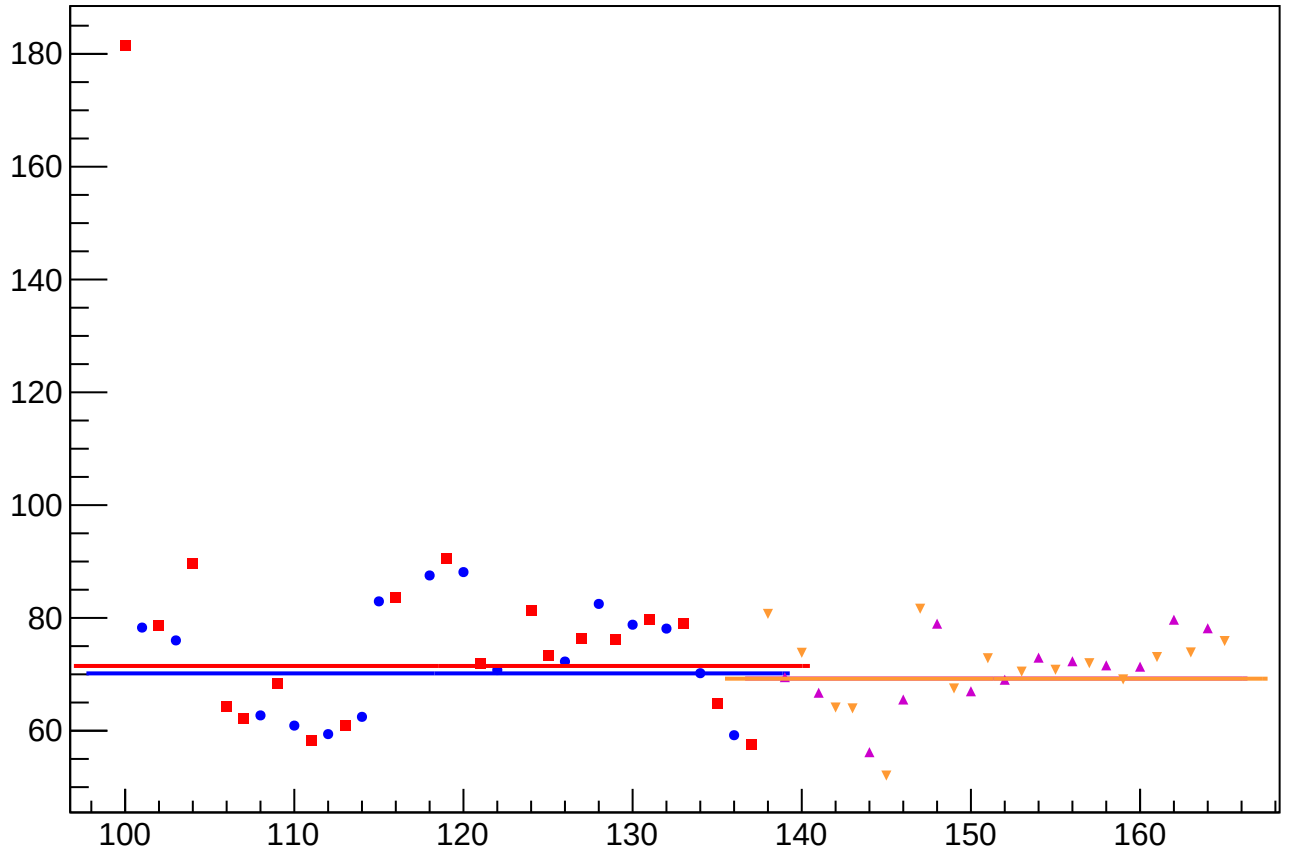
Left: 25.791+/-14.647 χ^2/NDF: 33.3/27

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 10.622+/-16.498 χ^2/NDF:20.6/28

Out: 20.448+/-16.135 χ^2/NDF:43.8/33

All: 15.644+/-11.536 χ^2/NDF: 64.6/62



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.229+/-0.014 χ^2/NDF:297630.9/14

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.255+/-0.015 χ^2/NDF:183704.7/12

Left: 69.242+/-0.010 χ^2/NDF: 481337.1/27

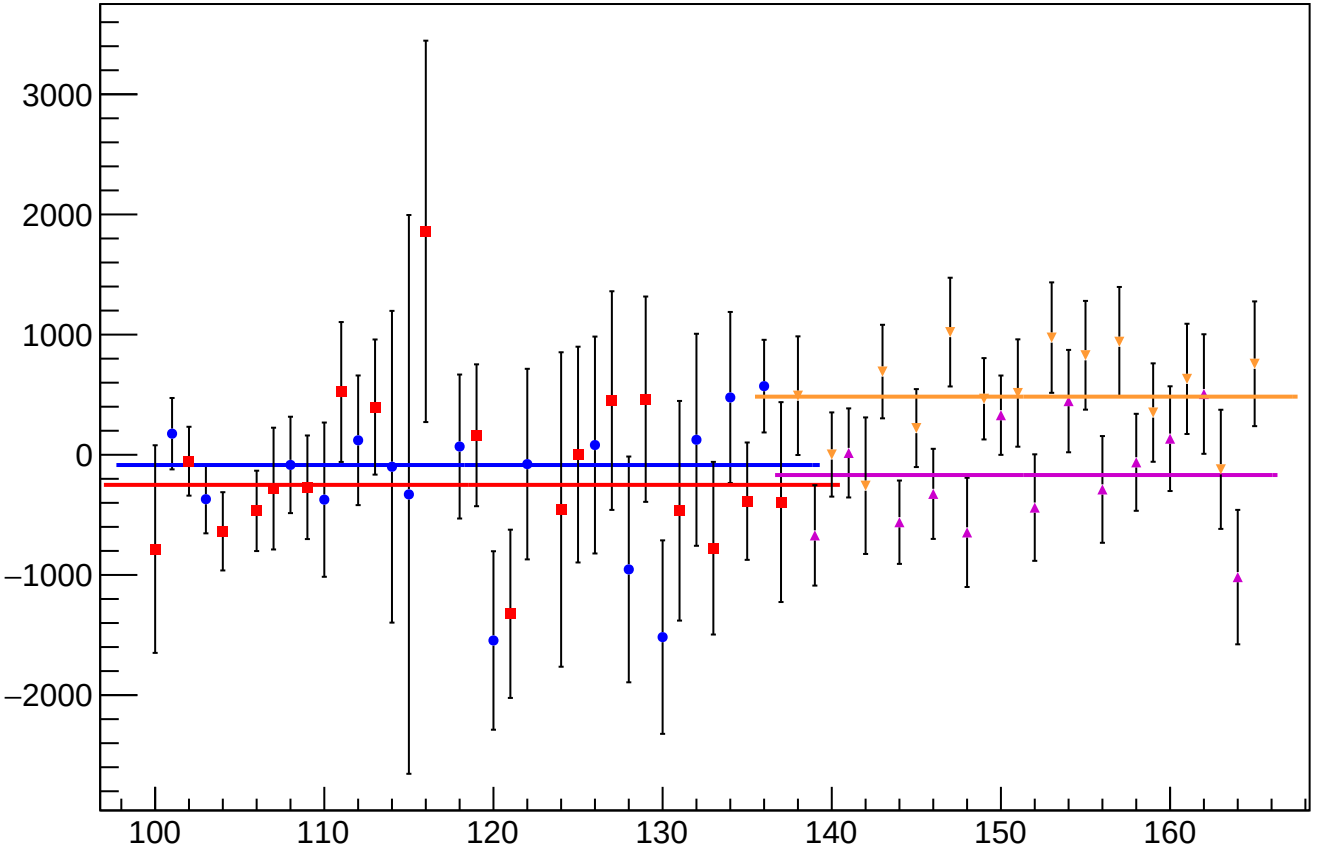
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.611+/-0.012 χ^2/NDF:454412.5/28

Out: 70.063+/-0.011 χ^2/NDF:632445.1/33

All: 69.842+/-0.008 χ^2/NDF: 1087623.7/62

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 483.770+/-109.769 χ^2/NDF:10.6/14

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -168.479+/-114.131 χ^2/NDF:13.8/12

Left: 170.349+/-79.116 χ^2/NDF: 41.4/27

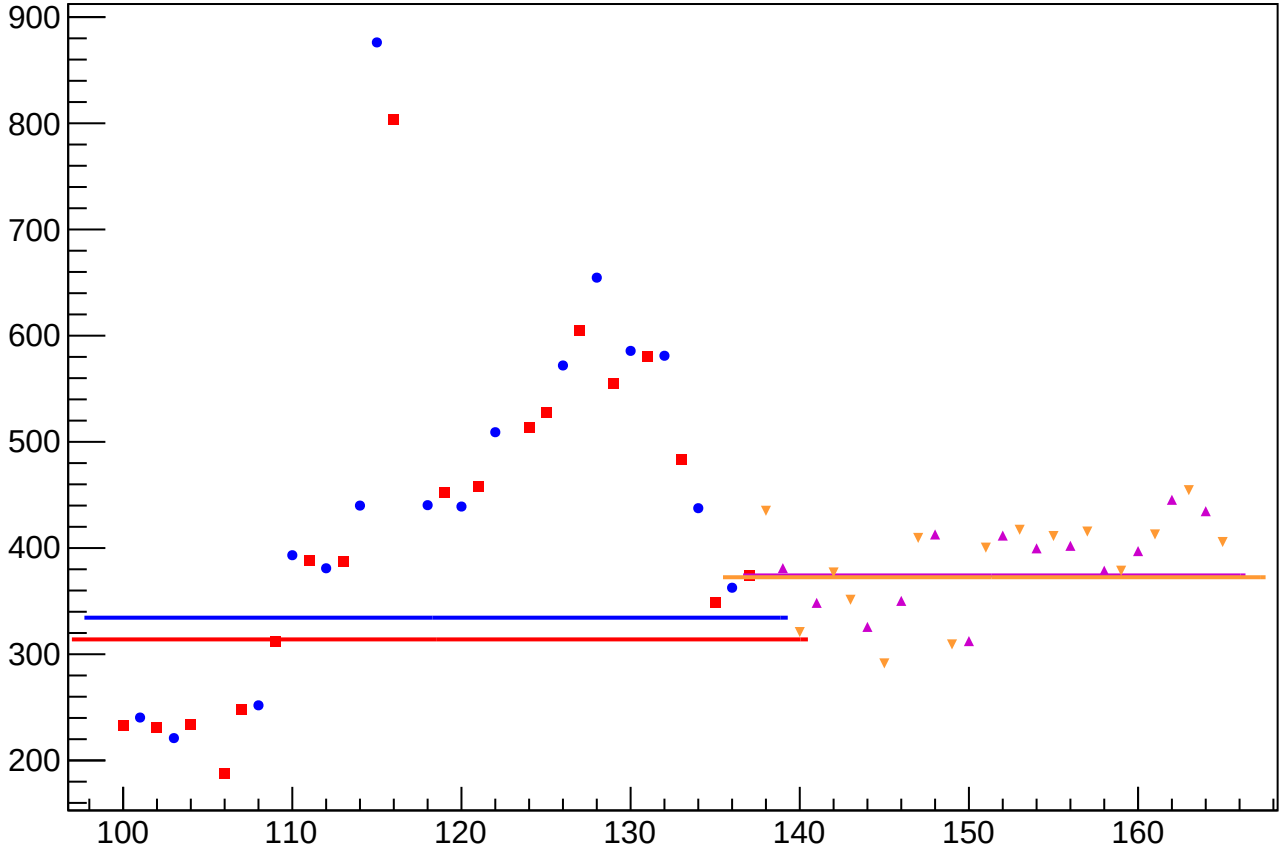
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -133.117+/-86.579 χ^2/NDF:27.7/28

Out: 159.152+/-81.987 χ^2/NDF:42.9/33

All: 20.973+/-59.531 χ^2/NDF: 76.6/62

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: 372.509+/-0.078 χ^2/NDF:427976.4/14

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 374.217+/-0.081 χ^2/NDF:241666.1/12

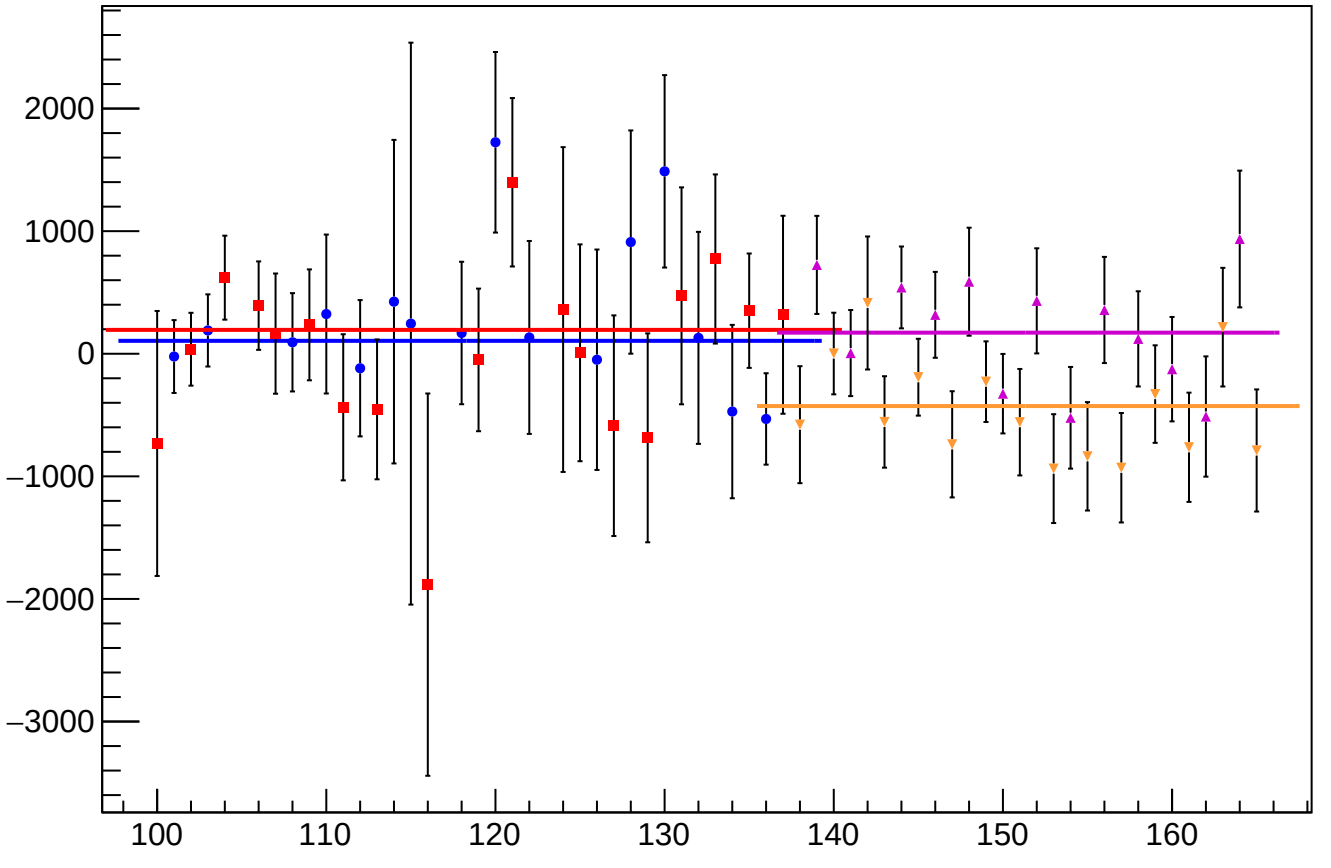
Left: 373.330+/-0.056 χ^2/NDF: 669875.3/27

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.326+/-0.061 χ^2/NDF:2075456.7/28

Out: 346.627+/-0.058 χ^2/NDF:2584054.7/33

All: 351.685+/-0.042 χ^2/NDF: 4675613.0/62



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -426.664+/-106.040 χ^2/NDF:12.2/14

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 172.084+/-110.258 χ^2/NDF:14.5/12

Left: -138.962+/-76.429 χ^2/NDF: 42.0/27

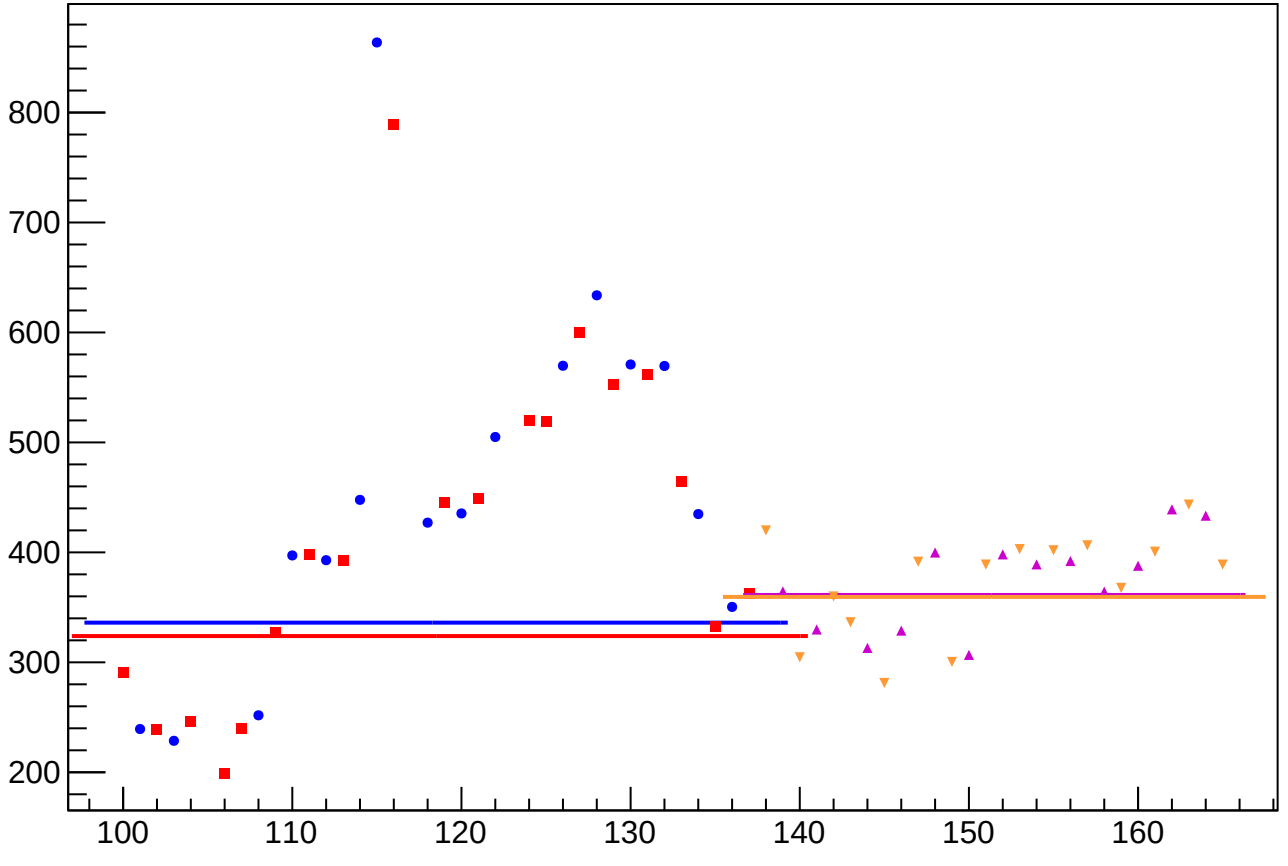
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 144.929+/-84.895 χ^2/NDF:27.6/28

Out: -169.509+/-81.185 χ^2/NDF:39.5/33

All: -19.310+/-58.674 χ^2/NDF: 74.3/62

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.490+/-0.075 χ^2/NDF:448311.1/14

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.255+/-0.078 χ^2/NDF:272418.9/12

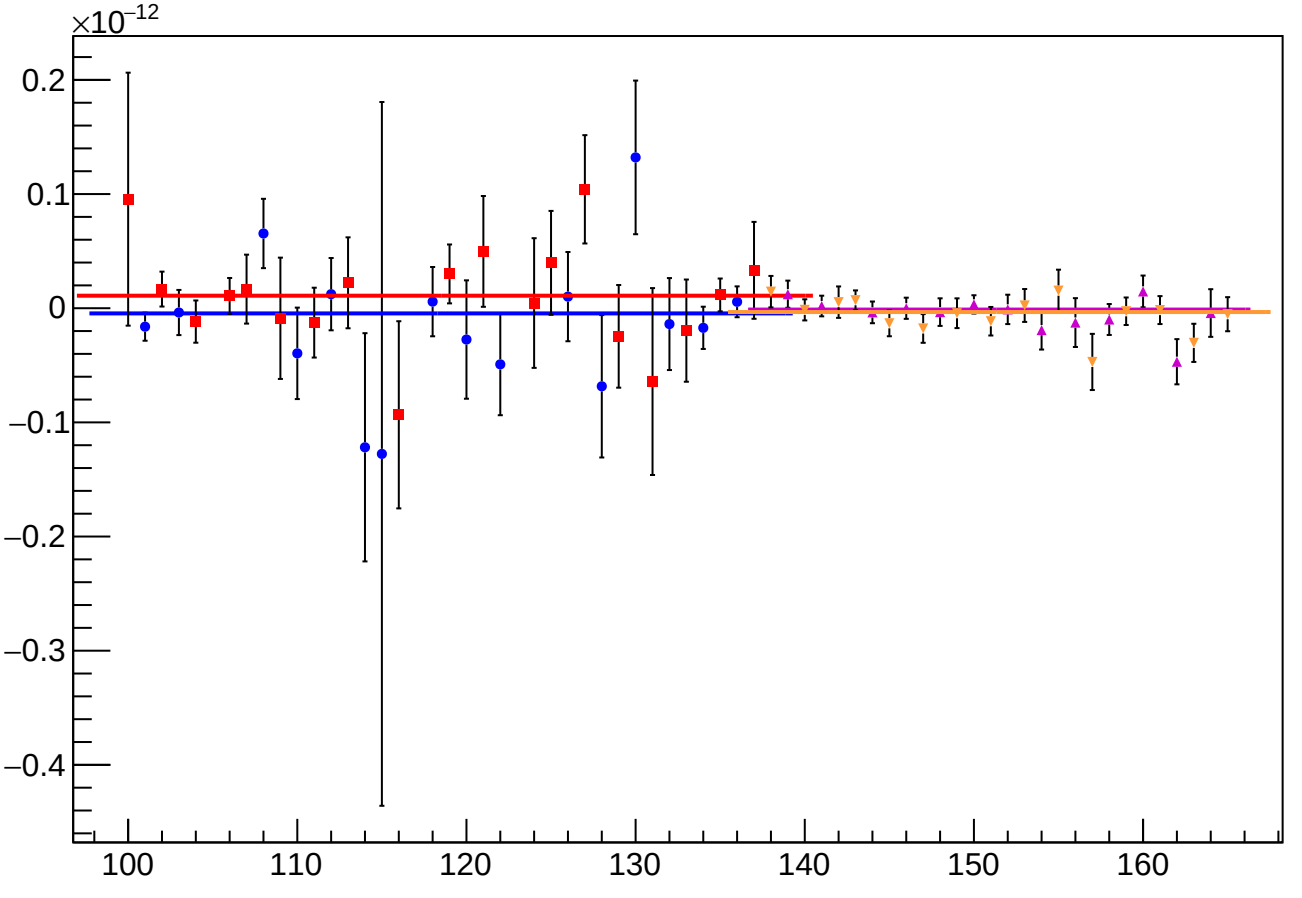
Left: 360.338+/-0.054 χ^2/NDF: 720996.3/27

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 351.010+/-0.060 χ^2/NDF:1933828.4/28

Out: 344.755+/-0.057 χ^2/NDF:2207044.6/33

All: 347.743+/-0.041 χ^2/NDF: 4146543.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/12

Left: -0.000+/-0.000 χ^2/NDF: 23.6/27

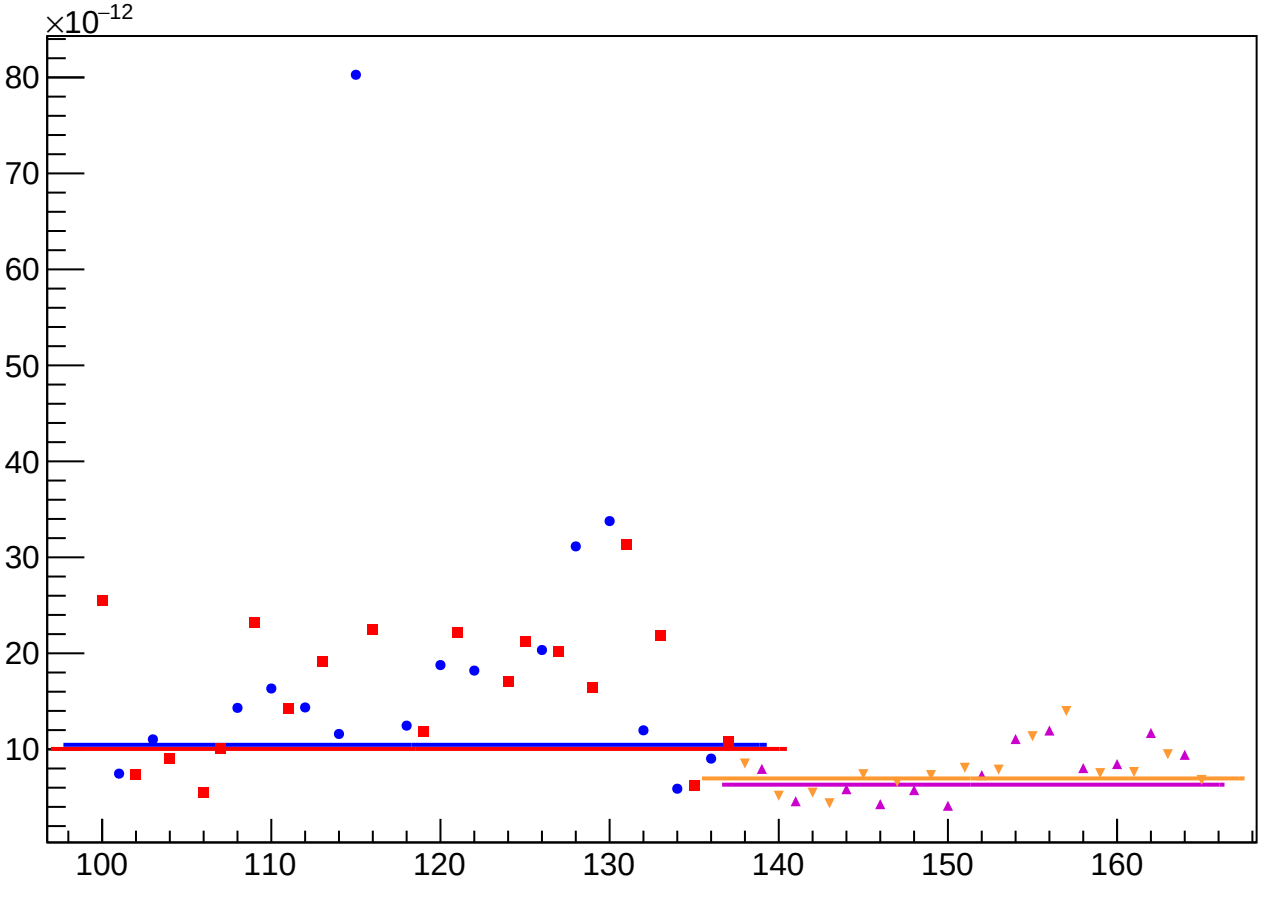
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:27.0/28

Out: -0.000+/-0.000 χ^2/NDF:29.4/33

All: -0.000+/-0.000 χ^2/NDF: 56.5/62

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:670224.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:945527.2/12

Left: 0.000+/-0.000 χ^2/NDF: 1654716.5/27

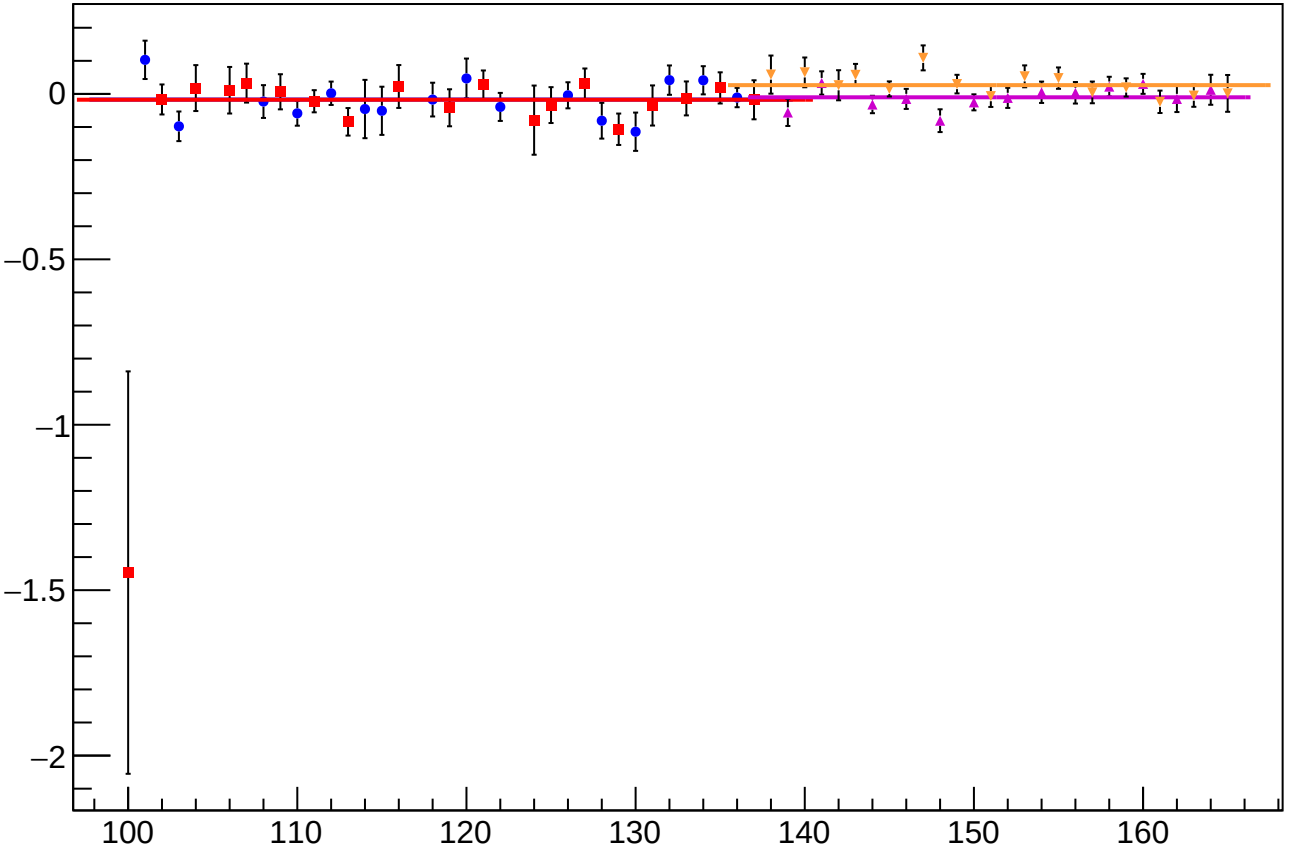
Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2786659.1/28

Out: 0.000+/-0.000 χ^2/NDF:2450577.0/33

All: 0.000+/-0.000 χ^2/NDF: 5257908.9/62

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

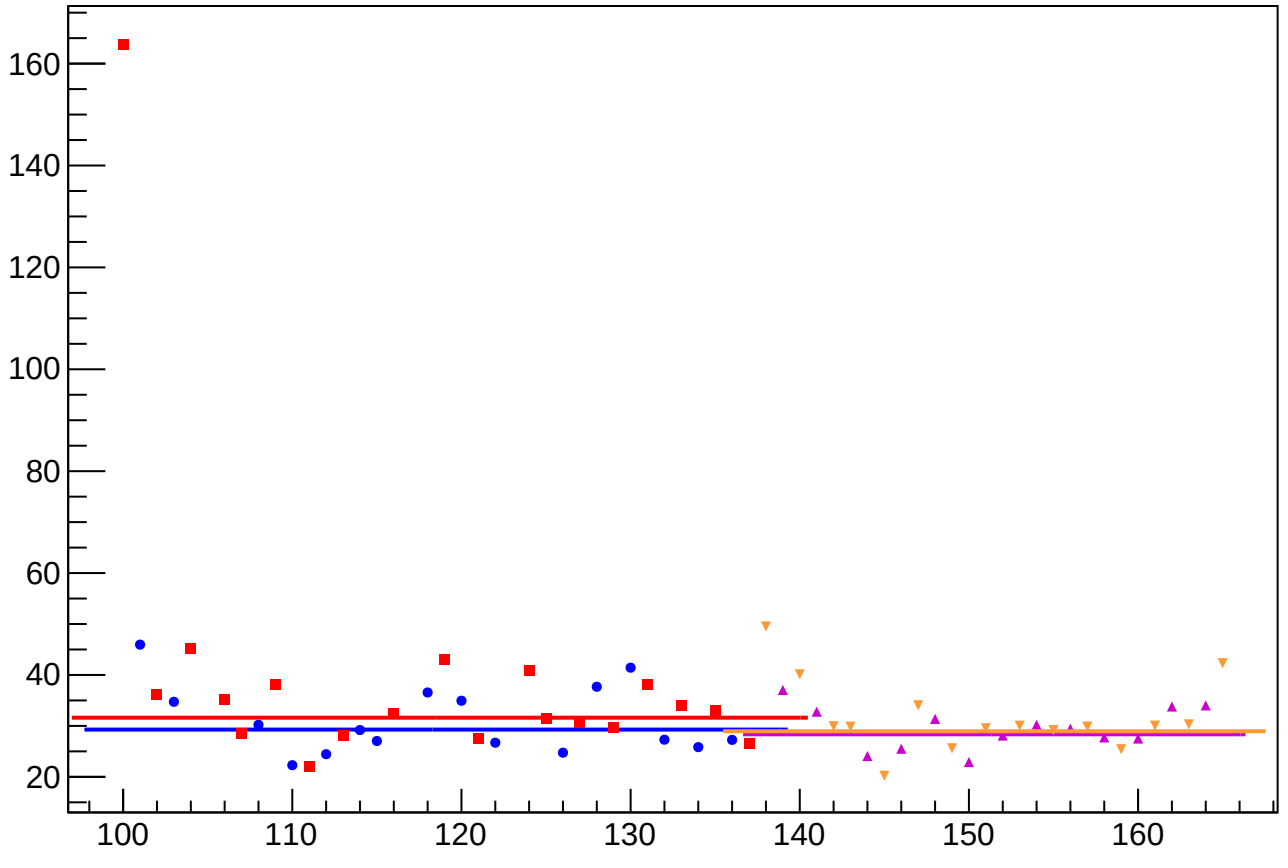
Left: 0.008+/-0.006 χ^2/NDF: 33.4/27

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 75.3/62



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.951+/-0.006 χ^2/NDF:895985.2/14

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

Left: 28.656+/-0.004 χ^2/NDF: 1289974.5/27

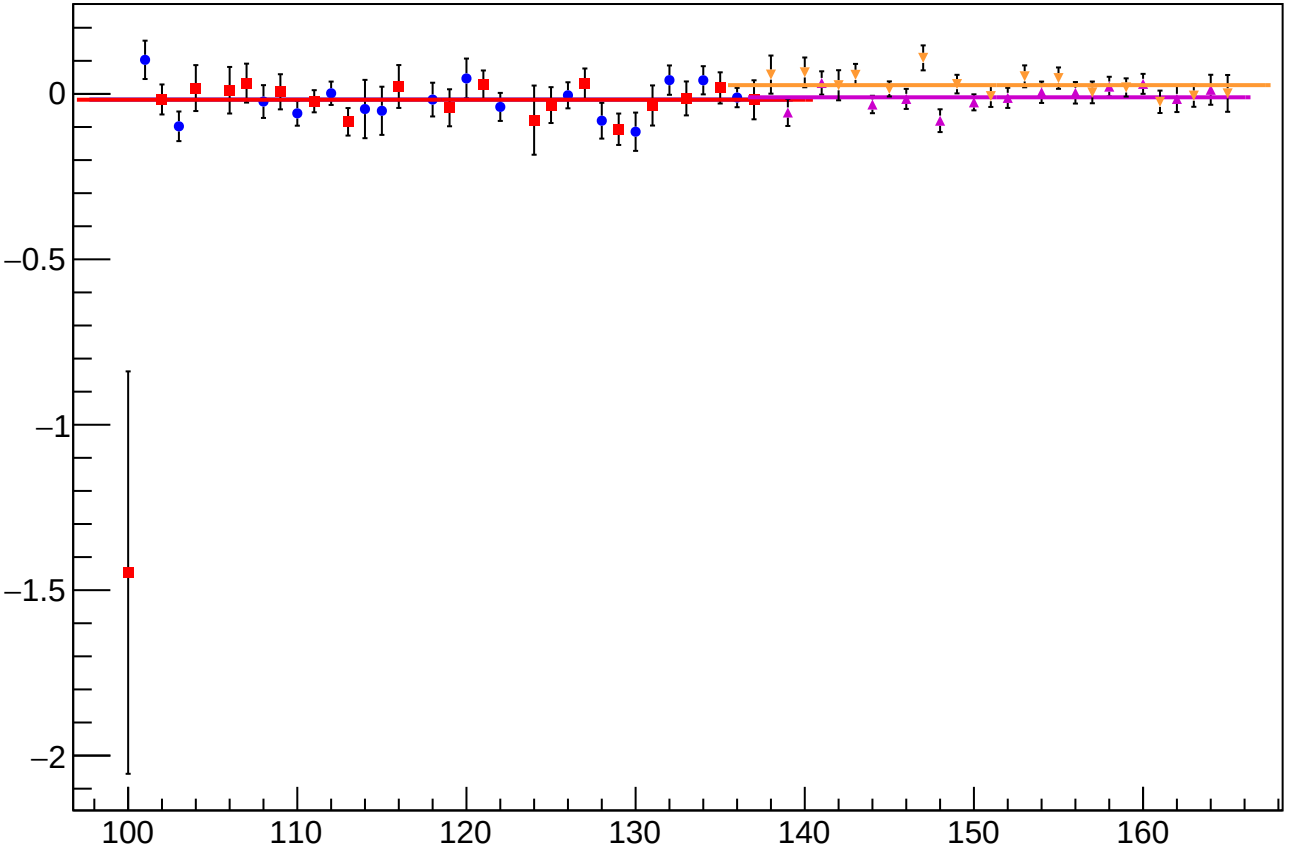
Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.702+/-0.005 χ^2/NDF:958269.7/28

Out: 29.859+/-0.005 χ^2/NDF:1531978.8/33

All: 29.272+/-0.004 χ^2/NDF: 2517430.2/62

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

Left: 0.008+/-0.006 χ^2/NDF: 33.4/27

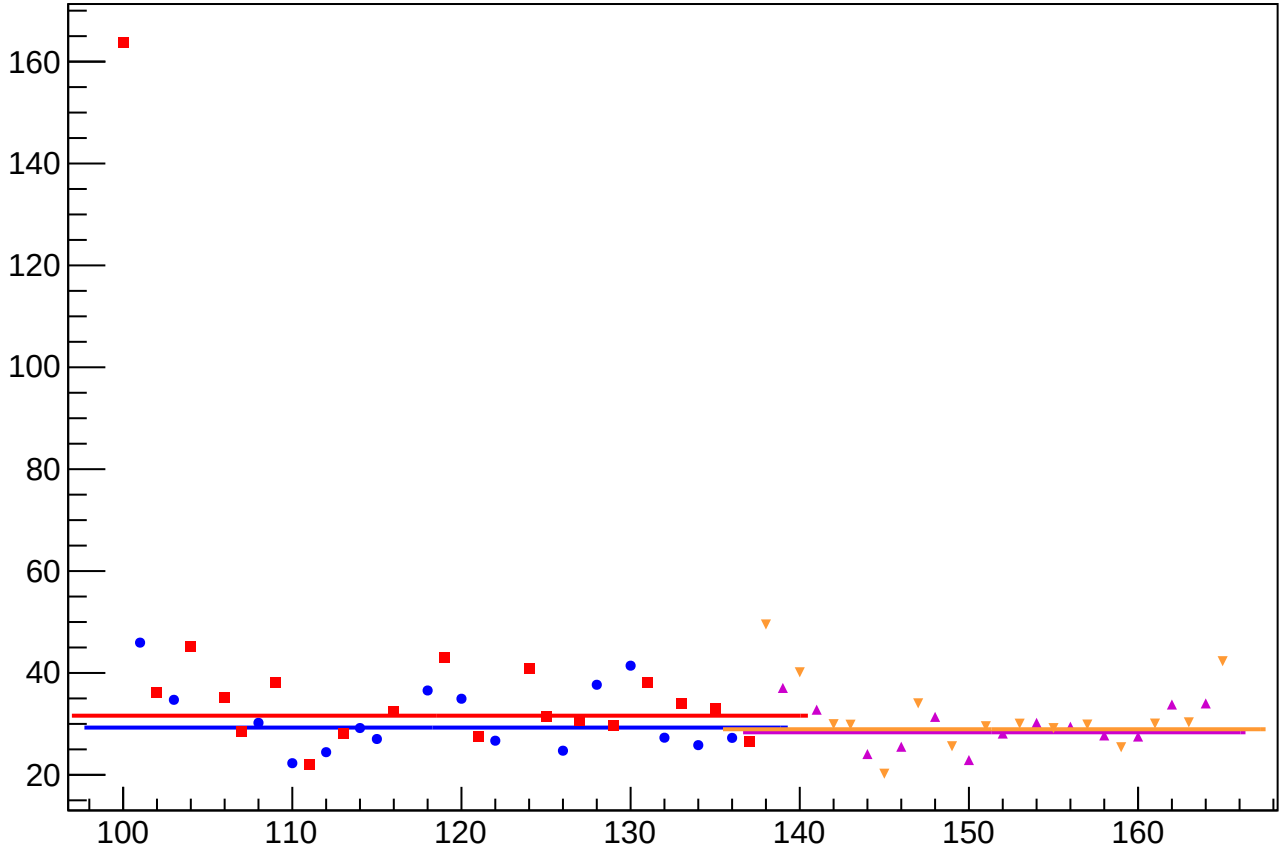
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 75.3/62

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: 28.951+/-0.006 χ^2/NDF:895985.2/14

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

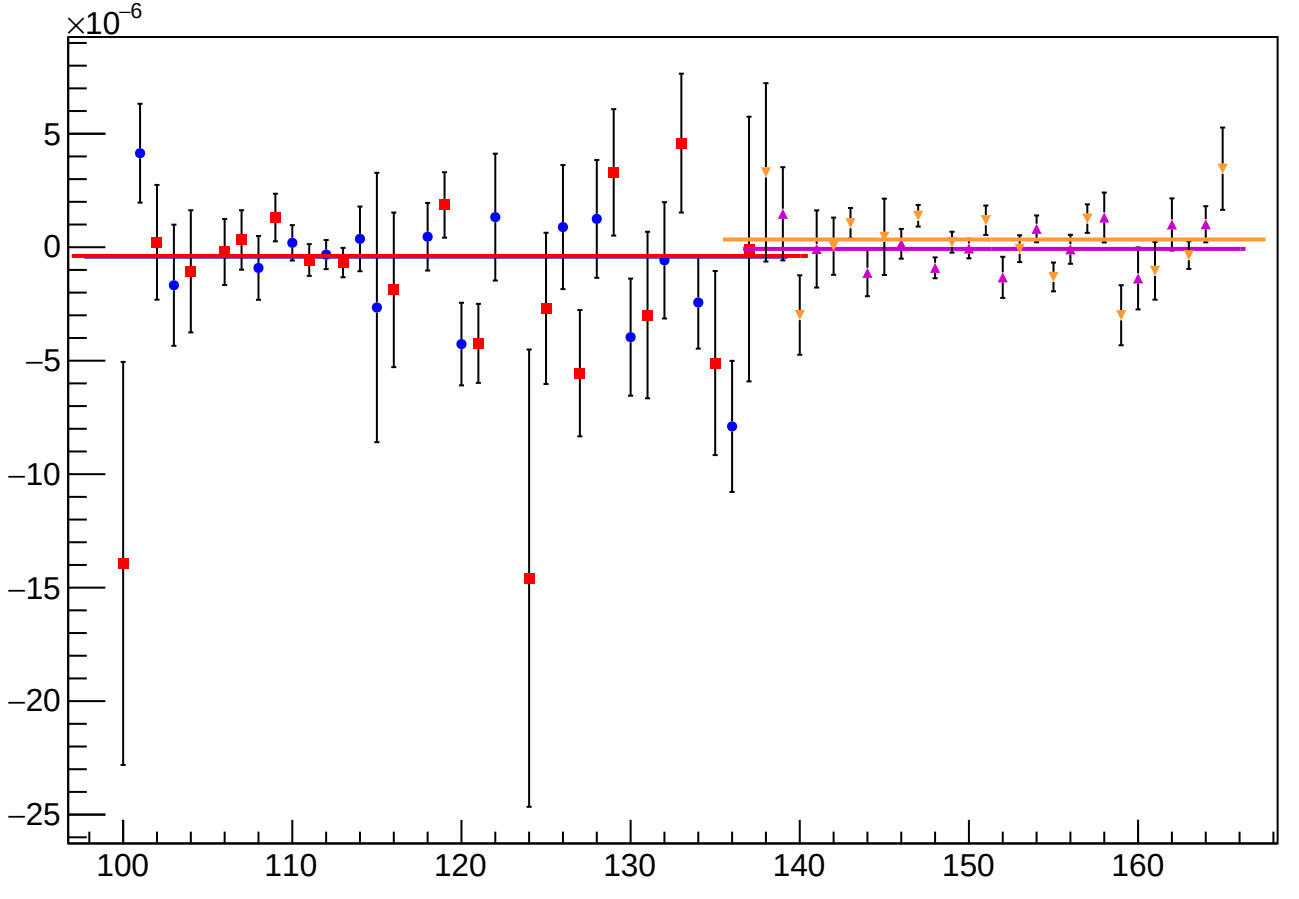
Left: 28.656+/-0.004 χ^2/NDF: 1289974.5/27

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.702+/-0.005 χ^2/NDF:958269.7/28

Out: 29.859+/-0.005 χ^2/NDF:1531978.8/33

All: 29.272+/-0.004 χ^2/NDF: 2517430.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/12

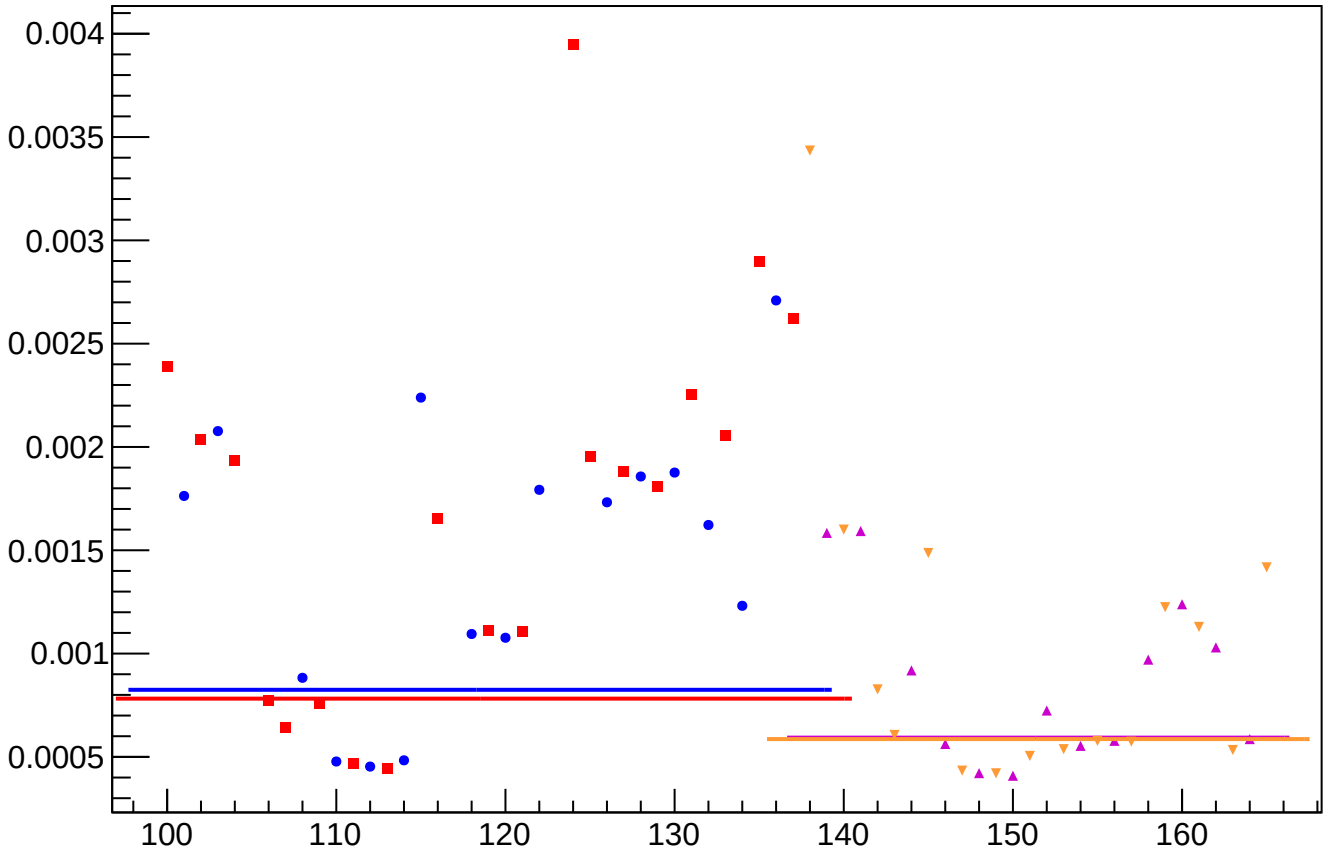
Left: 0.000+/-0.000 χ^2/NDF: 49.7/27

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:36.3/28

Out: 0.000+/-0.000 χ^2/NDF:61.7/33

All: 0.000+/-0.000 χ^2/NDF: 99.8/62



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4147023.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3028271.7/12

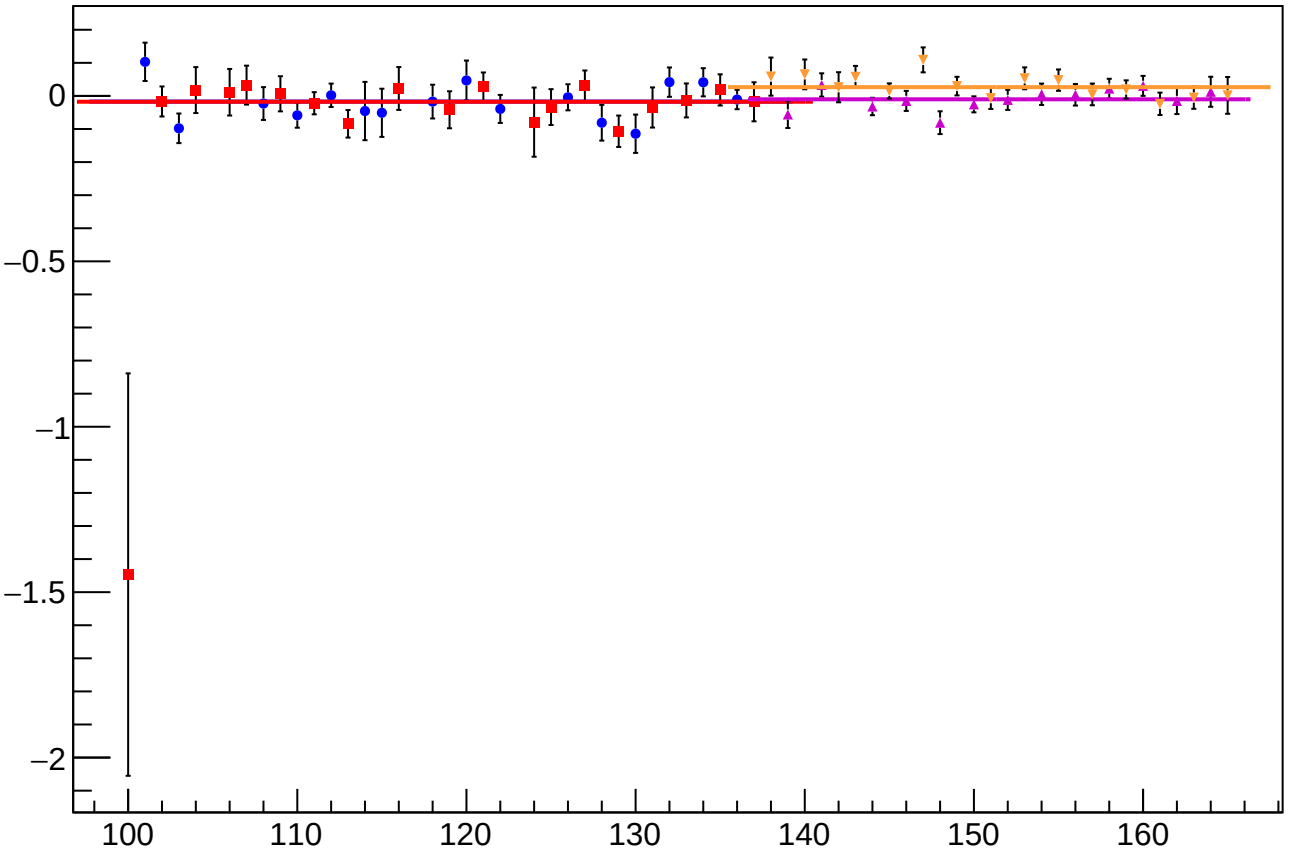
Left: 0.001+/-0.000 χ^2/NDF: 7176579.6/27

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:8076761.7/28

Out: 0.001+/-0.000 χ^2/NDF:9269758.9/33

All: 0.001+/-0.000 χ^2/NDF: 17354132.1/62



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

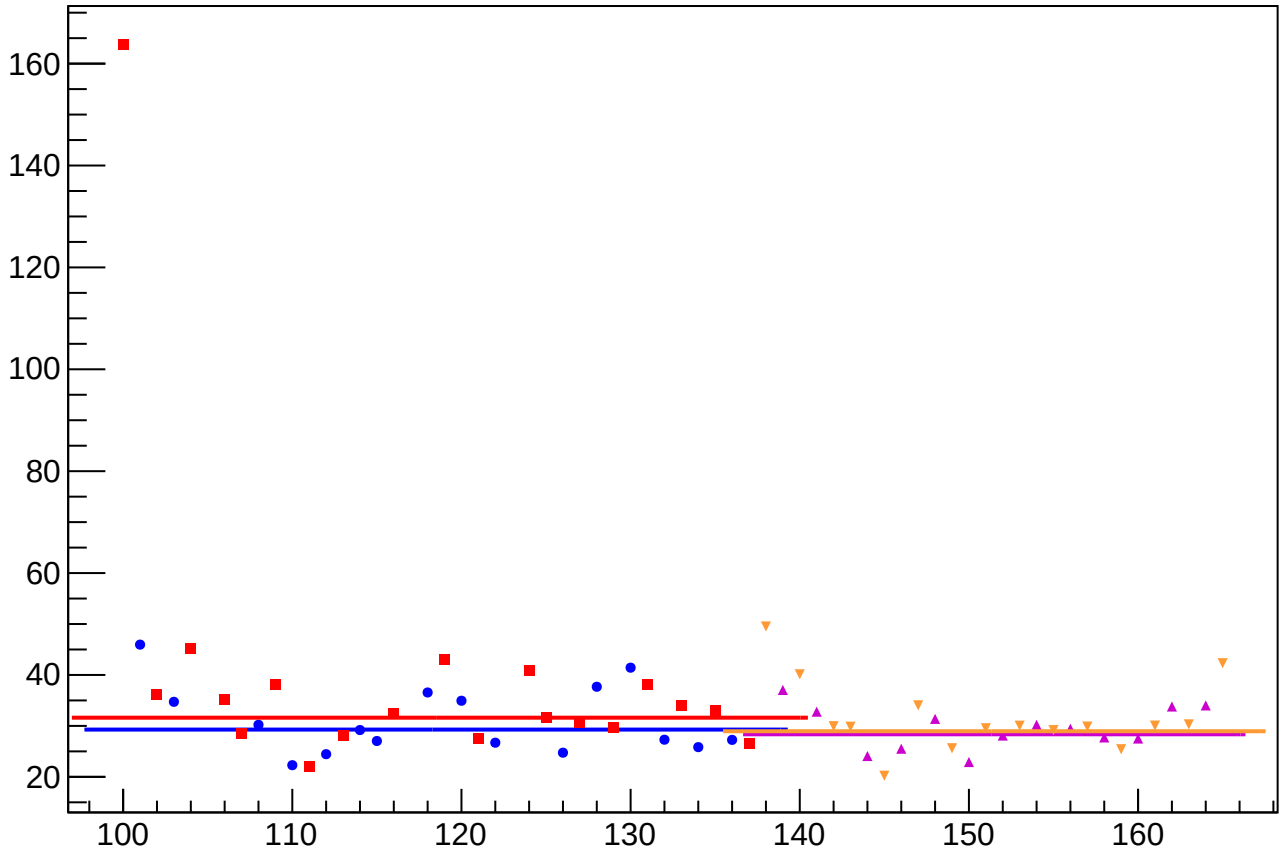
Left: 0.008+/-0.006 χ^2/NDF: 33.4/27

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 75.3/62



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.951+/-0.006 χ^2/NDF:896043.0/14

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

Left: 28.656+/-0.004 χ^2/NDF: 1290003.6/27

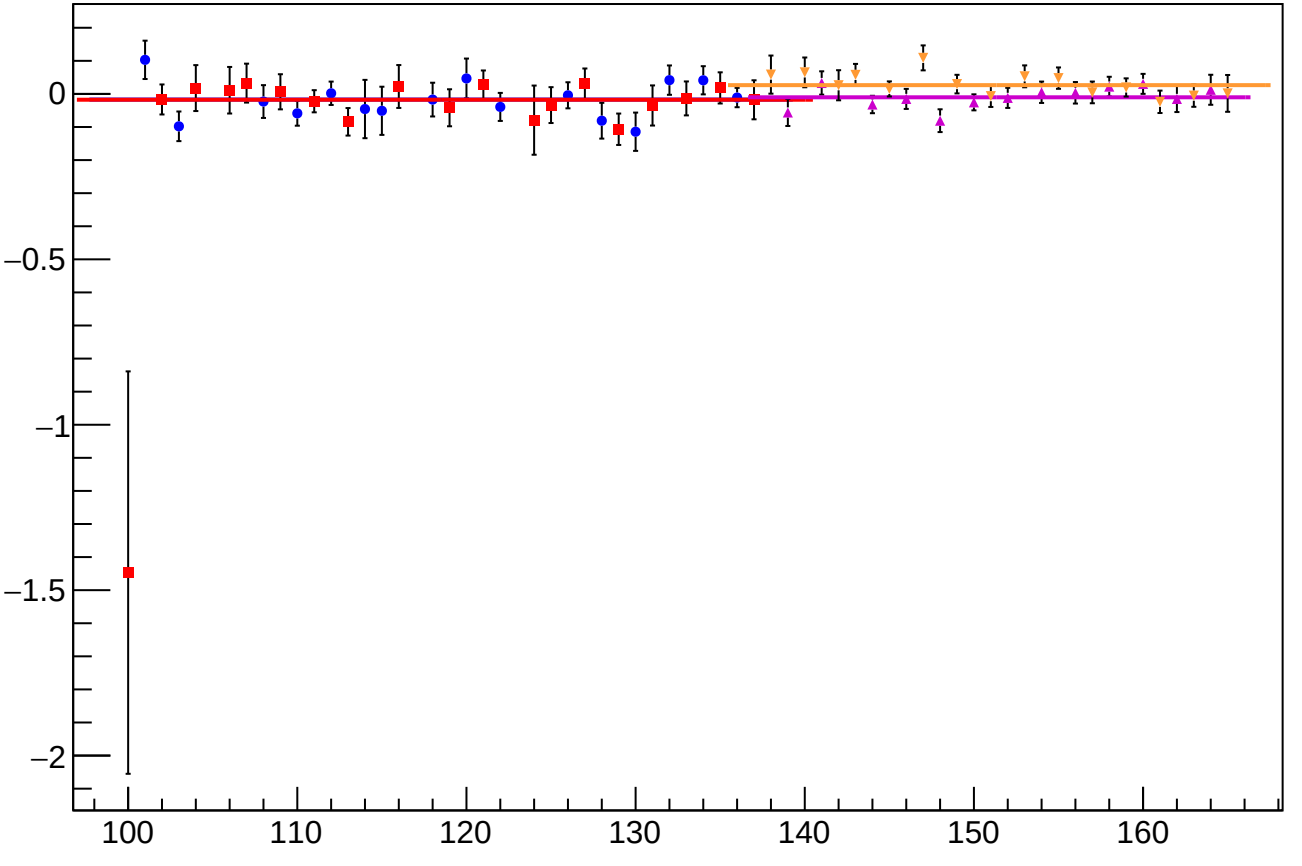
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.702+/-0.005 χ^2/NDF:958245.0/28

Out: 29.859+/-0.005 χ^2/NDF:1532053.3/33

All: 29.272+/-0.004 χ^2/NDF: 2517476.2/62

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

Left: 0.008+/-0.006 χ^2/NDF: 33.4/27

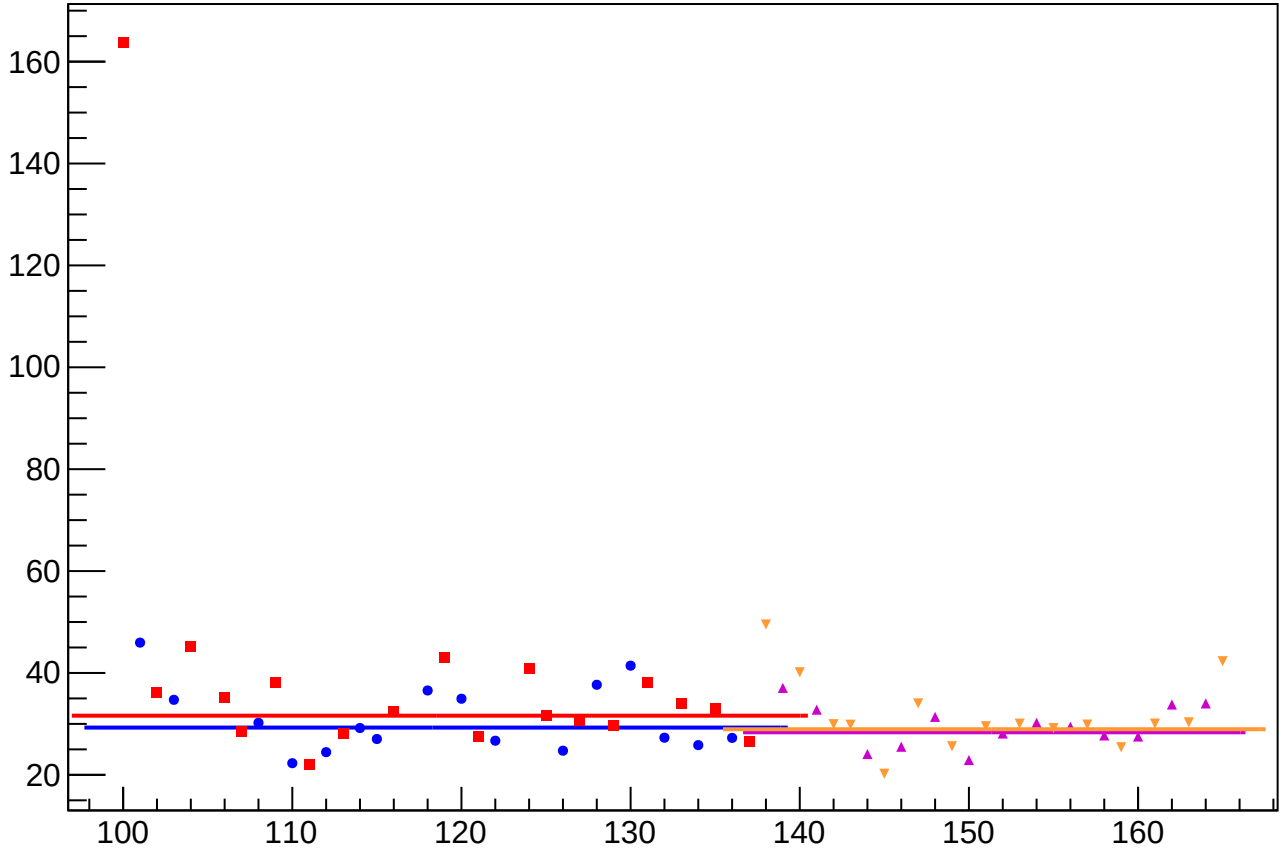
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 75.3/62

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: 28.951+/-0.006 χ^2/NDF:896043.0/14

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

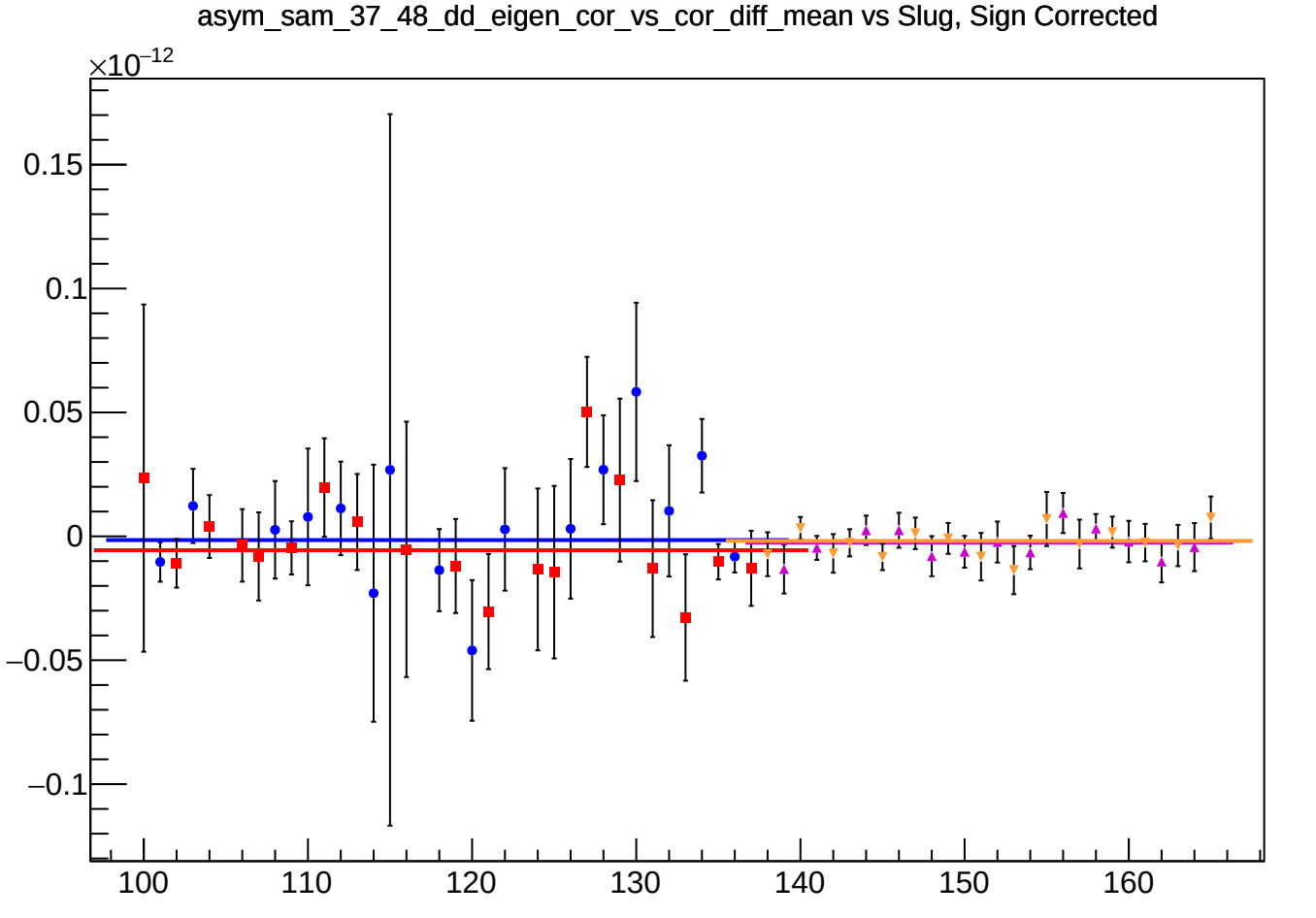
Left: 28.656+/-0.004 χ^2/NDF: 1290003.6/27

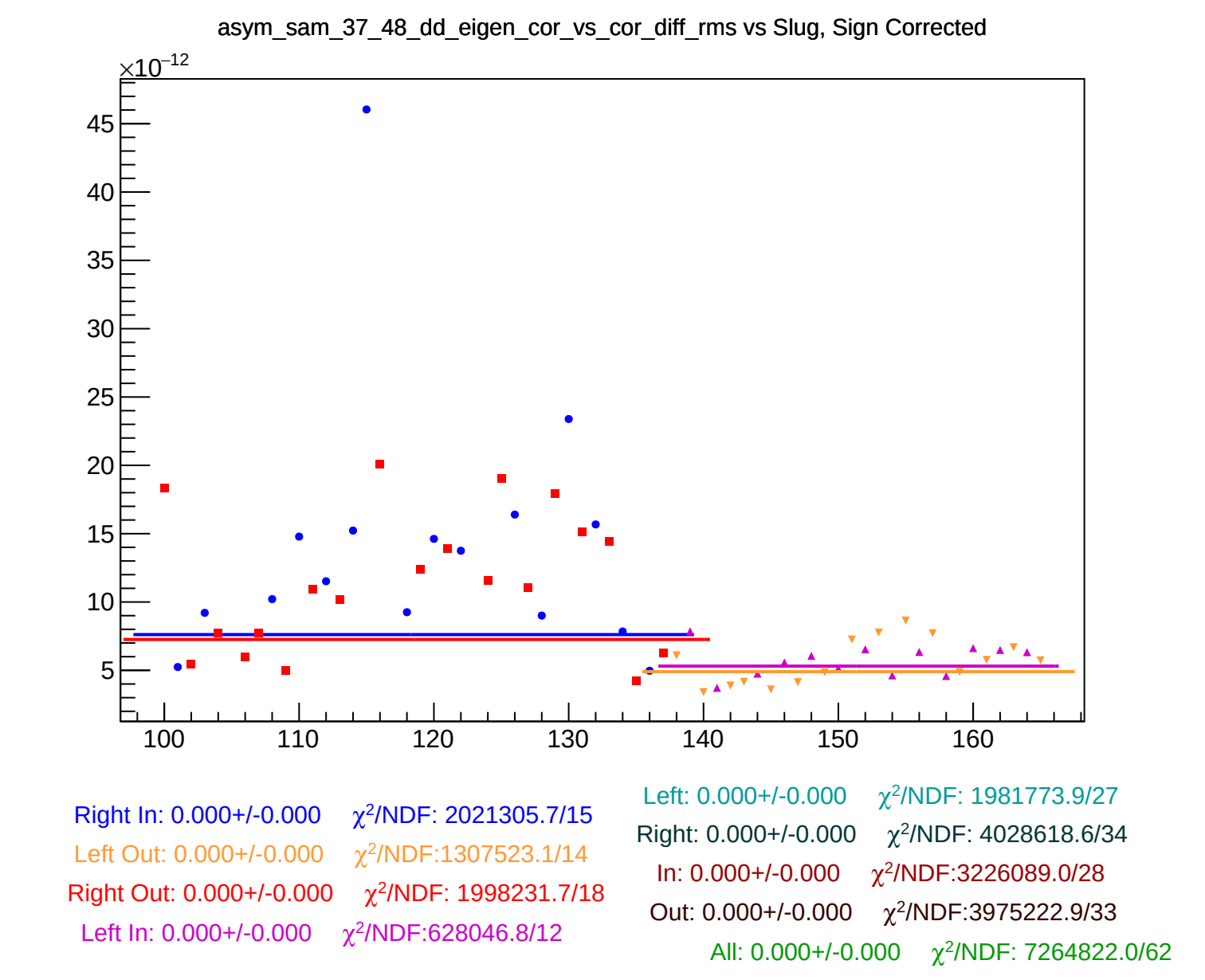
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

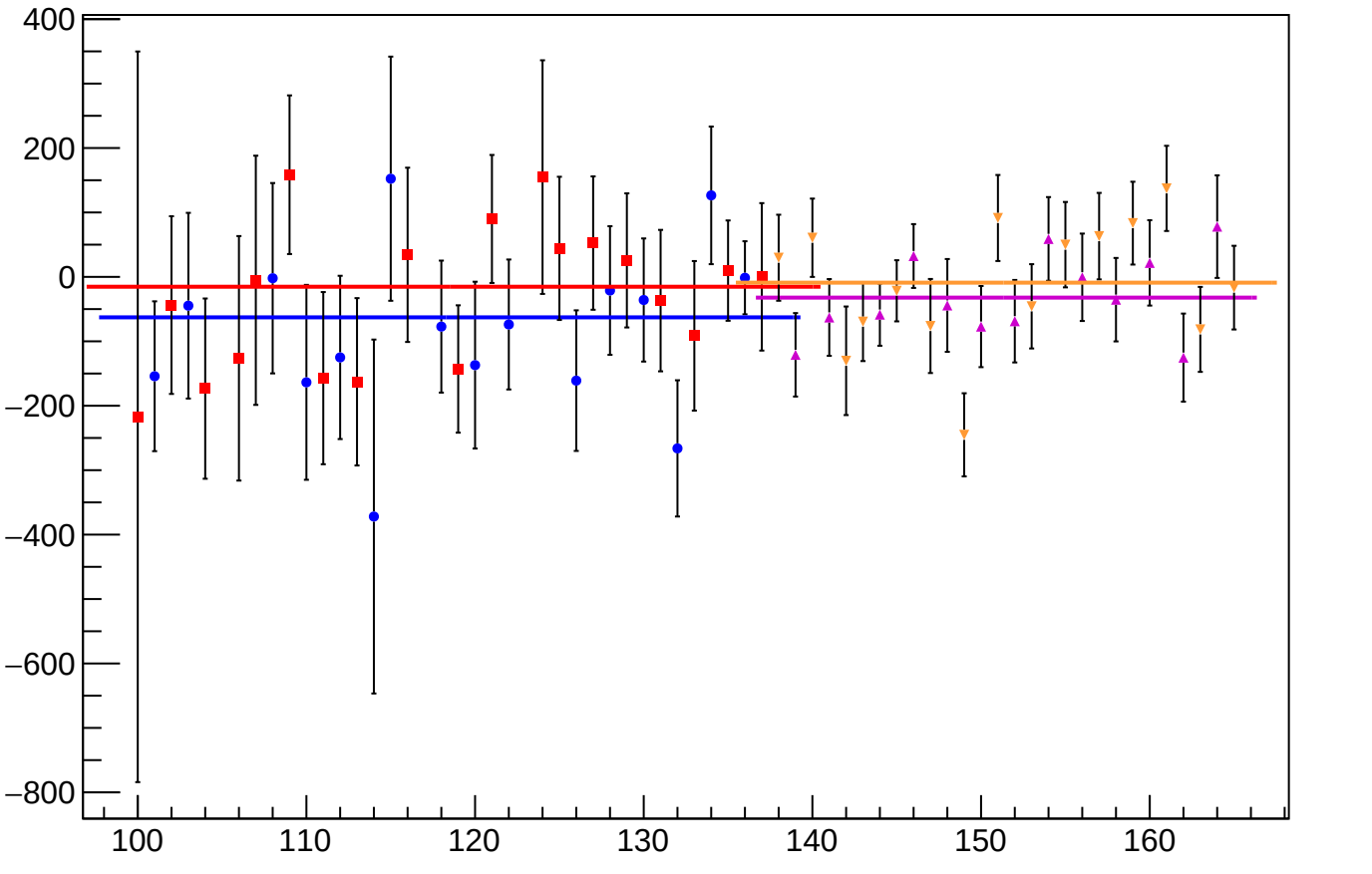
In: 28.702+/-0.005 χ^2/NDF:958245.0/28

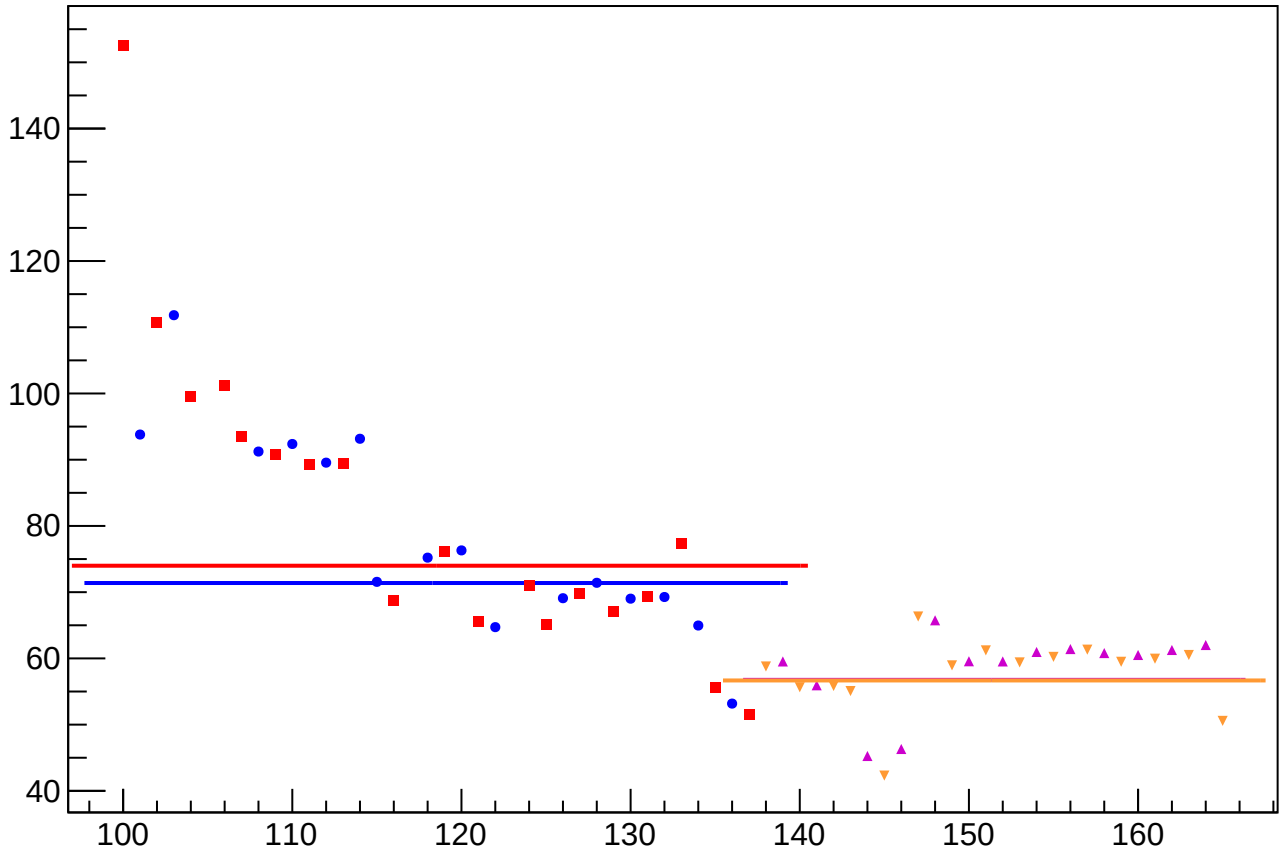
Out: 29.859+/-0.005 χ^2/NDF:1532053.3/33

All: 29.272+/-0.004 χ^2/NDF: 2517476.2/62


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
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:8.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:7.7/12
Left: -0.000+/-0.000 χ²/NDF: 15.8/27
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:24.7/28
Out: -0.000+/-0.000 χ²/NDF:22.2/33
All: -0.000+/-0.000 χ²/NDF: 46.9/62


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1307523.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:628046.8/12
Left: 0.000+/-0.000 χ²/NDF: 1981773.9/27
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:3226089.0/28
Out: 0.000+/-0.000 χ²/NDF:3975222.9/33
All: 0.000+/-0.000 χ²/NDF: 7264822.0/62


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -62.798+/-27.213 χ²/NDF: 13.5/15
Left Out: -8.958+/-16.617 χ²/NDF:31.7/14
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -32.181+/-17.311 χ²/NDF:11.6/12
Left: -20.094+/-11.988 χ²/NDF: 44.3/27
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -41.001+/-14.606 χ²/NDF:26.0/28
Out: -10.627+/-14.259 χ²/NDF:43.2/33
All: -25.449+/-10.203 χ²/NDF: 71.5/62



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

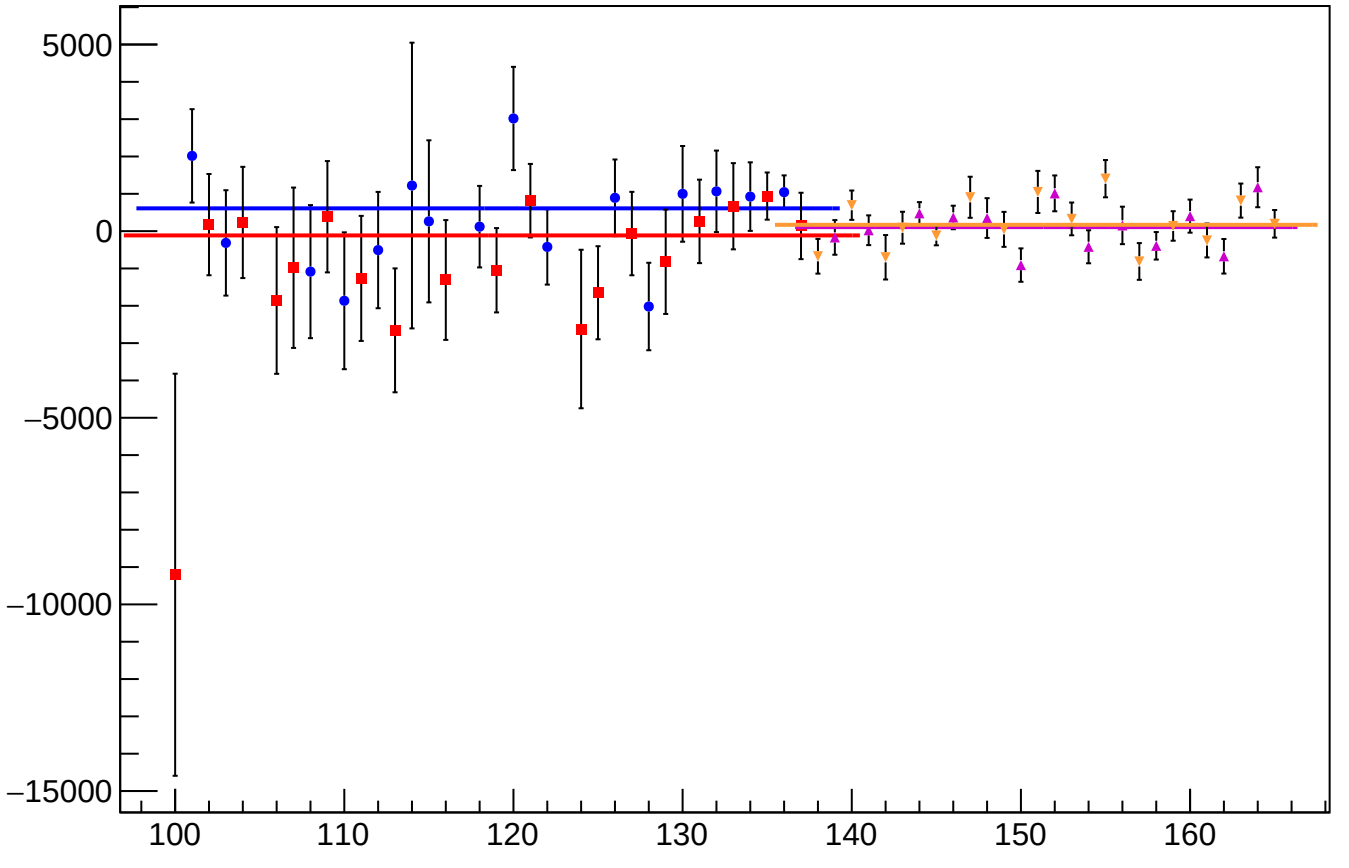
Left: 56.714+/-0.008 χ^2/NDF: 580676.1/27

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.974+/-0.010 χ^2/NDF:1296335.9/28

Out: 61.238+/-0.010 χ^2/NDF:1497800.5/33

All: 61.109+/-0.007 χ^2/NDF: 2794470.2/62



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 169.194+/-110.786 χ^2/NDF:25.8/14

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 107.982+/-115.700 χ^2/NDF:22.1/12

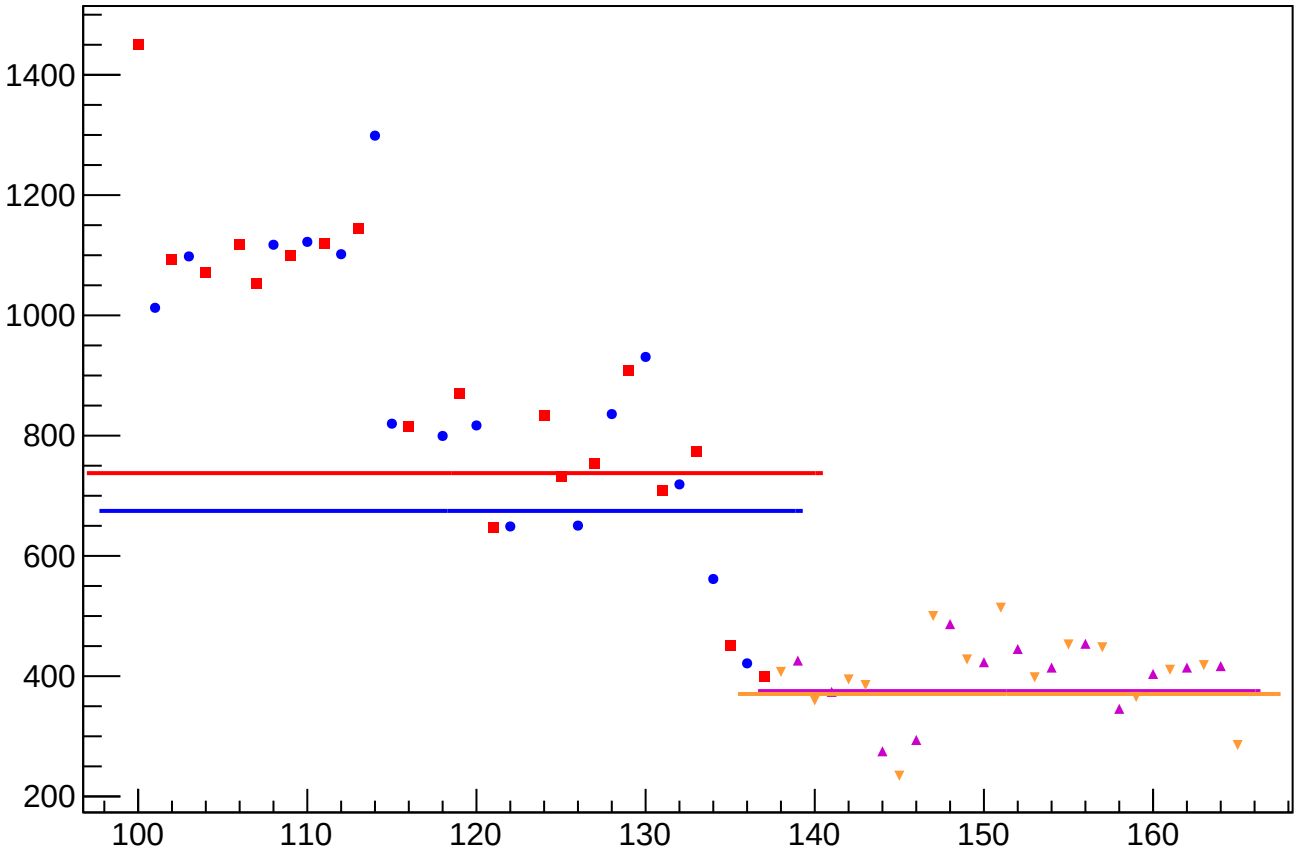
Left: 139.915+/-80.018 χ^2/NDF: 48.0/27

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 187.535+/-106.149 χ^2/NDF:40.7/28

Out: 131.779+/-103.226 χ^2/NDF:42.3/33

All: 158.879+/-74.003 χ^2/NDF: 83.2/62



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076976.9/14

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 375.174+/-0.082 χ^2/NDF:645937.4/12

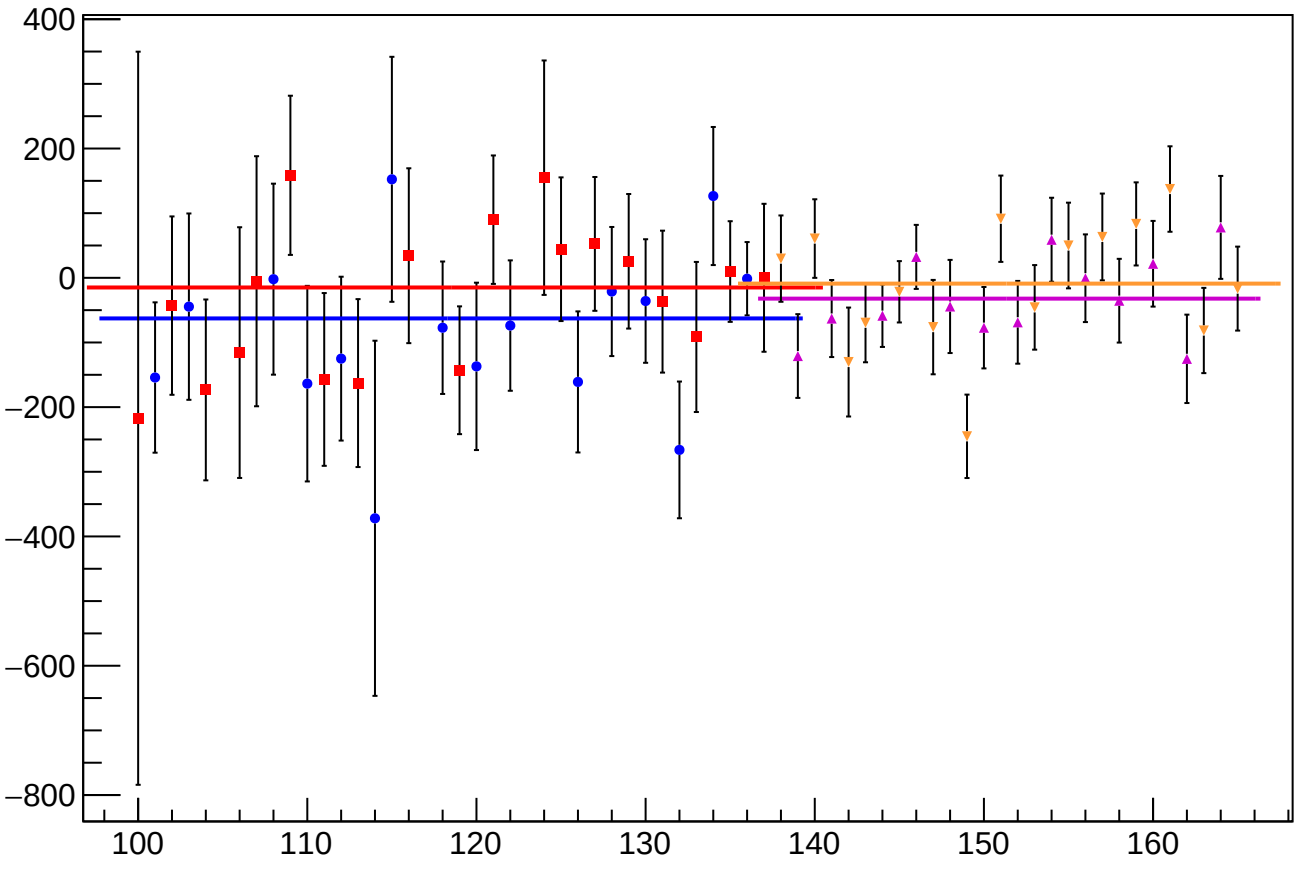
Left: 372.689+/-0.057 χ^2/NDF: 1724682.9/27

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 422.607+/-0.075 χ^2/NDF:4387077.2/28

Out: 418.824+/-0.073 χ^2/NDF:5491099.7/33

All: 420.662+/-0.052 χ^2/NDF: 9879482.2/62



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -32.181+/-17.311 χ^2/NDF:11.6/12

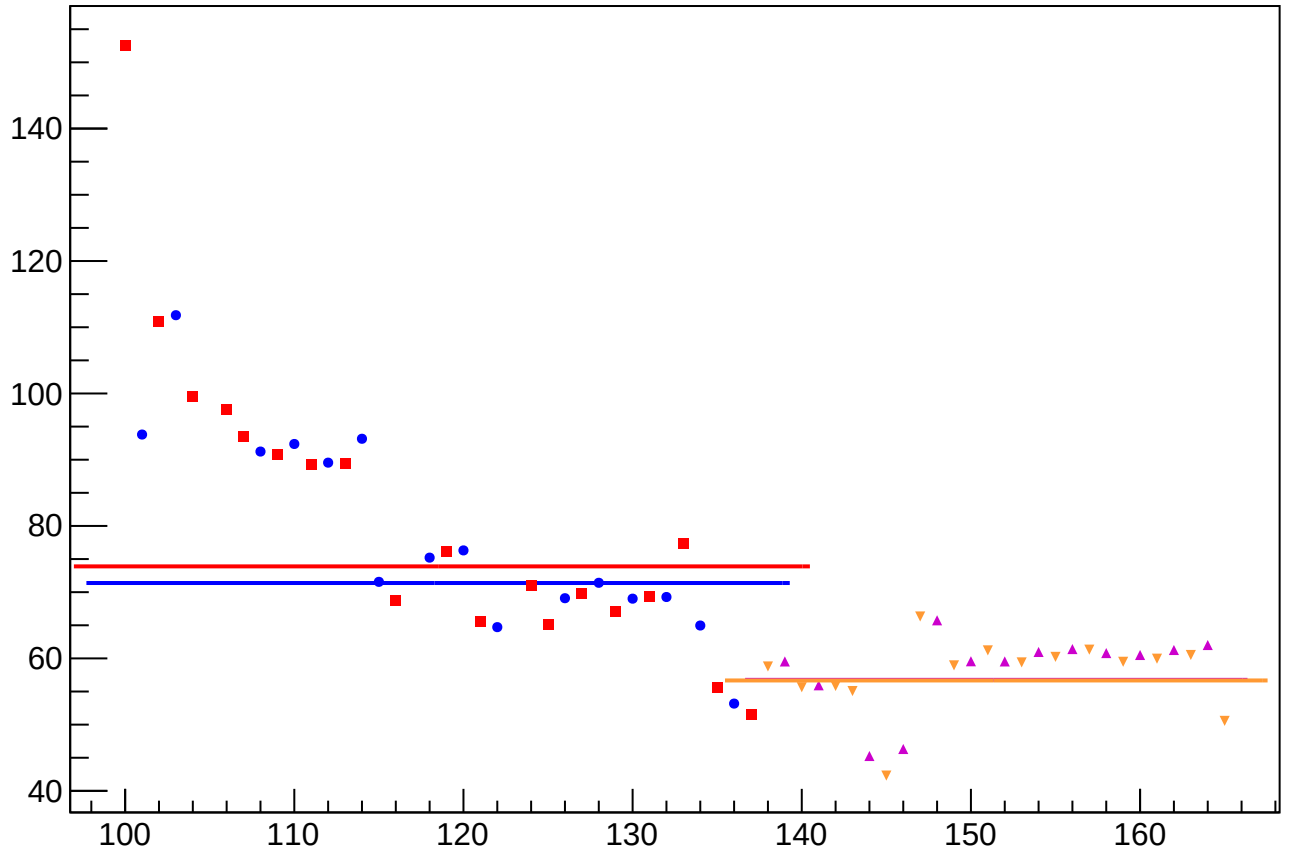
Left: -20.094+/-11.988 χ^2/NDF: 44.3/27

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -40.999+/-14.606 χ^2/NDF:26.0/28

Out: -10.532+/-14.261 χ^2/NDF:43.2/33

All: -25.401+/-10.204 χ^2/NDF: 71.4/62



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

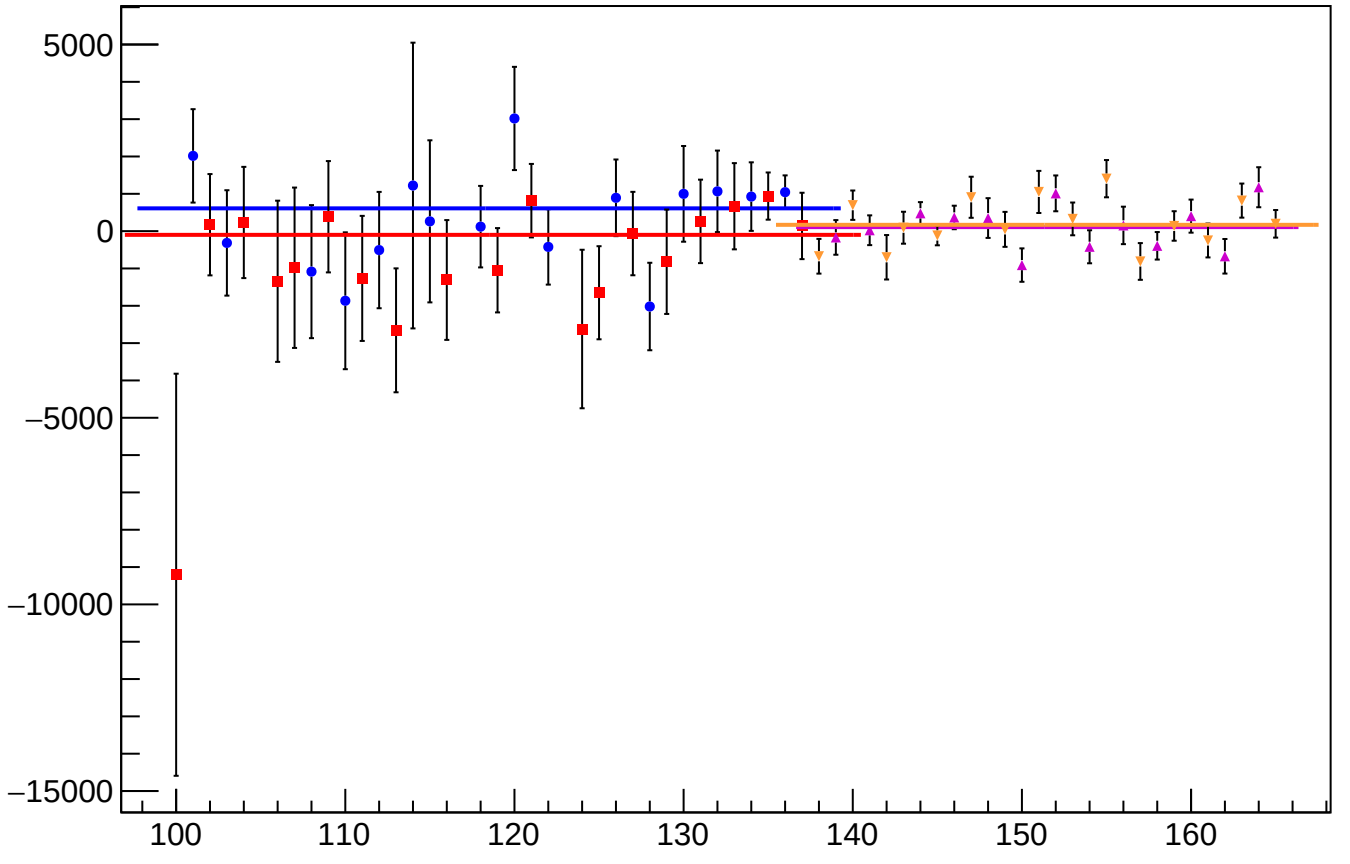
Left: 56.714+/-0.008 χ^2/NDF: 580676.1/27

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.974+/-0.010 χ^2/NDF:1296338.5/28

Out: 61.208+/-0.010 χ^2/NDF:1479391.0/33

All: 61.094+/-0.007 χ^2/NDF: 2775992.7/62



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 169.192+/-110.786 χ^2/NDF:25.8/14

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 107.978+/-115.700 χ^2/NDF:22.1/12

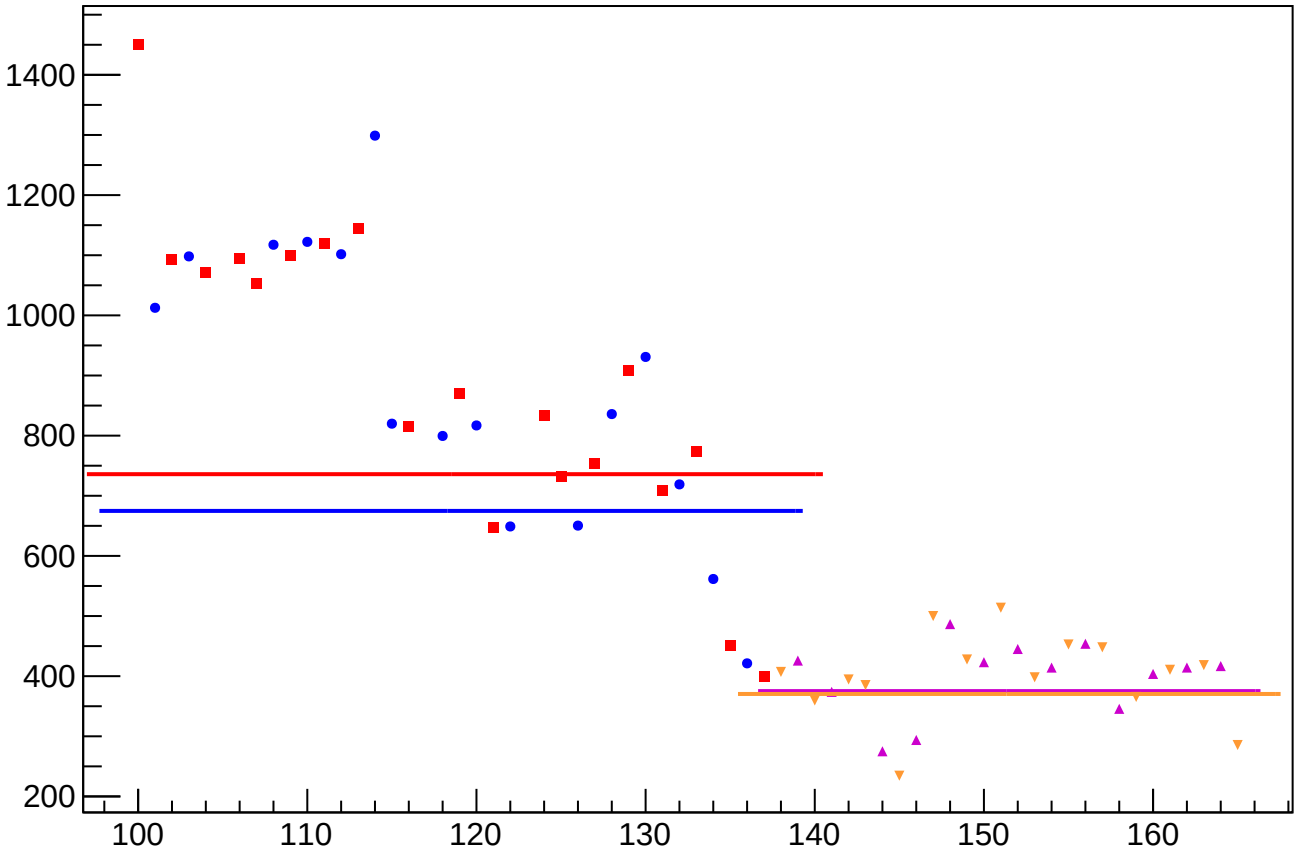
Left: 139.913+/-80.018 χ^2/NDF: 48.0/27

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 187.530+/-106.149 χ^2/NDF:40.7/28

Out: 133.878+/-103.251 χ^2/NDF:41.7/33

All: 159.961+/-74.013 χ^2/NDF: 82.6/62



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076981.8/14

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

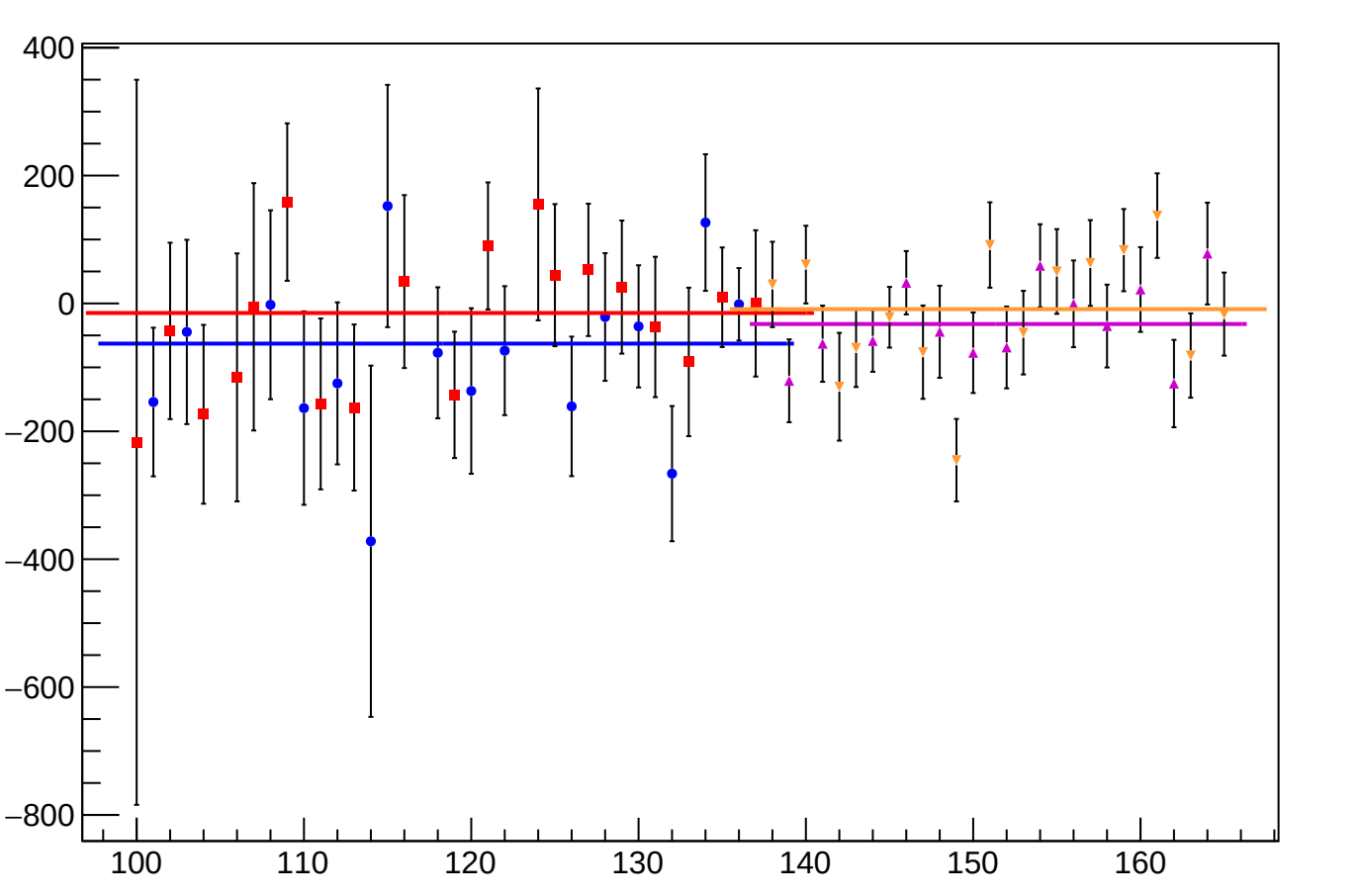
Left: 372.689+/-0.057 χ^2/NDF: 1724690.0/27

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 422.607+/-0.075 χ^2/NDF:4387101.1/28

Out: 418.440+/-0.073 χ^2/NDF:5434635.1/33

All: 420.466+/-0.052 χ^2/NDF: 9823319.5/62



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -32.181+/-17.311 χ^2/NDF:11.6/12

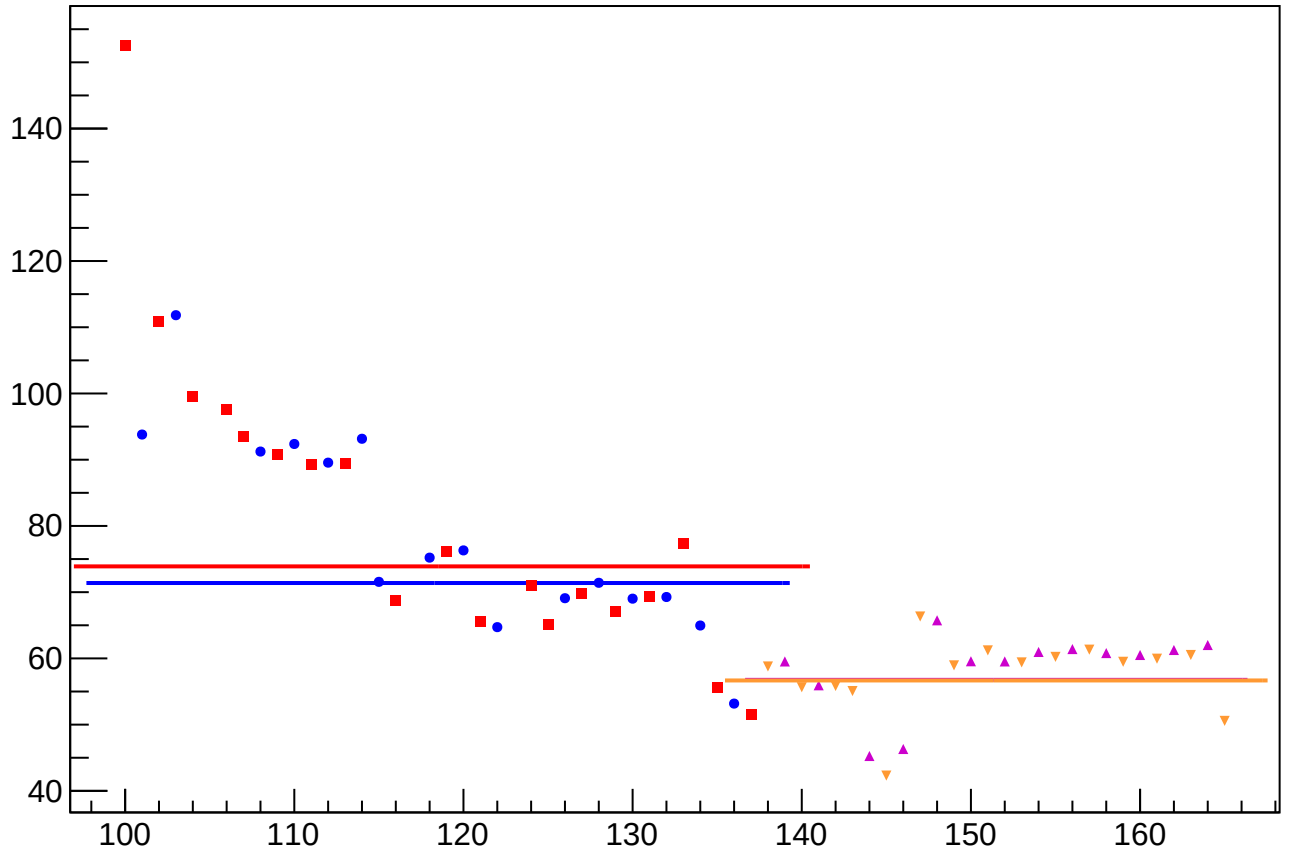
Left: -20.094+/-11.988 χ^2/NDF: 44.3/27

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -40.999+/-14.606 χ^2/NDF:26.0/28

Out: -10.532+/-14.261 χ^2/NDF:43.2/33

All: -25.401+/-10.204 χ^2/NDF: 71.4/62



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

Left: 56.714+/-0.008 χ^2/NDF: 580676.1/27

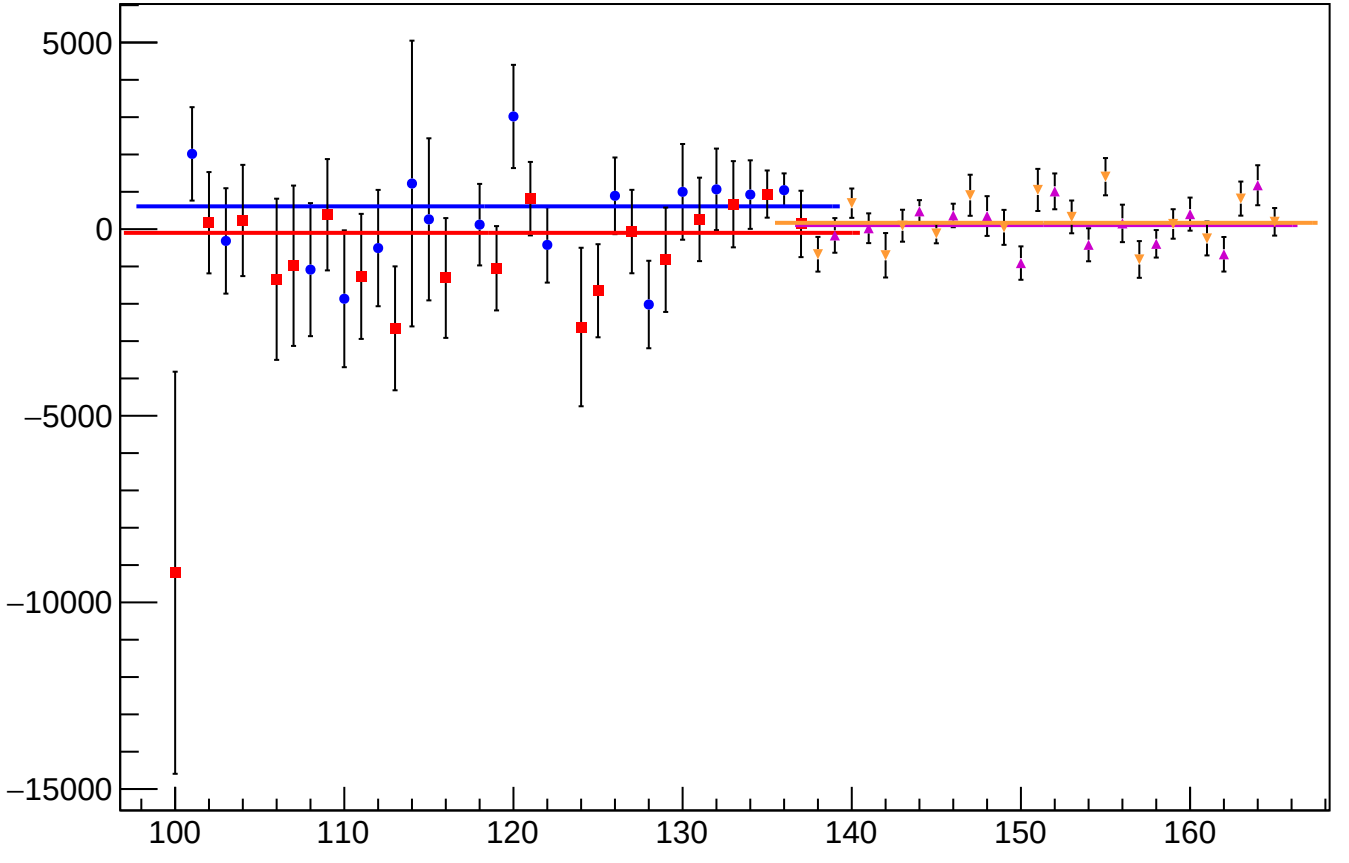
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.974+/-0.010 χ^2/NDF:1296338.5/28

Out: 61.208+/-0.010 χ^2/NDF:1479391.0/33

All: 61.094+/-0.007 χ^2/NDF: 2775992.7/62

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 169.192+/-110.786 χ^2/NDF:25.8/14

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 107.978+/-115.700 χ^2/NDF:22.1/12

Left: 139.913+/-80.018 χ^2/NDF: 48.0/27

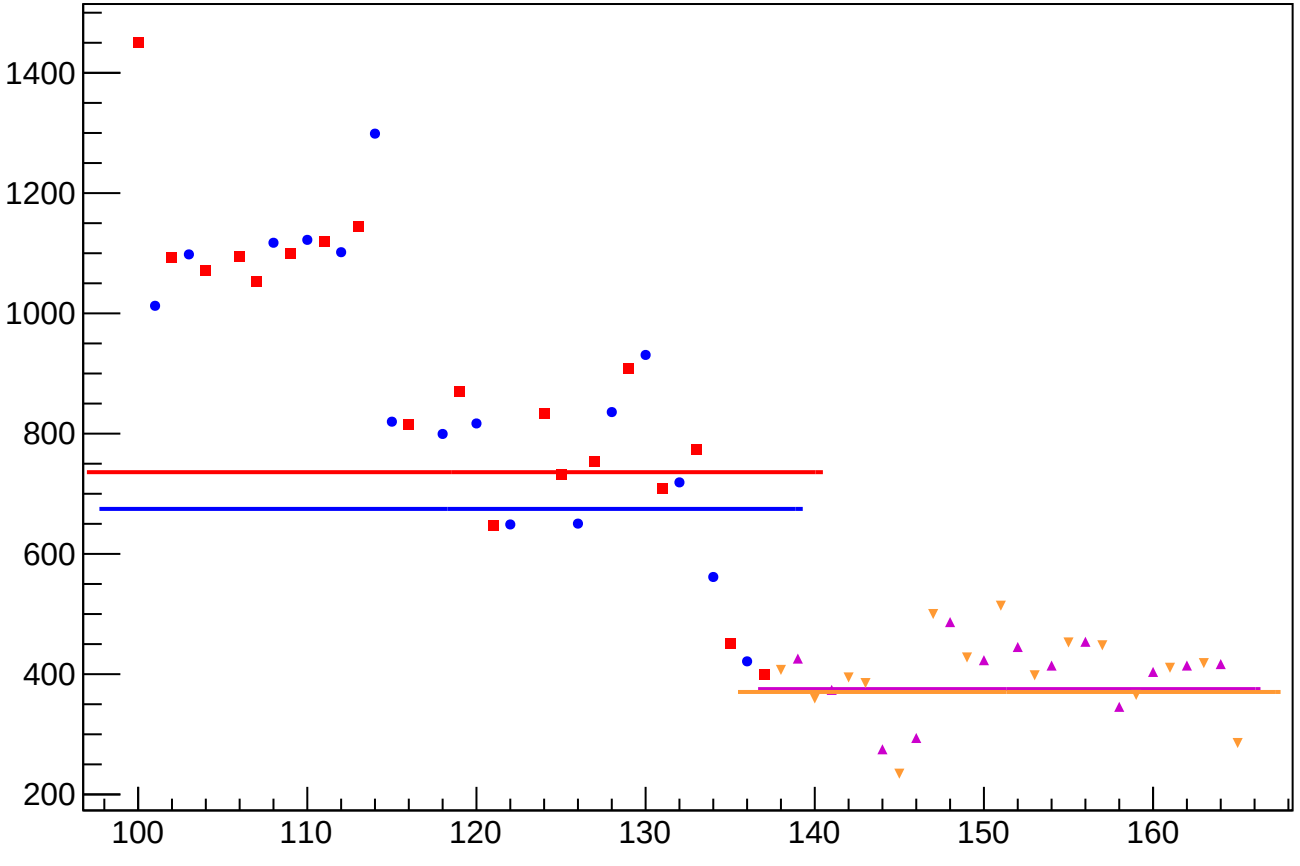
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 187.530+/-106.149 χ^2/NDF:40.7/28

Out: 133.878+/-103.251 χ^2/NDF:41.7/33

All: 159.961+/-74.013 χ^2/NDF: 82.6/62

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: 370.411+/-0.078 χ^2/NDF:1076981.8/14

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

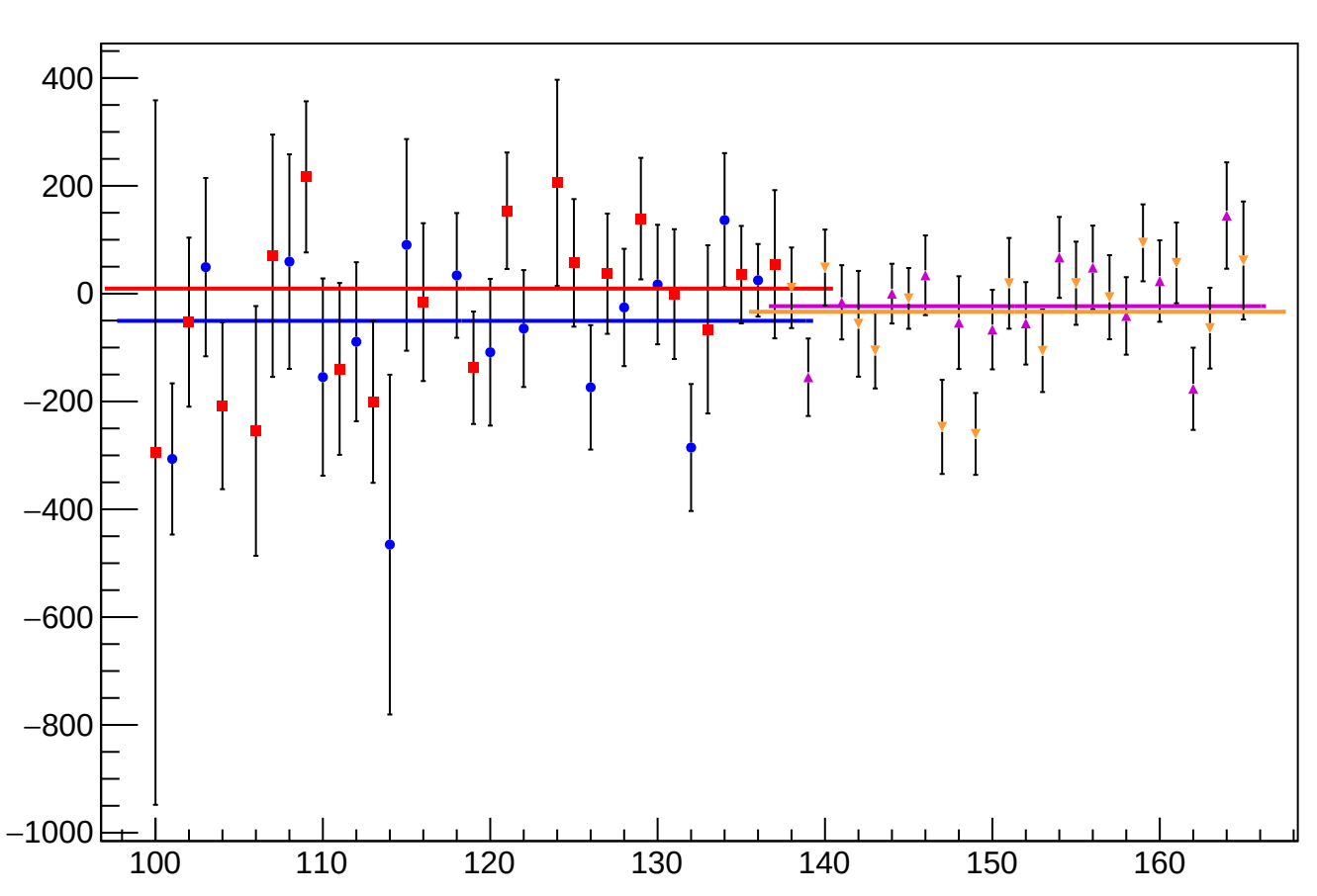
Left: 372.689+/-0.057 χ^2/NDF: 1724690.0/27

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 422.607+/-0.075 χ^2/NDF:4387101.1/28

Out: 418.440+/-0.073 χ^2/NDF:5434635.1/33

All: 420.466+/-0.052 χ^2/NDF: 9823319.5/62



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -33.501+/-19.661 χ^2/NDF:25.4/14

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -23.251+/-20.466 χ^2/NDF:14.5/12

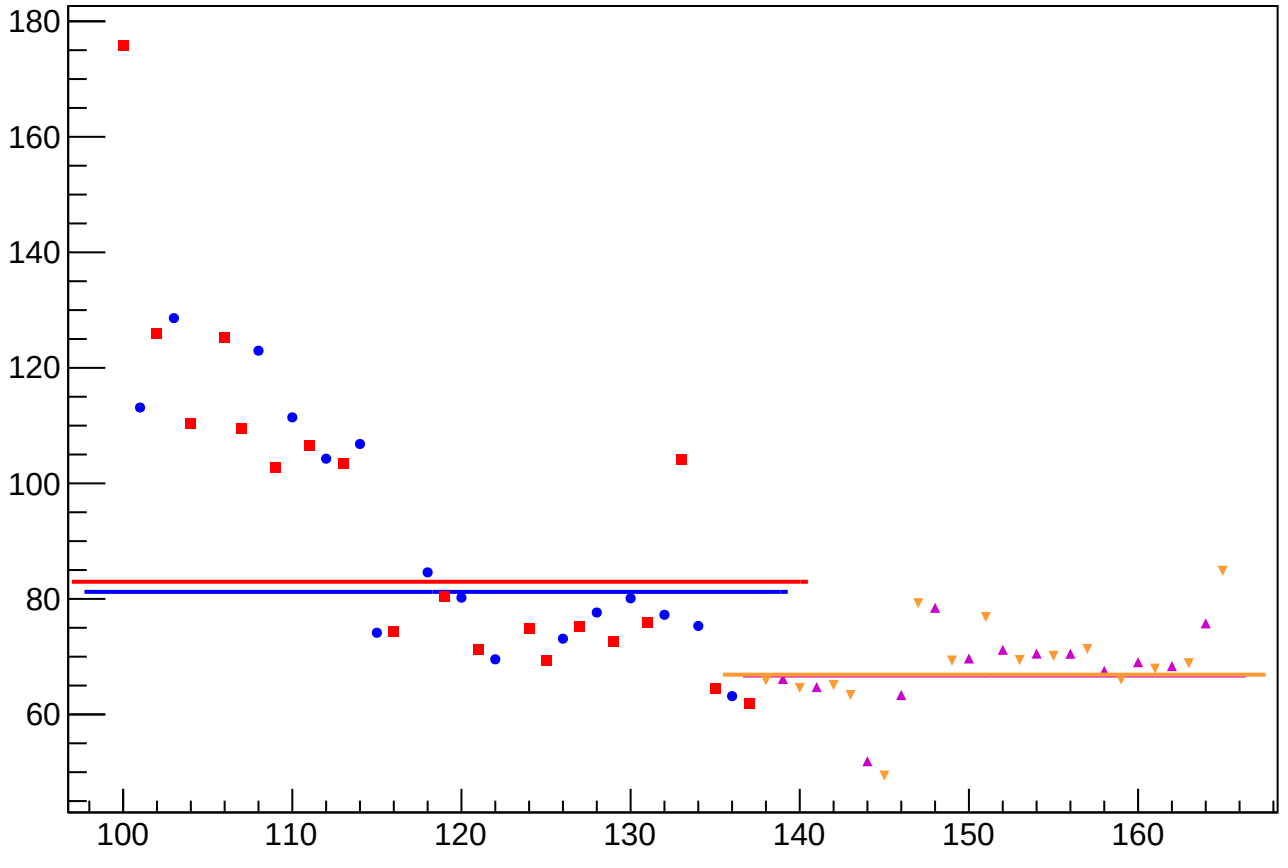
Left: -28.581+/-14.179 χ^2/NDF: 40.0/27

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -31.489+/-17.090 χ^2/NDF:31.4/28

Out: -21.332+/-16.639 χ^2/NDF:42.3/33

All: -26.275+/-11.922 χ^2/NDF: 73.9/62



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.882+/-0.014 χ^2/NDF:338915.2/14

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.728+/-0.014 χ^2/NDF:226011.5/12

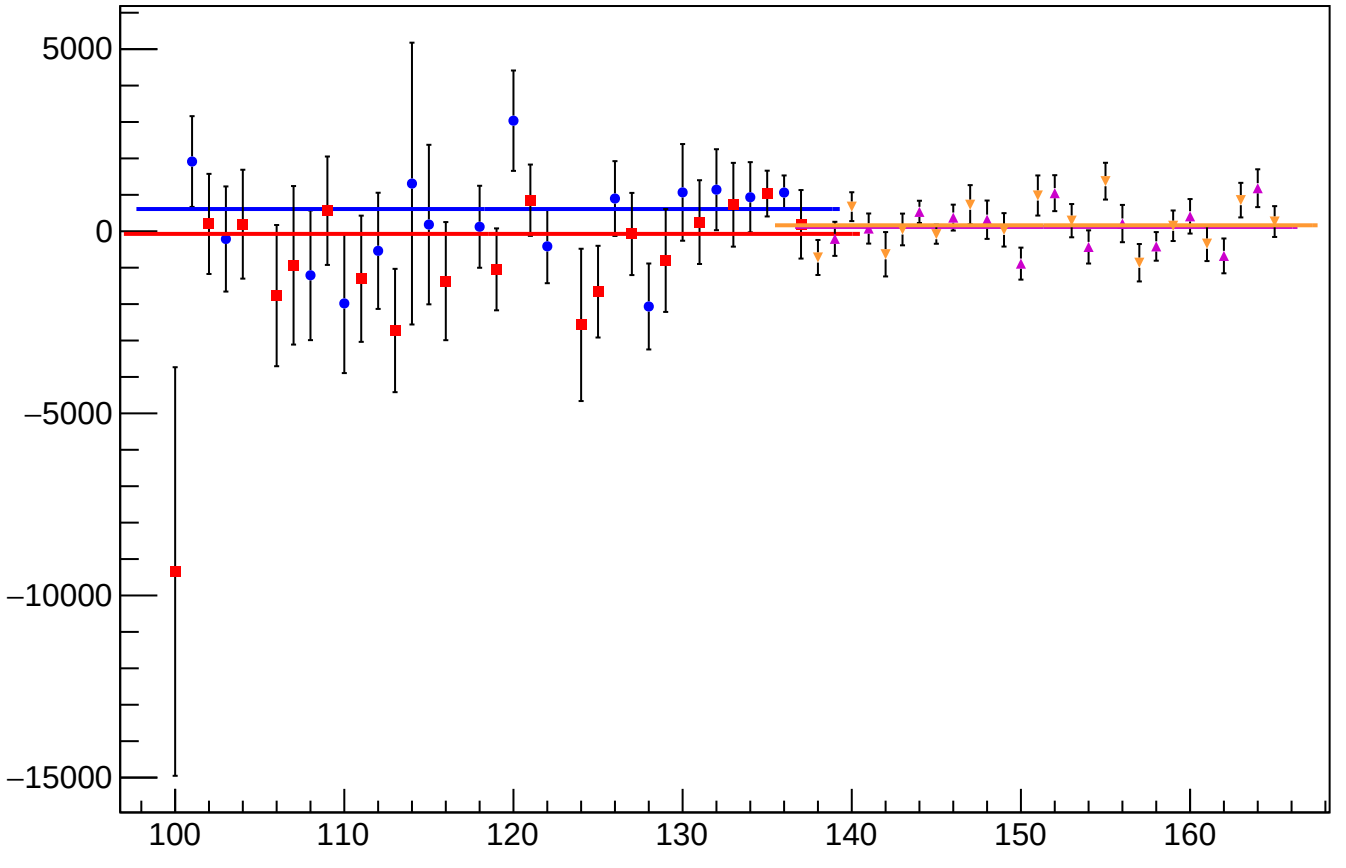
Left: 66.808+/-0.010 χ^2/NDF: 564985.2/27

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.115+/-0.012 χ^2/NDF:1192361.9/28

Out: 71.448+/-0.012 χ^2/NDF:1449374.3/33

All: 71.286+/-0.008 χ^2/NDF: 2642125.9/62



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 163.904+/-113.743 χ^2/NDF:24.2/14

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 119.082+/-119.855 χ^2/NDF:22.5/12

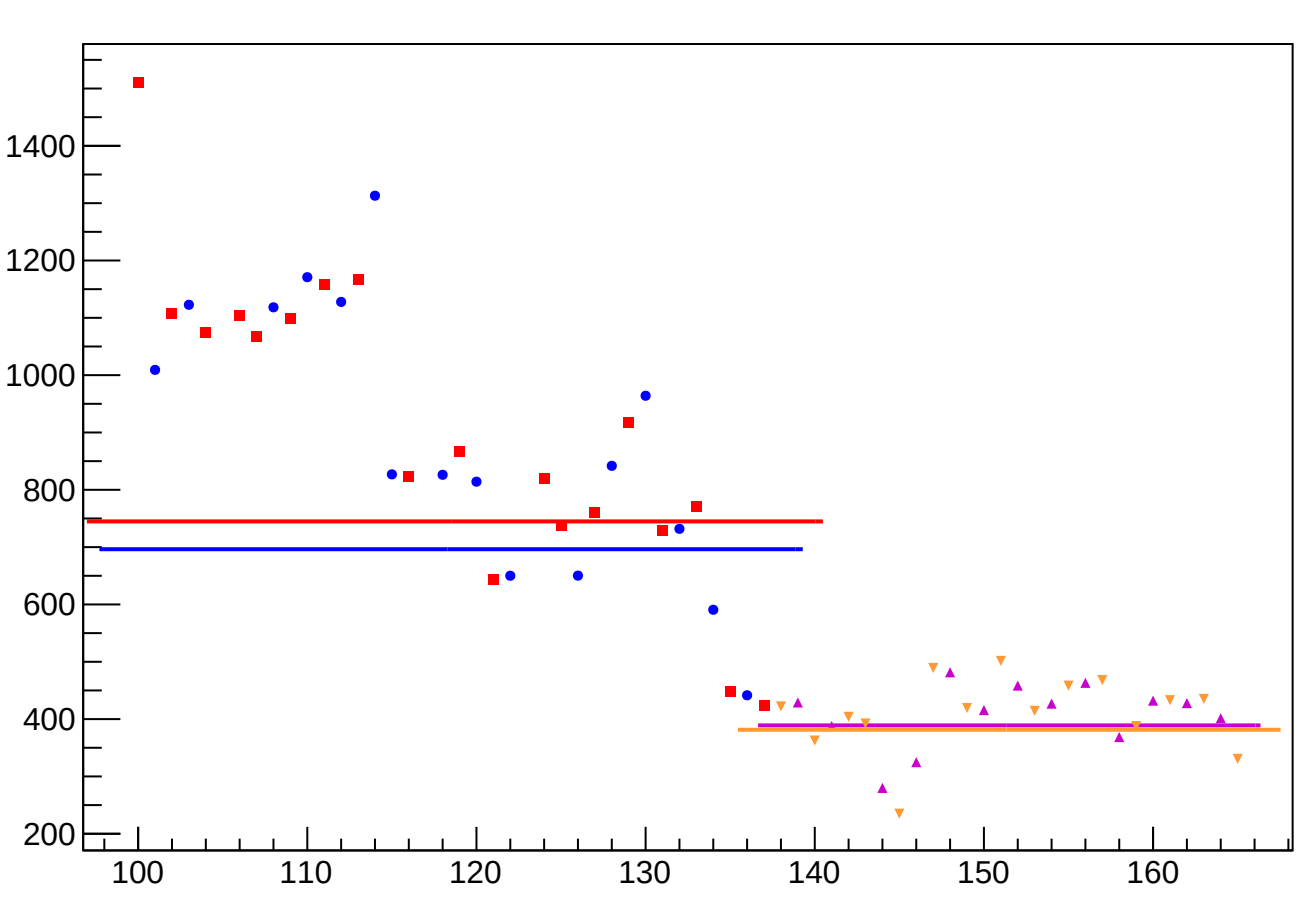
Left: 142.665+/-82.504 χ^2/NDF: 46.7/27

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 197.999+/-109.808 χ^2/NDF:41.0/28

Out: 131.806+/-105.733 χ^2/NDF:41.0/33

All: 163.651+/-76.164 χ^2/NDF: 82.1/62



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 381.415+/-0.080 χ^2/NDF:1026853.1/14

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 389.035+/-0.085 χ^2/NDF:536254.4/12

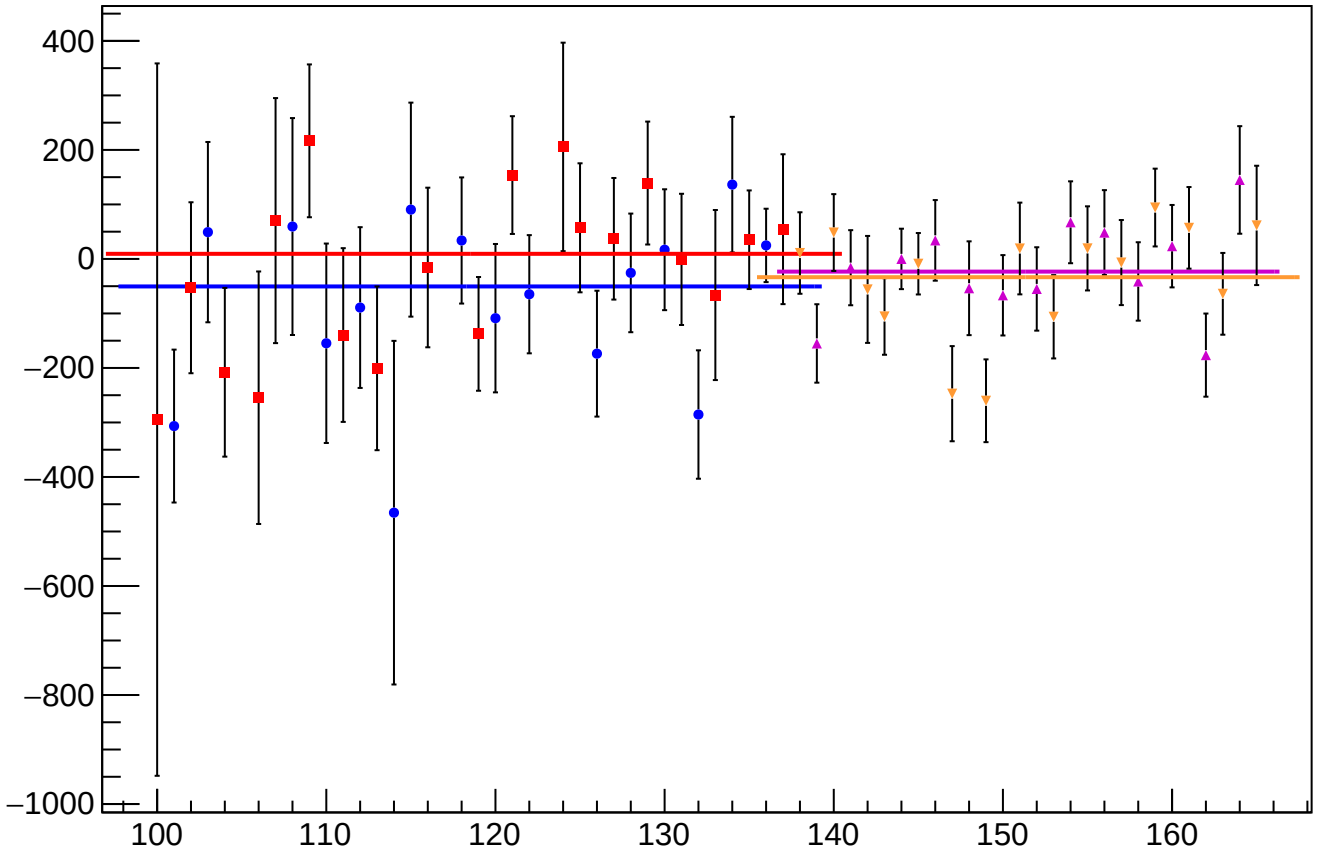
Left: 385.026+/-0.058 χ^2/NDF: 1567361.9/27

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 438.402+/-0.078 χ^2/NDF:4164082.2/28

Out: 430.803+/-0.075 χ^2/NDF:5300236.4/33

All: 434.459+/-0.054 χ^2/NDF: 9469289.0/62



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -33.501+/-19.661 χ^2/NDF:25.4/14

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -23.249+/-20.466 χ^2/NDF:14.5/12

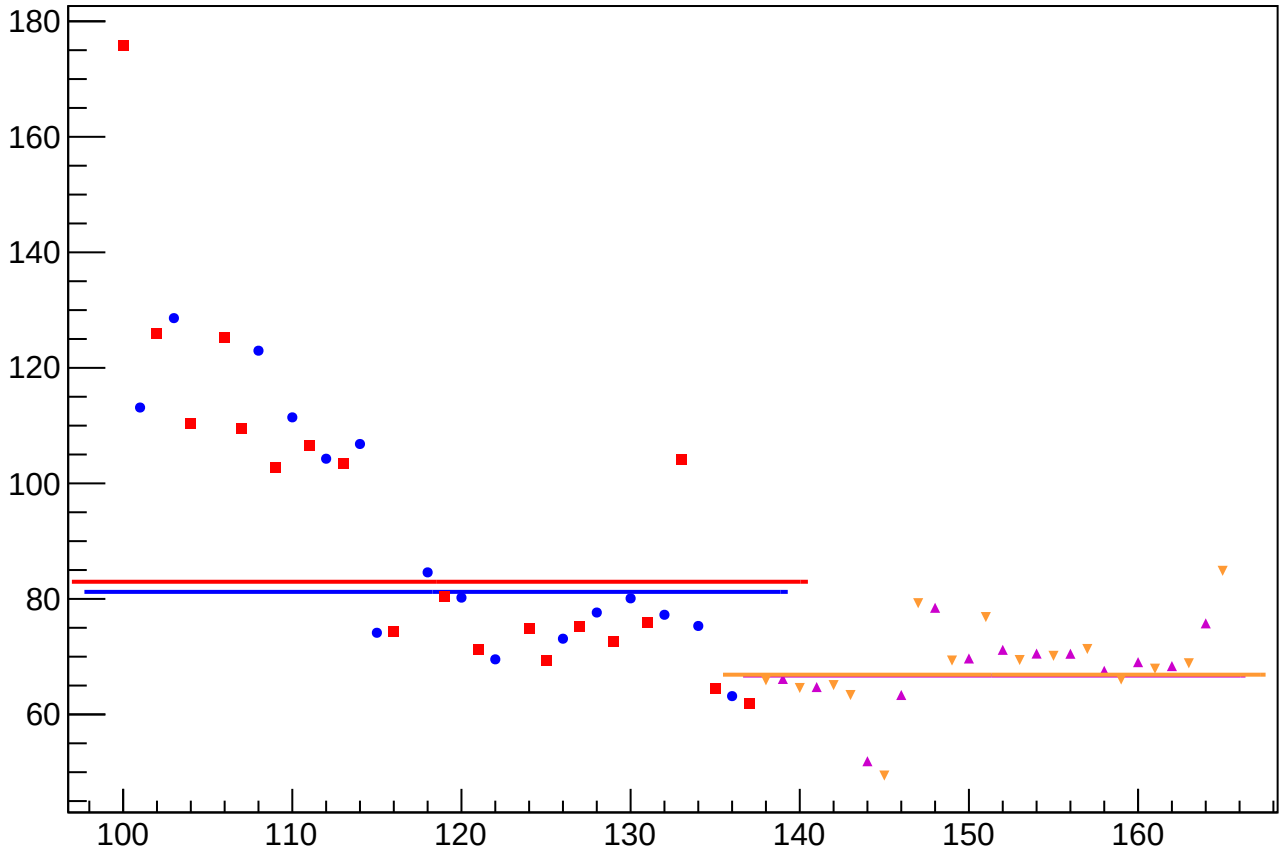
Left: -28.581+/-14.179 χ^2/NDF: 40.0/27

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -31.489+/-17.090 χ^2/NDF:31.4/28

Out: -21.331+/-16.639 χ^2/NDF:42.3/33

All: -26.274+/-11.922 χ^2/NDF: 73.9/62



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.882+/-0.014 χ^2/NDF:338909.1/14

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.728+/-0.014 χ^2/NDF:226008.9/12

Left: 66.808+/-0.010 χ^2/NDF: 564976.6/27

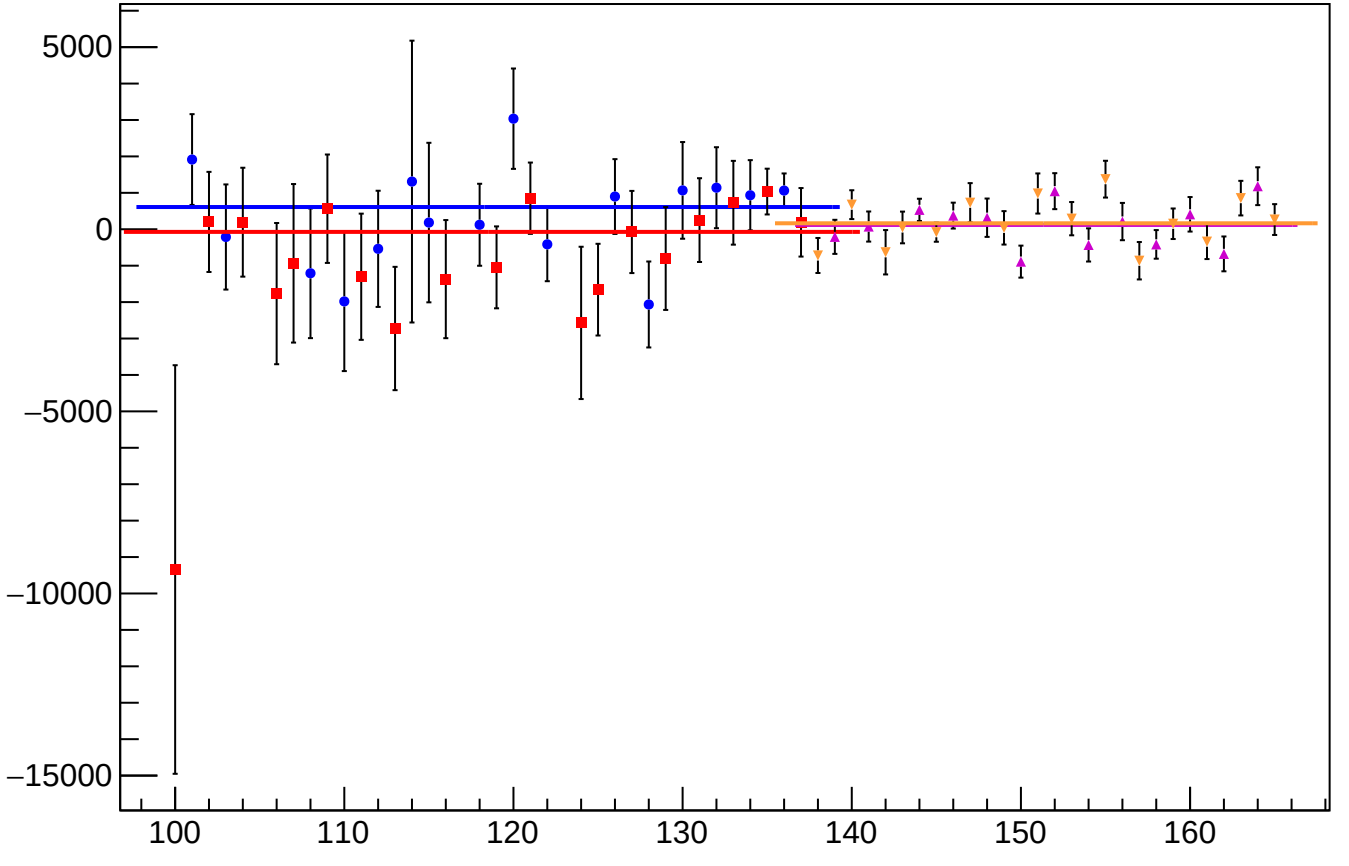
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.115+/-0.012 χ^2/NDF:1192323.5/28

Out: 71.448+/-0.012 χ^2/NDF:1449338.6/33

All: 71.286+/-0.008 χ^2/NDF: 2642052.0/62

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: 163.903+/-113.743 χ^2/NDF:24.2/14

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 119.082+/-119.855 χ^2/NDF:22.5/12

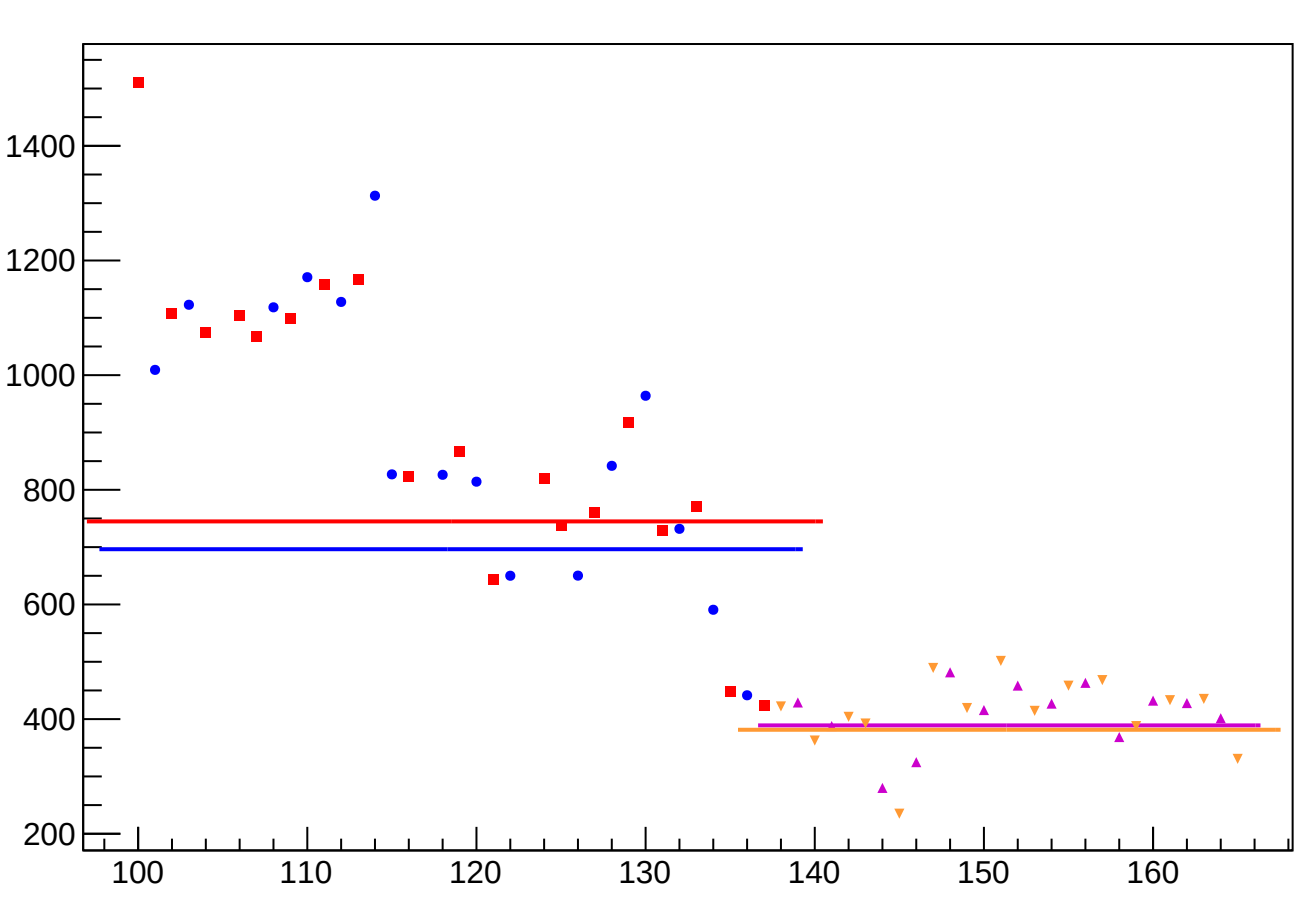
Left: 142.665+/-82.504 χ^2/NDF: 46.7/27

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 197.999+/-109.808 χ^2/NDF:41.0/28

Out: 131.805+/-105.733 χ^2/NDF:41.0/33

All: 163.651+/-76.164 χ^2/NDF: 82.1/62



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 381.415+/-0.080 χ^2/NDF:1026873.3/14

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 389.036+/-0.085 χ^2/NDF:536261.9/12

Left: 385.026+/-0.058 χ^2/NDF: 1567389.7/27

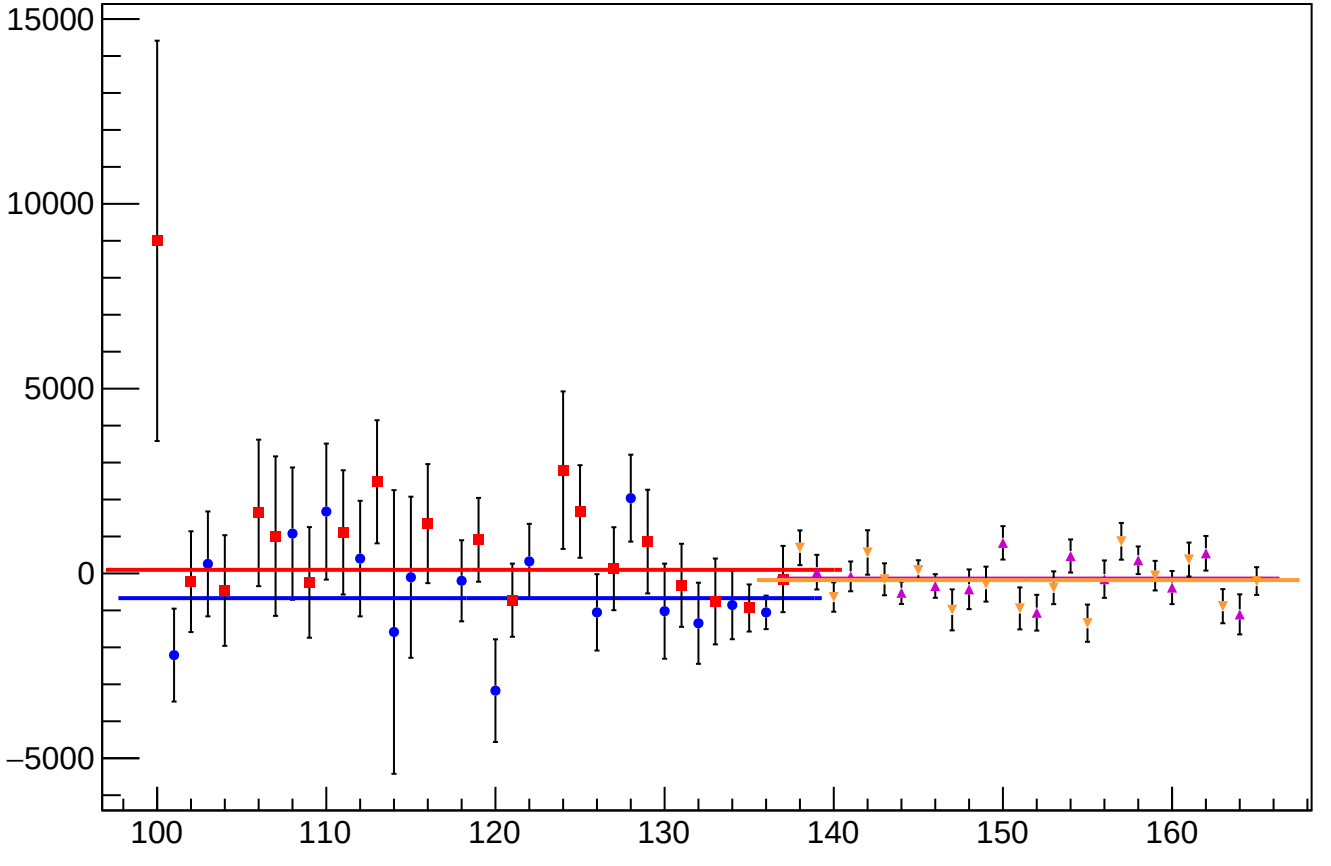
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 438.403+/-0.078 χ^2/NDF:4164065.3/28

Out: 430.803+/-0.075 χ^2/NDF:5300236.3/33

All: 434.459+/-0.054 χ^2/NDF: 9469272.2/62

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -179.606+/-112.113 χ^2/NDF:25.3/14

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -139.473+/-117.062 χ^2/NDF:19.9/12

Left: -160.406+/-80.969 χ^2/NDF: 45.2/27

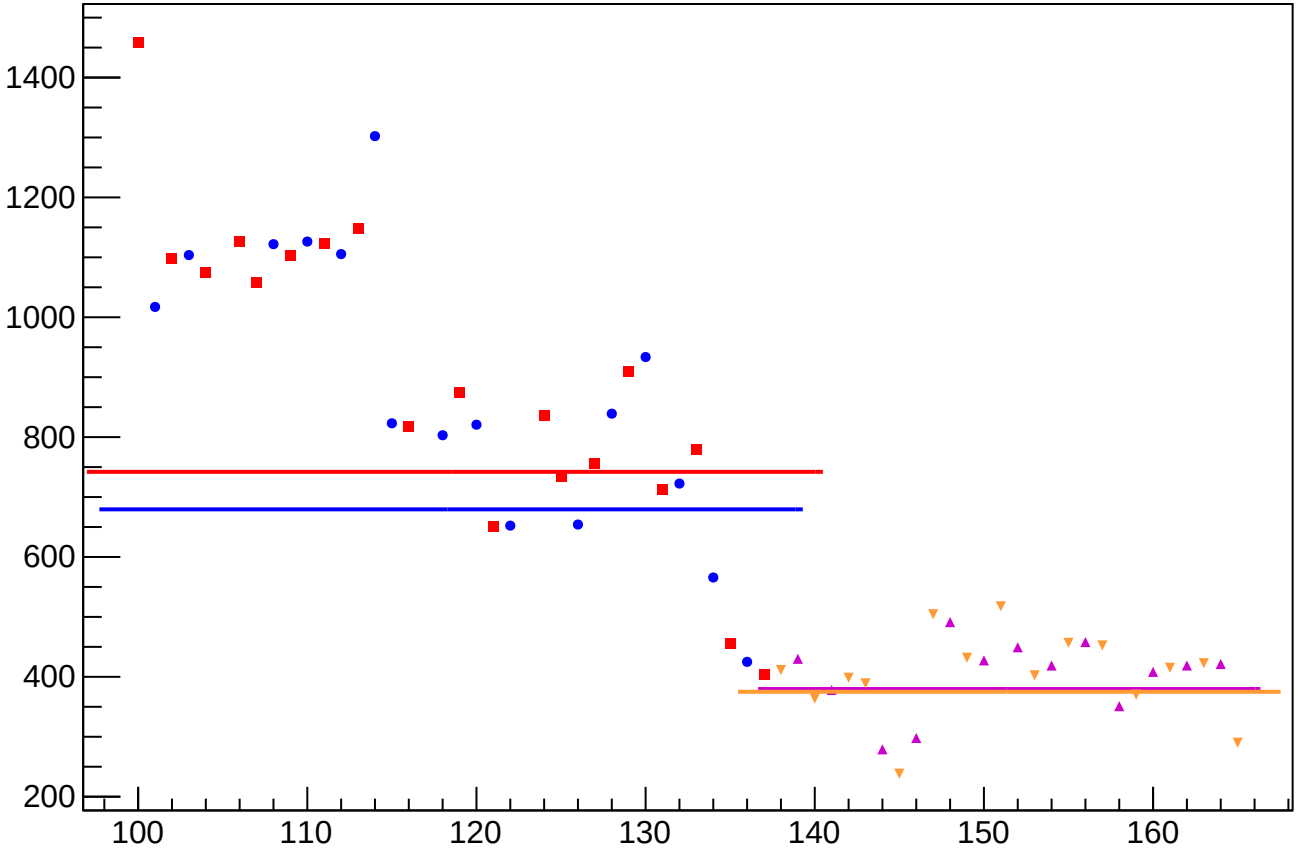
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -223.996+/-107.304 χ^2/NDF:39.3/28

Out: -142.602+/-104.374 χ^2/NDF:40.9/33

All: -182.173+/-74.818 χ^2/NDF: 80.5/62

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 375.107+/-0.079 χ^2/NDF:1050656.6/14

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 379.749+/-0.083 χ^2/NDF:633079.8/12

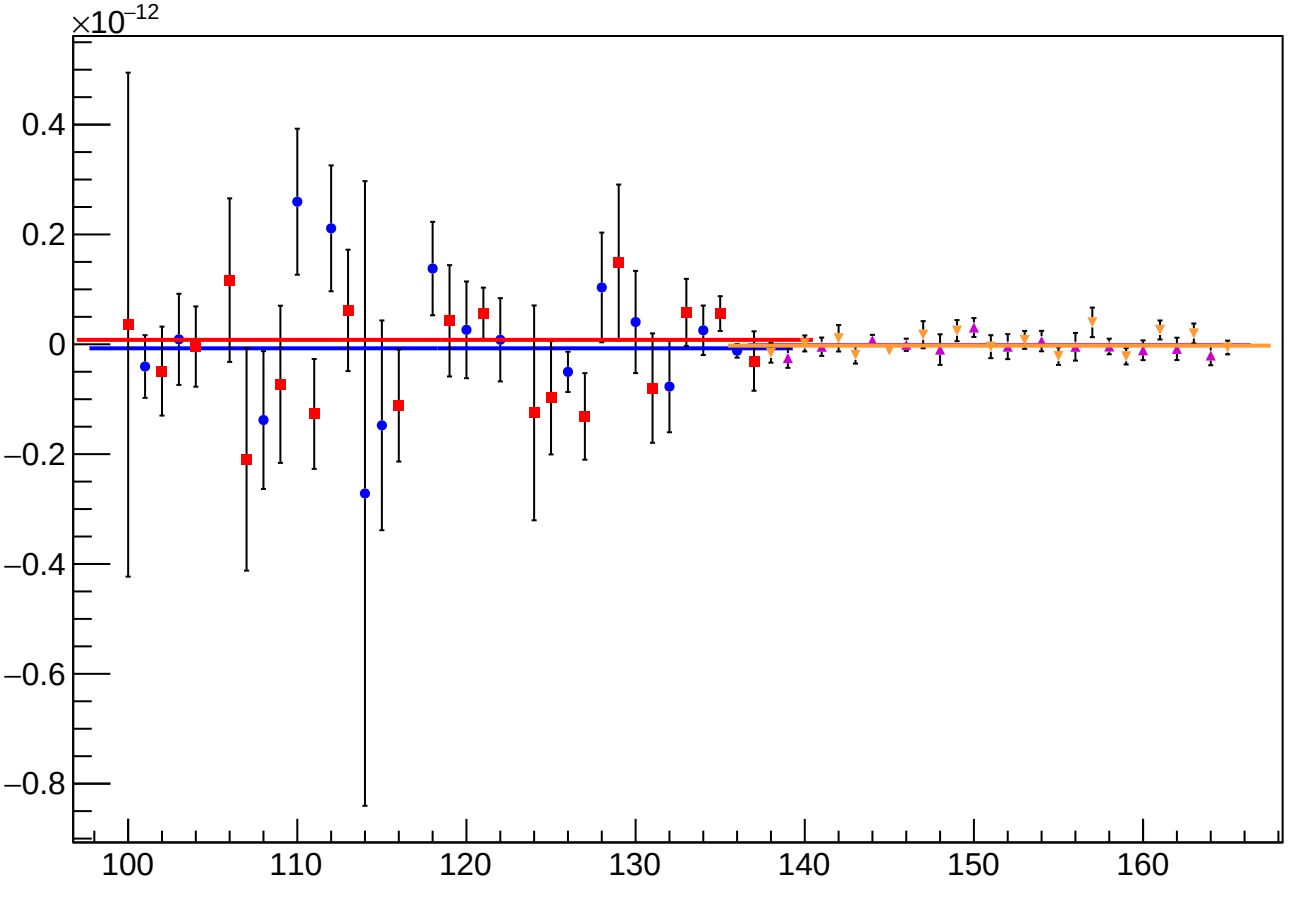
Left: 377.328+/-0.057 χ^2/NDF: 1685377.0/27

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 427.635+/-0.076 χ^2/NDF:4328710.9/28

Out: 424.023+/-0.074 χ^2/NDF:5411317.4/33

All: 425.779+/-0.053 χ^2/NDF: 9741193.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/12

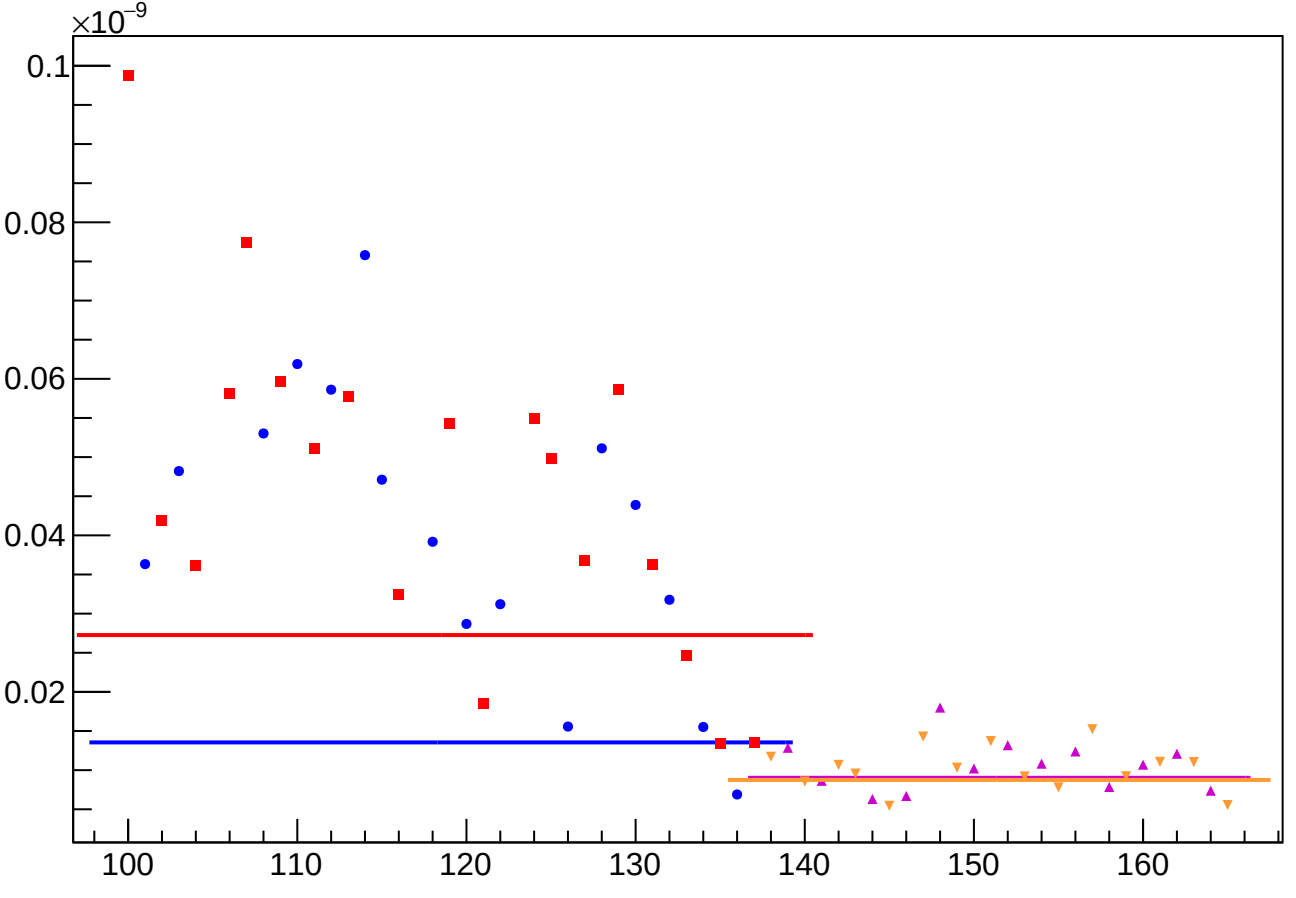
Left: -0.000+/-0.000 χ^2/NDF: 23.9/27

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.4/28

Out: -0.000+/-0.000 χ^2/NDF:33.3/33

All: -0.000+/-0.000 χ^2/NDF: 58.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:907388.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:763983.7/12

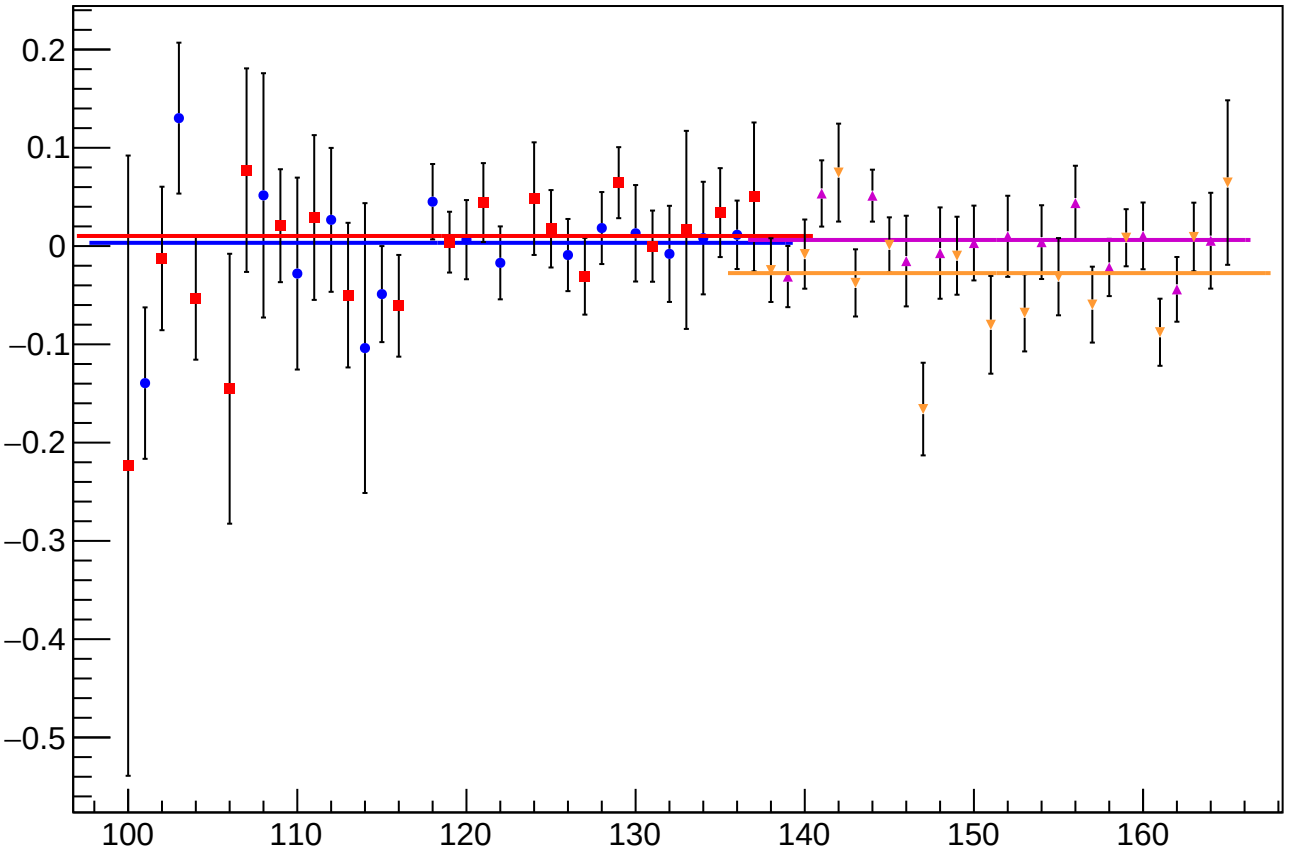
Left: 0.000+/-0.000 χ^2/NDF: 1675347.0/27

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4125440.5/28

Out: 0.000+/-0.000 χ^2/NDF:4807164.2/33

All: 0.000+/-0.000 χ^2/NDF: 8932611.3/62



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

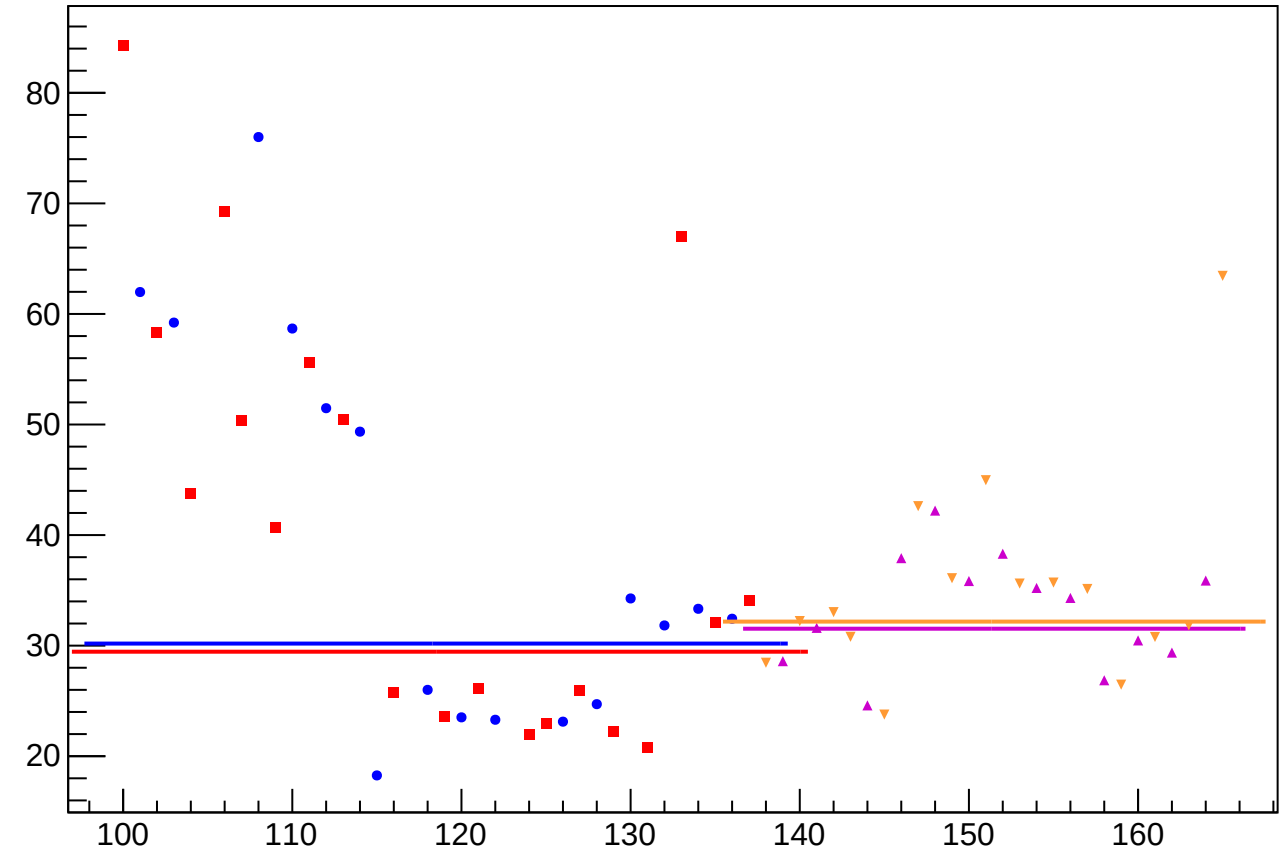
Left: -0.011+/-0.007 χ^2/NDF: 41.2/27

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/62



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.174+/-0.007 χ^2/NDF:863841.3/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.531+/-0.007 χ^2/NDF:486970.0/12

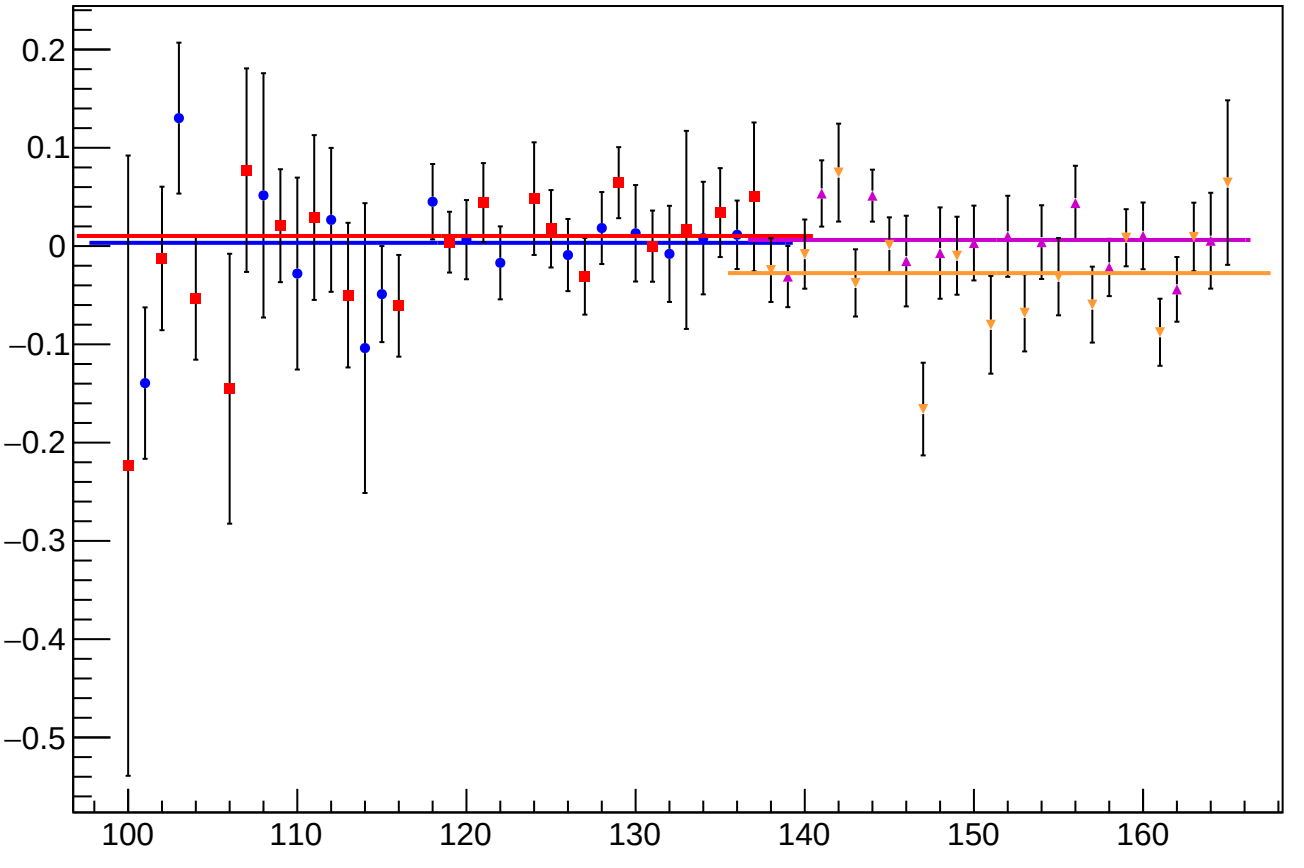
Left: 31.859+/-0.005 χ^2/NDF: 1355173.0/27

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.006+/-0.005 χ^2/NDF:2188946.3/28

Out: 31.086+/-0.005 χ^2/NDF:2776223.5/33

All: 31.047+/-0.004 χ^2/NDF: 4965280.8/62



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

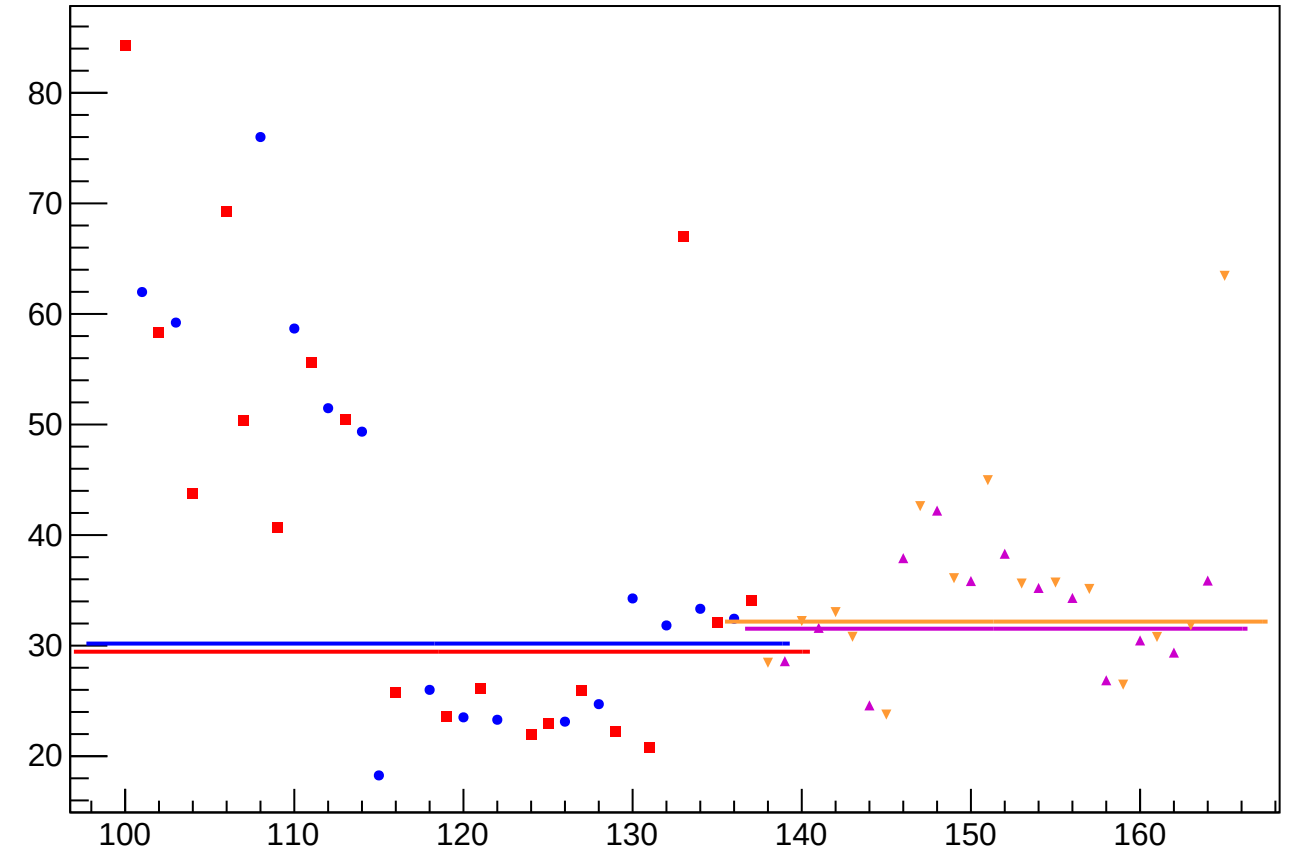
Left: -0.011+/-0.007 χ^2/NDF: 41.2/27

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/62



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.174+/-0.007 χ^2/NDF:863841.3/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.531+/-0.007 χ^2/NDF:486970.0/12

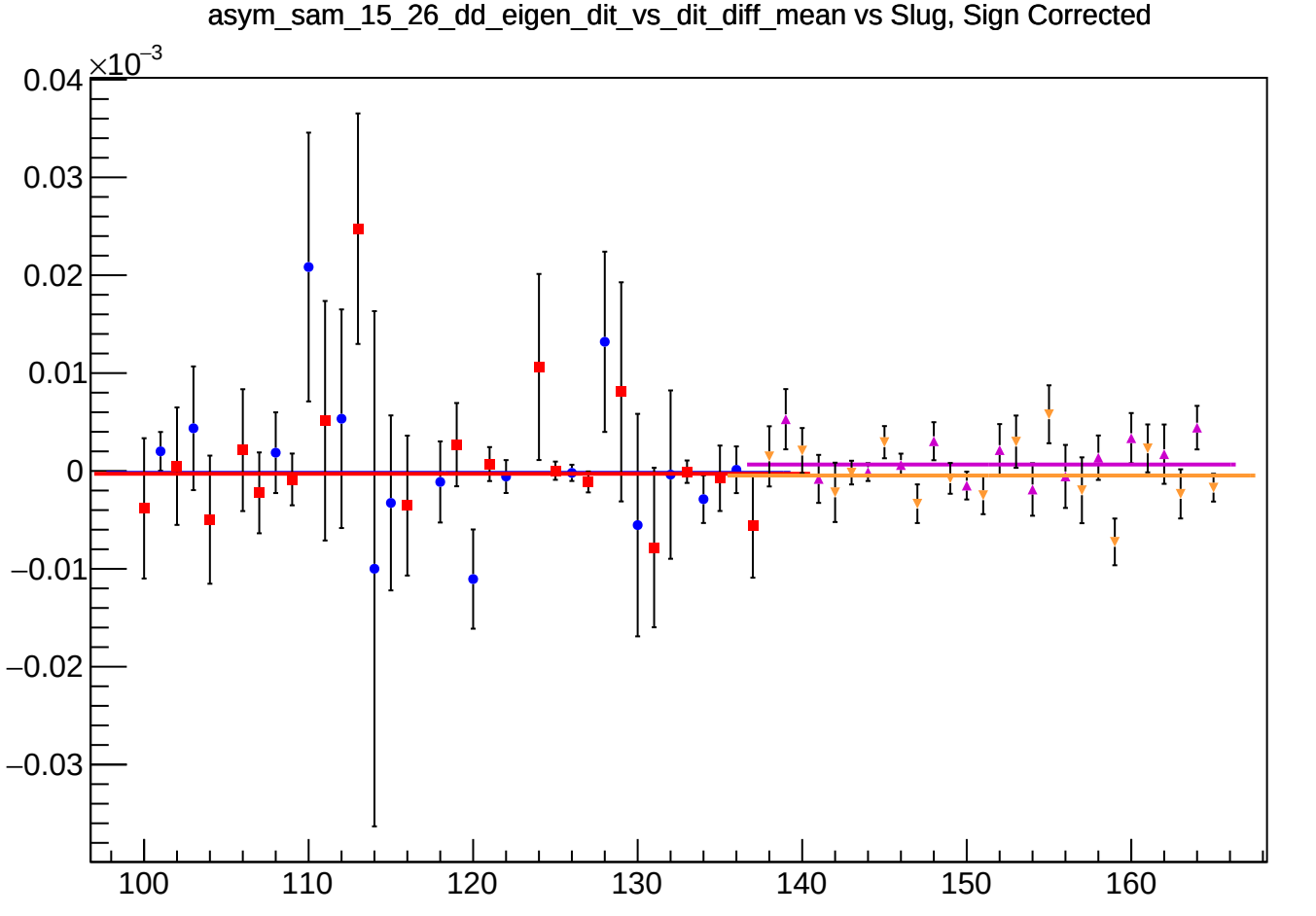
Left: 31.859+/-0.005 χ^2/NDF: 1355173.0/27

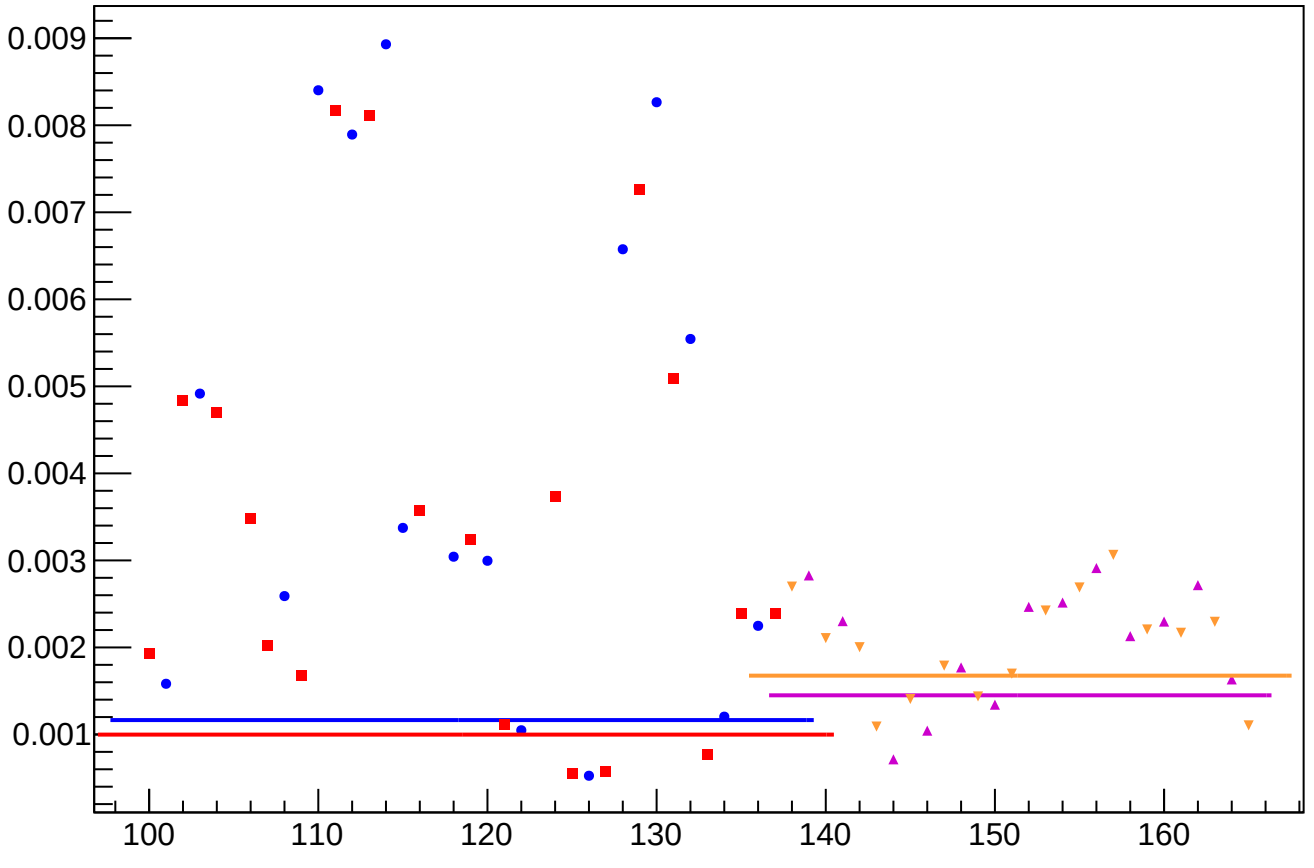
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.006+/-0.005 χ^2/NDF:2188946.3/28

Out: 31.086+/-0.005 χ^2/NDF:2776223.5/33

All: 31.047+/-0.004 χ^2/NDF: 4965280.8/62


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.1/15
Left Out: -0.000+/-0.000 χ²/NDF:26.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: 0.000+/-0.000 χ²/NDF:12.7/12
Left: 0.000+/-0.000 χ²/NDF: 41.7/27
Right: -0.000+/-0.000 χ²/NDF: 24.6/34
In: 0.000+/-0.000 χ²/NDF:27.0/28
Out: -0.000+/-0.000 χ²/NDF:38.1/33
All: -0.000+/-0.000 χ²/NDF: 66.7/62



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2244201.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4039761.5/12

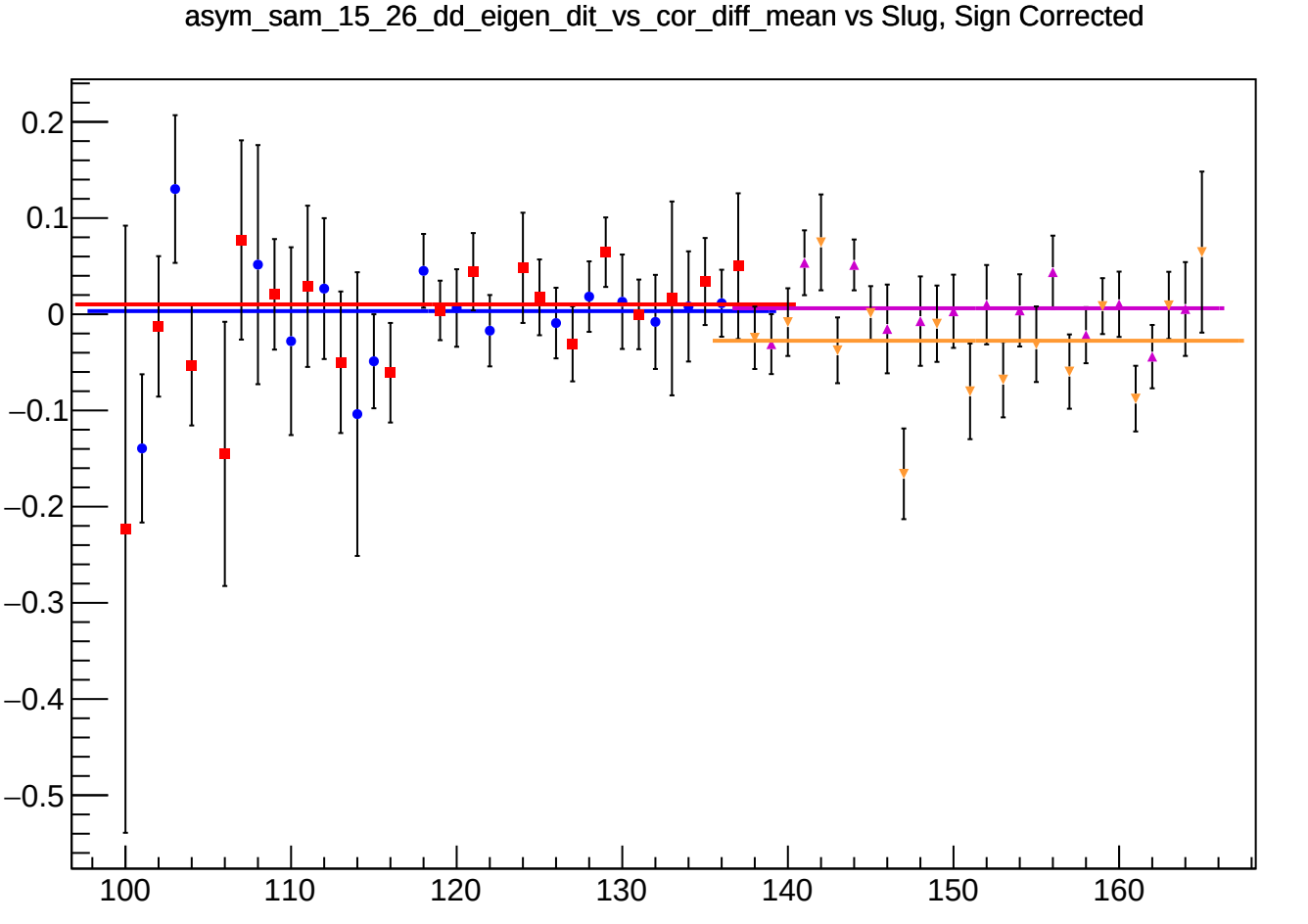
Left: 0.002+/-0.000 χ^2/NDF: 6481128.3/27

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11179952.0/28

Out: 0.001+/-0.000 χ^2/NDF:10876363.6/33

All: 0.001+/-0.000 χ^2/NDF: 22056374.1/62



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

Left: -0.011+/-0.007 χ^2/NDF: 41.2/27

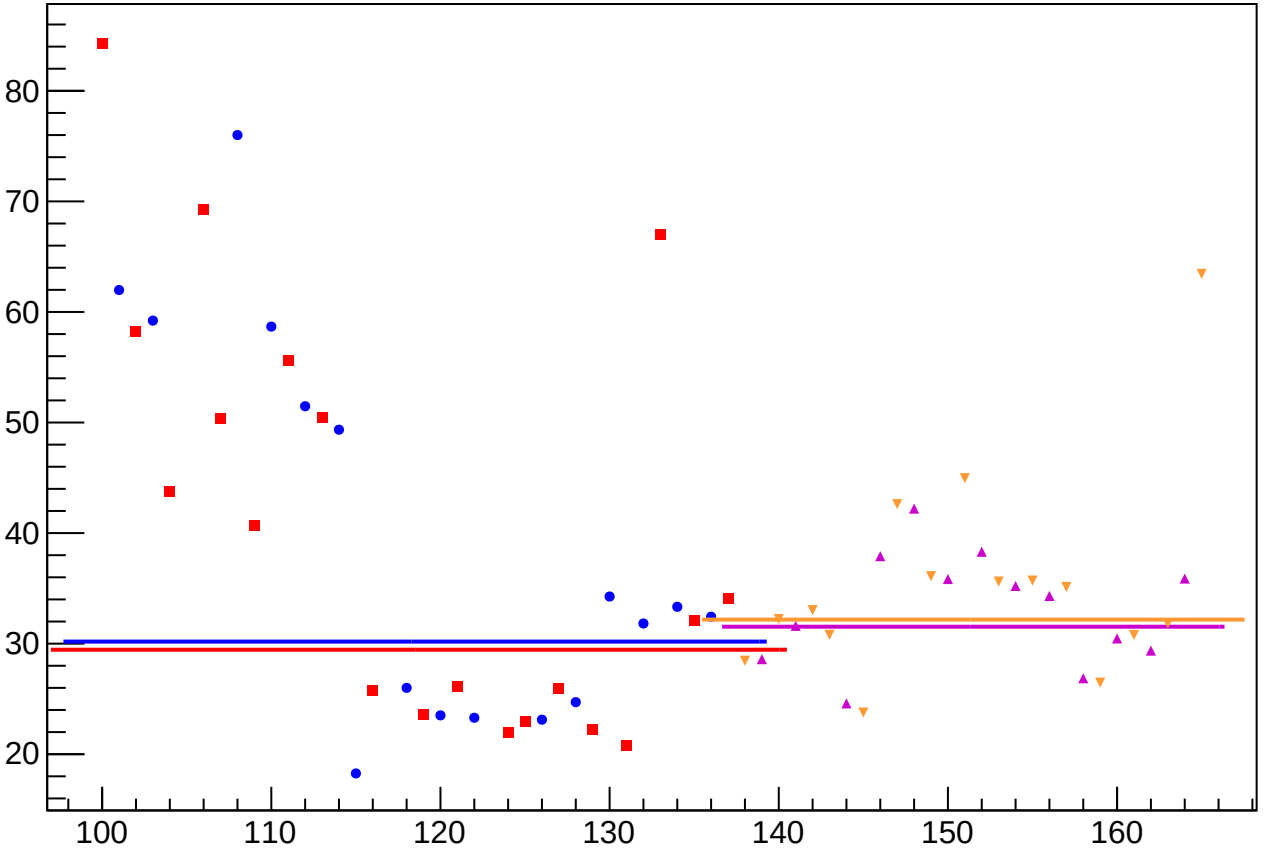
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/62

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.174+/-0.007 χ^2/NDF:863810.6/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.531+/-0.007 χ^2/NDF:486966.4/12

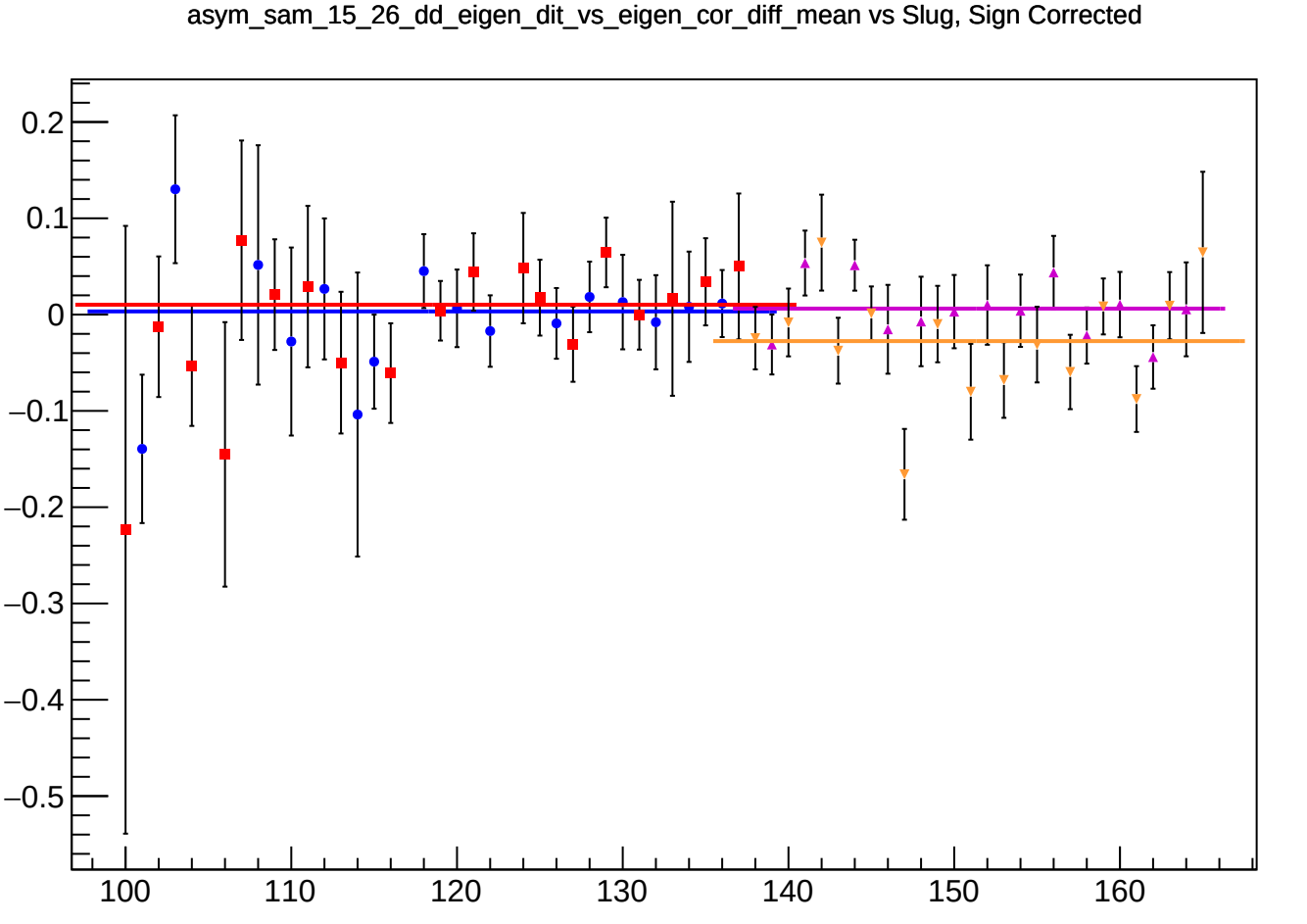
Left: 31.859+/-0.005 χ^2/NDF: 1355139.2/27

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.006+/-0.005 χ^2/NDF:2188760.8/28

Out: 31.086+/-0.005 χ^2/NDF:2776227.8/33

All: 31.047+/-0.004 χ^2/NDF: 4965098.9/62



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

Left: -0.011+/-0.007 χ^2/NDF: 41.2/27

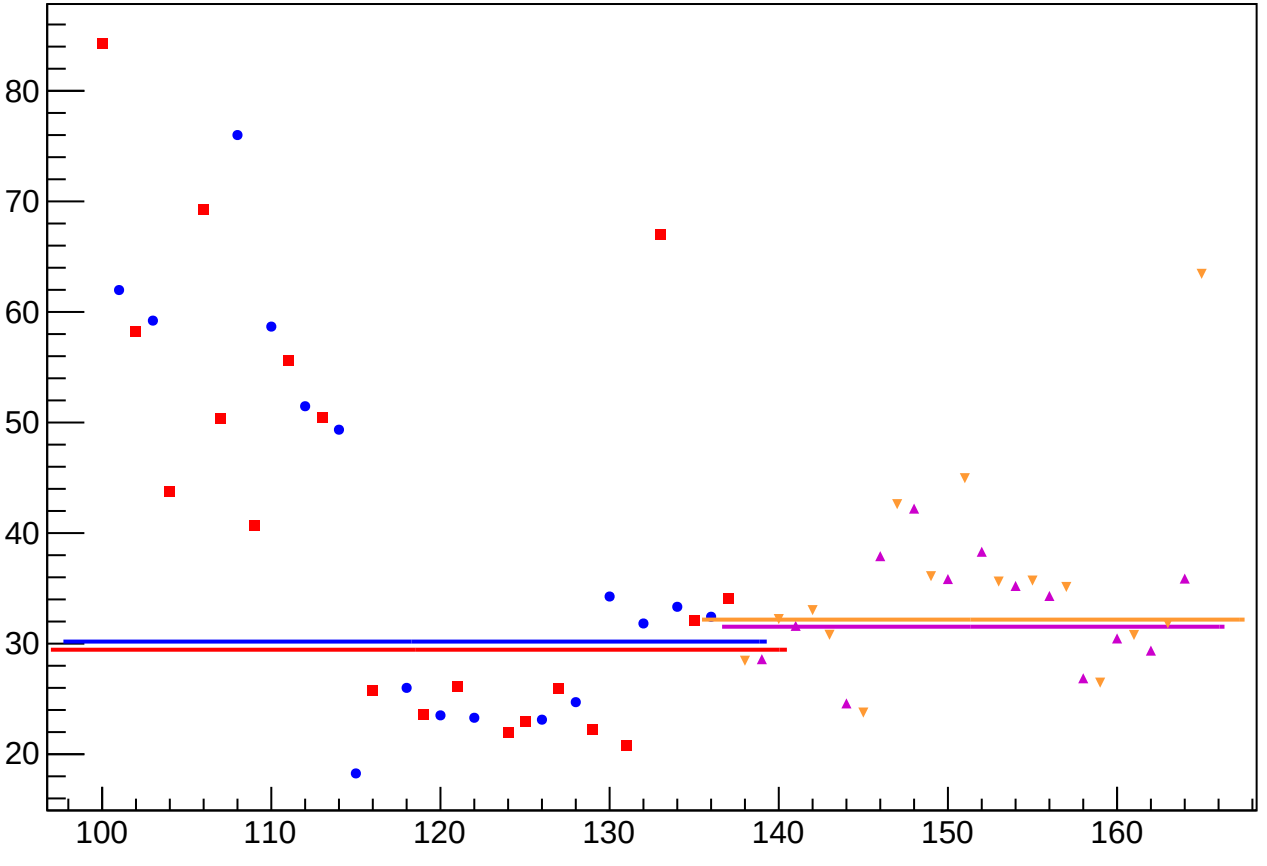
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/62

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: 32.174+/-0.007 χ^2/NDF:863810.6/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.531+/-0.007 χ^2/NDF:486966.4/12

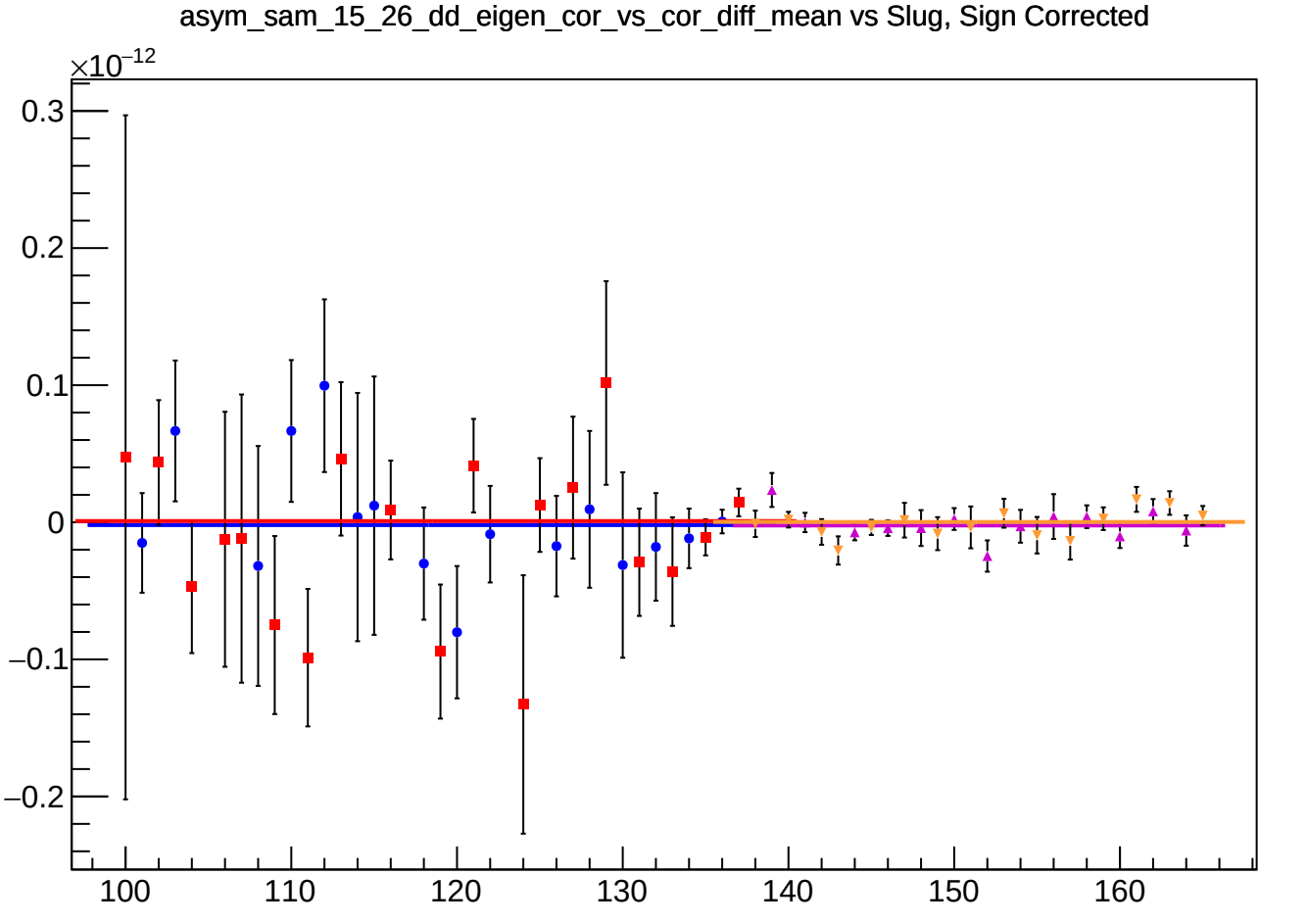
Left: 31.859+/-0.005 χ^2/NDF: 1355139.2/27

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.006+/-0.005 χ^2/NDF:2188760.8/28

Out: 31.086+/-0.005 χ^2/NDF:2776227.8/33

All: 31.047+/-0.004 χ^2/NDF: 4965098.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/12

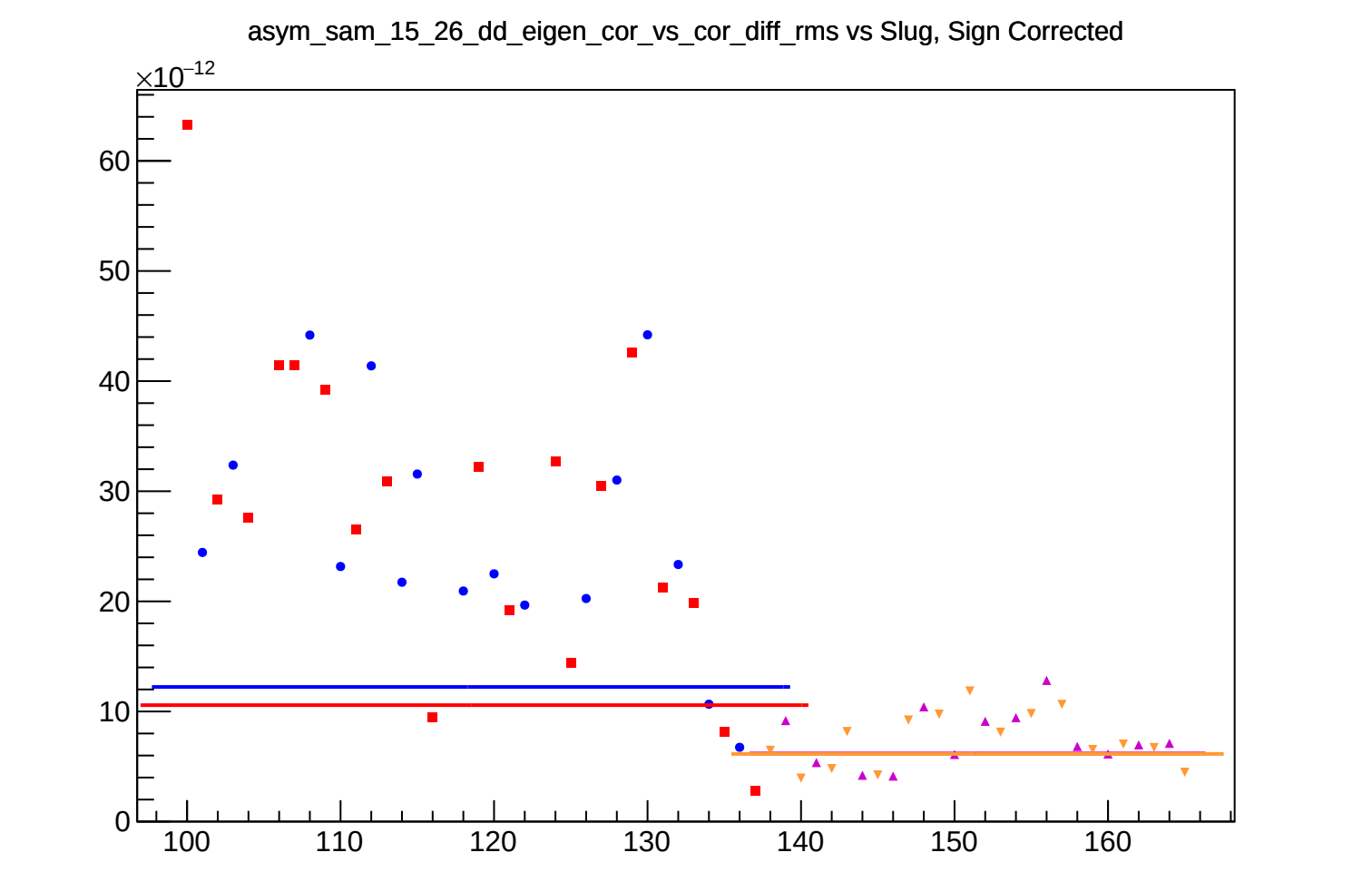
Left: -0.000+/-0.000 χ^2/NDF: 27.3/27

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:23.0/28

Out: 0.000+/-0.000 χ^2/NDF:35.6/33

All: -0.000+/-0.000 χ^2/NDF: 59.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1817830.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1494649.9/12

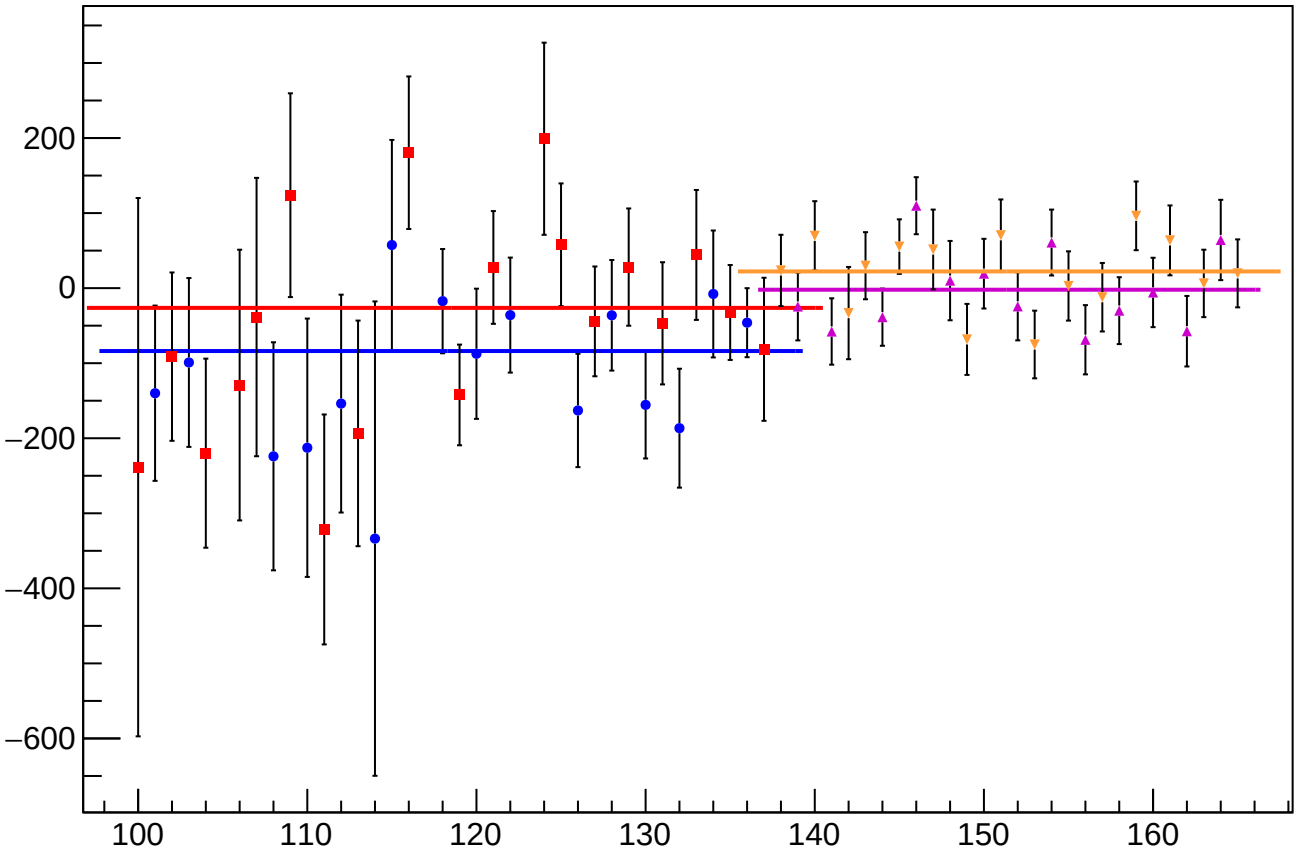
Left: 0.000+/-0.000 χ^2/NDF: 3312854.9/27

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6329382.1/28

Out: 0.000+/-0.000 χ^2/NDF:7379583.2/33

All: 0.000+/-0.000 χ^2/NDF: 13720695.8/62



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.252+/-11.919 χ^2/NDF:16.7/14

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -2.102+/-12.448 χ^2/NDF:19.4/12

Left: 10.604+/-8.609 χ^2/NDF: 38.0/27

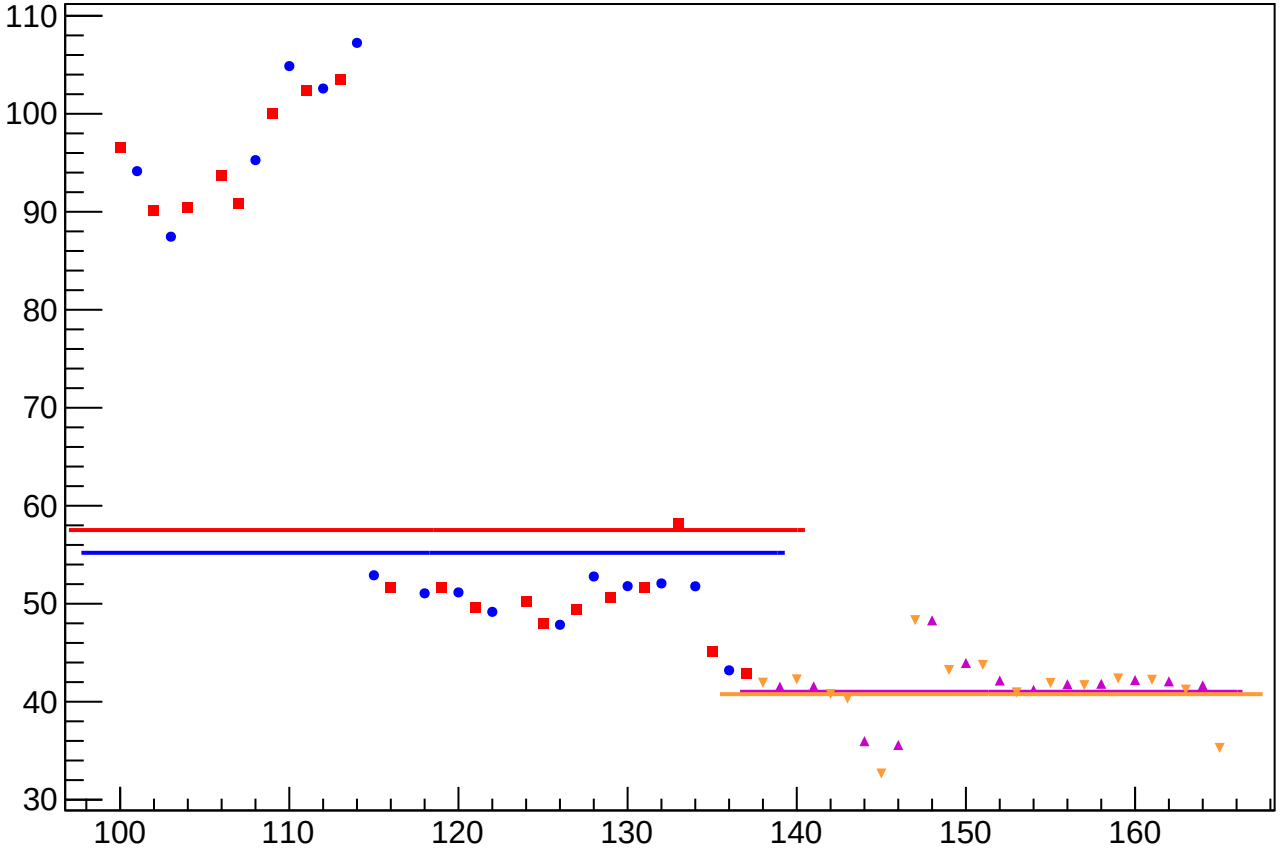
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -22.710+/-10.765 χ^2/NDF:40.8/28

Out: 11.286+/-10.487 χ^2/NDF:43.4/33

All: -5.268+/-7.512 χ^2/NDF: 89.3/62

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: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

Left: 40.888+/-0.006 χ^2/NDF: 320776.2/27

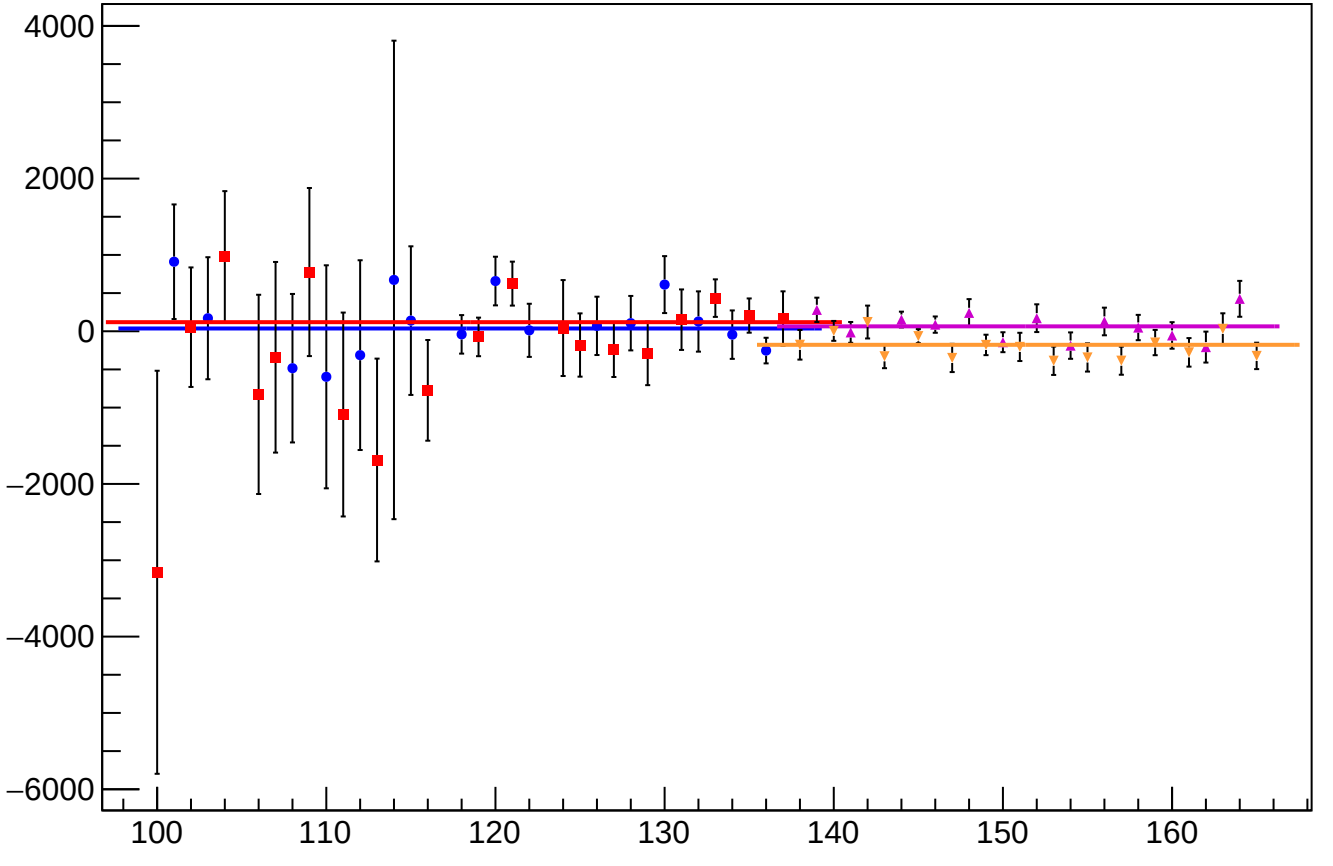
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.591+/-0.008 χ^2/NDF:1935165.4/28

Out: 44.554+/-0.007 χ^2/NDF:2366266.7/33

All: 44.572+/-0.005 χ^2/NDF: 4301444.4/62

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.513+/-41.100 χ^2/NDF:12.6/14

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 64.196+/-41.897 χ^2/NDF:13.7/12

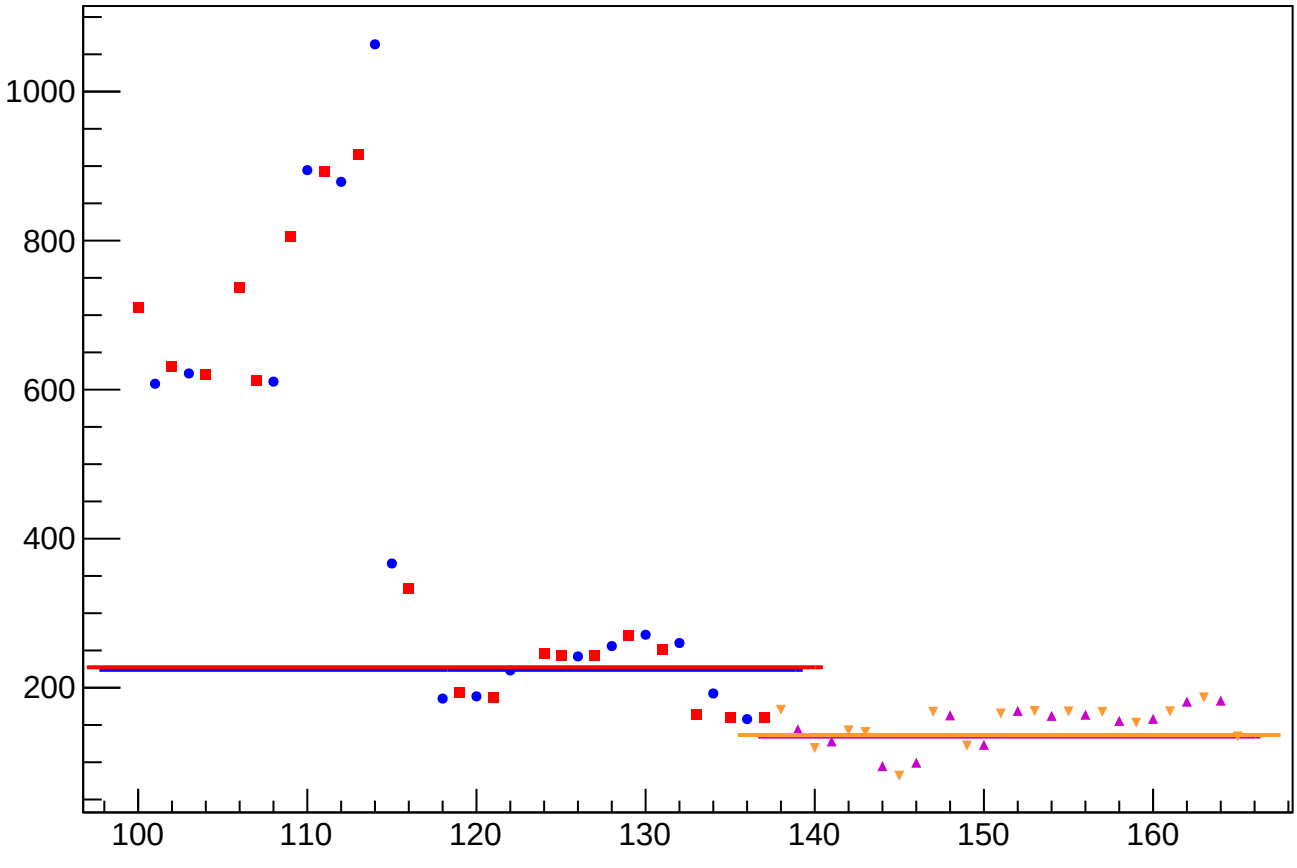
Left: -58.981+/-29.340 χ^2/NDF: 43.3/27

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 59.541+/-38.239 χ^2/NDF:25.2/28

Out: -131.422+/-37.773 χ^2/NDF:36.8/33

All: -37.111+/-26.873 χ^2/NDF: 74.5/62



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313588.1/14

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 134.364+/-0.030 χ^2/NDF:1021721.8/12

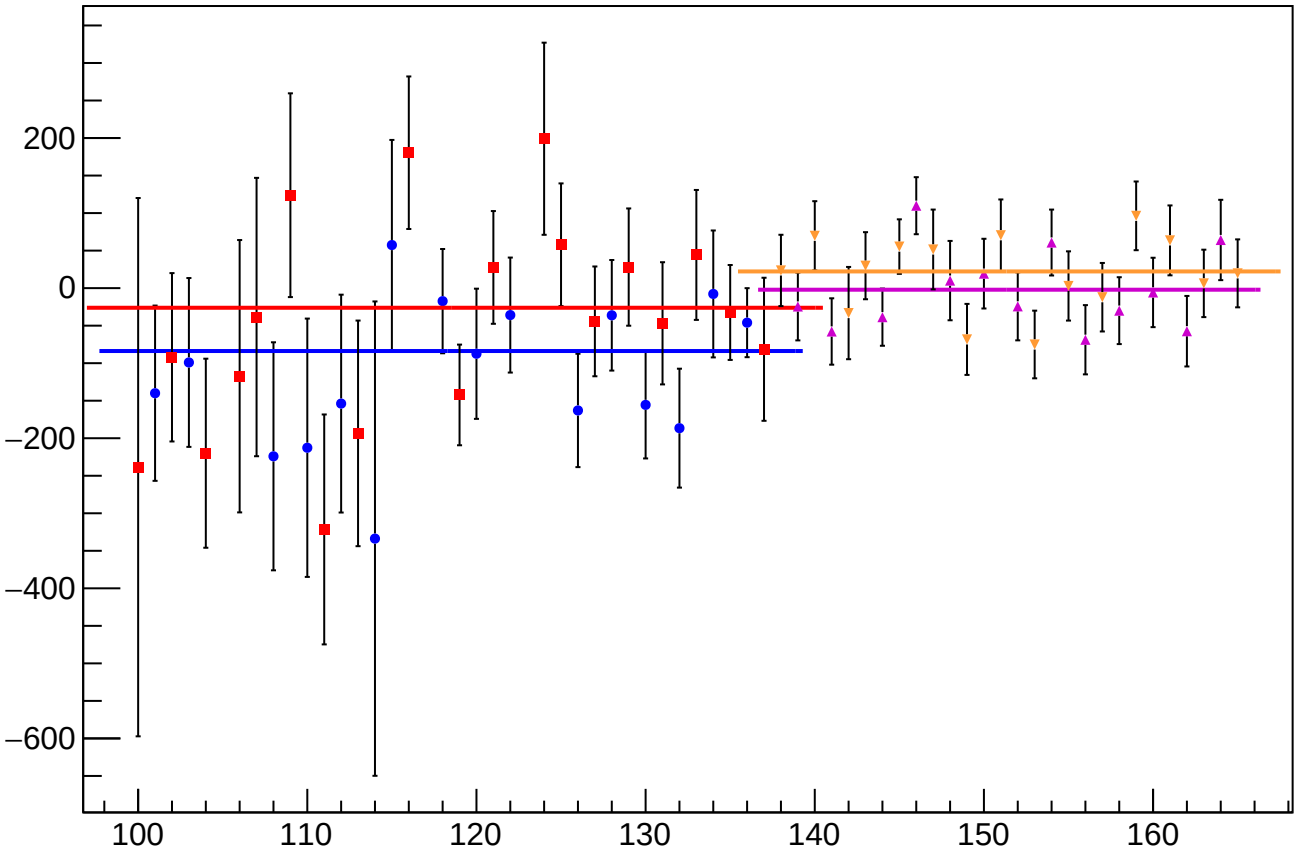
Left: 135.491+/-0.021 χ^2/NDF: 2338146.0/27

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 149.343+/-0.027 χ^2/NDF:5520222.3/28

Out: 150.692+/-0.027 χ^2/NDF:6473275.1/33

All: 150.026+/-0.019 χ^2/NDF: 11994757.7/62



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.253+/-11.919 χ^2/NDF:16.7/14

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.102+/-12.448 χ^2/NDF:19.4/12

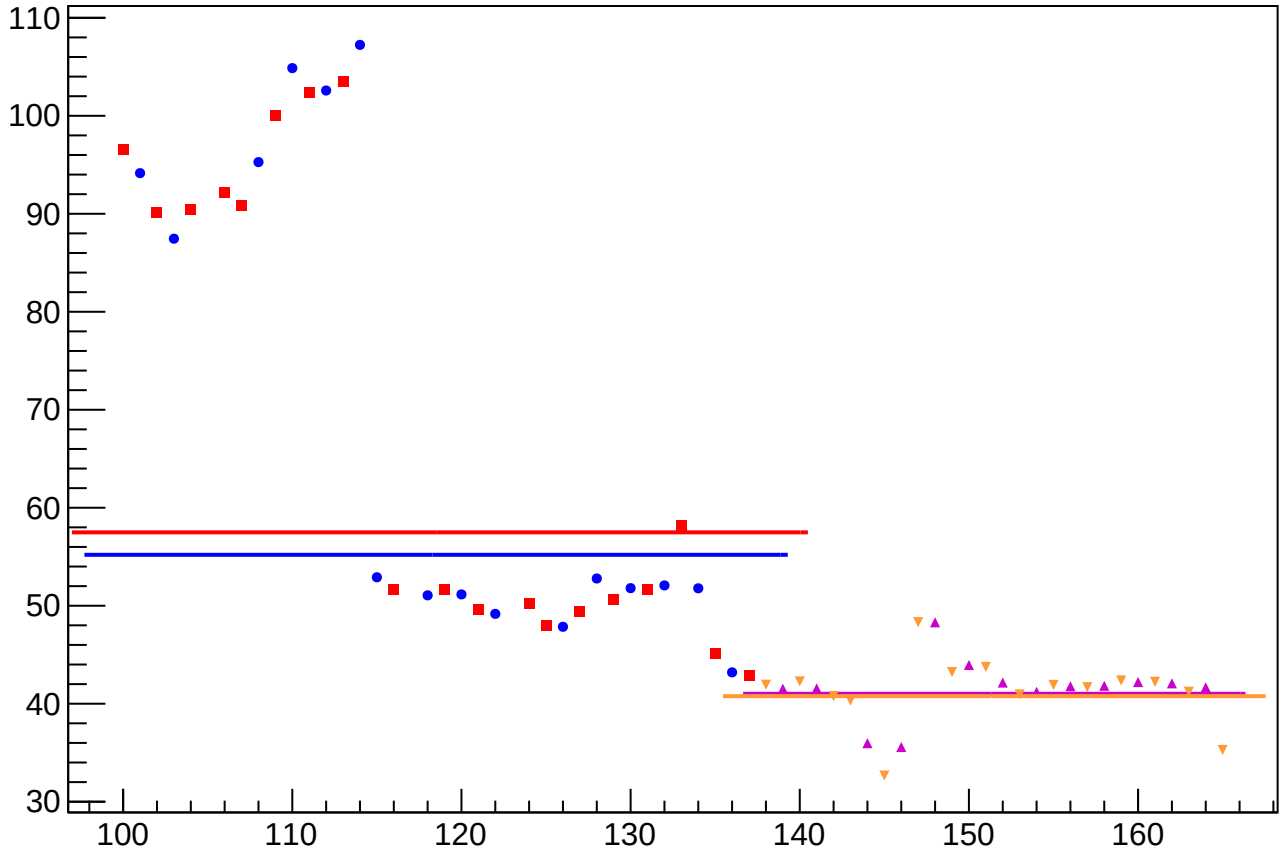
Left: 10.604+/-8.609 χ^2/NDF: 38.0/27

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.709+/-10.765 χ^2/NDF:40.8/28

Out: 11.324+/-10.487 χ^2/NDF:43.3/33

All: -5.248+/-7.512 χ^2/NDF: 89.2/62



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

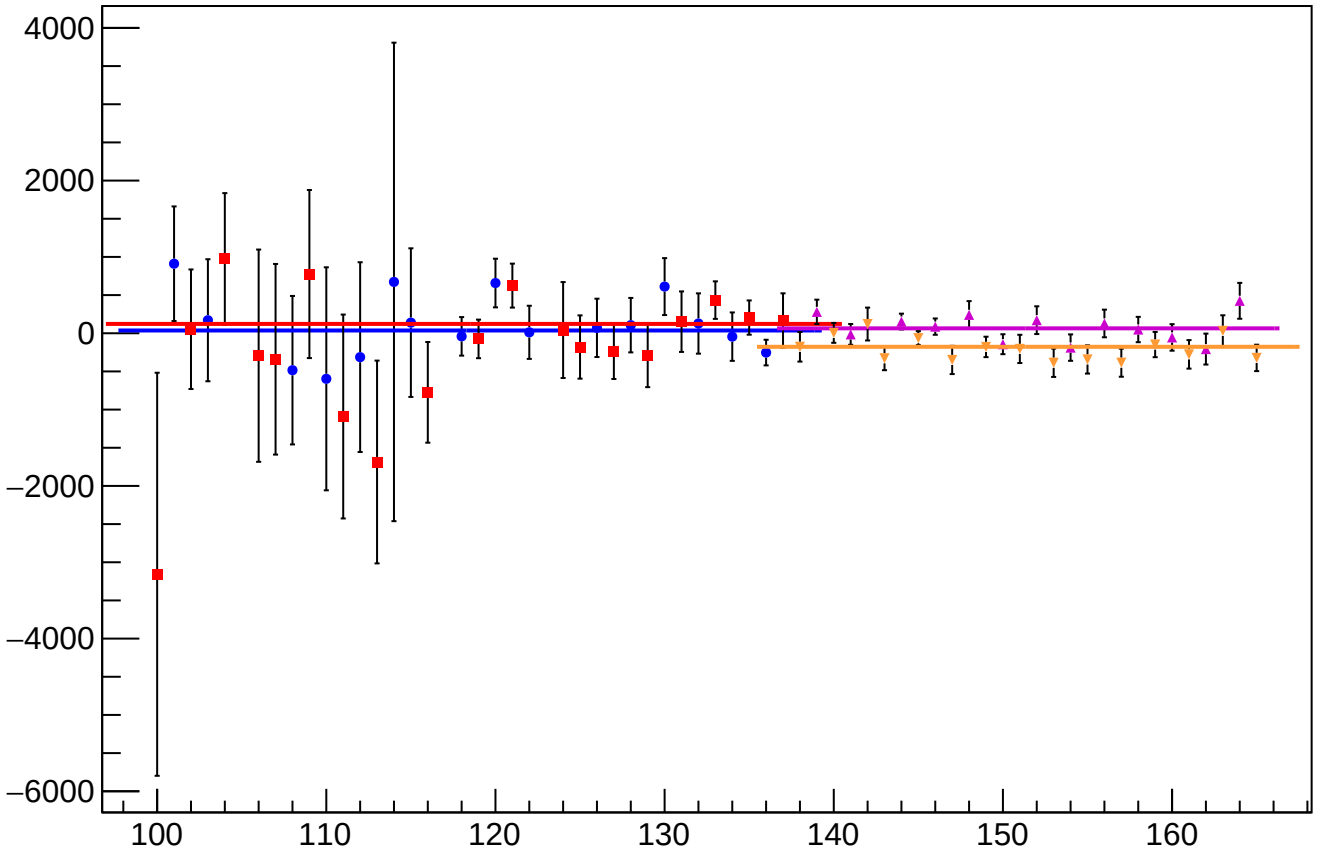
Left: 40.888+/-0.006 χ^2/NDF: 320776.3/27

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.591+/-0.008 χ^2/NDF:1935165.6/28

Out: 44.547+/-0.007 χ^2/NDF:2355656.6/33

All: 44.569+/-0.005 χ^2/NDF: 4290839.7/62



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.514+/-41.100 χ^2/NDF:12.6/14

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 64.195+/-41.897 χ^2/NDF:13.7/12

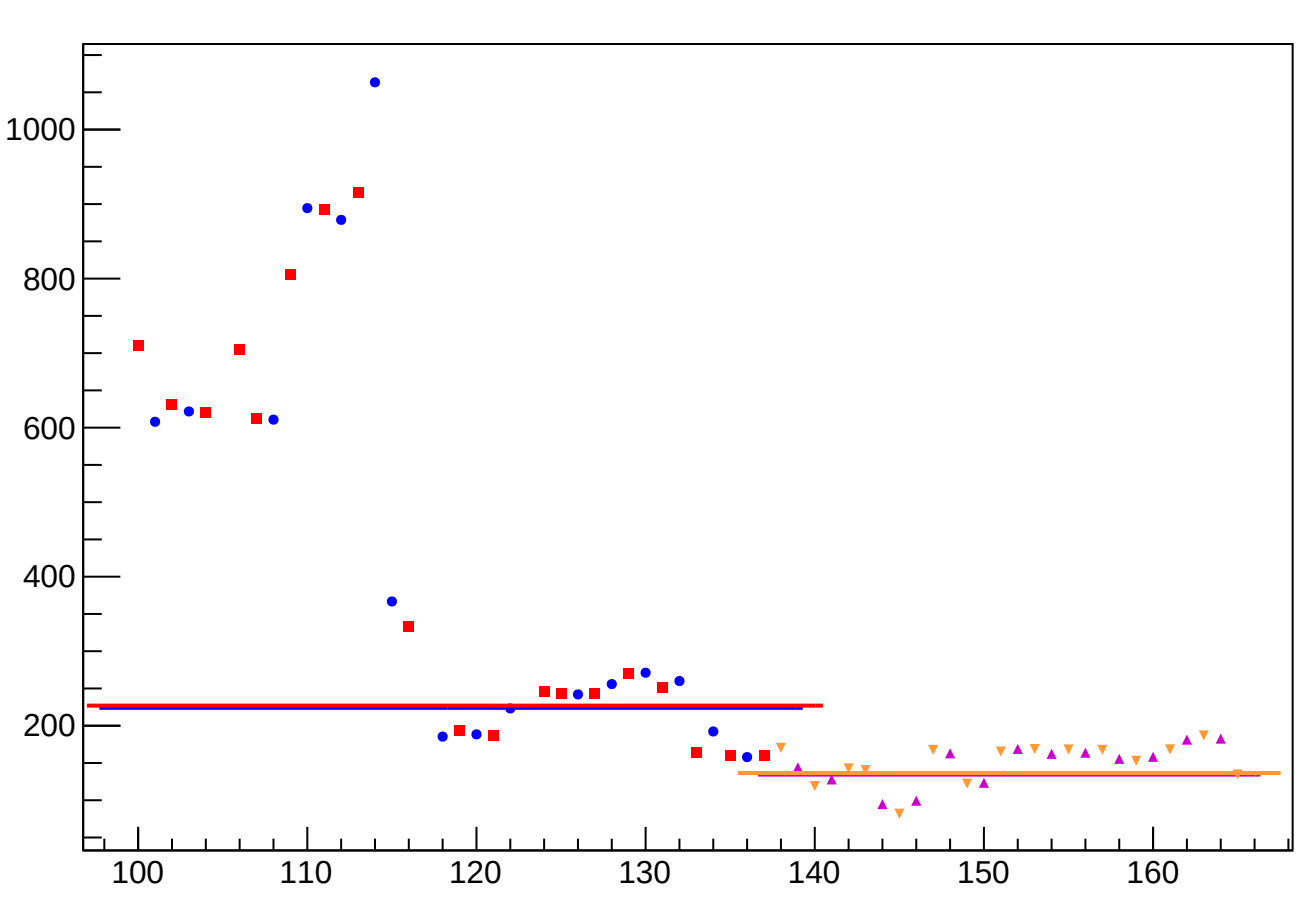
Left: -58.982+/-29.340 χ^2/NDF: 43.3/27

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.540+/-38.239 χ^2/NDF:25.2/28

Out: -130.964+/-37.775 χ^2/NDF:36.5/33

All: -36.874+/-26.873 χ^2/NDF: 74.2/62



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313591.3/14

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

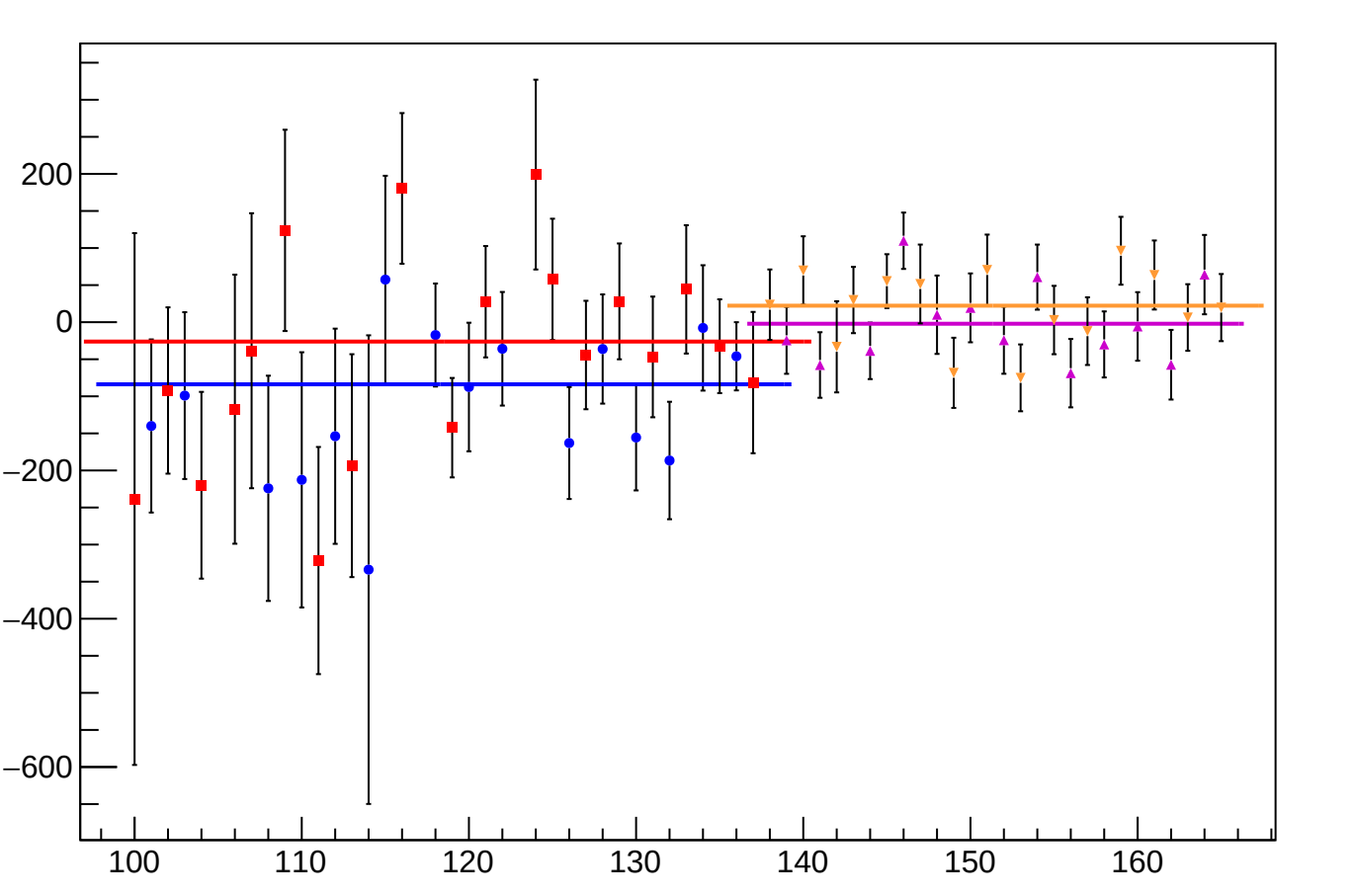
Left: 135.490+/-0.021 χ^2/NDF: 2338154.9/27

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 149.343+/-0.027 χ^2/NDF:5520239.6/28

Out: 150.610+/-0.027 χ^2/NDF:6387762.9/33

All: 149.984+/-0.019 χ^2/NDF: 11909114.0/62



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.253+/-11.919 χ^2/NDF:16.7/14

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.102+/-12.448 χ^2/NDF:19.4/12

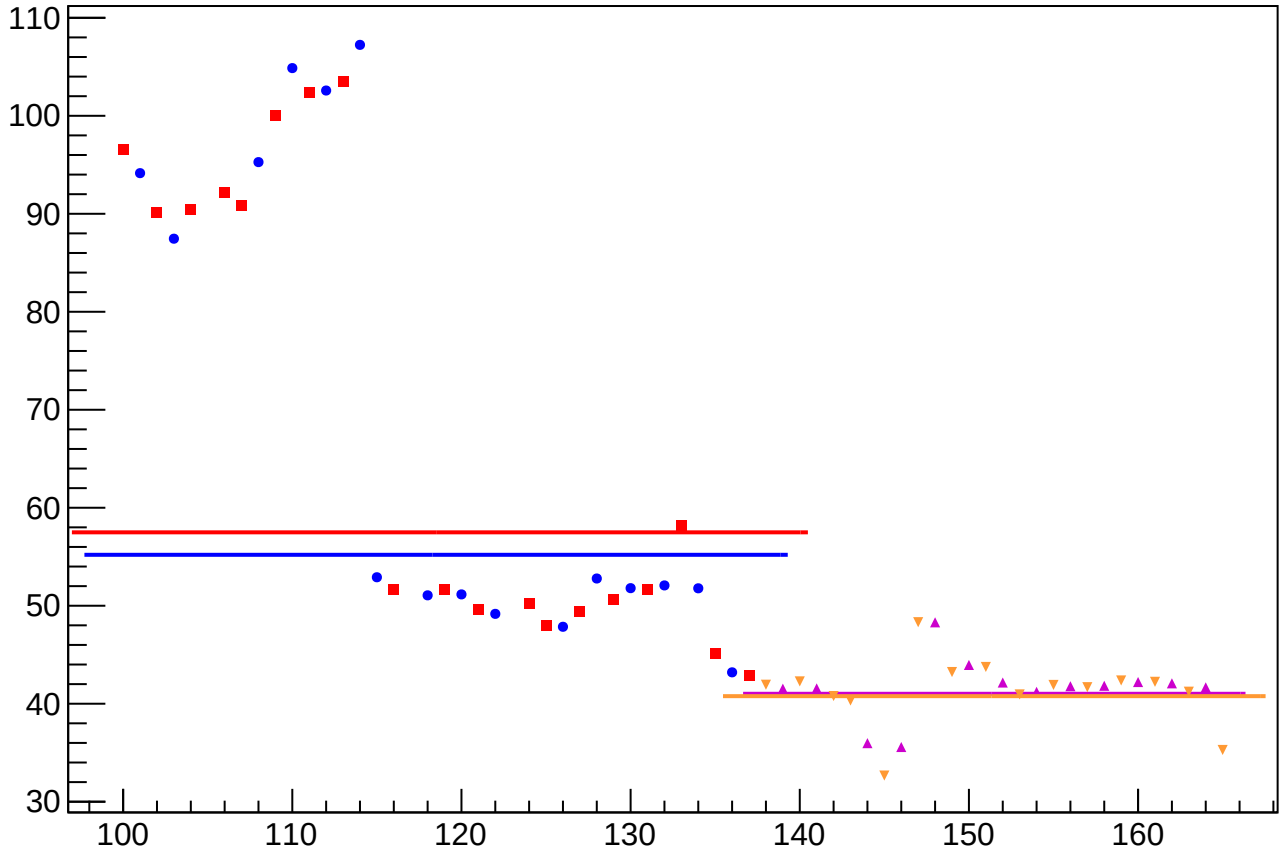
Left: 10.604+/-8.609 χ^2/NDF: 38.0/27

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.709+/-10.765 χ^2/NDF:40.8/28

Out: 11.324+/-10.487 χ^2/NDF:43.3/33

All: -5.248+/-7.512 χ^2/NDF: 89.2/62



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

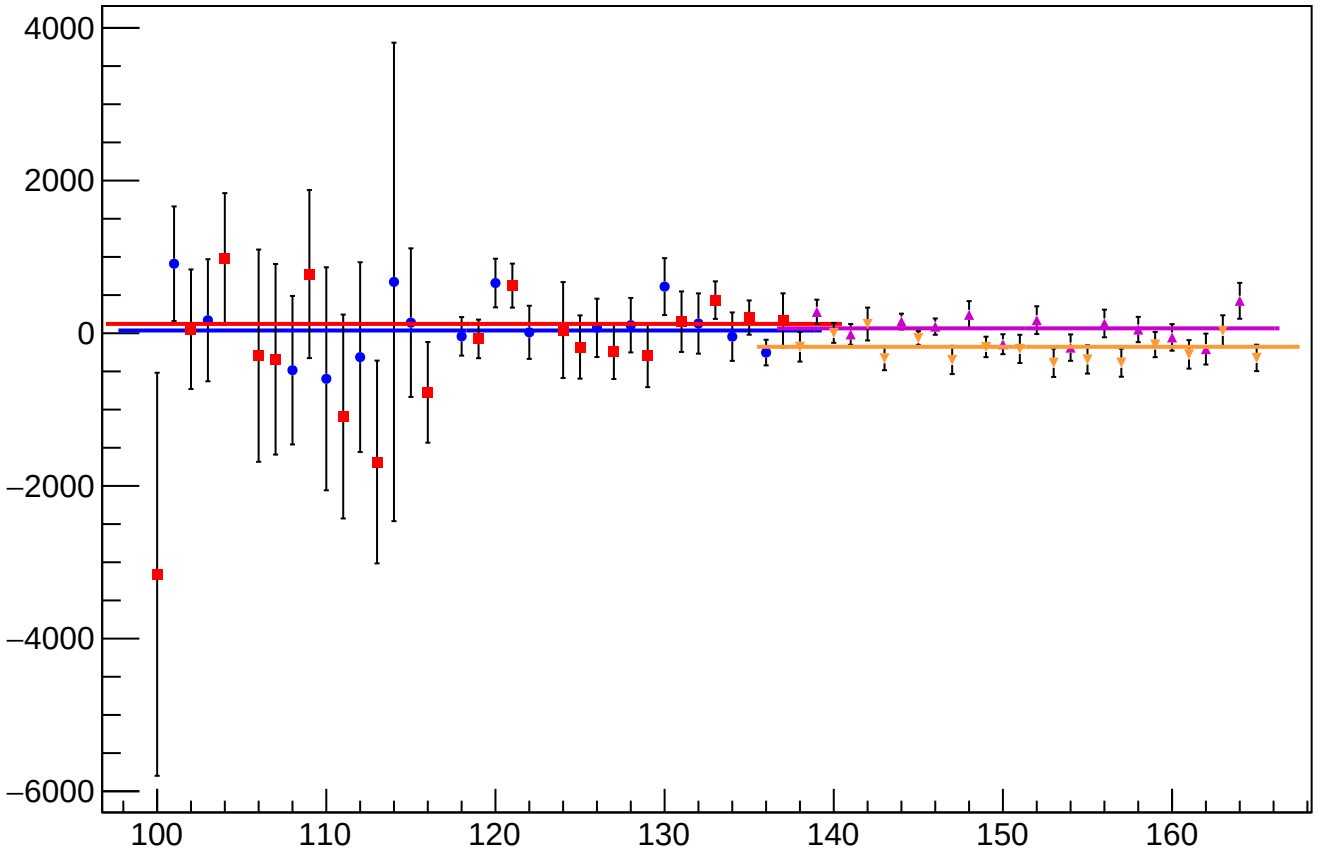
Left: 40.888+/-0.006 χ^2/NDF: 320776.3/27

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.591+/-0.008 χ^2/NDF:1935165.6/28

Out: 44.547+/-0.007 χ^2/NDF:2355656.6/33

All: 44.569+/-0.005 χ^2/NDF: 4290839.7/62



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.514+/-41.100 χ^2/NDF:12.6/14

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 64.195+/-41.897 χ^2/NDF:13.7/12

Left: -58.982+/-29.340 χ^2/NDF: 43.3/27

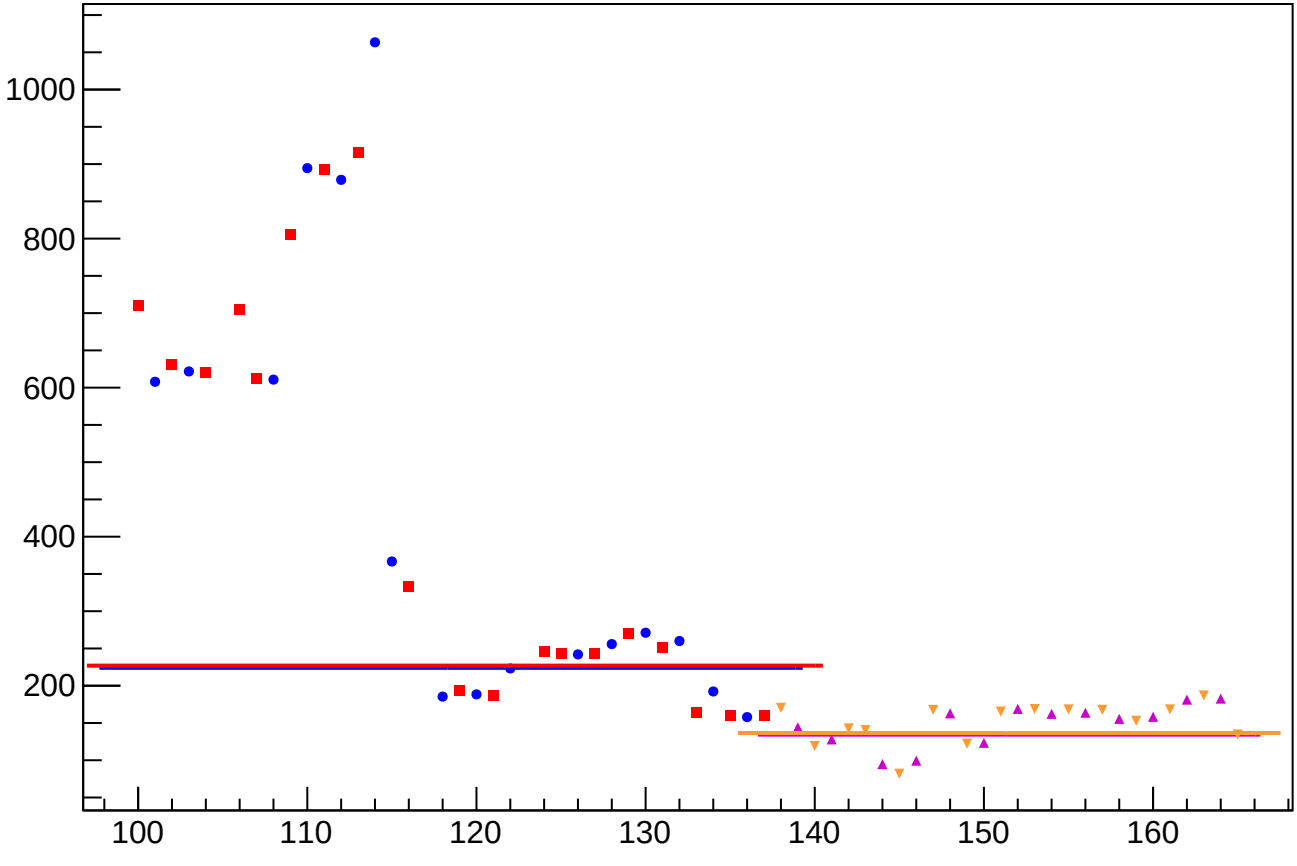
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.540+/-38.239 χ^2/NDF:25.2/28

Out: -130.964+/-37.775 χ^2/NDF:36.5/33

All: -36.874+/-26.873 χ^2/NDF: 74.2/62

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: 136.574+/-0.029 χ^2/NDF:1313591.3/14

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

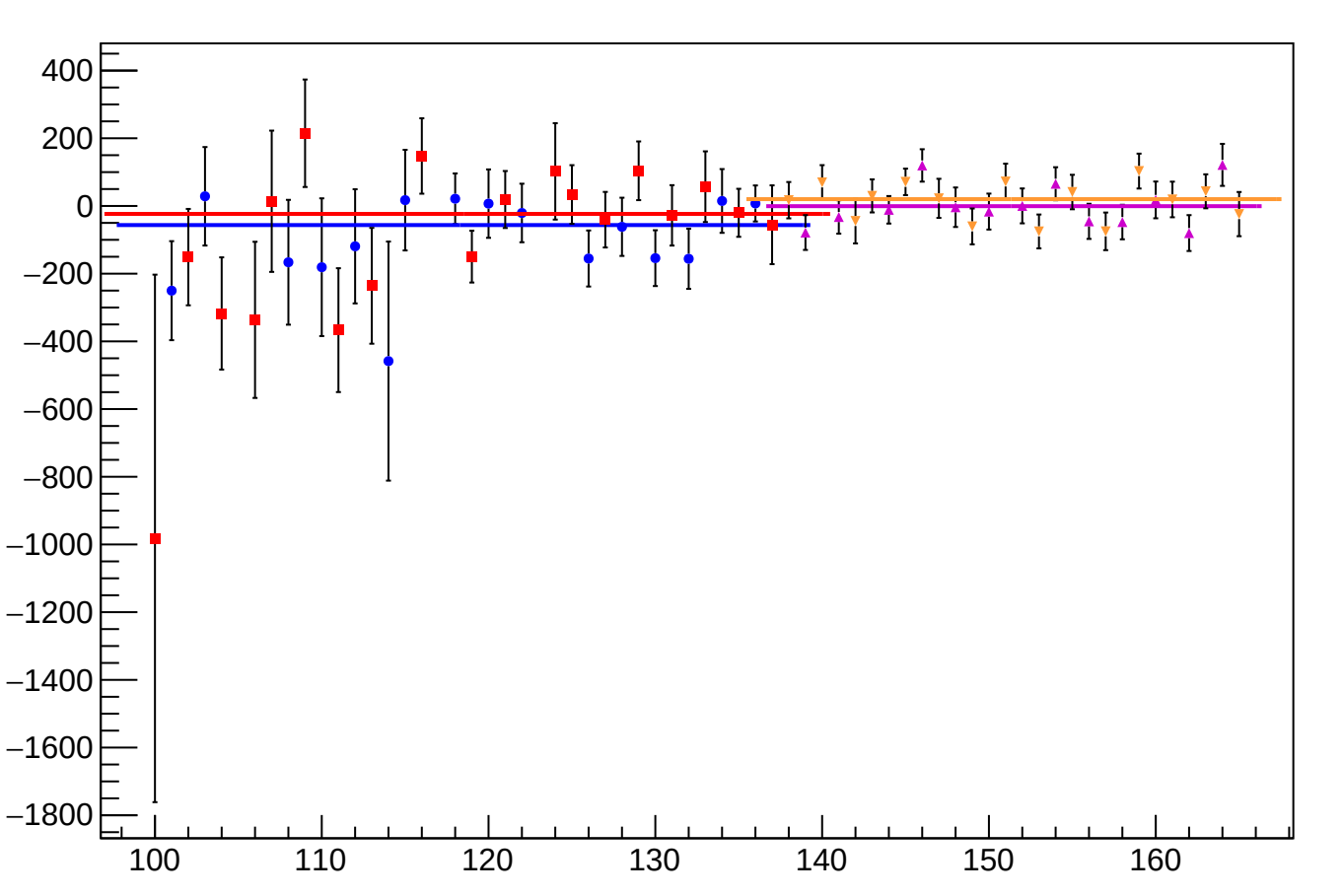
Left: 135.490+/-0.021 χ^2/NDF: 2338154.9/27

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 149.343+/-0.027 χ^2/NDF:5520239.6/28

Out: 150.610+/-0.027 χ^2/NDF:6387762.9/33

All: 149.984+/-0.019 χ^2/NDF: 11909114.0/62



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.179+/-13.448 χ^2/NDF:16.9/14

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -0.590+/-14.161 χ^2/NDF:18.9/12

Left: 10.330+/-9.752 χ^2/NDF: 36.9/27

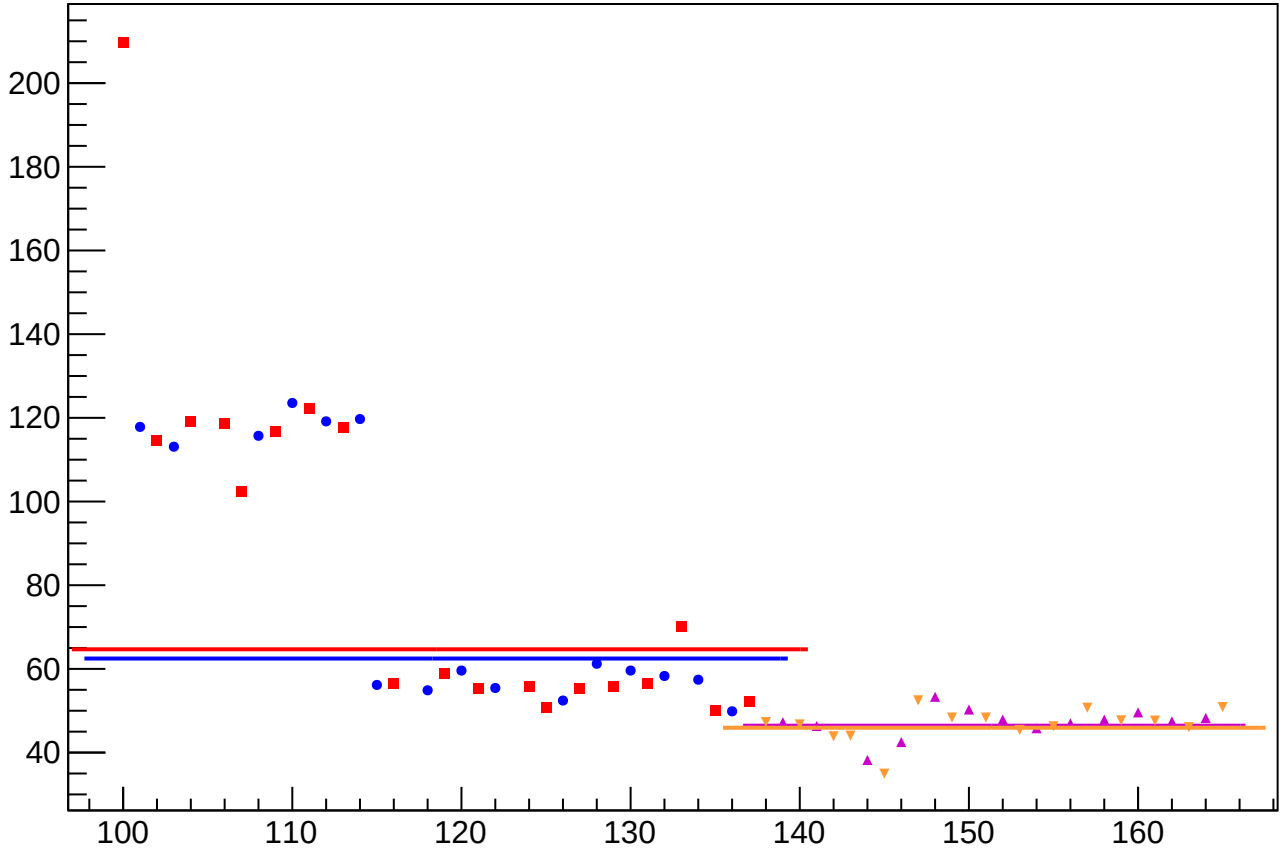
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -14.579+/-12.259 χ^2/NDF:35.0/28

Out: 10.474+/-11.860 χ^2/NDF:43.4/33

All: -1.638+/-8.524 χ^2/NDF: 80.5/62

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: 45.934+/-0.010 χ^2/NDF:229771.8/14

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 46.427+/-0.010 χ^2/NDF:147075.2/12

Left: 46.168+/-0.007 χ^2/NDF: 378120.2/27

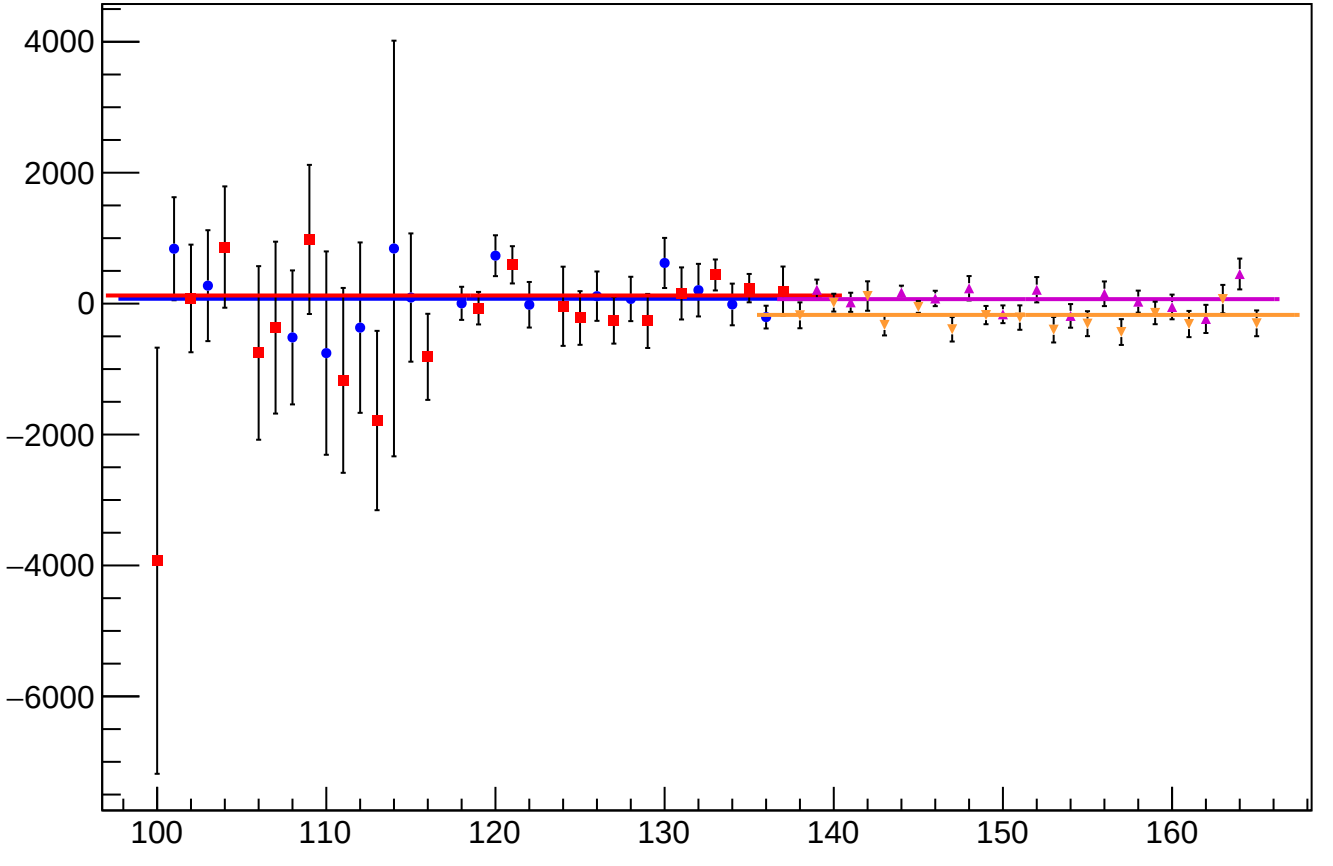
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.448+/-0.009 χ^2/NDF:2138870.1/28

Out: 50.100+/-0.008 χ^2/NDF:2683732.4/33

All: 50.268+/-0.006 χ^2/NDF: 4823438.2/62

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -172.420+/-42.417 χ^2/NDF:13.5/14

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 68.440+/-43.679 χ^2/NDF:13.5/12

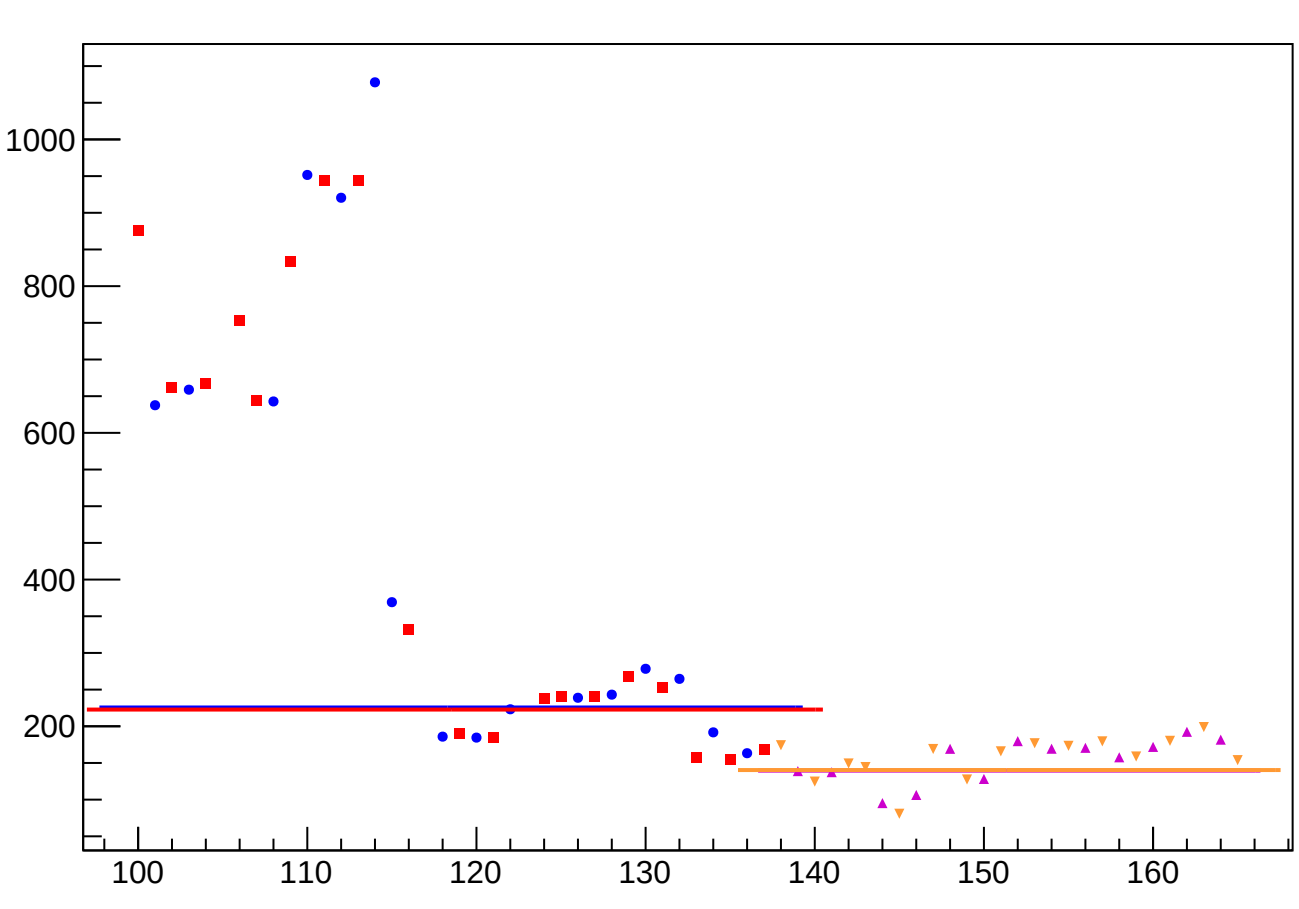
Left: -55.519+/-30.430 χ^2/NDF: 42.6/27

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 69.471+/-39.648 χ^2/NDF:24.7/28

Out: -122.824+/-38.709 χ^2/NDF:38.0/33

All: -28.981+/-27.698 χ^2/NDF: 74.7/62



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 140.324+/-0.030 χ^2/NDF:1533616.7/14

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 139.552+/-0.031 χ^2/NDF:1045312.3/12

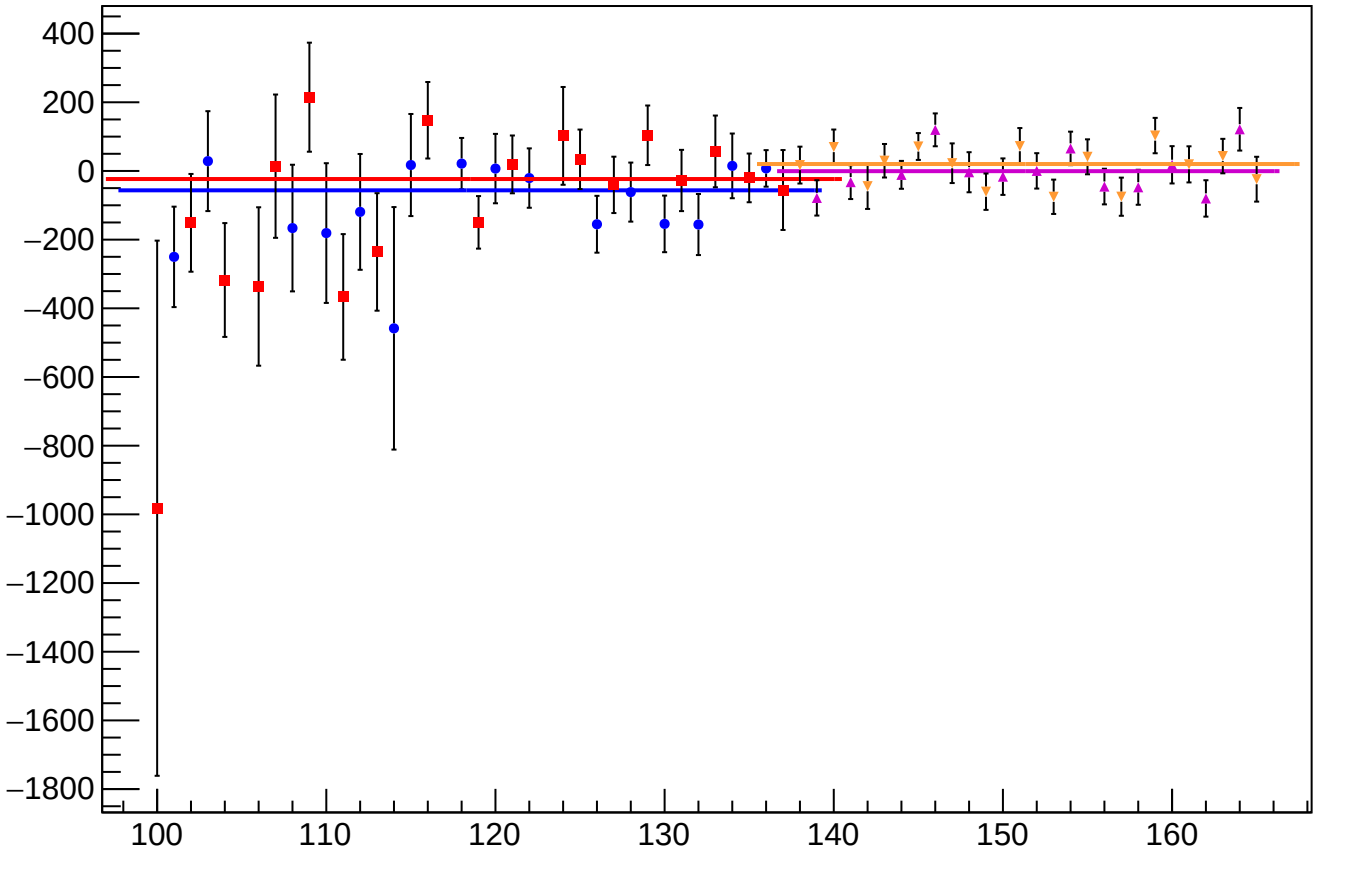
Left: 139.949+/-0.022 χ^2/NDF: 2579250.1/27

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 154.704+/-0.028 χ^2/NDF:5438291.9/28

Out: 154.111+/-0.027 χ^2/NDF:6645637.1/33

All: 154.401+/-0.020 χ^2/NDF: 12084157.6/62



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.179+/-13.448 χ^2/NDF:16.9/14

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -0.589+/-14.161 χ^2/NDF:18.9/12

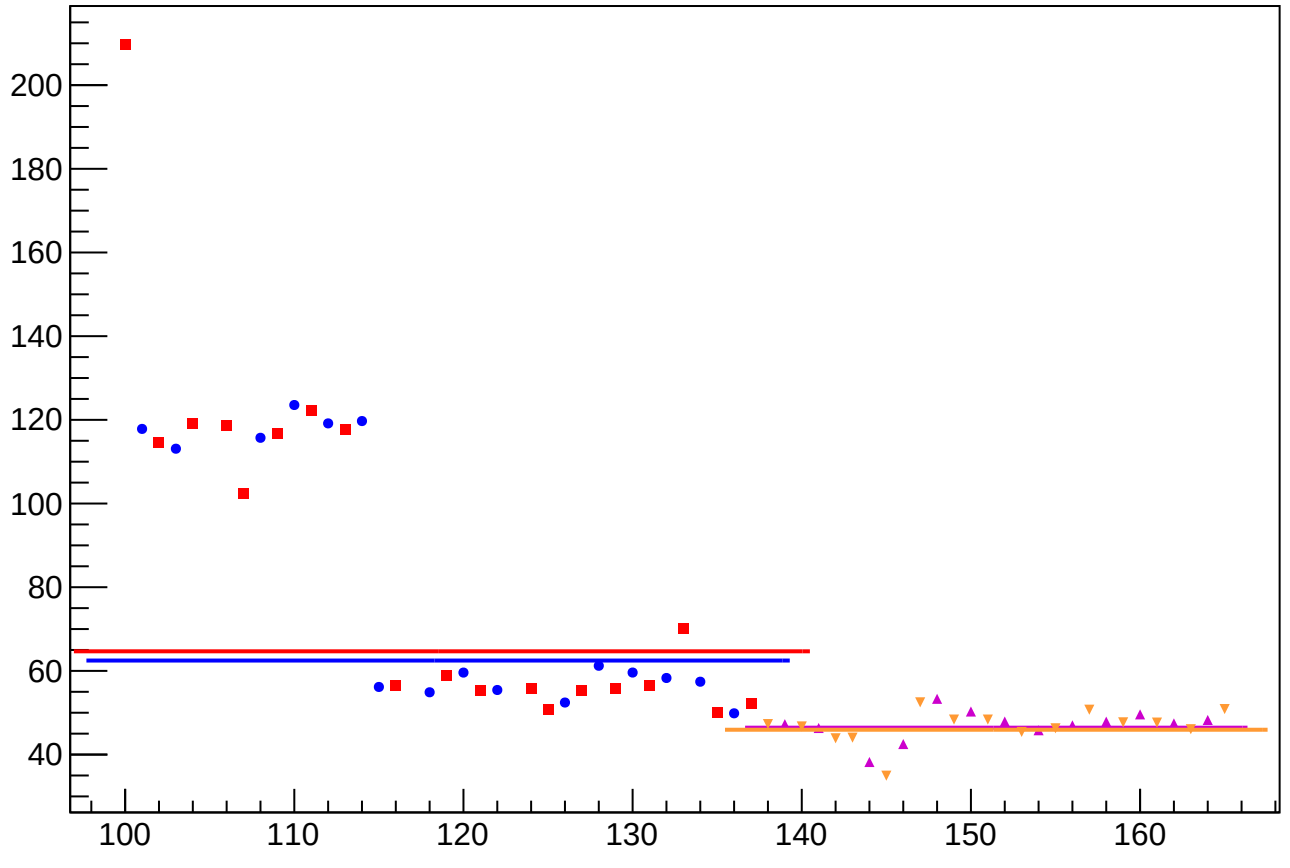
Left: 10.331+/-9.752 χ^2/NDF: 36.9/27

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -14.579+/-12.259 χ^2/NDF:35.0/28

Out: 10.474+/-11.860 χ^2/NDF:43.4/33

All: -1.638+/-8.524 χ^2/NDF: 80.5/62



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.935+/-0.010 χ^2/NDF:229775.9/14

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.427+/-0.010 χ^2/NDF:147076.6/12

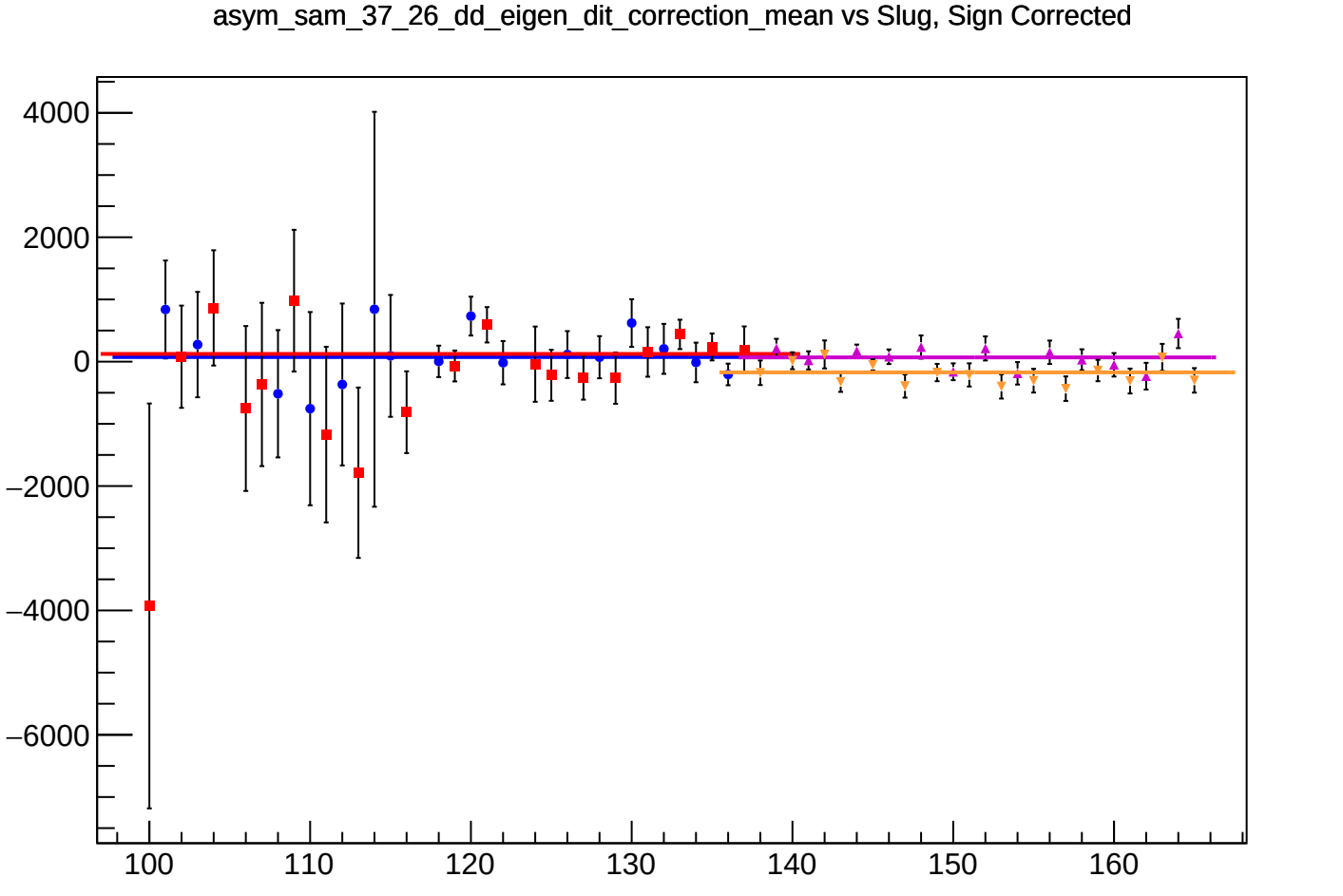
Left: 46.168+/-0.007 χ^2/NDF: 378125.7/27

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

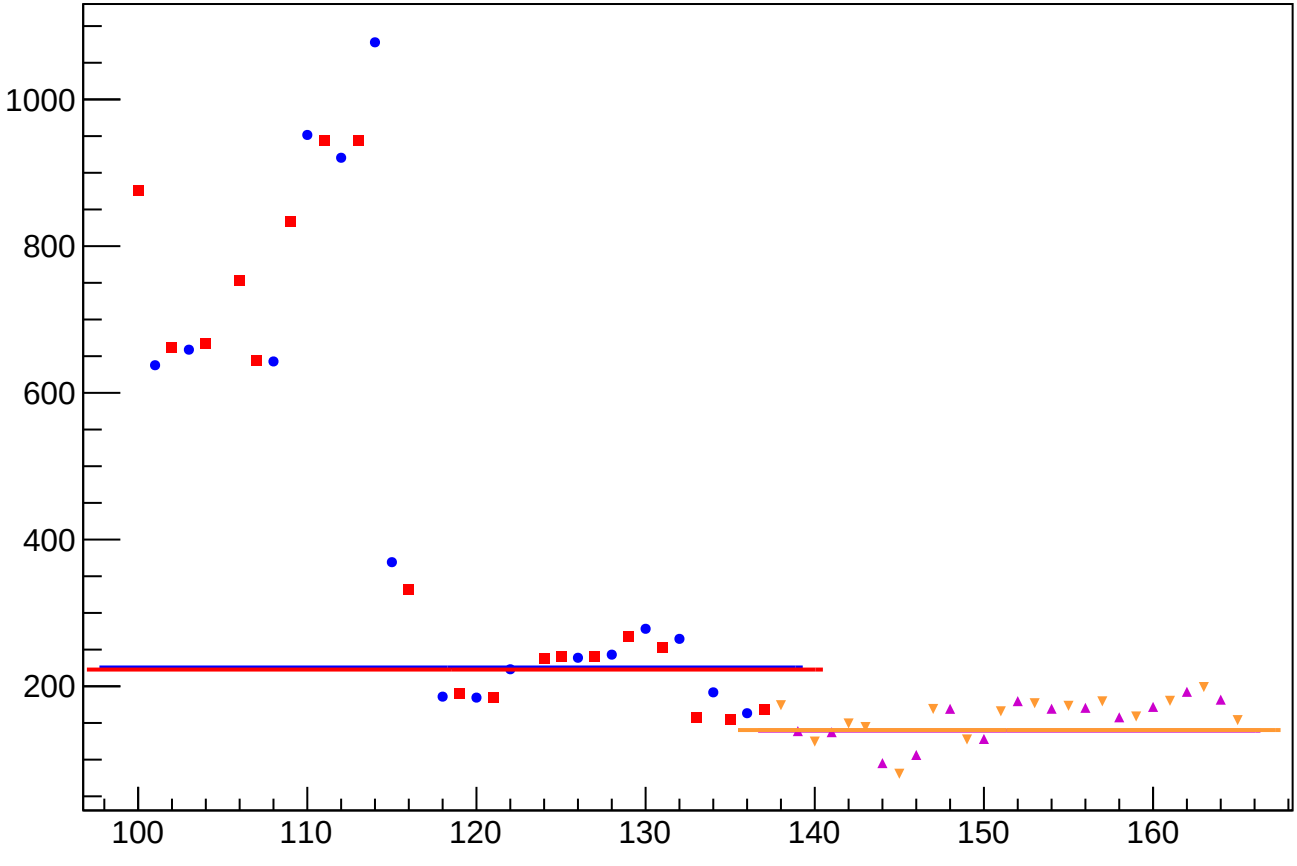
In: 50.449+/-0.009 χ^2/NDF:2138809.8/28

Out: 50.100+/-0.008 χ^2/NDF:2683686.8/33

All: 50.268+/-0.006 χ^2/NDF: 4823332.0/62


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
Right In: 74.295+/-94.492 χ²/NDF: 11.2/15
Left Out: -172.420+/-42.417 χ²/NDF:13.5/14
Right Out: 124.199+/-94.666 χ²/NDF: 16.3/18
Left In: 68.441+/-43.679 χ²/NDF:13.5/12
Left: -55.519+/-30.430 χ²/NDF: 42.6/27
Right: 99.201+/-66.877 χ²/NDF: 27.7/34
In: 69.472+/-39.648 χ²/NDF:24.7/28
Out: -122.825+/-38.709 χ²/NDF:38.0/33
All: -28.981+/-27.698 χ²/NDF: 74.7/62

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: 140.324+/-0.030 χ^2/NDF:1533602.5/14

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 139.552+/-0.031 χ^2/NDF:1045310.6/12

Left: 139.949+/-0.022 χ^2/NDF: 2579234.4/27

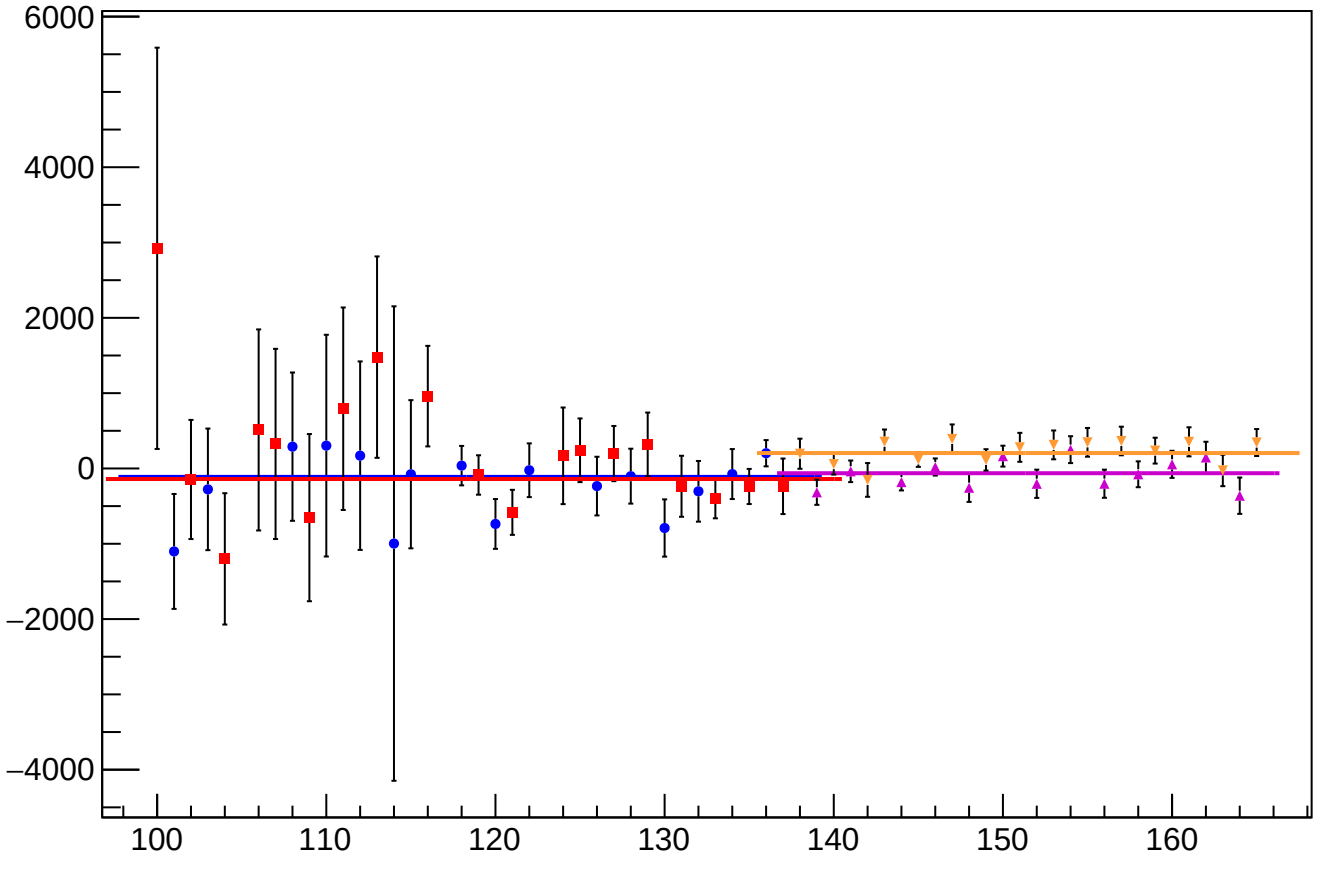
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 154.704+/-0.028 χ^2/NDF:5438269.3/28

Out: 154.112+/-0.027 χ^2/NDF:6645602.2/33

All: 154.401+/-0.020 χ^2/NDF: 12084100.0/62

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 204.698+/-43.080 χ^2/NDF:10.8/14

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -63.155+/-43.983 χ^2/NDF:14.9/12

Left: 73.550+/-30.776 χ^2/NDF: 44.7/27

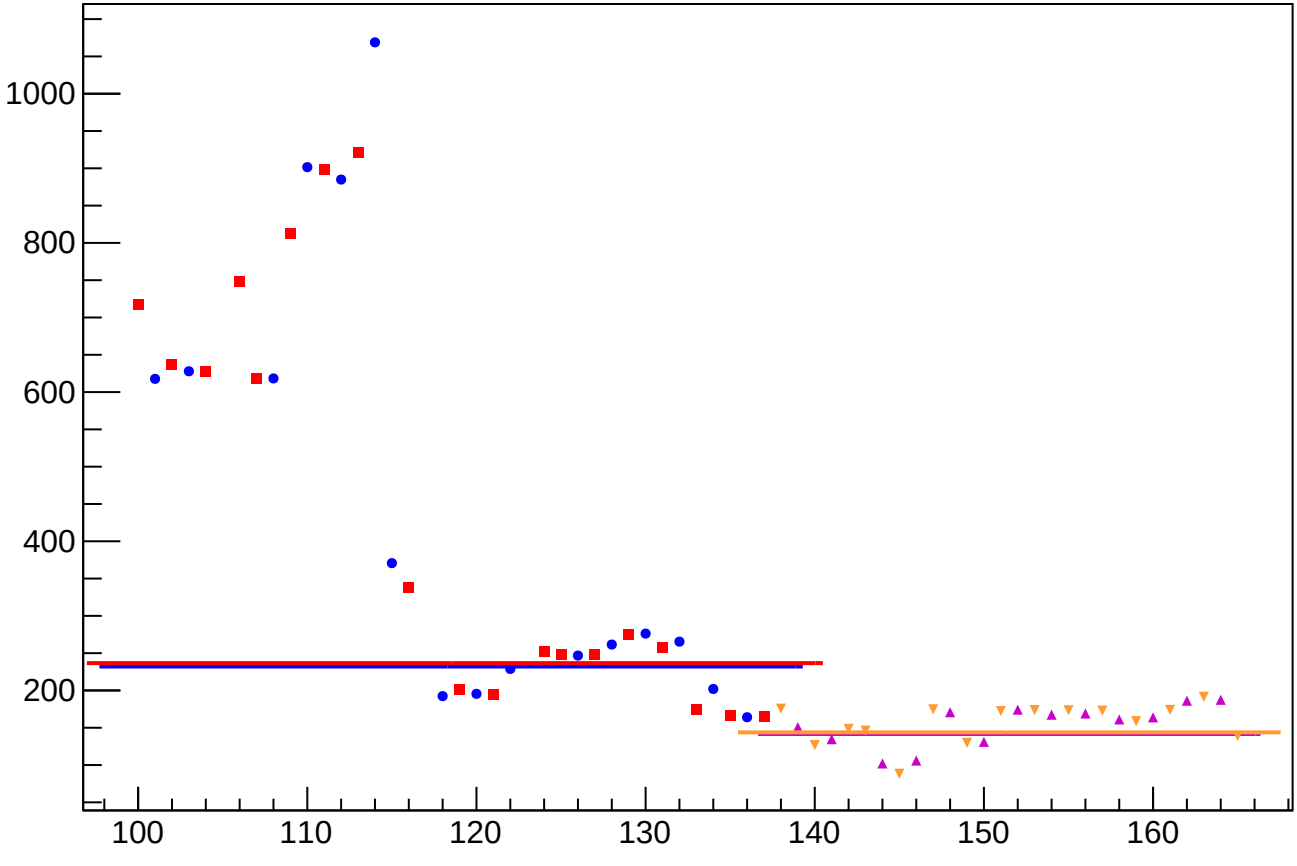
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -71.535+/-40.025 χ^2/NDF:27.9/28

Out: 149.986+/-39.513 χ^2/NDF:35.6/33

All: 40.653+/-28.119 χ^2/NDF: 79.1/62

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 143.796+/-0.030 χ^2/NDF:1142809.6/14

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.639+/-0.031 χ^2/NDF:886315.6/12

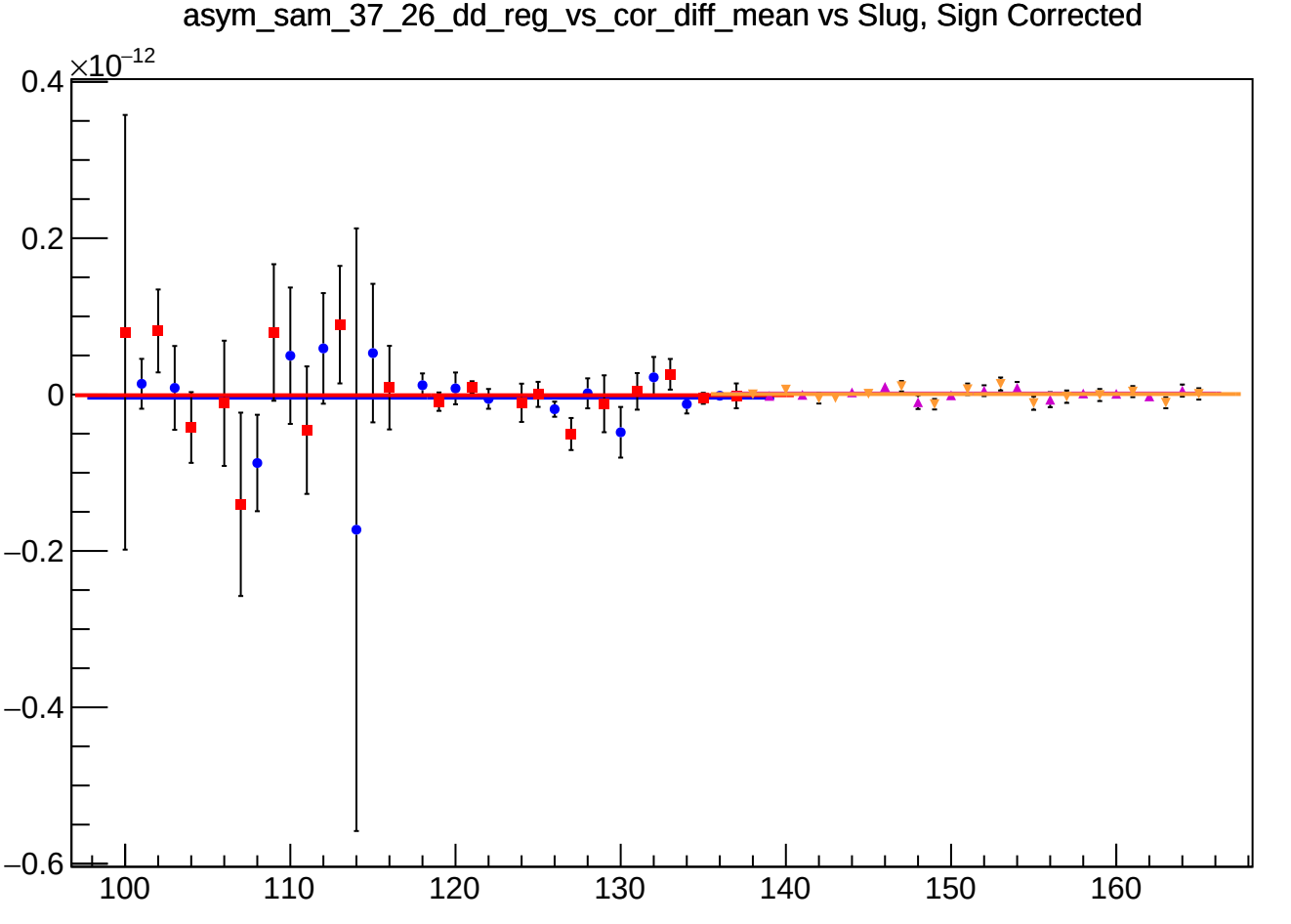
Left: 142.740+/-0.022 χ^2/NDF: 2031580.6/27

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 157.186+/-0.028 χ^2/NDF:5225983.5/28

Out: 158.535+/-0.028 χ^2/NDF:6138645.3/33

All: 157.870+/-0.020 χ^2/NDF: 11365779.0/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/12

Left: 0.000+/-0.000 χ^2/NDF: 25.1/27

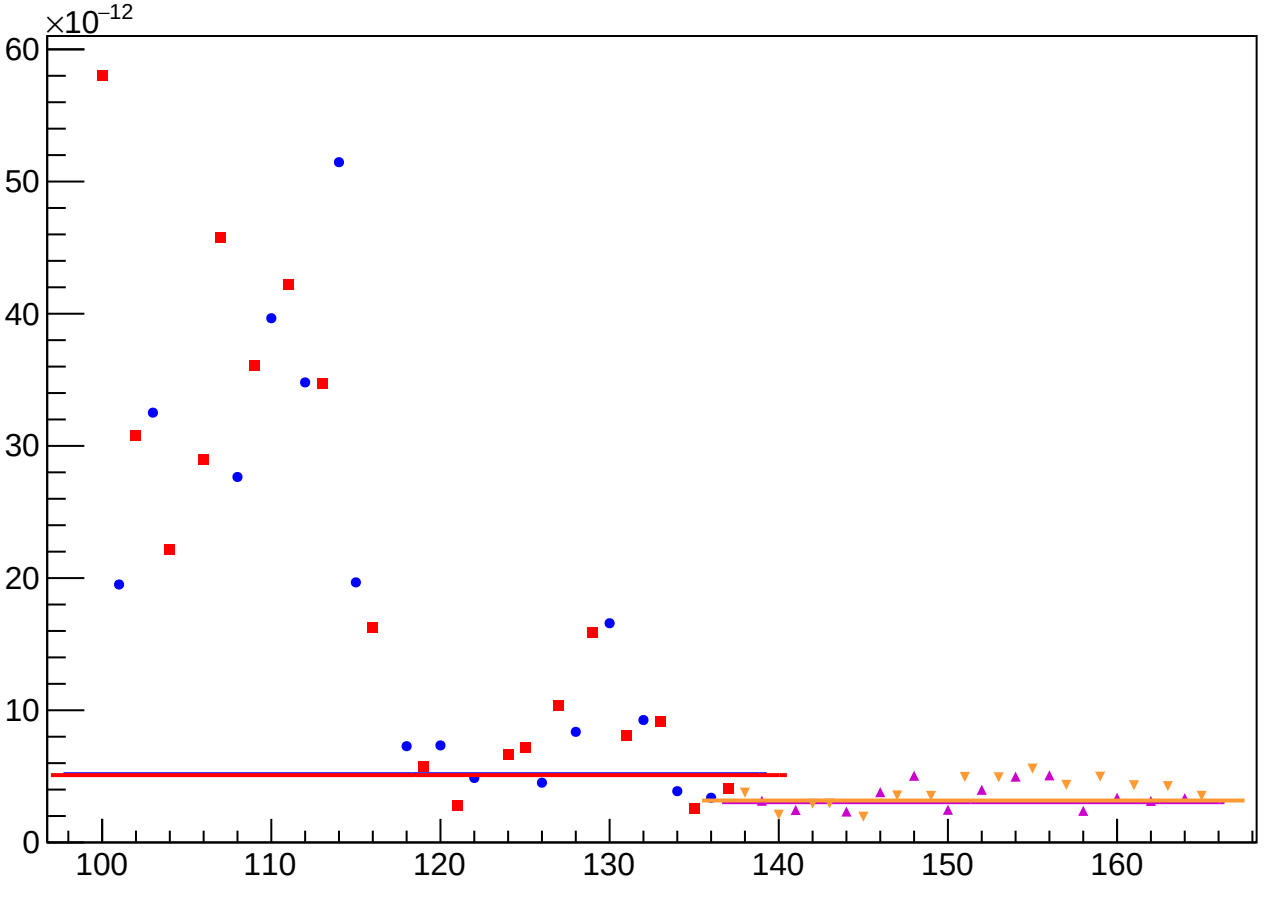
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:20.2/28

Out: 0.000+/-0.000 χ^2/NDF:36.1/33

All: 0.000+/-0.000 χ^2/NDF: 56.4/62

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1143431.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:594036.3/12

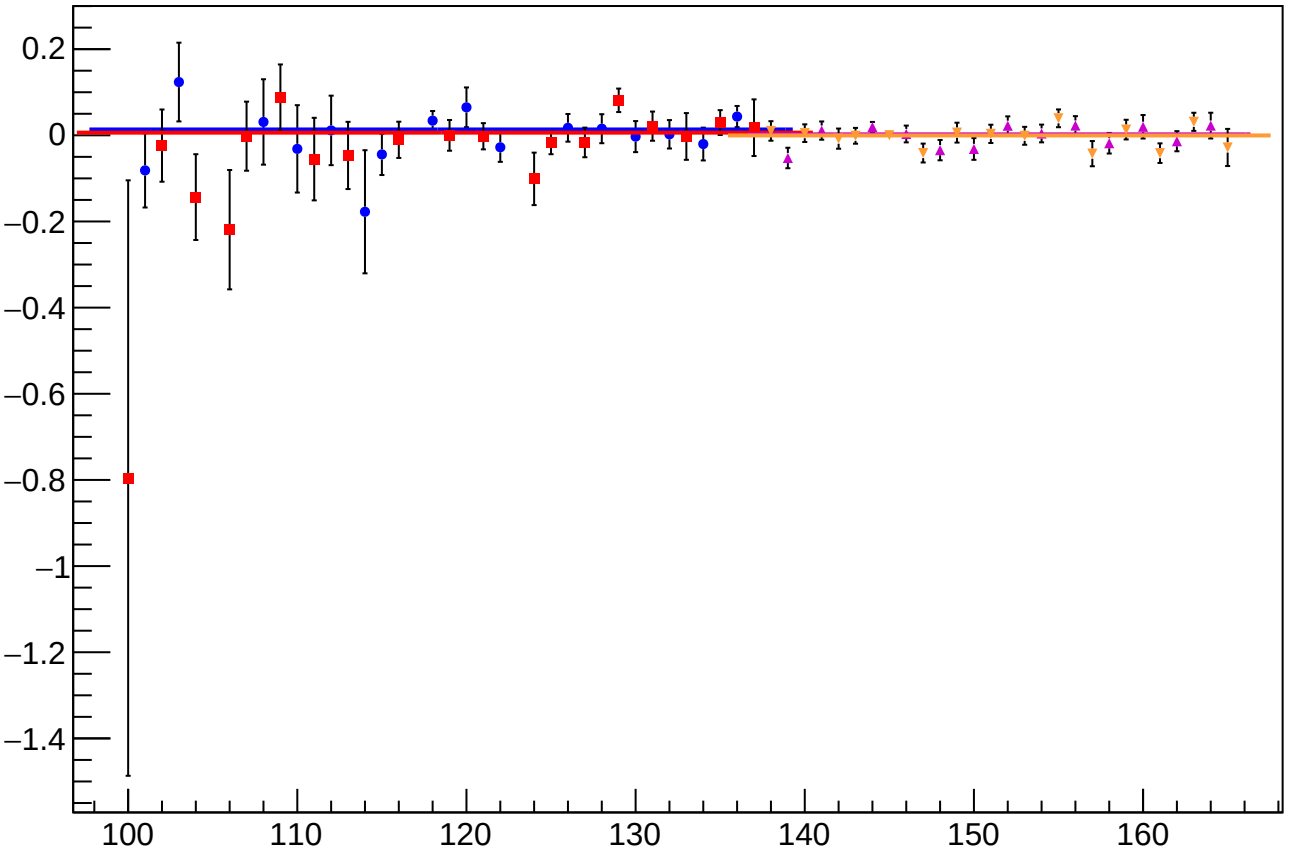
Left: 0.000+/-0.000 χ^2/NDF: 1744604.3/27

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3779104.9/28

Out: 0.000+/-0.000 χ^2/NDF:4792744.8/33

All: 0.000+/-0.000 χ^2/NDF: 8573394.9/62



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.8/27

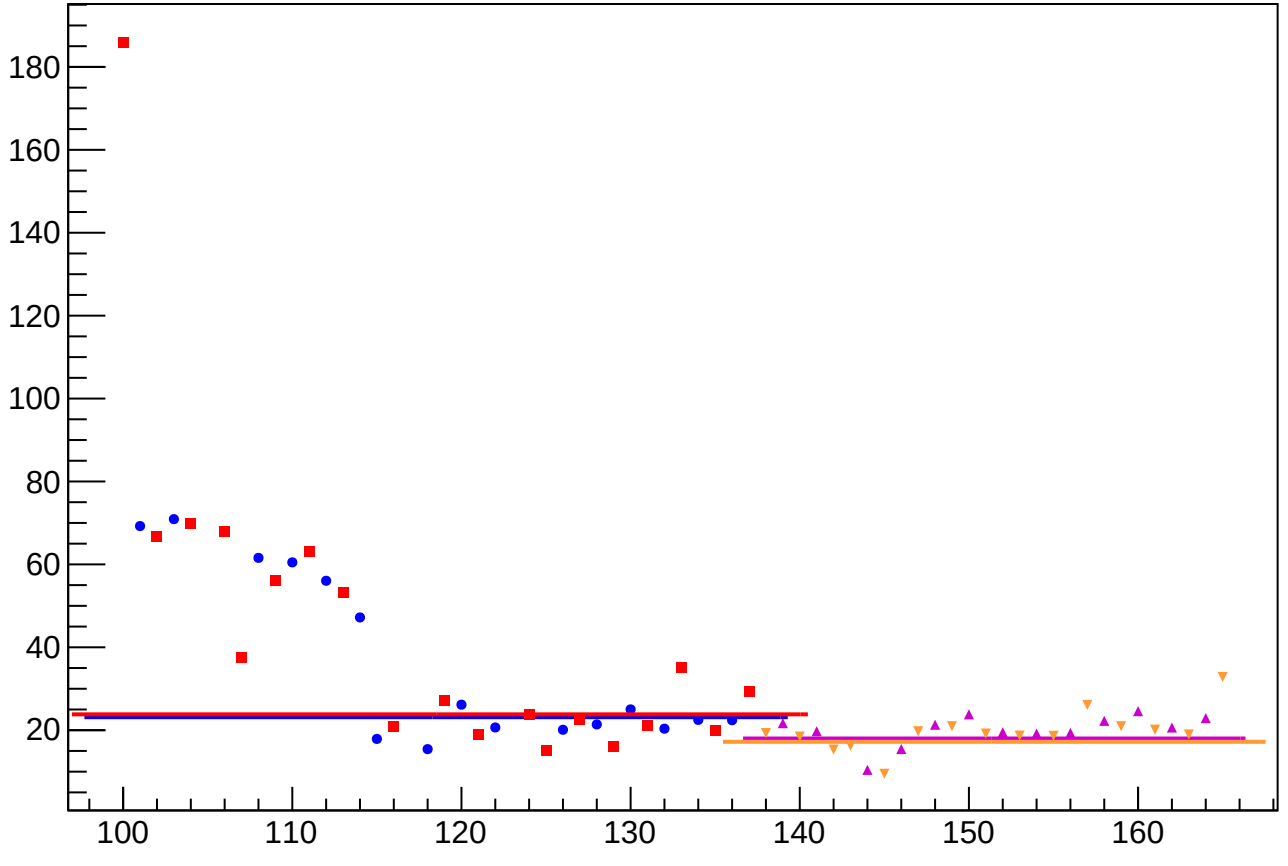
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.003+/-0.003 χ^2/NDF: 67.1/62

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.199+/-0.004 χ^2/NDF:1641725.1/14

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

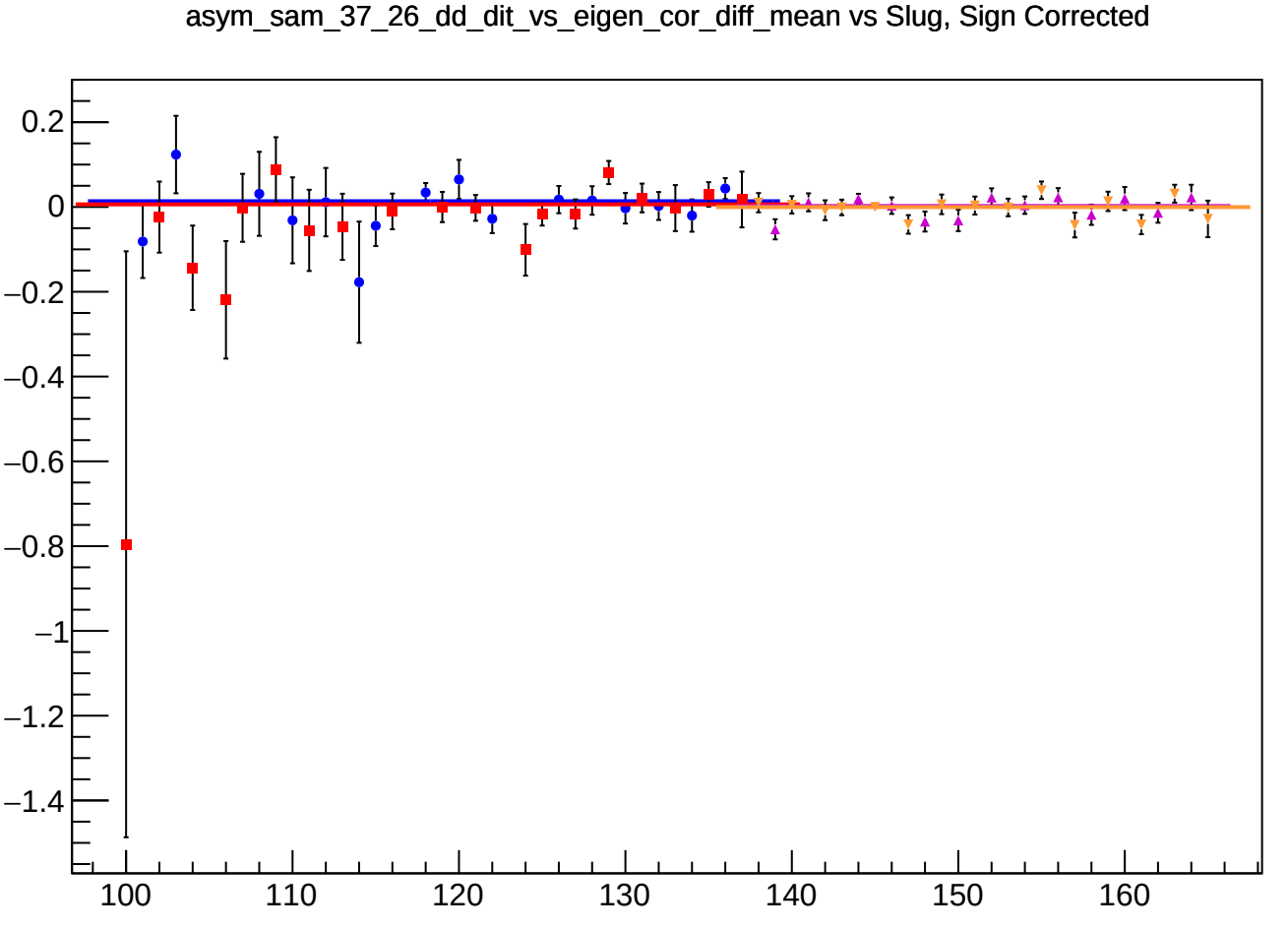
Left: 17.564+/-0.003 χ^2/NDF: 3012312.6/27

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.322+/-0.004 χ^2/NDF:4162130.7/28

Out: 18.637+/-0.003 χ^2/NDF:5218887.8/33

All: 18.958+/-0.002 χ^2/NDF: 9401031.5/62



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.8/27

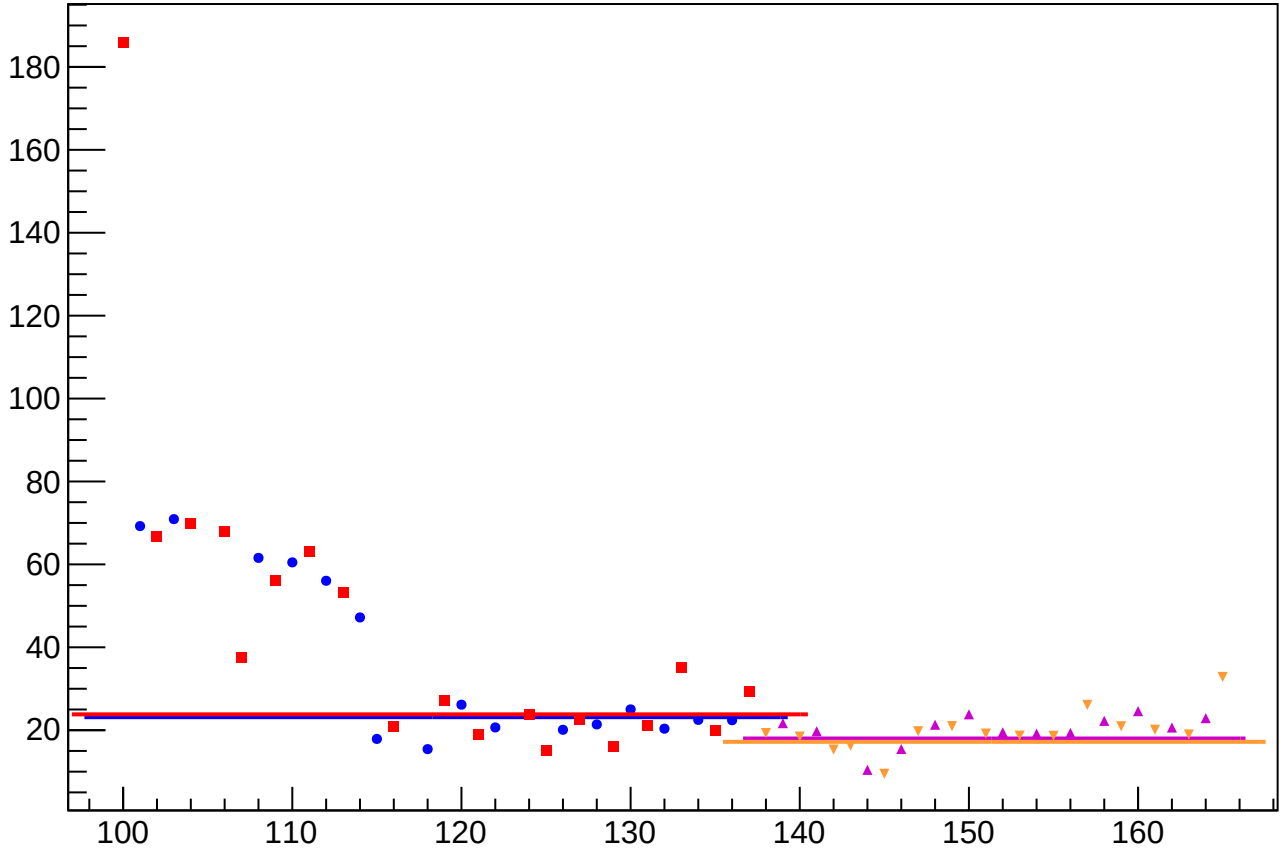
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.003+/-0.003 χ^2/NDF: 67.1/62

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: 17.199+/-0.004 χ^2/NDF:1641725.1/14

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

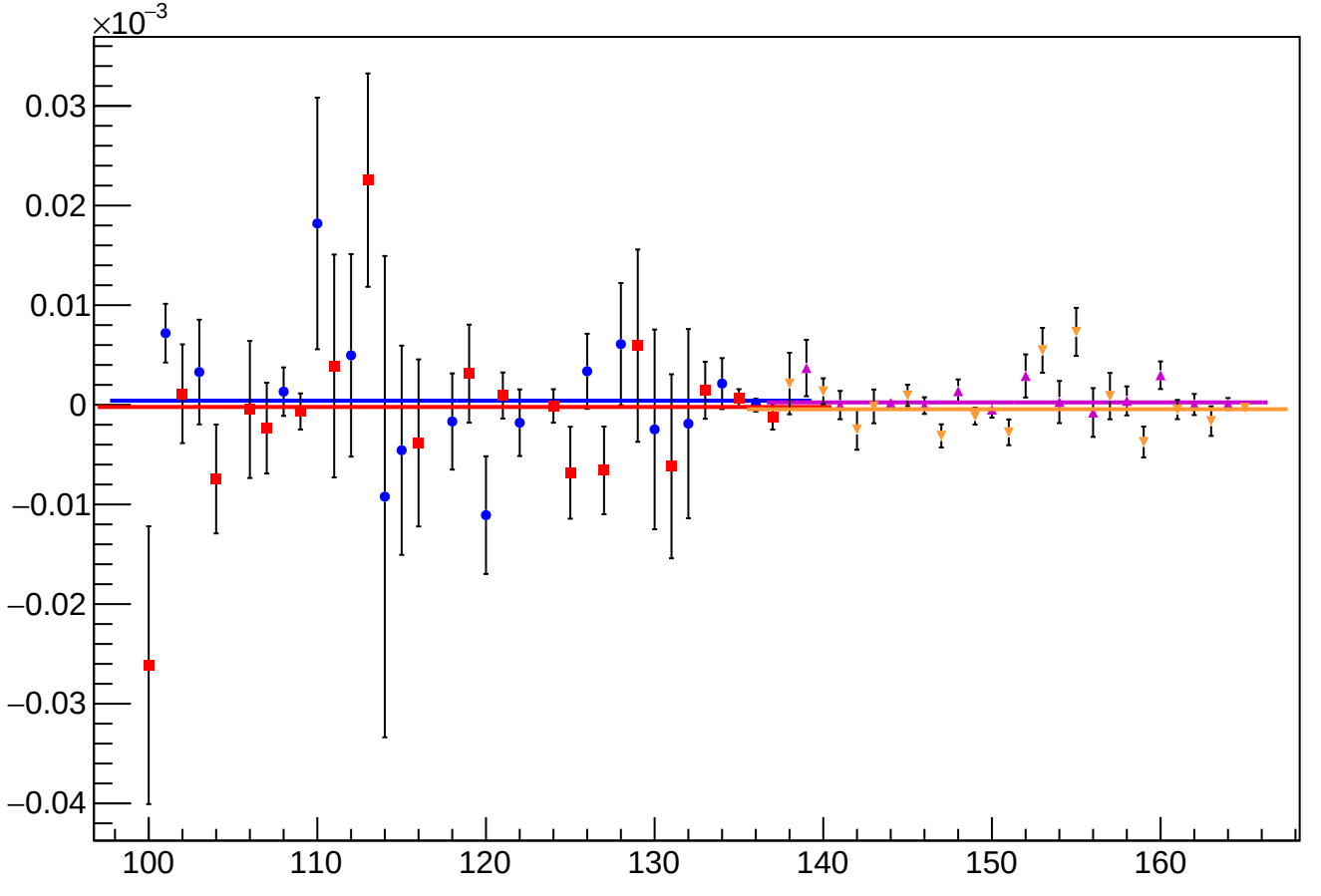
Left: 17.564+/-0.003 χ^2/NDF: 3012312.6/27

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.322+/-0.004 χ^2/NDF:4162130.7/28

Out: 18.637+/-0.003 χ^2/NDF:5218887.8/33

All: 18.958+/-0.002 χ^2/NDF: 9401031.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/12

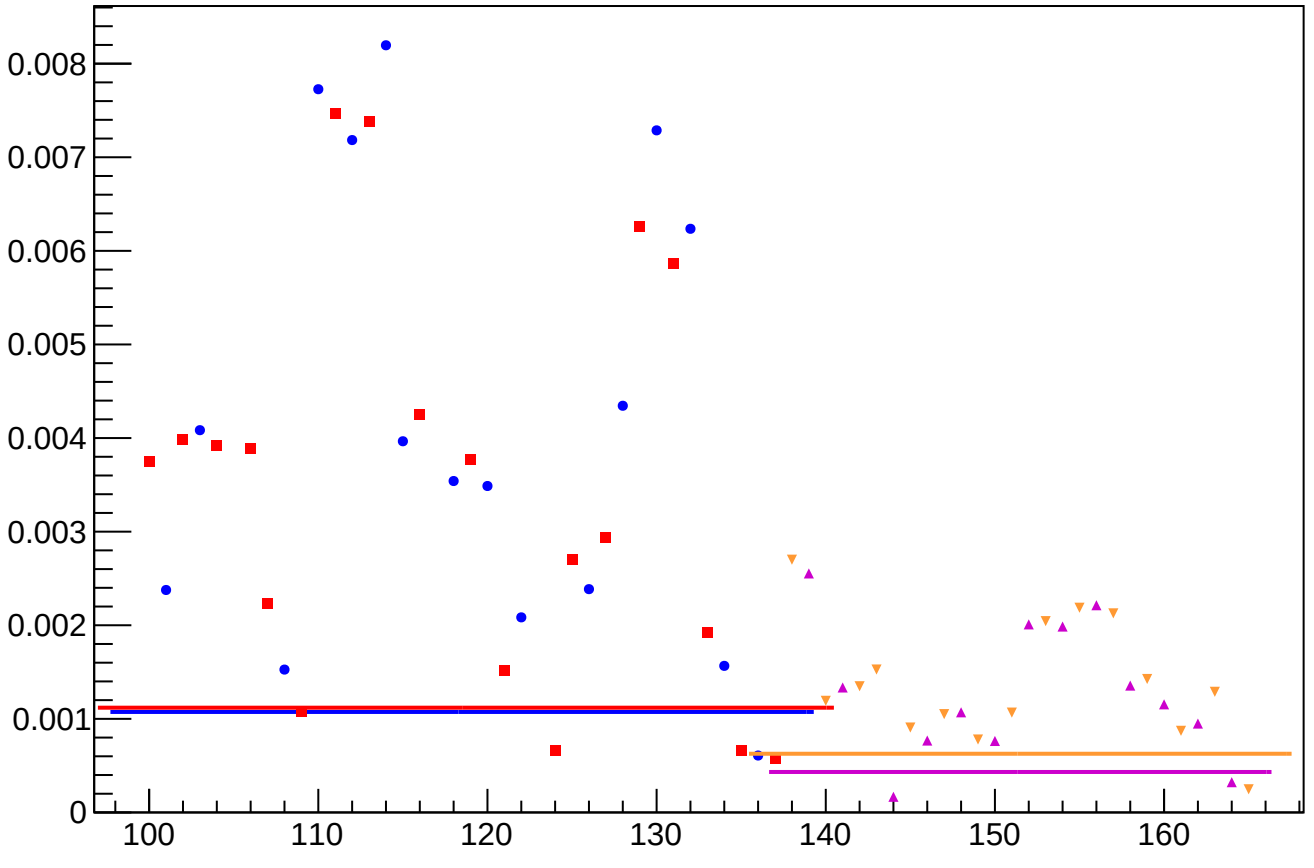
Left: -0.000+/-0.000 χ^2/NDF: 51.3/27

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:24.4/28

Out: -0.000+/-0.000 χ^2/NDF:55.4/33

All: -0.000+/-0.000 χ^2/NDF: 85.2/62



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:9187051.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10448688.1/12

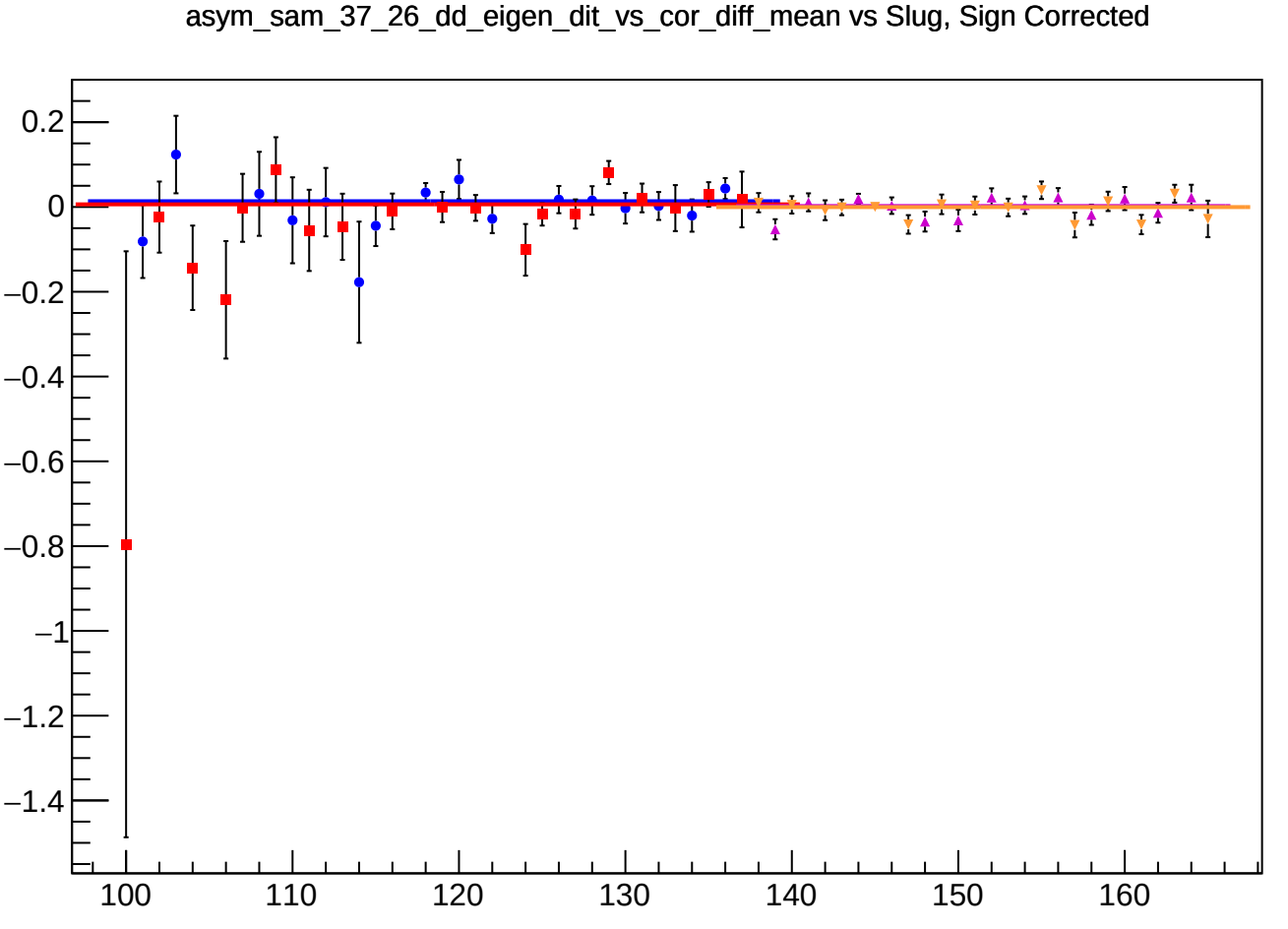
Left: 0.001+/-0.000 χ^2/NDF: 20413983.1/27

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:19812312.8/28

Out: 0.001+/-0.000 χ^2/NDF:17255696.6/33

All: 0.001+/-0.000 χ^2/NDF: 37992660.1/62



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.8/27

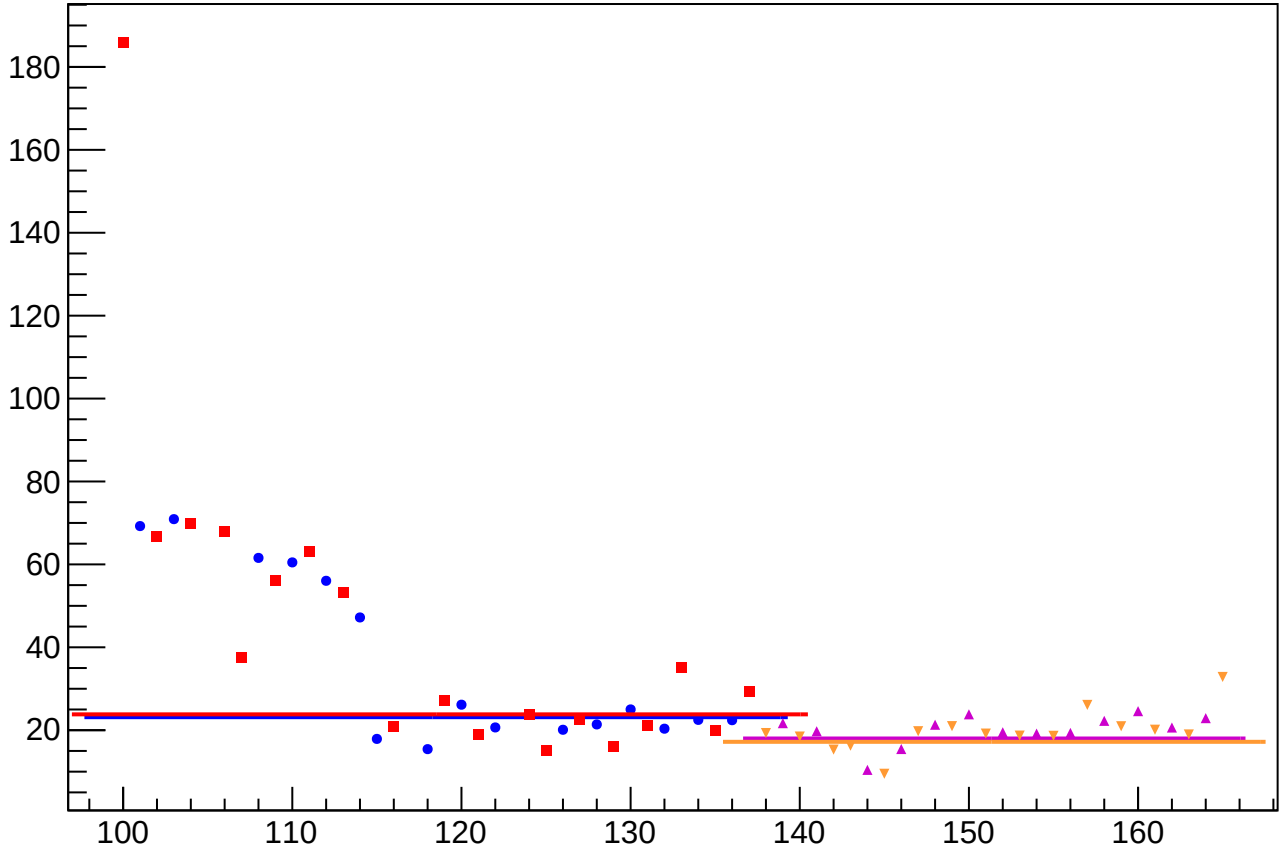
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.003+/-0.003 χ^2/NDF: 67.1/62

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: 17.200+/-0.004 χ^2/NDF:1641829.6/14

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

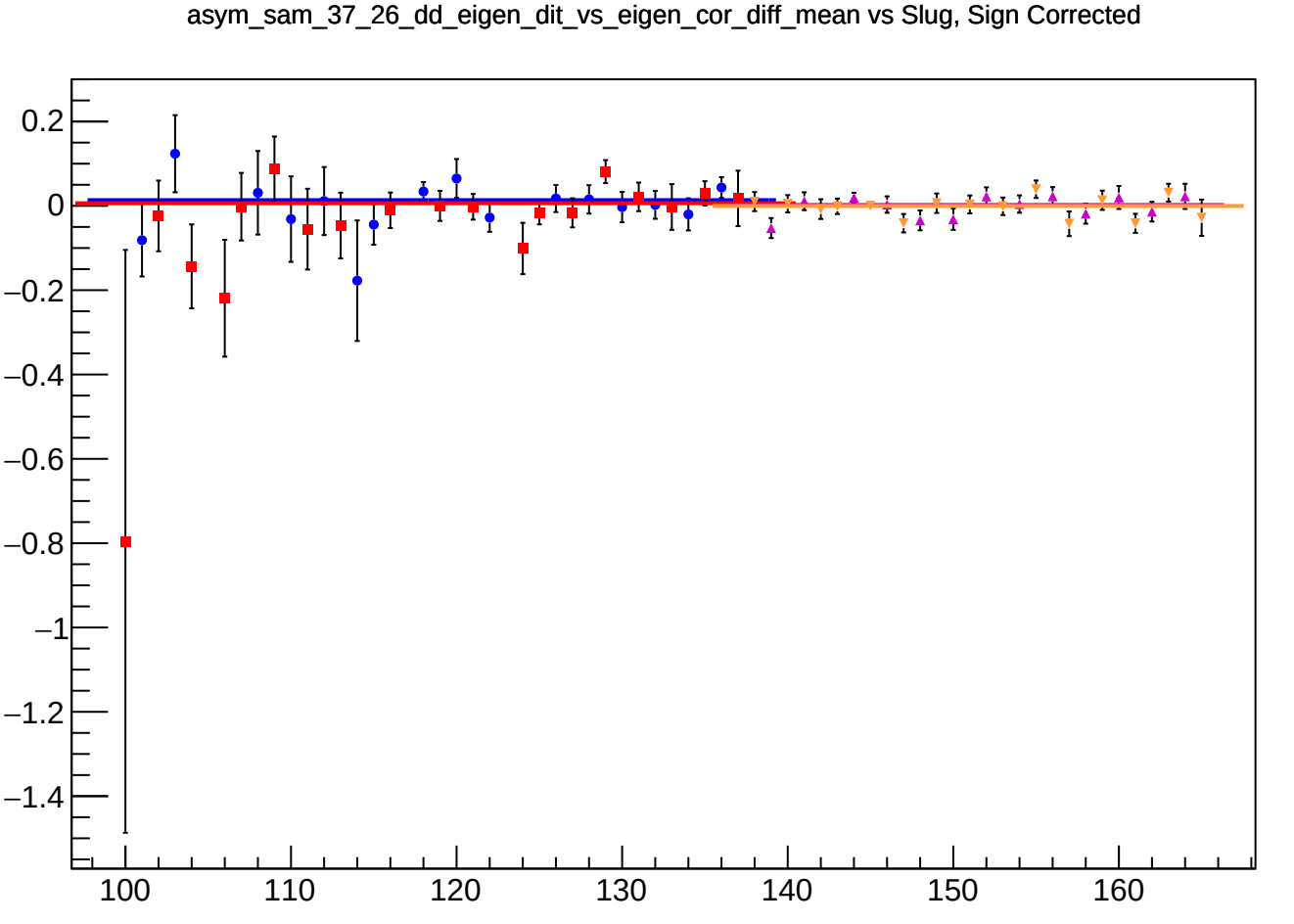
Left: 17.564+/-0.003 χ^2/NDF: 3012402.3/27

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.322+/-0.004 χ^2/NDF:4161929.8/28

Out: 18.637+/-0.003 χ^2/NDF:5218816.4/33

All: 18.958+/-0.002 χ^2/NDF: 9400752.8/62



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.8/27

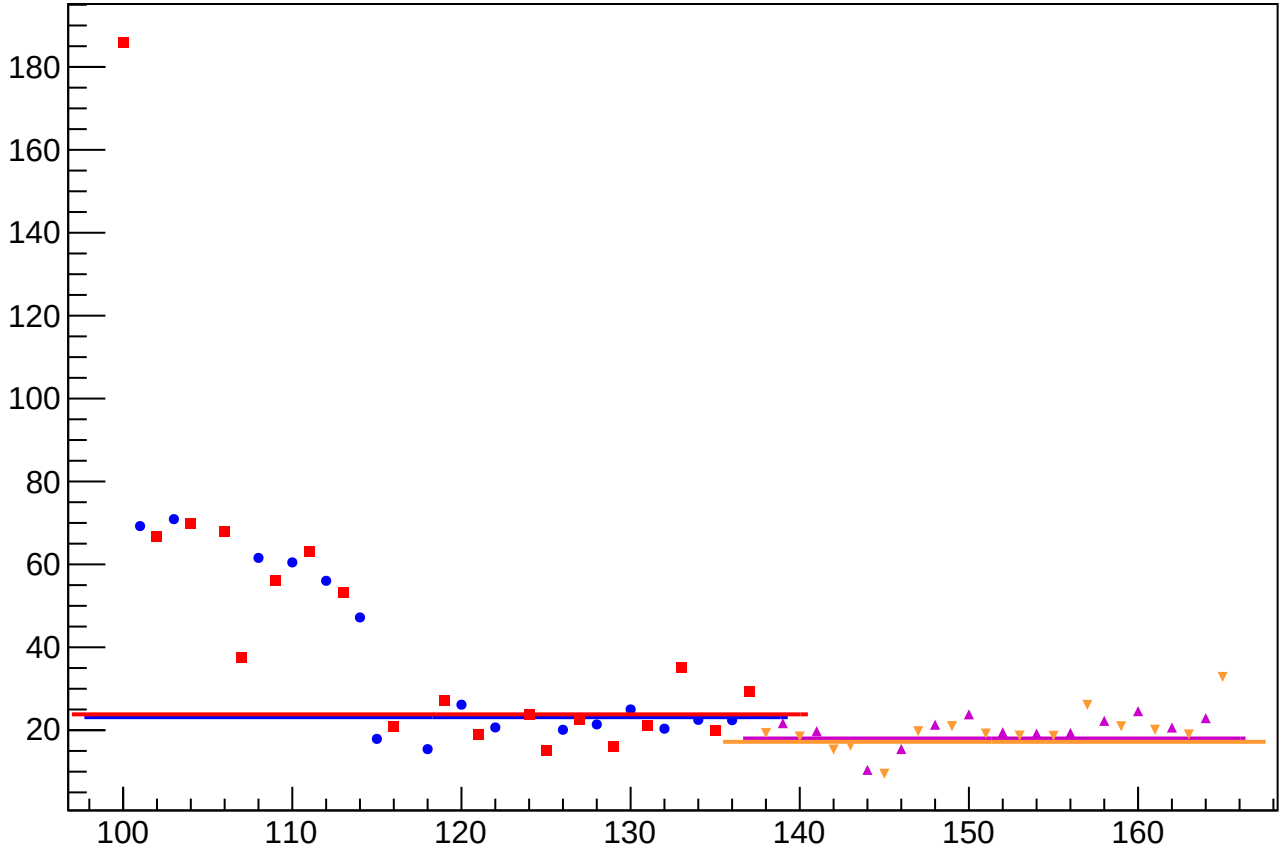
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.003+/-0.003 χ^2/NDF: 67.1/62

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: 17.200+/-0.004 χ^2/NDF:1641829.6/14

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

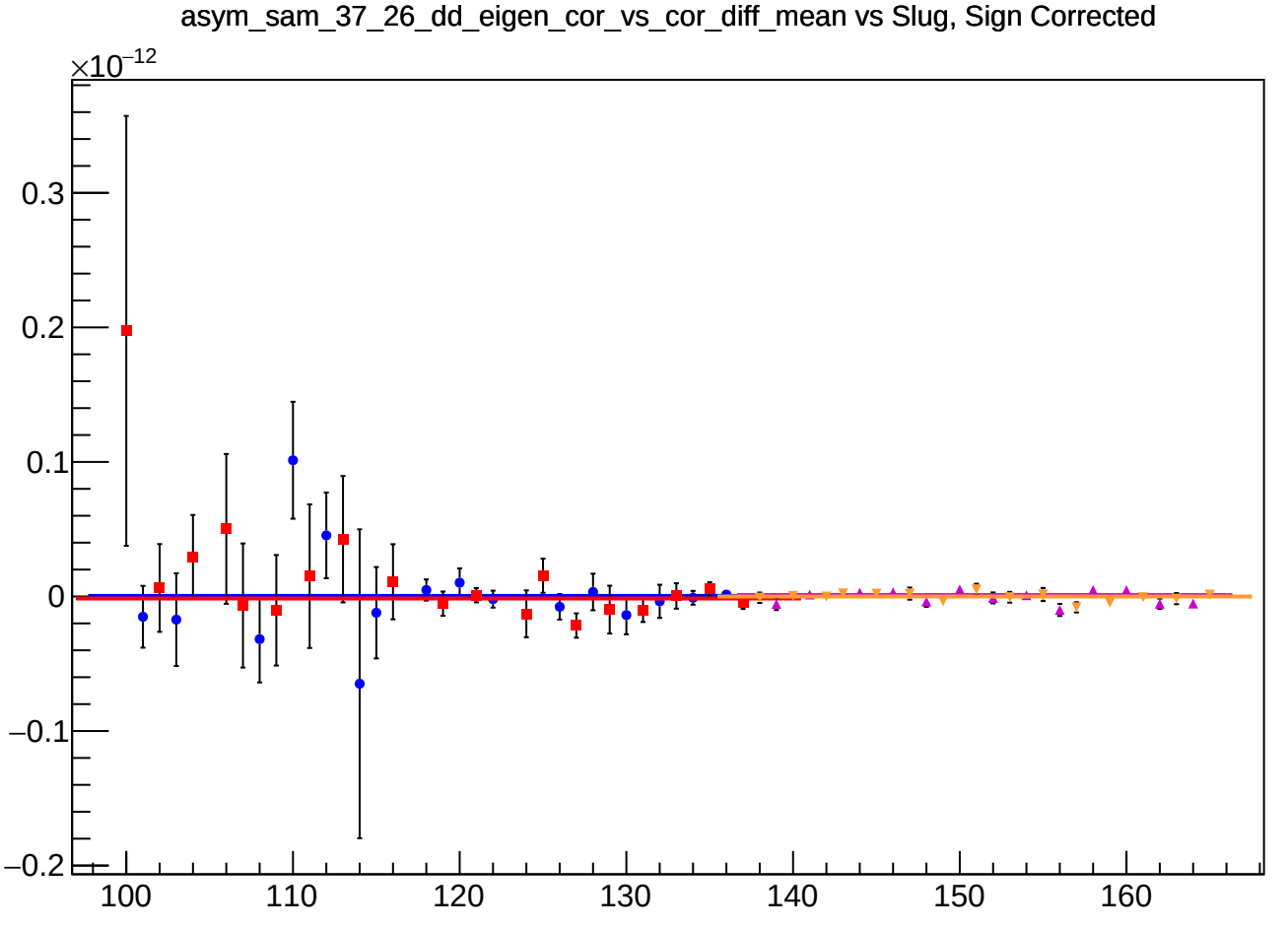
Left: 17.564+/-0.003 χ^2/NDF: 3012402.3/27

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.322+/-0.004 χ^2/NDF:4161929.8/28

Out: 18.637+/-0.003 χ^2/NDF:5218816.4/33

All: 18.958+/-0.002 χ^2/NDF: 9400752.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.3/12

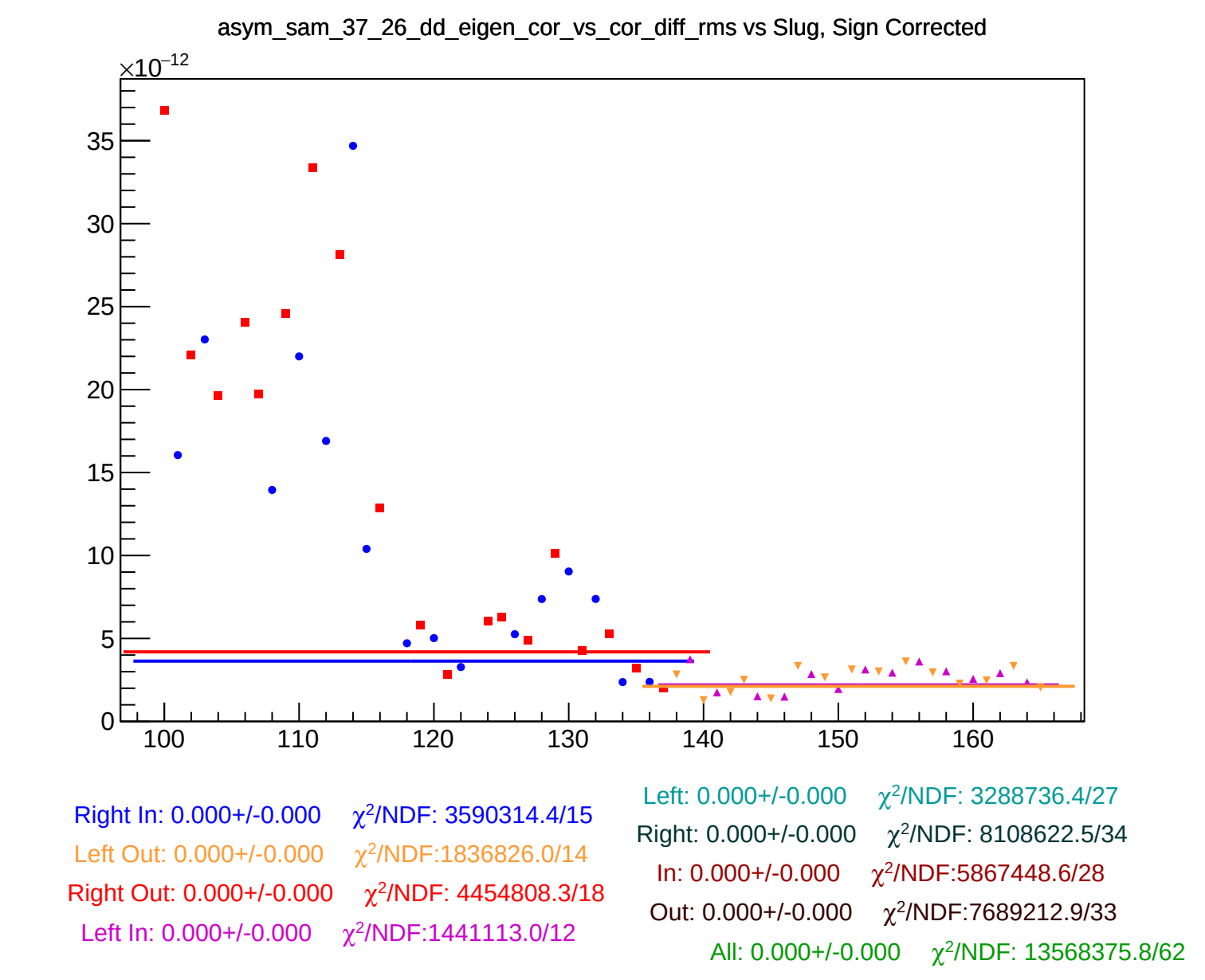
Left: 0.000+/-0.000 χ^2/NDF: 35.5/27

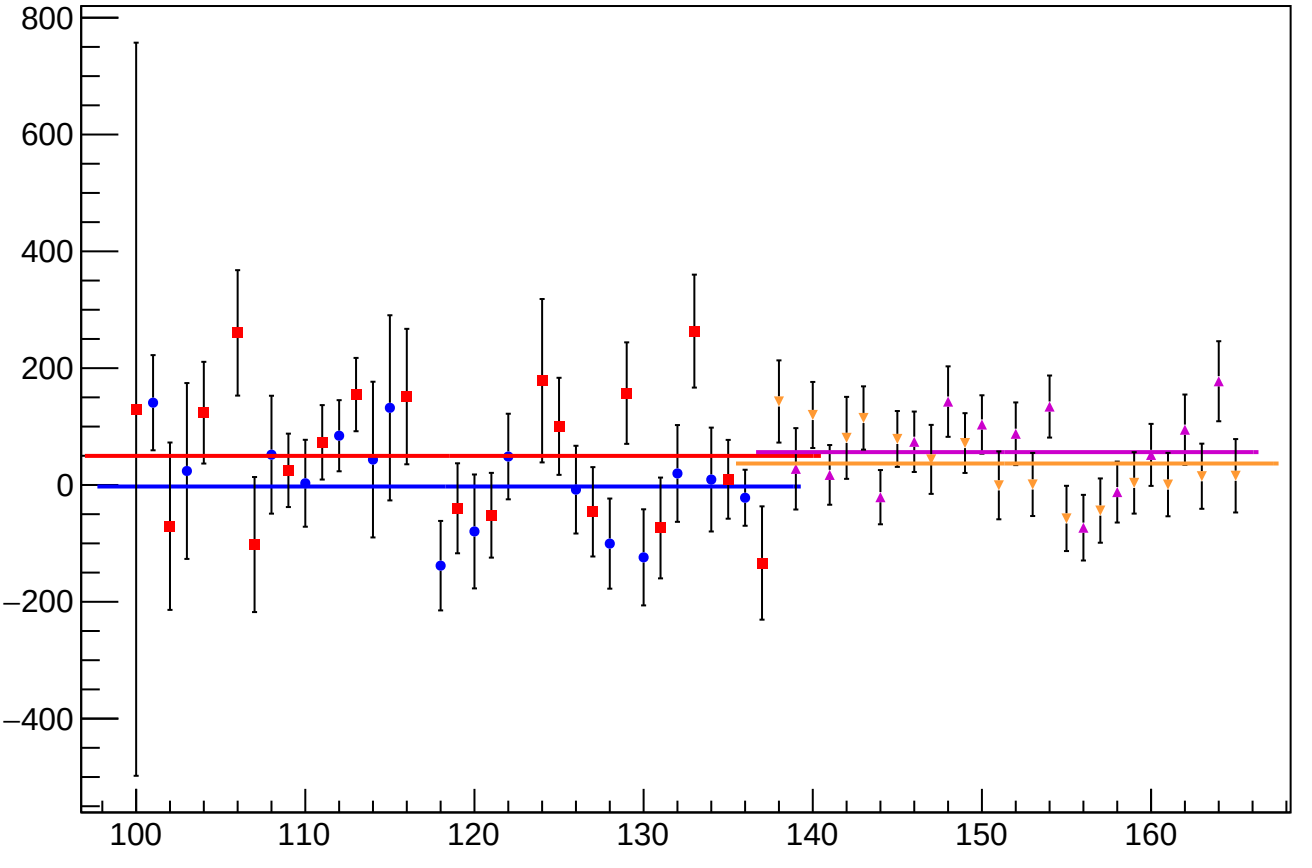
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:35.3/28

Out: -0.000+/-0.000 χ^2/NDF:28.3/33

All: 0.000+/-0.000 χ^2/NDF: 64.6/62


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
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1836826.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1441113.0/12
Left: 0.000+/-0.000 χ²/NDF: 3288736.4/27
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5867448.6/28
Out: 0.000+/-0.000 χ²/NDF:7689212.9/33
All: 0.000+/-0.000 χ²/NDF: 13568375.8/62



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 36.753+/-14.542 χ^2/NDF:15.1/14

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 56.264+/-15.196 χ^2/NDF:19.6/12

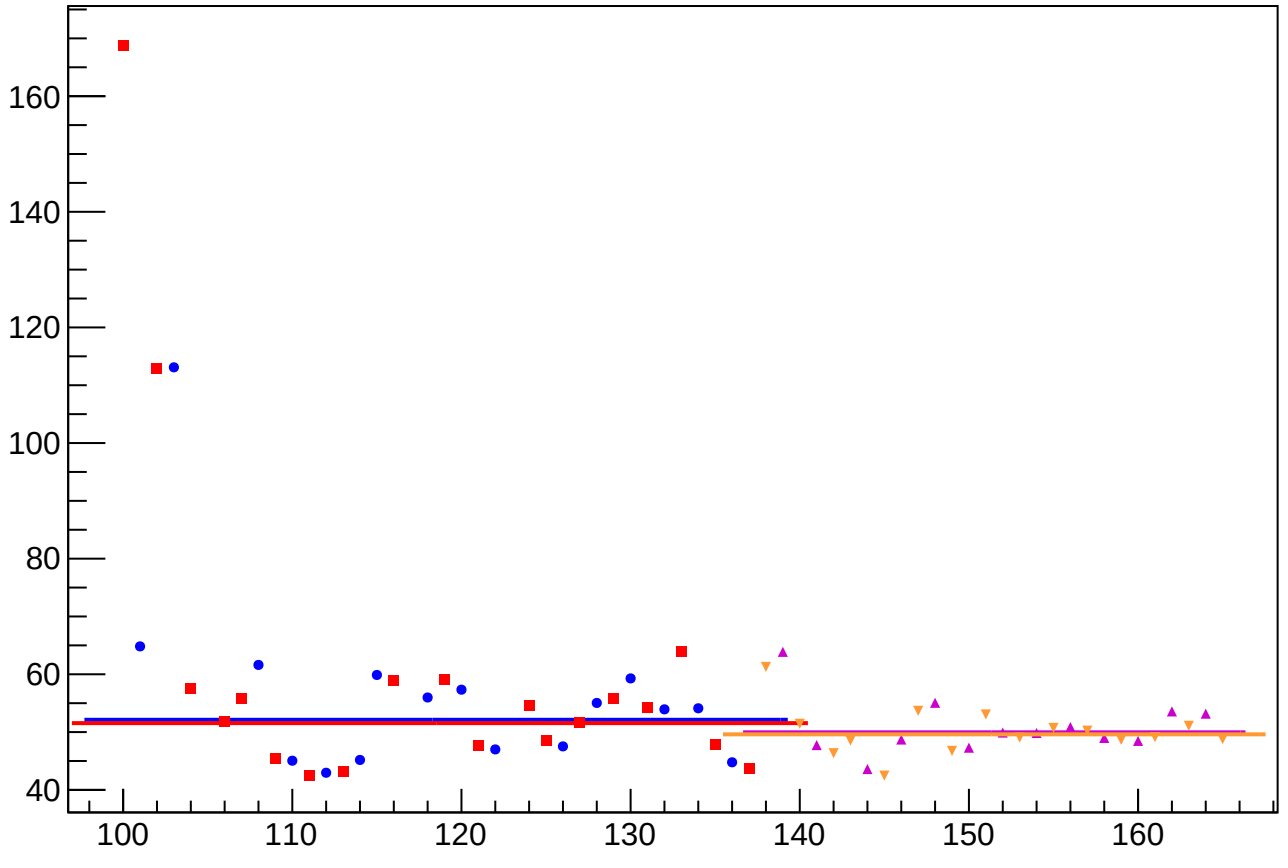
Left: 46.079+/-10.506 χ^2/NDF: 35.6/27

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 34.707+/-12.098 χ^2/NDF:39.7/28

Out: 41.382+/-11.683 χ^2/NDF:44.7/33

All: 38.161+/-8.404 χ^2/NDF: 84.6/62



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

Left: 49.777+/-0.007 χ^2/NDF: 290496.3/27

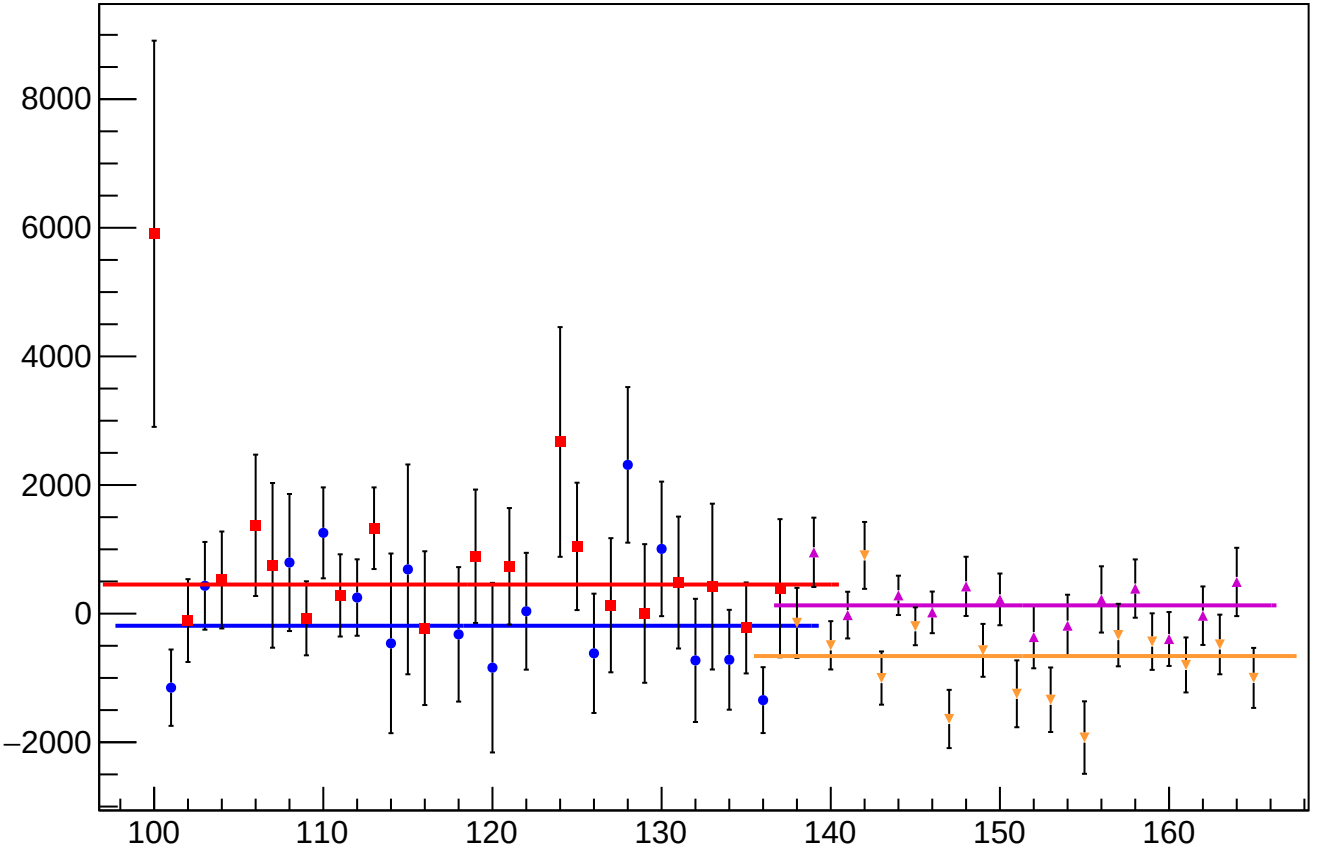
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.753+/-0.009 χ^2/NDF:734533.0/28

Out: 50.299+/-0.008 χ^2/NDF:785437.9/33

All: 50.518+/-0.006 χ^2/NDF: 1521429.2/62

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -659.642+/-113.776 χ^2/NDF:27.7/14

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 128.495+/-116.707 χ^2/NDF:7.3/12

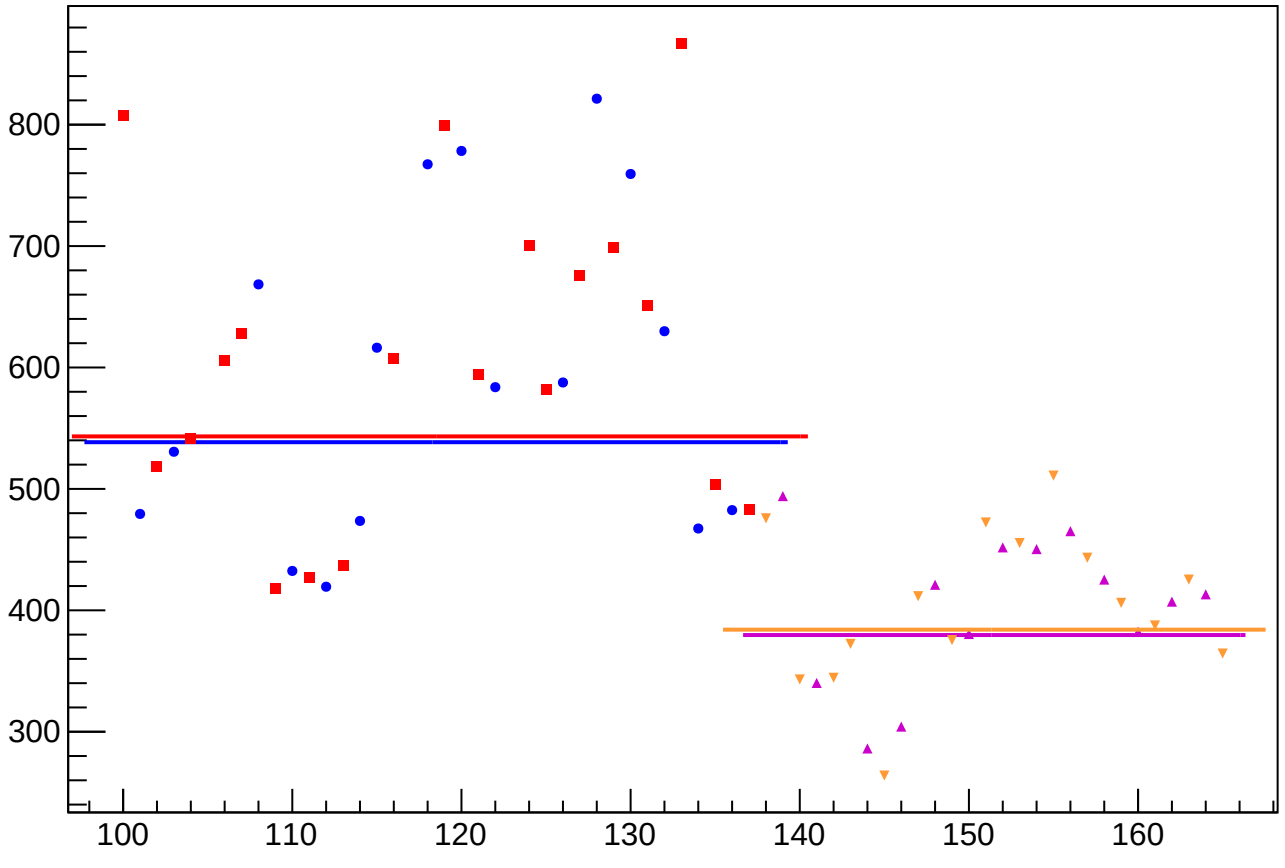
Left: -275.596+/-81.468 χ^2/NDF: 58.4/27

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 51.349+/-101.521 χ^2/NDF:30.5/28

Out: -395.607+/-99.357 χ^2/NDF:61.7/33

All: -176.943+/-71.009 χ^2/NDF: 102.1/62



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 384.072+/-0.080 χ^2/NDF:688048.3/14

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 379.644+/-0.083 χ^2/NDF:603234.6/12

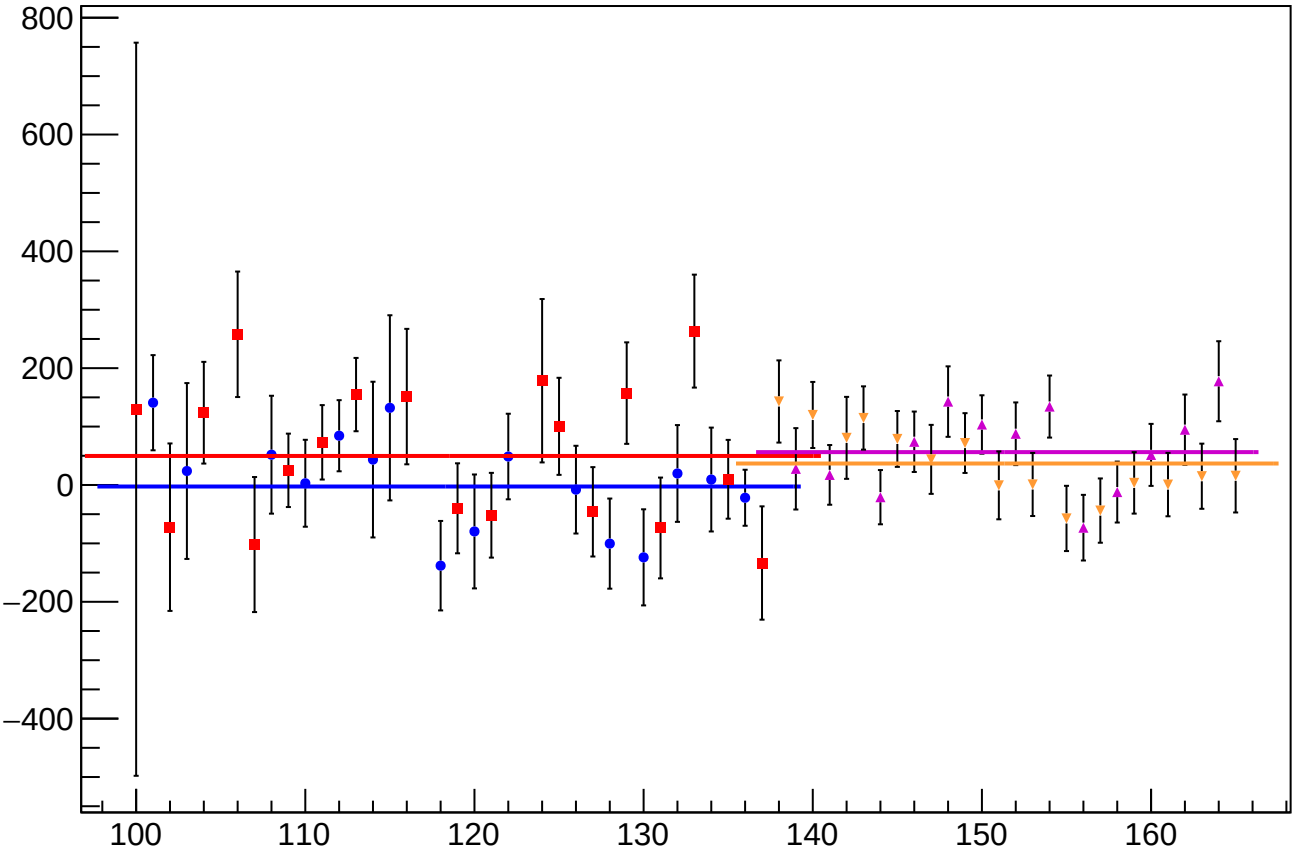
Left: 381.914+/-0.058 χ^2/NDF: 1292758.9/27

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.289+/-0.072 χ^2/NDF:2118464.5/28

Out: 421.859+/-0.070 χ^2/NDF:2254426.0/33

All: 420.112+/-0.050 χ^2/NDF: 4374154.0/62



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 36.755+/-14.542 χ^2/NDF:15.1/14

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 56.264+/-15.196 χ^2/NDF:19.6/12

Left: 46.080+/-10.506 χ^2/NDF: 35.6/27

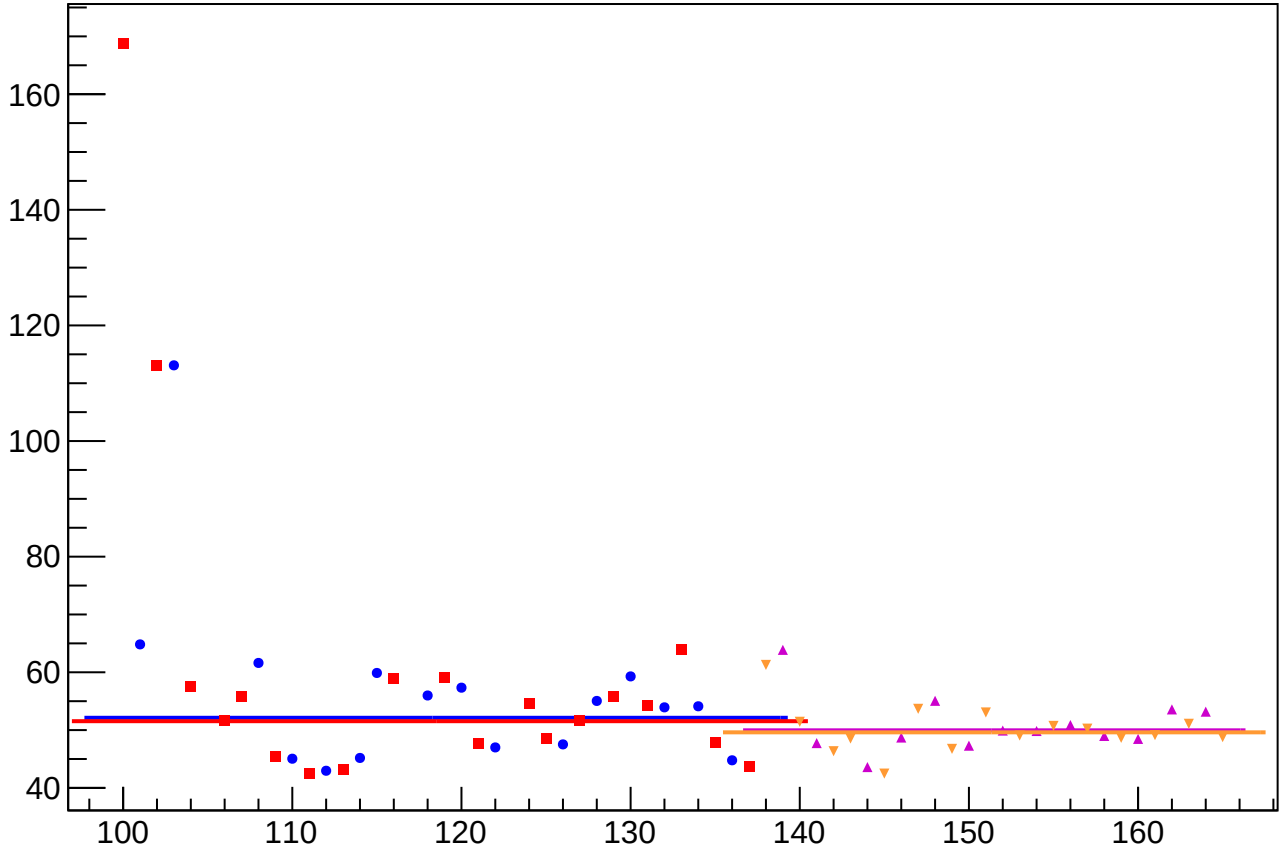
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 34.705+/-12.098 χ^2/NDF:39.7/28

Out: 41.342+/-11.683 χ^2/NDF:44.6/33

All: 38.140+/-8.404 χ^2/NDF: 84.5/62

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

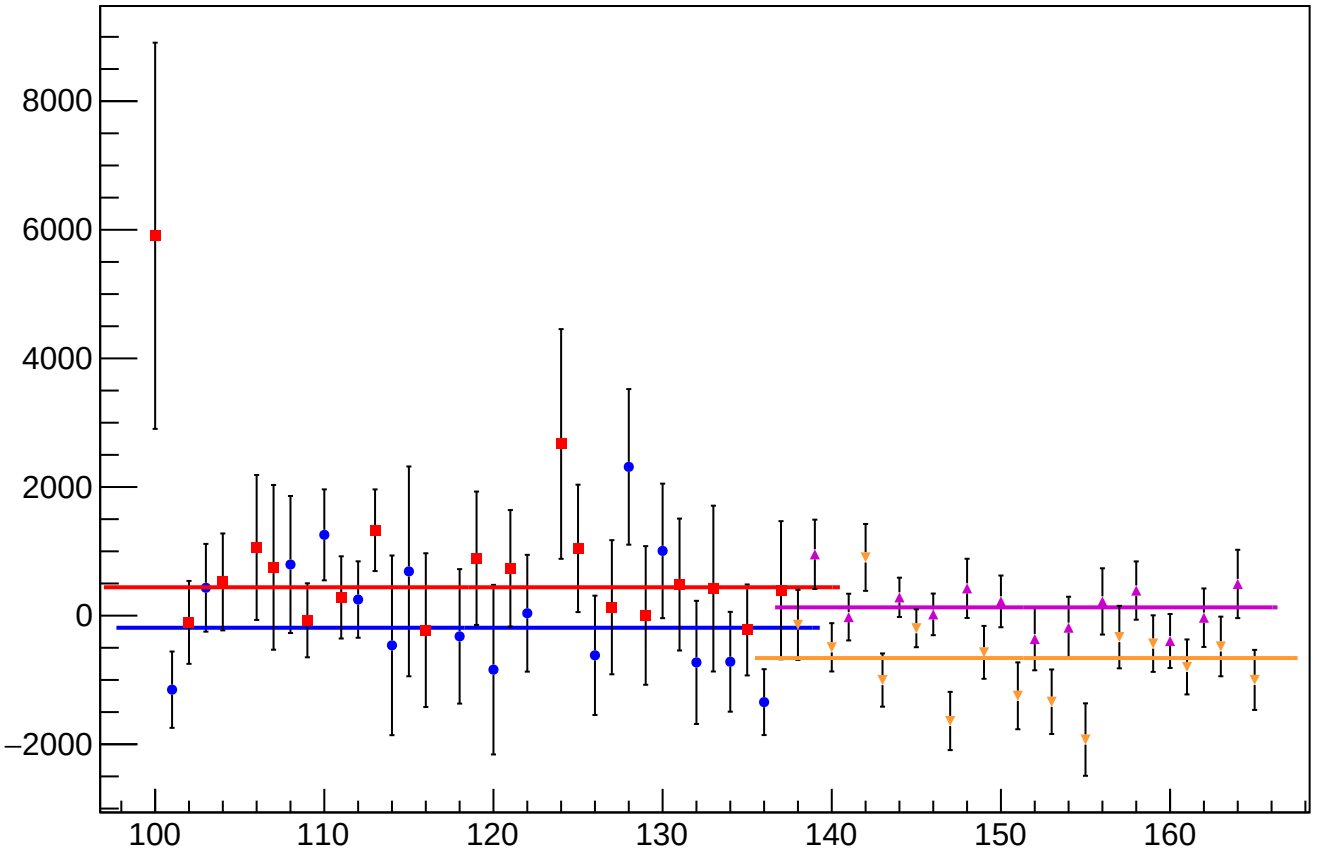
Left: 49.777+/-0.007 χ^2/NDF: 290496.3/27

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.753+/-0.009 χ^2/NDF:734535.3/28

Out: 50.295+/-0.008 χ^2/NDF:785523.7/33

All: 50.516+/-0.006 χ^2/NDF: 1521541.0/62



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -659.639+/-113.776 χ^2/NDF:27.7/14

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 128.498+/-116.707 χ^2/NDF:7.3/12

Left: -275.594+/-81.468 χ^2/NDF: 58.4/27

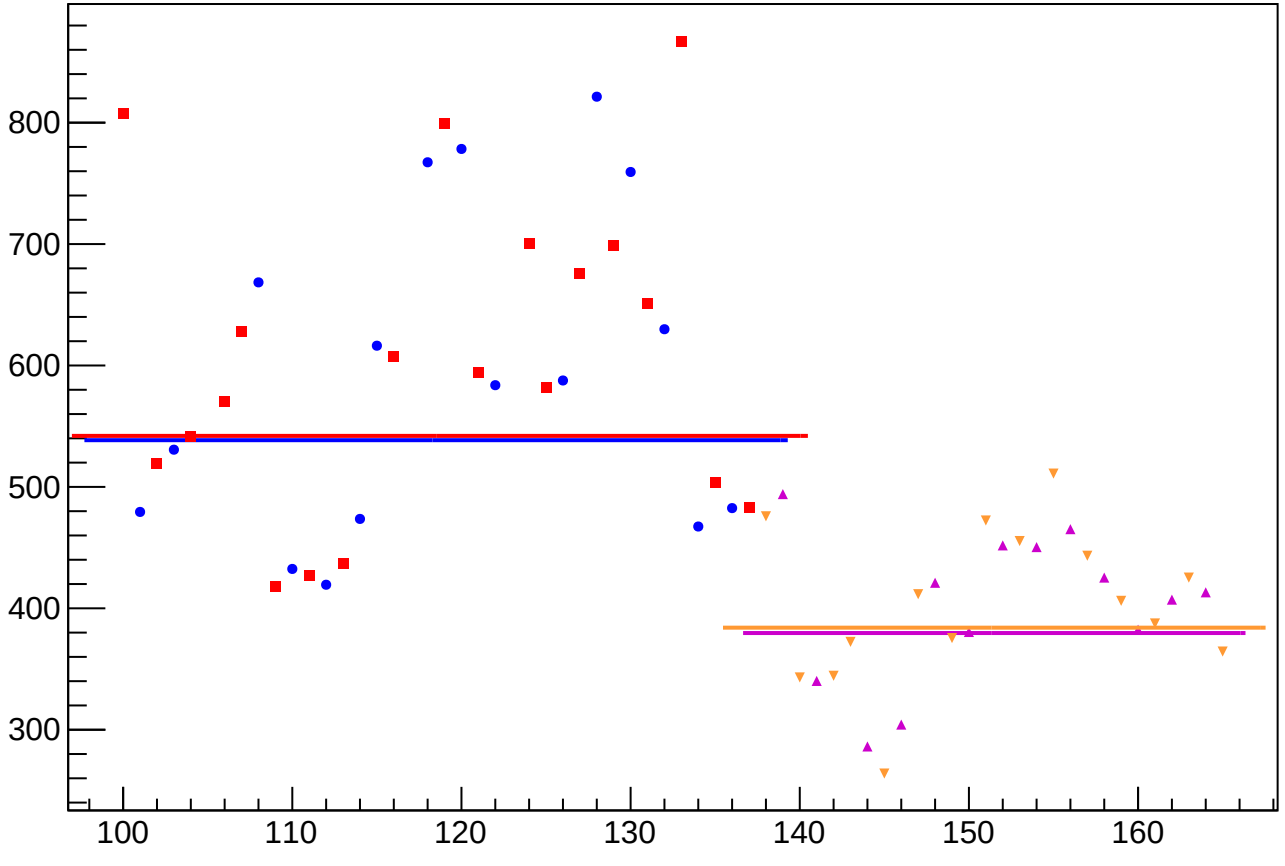
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.358+/-101.521 χ^2/NDF:30.5/28

Out: -398.681+/-99.379 χ^2/NDF:60.8/33

All: -178.459+/-71.017 χ^2/NDF: 101.3/62

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 384.071+/-0.080 χ^2/NDF:688051.4/14

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

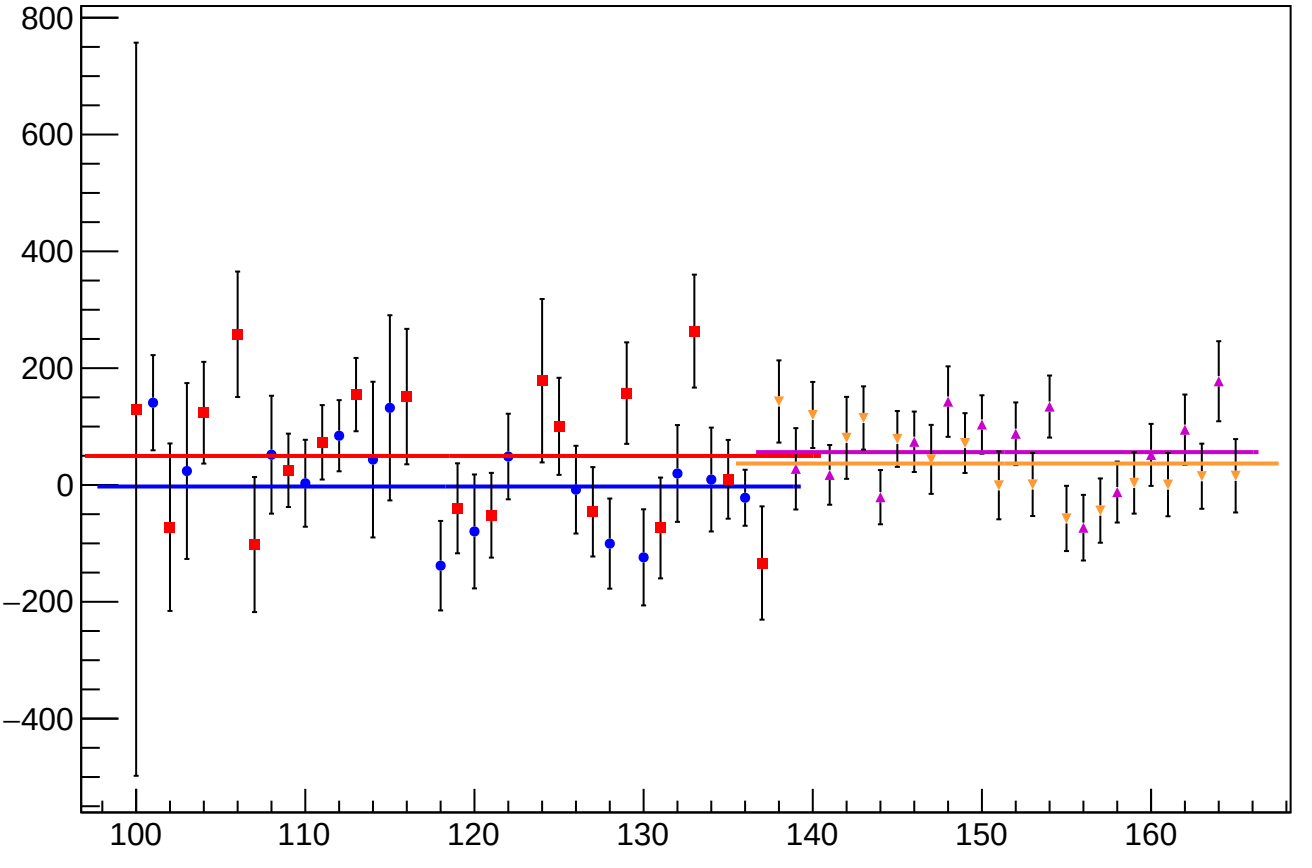
Left: 381.914+/-0.058 χ^2/NDF: 1292760.5/27

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.289+/-0.072 χ^2/NDF:2118506.5/28

Out: 421.516+/-0.070 χ^2/NDF:2233406.3/33

All: 419.937+/-0.050 χ^2/NDF: 4352944.6/62



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 36.755+/-14.542 χ^2/NDF:15.1/14

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 56.264+/-15.196 χ^2/NDF:19.6/12

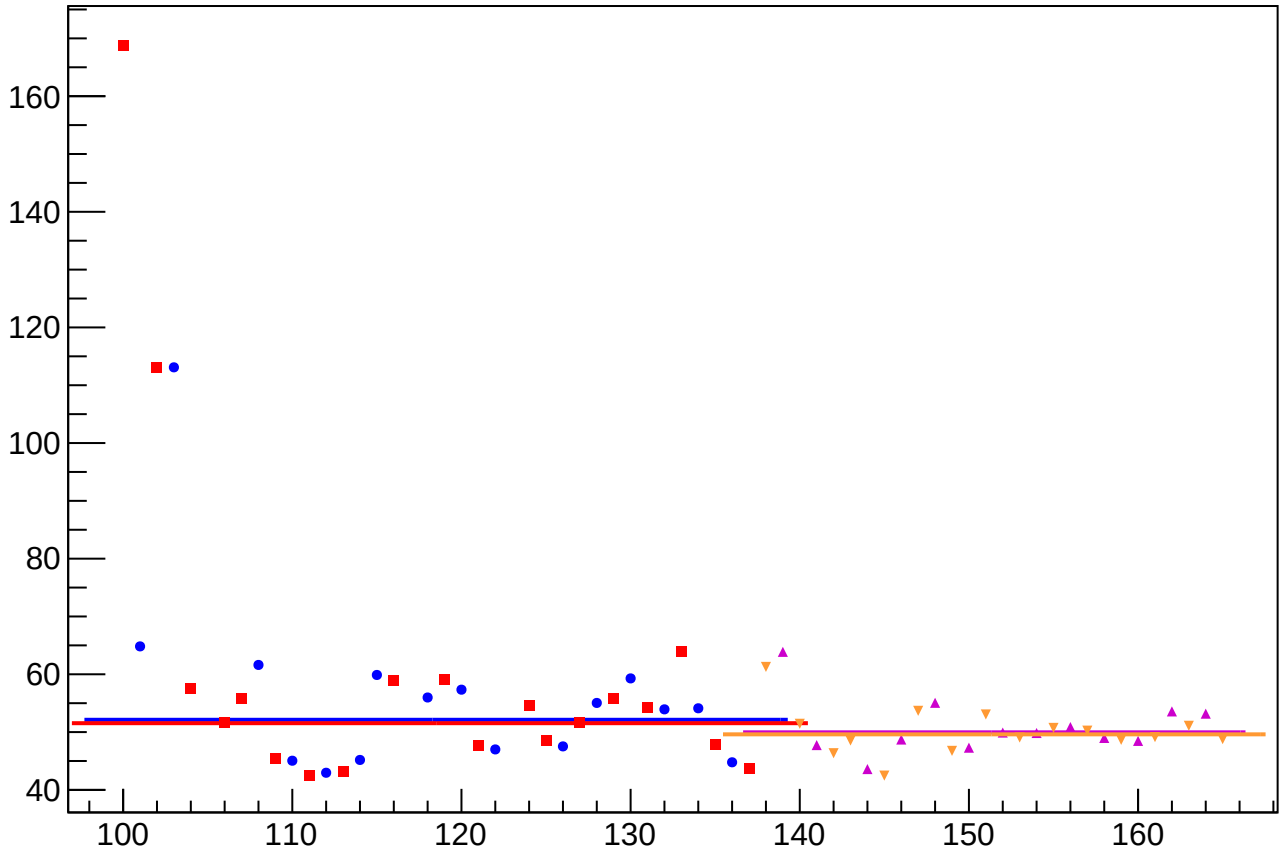
Left: 46.080+/-10.506 χ^2/NDF: 35.6/27

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 34.705+/-12.098 χ^2/NDF:39.7/28

Out: 41.342+/-11.683 χ^2/NDF:44.6/33

All: 38.140+/-8.404 χ^2/NDF: 84.5/62



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

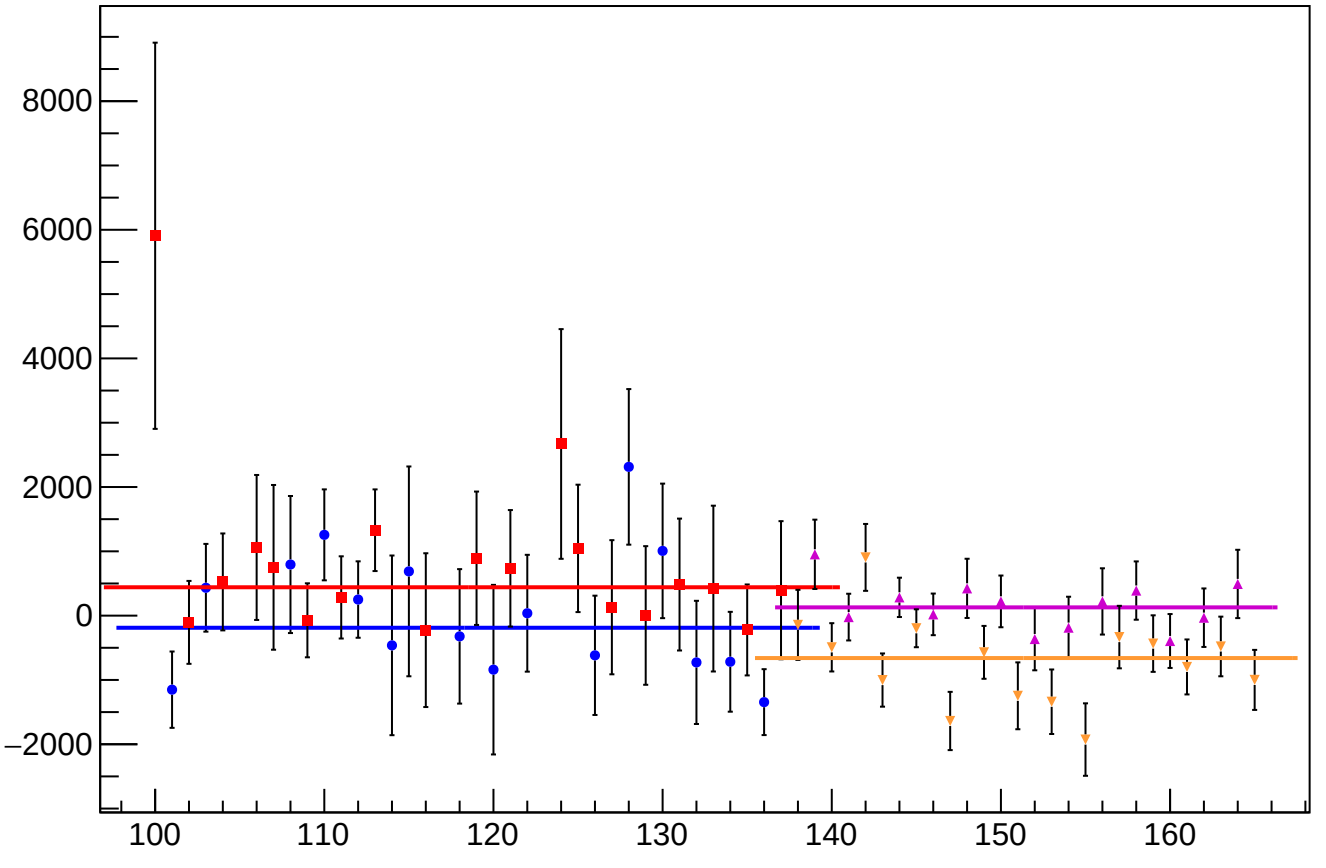
Left: 49.777+/-0.007 χ^2/NDF: 290496.3/27

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.753+/-0.009 χ^2/NDF:734535.3/28

Out: 50.295+/-0.008 χ^2/NDF:785523.7/33

All: 50.516+/-0.006 χ^2/NDF: 1521541.0/62



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -659.639+/-113.776 χ^2/NDF:27.7/14

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 128.498+/-116.707 χ^2/NDF:7.3/12

Left: -275.594+/-81.468 χ^2/NDF: 58.4/27

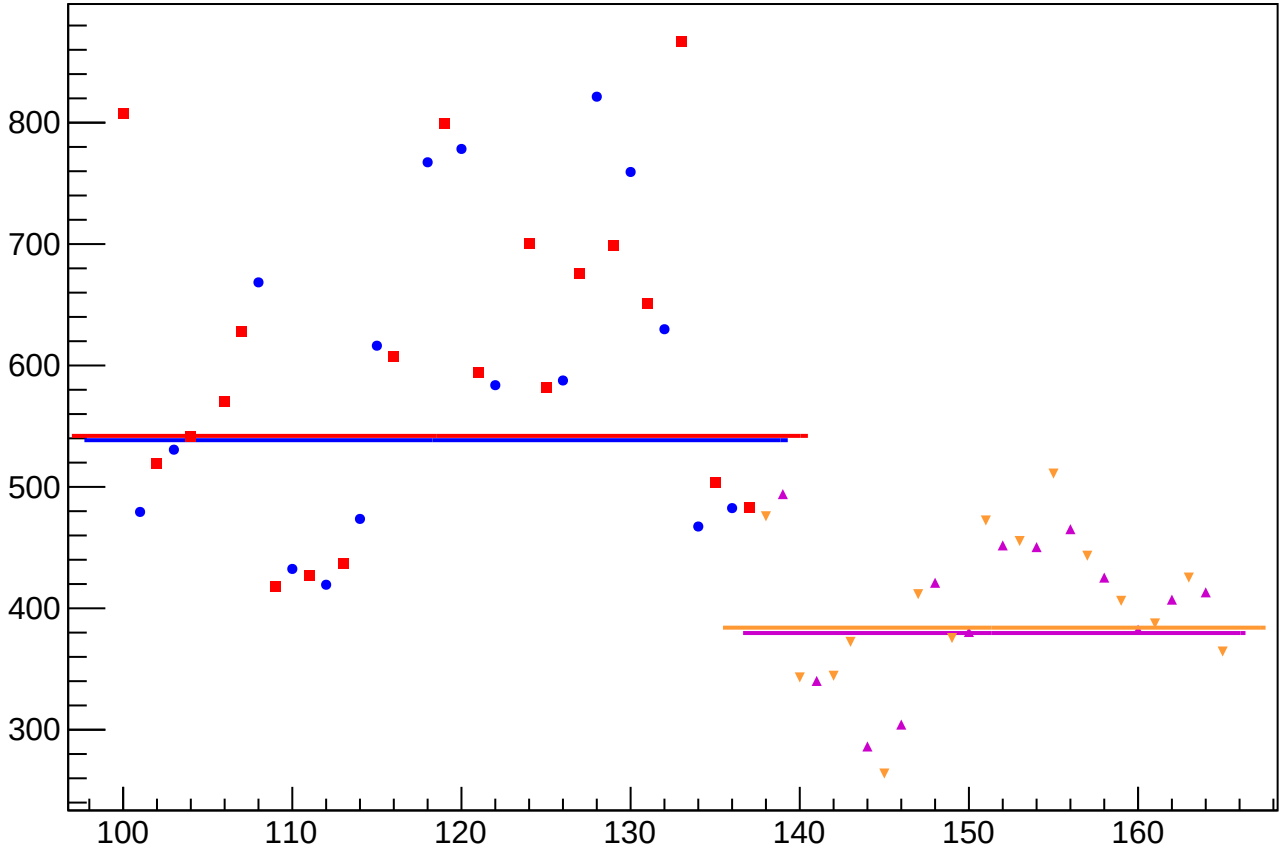
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.358+/-101.521 χ^2/NDF:30.5/28

Out: -398.681+/-99.379 χ^2/NDF:60.8/33

All: -178.459+/-71.017 χ^2/NDF: 101.3/62

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: 384.071+/-0.080 χ^2/NDF:688051.4/14

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

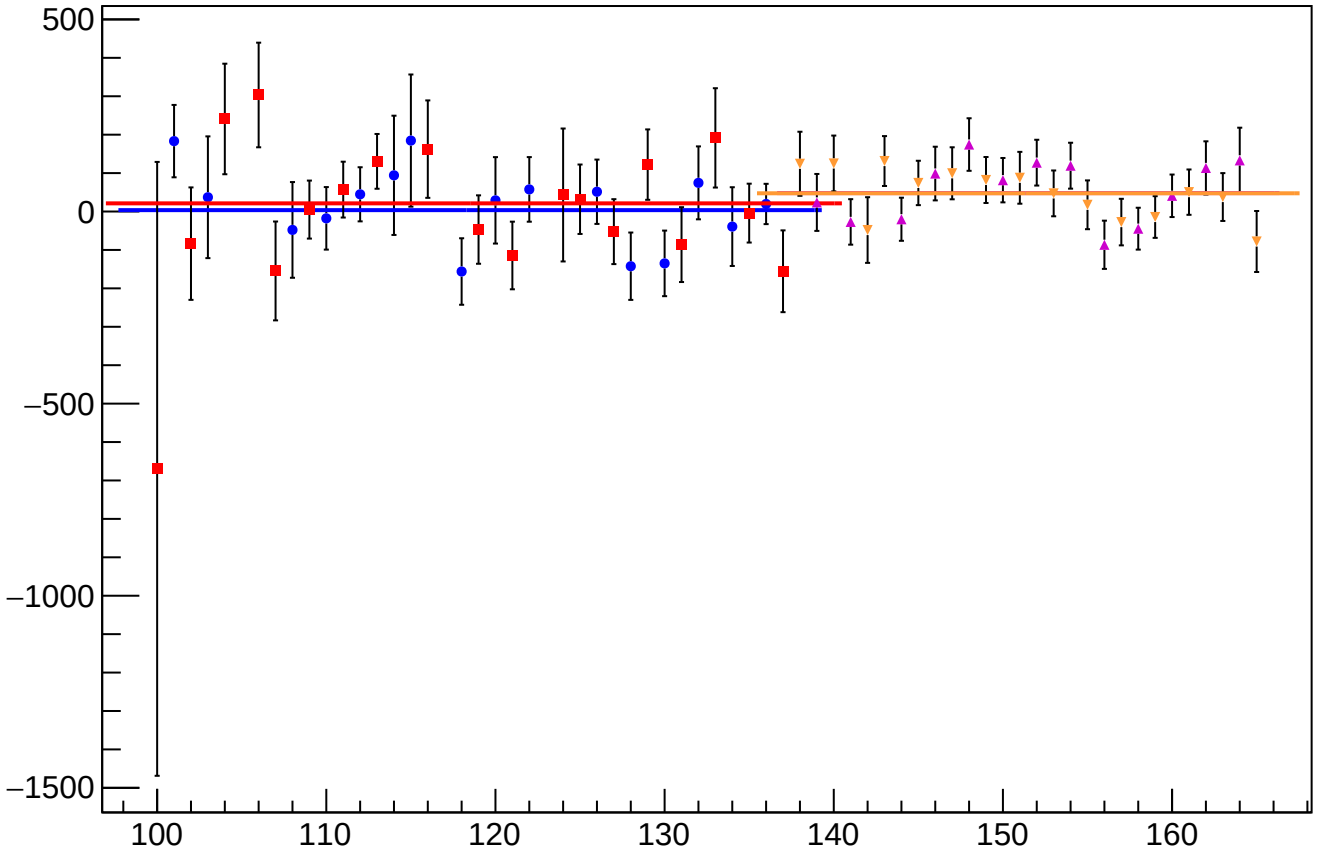
Left: 381.914+/-0.058 χ^2/NDF: 1292760.5/27

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.289+/-0.072 χ^2/NDF:2118506.5/28

Out: 421.516+/-0.070 χ^2/NDF:2233406.3/33

All: 419.937+/-0.050 χ^2/NDF: 4352944.6/62



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.461+/-16.735 χ^2/NDF:12.0/14

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.003+/-17.331 χ^2/NDF:20.1/12

Left: 47.723+/-12.039 χ^2/NDF: 32.0/27

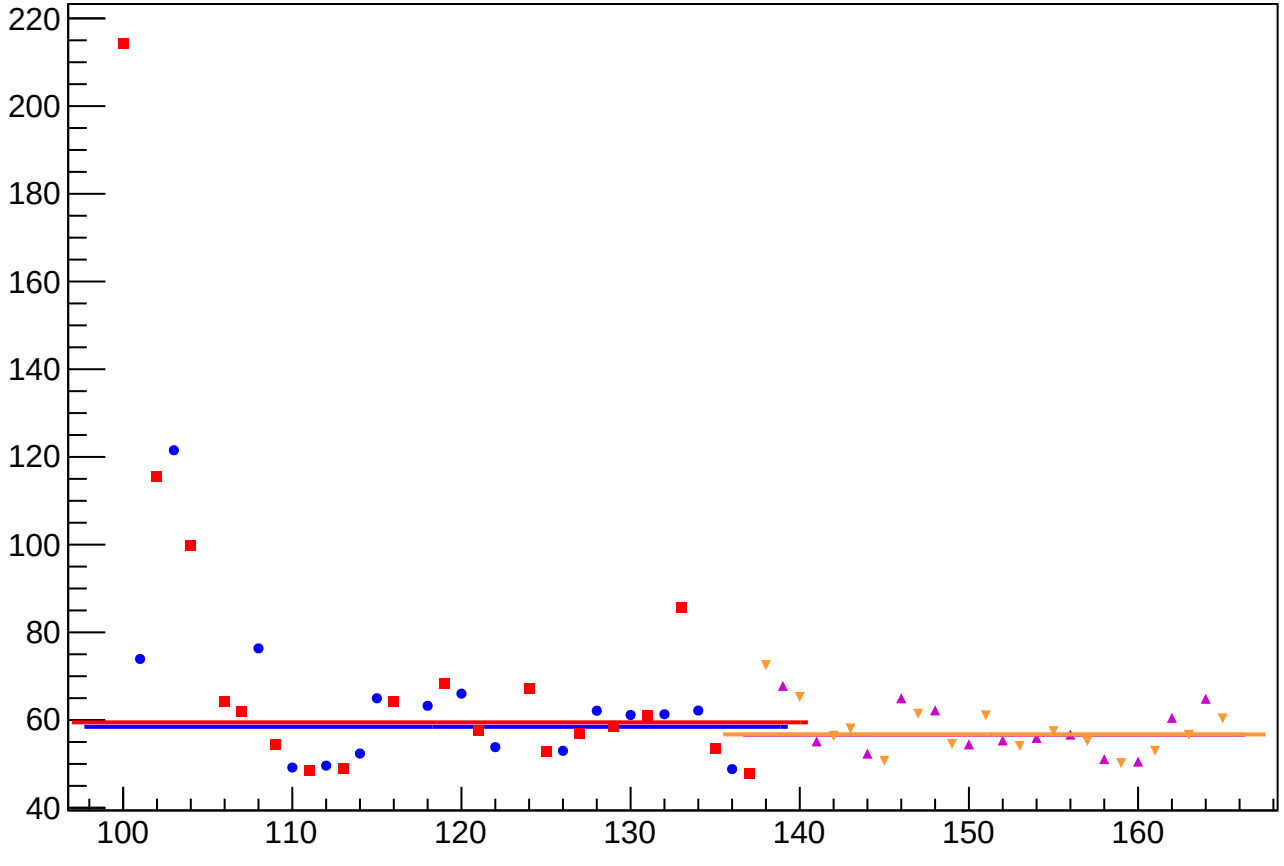
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 31.450+/-13.725 χ^2/NDF:38.7/28

Out: 38.269+/-13.485 χ^2/NDF:37.3/33

All: 34.919+/-9.619 χ^2/NDF: 76.0/62

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.725+/-0.012 χ^2/NDF:189332.7/14

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.650+/-0.012 χ^2/NDF:174177.0/12

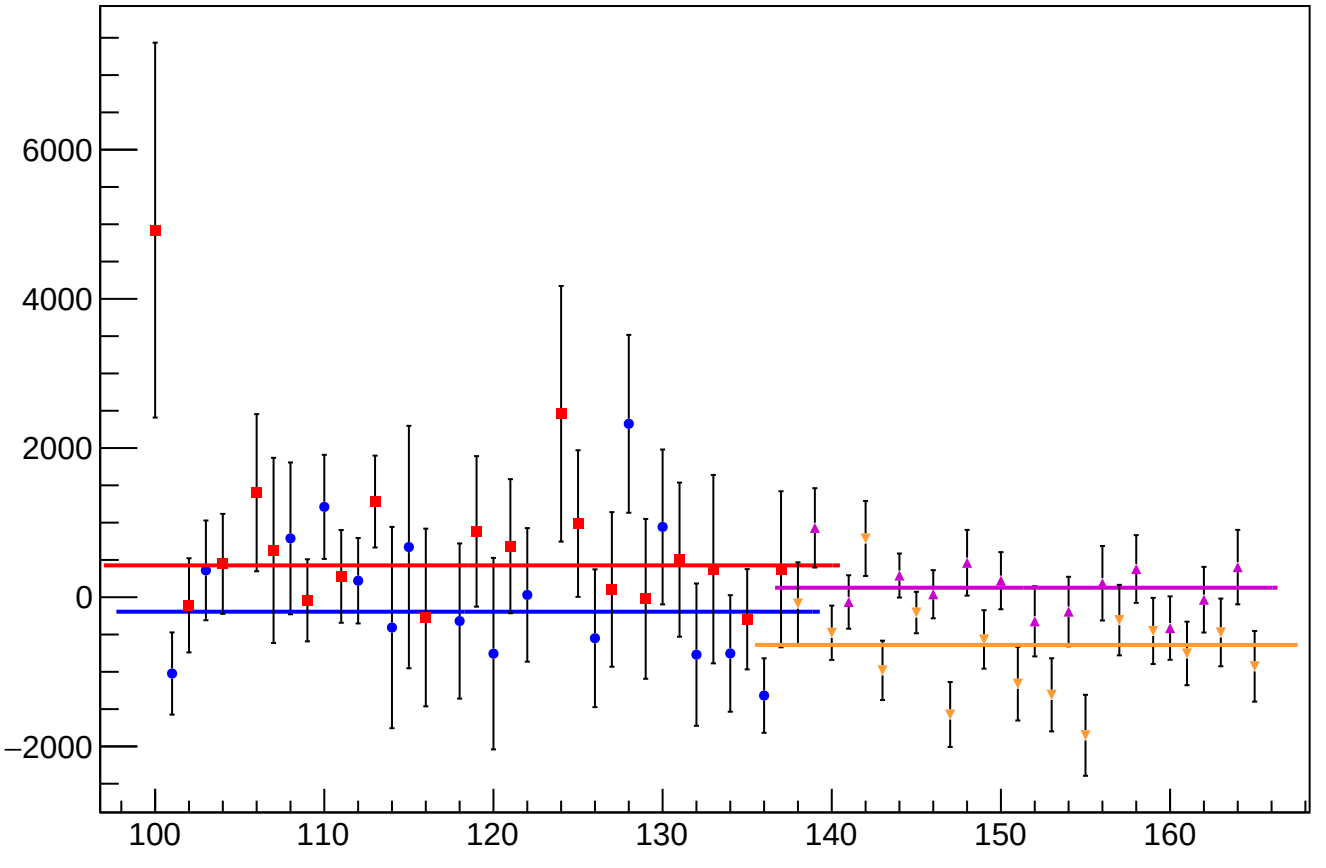
Left: 56.689+/-0.009 χ^2/NDF: 363528.9/27

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.327+/-0.010 χ^2/NDF:765341.8/28

Out: 57.692+/-0.010 χ^2/NDF:993284.9/33

All: 57.513+/-0.007 χ^2/NDF: 1759349.3/62



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -639.087+/-110.537 χ^2/NDF:26.3/14

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 127.477+/-113.917 χ^2/NDF:7.3/12

Left: -267.346+/-79.329 χ^2/NDF: 56.9/27

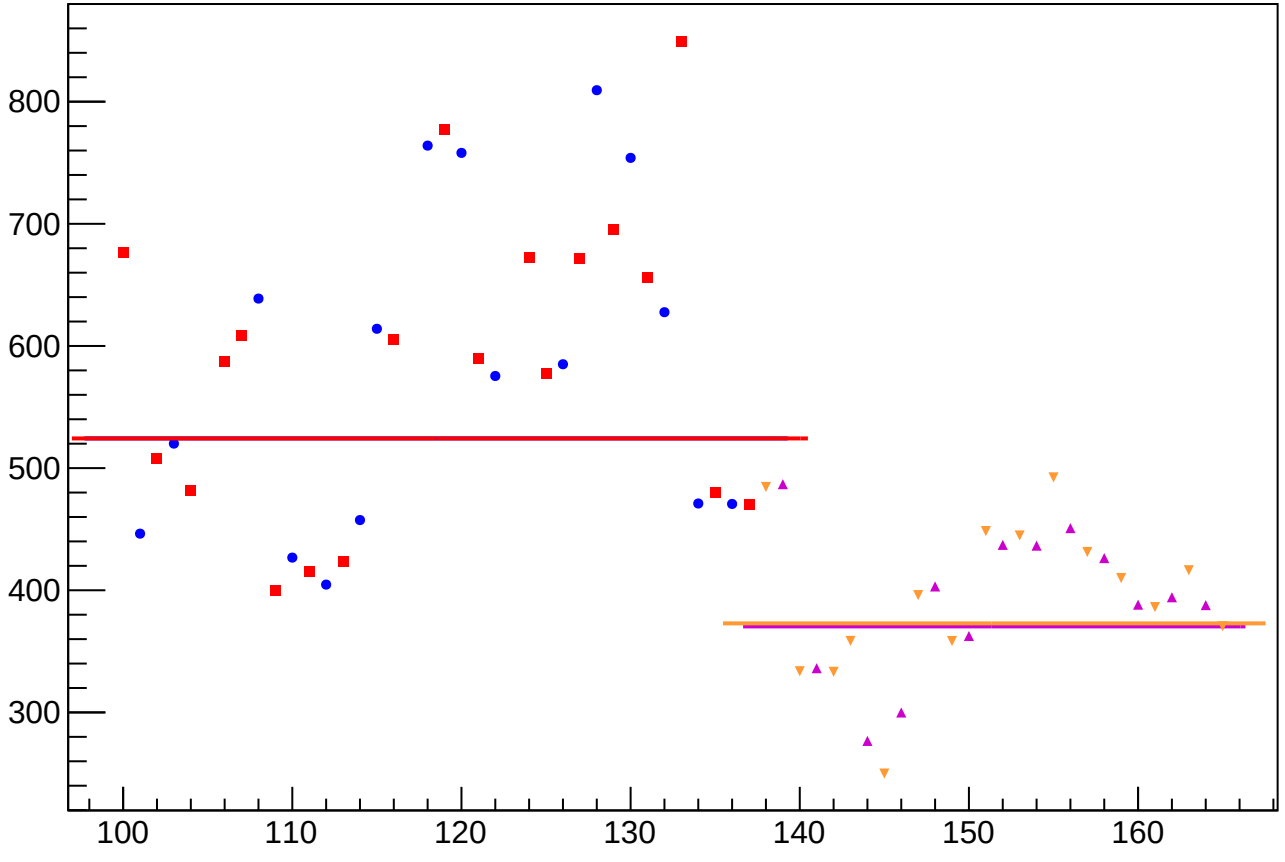
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 49.111+/-99.059 χ^2/NDF:30.1/28

Out: -383.831+/-96.399 χ^2/NDF:59.8/33

All: -173.249+/-69.086 χ^2/NDF: 99.7/62

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 372.907+/-0.078 χ^2/NDF:771272.1/14

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 370.416+/-0.081 χ^2/NDF:597721.8/12

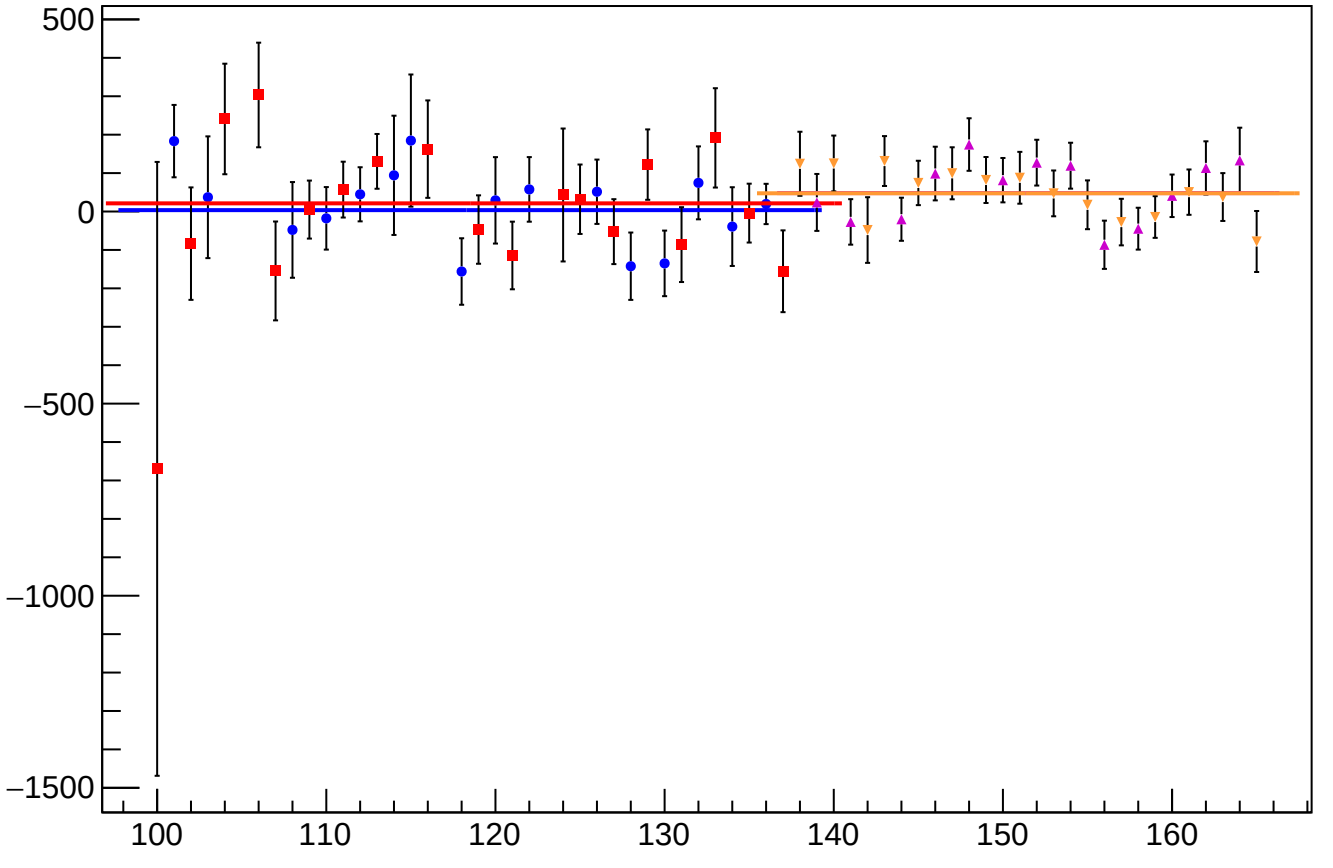
Left: 371.699+/-0.056 χ^2/NDF: 1369486.2/27

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 407.946+/-0.070 χ^2/NDF:2146433.1/28

Out: 409.158+/-0.068 χ^2/NDF:2355714.0/33

All: 408.568+/-0.049 χ^2/NDF: 4502300.8/62



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.463+/-16.736 χ^2/NDF:12.0/14

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.003+/-17.331 χ^2/NDF:20.1/12

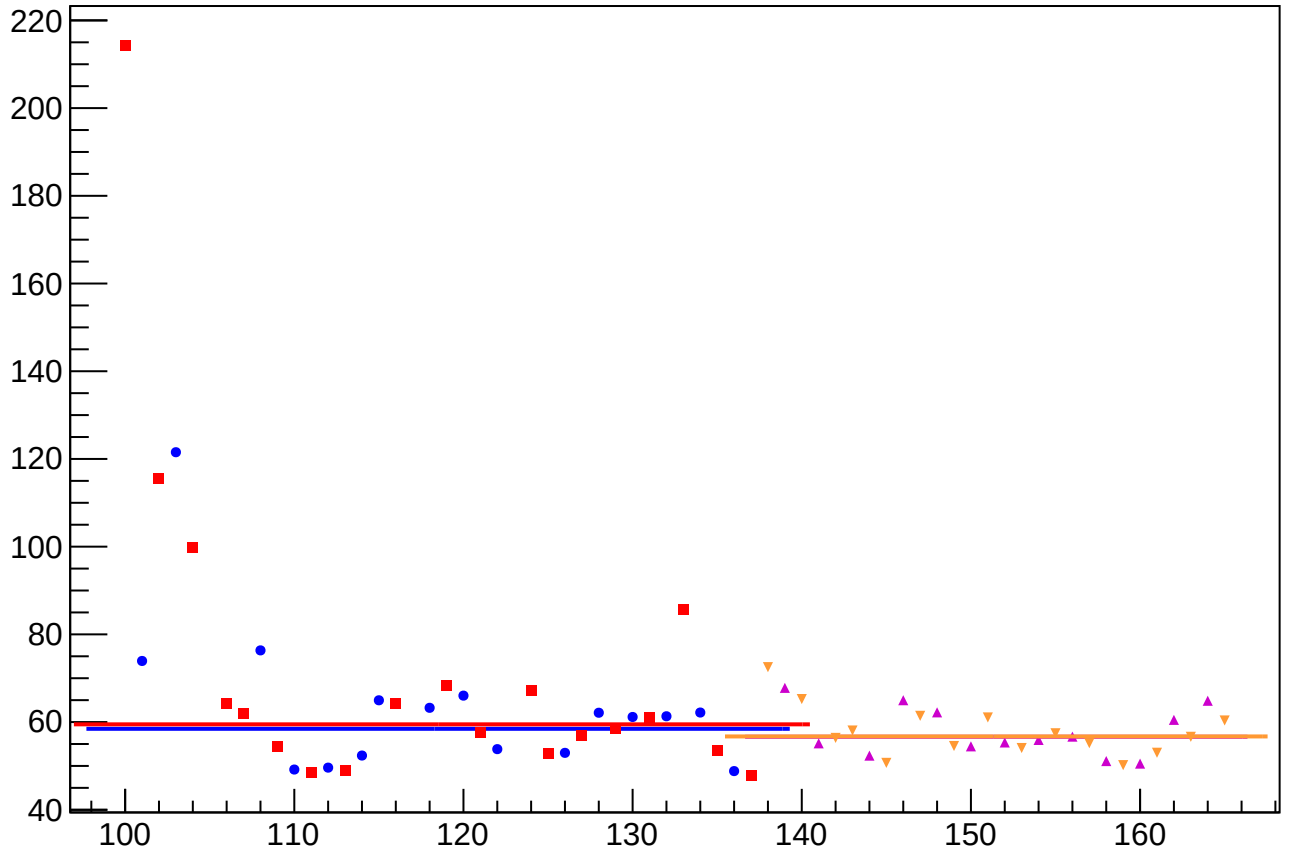
Left: 47.723+/-12.039 χ^2/NDF: 32.0/27

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 31.449+/-13.725 χ^2/NDF:38.7/28

Out: 38.269+/-13.485 χ^2/NDF:37.3/33

All: 34.919+/-9.619 χ^2/NDF: 76.0/62



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.725+/-0.012 χ^2/NDF:189337.1/14

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.650+/-0.012 χ^2/NDF:174179.5/12

Left: 56.689+/-0.009 χ^2/NDF: 363535.7/27

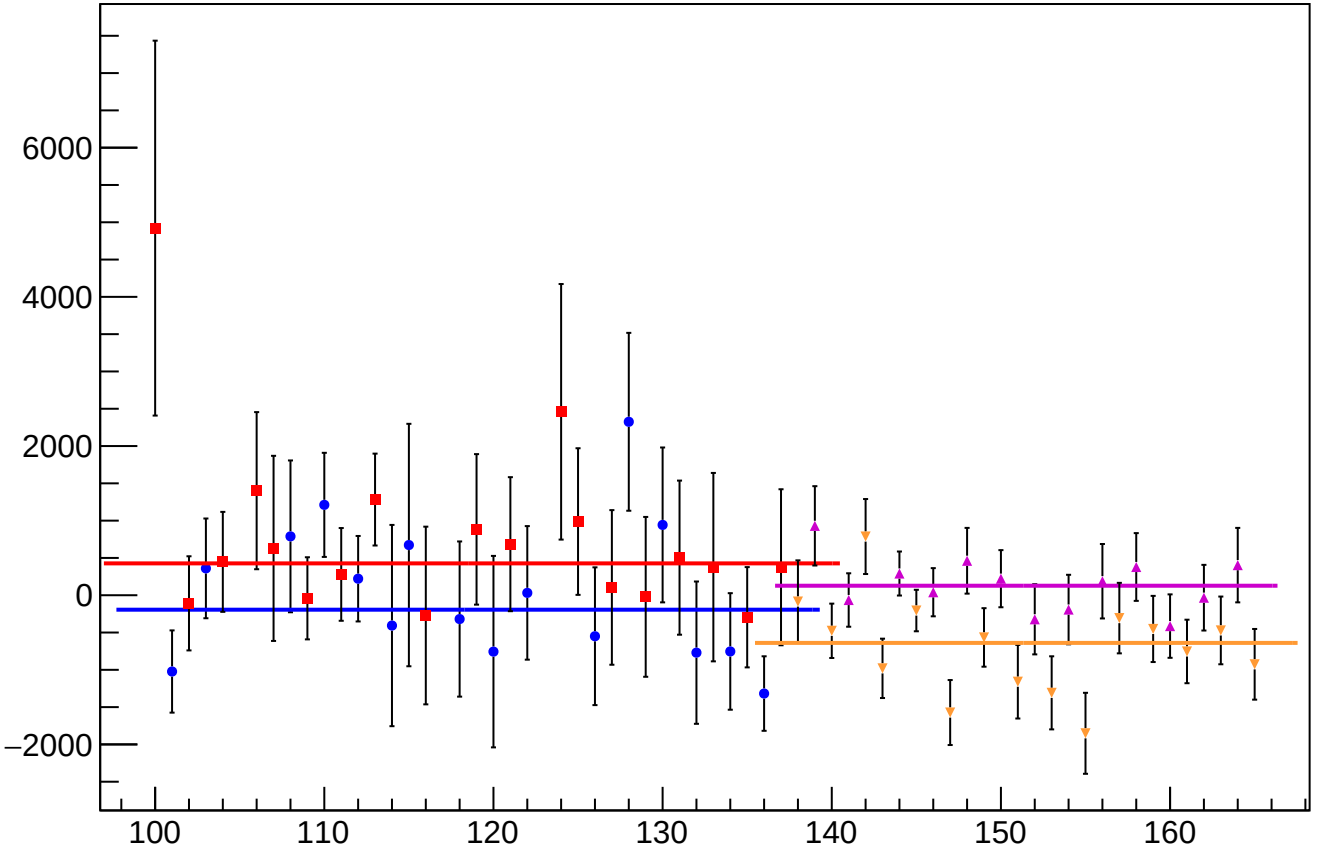
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.327+/-0.010 χ^2/NDF:765340.1/28

Out: 57.693+/-0.010 χ^2/NDF:993288.6/33

All: 57.513+/-0.007 χ^2/NDF: 1759351.4/62

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: -639.087+/-110.537 χ^2/NDF:26.3/14

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 127.476+/-113.917 χ^2/NDF:7.3/12

Left: -267.346+/-79.329 χ^2/NDF: 56.9/27

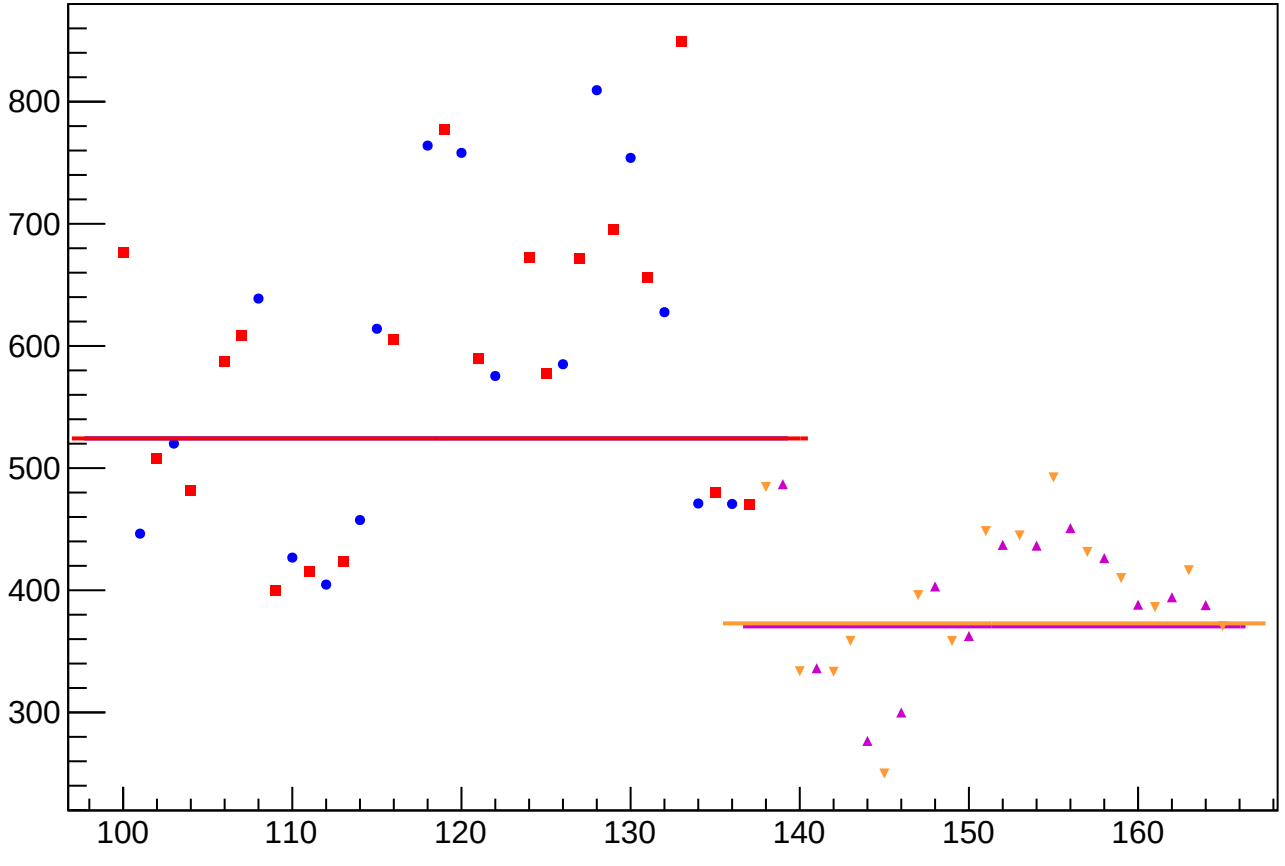
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 49.111+/-99.059 χ^2/NDF:30.1/28

Out: -383.830+/-96.399 χ^2/NDF:59.8/33

All: -173.249+/-69.086 χ^2/NDF: 99.7/62

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: 372.906+/-0.078 χ^2/NDF:771268.6/14

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 370.416+/-0.081 χ^2/NDF:597718.1/12

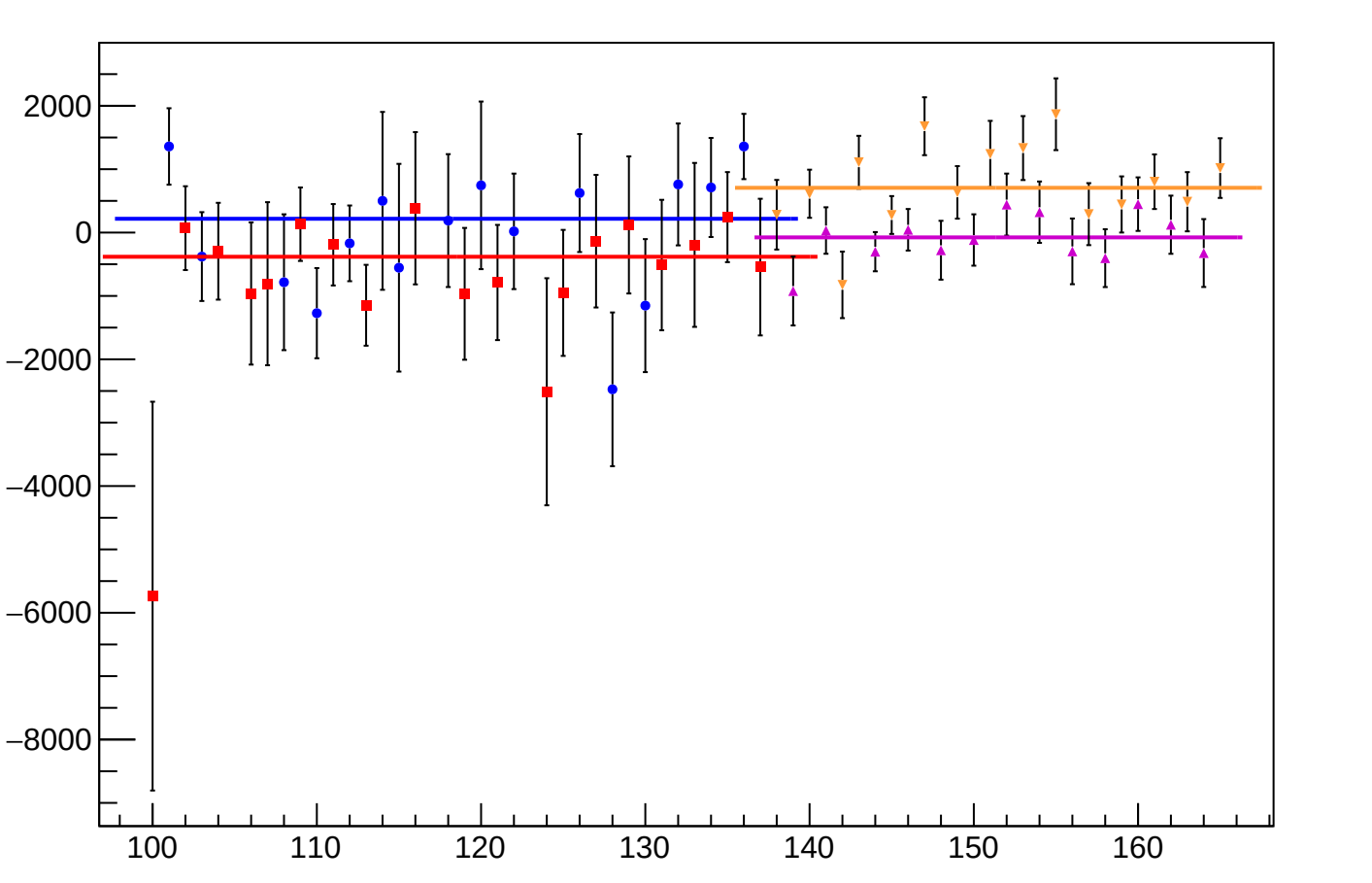
Left: 371.699+/-0.056 χ^2/NDF: 1369479.0/27

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 407.946+/-0.070 χ^2/NDF:2146428.8/28

Out: 409.157+/-0.068 χ^2/NDF:2355707.0/33

All: 408.568+/-0.049 χ^2/NDF: 4502289.4/62



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 706.125+/-114.787 χ^2/NDF:25.3/14

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -76.095+/-117.782 χ^2/NDF:7.8/12

Left: 325.087+/-82.205 χ^2/NDF: 55.7/27

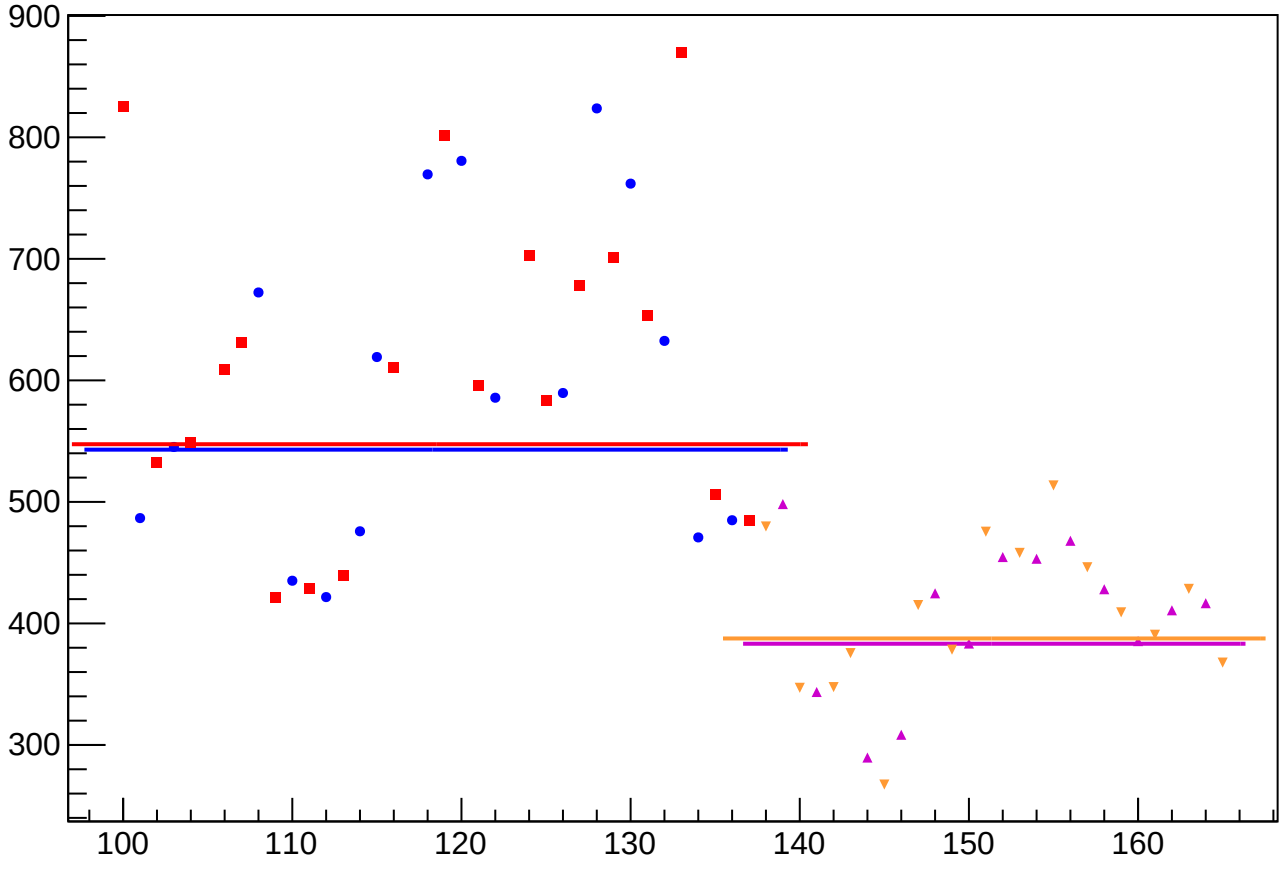
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -4.484+/-102.430 χ^2/NDF:32.2/28

Out: 447.563+/-100.223 χ^2/NDF:56.6/33

All: 226.461+/-71.636 χ^2/NDF: 98.8/62

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 387.630+/-0.081 χ^2/NDF:670937.0/14

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 383.290+/-0.083 χ^2/NDF:588222.7/12

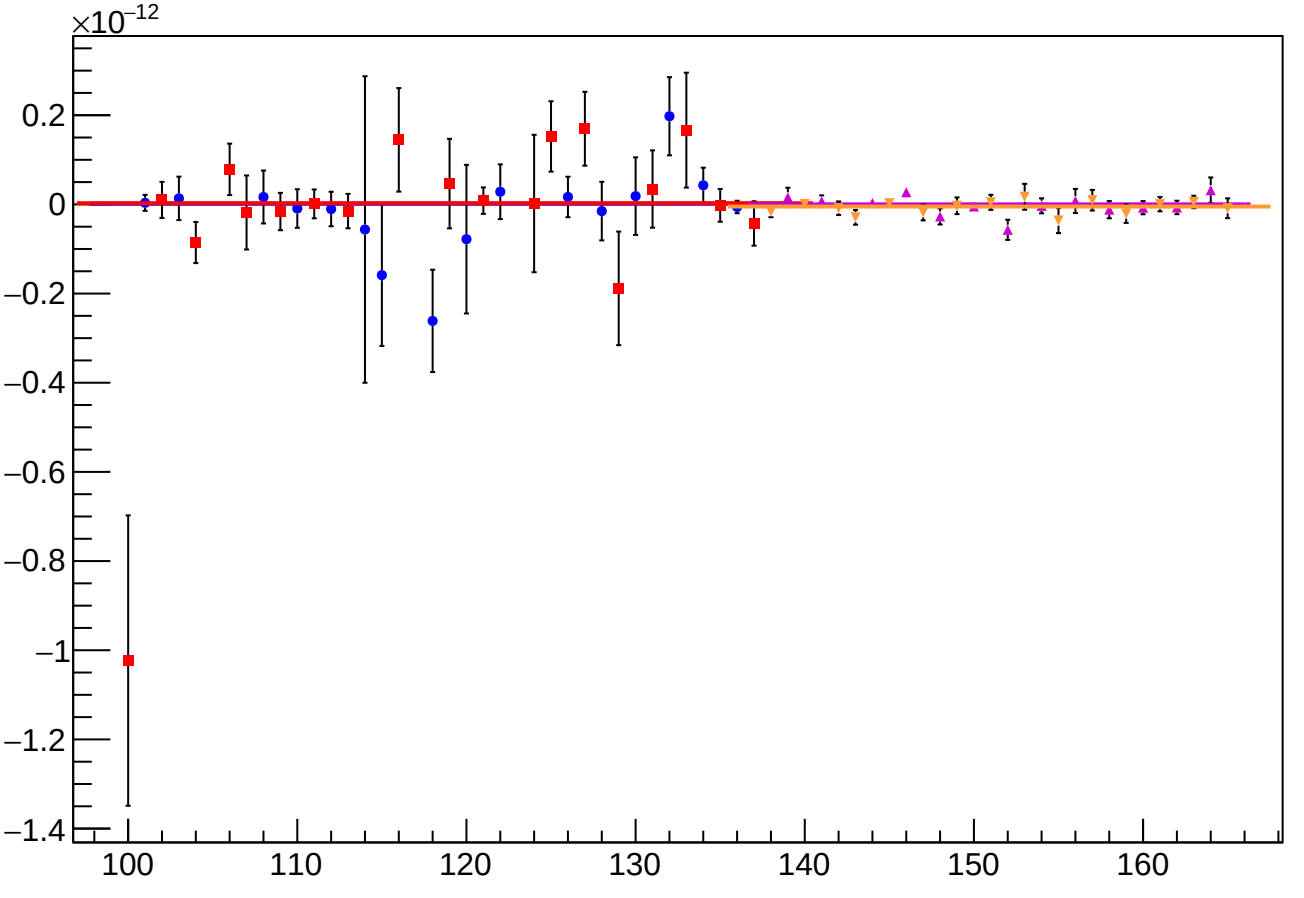
Left: 385.516+/-0.058 χ^2/NDF: 1260552.4/27

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 422.210+/-0.072 χ^2/NDF:2089611.3/28

Out: 425.616+/-0.071 χ^2/NDF:2222814.0/33

All: 423.950+/-0.051 χ^2/NDF: 4313555.0/62



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/12

Left: -0.000+/-0.000 χ^2/NDF: 27.1/27

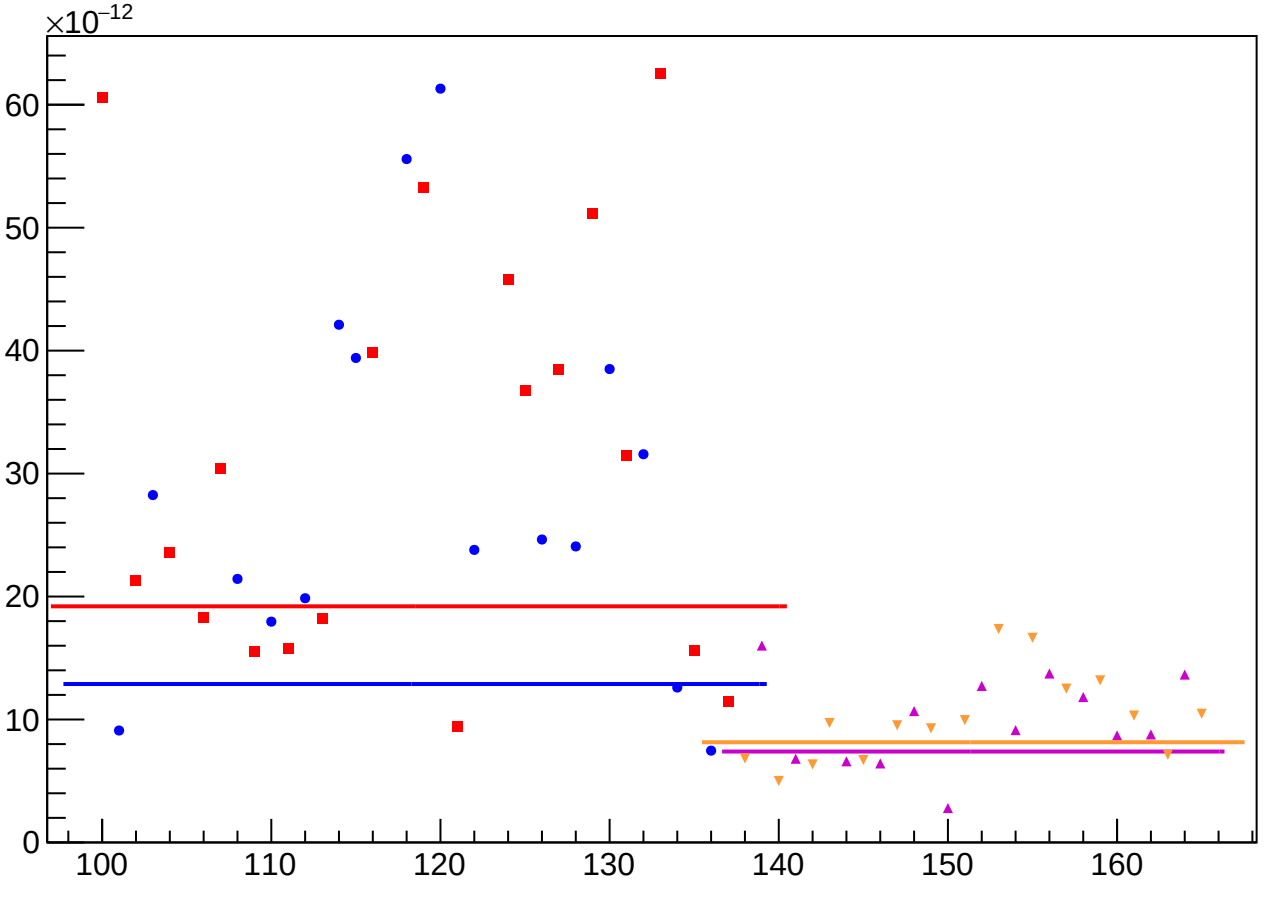
Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:31.6/28

Out: -0.000+/-0.000 χ^2/NDF:38.7/33

All: -0.000+/-0.000 χ^2/NDF: 71.0/62

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1032080.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1500095.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2568266.0/27

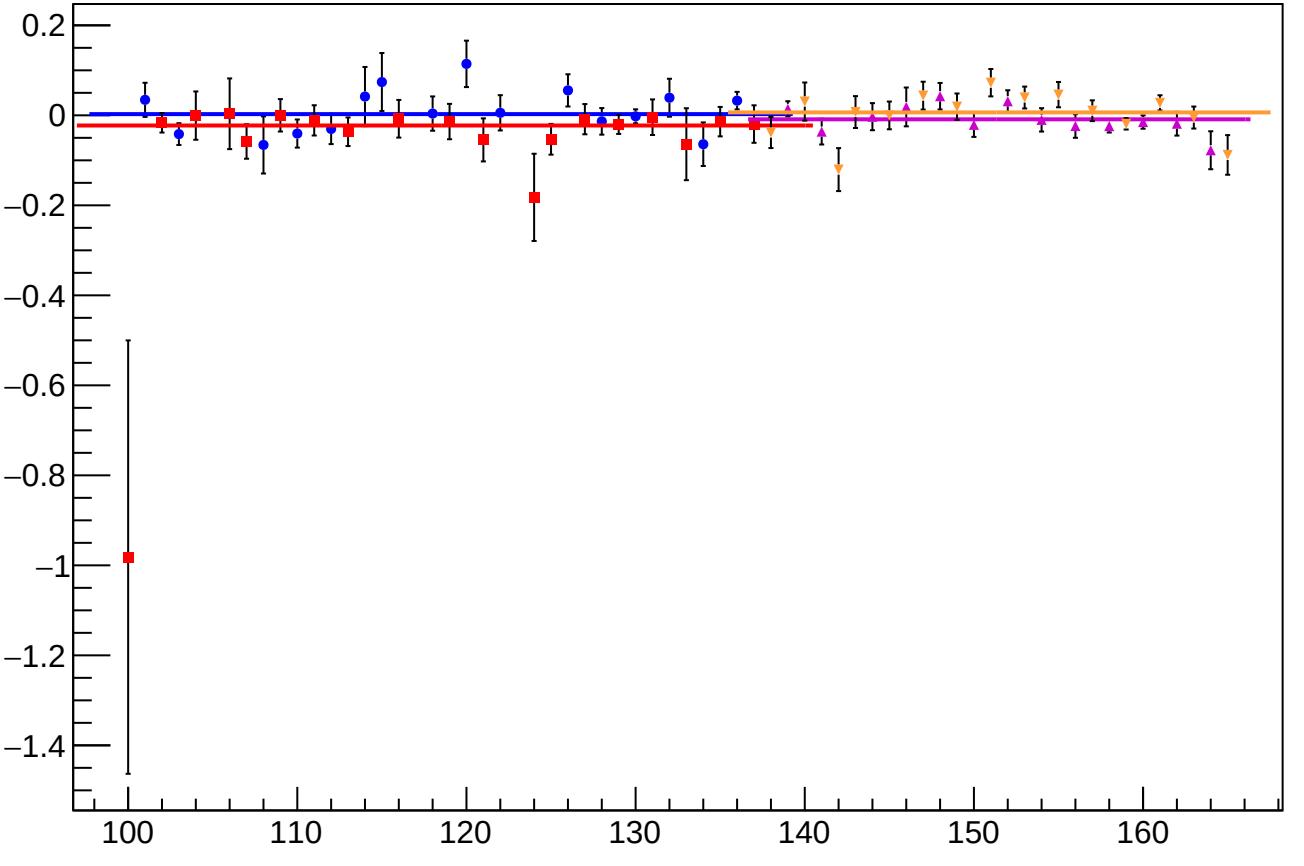
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:3871347.3/28

Out: 0.000+/-0.000 χ^2/NDF:3898588.4/33

All: 0.000+/-0.000 χ^2/NDF: 7833502.9/62

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: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

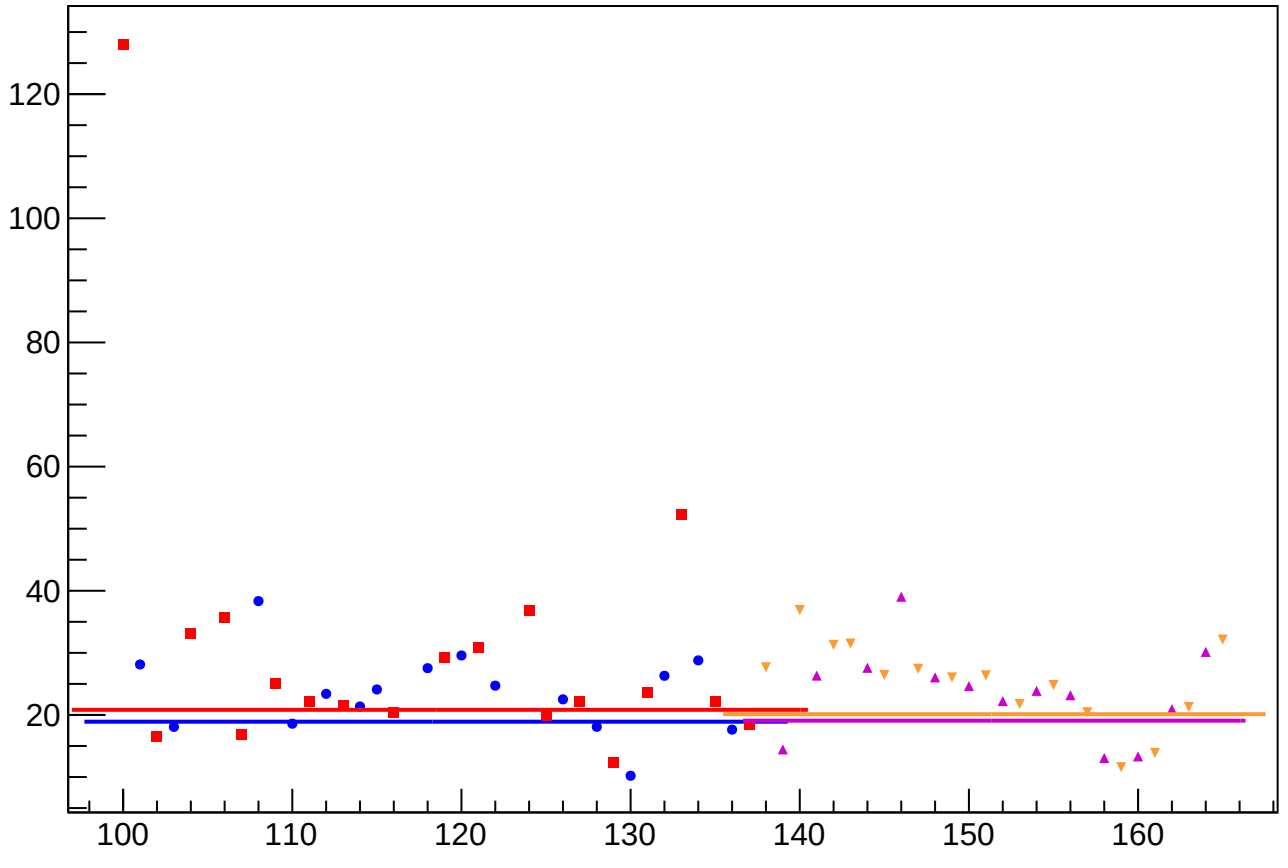
Left: -0.001+/-0.005 χ^2/NDF: 46.2/27

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.8/62



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489553.7/14

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

Left: 19.587+/-0.003 χ^2/NDF: 4537708.0/27

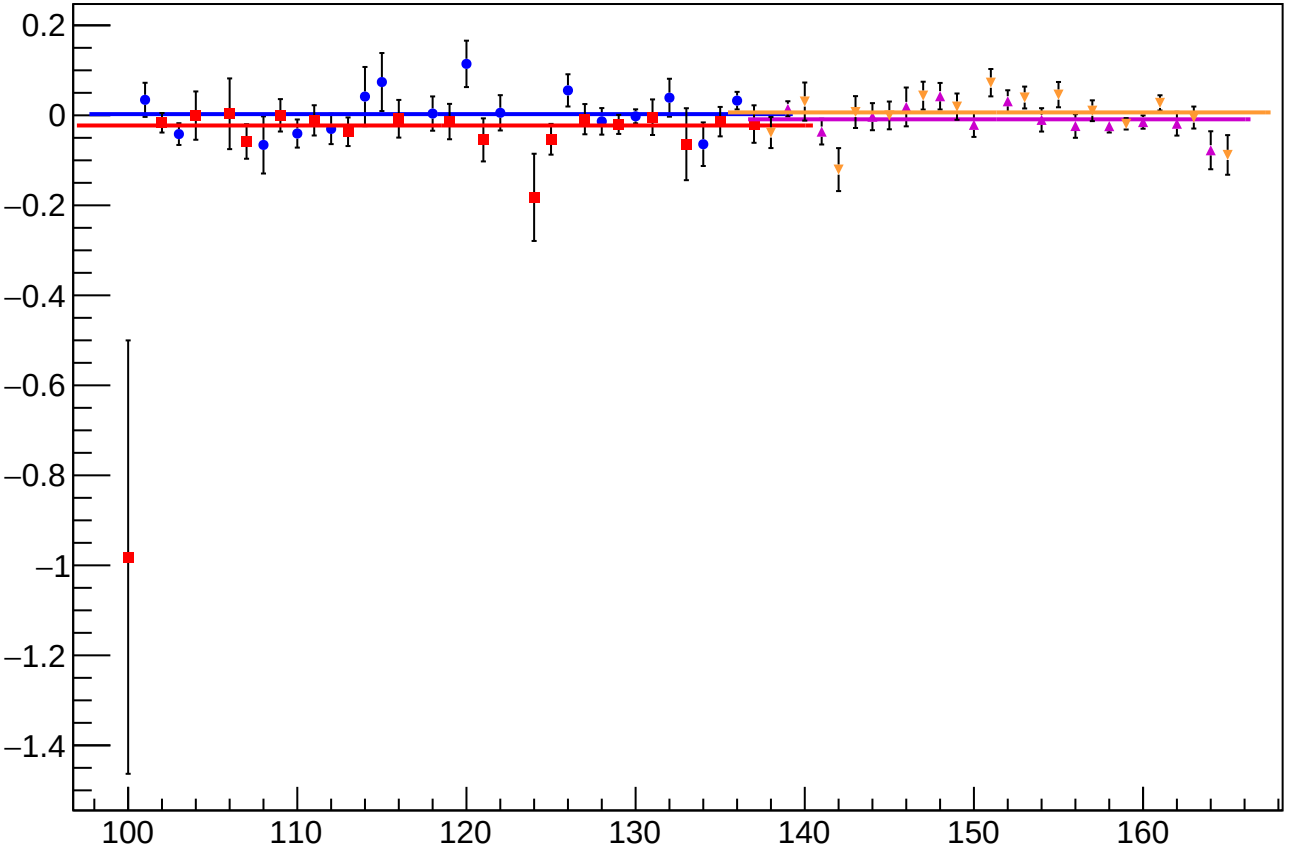
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.013+/-0.003 χ^2/NDF:3412640.1/28

Out: 20.383+/-0.004 χ^2/NDF:3789861.5/33

All: 19.666+/-0.003 χ^2/NDF: 7276635.3/62

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: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.001+/-0.005 χ^2/NDF: 46.2/27

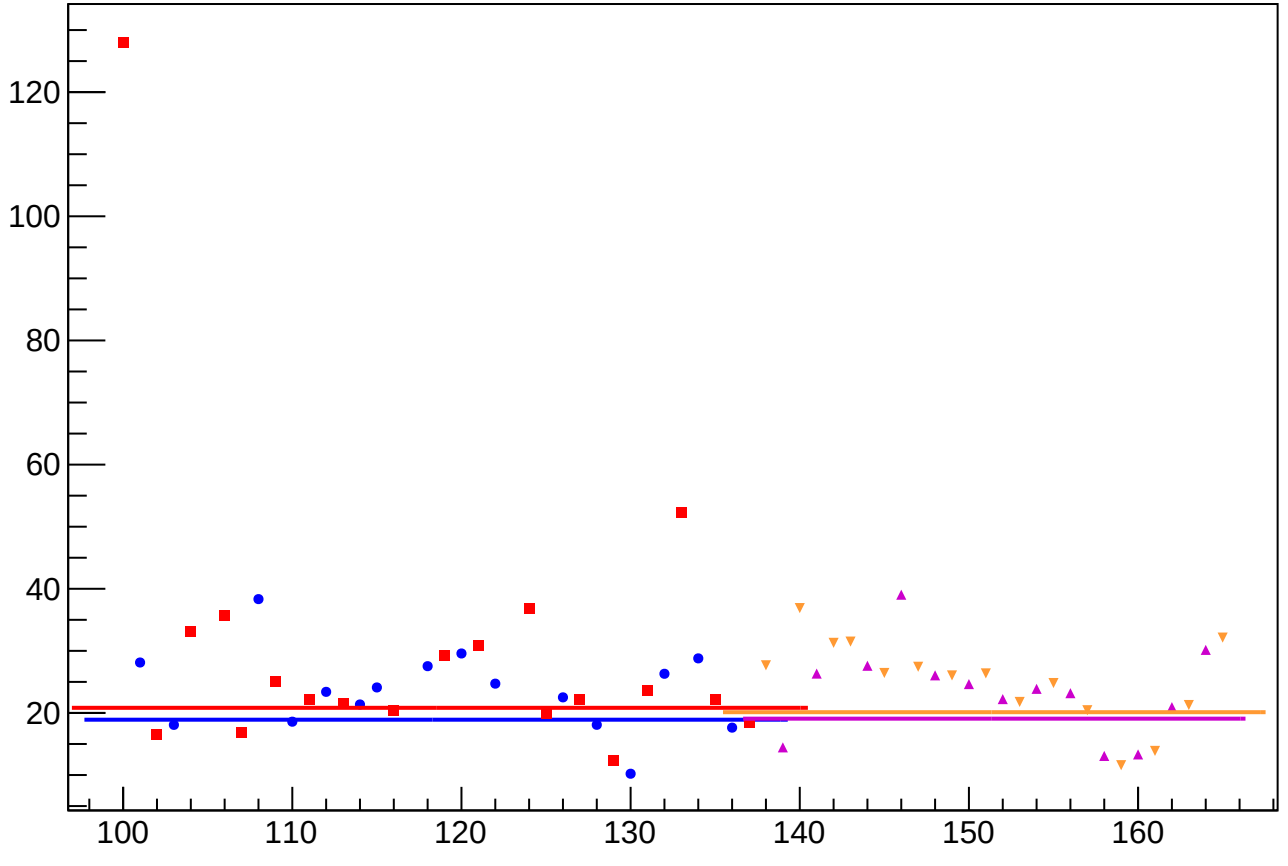
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.8/62

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: 20.121+/-0.005 χ^2/NDF:2489553.7/14

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

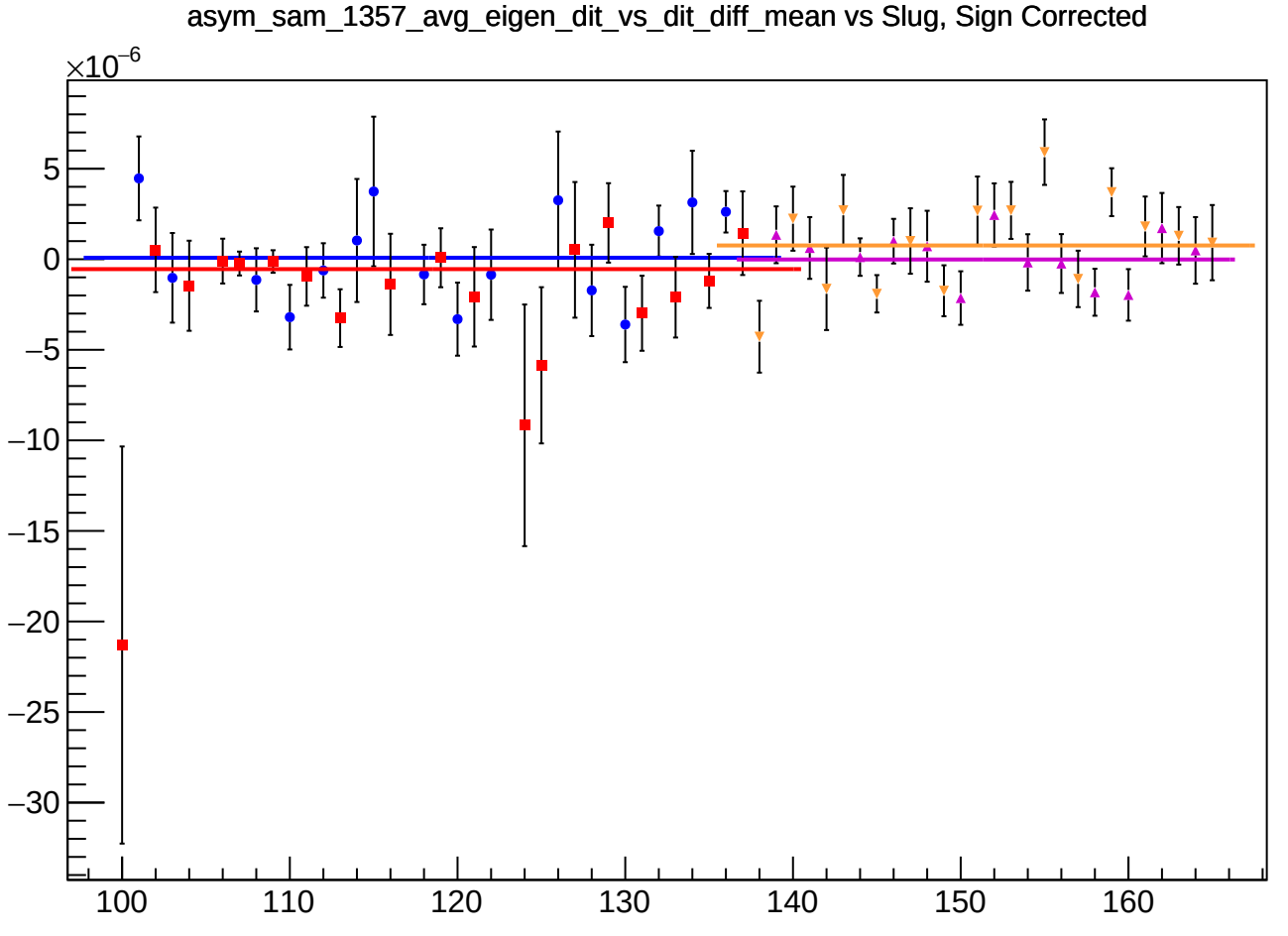
Left: 19.587+/-0.003 χ^2/NDF: 4537708.0/27

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.013+/-0.003 χ^2/NDF:3412640.1/28

Out: 20.383+/-0.004 χ^2/NDF:3789861.5/33

All: 19.666+/-0.003 χ^2/NDF: 7276635.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

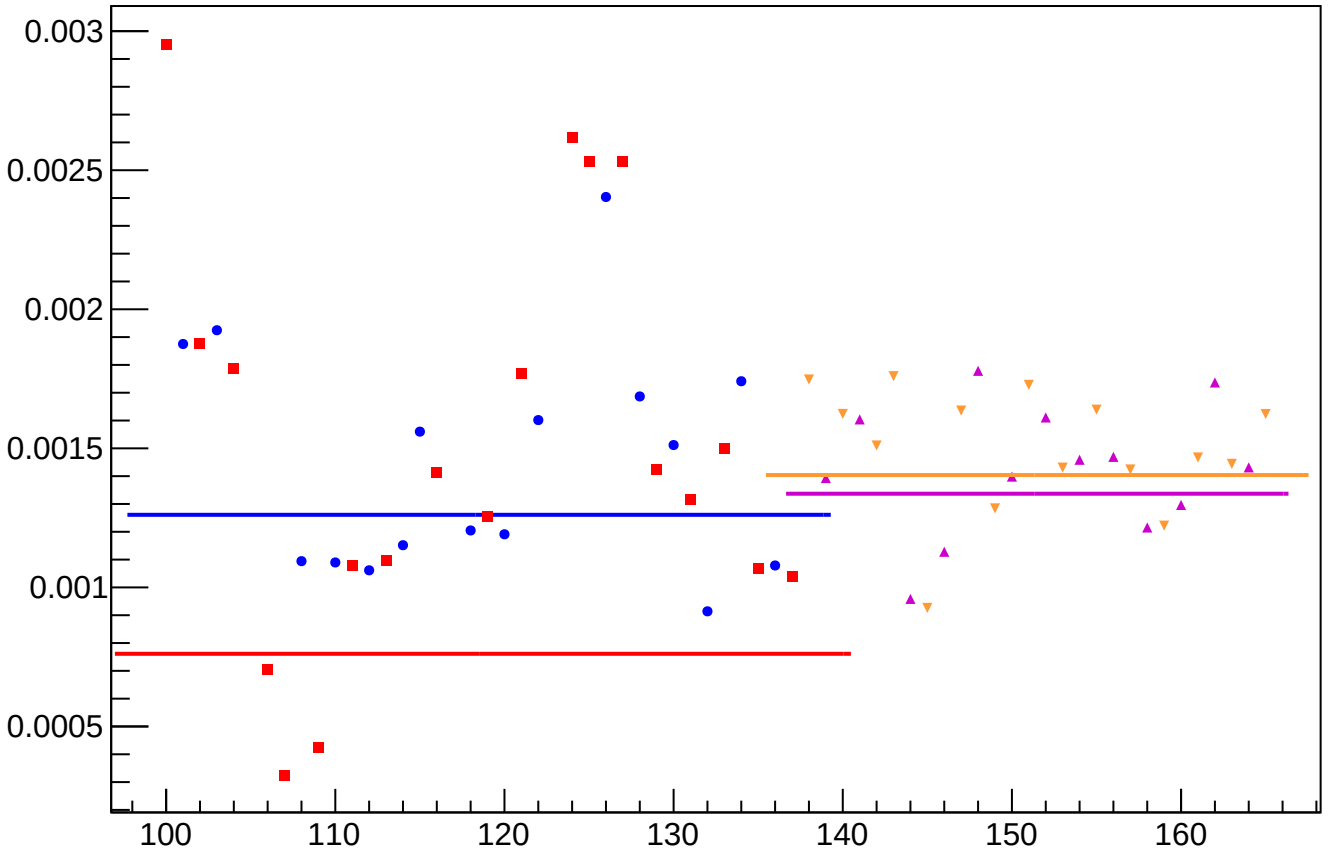
Left: 0.000+/-0.000 χ^2/NDF: 48.9/27

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:34.1/28

Out: -0.000+/-0.000 χ^2/NDF:58.2/33

All: -0.000+/-0.000 χ^2/NDF: 92.3/62



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:795686.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:665918.6/12

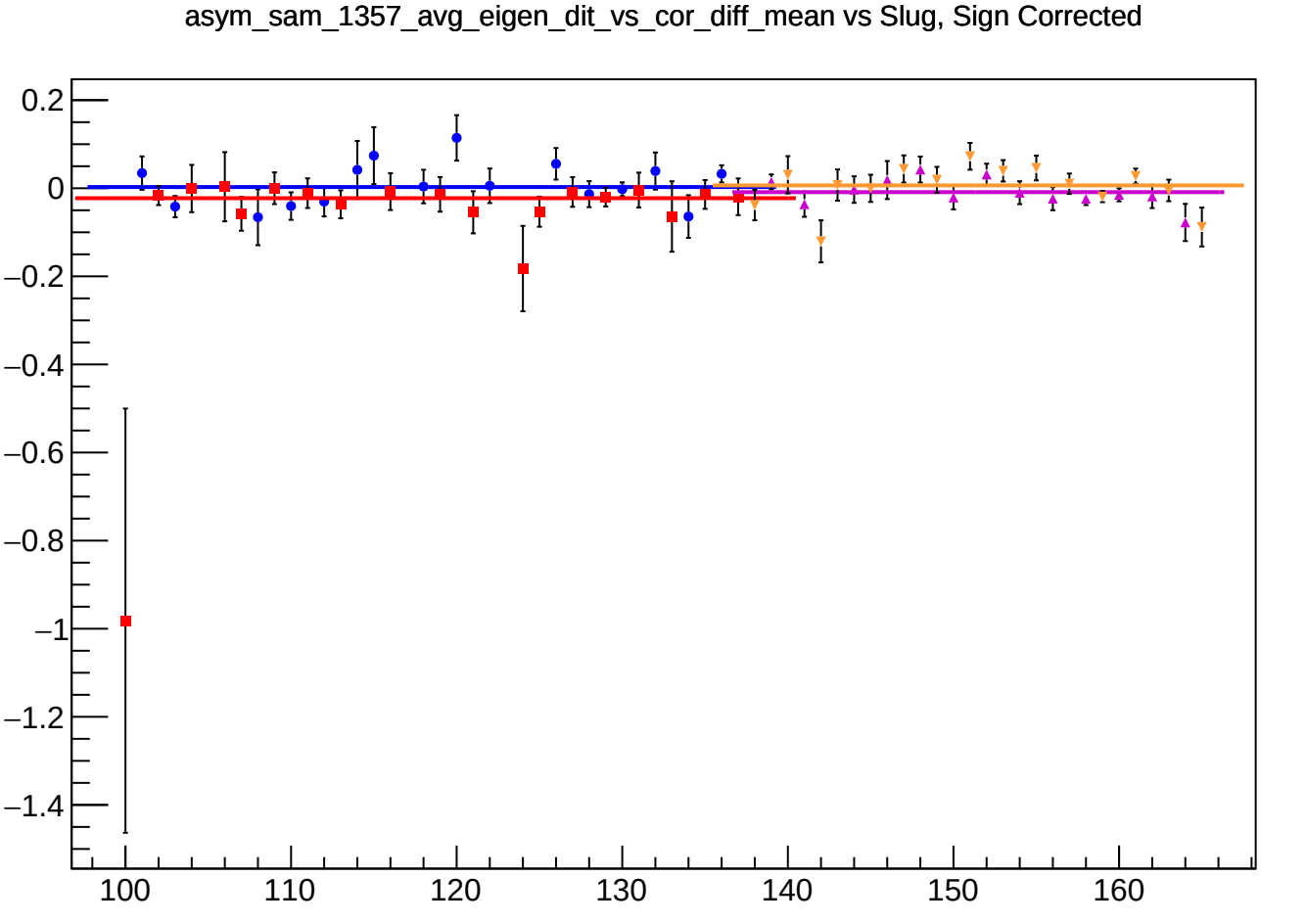
Left: 0.001+/-0.000 χ^2/NDF: 1487758.8/27

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1601362.9/28

Out: 0.001+/-0.000 χ^2/NDF:8333168.3/33

All: 0.001+/-0.000 χ^2/NDF: 10922525.3/62



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.001+/-0.005 χ^2/NDF: 46.2/27

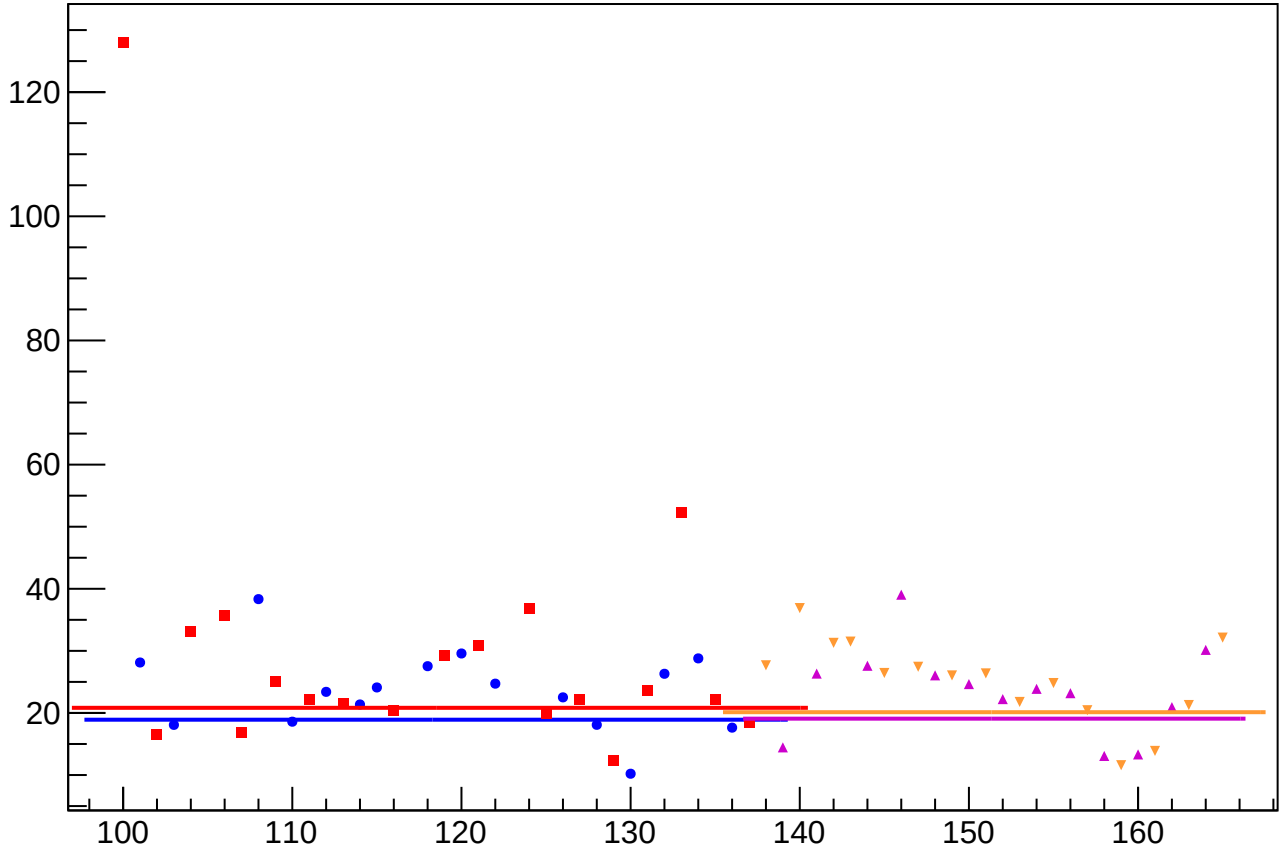
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.8/62

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: 20.121+/-0.005 χ^2/NDF:2489753.0/14

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

Left: 19.587+/-0.003 χ^2/NDF: 4538004.9/27

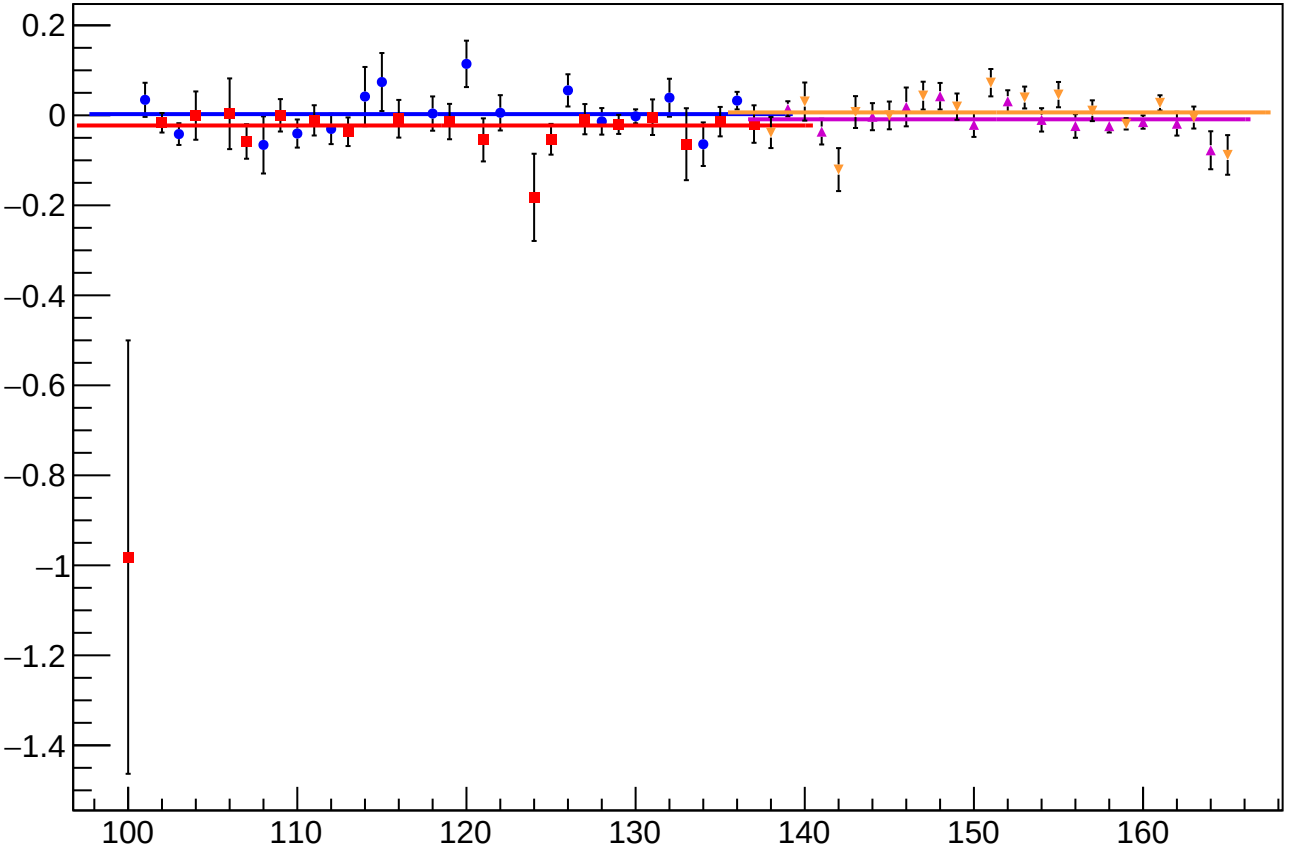
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.013+/-0.003 χ^2/NDF:3412627.5/28

Out: 20.383+/-0.004 χ^2/NDF:3790060.8/33

All: 19.667+/-0.003 χ^2/NDF: 7276803.1/62

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: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.001+/-0.005 χ^2/NDF: 46.2/27

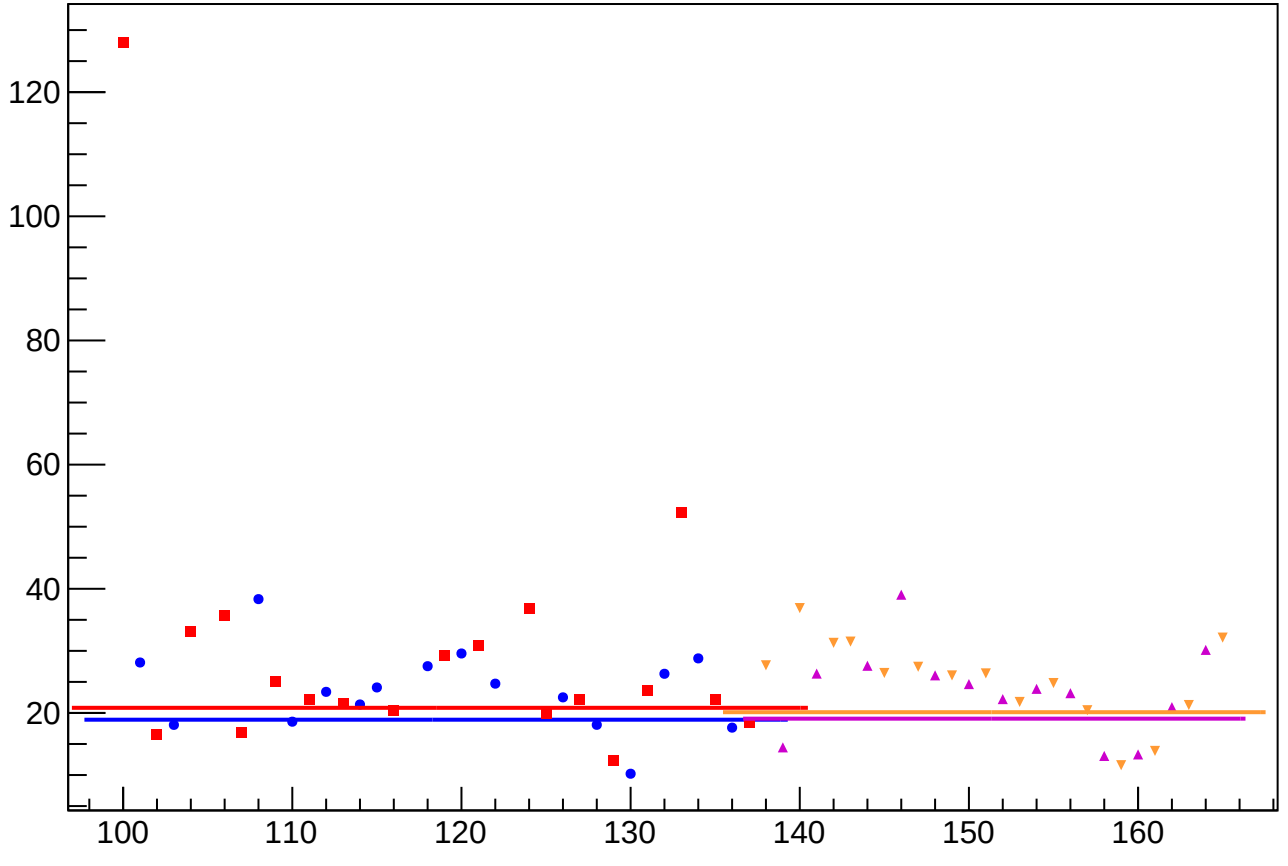
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.8/62

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: 20.121+/-0.005 χ^2/NDF:2489753.0/14

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

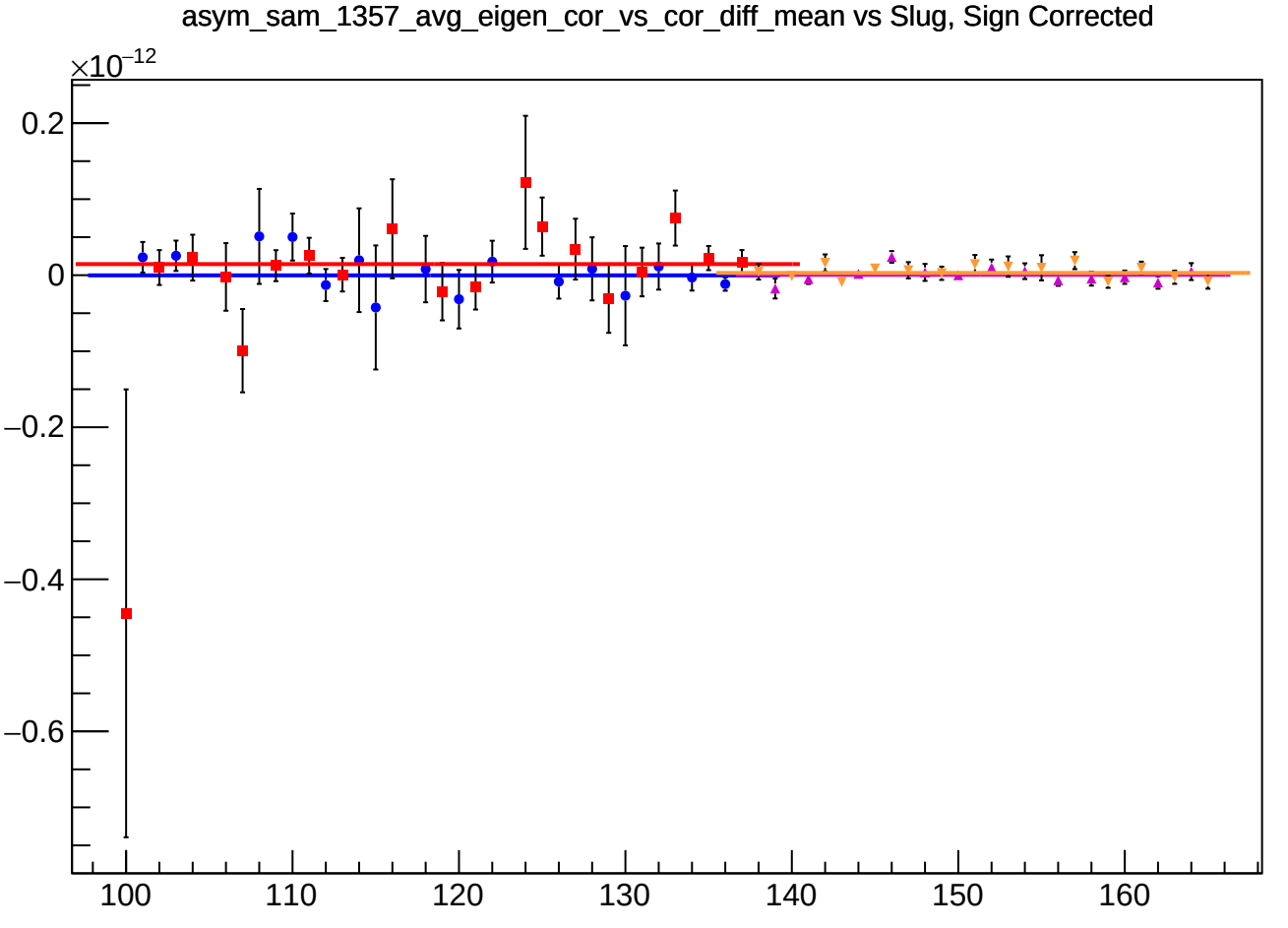
Left: 19.587+/-0.003 χ^2/NDF: 4538004.9/27

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.013+/-0.003 χ^2/NDF:3412627.5/28

Out: 20.383+/-0.004 χ^2/NDF:3790060.8/33

All: 19.667+/-0.003 χ^2/NDF: 7276803.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/12

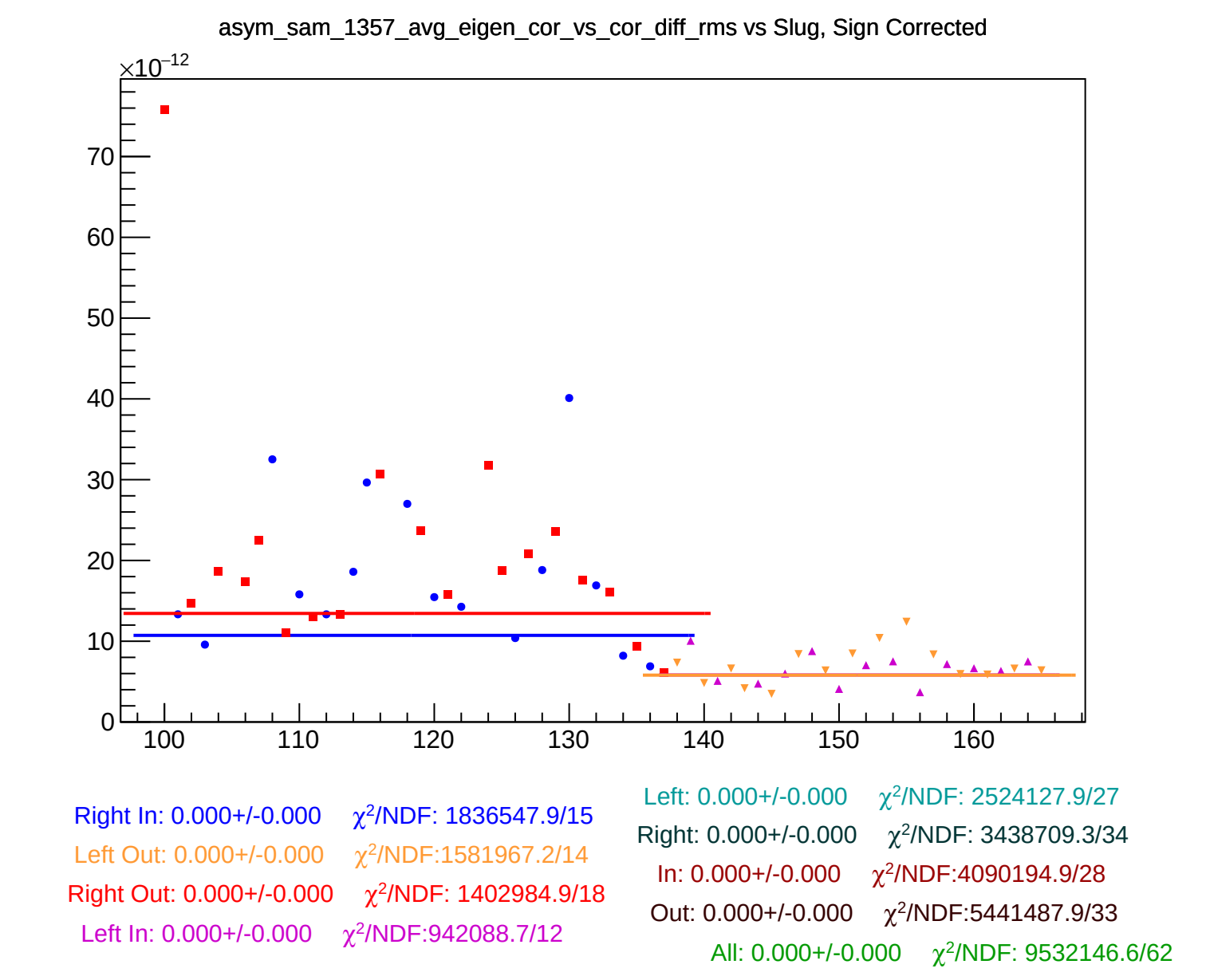
Left: 0.000+/-0.000 χ^2/NDF: 31.6/27

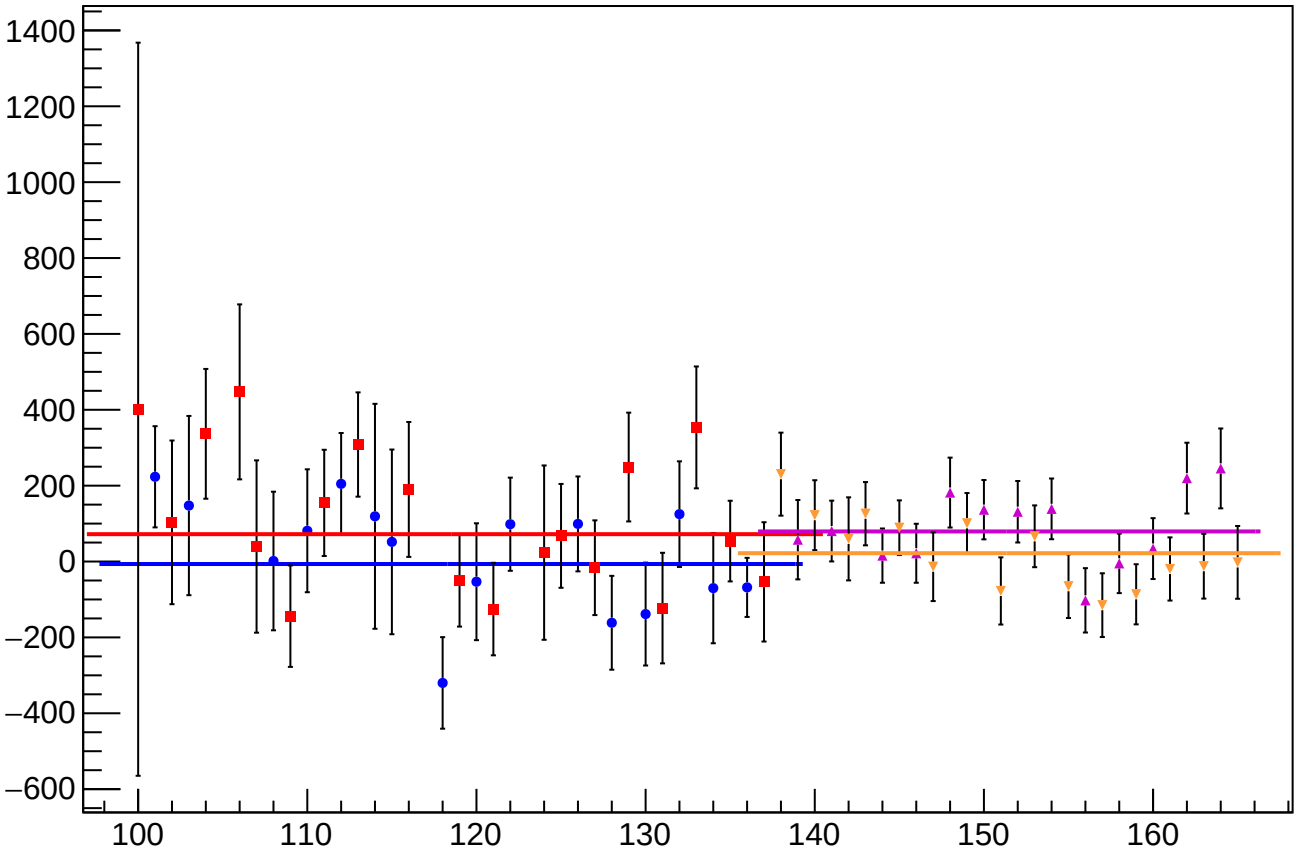
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.8/28

Out: 0.000+/-0.000 χ^2/NDF:35.1/33

All: 0.000+/-0.000 χ^2/NDF: 63.5/62


asym_sam_1357_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1581967.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:942088.7/12
Left: 0.000+/-0.000 χ²/NDF: 2524127.9/27
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4090194.9/28
Out: 0.000+/-0.000 χ²/NDF:5441487.9/33
All: 0.000+/-0.000 χ²/NDF: 9532146.6/62



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.970+/-22.300 χ^2/NDF:16.1/14

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 79.326+/-23.187 χ^2/NDF:14.9/12

Left: 49.530+/-16.073 χ^2/NDF: 34.2/27

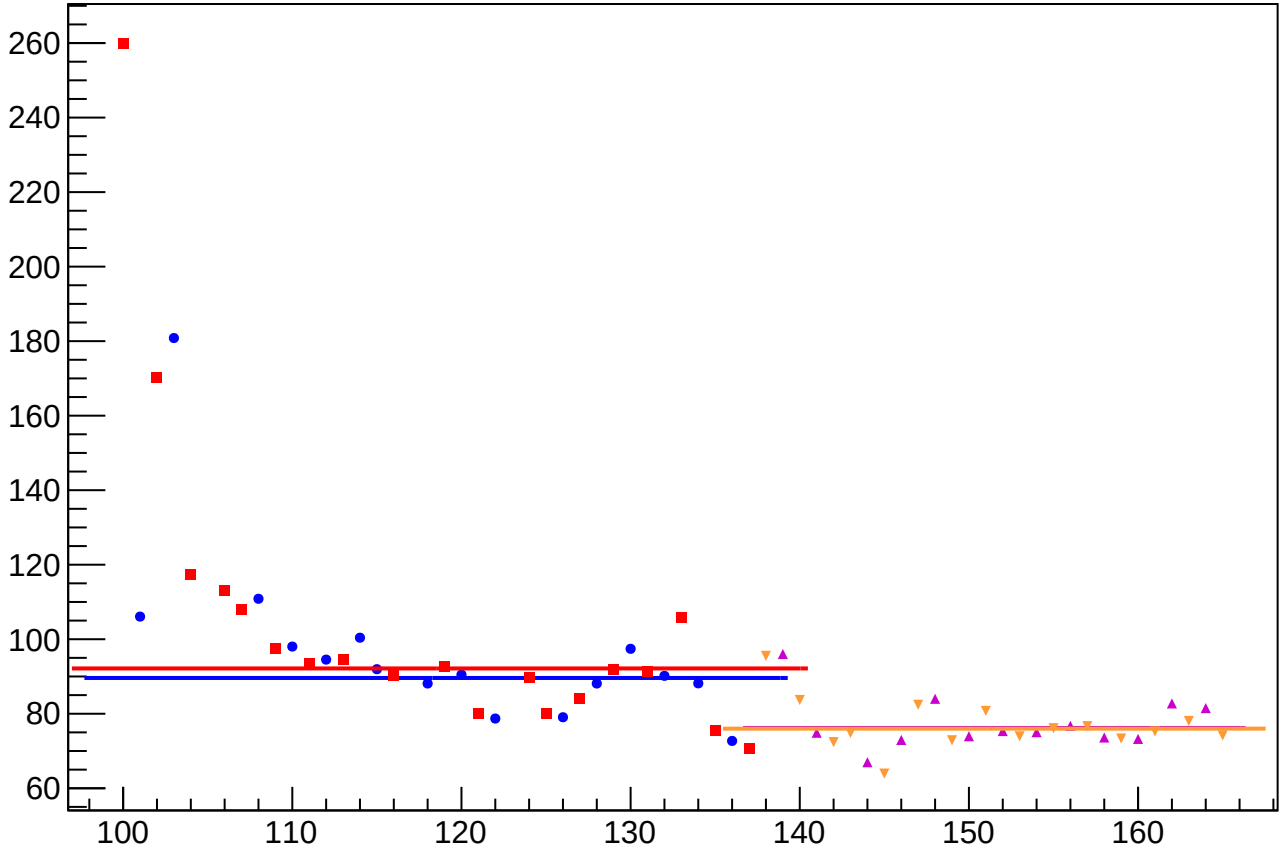
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 52.373+/-19.207 χ^2/NDF:38.2/28

Out: 36.521+/-18.789 χ^2/NDF:40.4/33

All: 44.272+/-13.431 χ^2/NDF: 78.9/62

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

Left: 76.087+/-0.011 χ^2/NDF: 306451.4/27

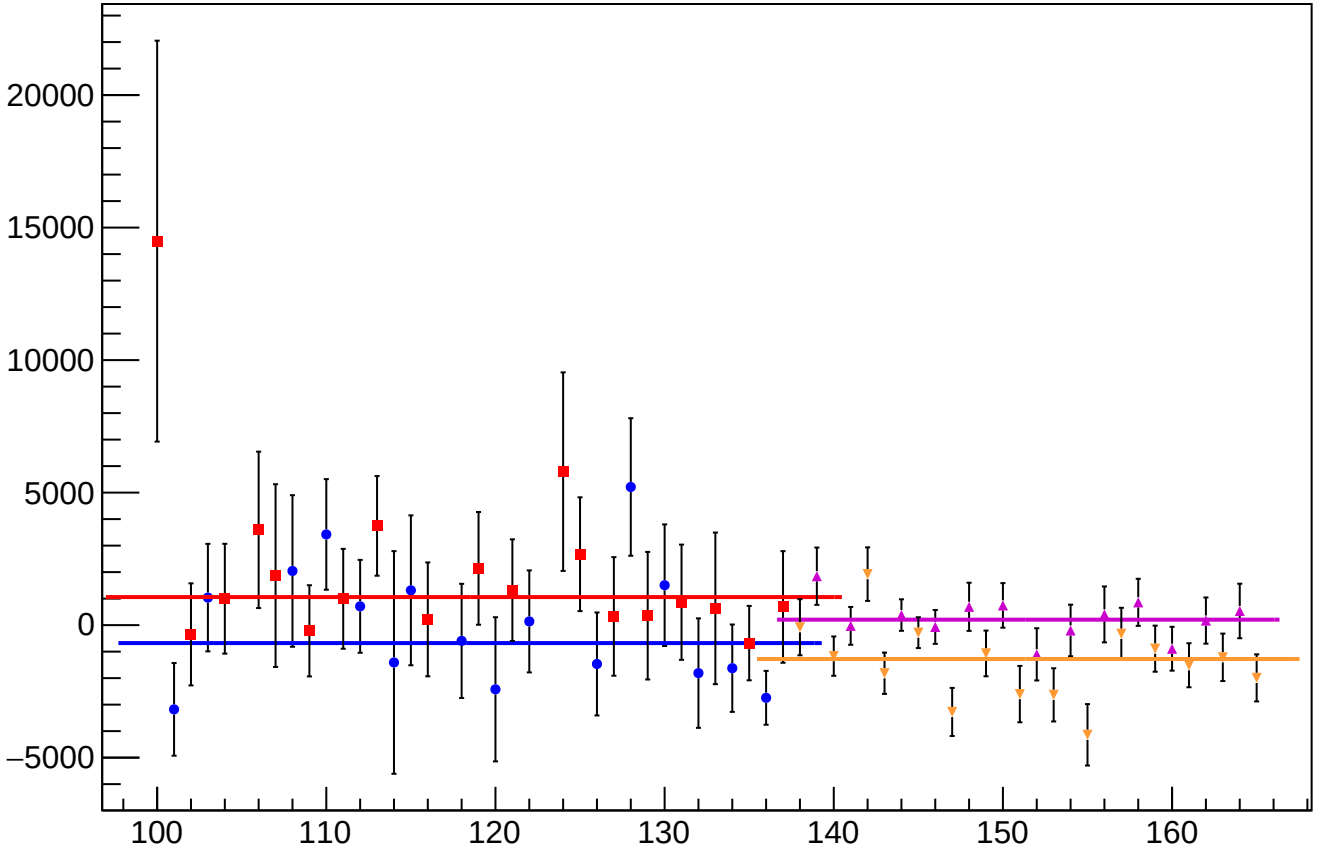
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.392+/-0.014 χ^2/NDF:854362.7/28

Out: 80.690+/-0.013 χ^2/NDF:1007548.8/33

All: 80.544+/-0.009 χ^2/NDF: 1862156.7/62

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: -1277.644+/-224.724 χ^2/NDF:31.0/14

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 205.985+/-231.231 χ^2/NDF:7.8/12

Left: -556.996+/-161.155 χ^2/NDF: 59.9/27

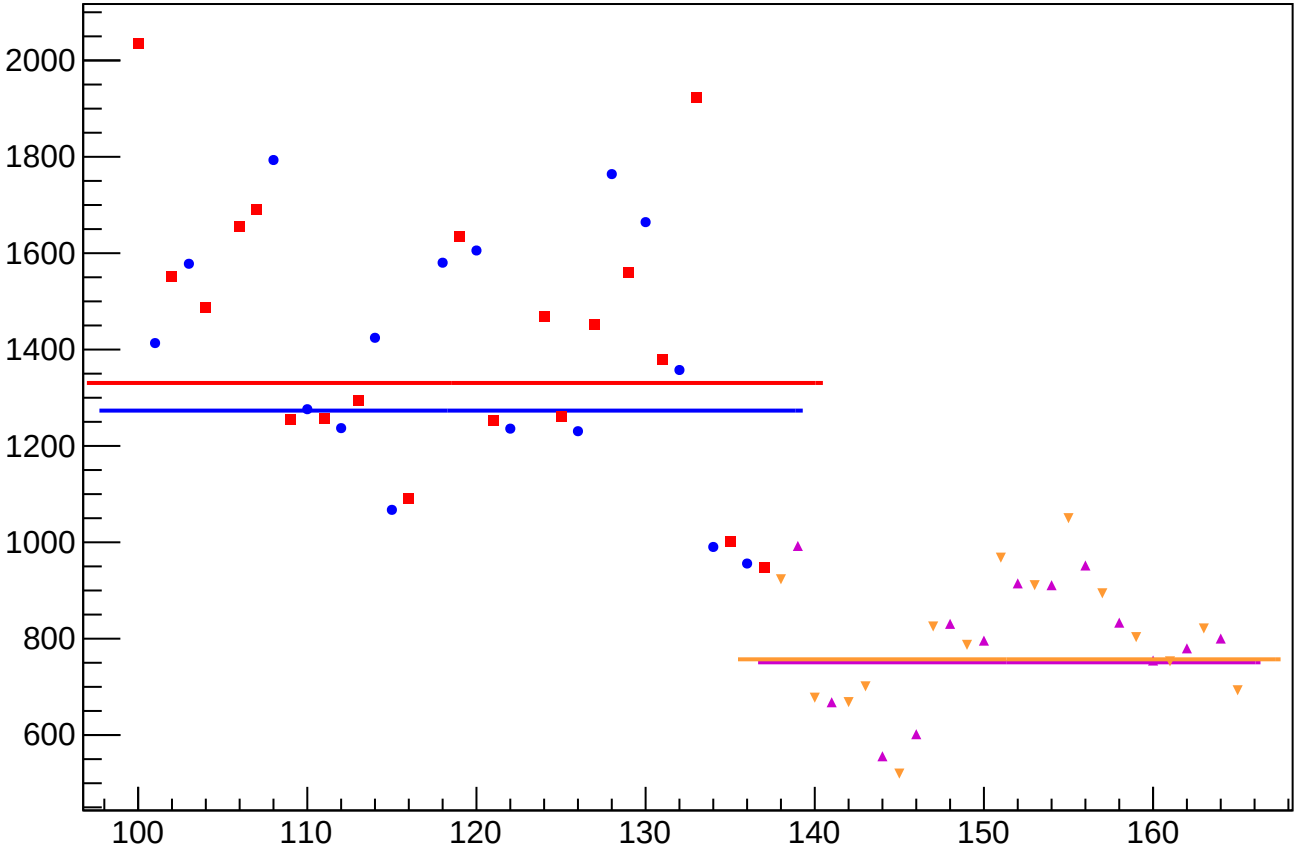
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 43.191+/-208.840 χ^2/NDF:30.7/28

Out: -880.187+/-204.720 χ^2/NDF:60.8/33

All: -427.697+/-146.194 χ^2/NDF: 101.5/62

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 757.158+/-0.159 χ^2/NDF:763015.3/14

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 750.938+/-0.164 χ^2/NDF:678365.2/12

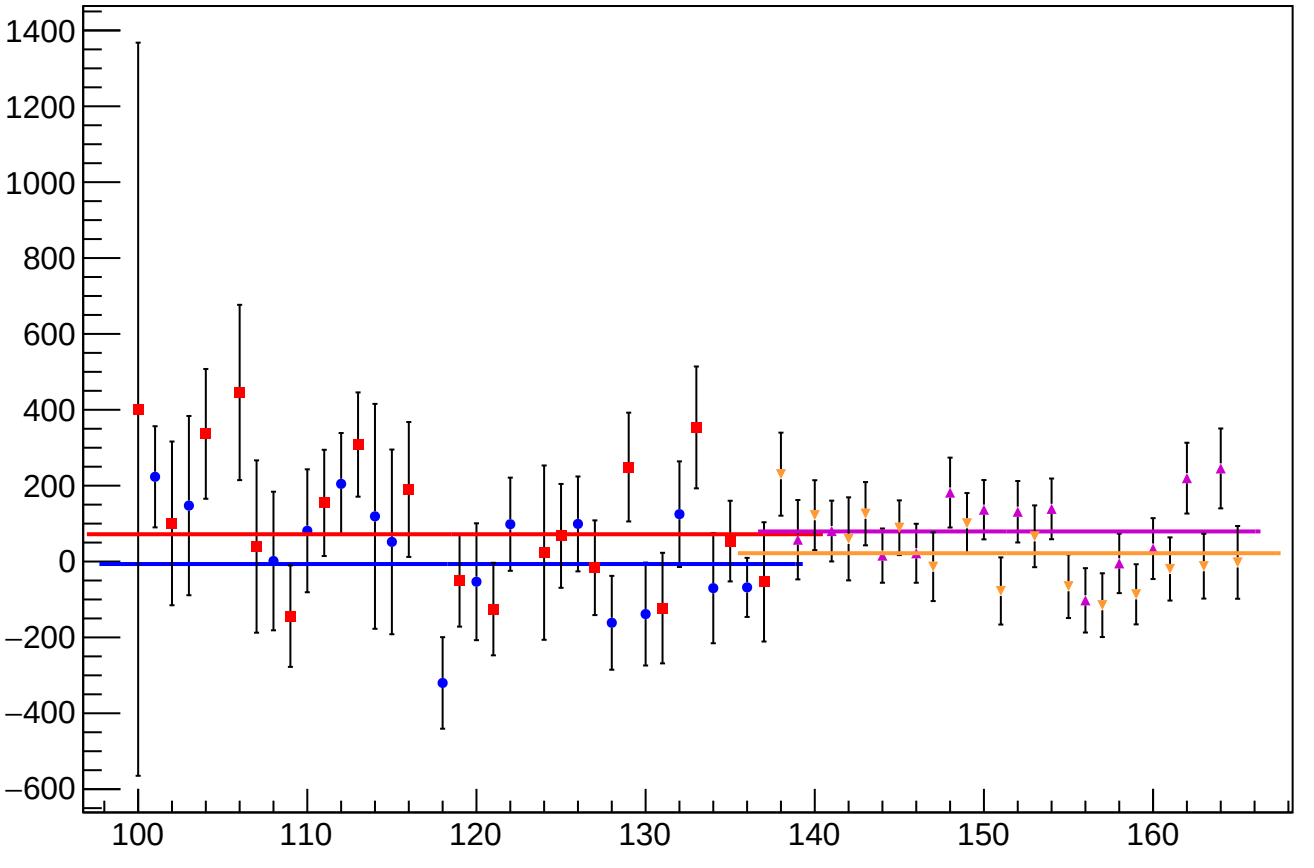
Left: 754.137+/-0.114 χ^2/NDF: 1442124.8/27

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 847.208+/-0.148 χ^2/NDF:3157023.2/28

Out: 854.723+/-0.145 χ^2/NDF:3449753.9/33

All: 851.040+/-0.103 χ^2/NDF: 6608098.0/62



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.974+/-22.300 χ^2/NDF:16.1/14

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 79.326+/-23.187 χ^2/NDF:14.9/12

Left: 49.532+/-16.073 χ^2/NDF: 34.2/27

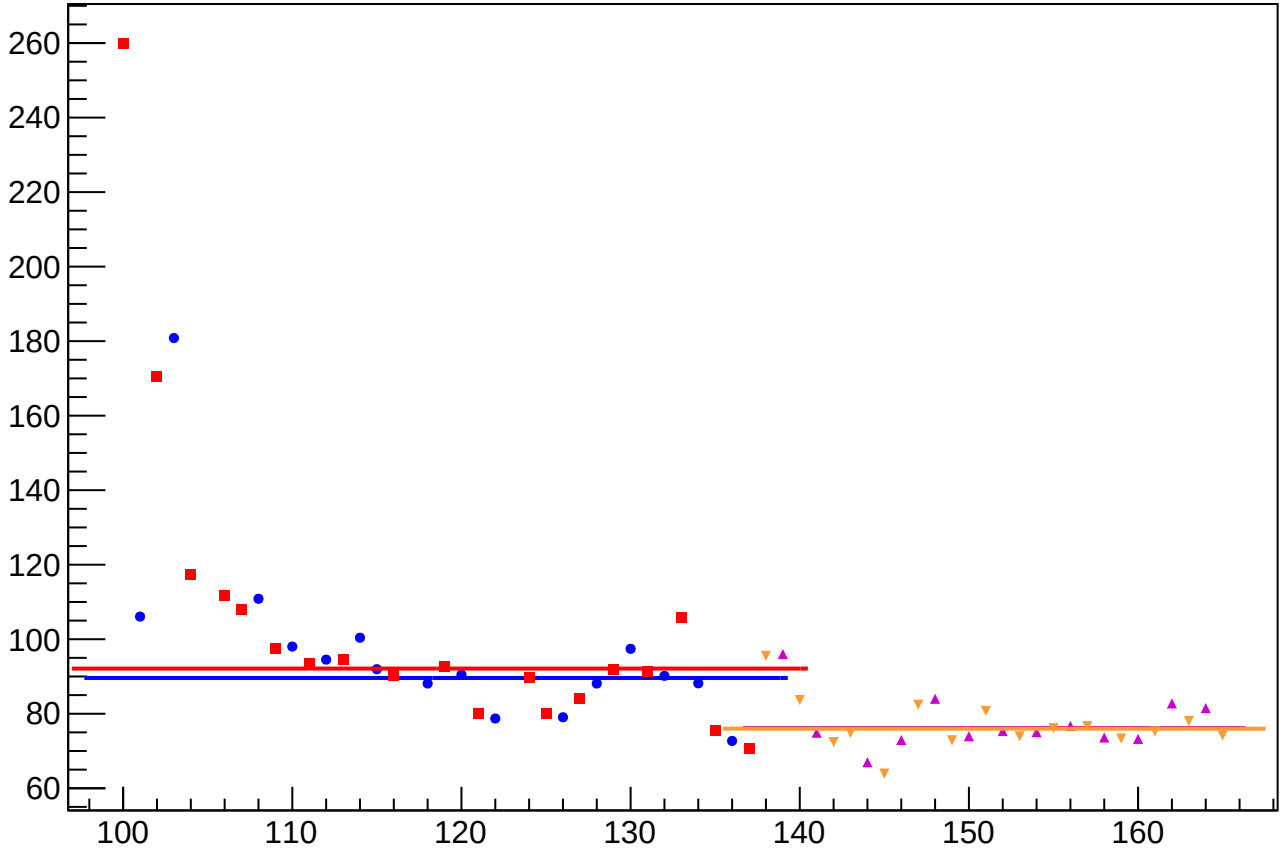
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 52.370+/-19.207 χ^2/NDF:38.2/28

Out: 36.481+/-18.789 χ^2/NDF:40.3/33

All: 44.251+/-13.431 χ^2/NDF: 78.8/62

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

Left: 76.087+/-0.011 χ^2/NDF: 306451.4/27

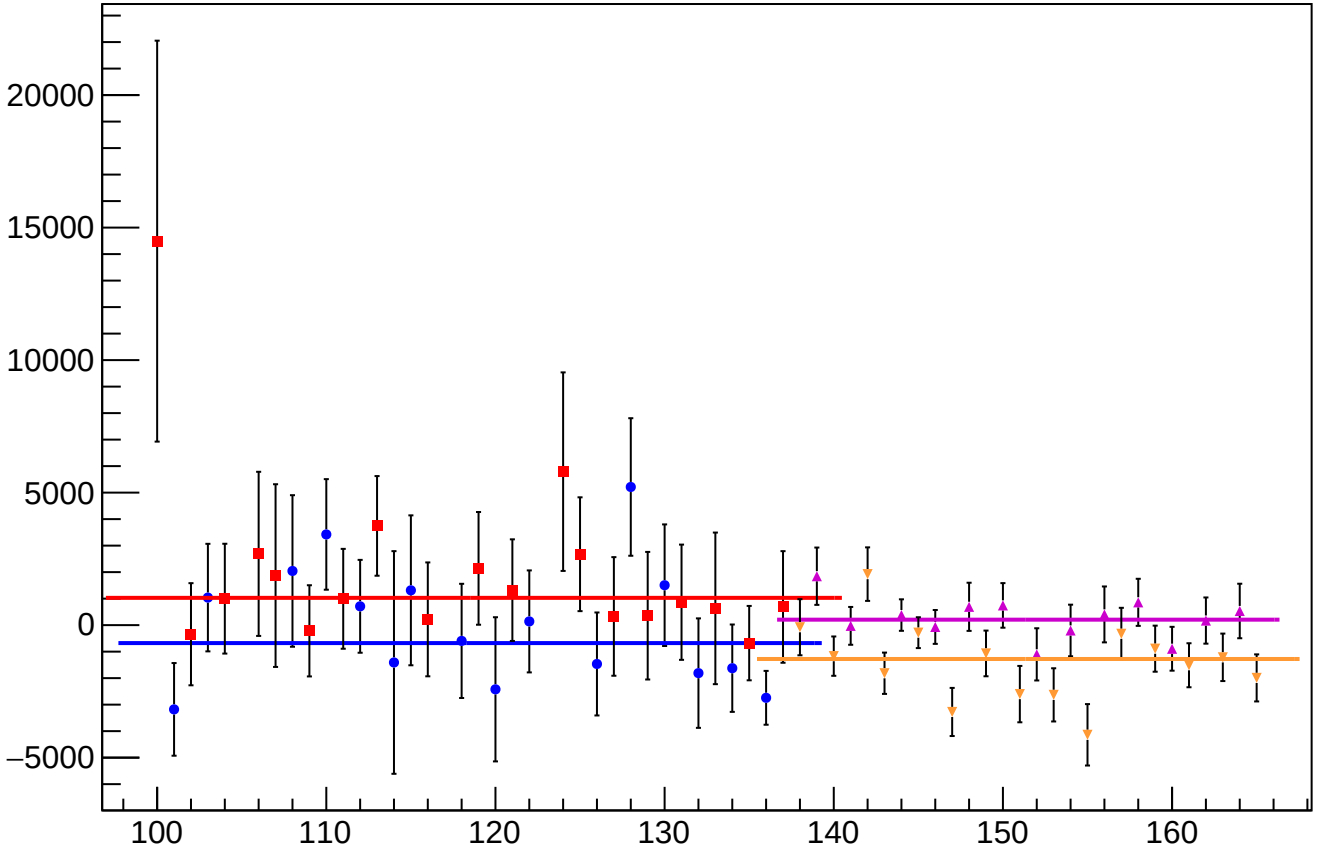
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.392+/-0.014 χ^2/NDF:854366.3/28

Out: 80.680+/-0.013 χ^2/NDF:1004561.5/33

All: 80.539+/-0.009 χ^2/NDF: 1859157.4/62

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1277.639+/-224.724 χ^2/NDF:31.0/14

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 205.988+/-231.231 χ^2/NDF:7.8/12

Left: -556.992+/-161.155 χ^2/NDF: 59.9/27

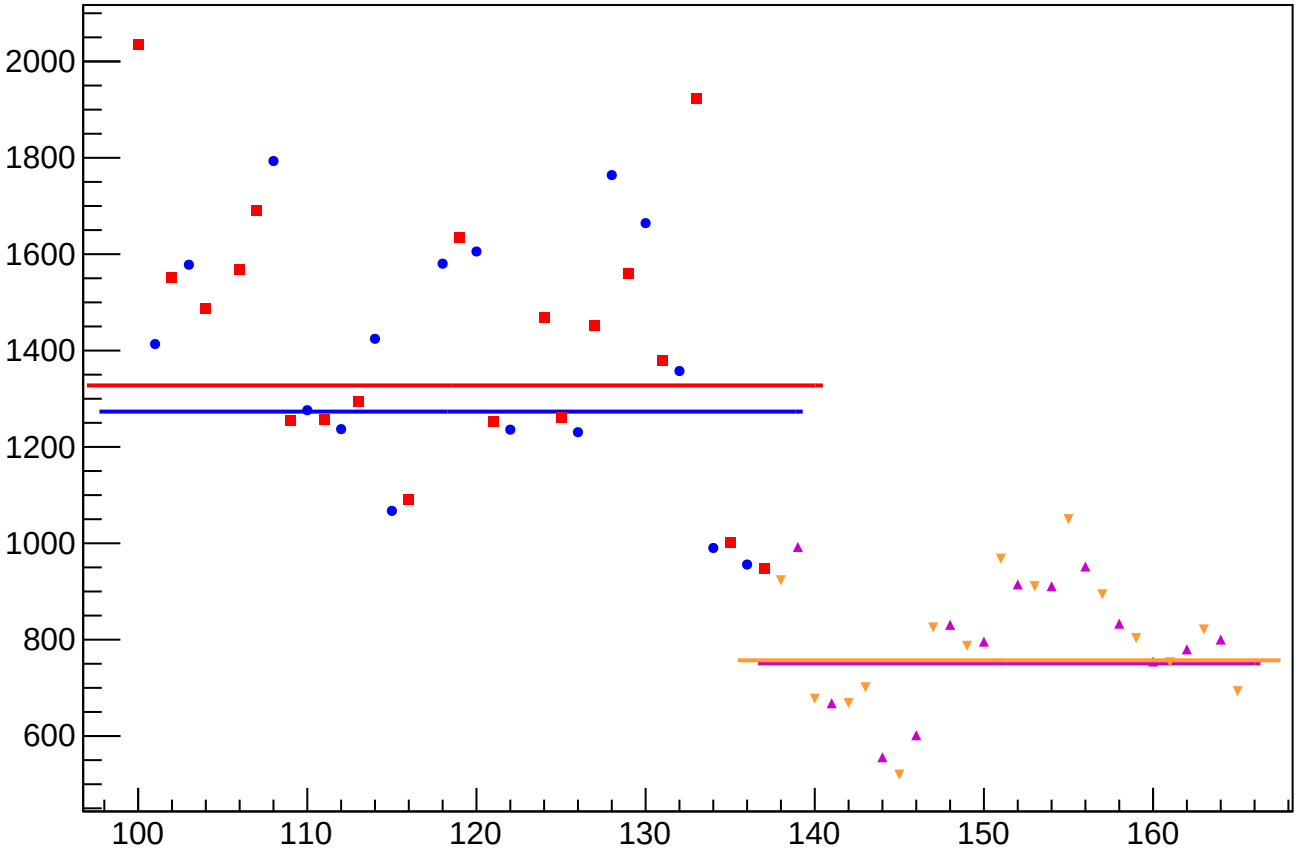
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 43.201+/-208.840 χ^2/NDF:30.7/28

Out: -886.053+/-204.766 χ^2/NDF:59.9/33

All: -430.578+/-146.211 χ^2/NDF: 100.7/62

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.158+/-0.159 χ^2/NDF:763018.2/14

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

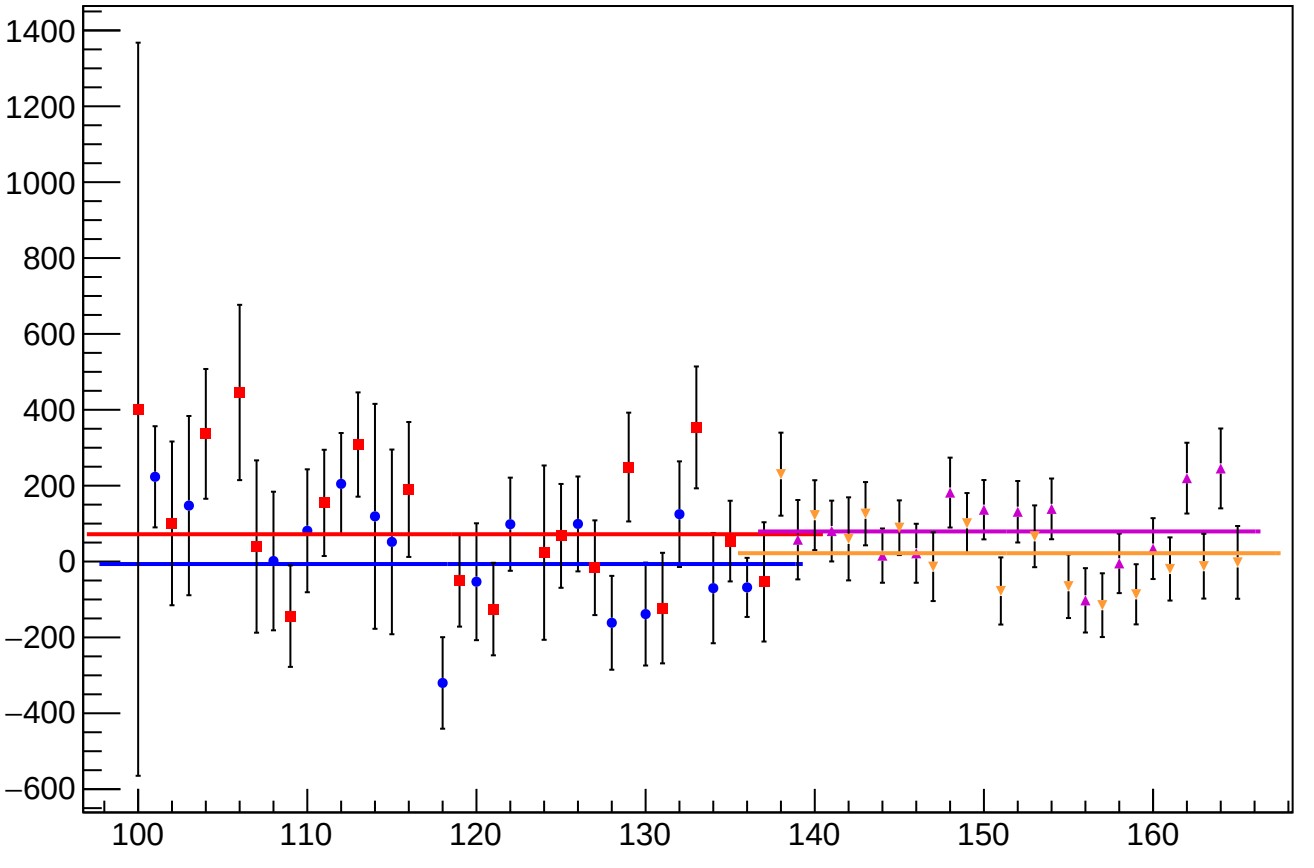
Left: 754.137+/-0.114 χ^2/NDF: 1442125.3/27

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 847.208+/-0.148 χ^2/NDF:3157059.3/28

Out: 853.992+/-0.145 χ^2/NDF:3409354.1/33

All: 850.667+/-0.103 χ^2/NDF: 6567489.6/62



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.974+/-22.300 χ^2/NDF:16.1/14

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 79.326+/-23.187 χ^2/NDF:14.9/12

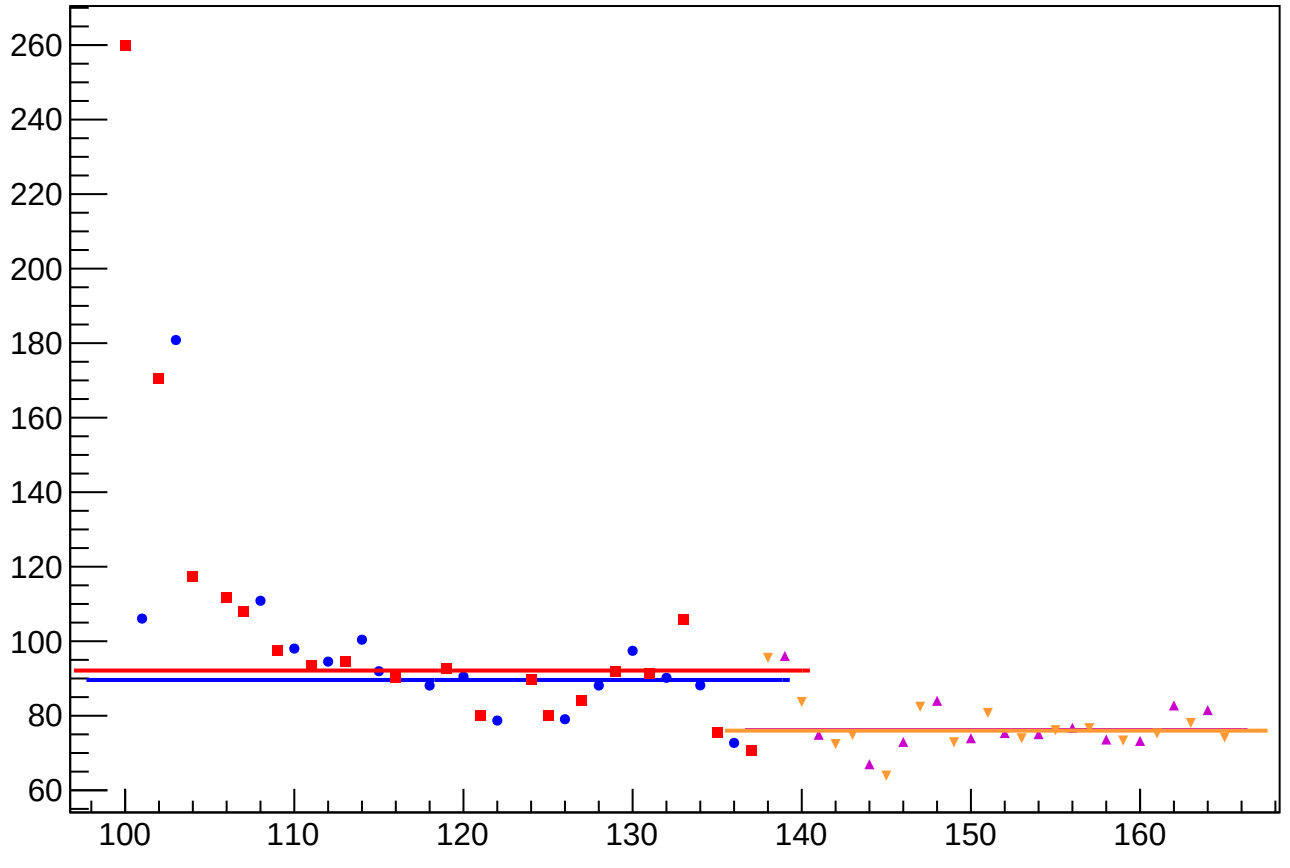
Left: 49.532+/-16.073 χ^2/NDF: 34.2/27

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 52.370+/-19.207 χ^2/NDF:38.2/28

Out: 36.481+/-18.789 χ^2/NDF:40.3/33

All: 44.251+/-13.431 χ^2/NDF: 78.8/62



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

Left: 76.087+/-0.011 χ^2/NDF: 306451.4/27

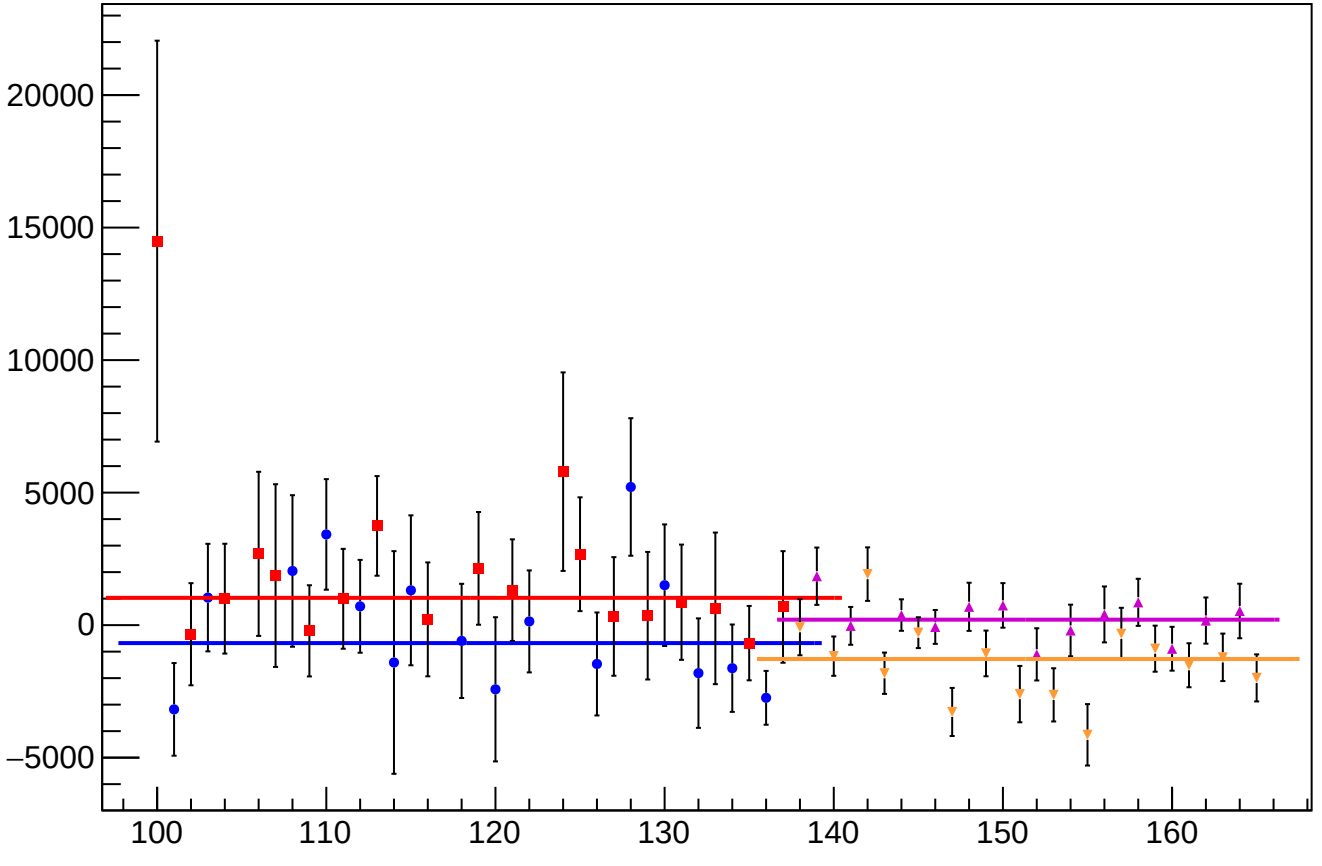
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.392+/-0.014 χ^2/NDF:854366.3/28

Out: 80.680+/-0.013 χ^2/NDF:1004561.5/33

All: 80.539+/-0.009 χ^2/NDF: 1859157.4/62

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: -1277.639+/-224.724 χ^2/NDF:31.0/14

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 205.988+/-231.231 χ^2/NDF:7.8/12

Left: -556.992+/-161.155 χ^2/NDF: 59.9/27

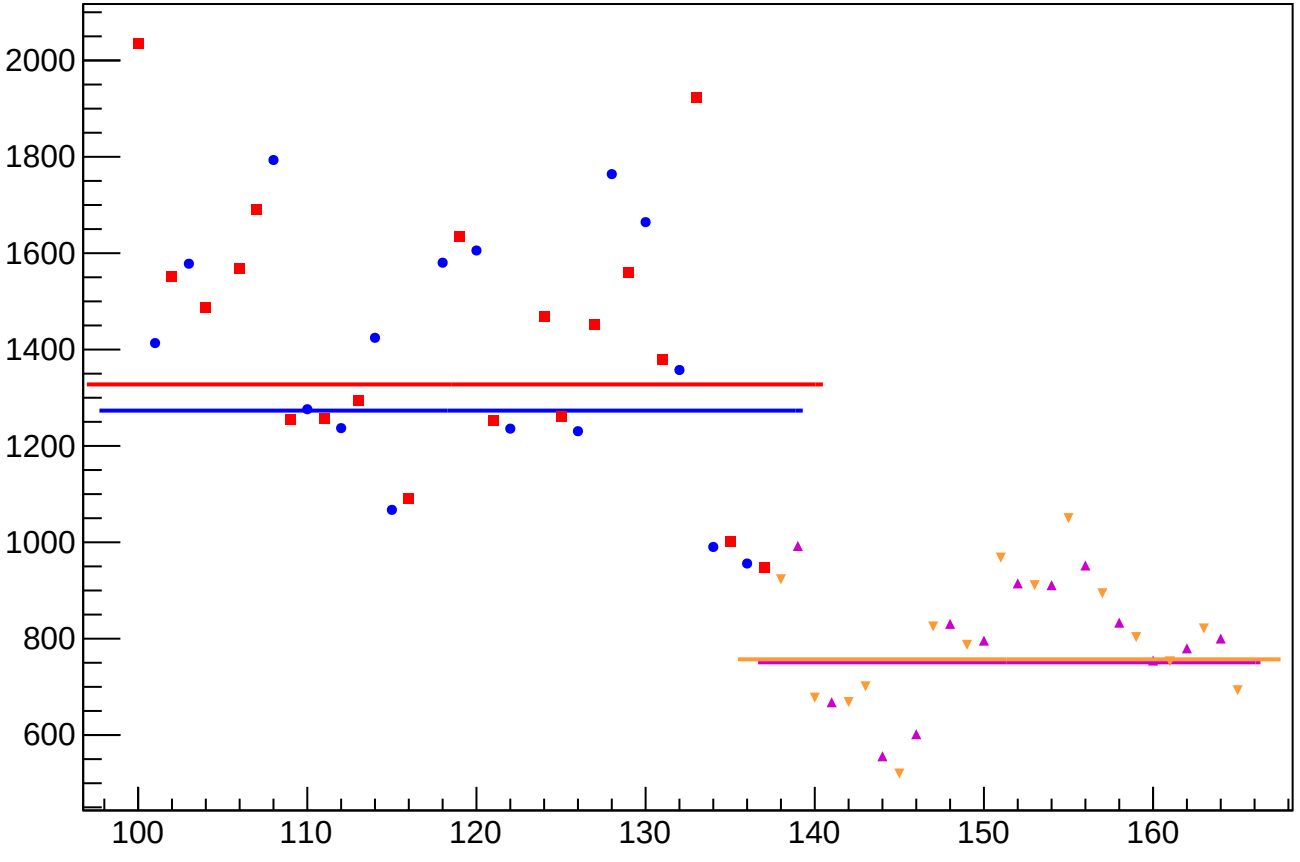
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 43.201+/-208.840 χ^2/NDF:30.7/28

Out: -886.053+/-204.766 χ^2/NDF:59.9/33

All: -430.578+/-146.211 χ^2/NDF: 100.7/62

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: 757.158+/-0.159 χ^2/NDF:763018.2/14

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

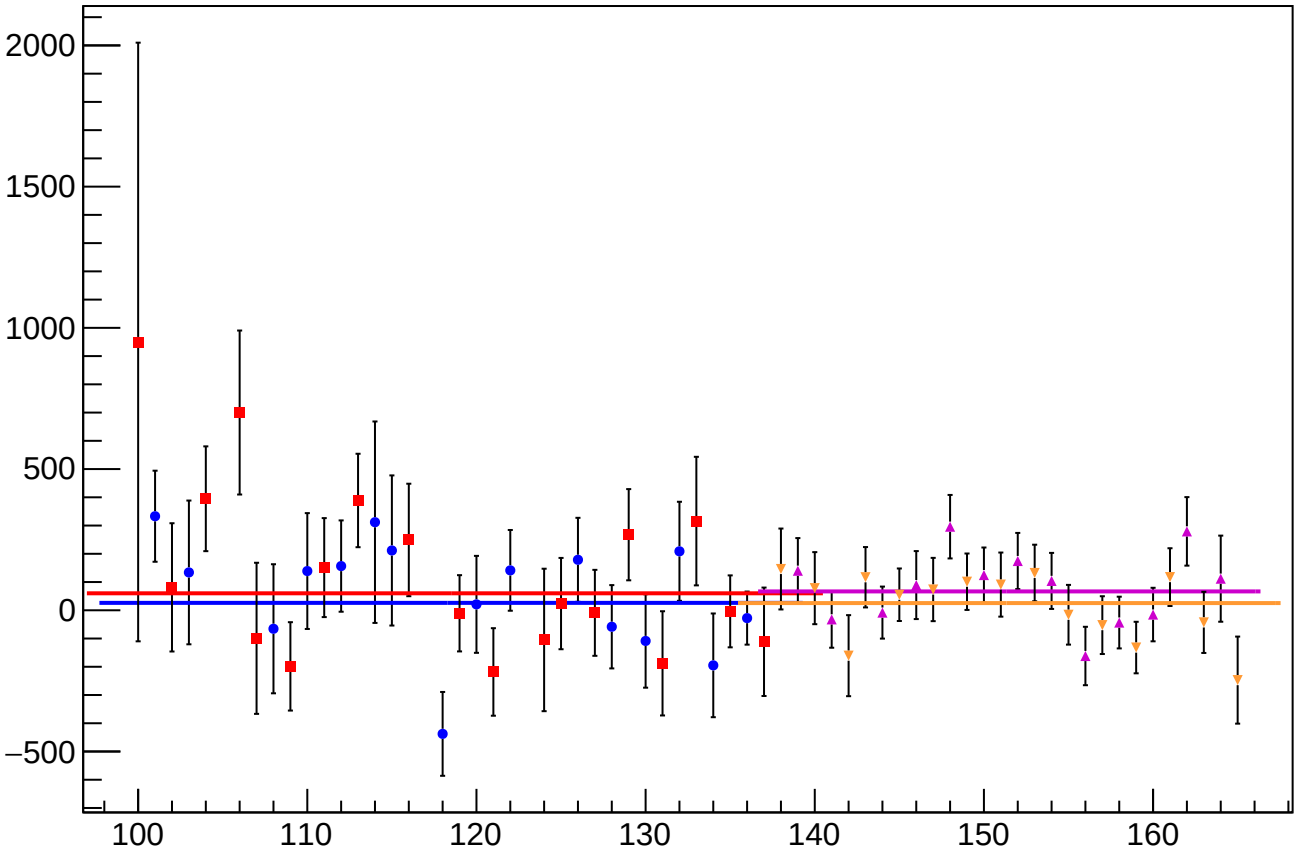
Left: 754.137+/-0.114 χ^2/NDF: 1442125.3/27

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 847.208+/-0.148 χ^2/NDF:3157059.3/28

Out: 853.992+/-0.145 χ^2/NDF:3409354.1/33

All: 850.667+/-0.103 χ^2/NDF: 6567489.6/62



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 25.503+/-28.312 χ^2/NDF:13.7/14

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 66.801+/-29.073 χ^2/NDF:18.1/12

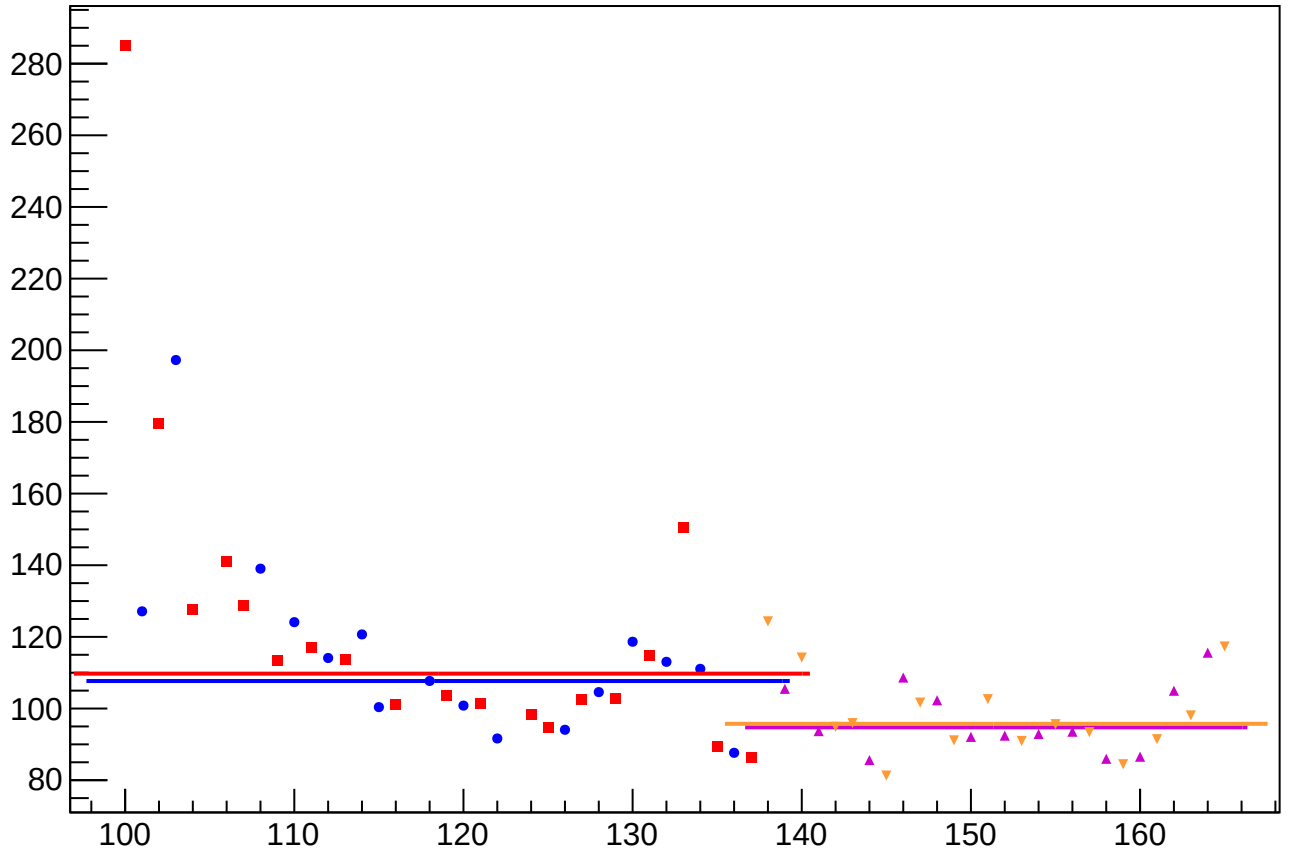
Left: 45.605+/-20.283 χ^2/NDF: 32.9/27

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 53.330+/-23.758 χ^2/NDF:40.2/28

Out: 36.487+/-23.393 χ^2/NDF:41.1/33

All: 44.778+/-16.669 χ^2/NDF: 81.6/62



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.744+/-0.020 χ^2/NDF:267163.9/14

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.746+/-0.021 χ^2/NDF:161316.0/12

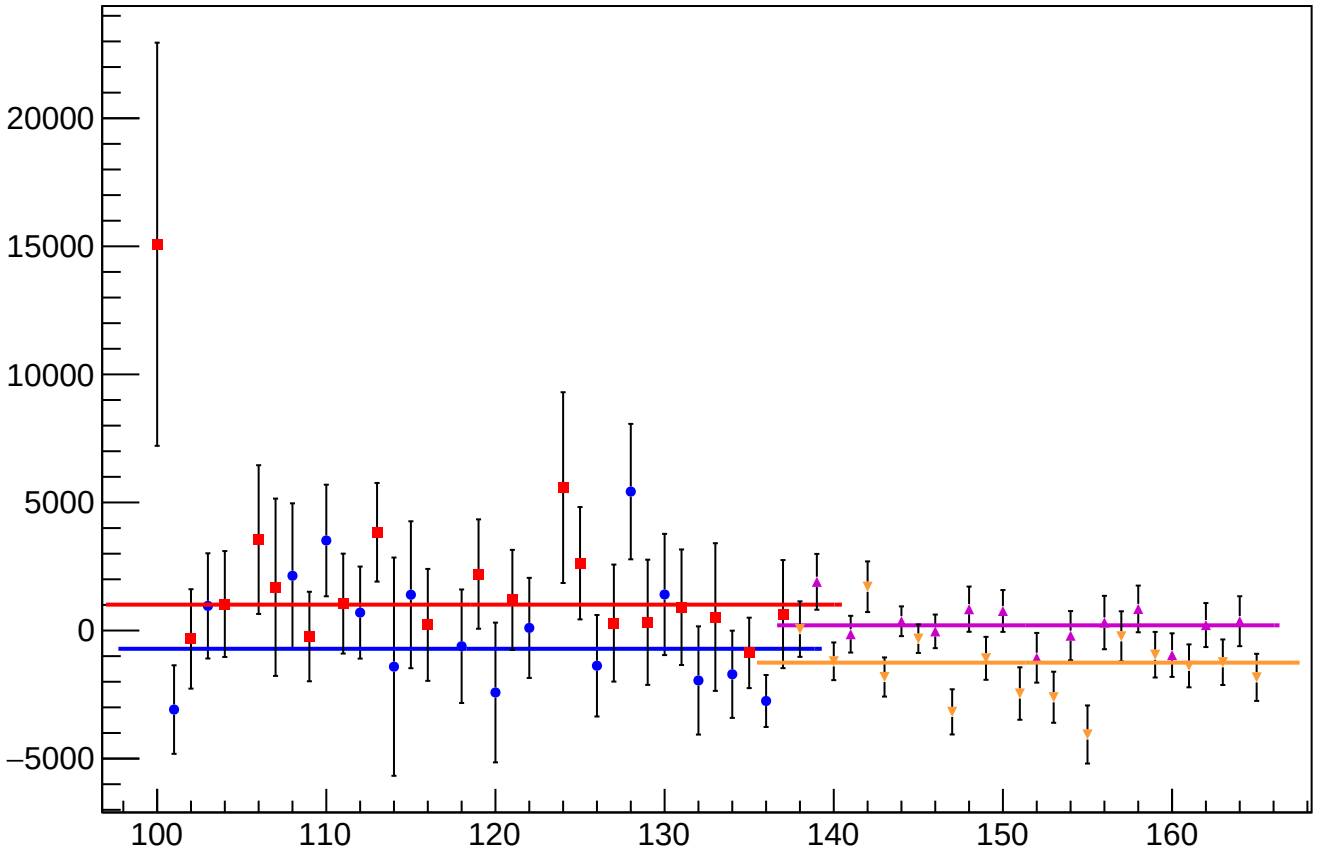
Left: 95.258+/-0.014 χ^2/NDF: 429689.7/27

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.043+/-0.017 χ^2/NDF:775936.6/28

Out: 100.185+/-0.017 χ^2/NDF:914020.4/33

All: 99.623+/-0.012 χ^2/NDF: 1692304.6/62



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1253.467+/-222.025 χ^2/NDF:29.6/14

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 202.974+/-229.929 χ^2/NDF:8.1/12

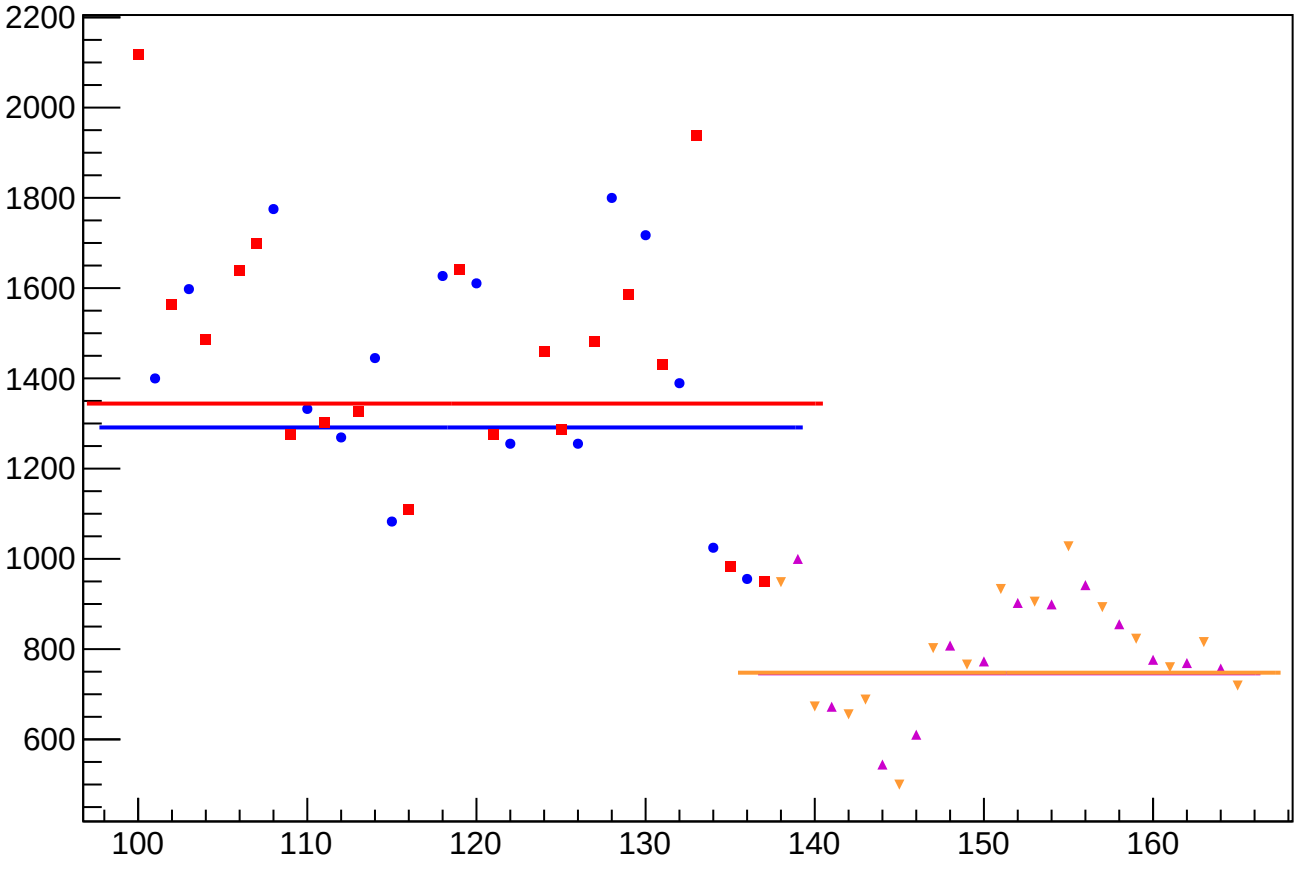
Left: -550.712+/-159.717 χ^2/NDF: 58.5/27

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 39.487+/-208.399 χ^2/NDF:31.1/28

Out: -882.280+/-203.010 χ^2/NDF:58.4/33

All: -433.470+/-145.418 χ^2/NDF: 99.5/62



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 747.783+/-0.157 χ^2/NDF:834018.5/14

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 746.360+/-0.163 χ^2/NDF:674434.7/12

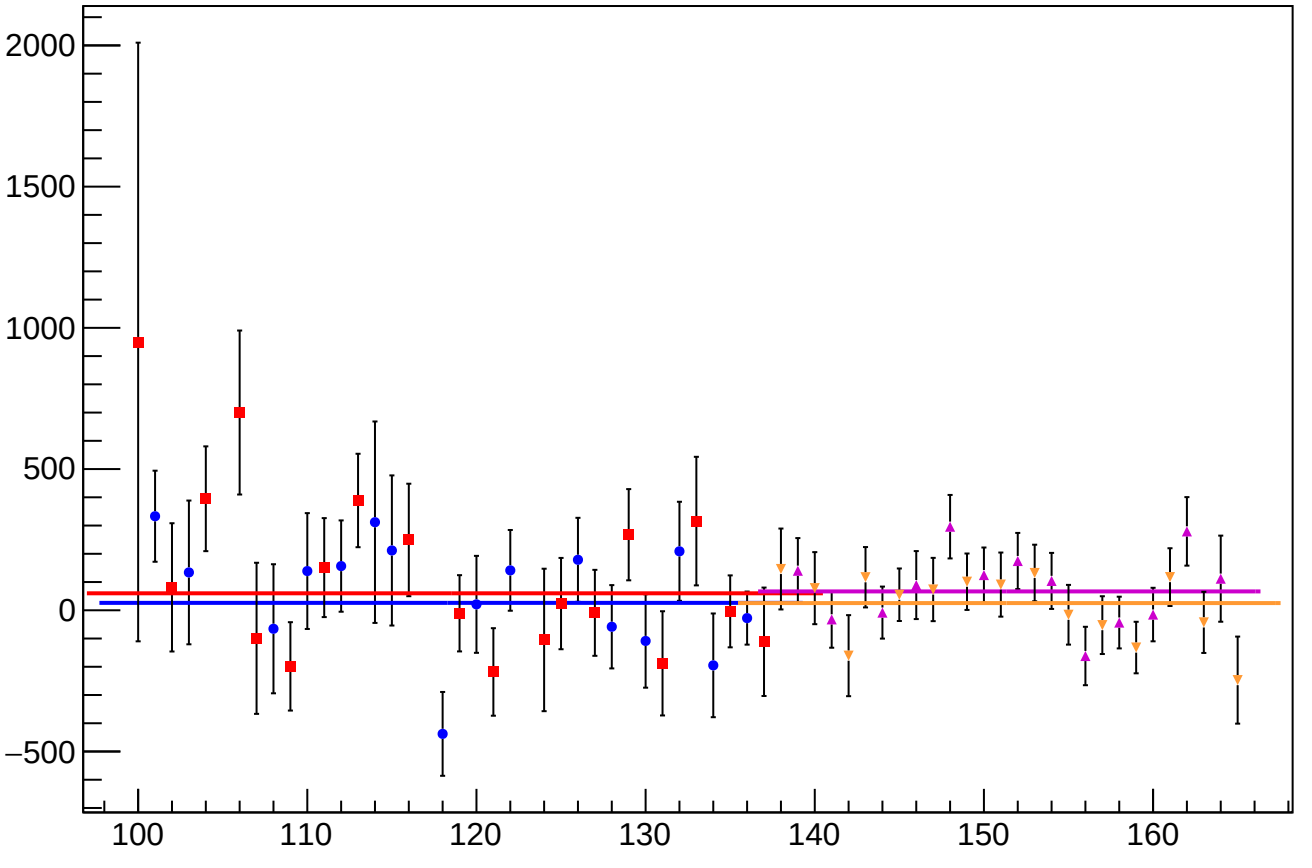
Left: 747.097+/-0.113 χ^2/NDF: 1508492.8/27

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 843.622+/-0.147 χ^2/NDF:3290122.5/28

Out: 845.552+/-0.144 χ^2/NDF:3690461.3/33

All: 844.612+/-0.103 χ^2/NDF: 6980671.9/62



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 25.505+/-28.312 χ^2/NDF:13.7/14

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 66.800+/-29.073 χ^2/NDF:18.1/12

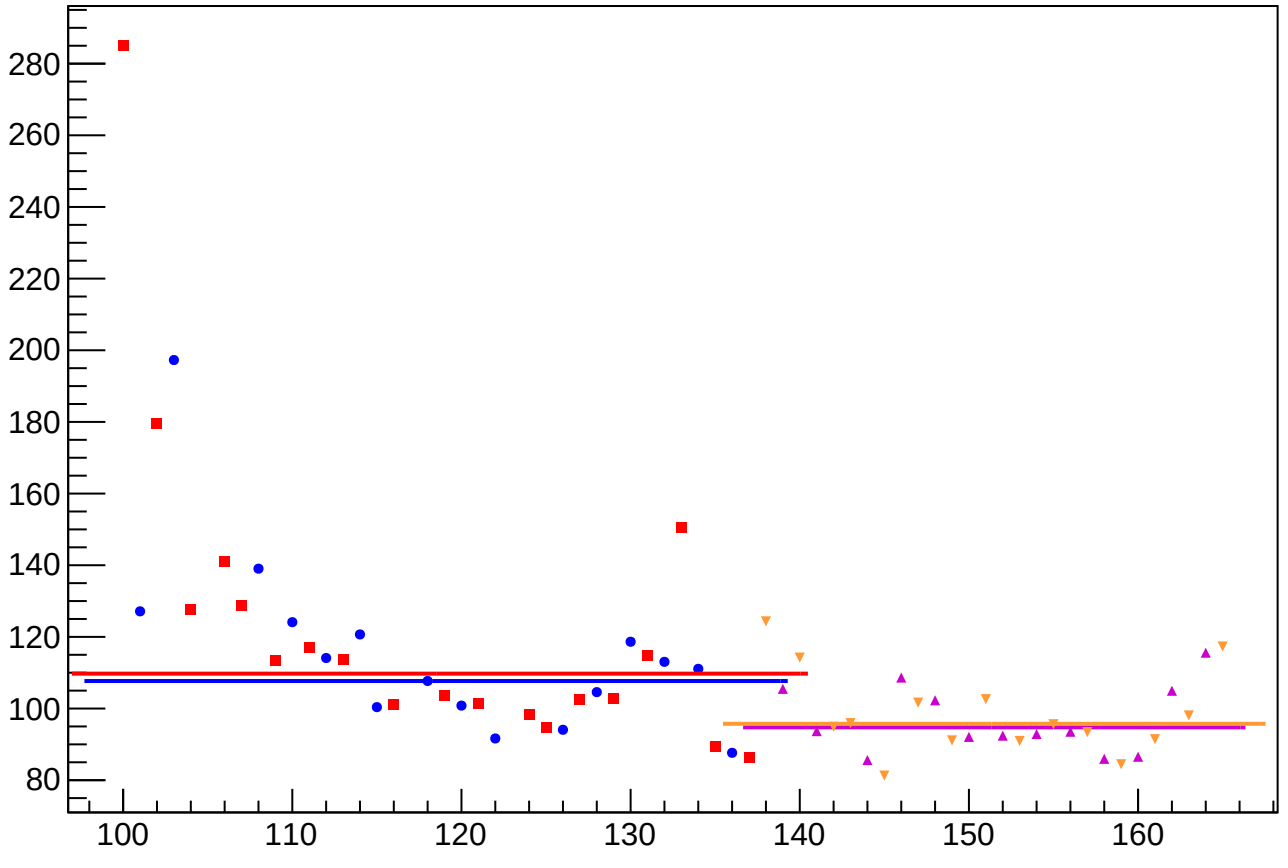
Left: 45.605+/-20.283 χ^2/NDF: 32.8/27

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 53.329+/-23.758 χ^2/NDF:40.2/28

Out: 36.488+/-23.393 χ^2/NDF:41.1/33

All: 44.778+/-16.669 χ^2/NDF: 81.6/62



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.745+/-0.020 χ^2/NDF:267155.7/14

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.746+/-0.021 χ^2/NDF:161320.3/12

Left: 95.259+/-0.014 χ^2/NDF: 429686.0/27

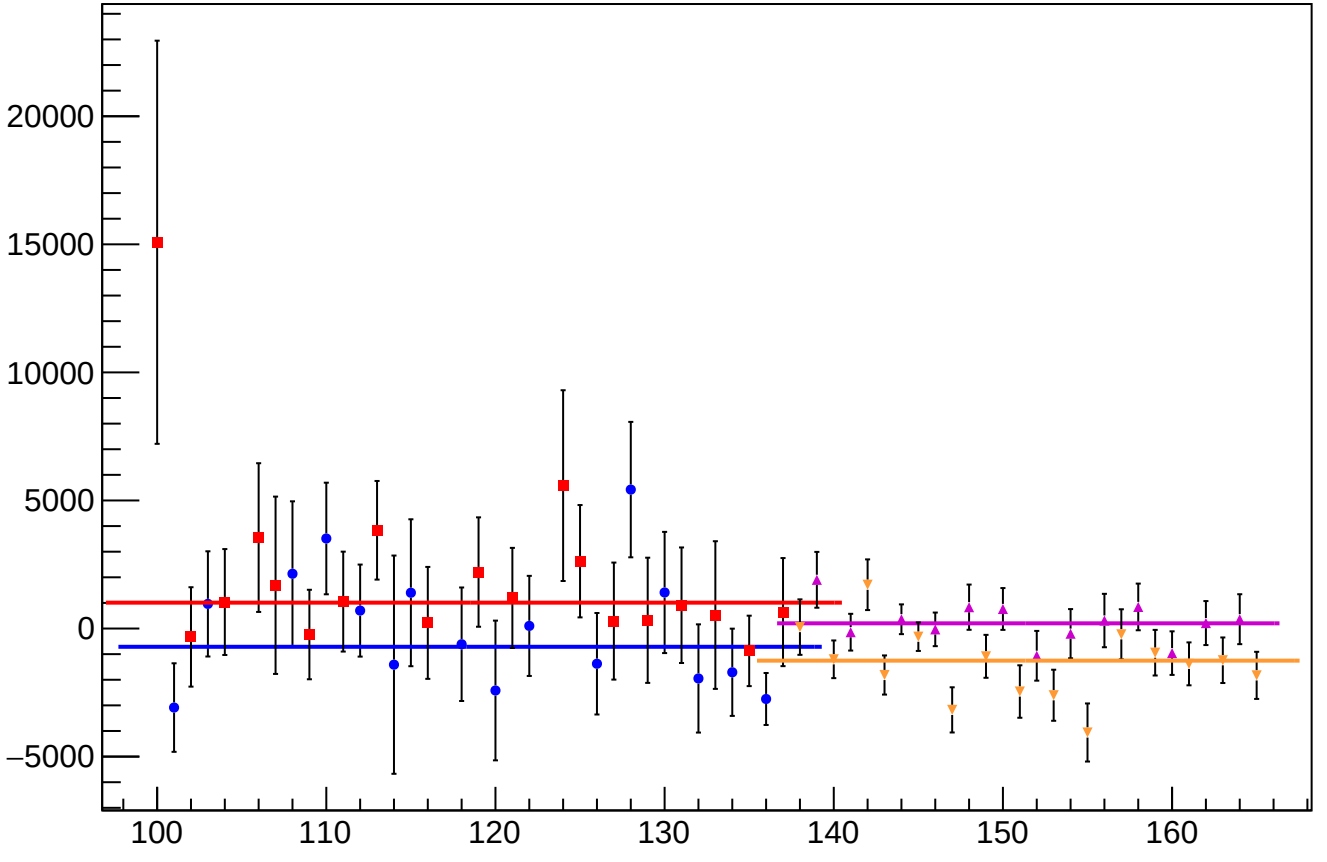
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.043+/-0.017 χ^2/NDF:775907.6/28

Out: 100.185+/-0.017 χ^2/NDF:913988.5/33

All: 99.623+/-0.012 χ^2/NDF: 1692244.0/62

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: -1253.465+/-222.024 χ^2/NDF:29.6/14

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 202.972+/-229.929 χ^2/NDF:8.1/12

Left: -550.712+/-159.716 χ^2/NDF: 58.5/27

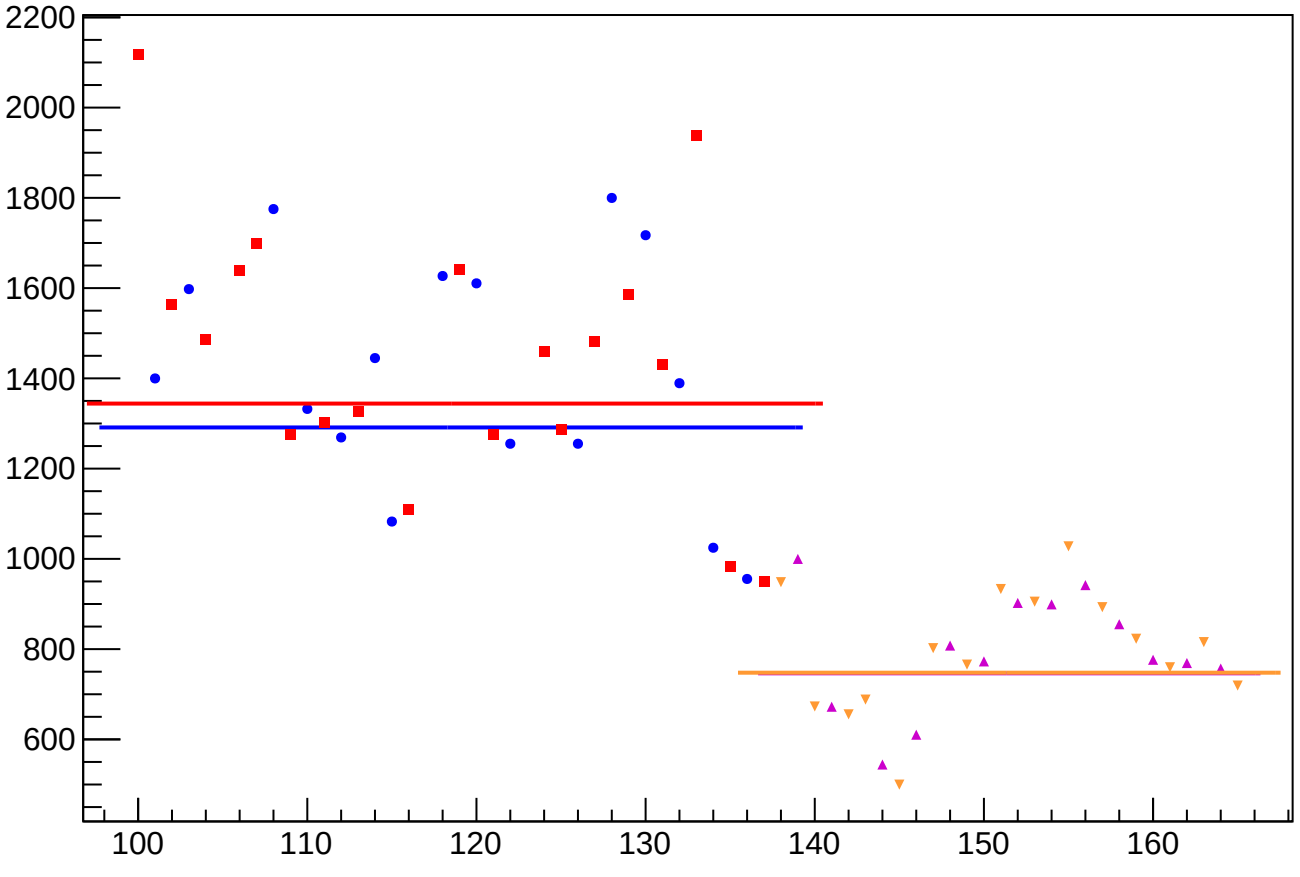
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 39.486+/-208.399 χ^2/NDF:31.1/28

Out: -882.278+/-203.010 χ^2/NDF:58.4/33

All: -433.469+/-145.417 χ^2/NDF: 99.5/62

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: 747.782+/-0.157 χ^2/NDF:834026.5/14

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 746.359+/-0.163 χ^2/NDF:674434.7/12

Left: 747.095+/-0.113 χ^2/NDF: 1508500.8/27

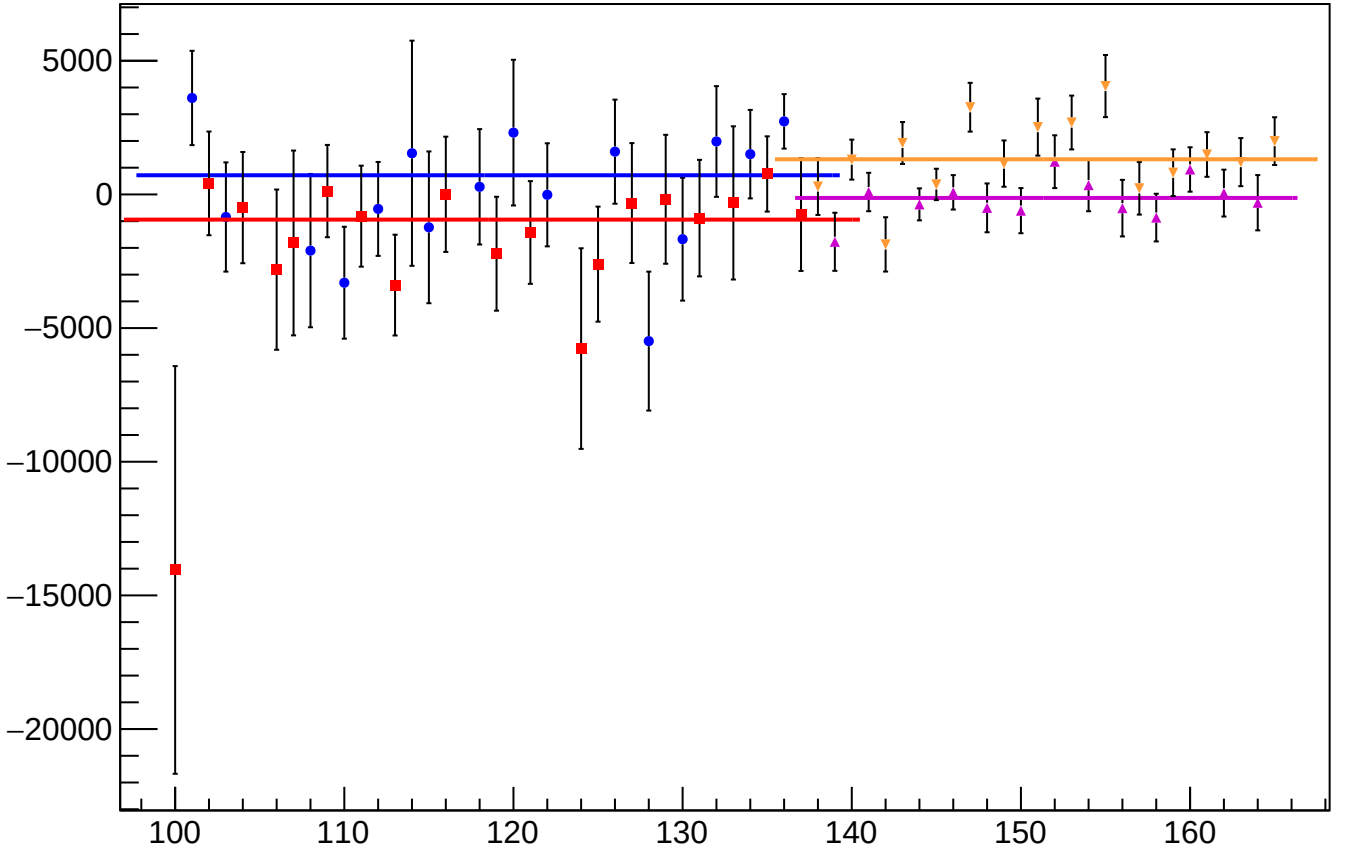
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 843.621+/-0.147 χ^2/NDF:3290115.8/28

Out: 845.551+/-0.144 χ^2/NDF:3690465.9/33

All: 844.611+/-0.103 χ^2/NDF: 6980669.8/62

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1315.329+/-225.964 χ^2/NDF:29.4/14

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -131.303+/-232.531 χ^2/NDF:7.8/12

Left: 612.728+/-162.053 χ^2/NDF: 57.1/27

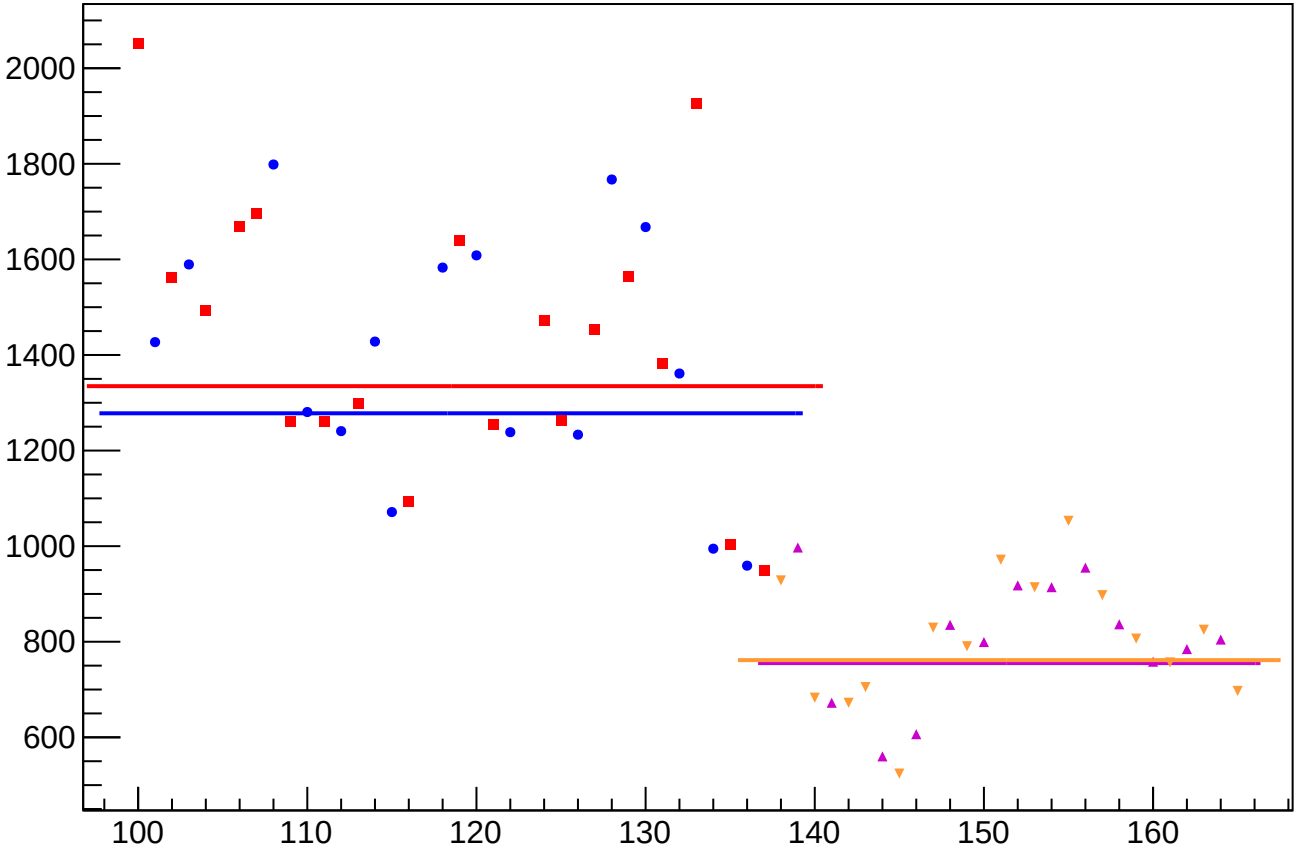
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 25.654+/-209.937 χ^2/NDF:31.2/28

Out: 929.944+/-205.776 χ^2/NDF:57.0/33

All: 486.849+/-146.955 χ^2/NDF: 97.7/62

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 761.535+/-0.160 χ^2/NDF:751286.0/14

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 755.364+/-0.164 χ^2/NDF:667579.9/12

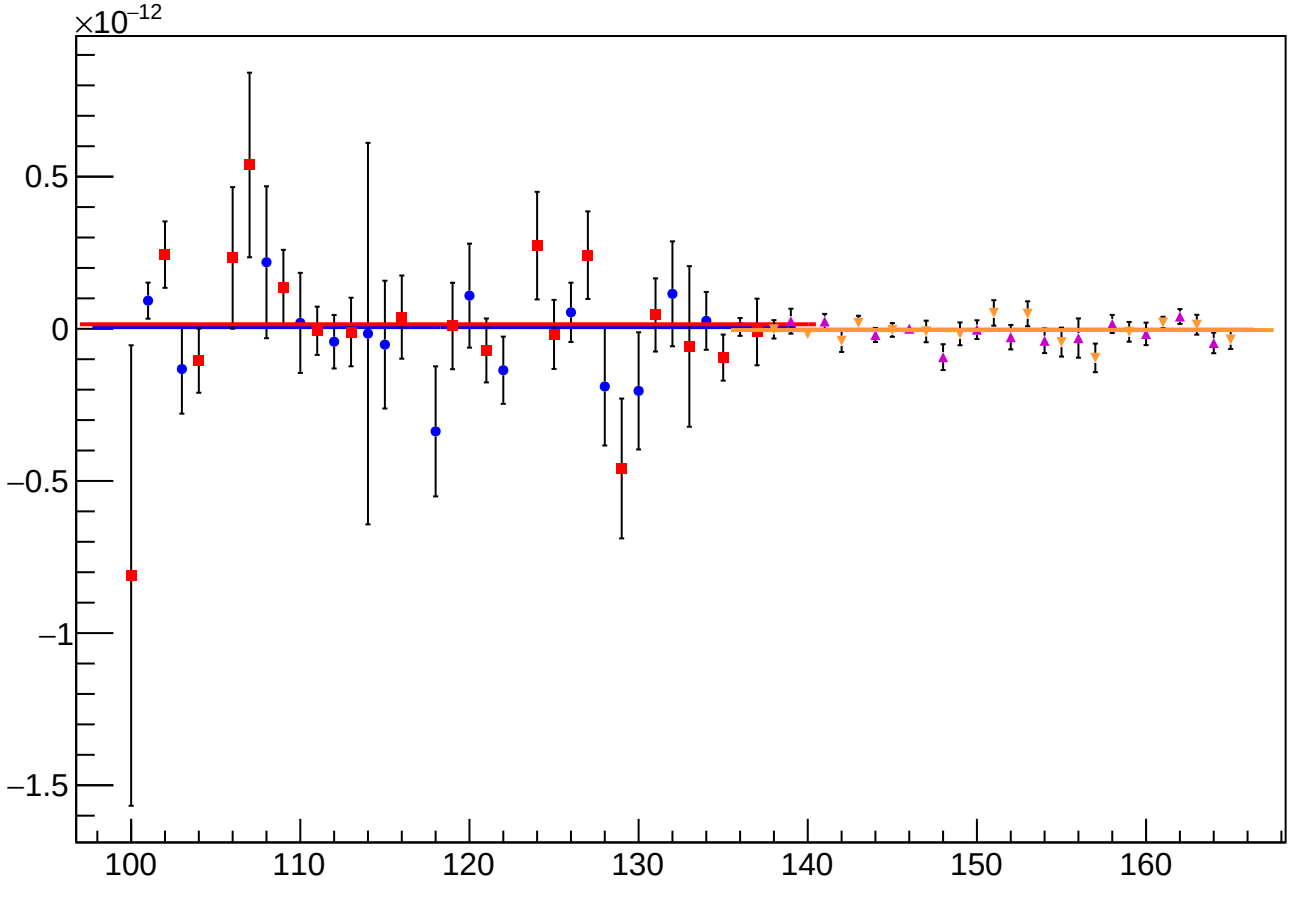
Left: 758.538+/-0.115 χ^2/NDF: 1419590.3/27

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 851.991+/-0.148 χ^2/NDF:3133107.4/28

Out: 859.389+/-0.146 χ^2/NDF:3420353.3/33

All: 855.764+/-0.104 χ^2/NDF: 6554727.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/12

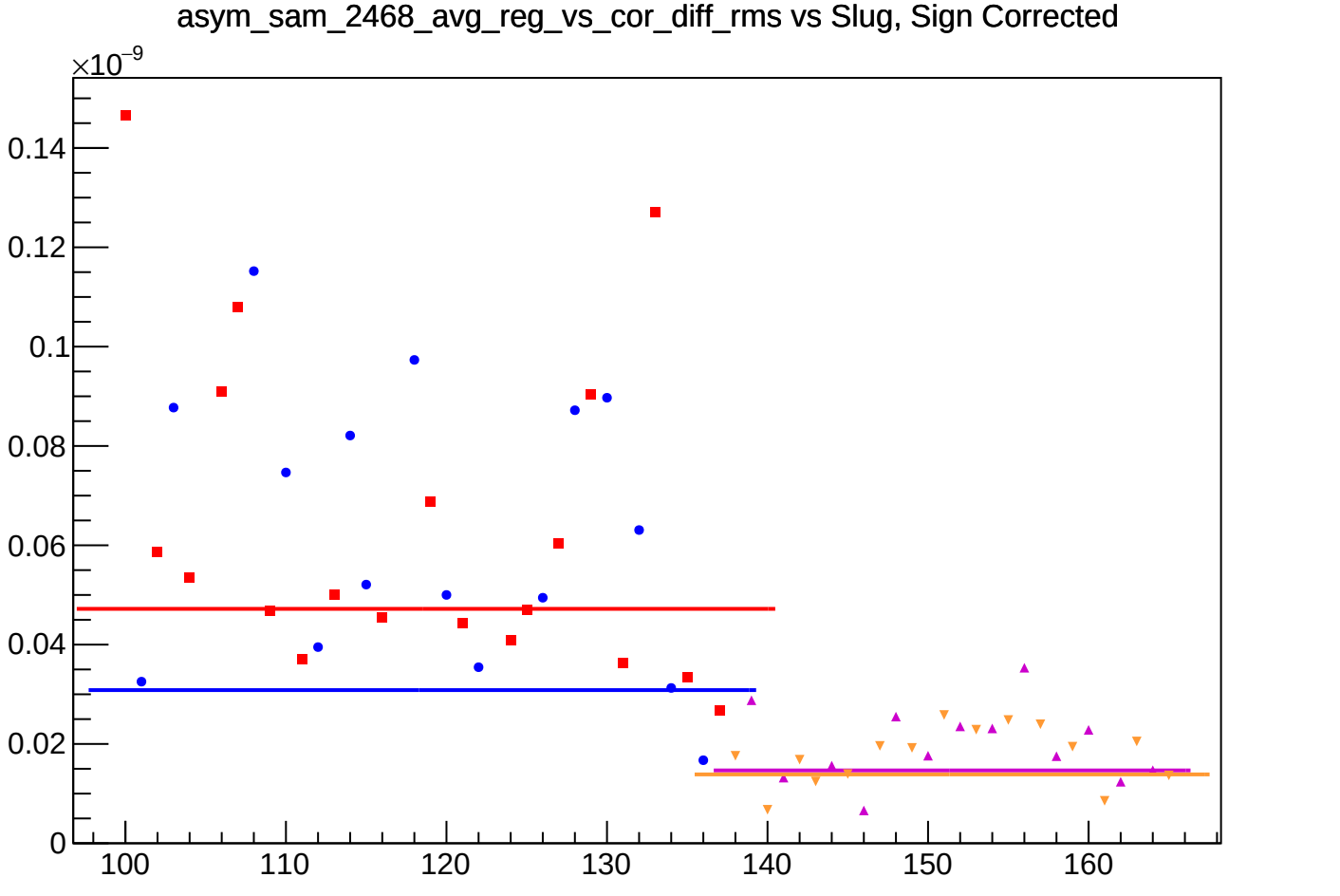
Left: -0.000+/-0.000 χ^2/NDF: 27.3/27

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.3/28

Out: -0.000+/-0.000 χ^2/NDF:37.9/33

All: -0.000+/-0.000 χ^2/NDF: 63.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1337005.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1535291.4/12

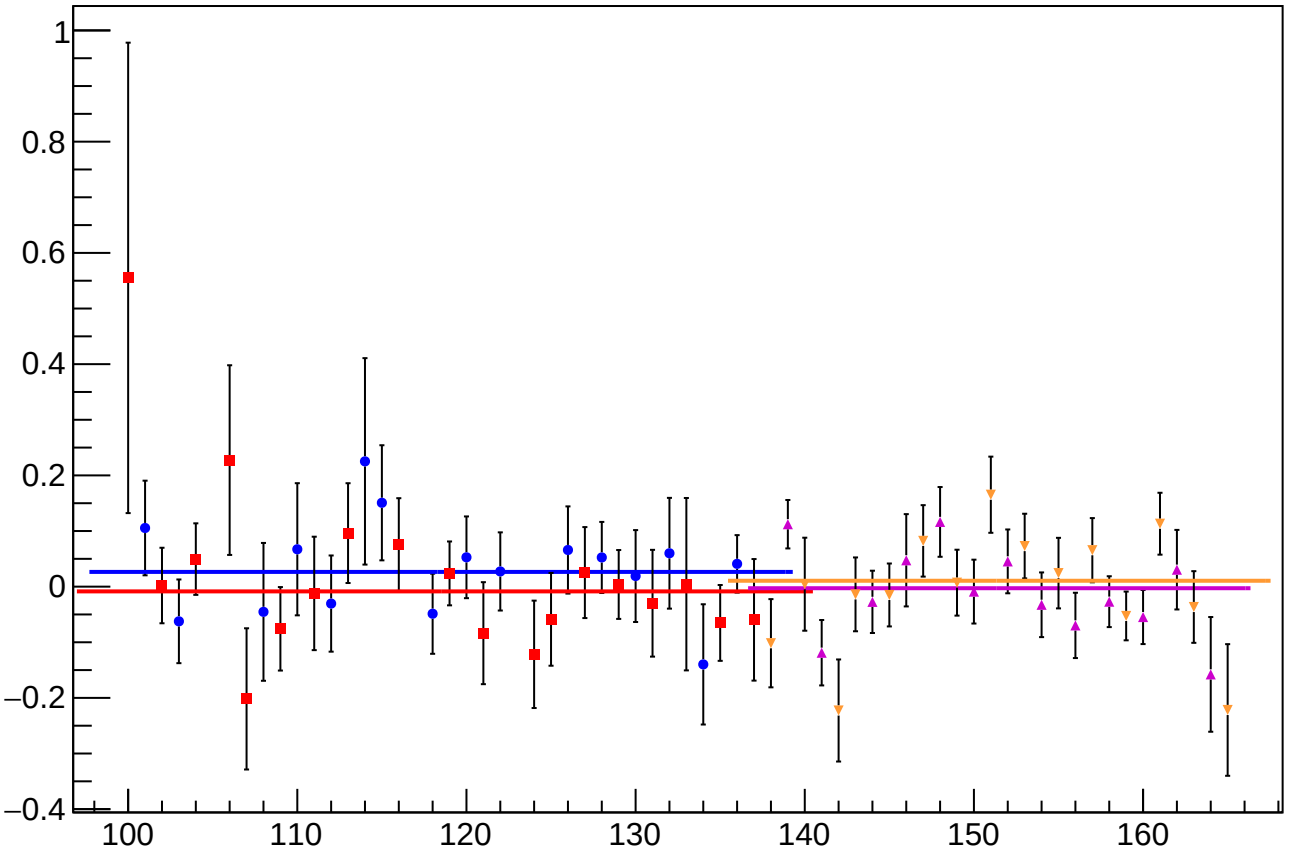
Left: 0.000+/-0.000 χ^2/NDF: 2883657.0/27

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4441485.5/28

Out: 0.000+/-0.000 χ^2/NDF:4609265.4/33

All: 0.000+/-0.000 χ^2/NDF: 9059857.2/62



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

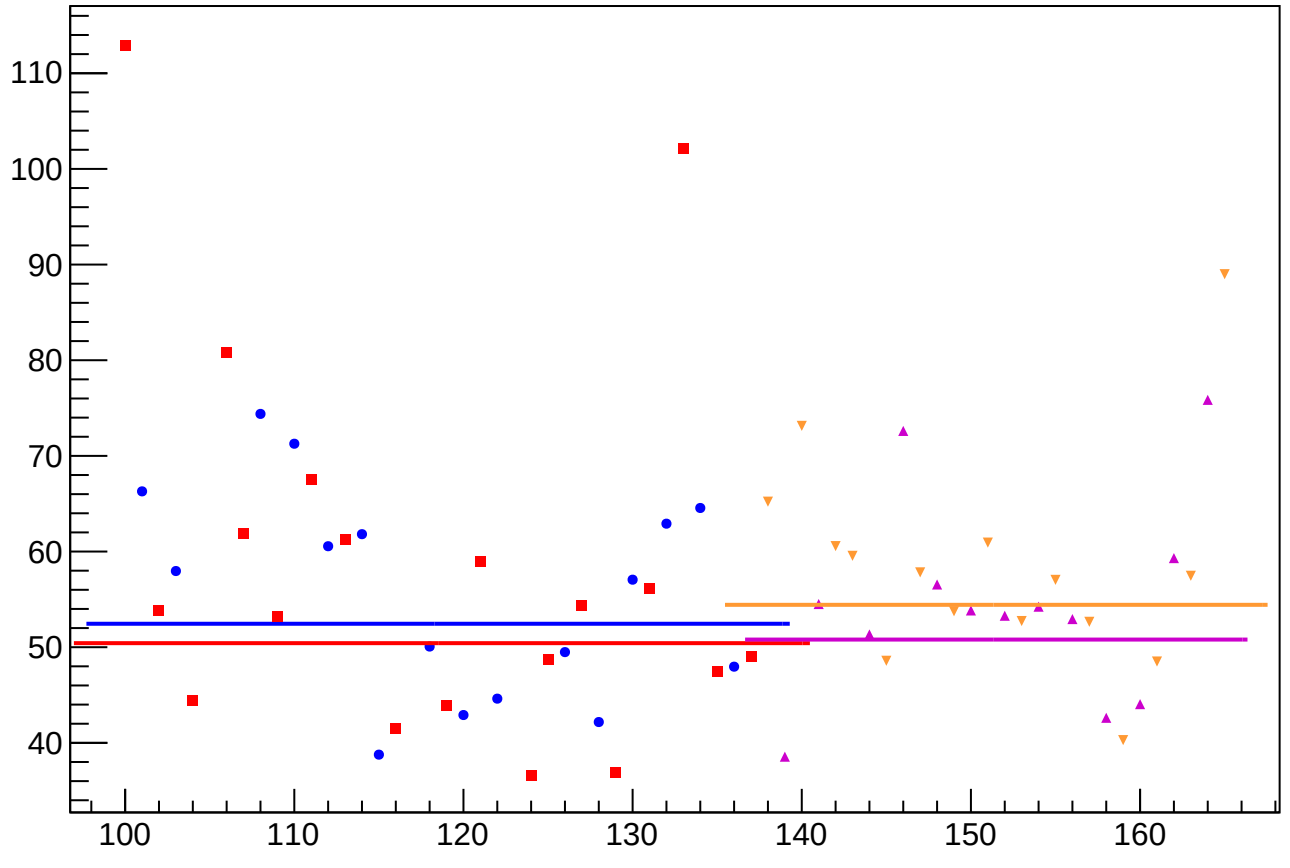
Left: 0.004+/-0.011 χ^2/NDF: 48.7/27

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.005+/-0.009 χ^2/NDF: 74.2/62



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.430+/-0.012 χ^2/NDF:616517.9/14

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

Left: 52.563+/-0.008 χ^2/NDF: 1256150.0/27

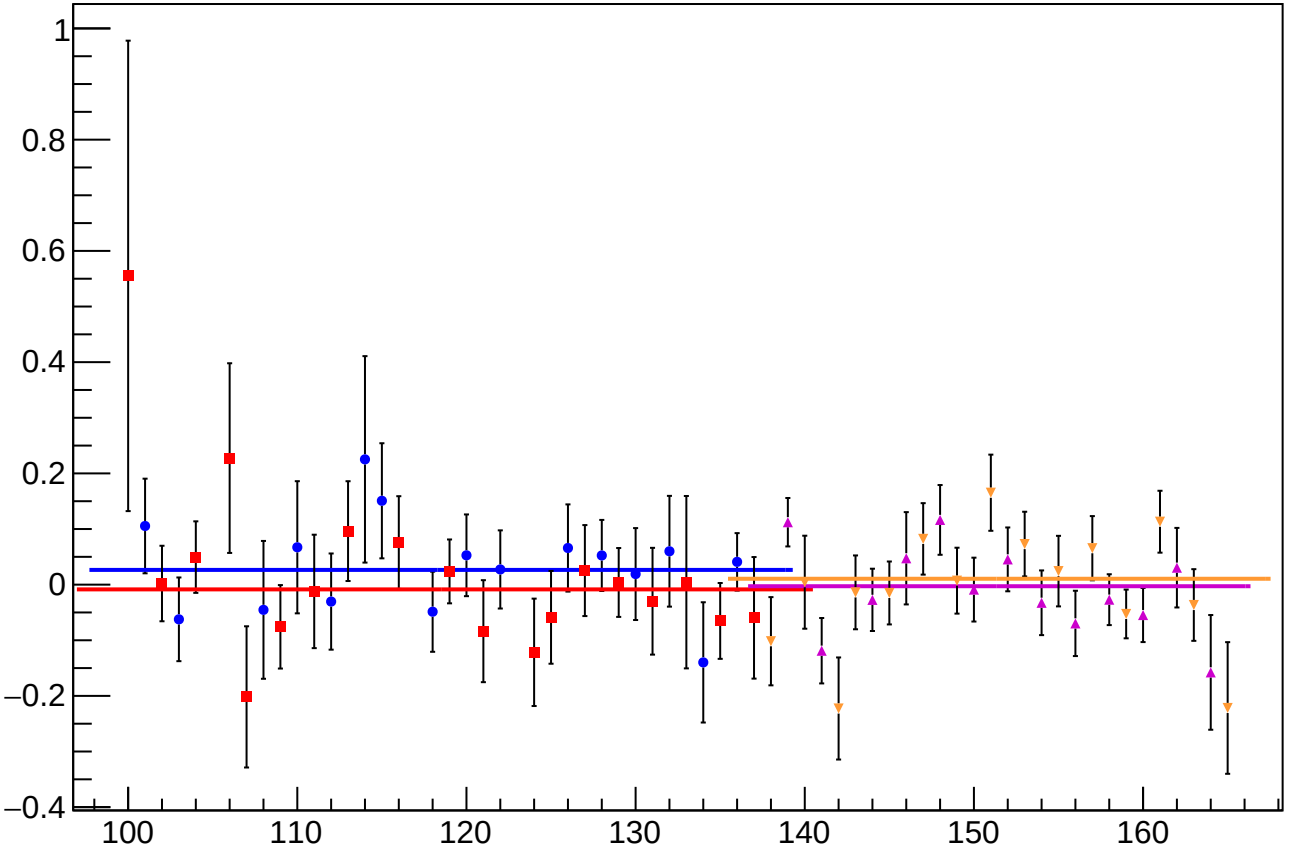
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.426+/-0.009 χ^2/NDF:1015541.5/28

Out: 52.764+/-0.009 χ^2/NDF:1342723.9/33

All: 52.096+/-0.006 χ^2/NDF: 2369593.1/62

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

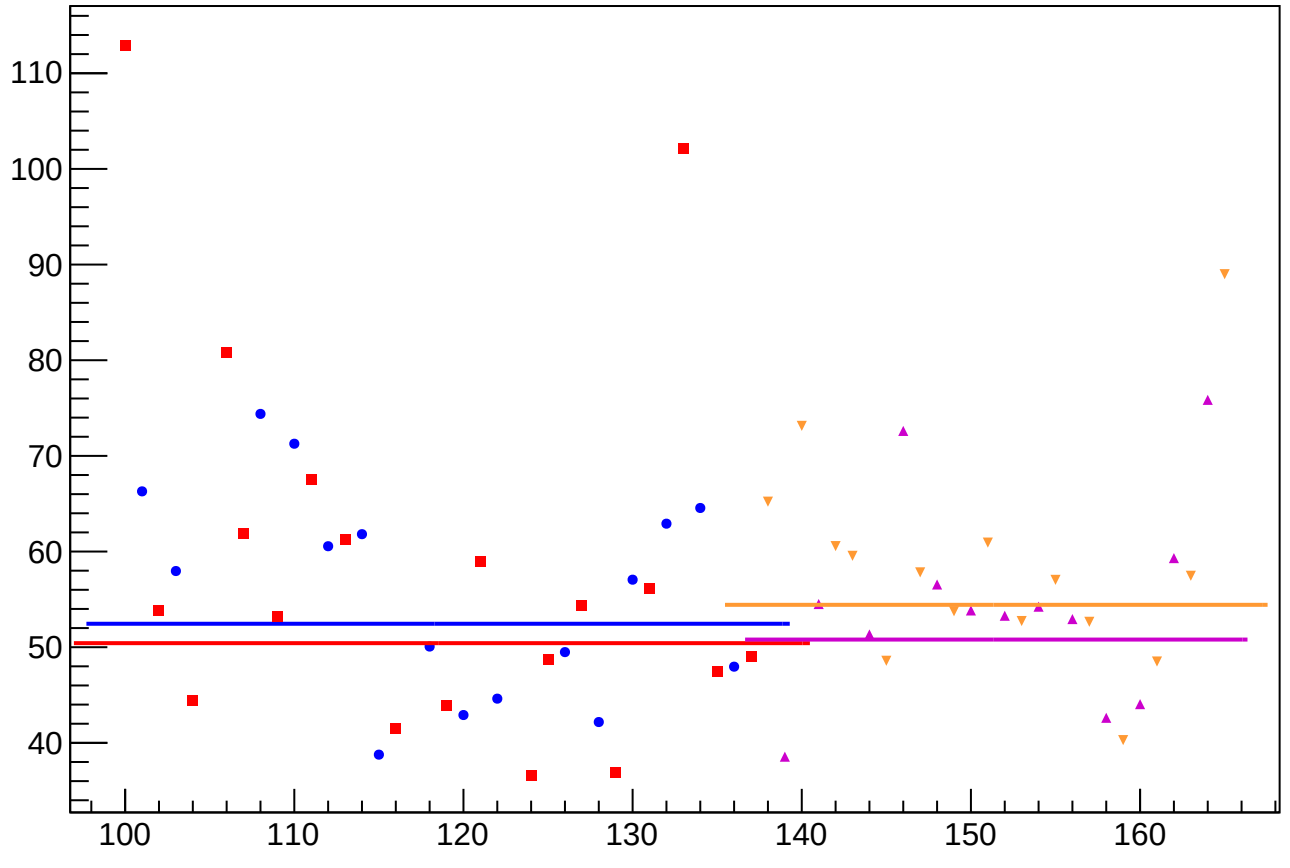
Left: 0.004+/-0.011 χ^2/NDF: 48.7/27

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.005+/-0.009 χ^2/NDF: 74.2/62



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.430+/-0.012 χ^2/NDF:616517.9/14

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

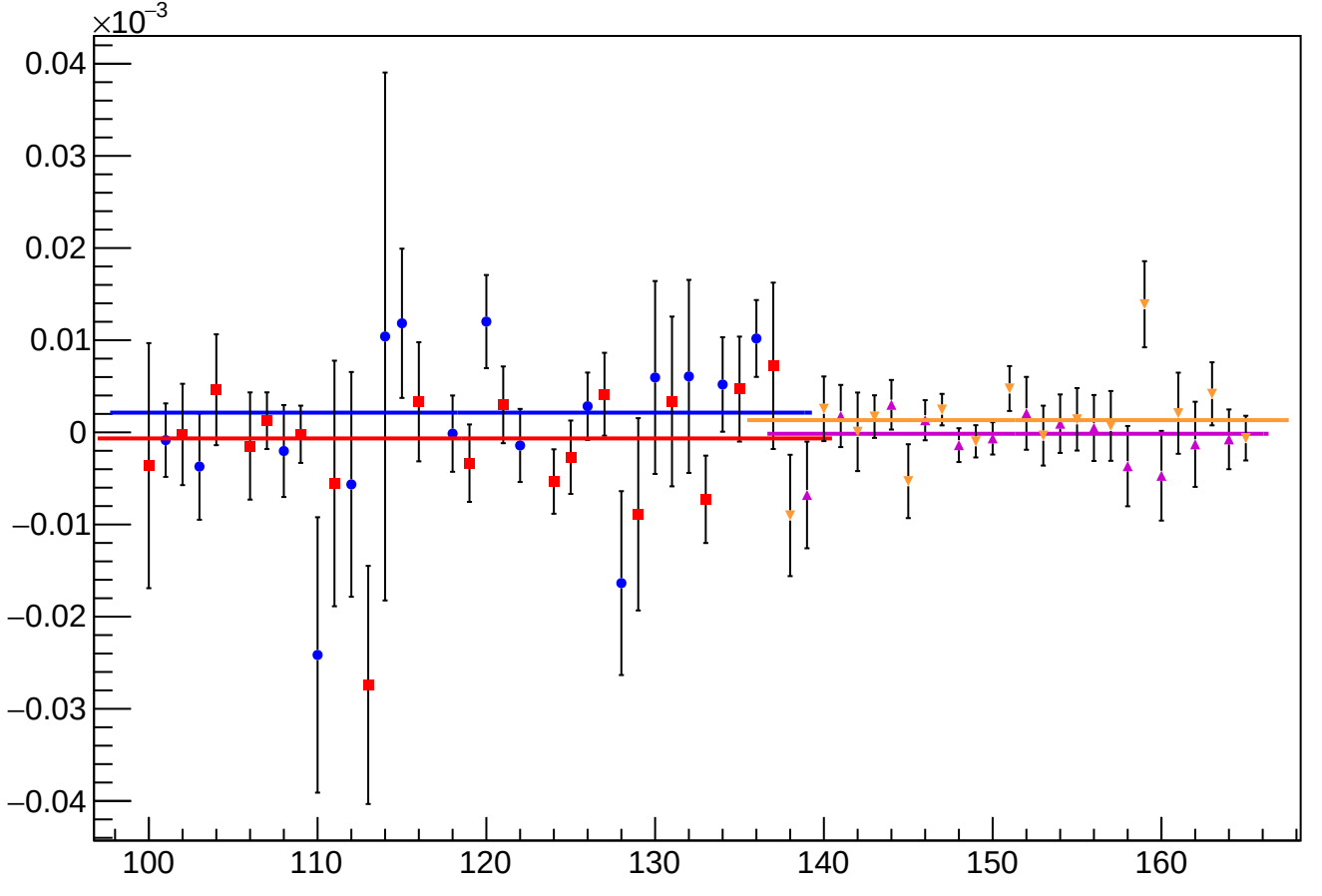
Left: 52.563+/-0.008 χ^2/NDF: 1256150.0/27

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.426+/-0.009 χ^2/NDF:1015541.5/28

Out: 52.764+/-0.009 χ^2/NDF:1342723.9/33

All: 52.096+/-0.006 χ^2/NDF: 2369593.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/12

Left: 0.000+/-0.000 χ^2/NDF: 26.4/27

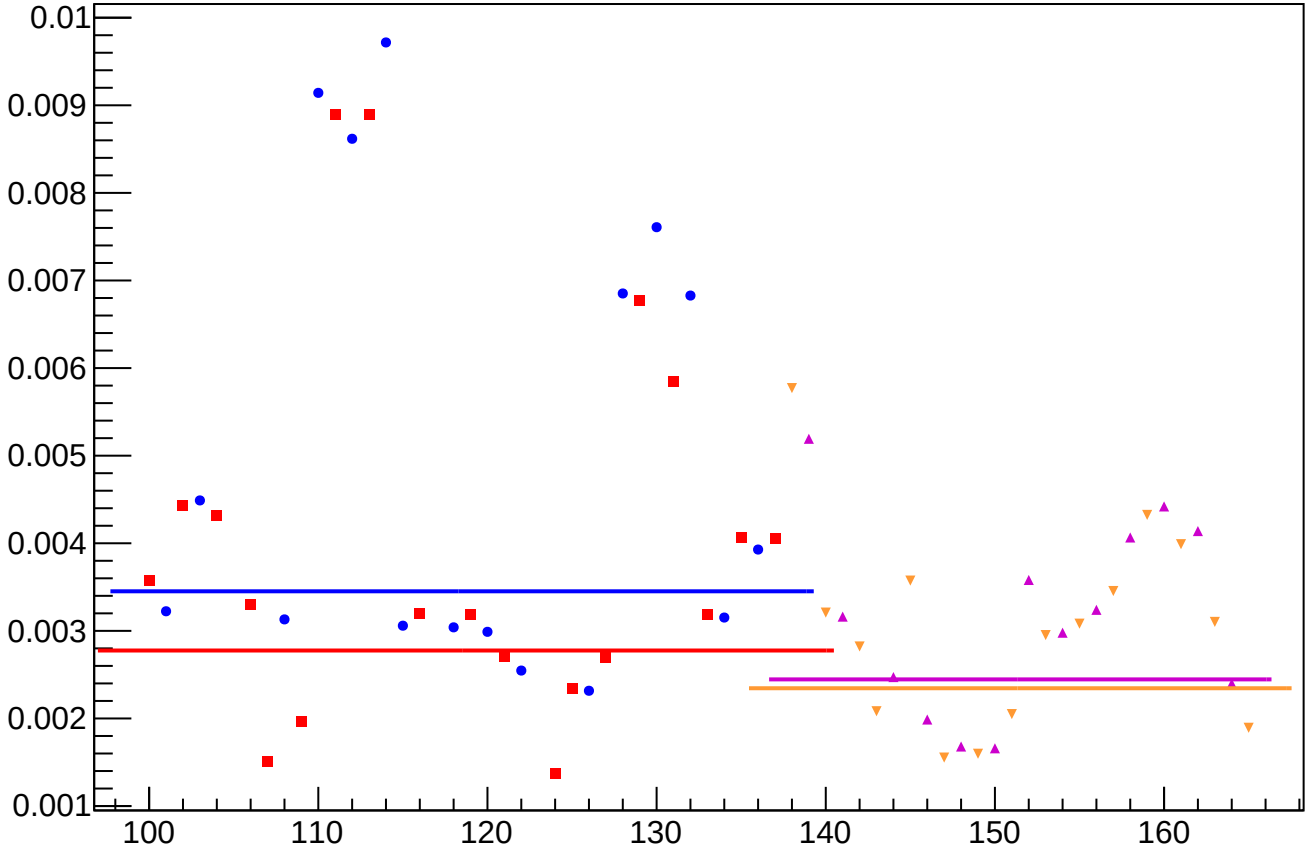
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.2/28

Out: 0.000+/-0.000 χ^2/NDF:35.4/33

All: 0.000+/-0.000 χ^2/NDF: 63.8/62

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:2867758.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2575766.2/12

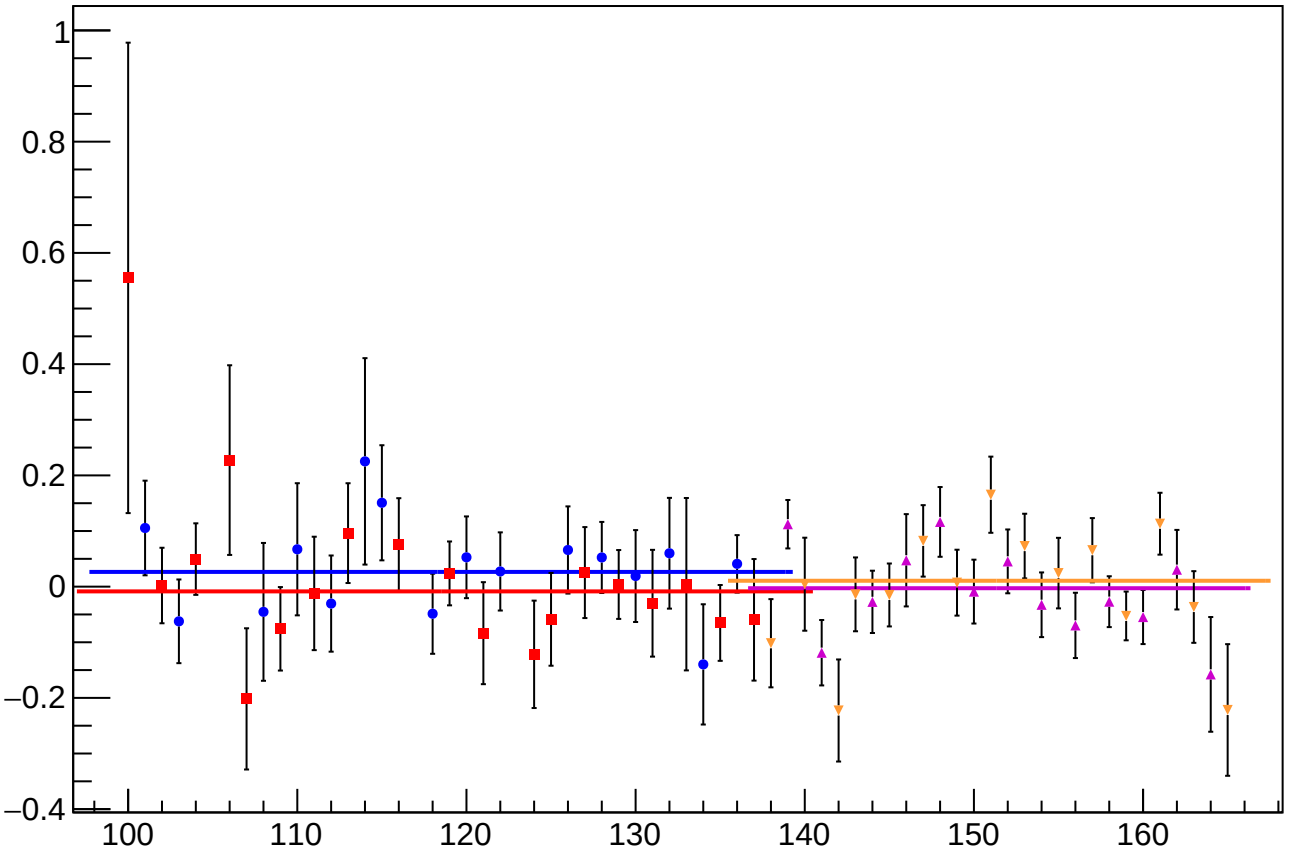
Left: 0.002+/-0.000 χ^2/NDF: 5460886.0/27

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5317465.8/28

Out: 0.002+/-0.000 χ^2/NDF:5802440.6/33

All: 0.003+/-0.000 χ^2/NDF: 11239157.1/62



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

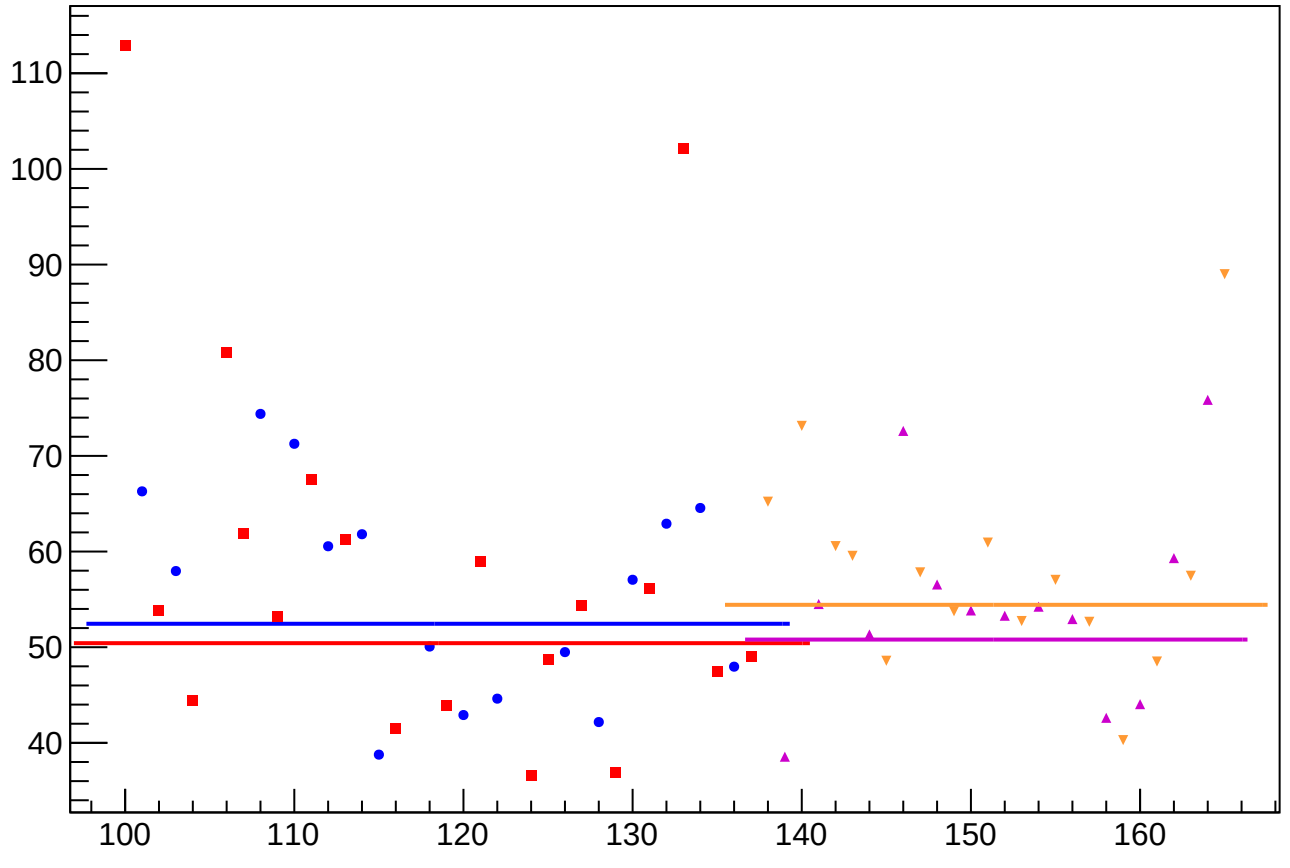
Left: 0.004+/-0.011 χ^2/NDF: 48.7/27

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.005+/-0.009 χ^2/NDF: 74.2/62



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.431+/-0.012 χ^2/NDF:616534.1/14

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.798+/-0.011 χ^2/NDF:589473.8/12

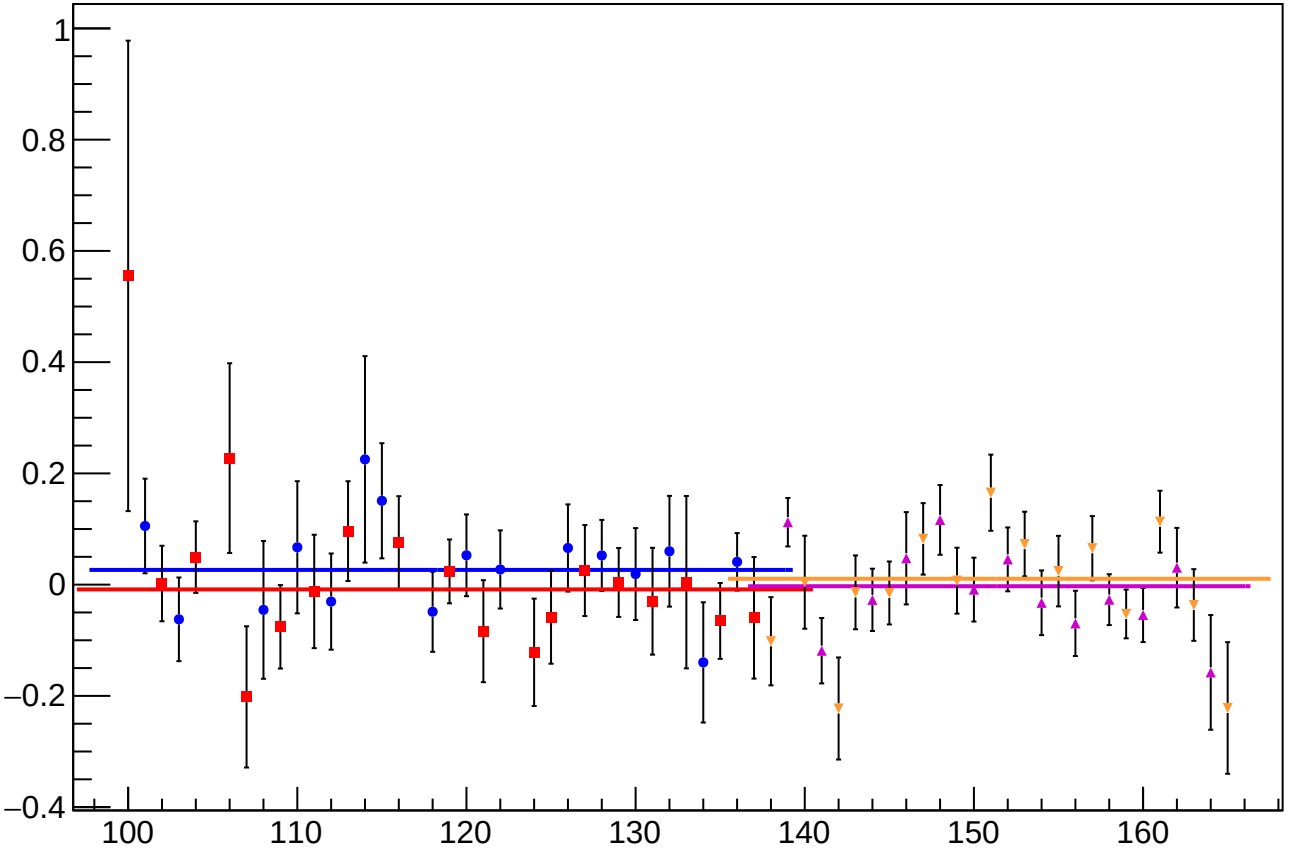
Left: 52.563+/-0.008 χ^2/NDF: 1256257.9/27

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.426+/-0.009 χ^2/NDF:1015567.2/28

Out: 52.764+/-0.009 χ^2/NDF:1342783.9/33

All: 52.096+/-0.006 χ^2/NDF: 2369679.8/62



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

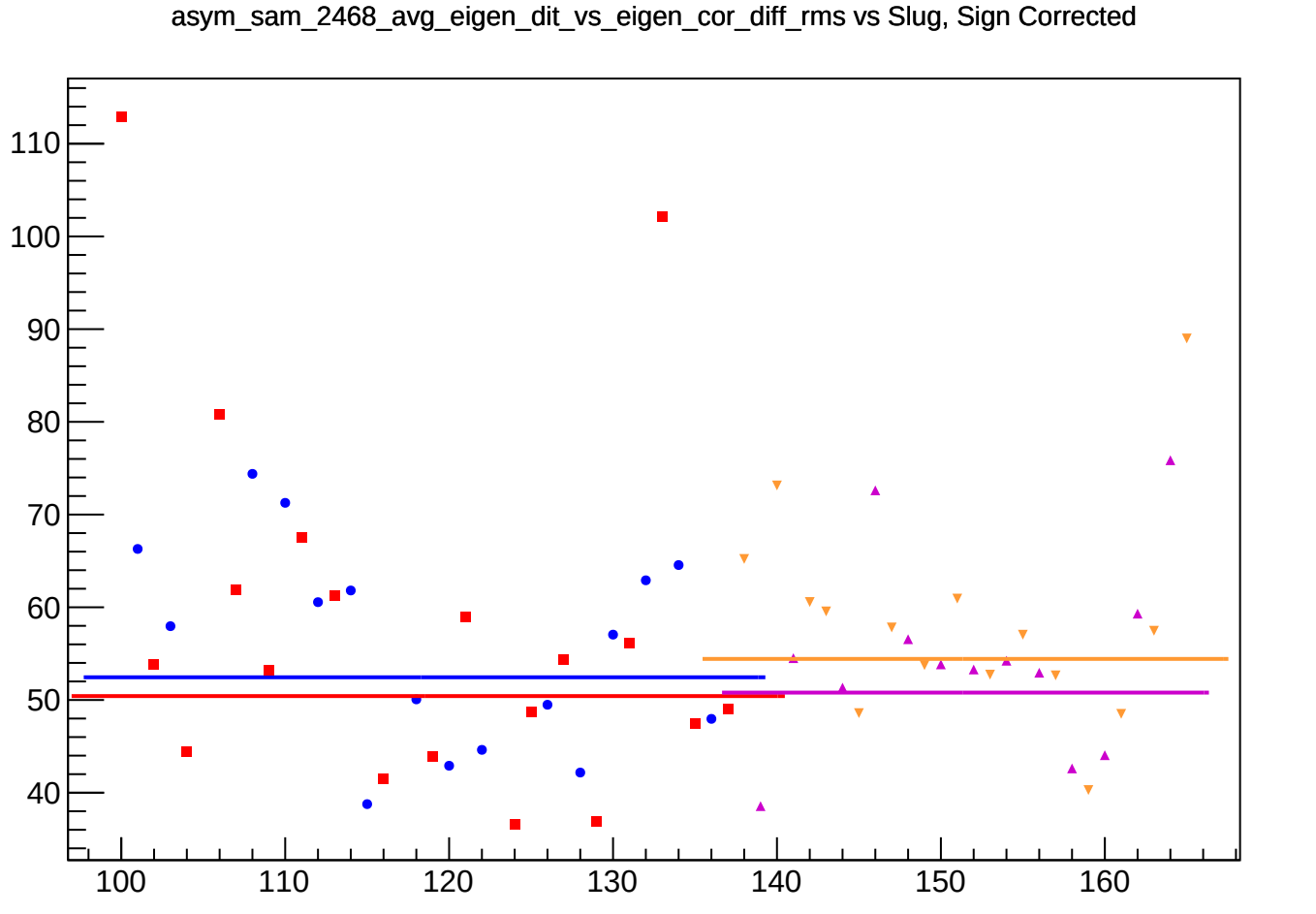
Left: 0.004+/-0.011 χ^2/NDF: 48.7/27

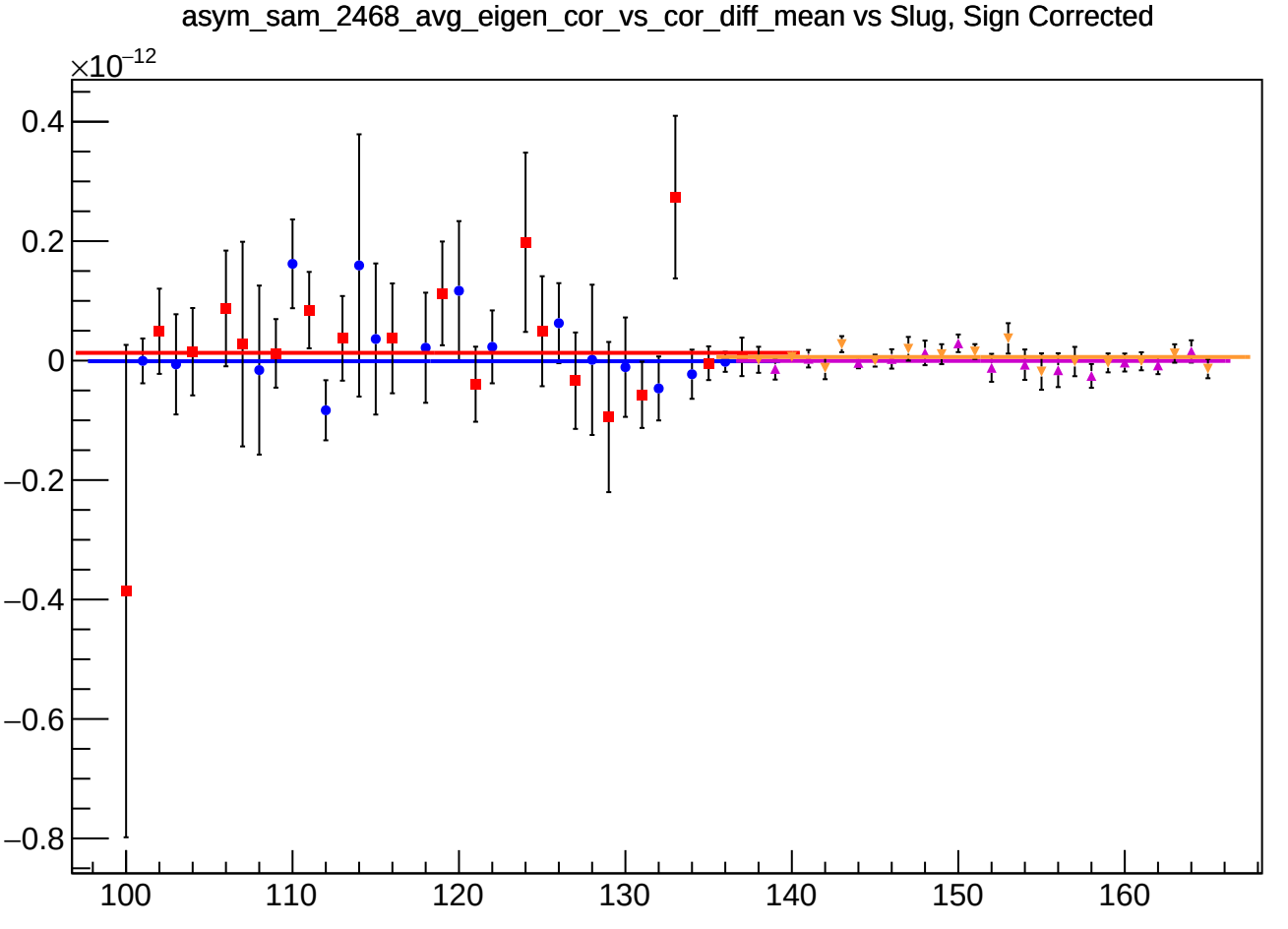
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

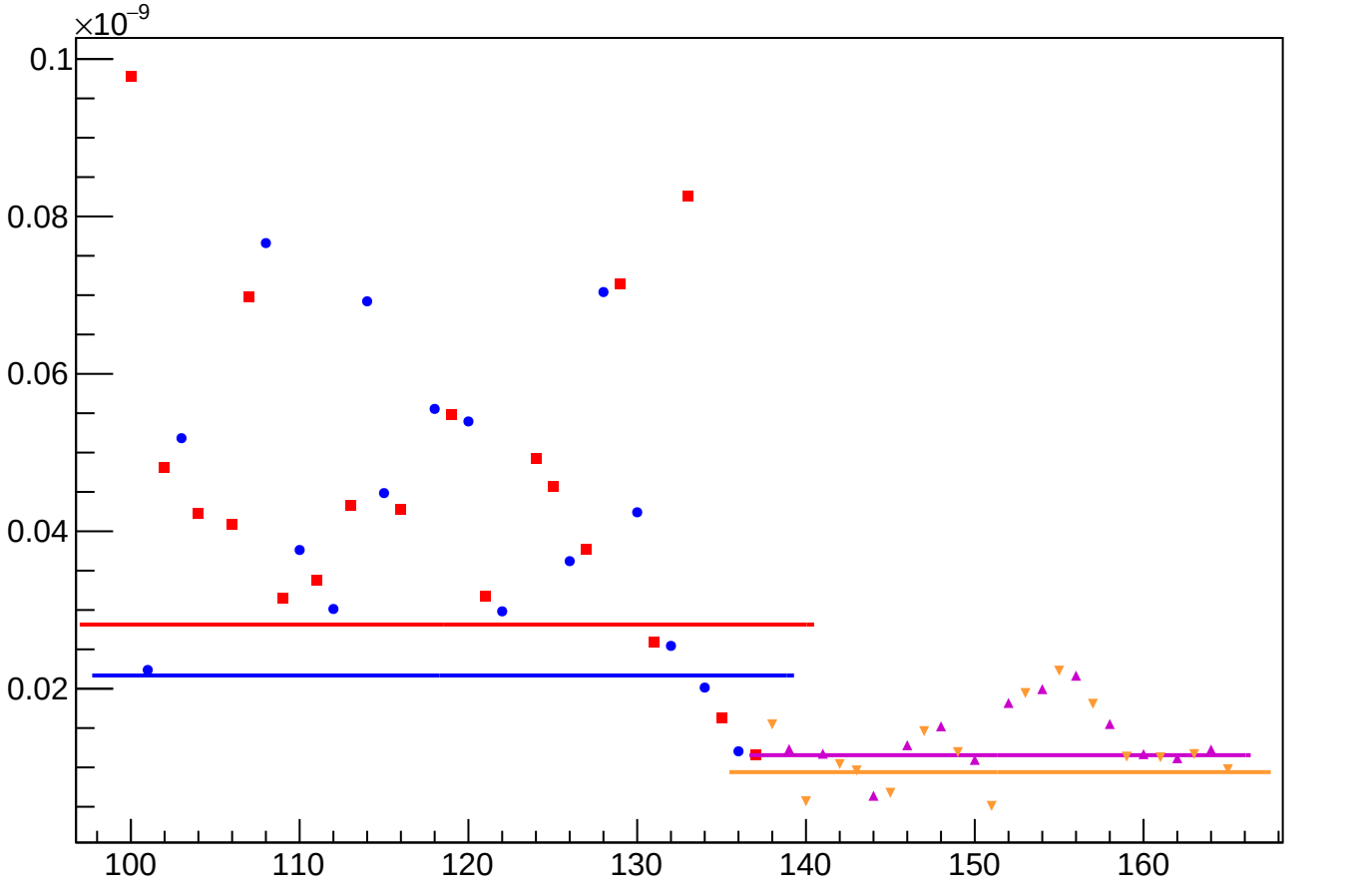
In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.005+/-0.009 χ^2/NDF: 74.2/62


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
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 54.431+/-0.012 χ²/NDF:616534.1/14
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 50.798+/-0.011 χ²/NDF:589473.8/12
Left: 52.563+/-0.008 χ²/NDF: 1256257.9/27
Right: 51.389+/-0.010 χ²/NDF: 1105059.9/34
In: 51.426+/-0.009 χ²/NDF:1015567.2/28
Out: 52.764+/-0.009 χ²/NDF:1342783.9/33
All: 52.096+/-0.006 χ²/NDF: 2369679.8/62


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
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:8.4/12
Left: 0.000+/-0.000 χ²/NDF: 19.1/27
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:19.7/28
Out: 0.000+/-0.000 χ²/NDF:23.3/33
All: 0.000+/-0.000 χ²/NDF: 44.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2159924.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1444536.5/12

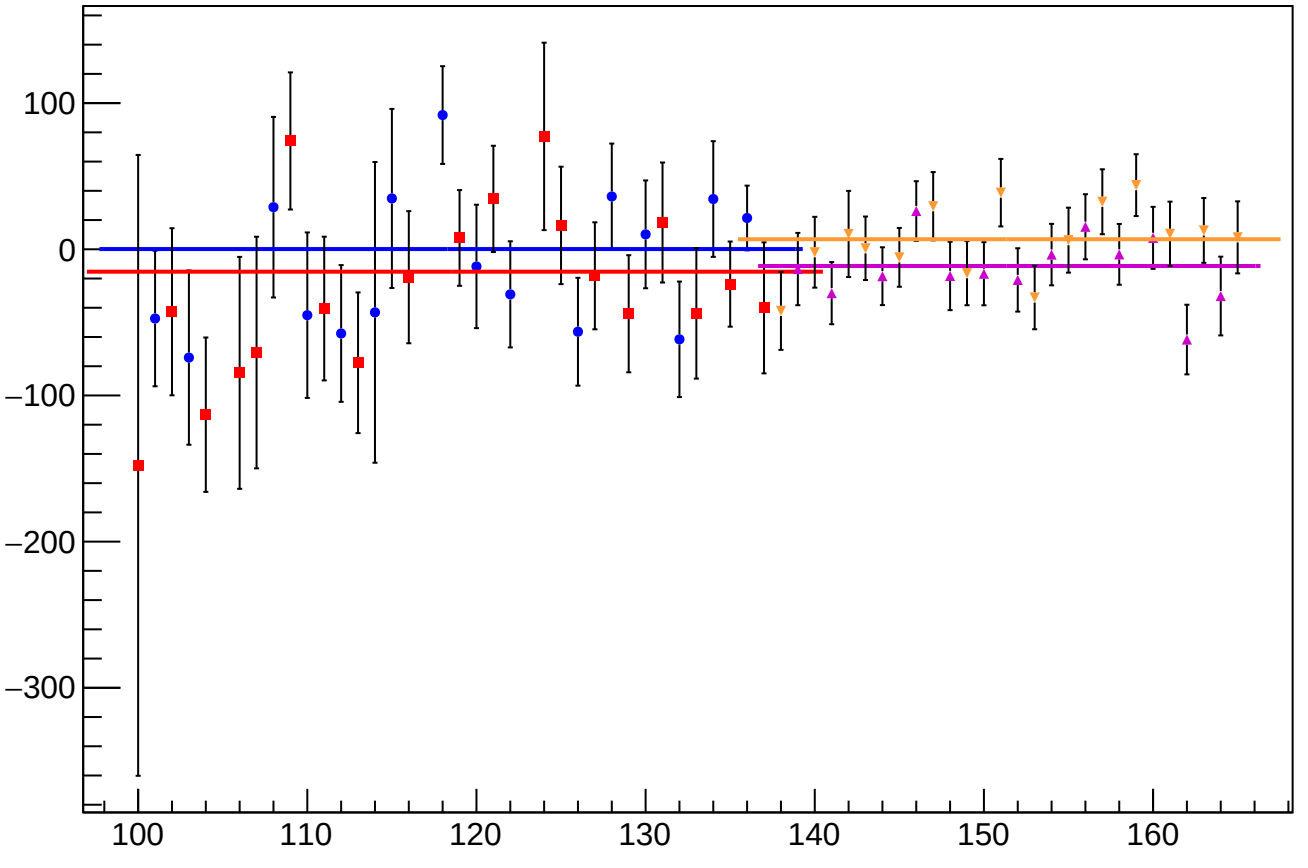
Left: 0.000+/-0.000 χ^2/NDF: 3871776.4/27

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5219640.2/28

Out: 0.000+/-0.000 χ^2/NDF:7669153.6/33

All: 0.000+/-0.000 χ^2/NDF: 13193983.5/62



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.882+/-5.894 χ^2/NDF:15.8/14

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -11.435+/-6.101 χ^2/NDF:12.2/12

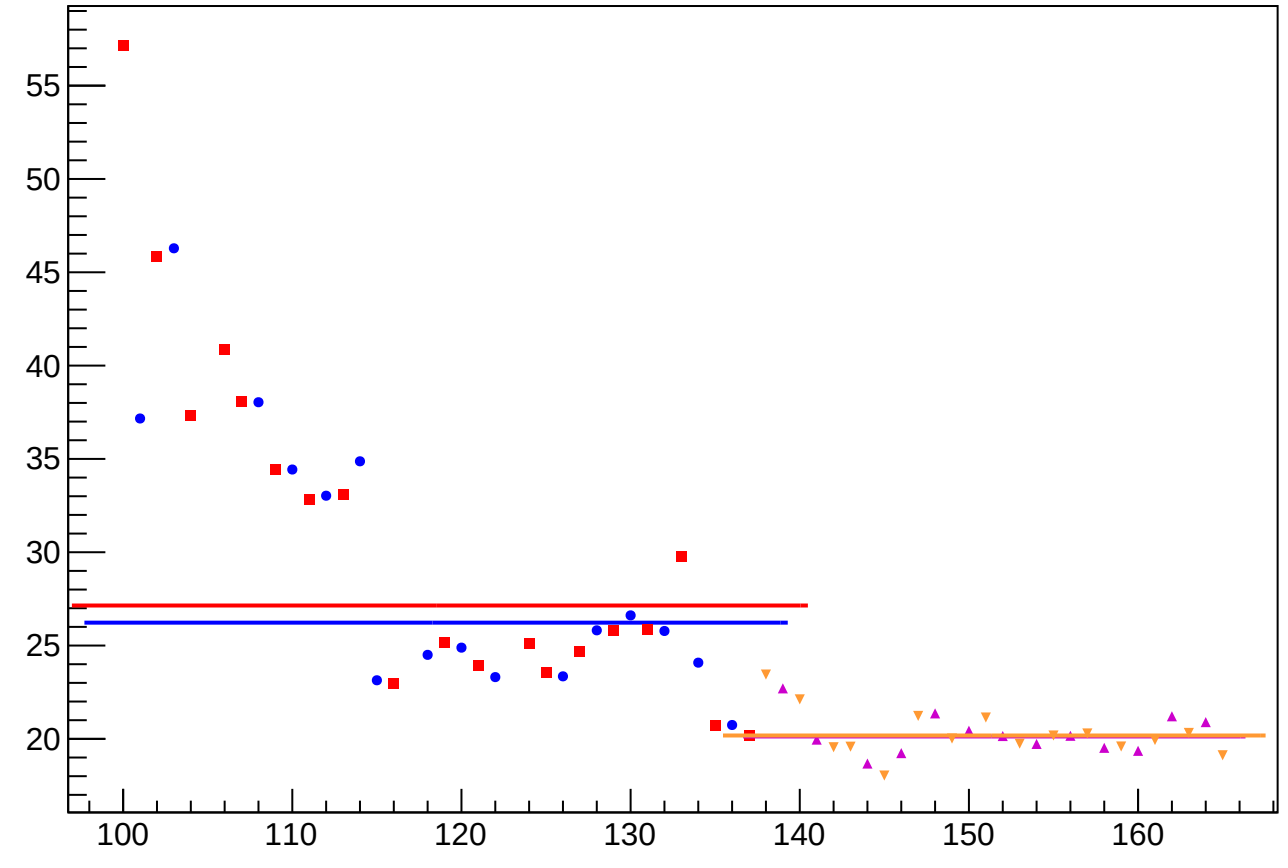
Left: -1.960+/-4.239 χ^2/NDF: 32.7/27

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -8.312+/-5.215 χ^2/NDF:34.5/28

Out: 1.375+/-5.112 χ^2/NDF:37.3/33

All: -3.372+/-3.651 χ^2/NDF: 73.6/62



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

Left: 20.155+/-0.003 χ^2/NDF: 135258.0/27

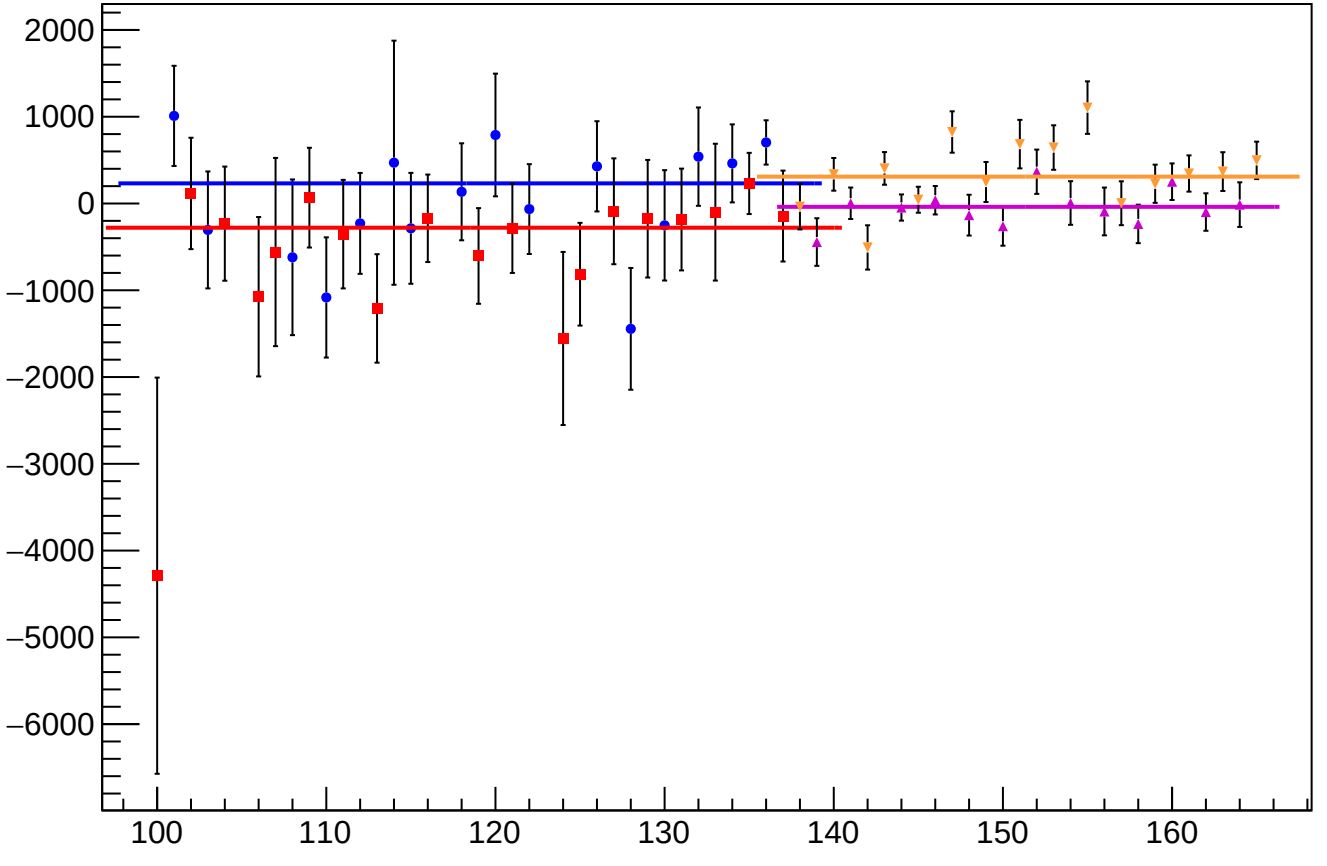
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.771+/-0.004 χ^2/NDF:1267625.6/28

Out: 21.907+/-0.004 χ^2/NDF:1529580.6/33

All: 21.840+/-0.003 χ^2/NDF: 2797899.5/62

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.645+/-57.077 χ^2/NDF:33.0/14

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -38.364+/-59.088 χ^2/NDF:9.0/12

Left: 141.666+/-41.052 χ^2/NDF: 59.9/27

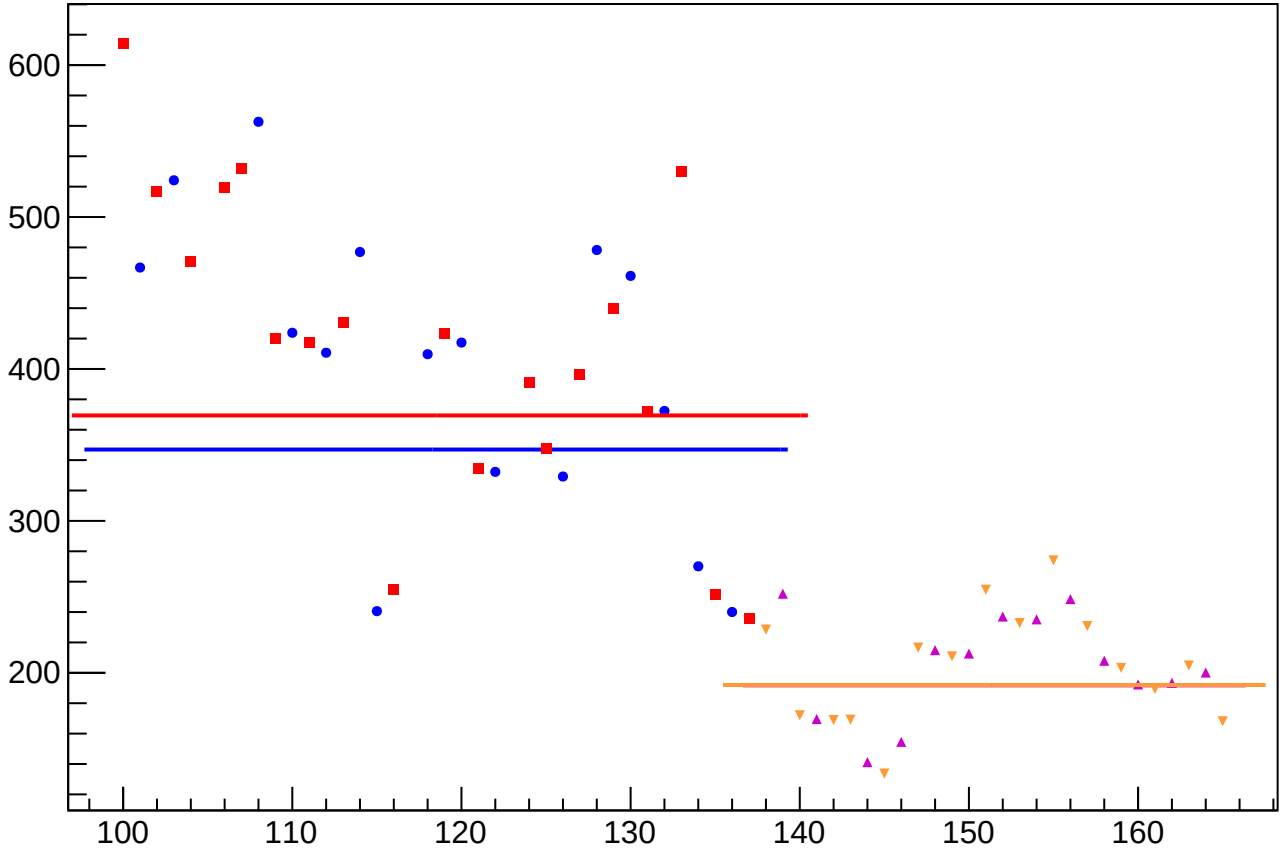
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 5.188+/-54.122 χ^2/NDF:32.0/28

Out: 225.709+/-52.851 χ^2/NDF:60.3/33

All: 118.068+/-37.813 χ^2/NDF: 100.7/62

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: 191.980+/-0.040 χ^2/NDF:826729.2/14

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 191.759+/-0.042 χ^2/NDF:710817.0/12

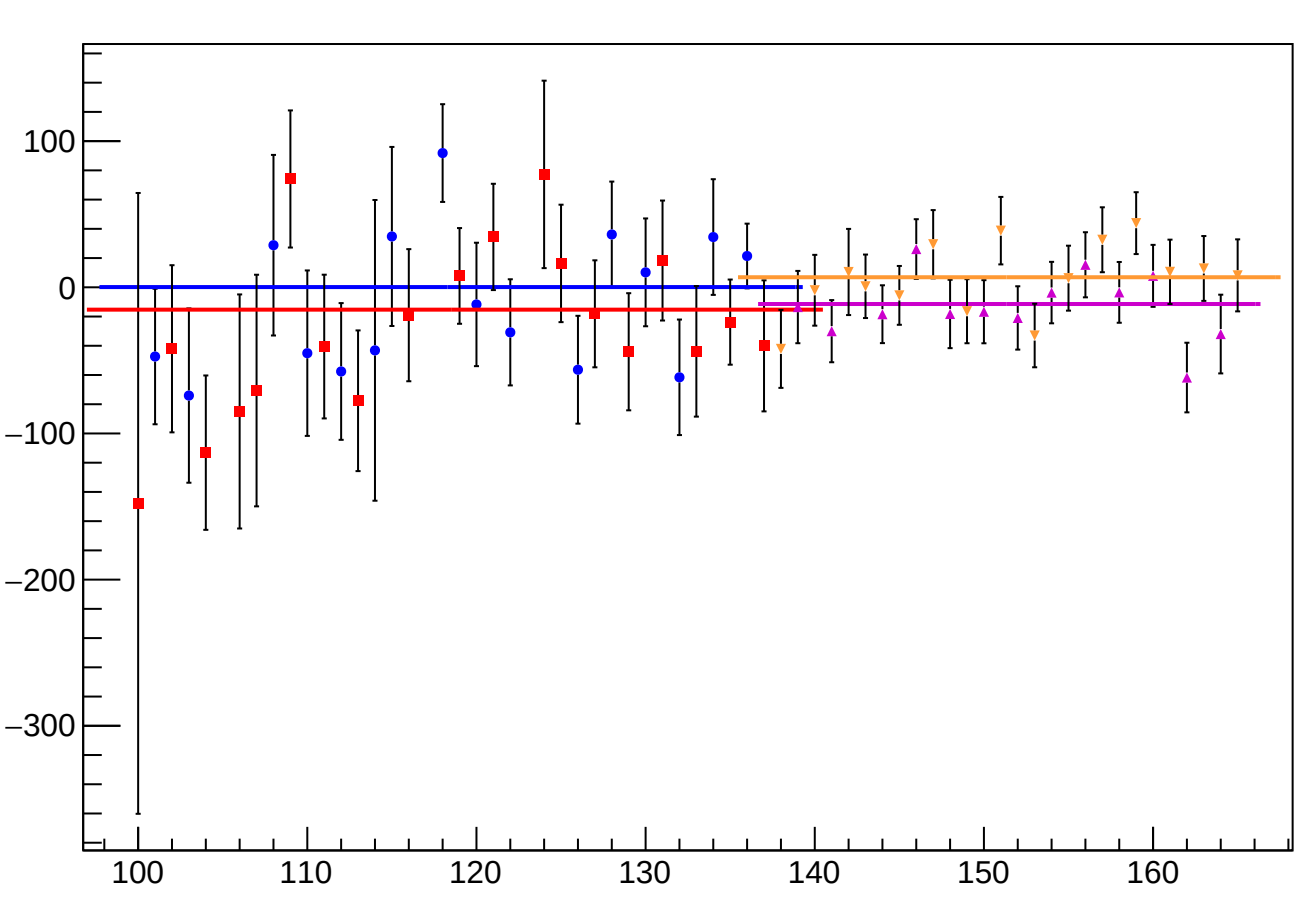
Left: 191.874+/-0.029 χ^2/NDF: 1537560.6/27

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 216.753+/-0.038 χ^2/NDF:3991015.6/28

Out: 217.279+/-0.037 χ^2/NDF:4501314.8/33

All: 217.022+/-0.027 χ^2/NDF: 8492426.9/62



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.881+/-5.894 χ^2/NDF:15.8/14

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -11.435+/-6.101 χ^2/NDF:12.2/12

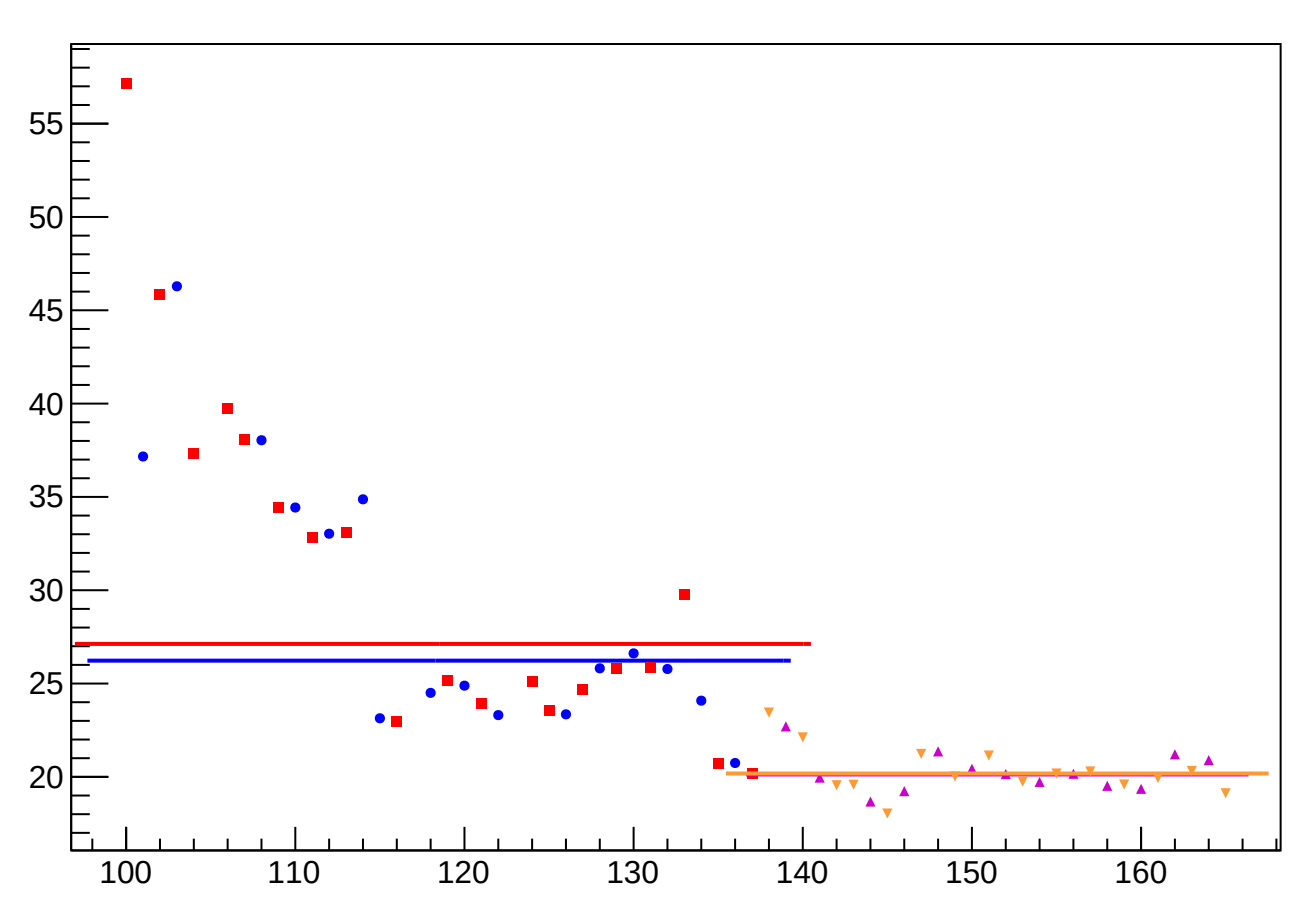
Left: -1.961+/-4.239 χ^2/NDF: 32.7/27

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -8.312+/-5.215 χ^2/NDF:34.5/28

Out: 1.386+/-5.112 χ^2/NDF:37.2/33

All: -3.366+/-3.651 χ^2/NDF: 73.5/62



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

Left: 20.155+/-0.003 χ^2/NDF: 135258.0/27

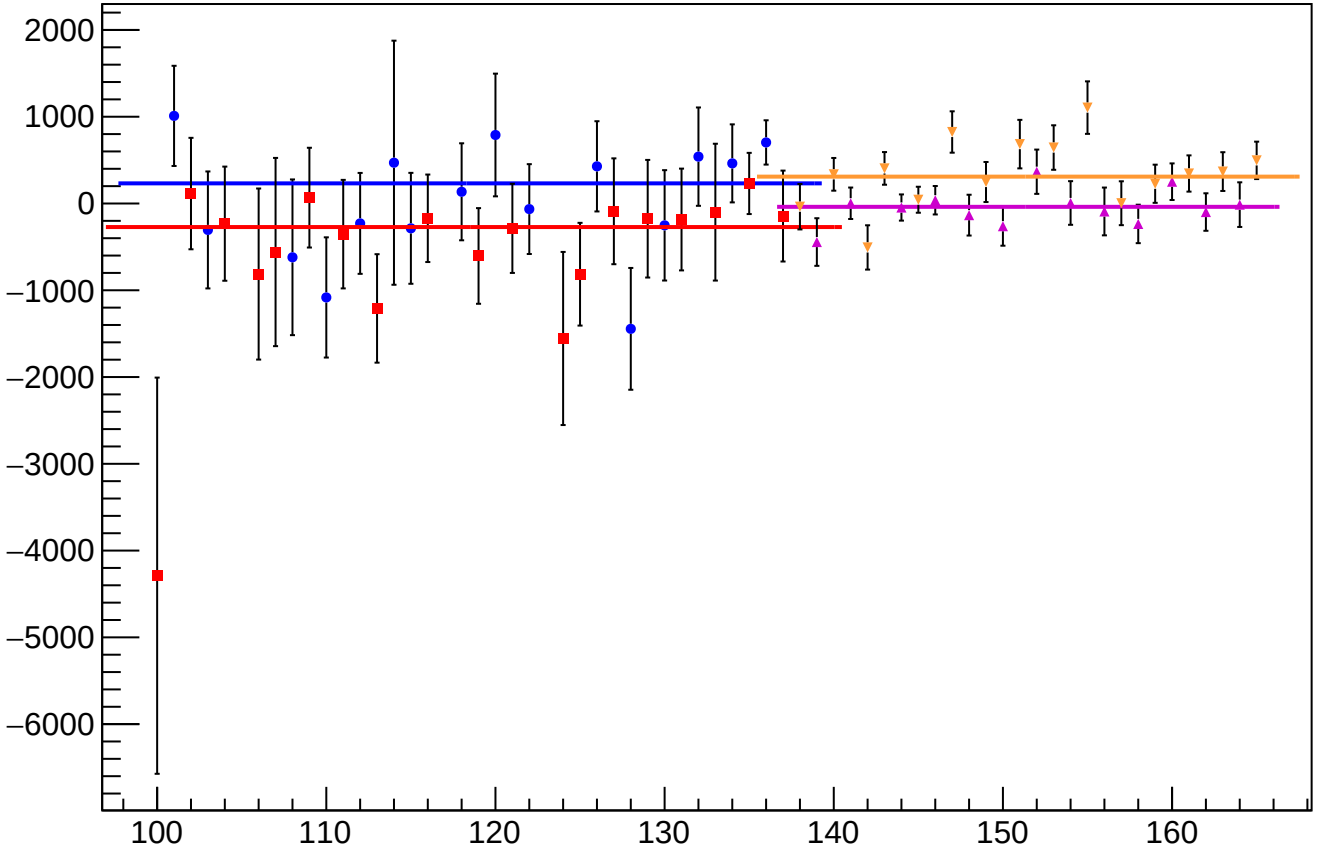
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.771+/-0.004 χ^2/NDF:1267628.9/28

Out: 21.901+/-0.004 χ^2/NDF:1515315.3/33

All: 21.837+/-0.003 χ^2/NDF: 2783579.0/62

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: 309.644+/-57.077 χ^2/NDF:33.0/14

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -38.364+/-59.088 χ^2/NDF:9.0/12

Left: 141.665+/-41.052 χ^2/NDF: 59.9/27

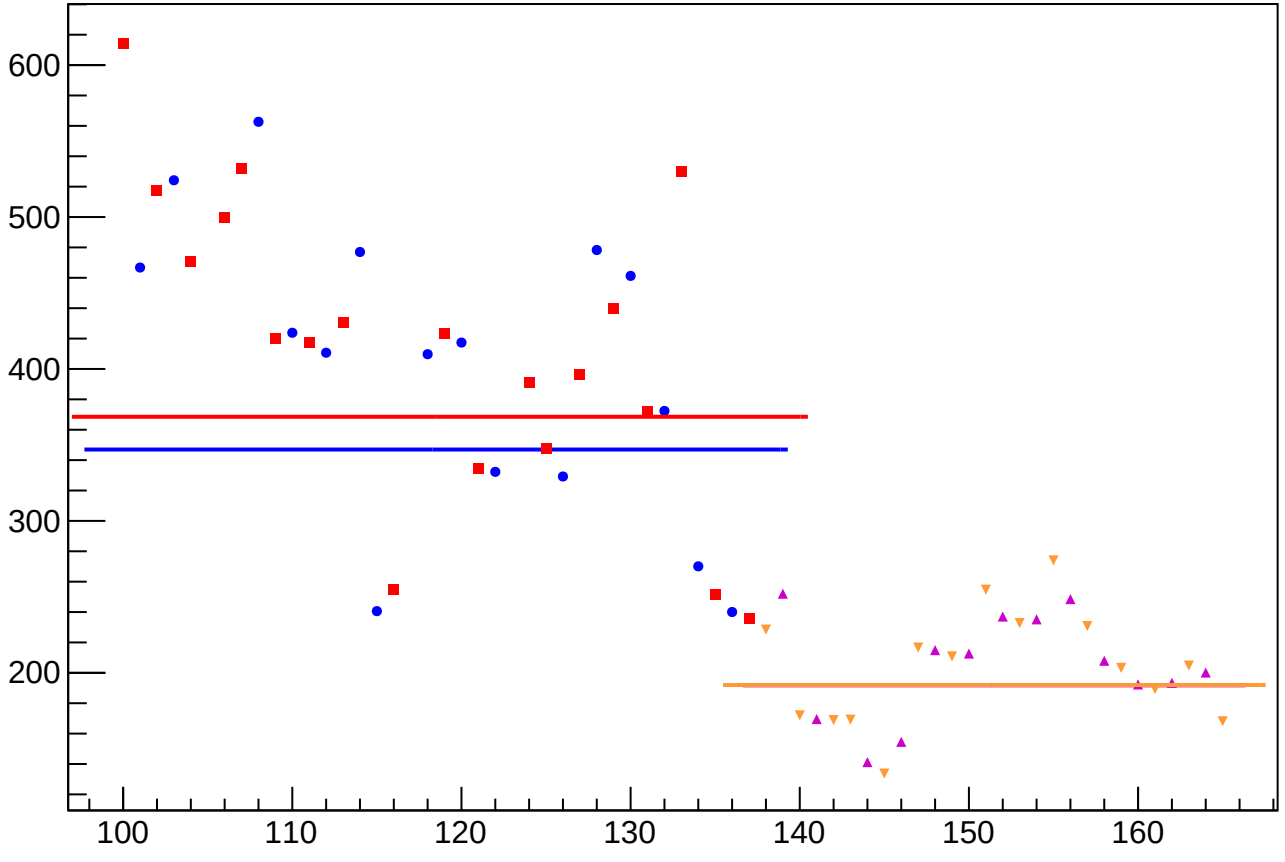
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 5.187+/-54.122 χ^2/NDF:32.0/28

Out: 227.016+/-52.863 χ^2/NDF:59.4/33

All: 118.712+/-37.817 χ^2/NDF: 99.9/62

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: 191.980+/-0.040 χ^2/NDF:826732.1/14

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

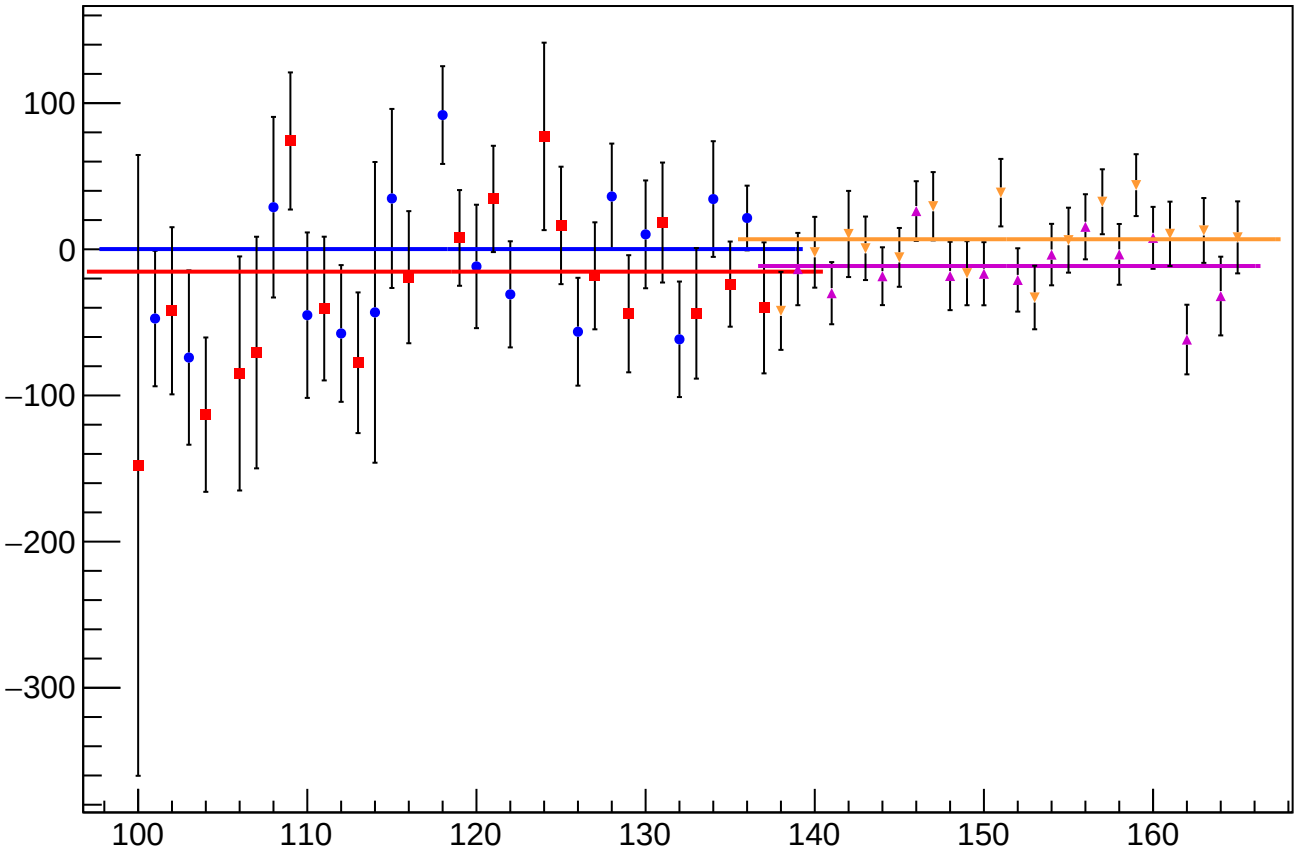
Left: 191.874+/-0.029 χ^2/NDF: 1537561.4/27

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 216.753+/-0.038 χ^2/NDF:3991037.4/28

Out: 217.088+/-0.037 χ^2/NDF:4448561.9/33

All: 216.925+/-0.027 χ^2/NDF: 8439638.6/62



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.881+/-5.894 χ^2/NDF:15.8/14

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -11.435+/-6.101 χ^2/NDF:12.2/12

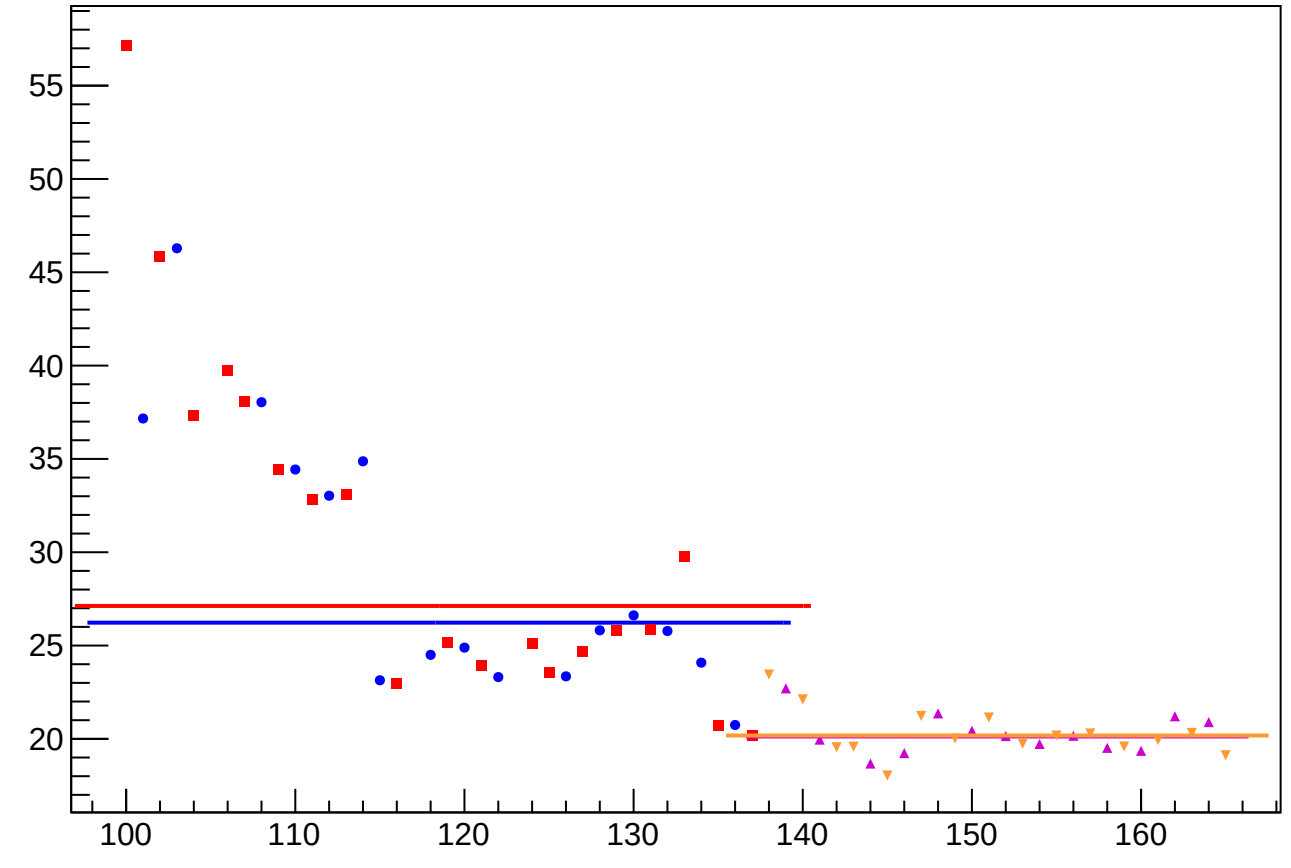
Left: -1.961+/-4.239 χ^2/NDF: 32.7/27

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -8.312+/-5.215 χ^2/NDF:34.5/28

Out: 1.386+/-5.112 χ^2/NDF:37.2/33

All: -3.366+/-3.651 χ^2/NDF: 73.5/62



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

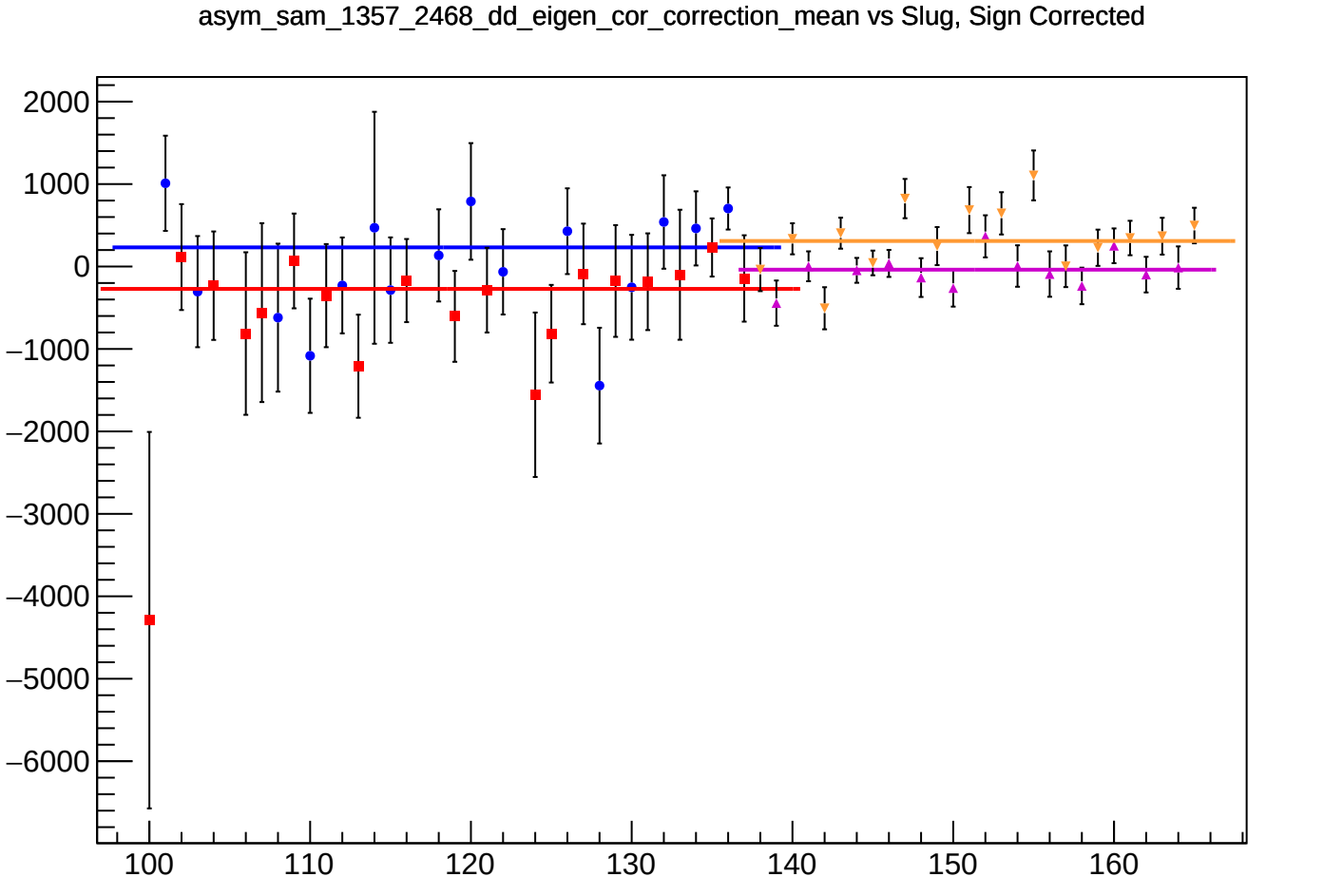
Left: 20.155+/-0.003 χ^2/NDF: 135258.0/27

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

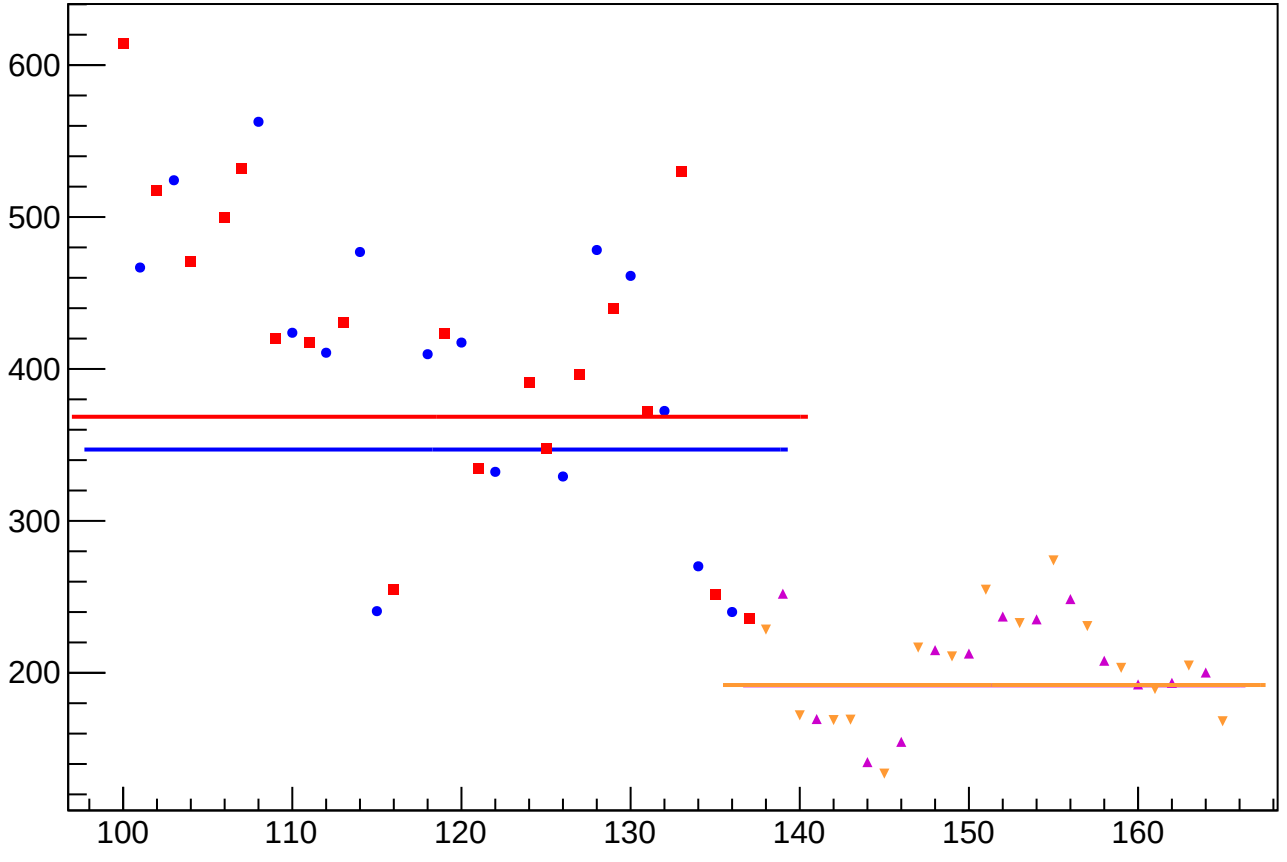
In: 21.771+/-0.004 χ^2/NDF:1267628.9/28

Out: 21.901+/-0.004 χ^2/NDF:1515315.3/33

All: 21.837+/-0.003 χ^2/NDF: 2783579.0/62


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 309.644+/-57.077 χ²/NDF:33.0/14
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -38.364+/-59.088 χ²/NDF:9.0/12
Left: 141.665+/-41.052 χ²/NDF: 59.9/27
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 5.187+/-54.122 χ²/NDF:32.0/28
Out: 227.016+/-52.863 χ²/NDF:59.4/33
All: 118.712+/-37.817 χ²/NDF: 99.9/62

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: 191.980+/-0.040 χ^2/NDF:826732.1/14

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

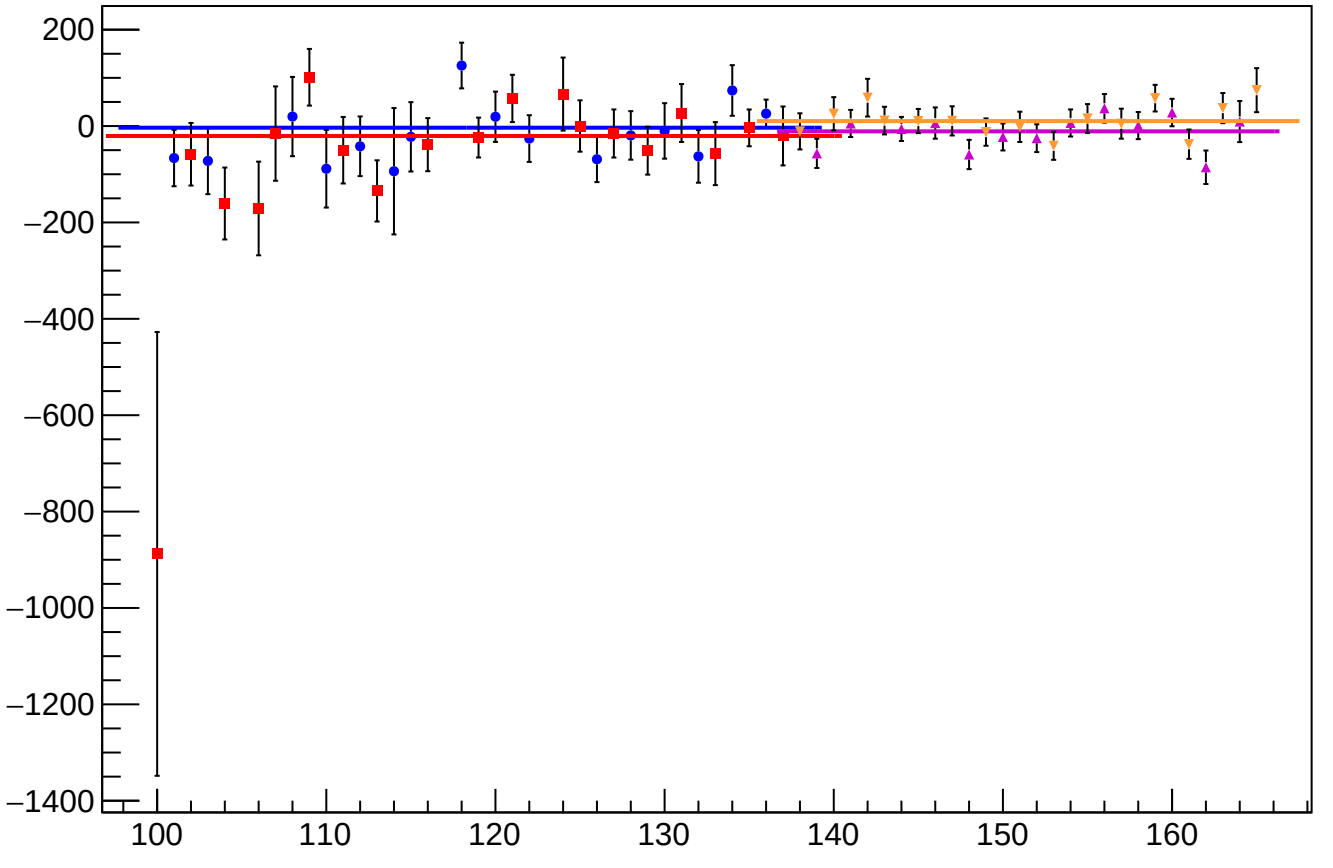
Left: 191.874+/-0.029 χ^2/NDF: 1537561.4/27

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 216.753+/-0.038 χ^2/NDF:3991037.4/28

Out: 217.088+/-0.037 χ^2/NDF:4448561.9/33

All: 216.925+/-0.027 χ^2/NDF: 8439638.6/62



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 10.315+/-8.015 χ^2/NDF:14.1/14

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.958+/-8.239 χ^2/NDF:15.7/12

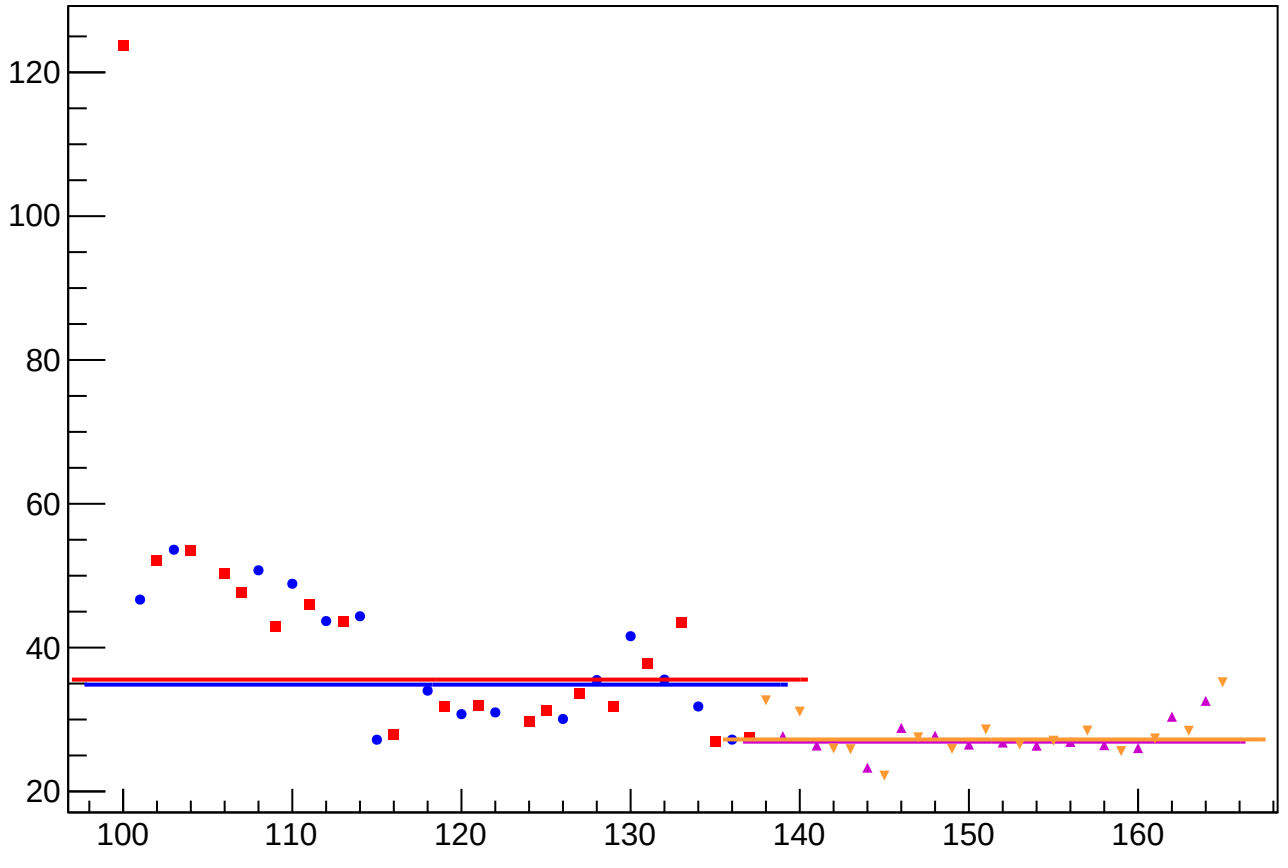
Left: -0.028+/-5.745 χ^2/NDF: 33.3/27

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.890+/-7.017 χ^2/NDF:34.4/28

Out: 2.244+/-6.888 χ^2/NDF:41.2/33

All: -3.219+/-4.916 χ^2/NDF: 76.8/62



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.226+/-0.006 χ^2/NDF:237279.0/14

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

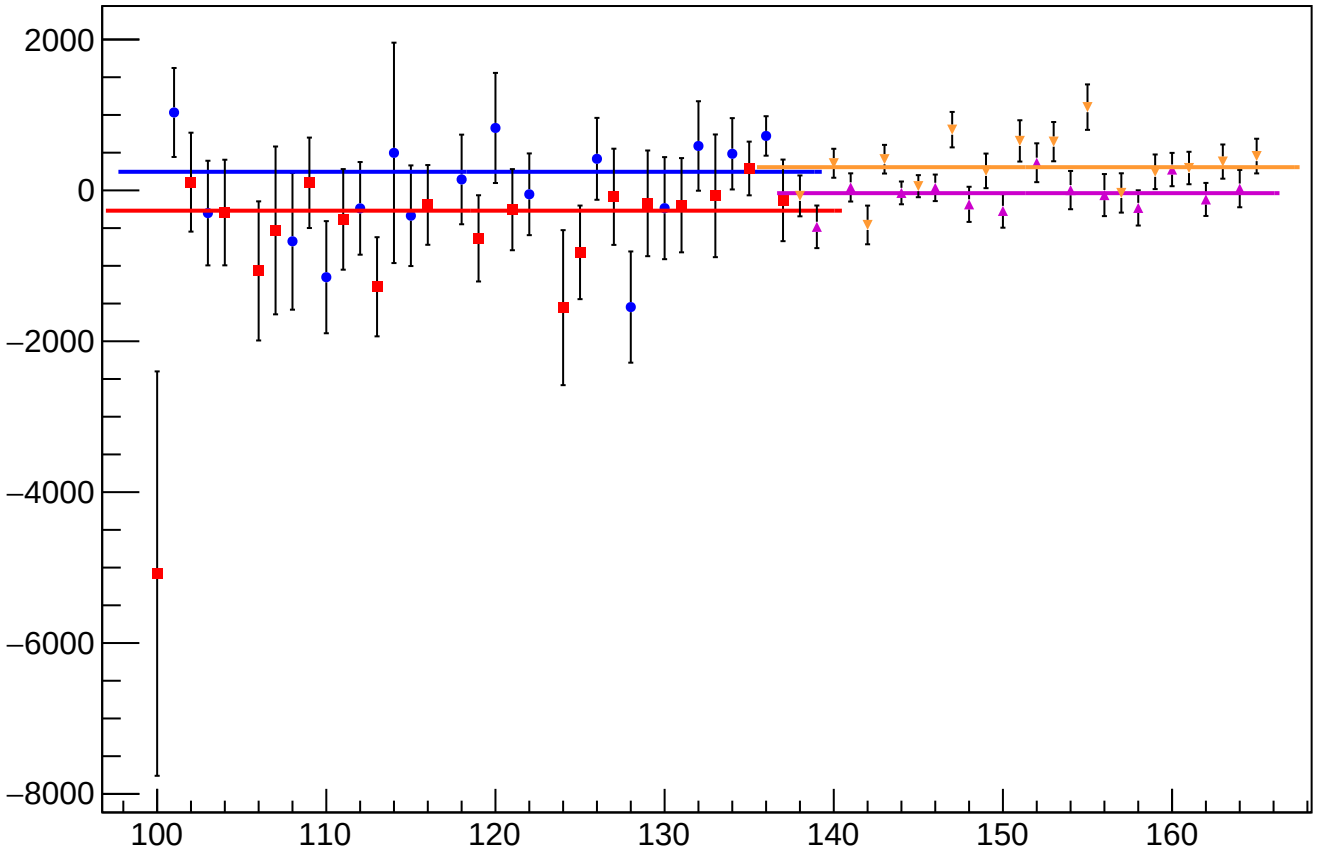
Left: 27.077+/-0.004 χ^2/NDF: 350217.5/27

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.097+/-0.005 χ^2/NDF:1278470.0/28

Out: 29.402+/-0.005 χ^2/NDF:1581311.2/33

All: 29.252+/-0.003 χ^2/NDF: 2861707.2/62



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 307.821+/-57.701 χ^2/NDF:31.4/14

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -36.663+/-60.255 χ^2/NDF:9.7/12

Left: 143.035+/-41.674 χ^2/NDF: 58.2/27

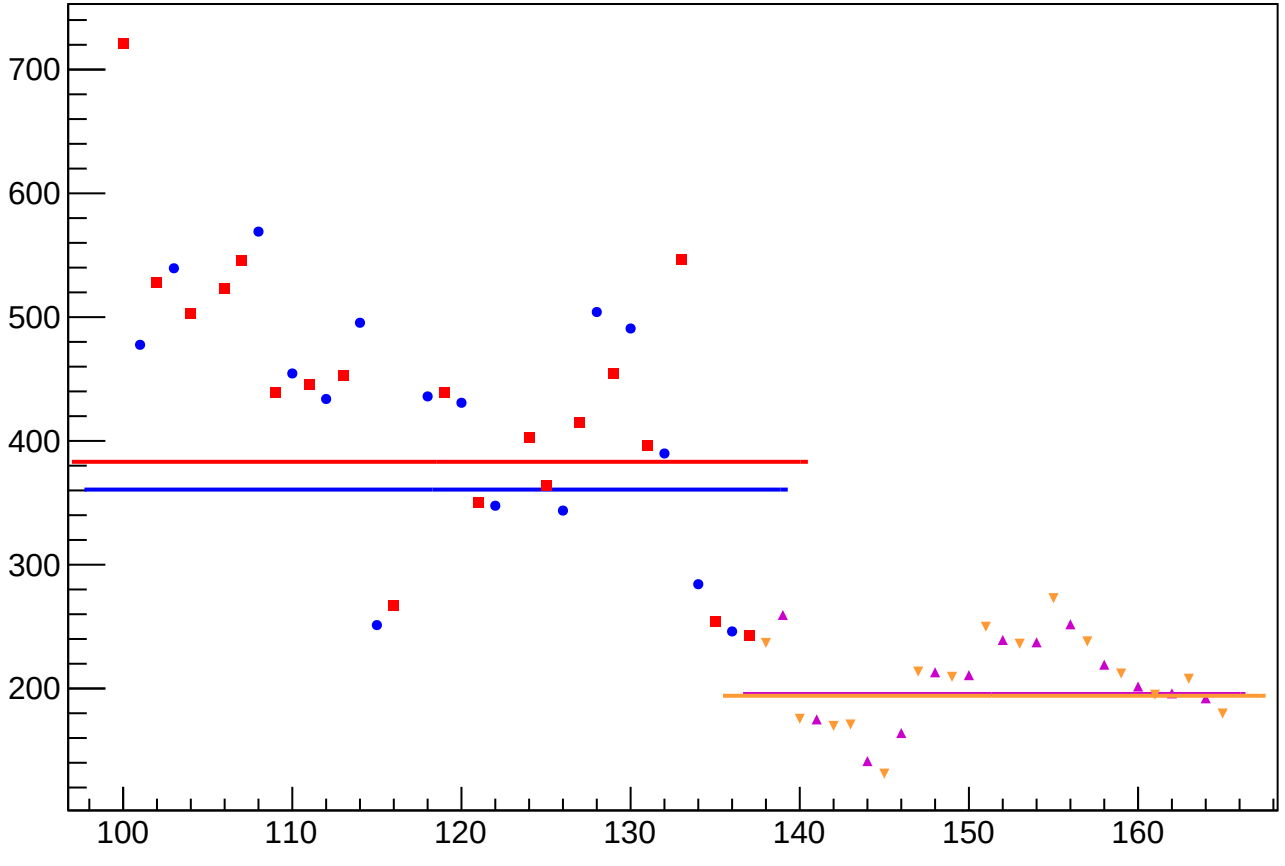
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 7.447+/-55.364 χ^2/NDF:32.9/28

Out: 229.254+/-53.627 χ^2/NDF:57.6/33

All: 121.884+/-38.519 χ^2/NDF: 98.8/62

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: 194.136+/-0.041 χ^2/NDF:865013.7/14

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 195.542+/-0.043 χ^2/NDF:684738.2/12

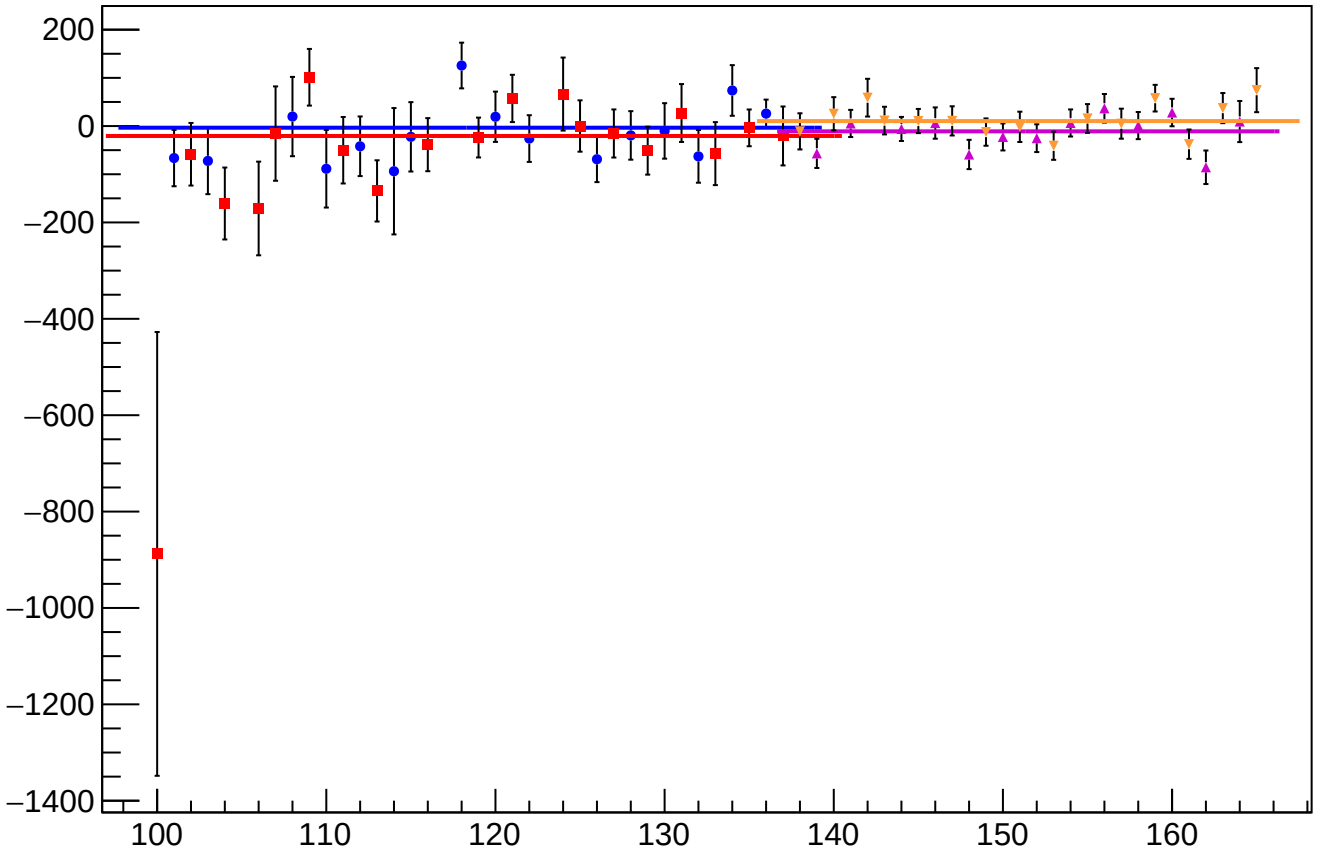
Left: 194.809+/-0.029 χ^2/NDF: 1550320.2/27

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 221.268+/-0.039 χ^2/NDF:4117890.3/28

Out: 219.882+/-0.038 χ^2/NDF:4751152.7/33

All: 220.553+/-0.027 χ^2/NDF: 8869689.5/62



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 10.315+/-8.015 χ^2/NDF:14.1/14

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.958+/-8.239 χ^2/NDF:15.7/12

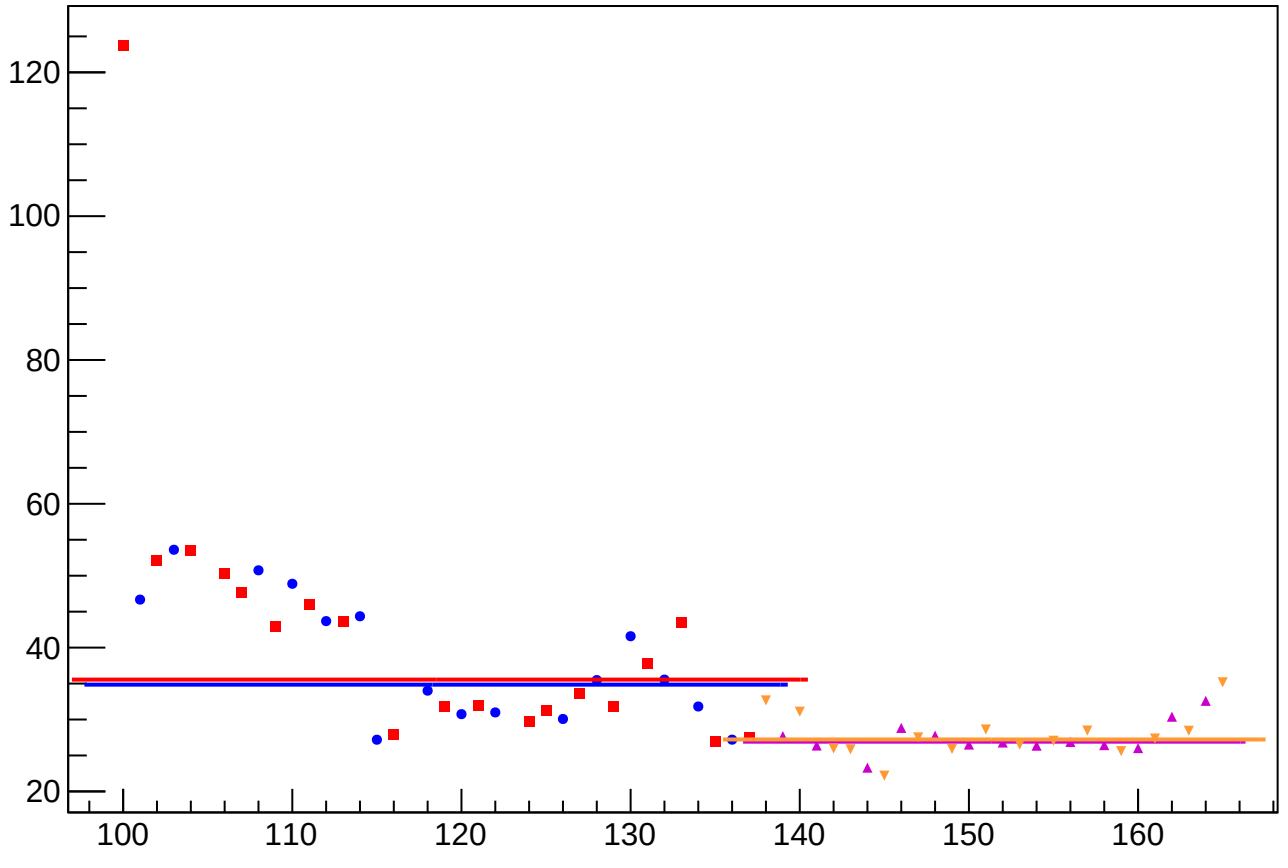
Left: -0.028+/-5.745 χ^2/NDF: 33.3/27

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.890+/-7.017 χ^2/NDF:34.4/28

Out: 2.244+/-6.888 χ^2/NDF:41.2/33

All: -3.219+/-4.916 χ^2/NDF: 76.8/62



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.226+/-0.006 χ^2/NDF:237268.8/14

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

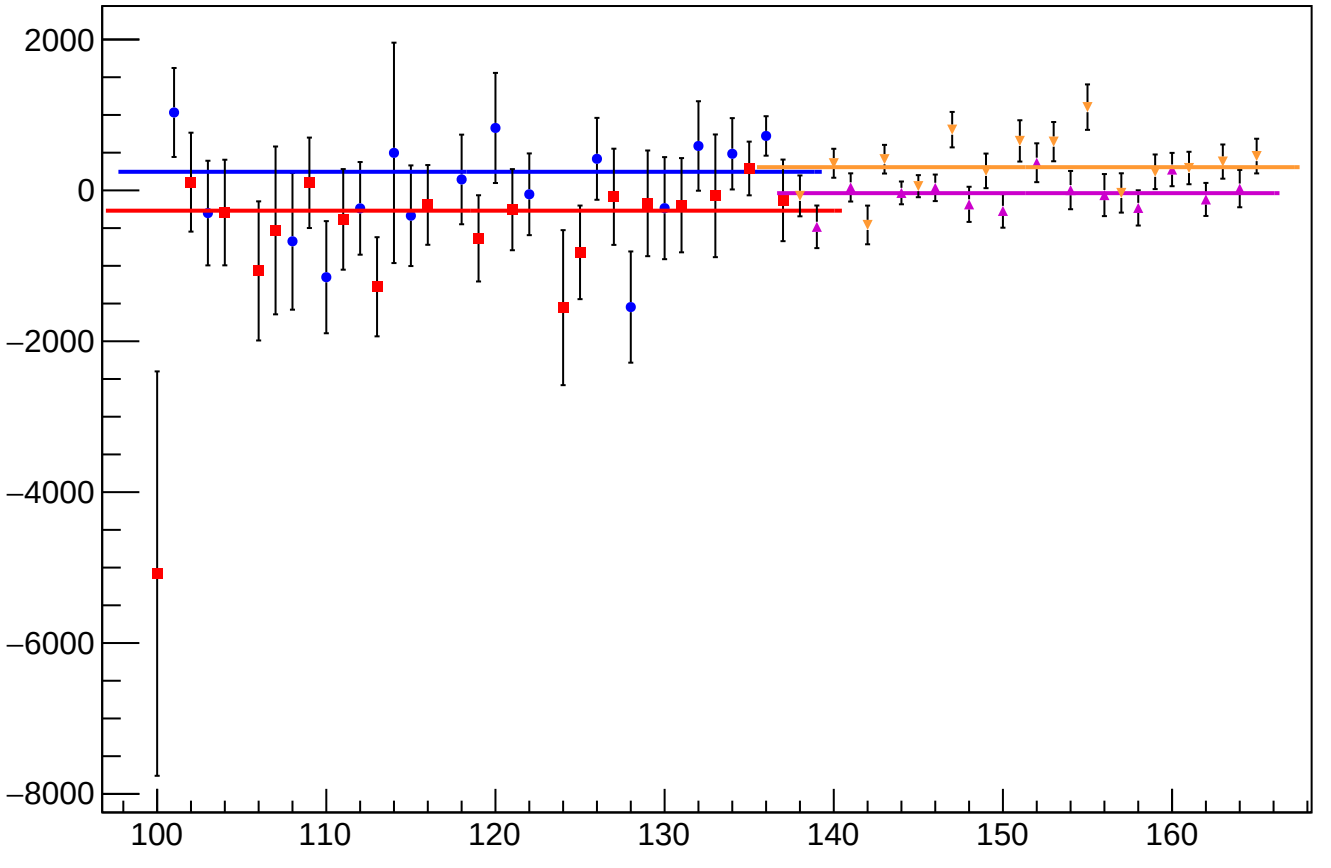
Left: 27.077+/-0.004 χ^2/NDF: 350207.8/27

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.097+/-0.005 χ^2/NDF:1278358.9/28

Out: 29.402+/-0.005 χ^2/NDF:1581212.9/33

All: 29.252+/-0.003 χ^2/NDF: 2861498.4/62



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 307.820+/-57.701 χ^2/NDF:31.4/14

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -36.662+/-60.255 χ^2/NDF:9.7/12

Left: 143.035+/-41.674 χ^2/NDF: 58.2/27

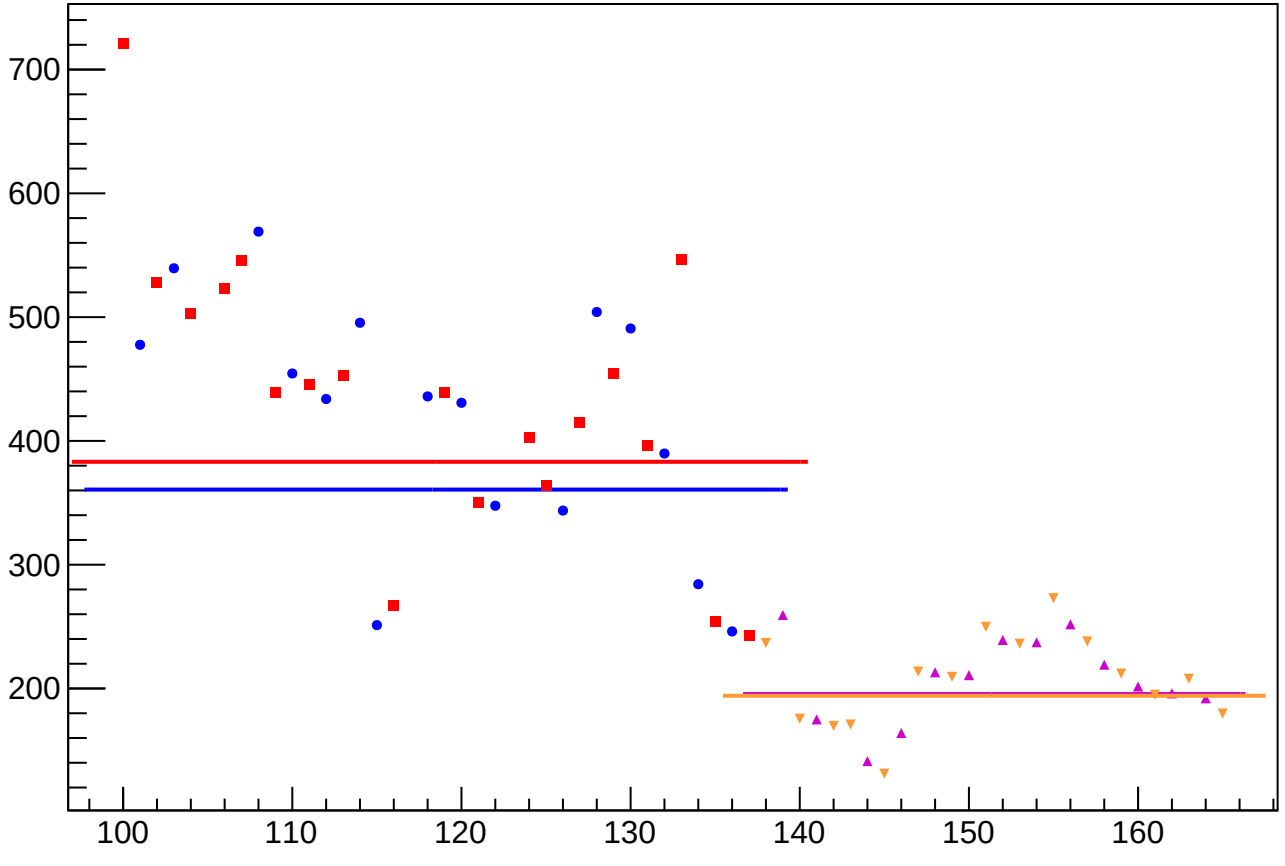
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 7.447+/-55.363 χ^2/NDF:32.9/28

Out: 229.253+/-53.627 χ^2/NDF:57.6/33

All: 121.884+/-38.519 χ^2/NDF: 98.8/62

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: 194.135+/-0.041 χ^2/NDF:865032.1/14

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 195.542+/-0.043 χ^2/NDF:684742.1/12

Left: 194.808+/-0.029 χ^2/NDF: 1550342.6/27

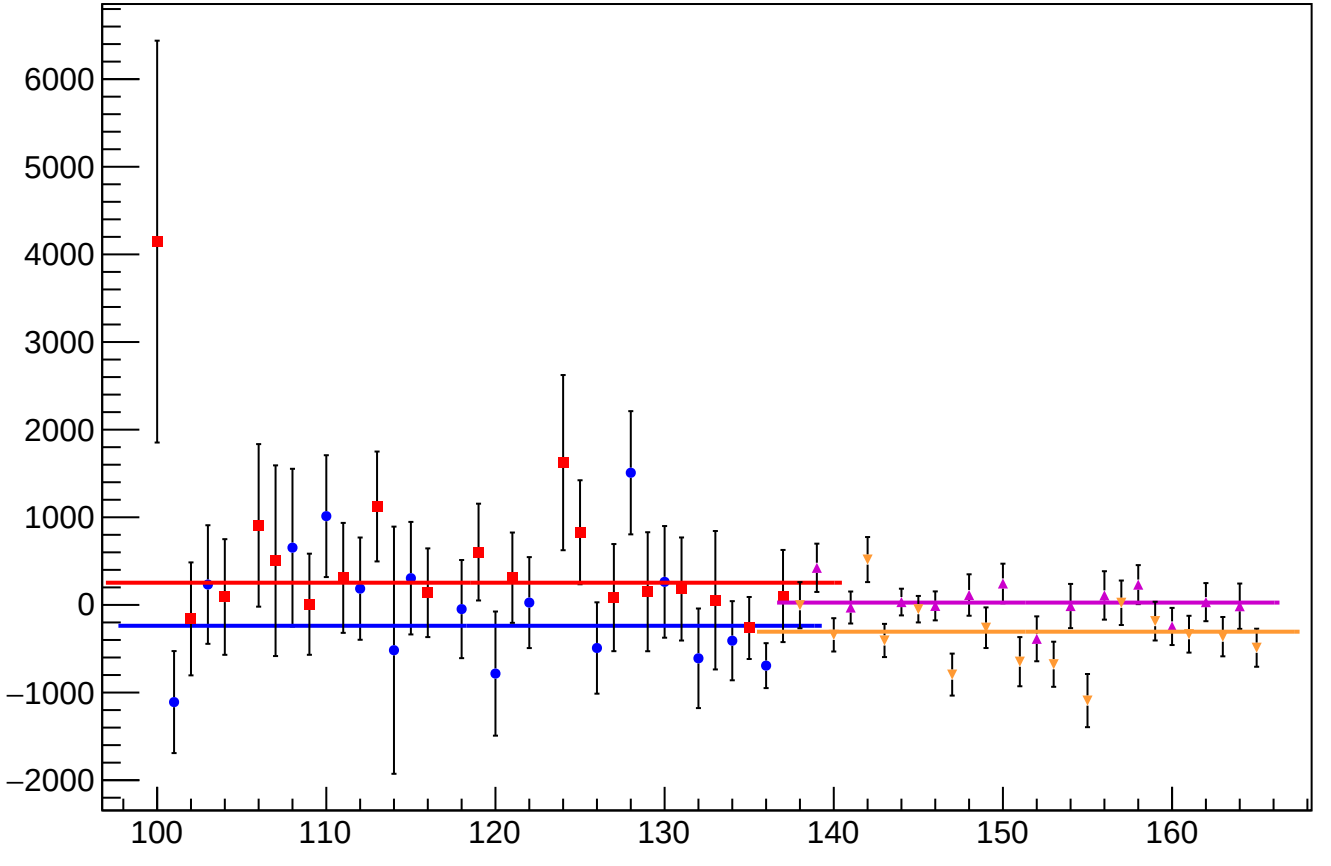
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 221.267+/-0.039 χ^2/NDF:4117882.8/28

Out: 219.882+/-0.038 χ^2/NDF:4751168.0/33

All: 220.552+/-0.027 χ^2/NDF: 8869697.4/62

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -305.512+/-57.422 χ^2/NDF:32.1/14

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 26.486+/-59.445 χ^2/NDF:8.5/12

Left: -145.258+/-41.300 χ^2/NDF: 56.7/27

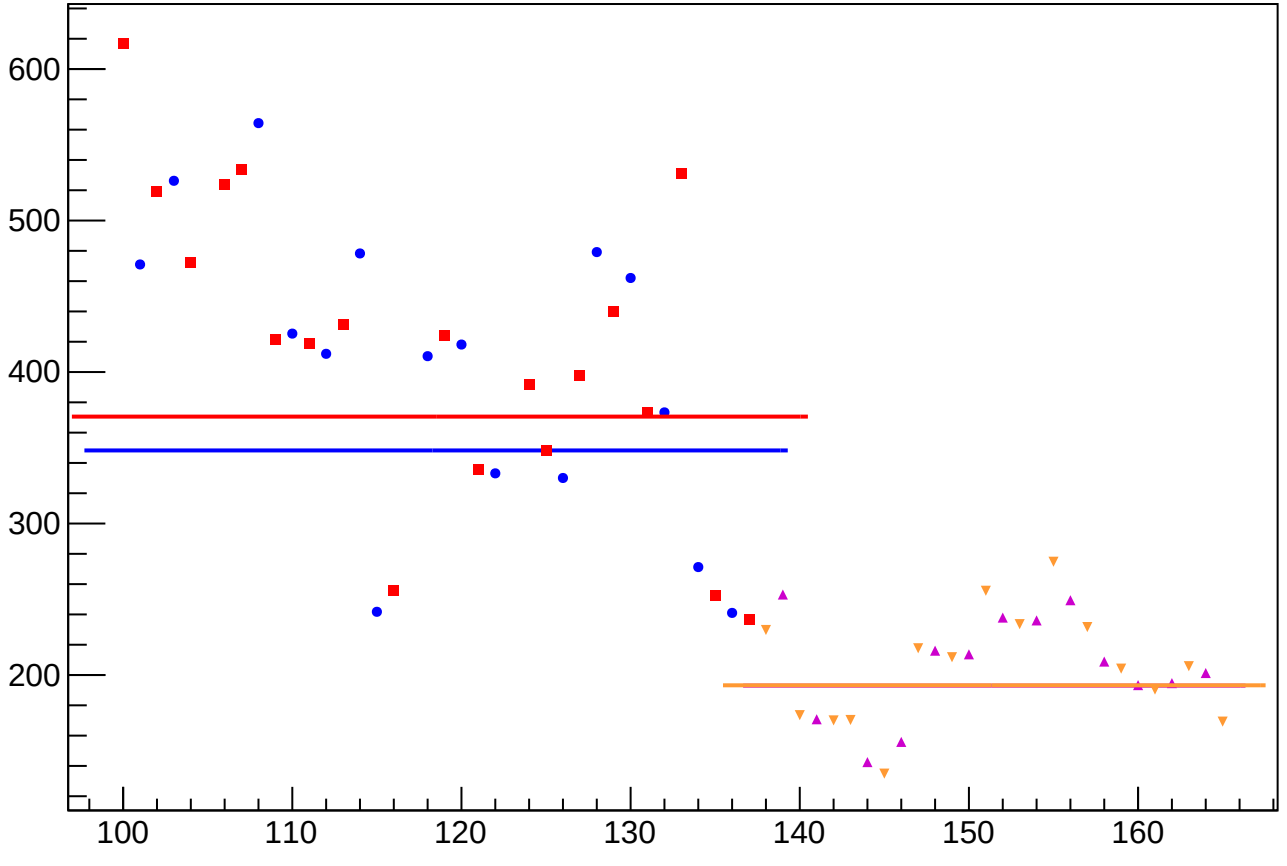
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -16.289+/-54.427 χ^2/NDF:31.7/28

Out: -225.426+/-53.150 χ^2/NDF:57.3/33

All: -123.341+/-38.026 χ^2/NDF: 96.6/62

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 193.219+/-0.041 χ^2/NDF:811077.7/14

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.990+/-0.042 χ^2/NDF:696601.5/12

Left: 193.109+/-0.029 χ^2/NDF: 1507694.6/27

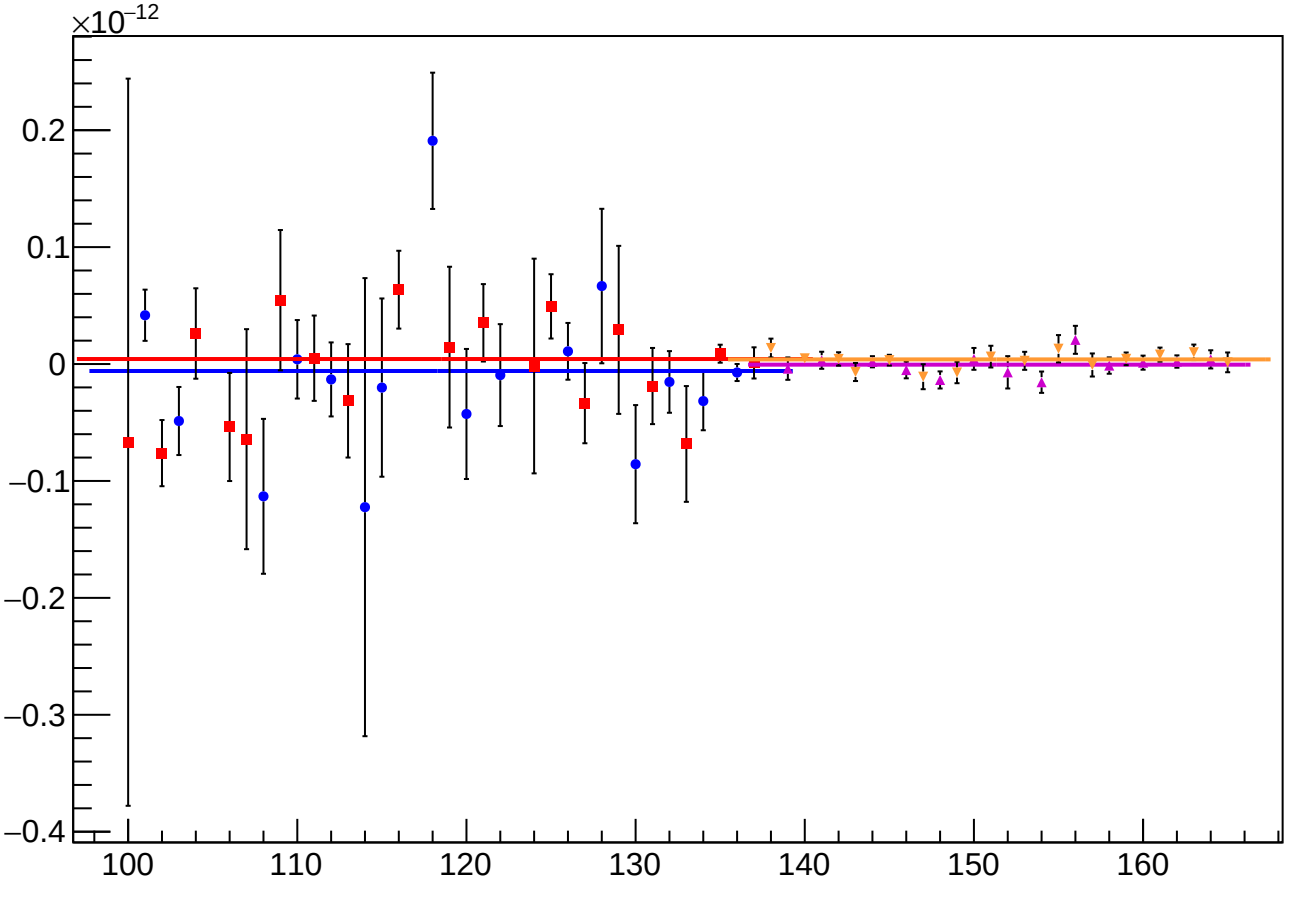
Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 218.097+/-0.038 χ^2/NDF:3959641.3/28

Out: 218.632+/-0.038 χ^2/NDF:4462943.7/33

All: 218.371+/-0.027 χ^2/NDF: 8422683.9/62

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/12

Left: 0.000+/-0.000 χ^2/NDF: 23.4/27

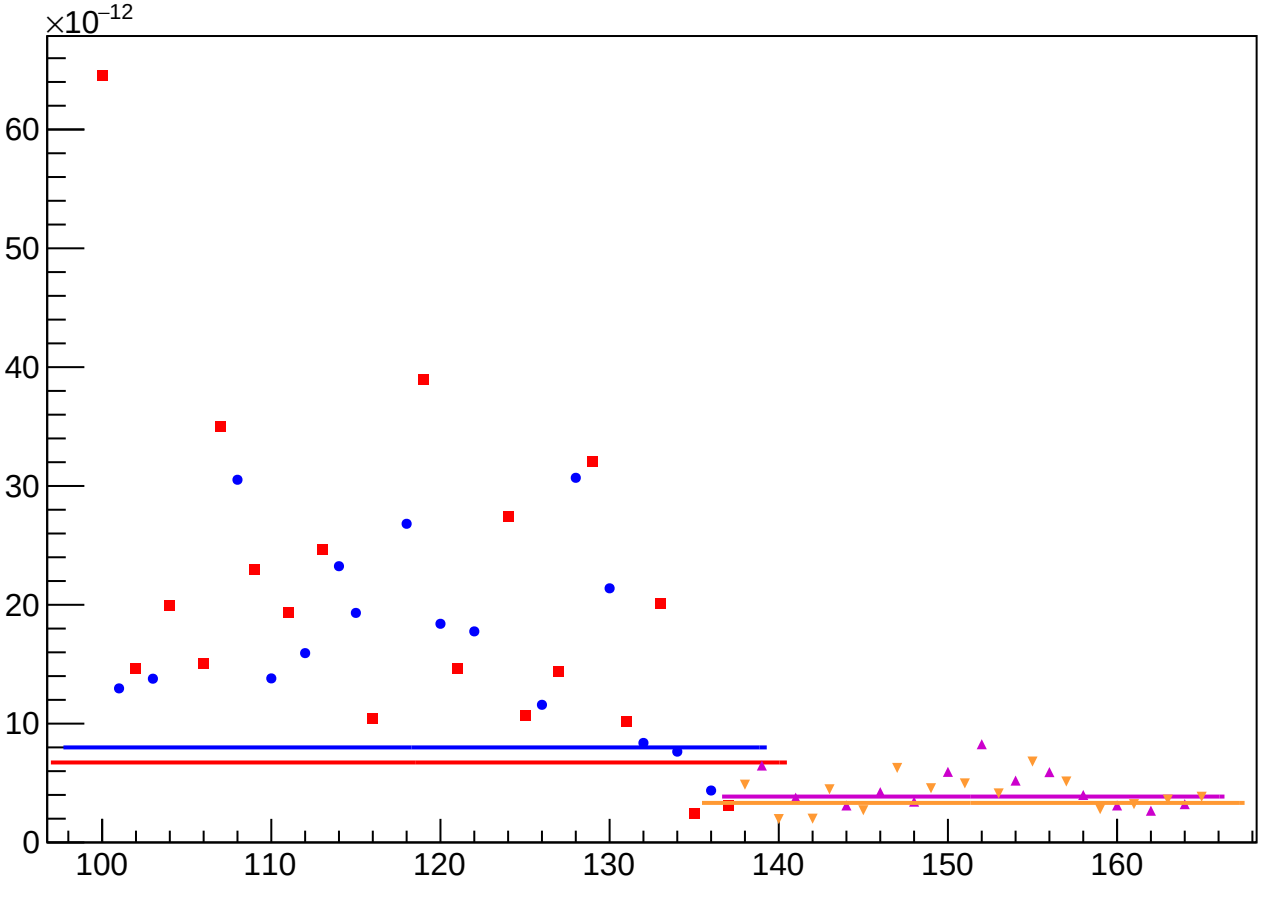
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:39.4/28

Out: 0.000+/-0.000 χ^2/NDF:32.2/33

All: 0.000+/-0.000 χ^2/NDF: 75.8/62

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:1031679.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:761632.0/12

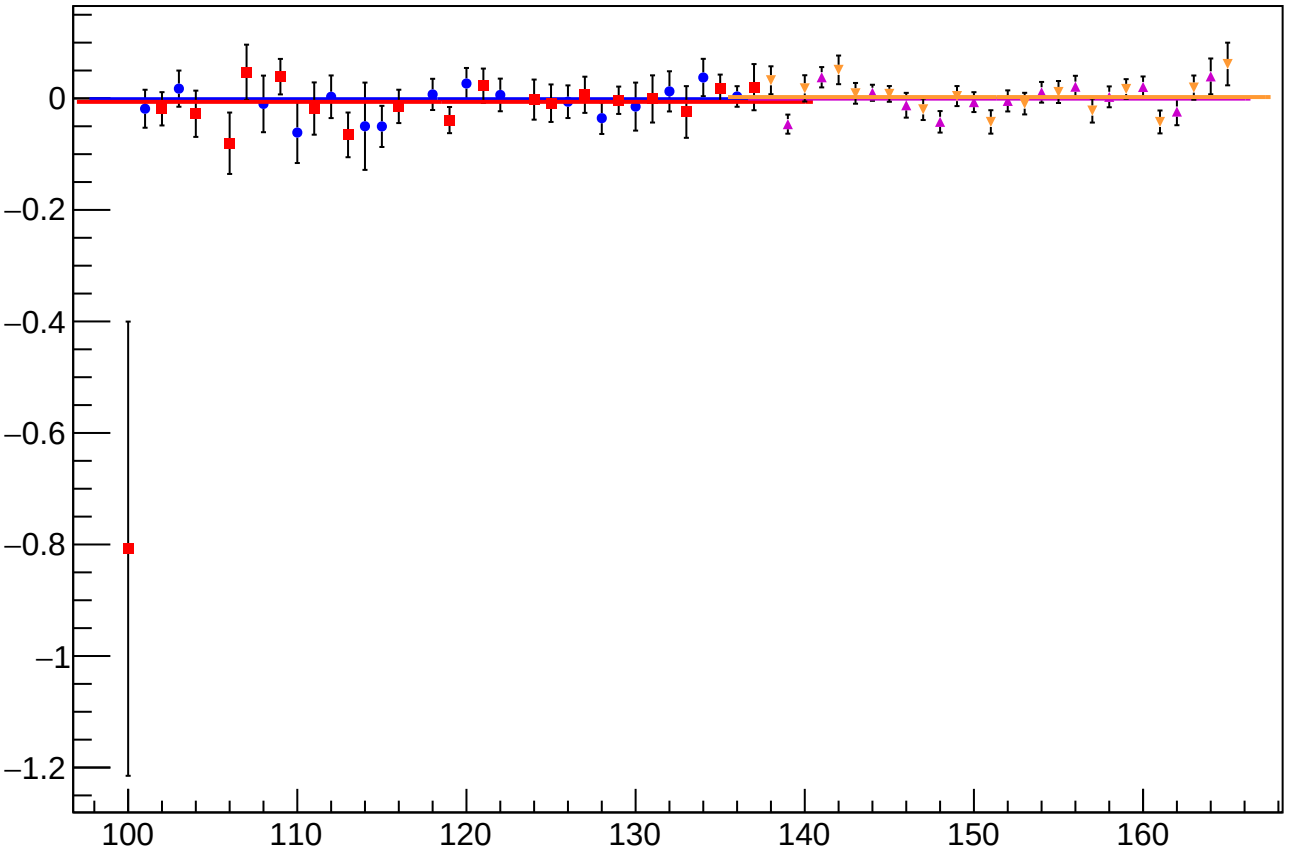
Left: 0.000+/-0.000 χ^2/NDF: 1874390.1/27

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3651833.8/28

Out: 0.000+/-0.000 χ^2/NDF:5094677.0/33

All: 0.000+/-0.000 χ^2/NDF: 8898540.1/62



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

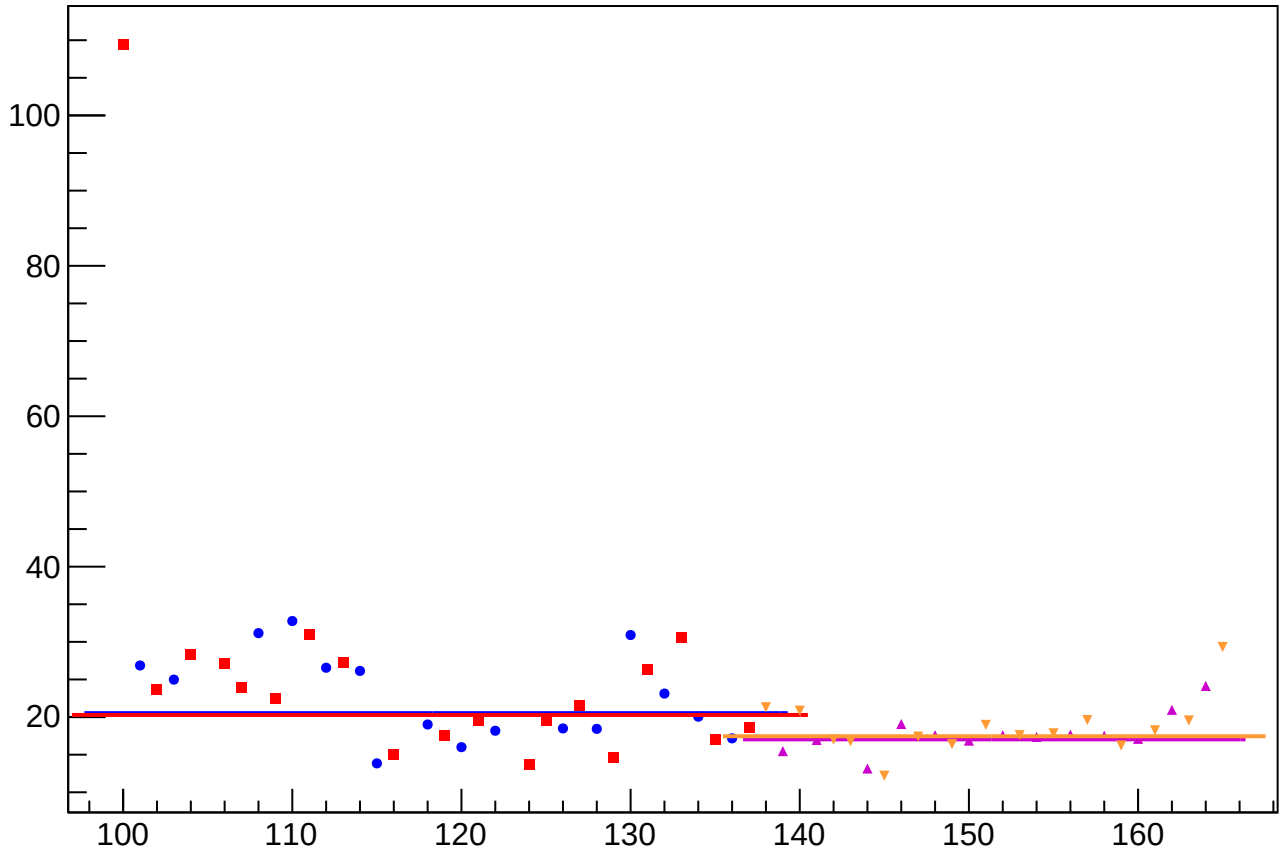
Left: 0.001+/-0.004 χ^2/NDF: 44.6/27

Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.000+/-0.003 χ^2/NDF: 69.8/62



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.450+/-0.004 χ^2/NDF:630497.9/14

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

Left: 17.247+/-0.003 χ^2/NDF: 971869.3/27

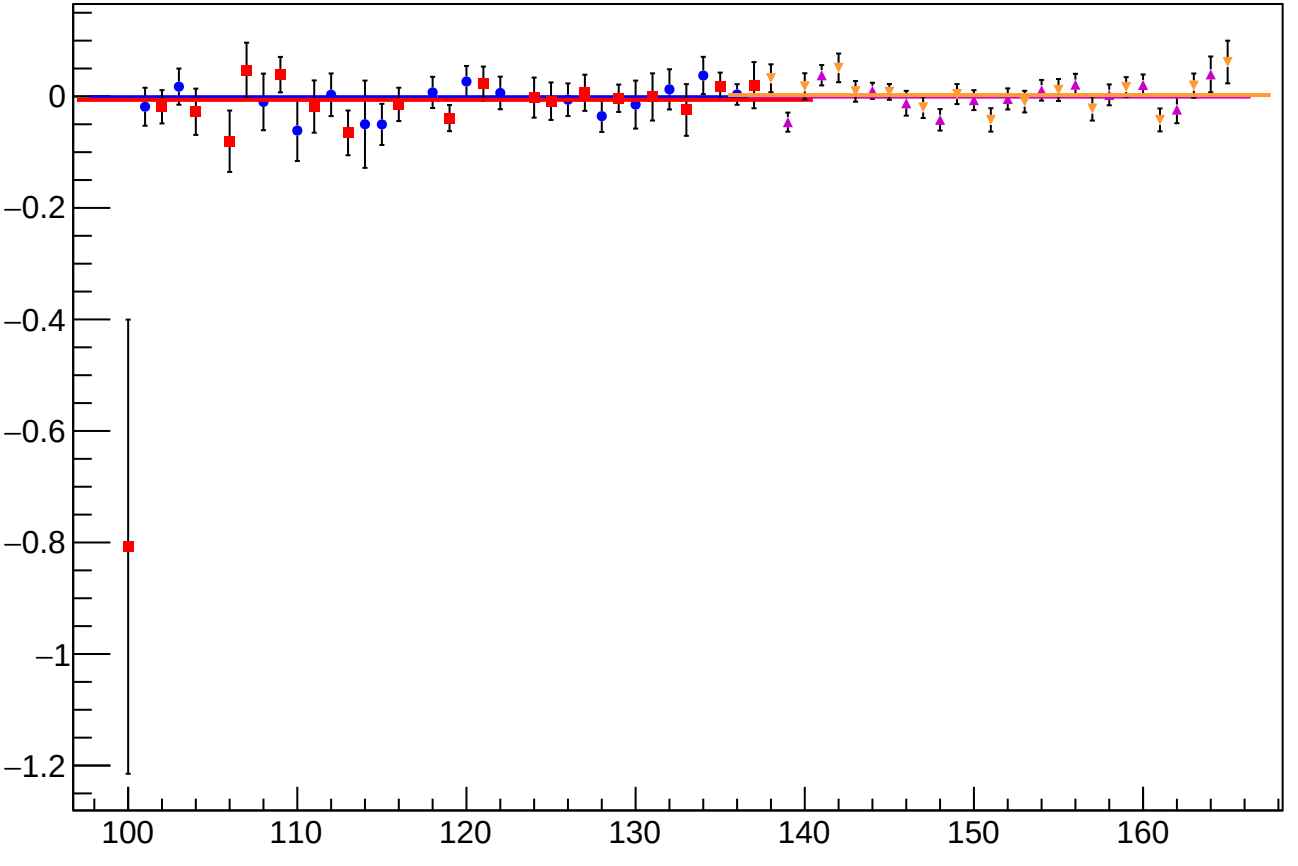
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.086+/-0.003 χ^2/NDF:1302446.8/28

Out: 18.313+/-0.003 χ^2/NDF:1674221.8/33

All: 18.201+/-0.002 χ^2/NDF: 2979346.0/62

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.001+/-0.004 χ^2/NDF: 44.6/27

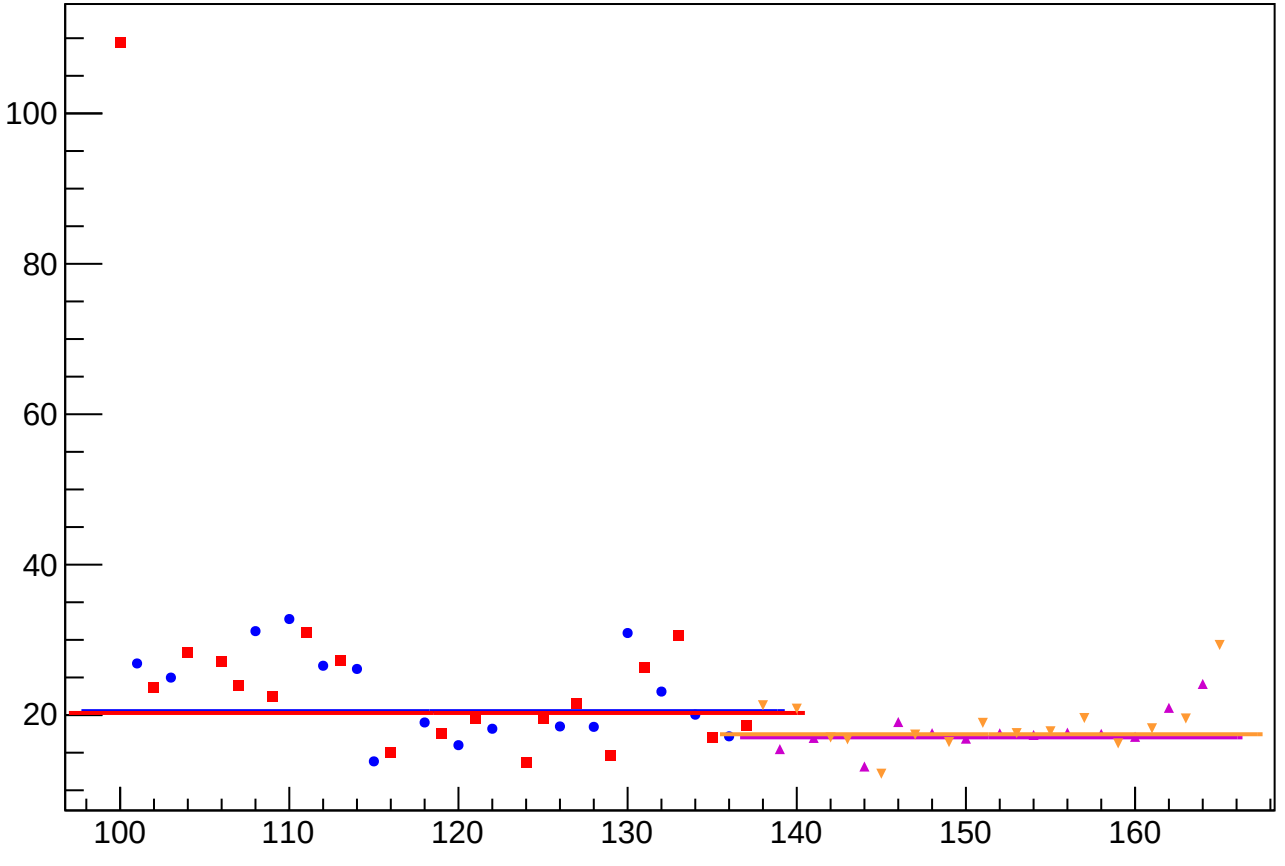
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.000+/-0.003 χ^2/NDF: 69.8/62

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: 17.450+/-0.004 χ^2/NDF:630497.9/14

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

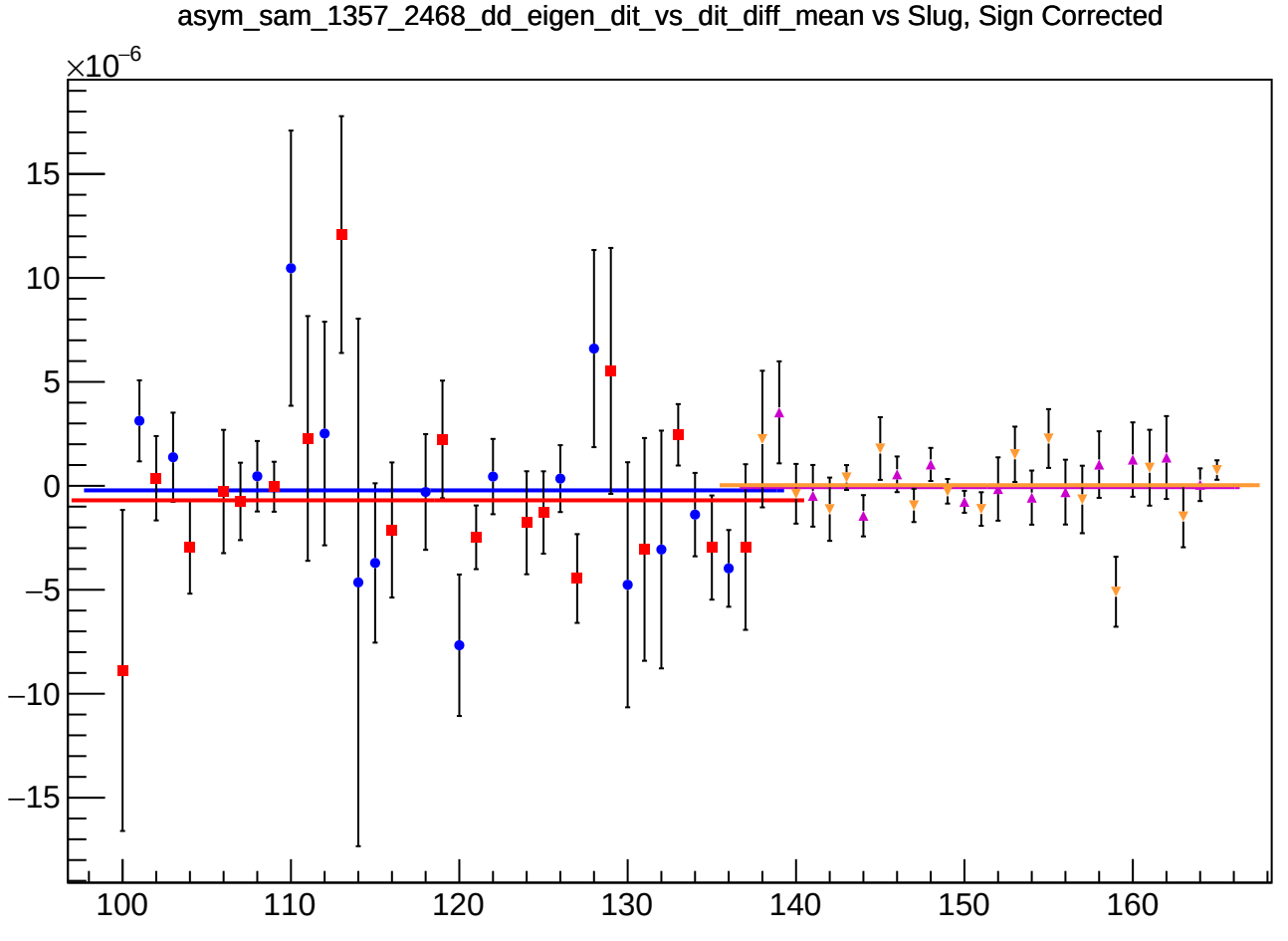
Left: 17.247+/-0.003 χ^2/NDF: 971869.3/27

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.086+/-0.003 χ^2/NDF:1302446.8/28

Out: 18.313+/-0.003 χ^2/NDF:1674221.8/33

All: 18.201+/-0.002 χ^2/NDF: 2979346.0/62



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/12

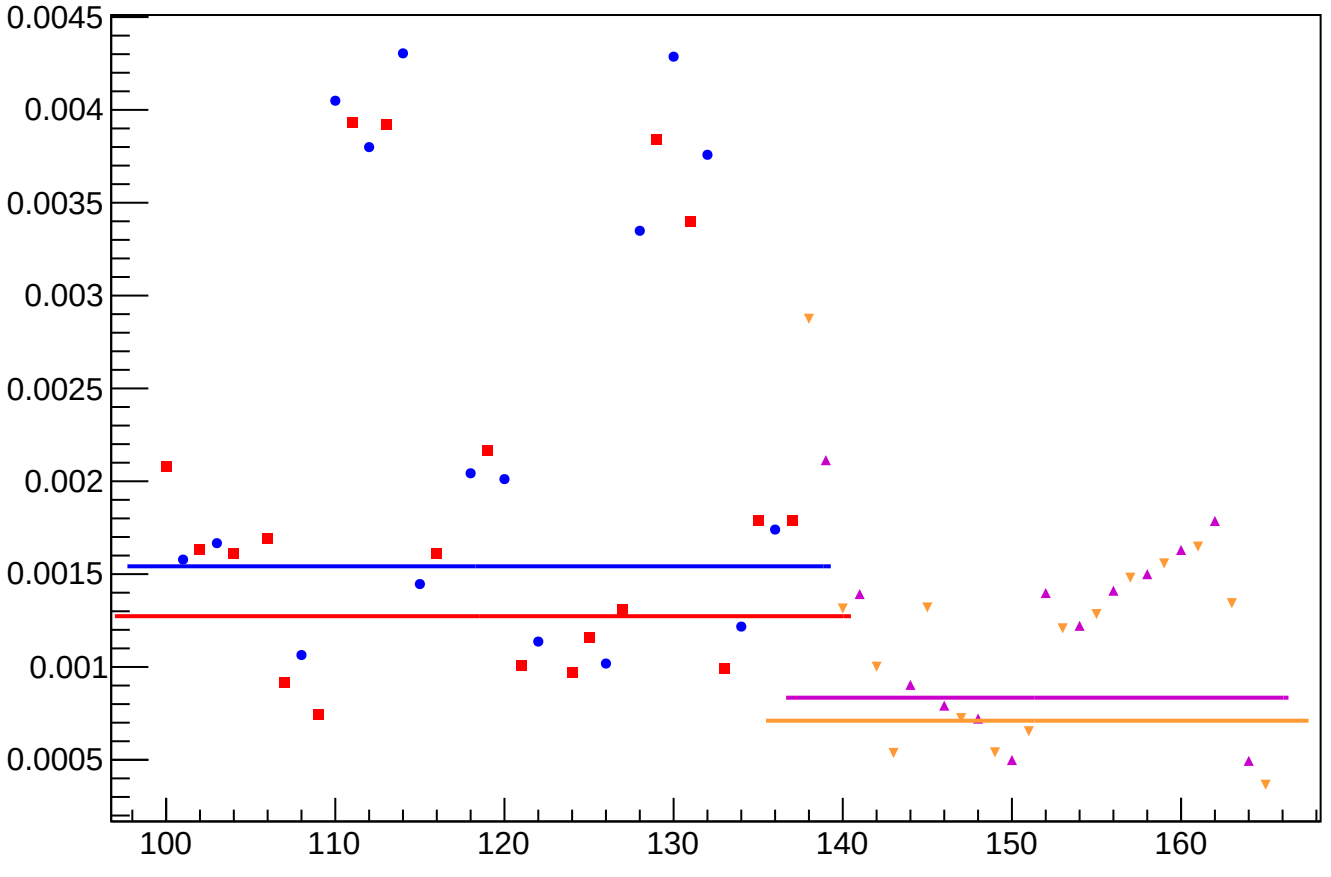
Left: -0.000+/-0.000 χ^2/NDF: 33.6/27

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:30.0/28

Out: -0.000+/-0.000 χ^2/NDF:46.1/33

All: -0.000+/-0.000 χ^2/NDF: 76.1/62



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5515001.8/14

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3986514.4/12

Left: 0.001+/-0.000 χ^2/NDF: 9721059.9/27

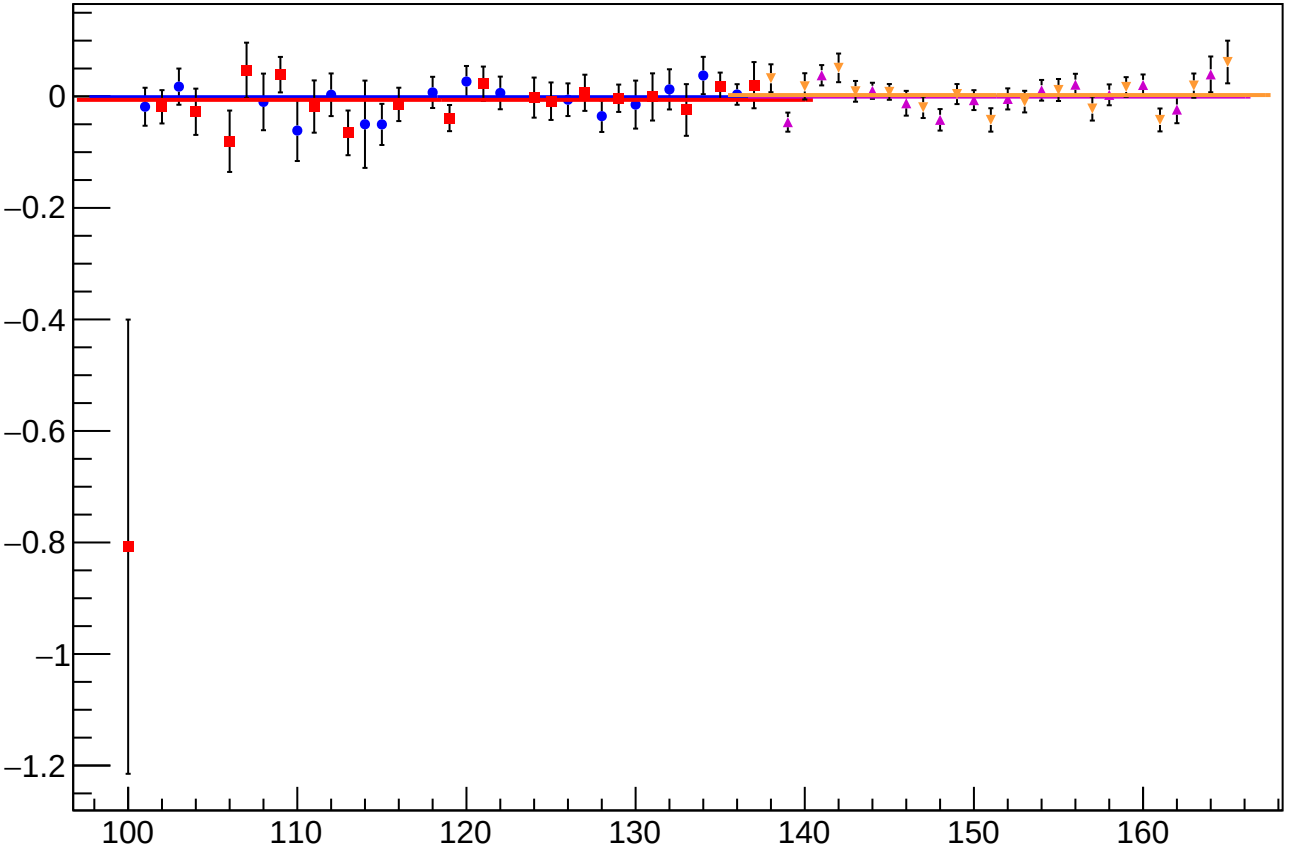
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:8489056.3/28

Out: 0.001+/-0.000 χ^2/NDF:10087397.8/33

All: 0.001+/-0.000 χ^2/NDF: 18951614.7/62

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: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.001+/-0.004 χ^2/NDF: 44.6/27

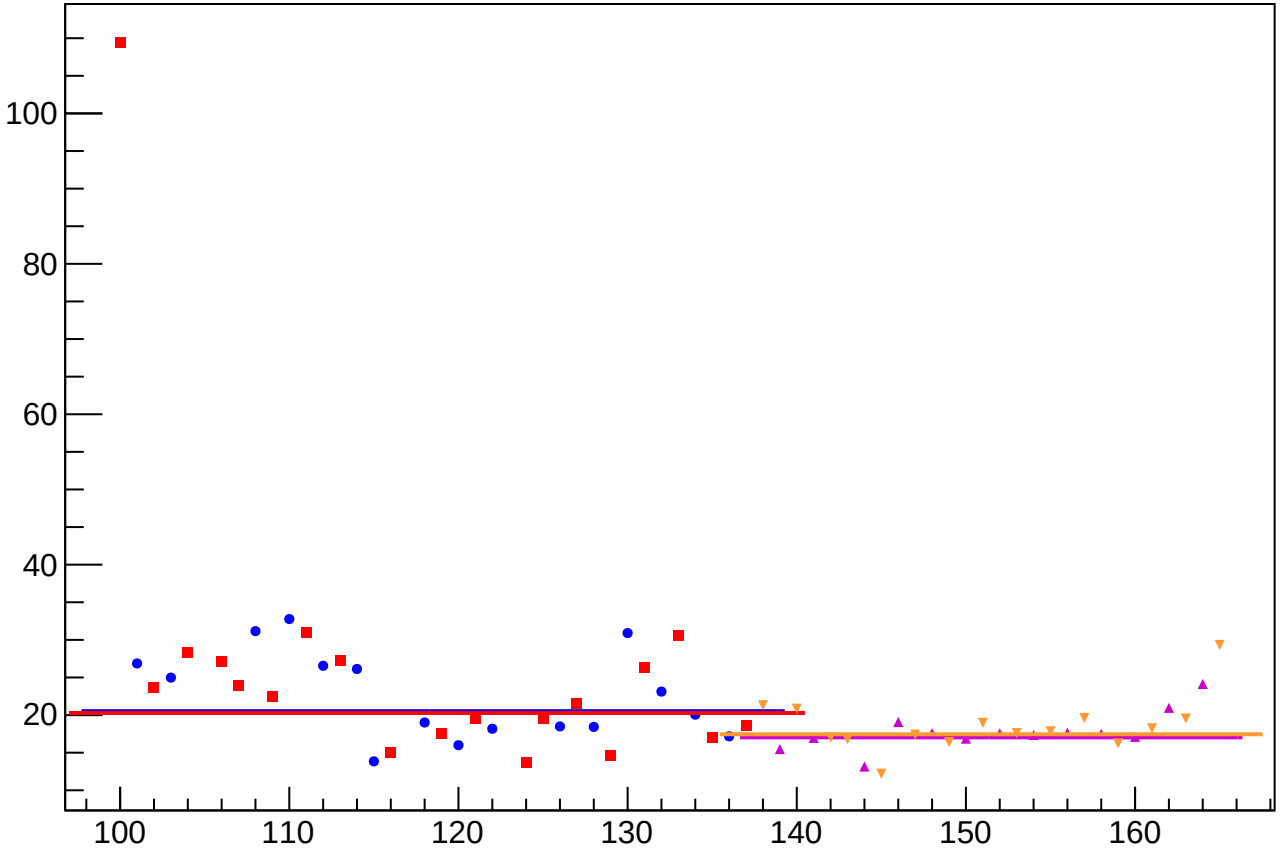
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.000+/-0.003 χ^2/NDF: 69.8/62

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.450+/-0.004 χ^2/NDF:630449.5/14

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

Left: 17.247+/-0.003 χ^2/NDF: 971851.7/27

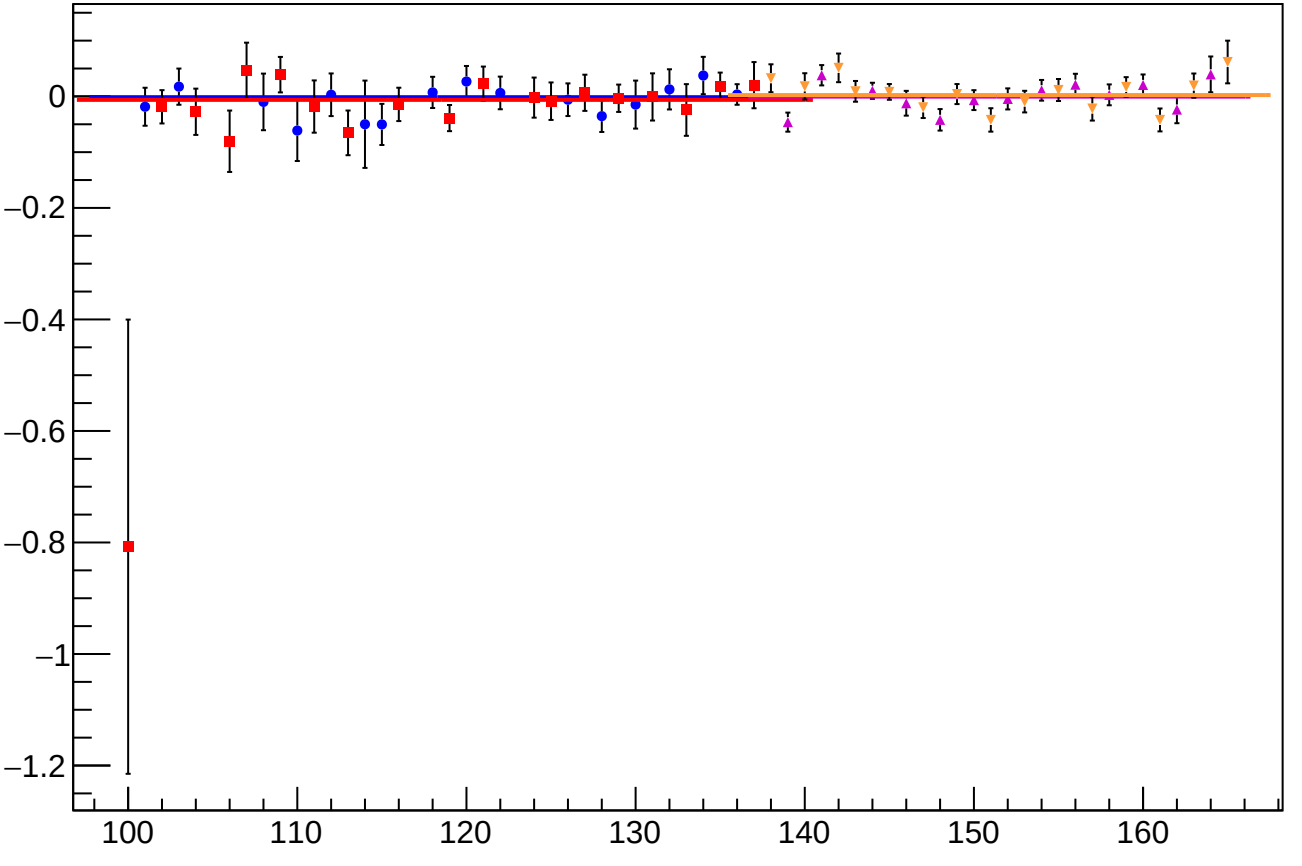
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.086+/-0.003 χ^2/NDF:1302266.2/28

Out: 18.313+/-0.003 χ^2/NDF:1674073.6/33

All: 18.201+/-0.002 χ^2/NDF: 2979018.4/62

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: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.001+/-0.004 χ^2/NDF: 44.6/27

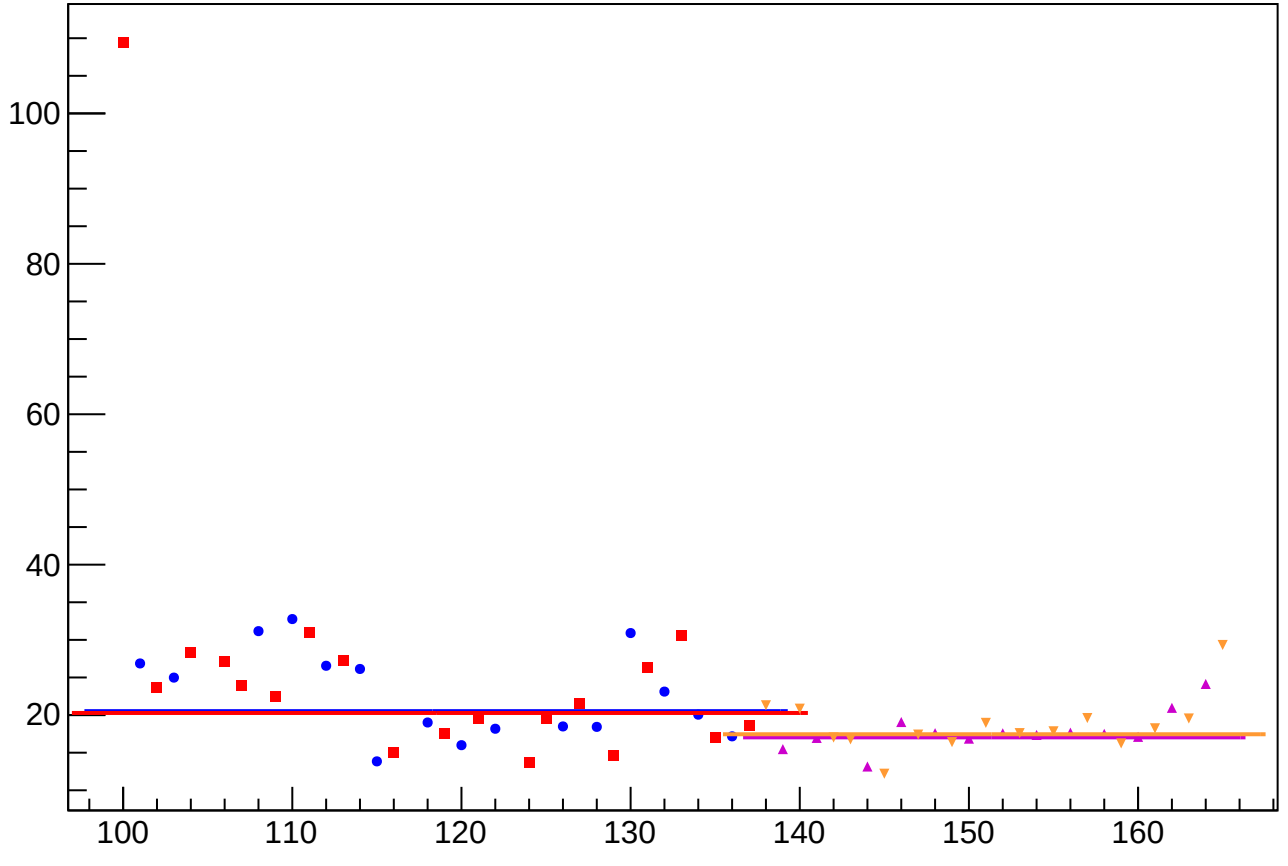
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.000+/-0.003 χ^2/NDF: 69.8/62

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: 17.450+/-0.004 χ^2/NDF:630449.5/14

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

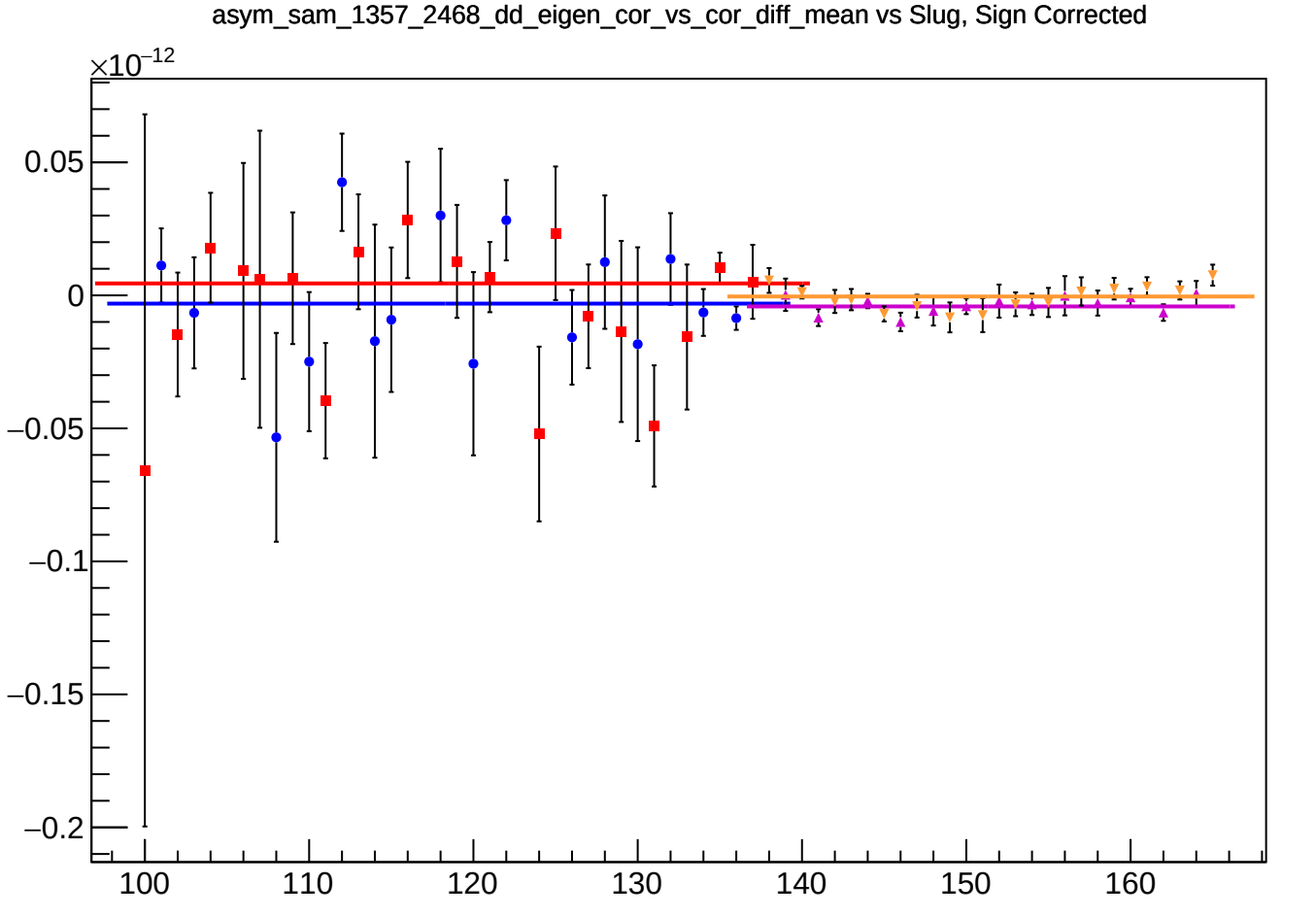
Left: 17.247+/-0.003 χ^2/NDF: 971851.7/27

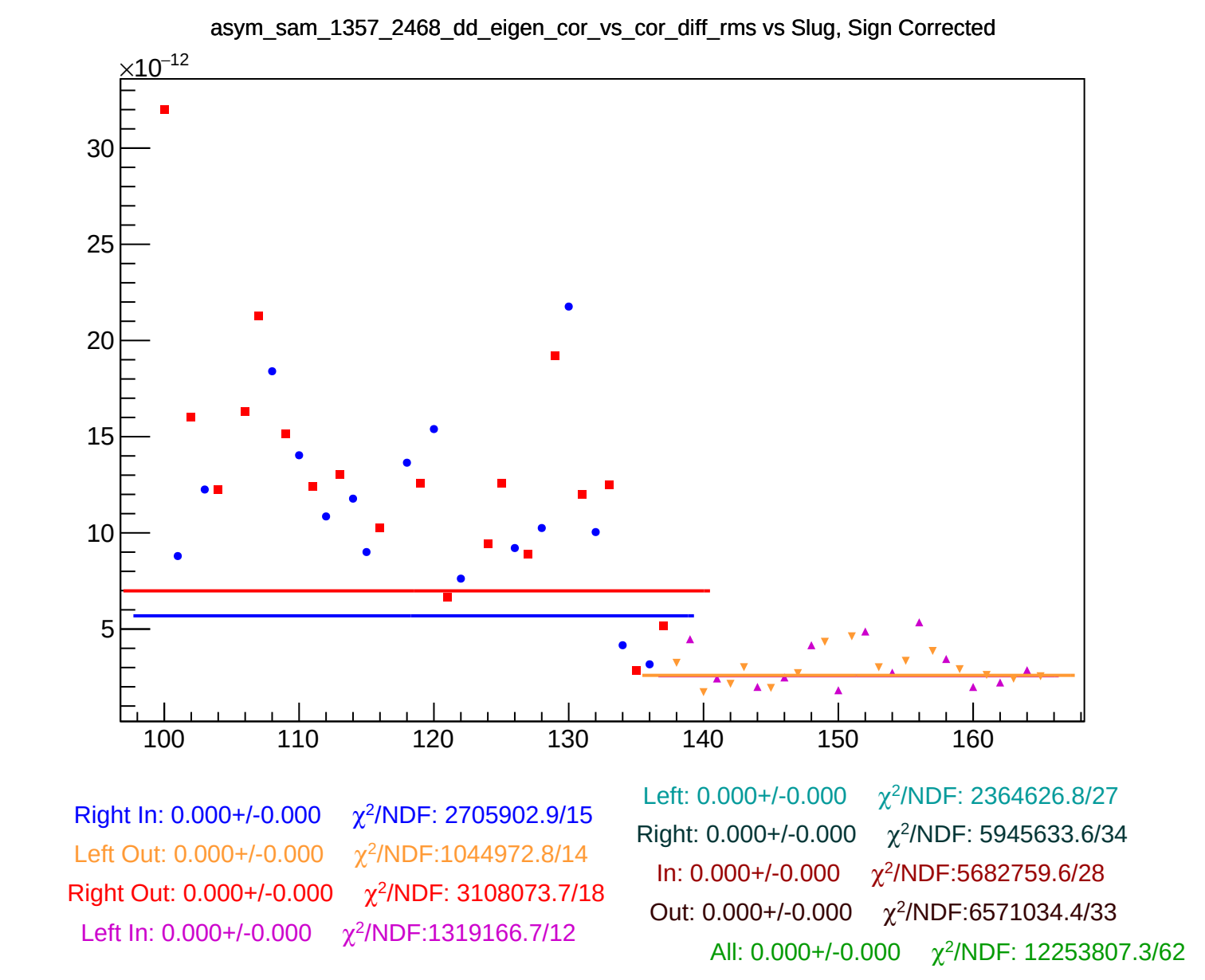
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

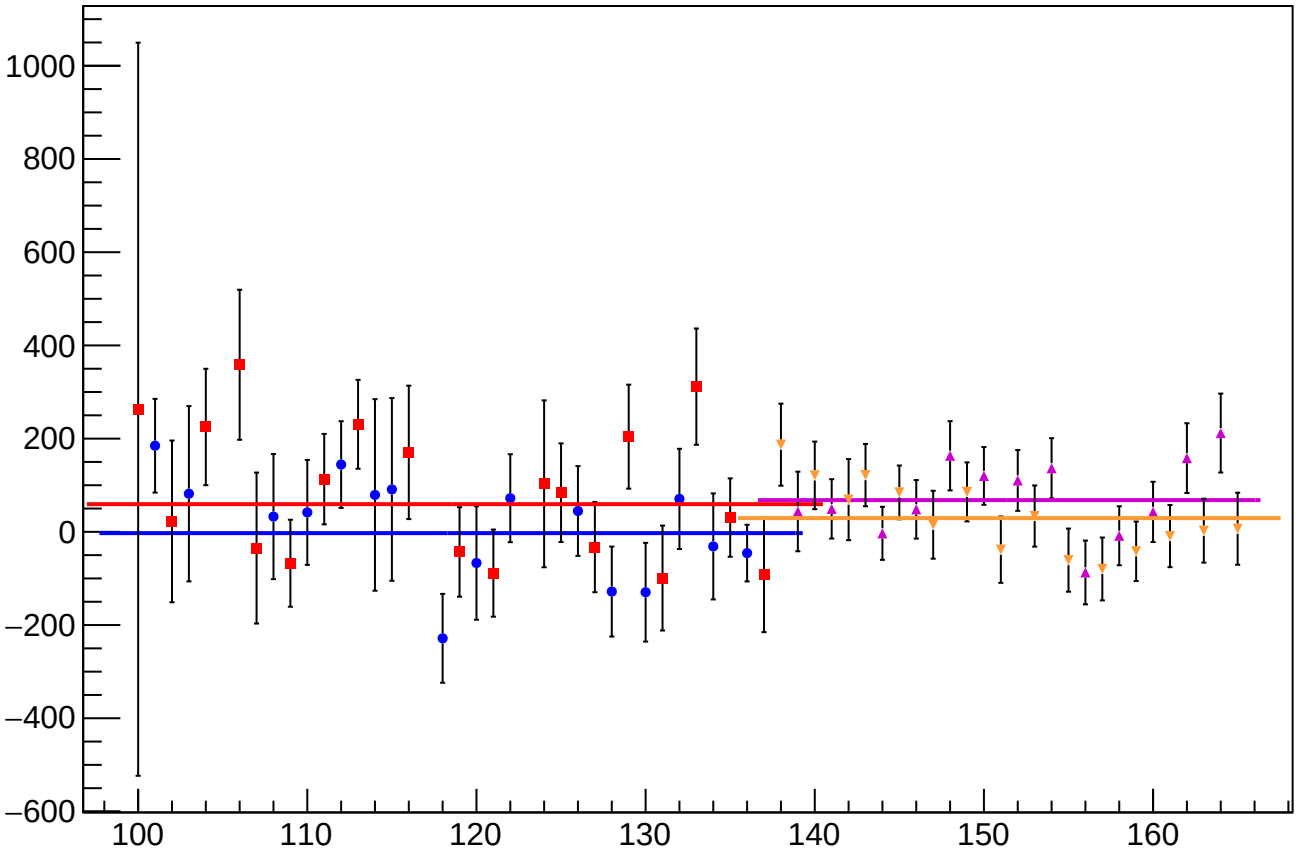
In: 18.086+/-0.003 χ^2/NDF:1302266.2/28

Out: 18.313+/-0.003 χ^2/NDF:1674073.6/33

All: 18.201+/-0.002 χ^2/NDF: 2979018.4/62


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 18.6/18
Left In: -0.000+/-0.000 χ²/NDF:9.0/12
Left: -0.000+/-0.000 χ²/NDF: 34.1/27
Right: 0.000+/-0.000 χ²/NDF: 40.8/34
In: -0.000+/-0.000 χ²/NDF:29.1/28
Out: -0.000+/-0.000 χ²/NDF:38.7/33
All: -0.000+/-0.000 χ²/NDF: 75.7/62


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1044972.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1319166.7/12
Left: 0.000+/-0.000 χ²/NDF: 2364626.8/27
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5682759.6/28
Out: 0.000+/-0.000 χ²/NDF:6571034.4/33
All: 0.000+/-0.000 χ²/NDF: 12253807.3/62



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.462+/-17.875 χ^2/NDF:15.8/14

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 68.048+/-18.624 χ^2/NDF:16.8/12

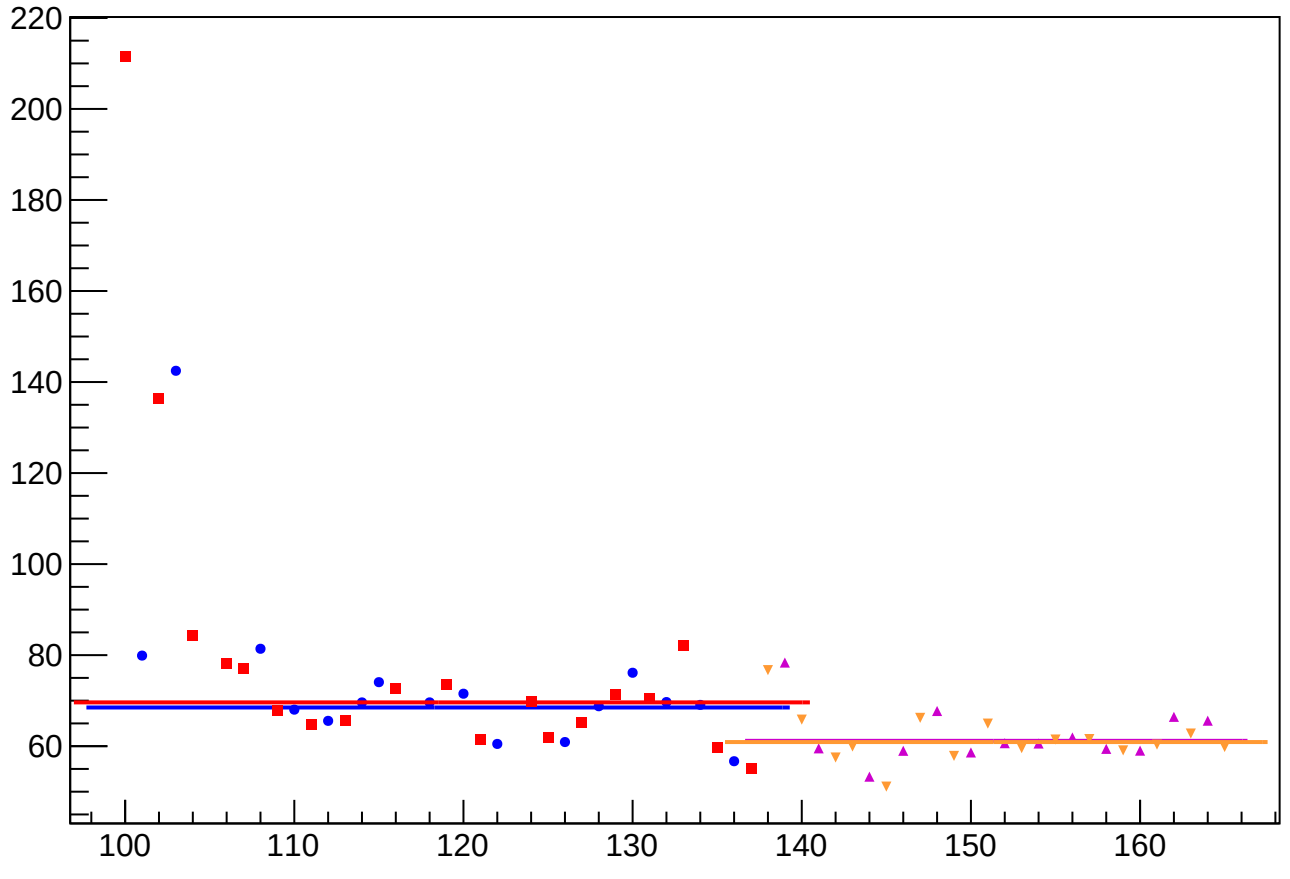
Left: 47.962+/-12.896 χ^2/NDF: 34.8/27

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 44.292+/-15.182 χ^2/NDF:39.4/28

Out: 38.865+/-14.798 χ^2/NDF:42.4/33

All: 41.509+/-10.597 χ^2/NDF: 81.8/62



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

Left: 61.032+/-0.009 χ^2/NDF: 323318.2/27

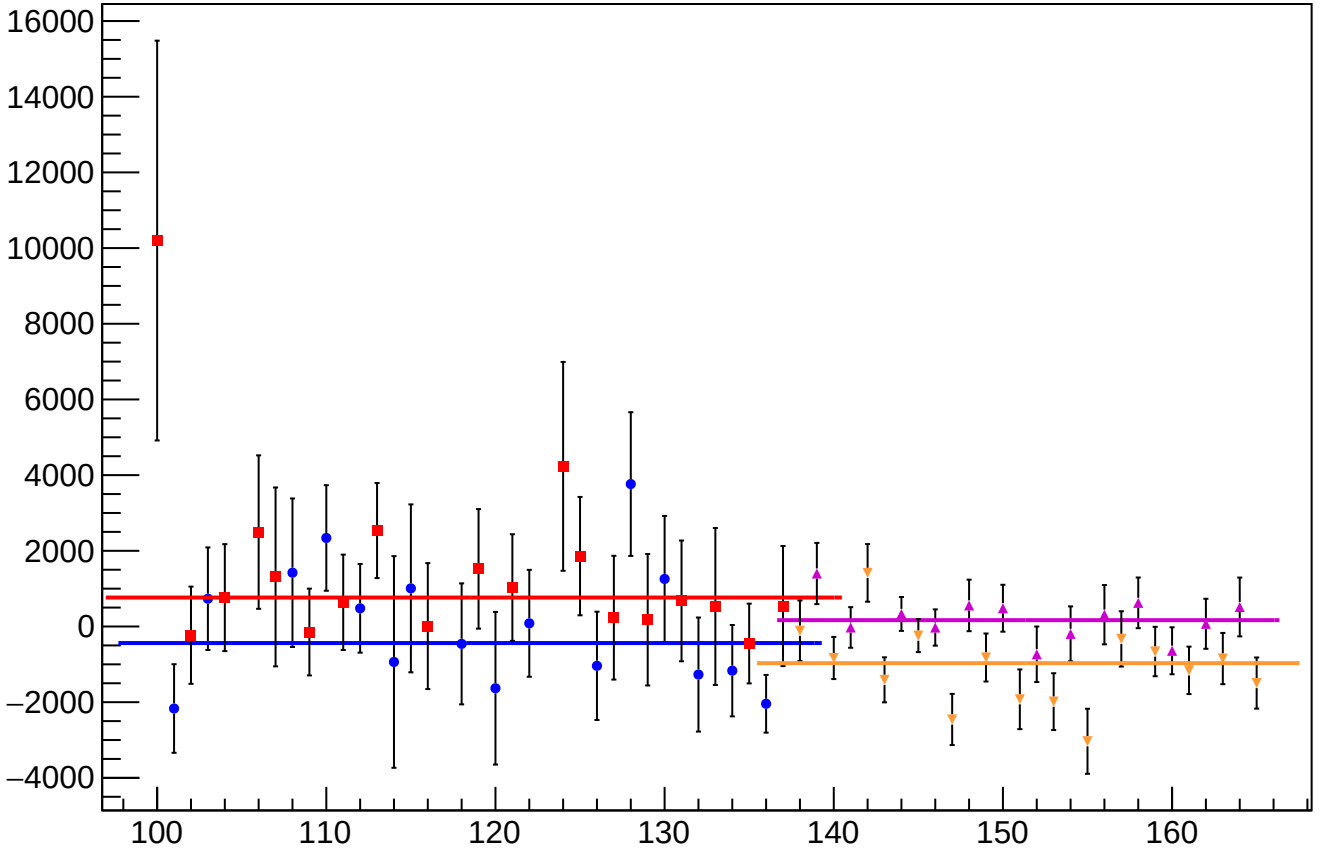
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.629+/-0.011 χ^2/NDF:737516.9/28

Out: 63.647+/-0.010 χ^2/NDF:831288.2/33

All: 63.638+/-0.007 χ^2/NDF: 1568806.6/62

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: -968.506+/-168.721 χ^2/NDF:30.0/14

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 167.436+/-173.374 χ^2/NDF:7.5/12

Left: -415.983+/-120.915 χ^2/NDF: 59.6/27

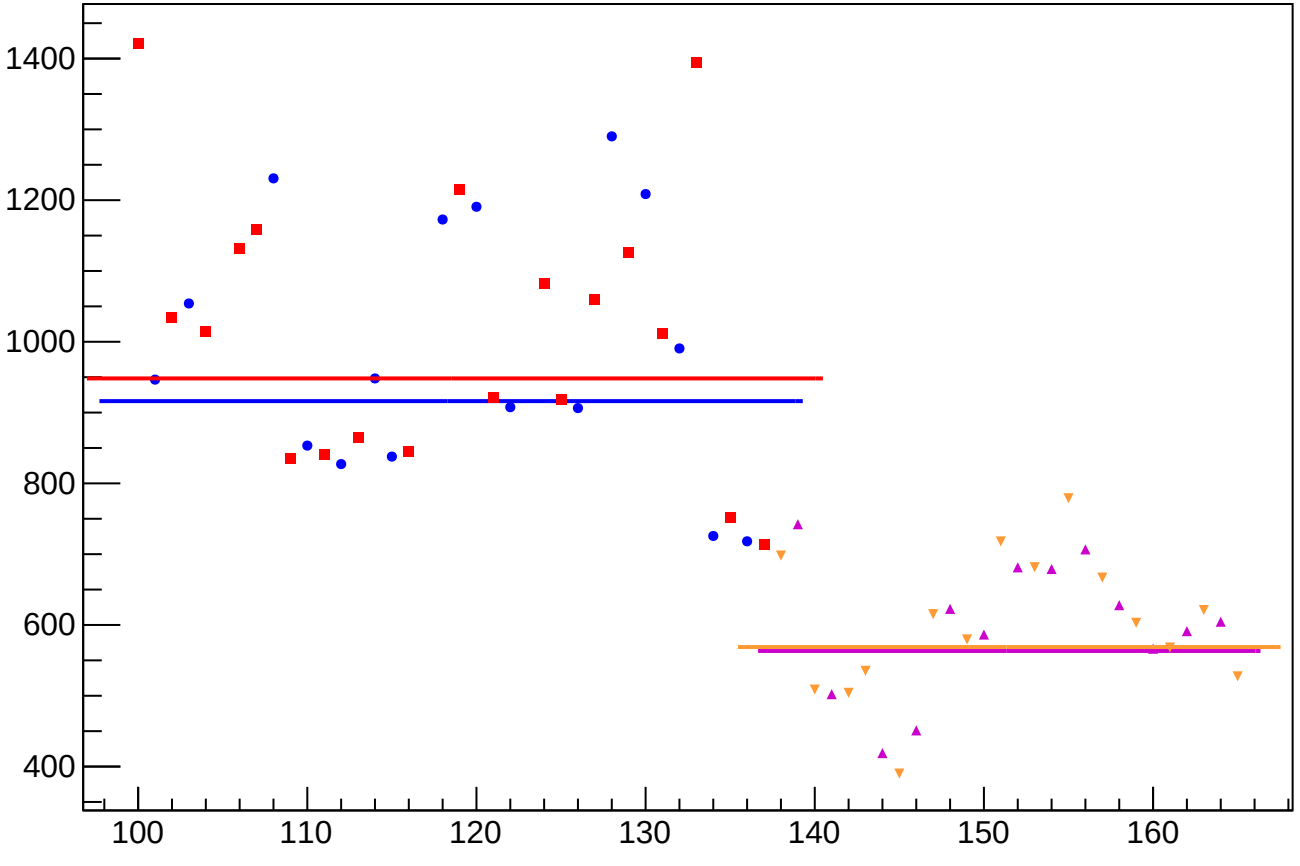
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 47.642+/-155.260 χ^2/NDF:30.5/28

Out: -646.148+/-152.231 χ^2/NDF:61.0/33

All: -306.087+/-108.698 χ^2/NDF: 101.6/62

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: 568.825+/-0.119 χ^2/NDF:738994.7/14

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 563.315+/-0.123 χ^2/NDF:656890.5/12

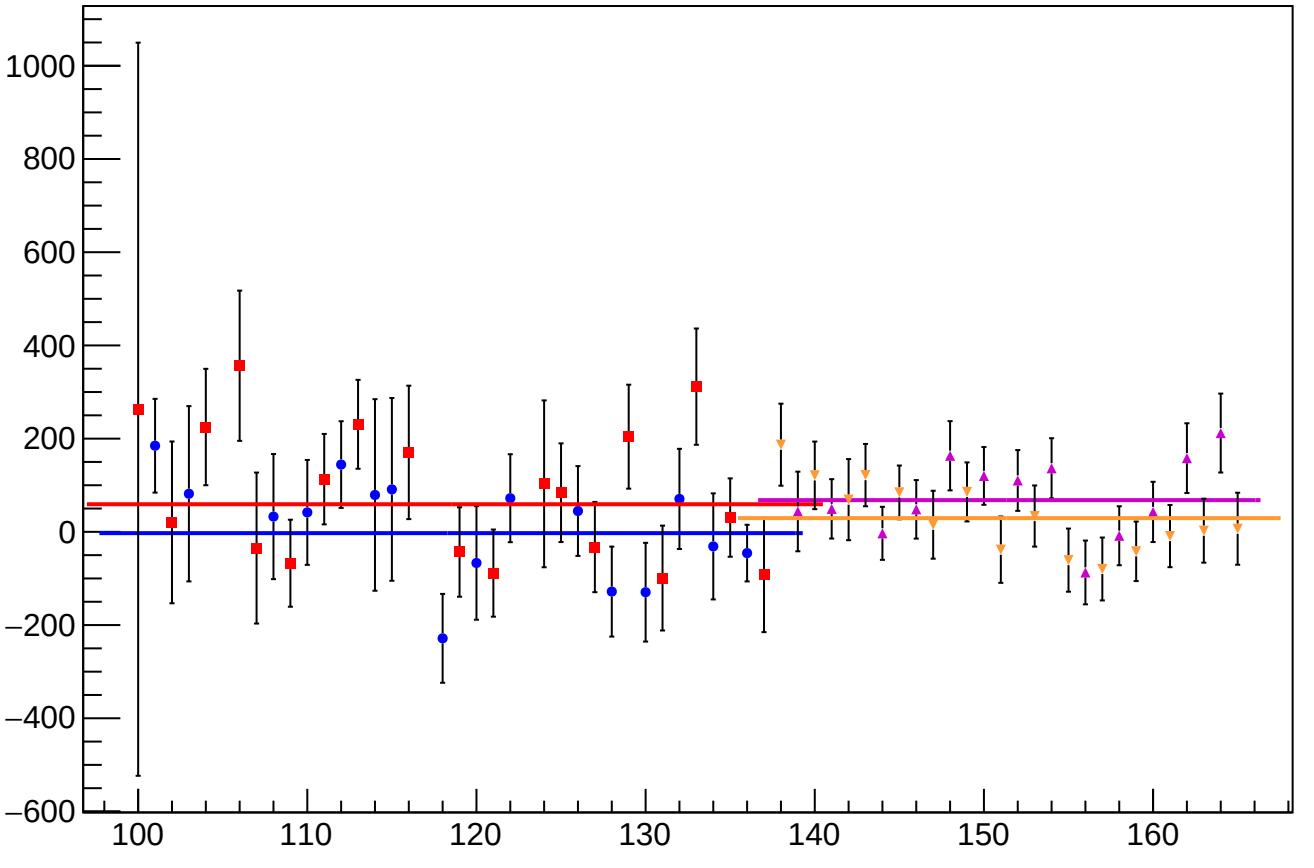
Left: 566.145+/-0.086 χ^2/NDF: 1396923.0/27

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 633.197+/-0.110 χ^2/NDF:2806690.9/28

Out: 639.366+/-0.108 χ^2/NDF:3034527.5/33

All: 636.342+/-0.077 χ^2/NDF: 5842828.1/62



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.465+/-17.875 χ^2/NDF:15.8/14

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 68.048+/-18.624 χ^2/NDF:16.8/12

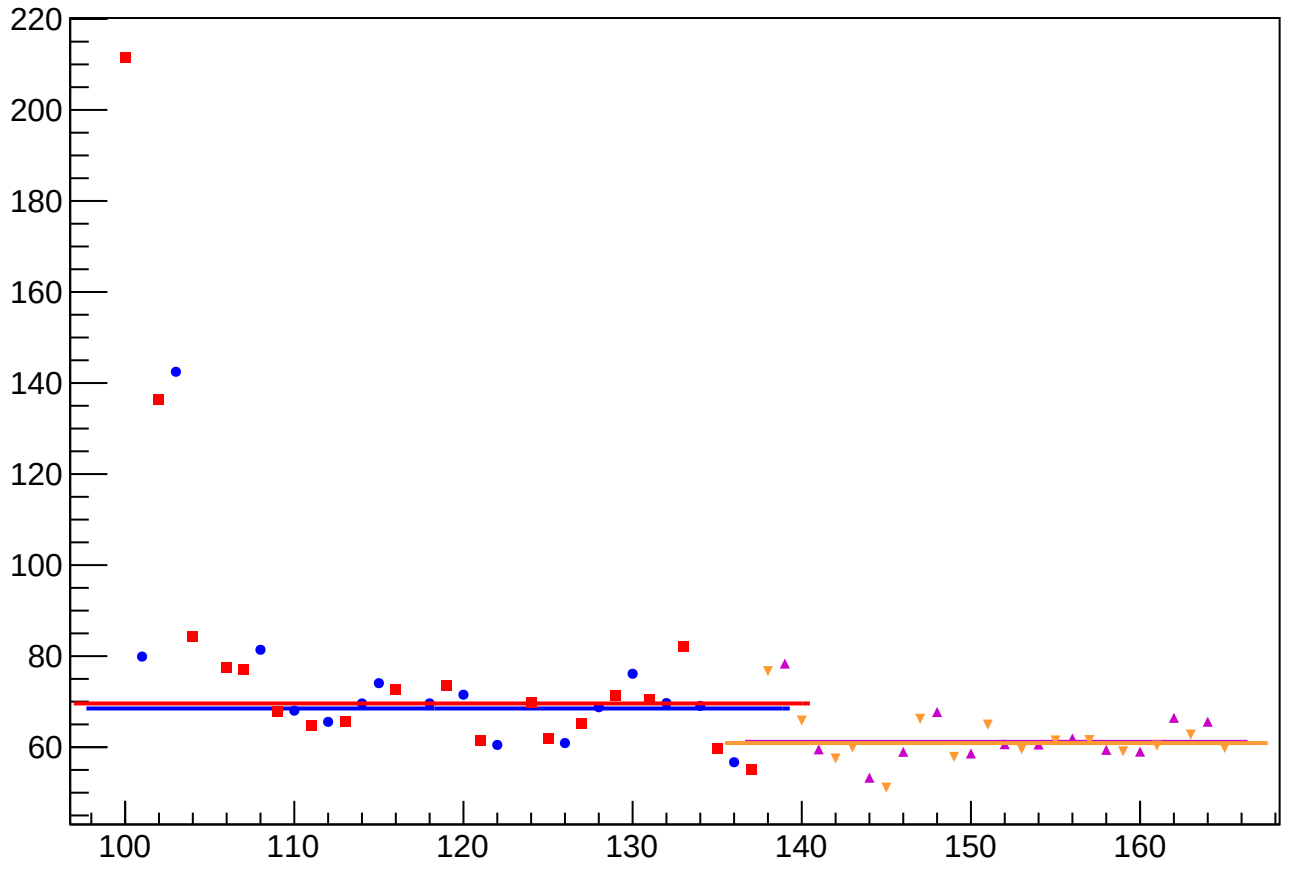
Left: 47.964+/-12.896 χ^2/NDF: 34.8/27

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 44.290+/-15.182 χ^2/NDF:39.4/28

Out: 38.828+/-14.798 χ^2/NDF:42.3/33

All: 41.489+/-10.597 χ^2/NDF: 81.7/62



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

Left: 61.032+/-0.009 χ^2/NDF: 323318.2/27

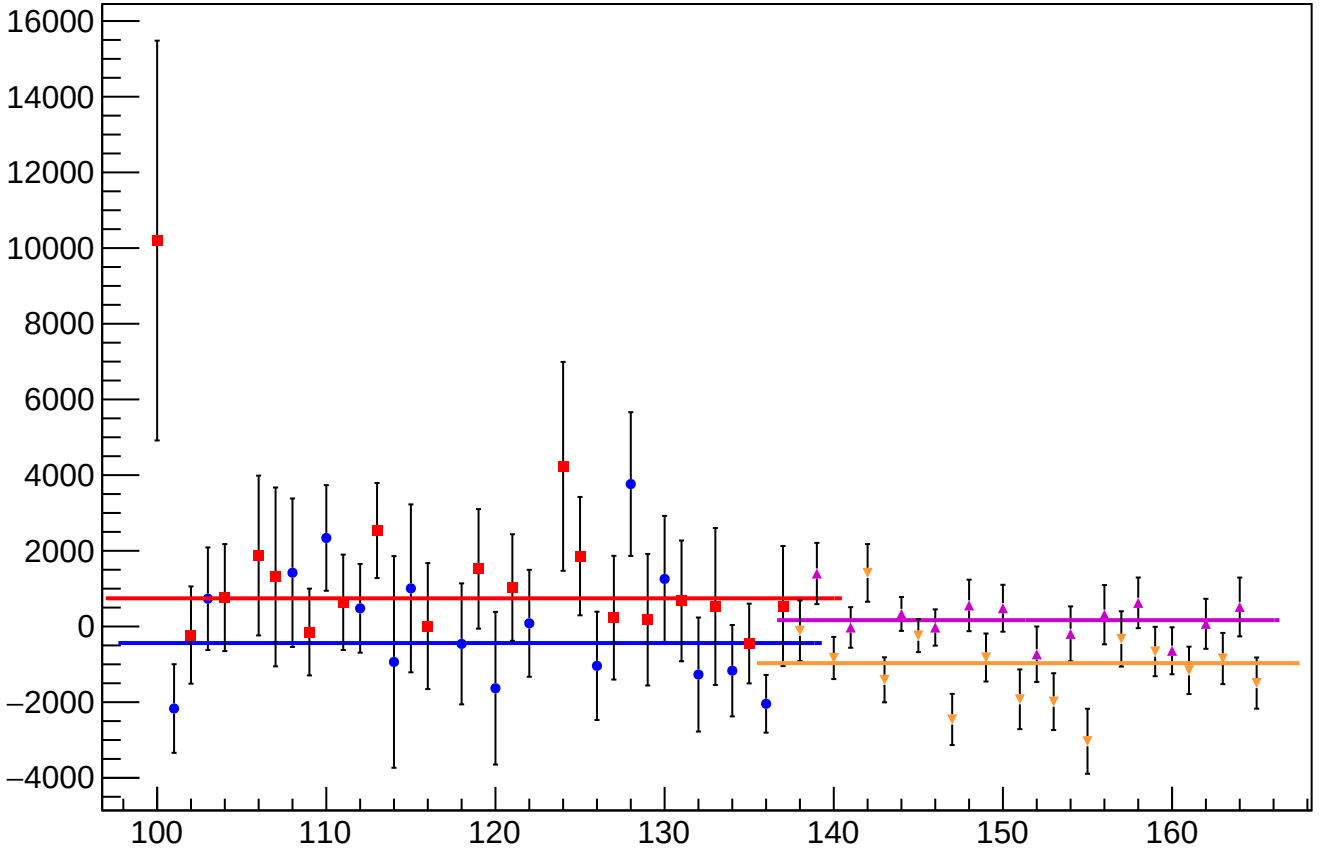
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.629+/-0.011 χ^2/NDF:737519.8/28

Out: 63.641+/-0.010 χ^2/NDF:830004.8/33

All: 63.635+/-0.007 χ^2/NDF: 1567525.3/62

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: -968.502+/-168.721 χ^2/NDF:30.0/14

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 167.439+/-173.374 χ^2/NDF:7.5/12

Left: -415.980+/-120.915 χ^2/NDF: 59.6/27

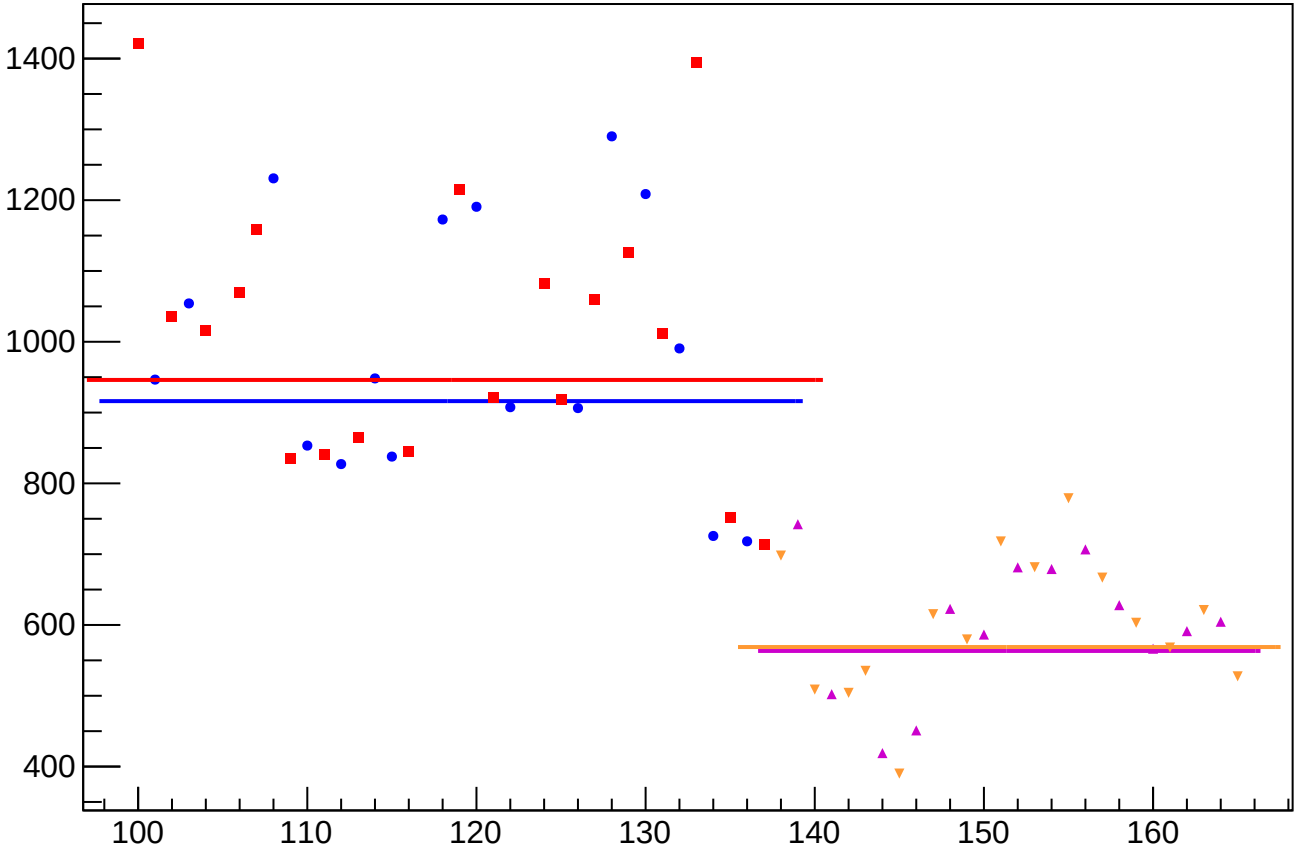
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 47.651+/-155.260 χ^2/NDF:30.5/28

Out: -650.680+/-152.266 χ^2/NDF:60.0/33

All: -308.314+/-108.711 χ^2/NDF: 100.8/62

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.825+/-0.119 χ^2/NDF:738997.7/14

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

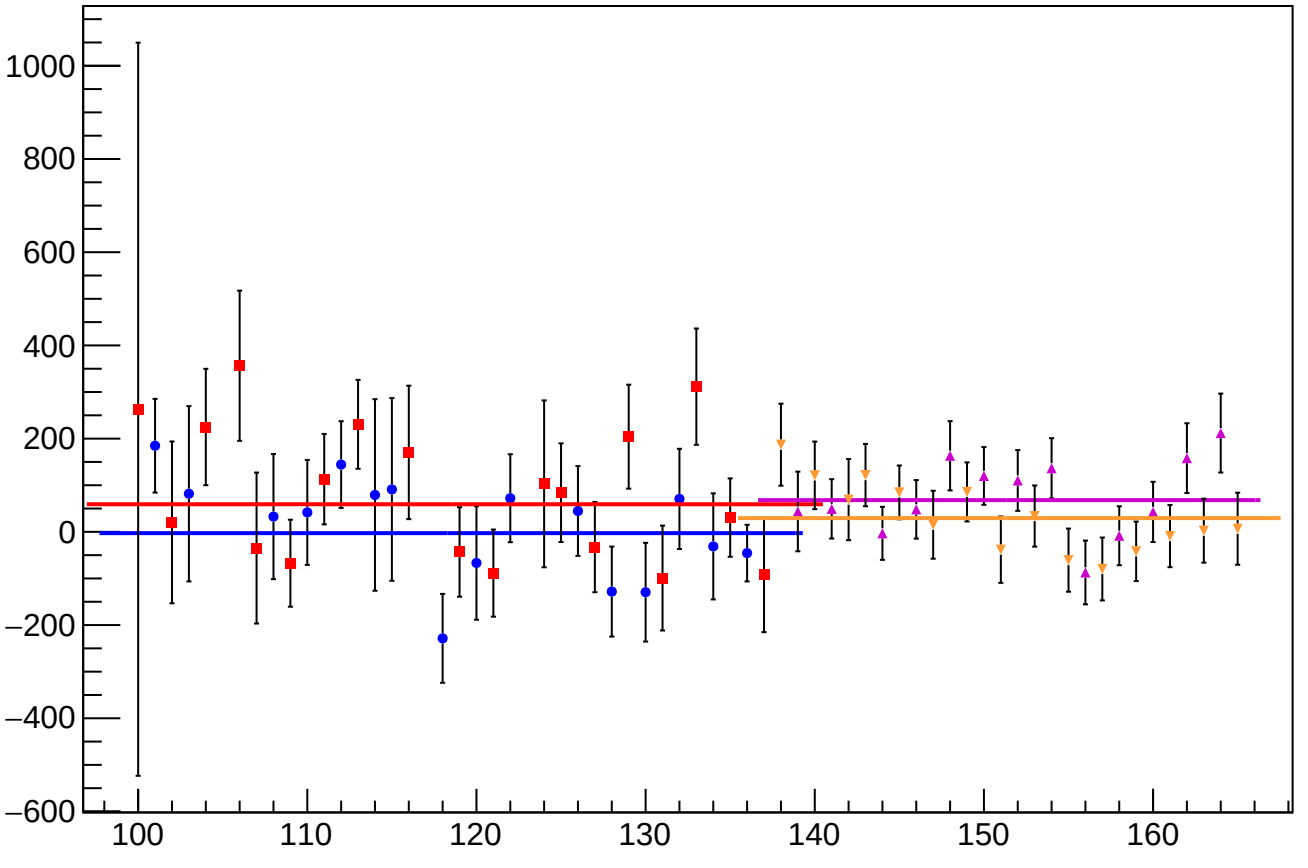
Left: 566.145+/-0.086 χ^2/NDF: 1396923.7/27

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 633.197+/-0.110 χ^2/NDF:2806732.4/28

Out: 638.826+/-0.108 χ^2/NDF:2999840.7/33

All: 636.066+/-0.077 χ^2/NDF: 5807913.3/62



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.465+/-17.875 χ^2/NDF:15.8/14

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 68.048+/-18.624 χ^2/NDF:16.8/12

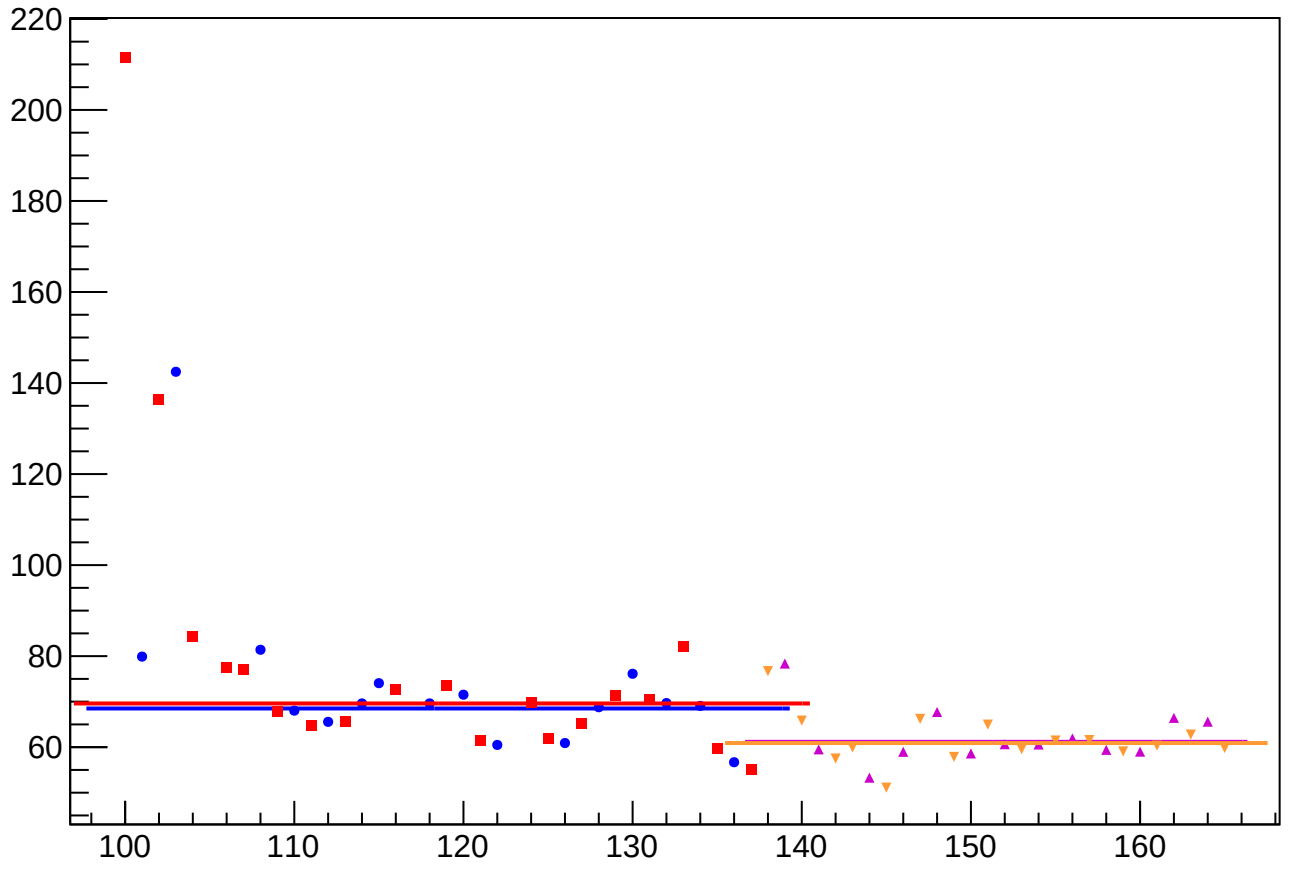
Left: 47.964+/-12.896 χ^2/NDF: 34.8/27

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 44.290+/-15.182 χ^2/NDF:39.4/28

Out: 38.828+/-14.798 χ^2/NDF:42.3/33

All: 41.489+/-10.597 χ^2/NDF: 81.7/62



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

Left: 61.032+/-0.009 χ^2/NDF: 323318.2/27

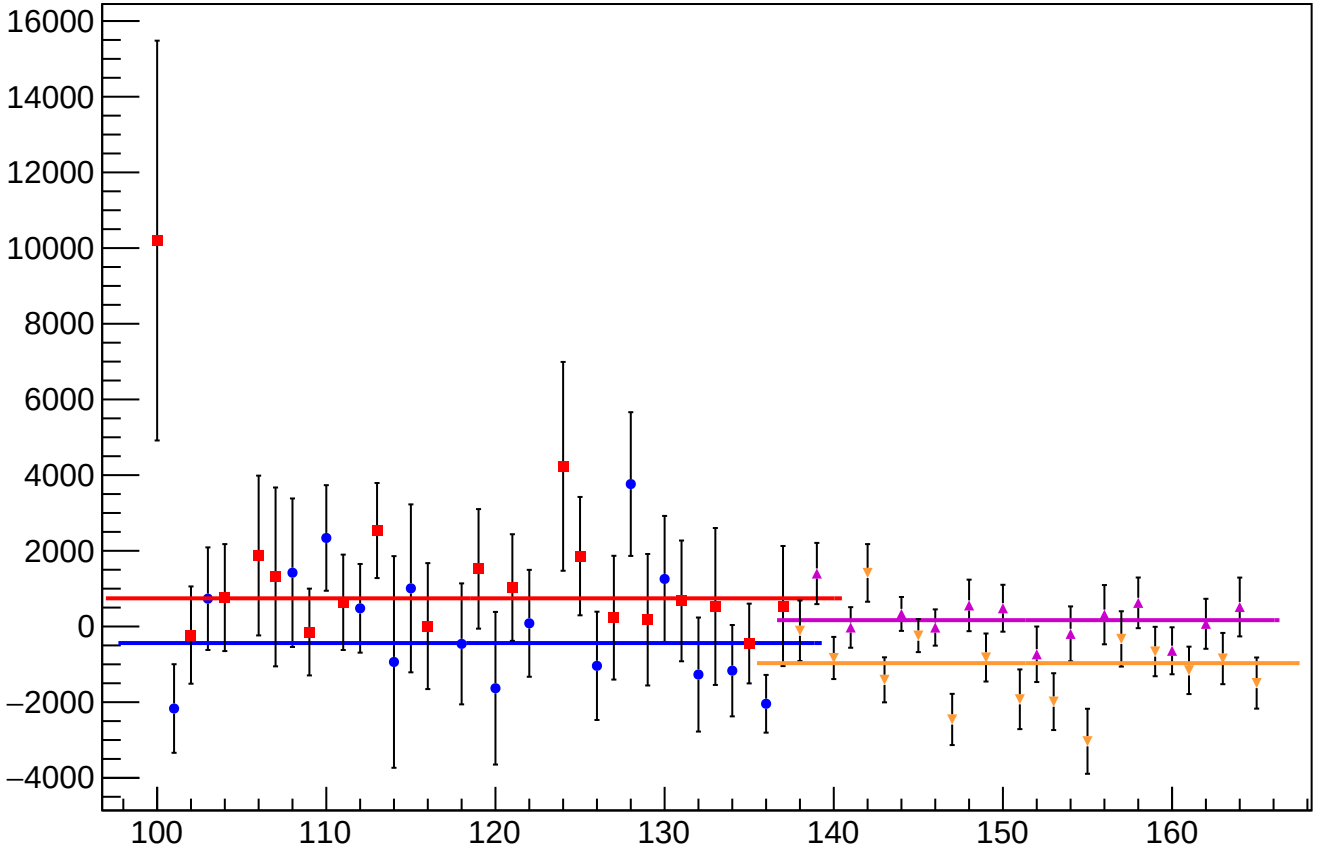
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.629+/-0.011 χ^2/NDF:737519.8/28

Out: 63.641+/-0.010 χ^2/NDF:830004.8/33

All: 63.635+/-0.007 χ^2/NDF: 1567525.3/62

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: -968.502+/-168.721 χ^2/NDF:30.0/14

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 167.439+/-173.374 χ^2/NDF:7.5/12

Left: -415.980+/-120.915 χ^2/NDF: 59.6/27

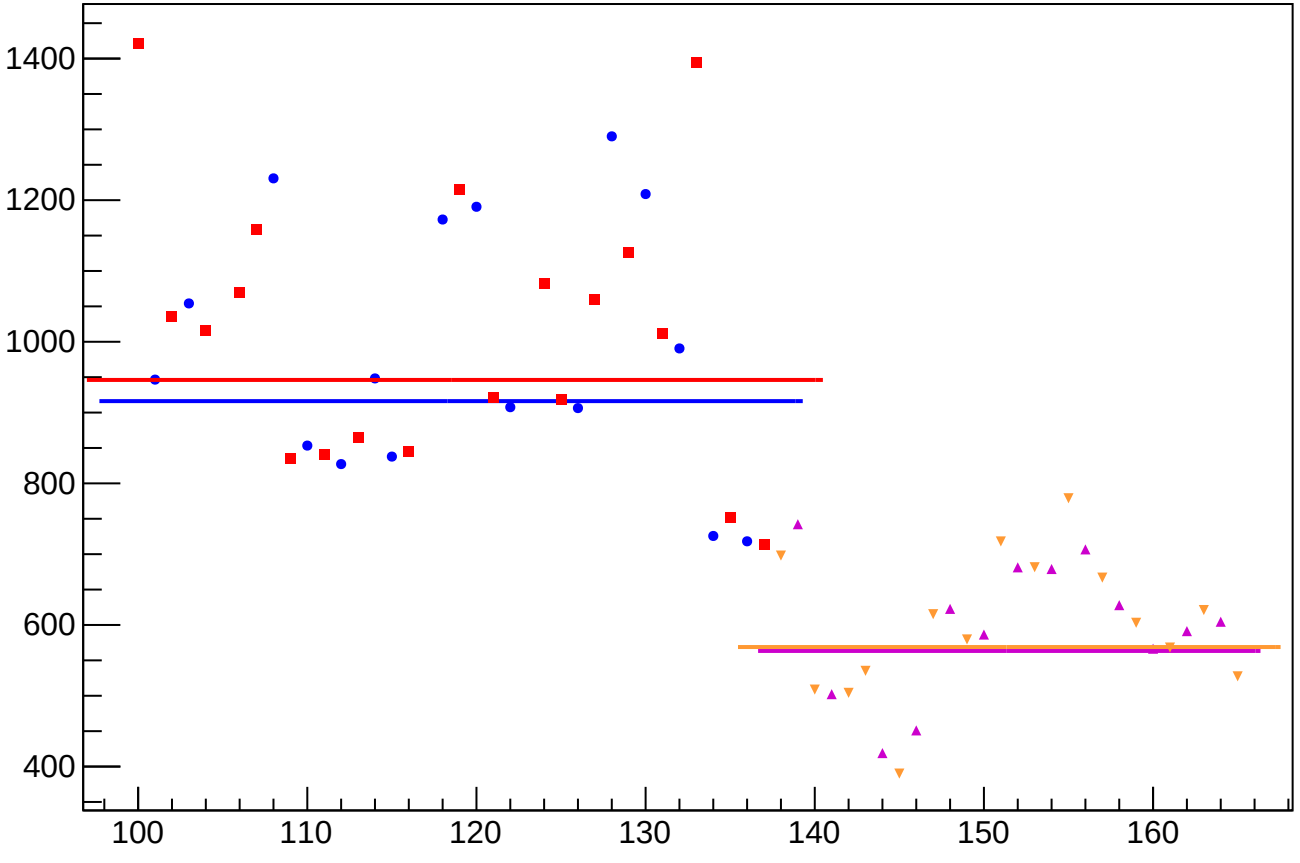
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 47.651+/-155.260 χ^2/NDF:30.5/28

Out: -650.680+/-152.266 χ^2/NDF:60.0/33

All: -308.314+/-108.711 χ^2/NDF: 100.8/62

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: 568.825+/-0.119 χ^2/NDF:738997.7/14

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

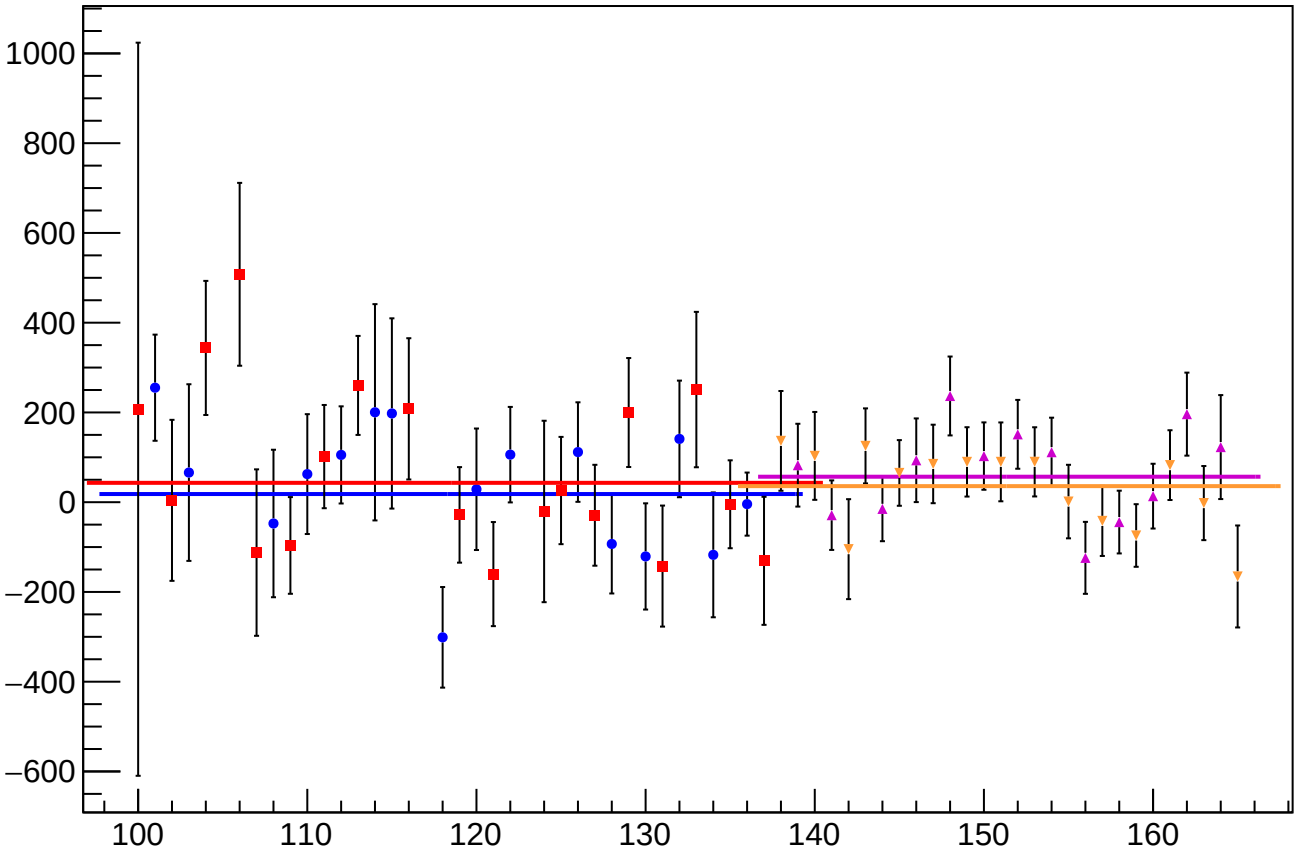
Left: 566.145+/-0.086 χ^2/NDF: 1396923.7/27

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 633.197+/-0.110 χ^2/NDF:2806732.4/28

Out: 638.826+/-0.108 χ^2/NDF:2999840.7/33

All: 636.066+/-0.077 χ^2/NDF: 5807913.3/62



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.783+/-21.823 χ^2/NDF:13.2/14

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.781+/-22.466 χ^2/NDF:19.2/12

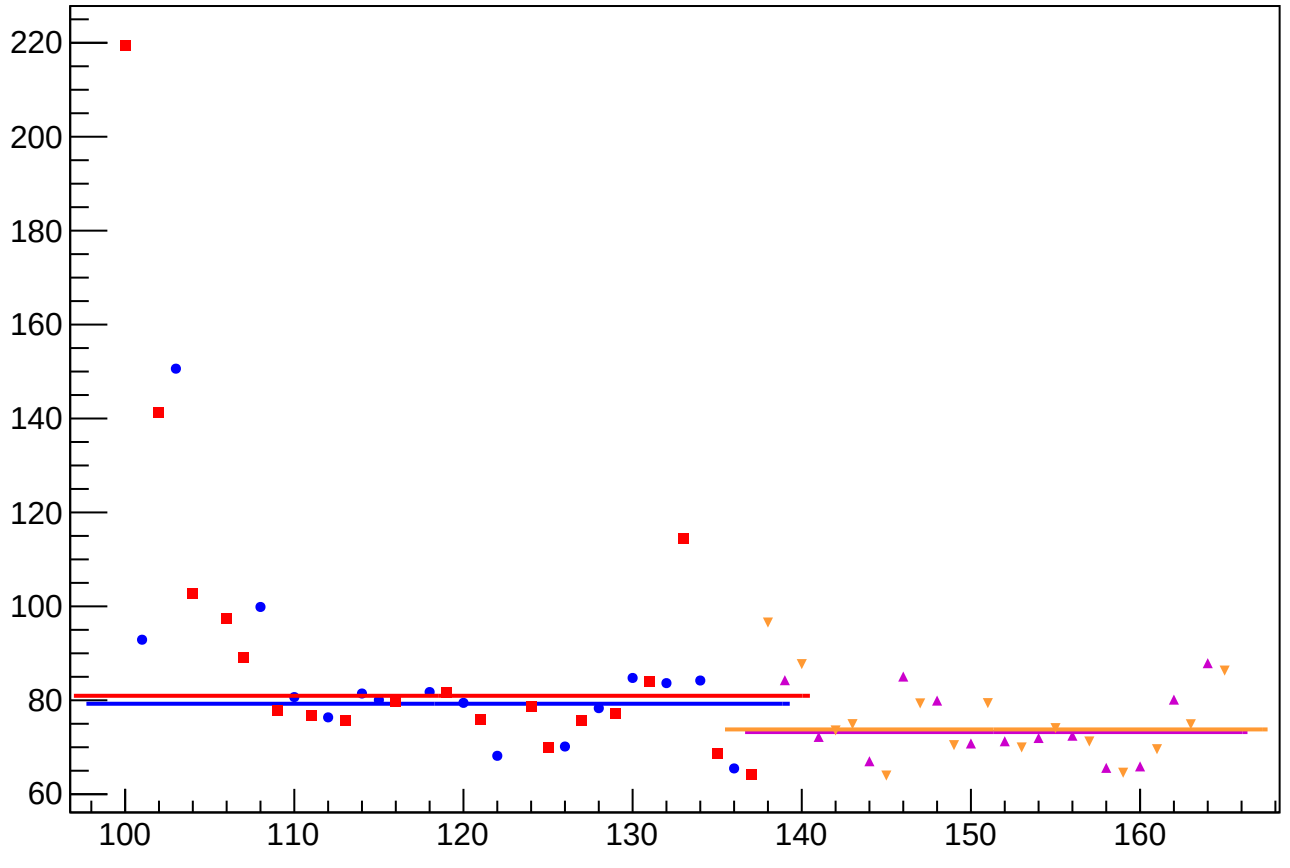
Left: 45.978+/-15.653 χ^2/NDF: 32.9/27

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 43.114+/-18.056 χ^2/NDF:40.3/28

Out: 38.254+/-17.788 χ^2/NDF:41.0/33

All: 40.647+/-12.672 χ^2/NDF: 81.4/62



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.795+/-0.015 χ^2/NDF:253017.2/14

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.235+/-0.016 χ^2/NDF:179250.7/12

Left: 73.523+/-0.011 χ^2/NDF: 432907.5/27

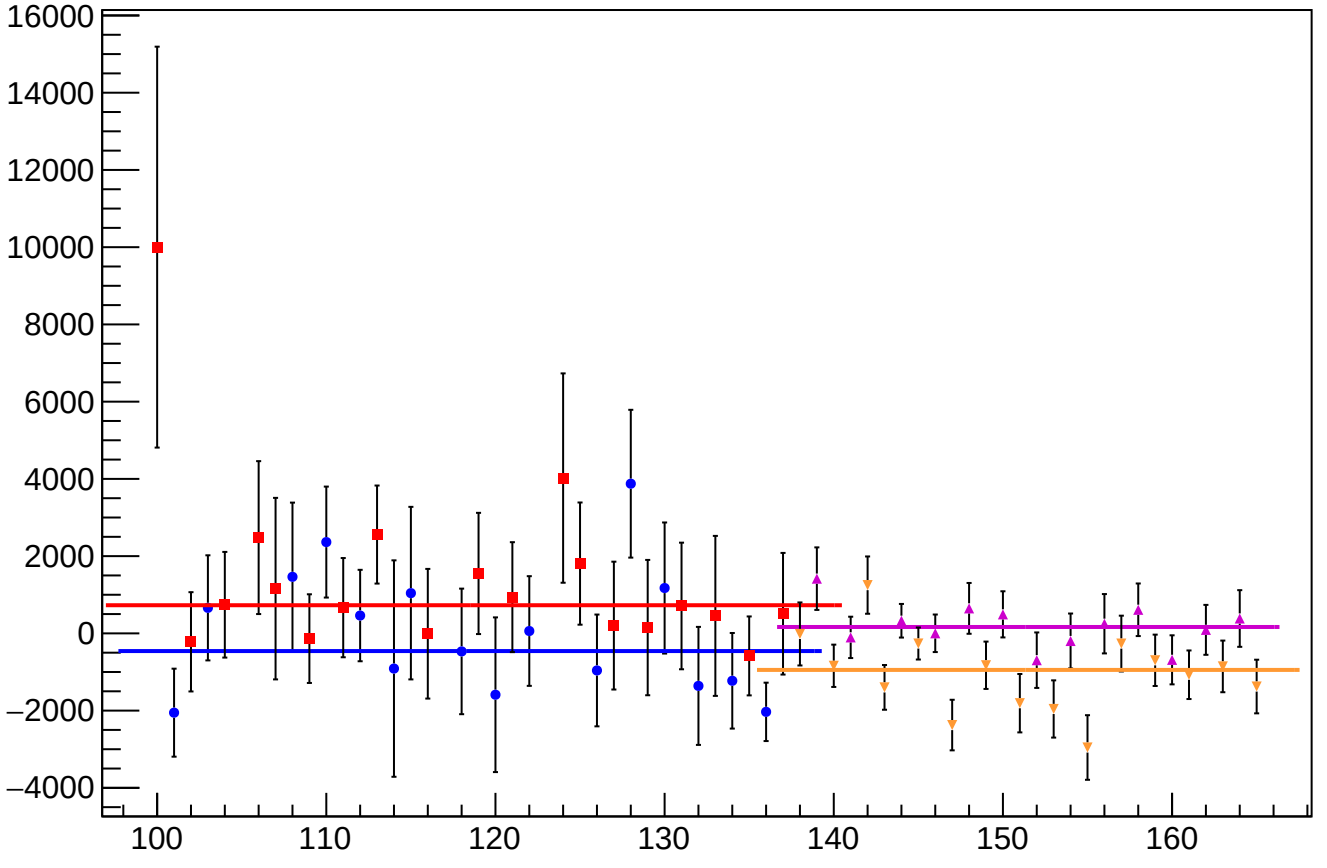
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.369+/-0.013 χ^2/NDF:675188.2/28

Out: 76.199+/-0.013 χ^2/NDF:839522.3/33

All: 75.790+/-0.009 χ^2/NDF: 1516853.8/62

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: -946.184+/-165.621 χ^2/NDF:28.6/14

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 165.522+/-171.168 χ^2/NDF:7.8/12

Left: -408.636+/-119.025 χ^2/NDF: 58.2/27

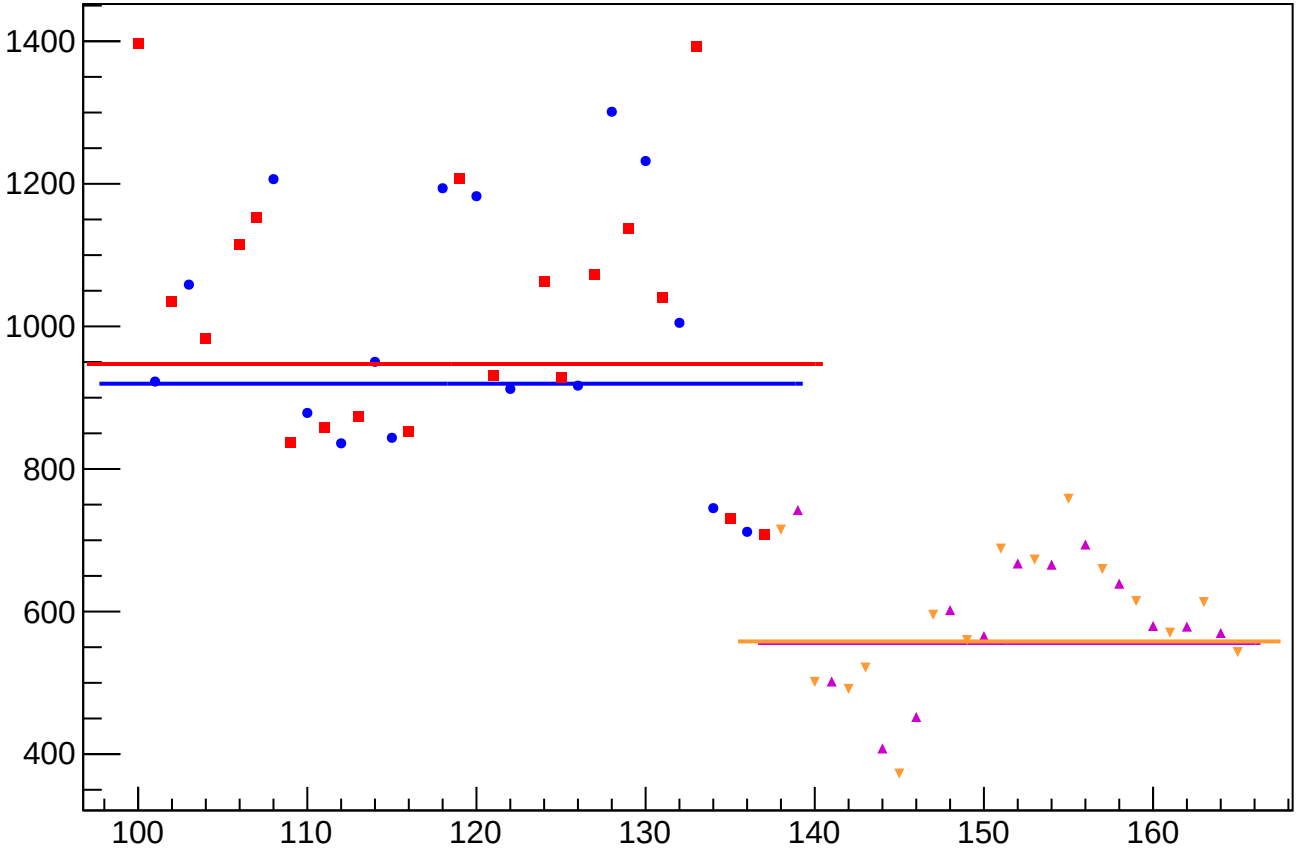
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 45.197+/-153.771 χ^2/NDF:30.6/28

Out: -643.400+/-149.906 χ^2/NDF:58.6/33

All: -307.866+/-107.340 χ^2/NDF: 99.5/62

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: 558.098+/-0.117 χ^2/NDF:816299.2/14

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 555.864+/-0.121 χ^2/NDF:655390.9/12

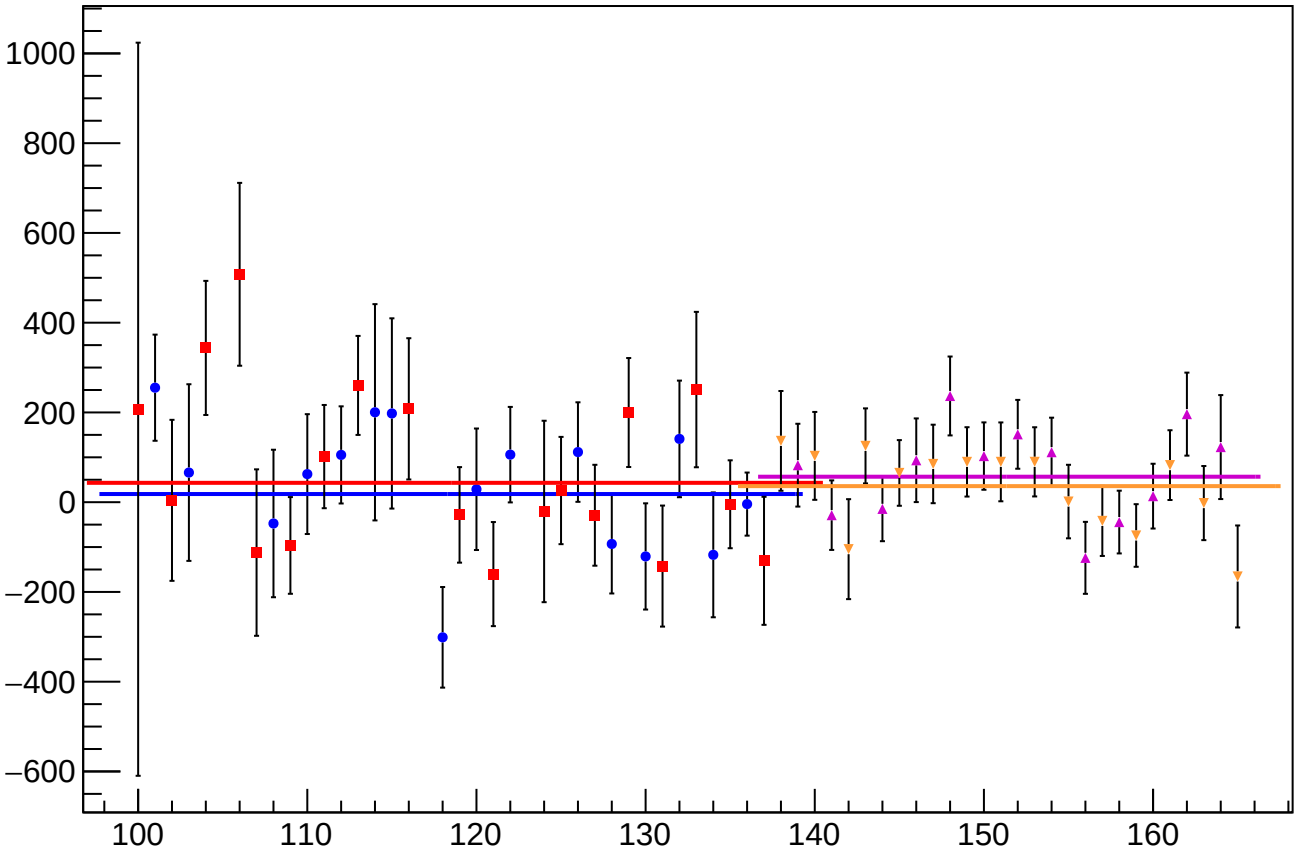
Left: 557.018+/-0.084 χ^2/NDF: 1471866.2/27

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 626.052+/-0.109 χ^2/NDF:2913752.0/28

Out: 628.451+/-0.106 χ^2/NDF:3238139.3/33

All: 627.282+/-0.076 χ^2/NDF: 6152141.0/62



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.785+/-21.823 χ^2/NDF:13.2/14

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.780+/-22.466 χ^2/NDF:19.2/12

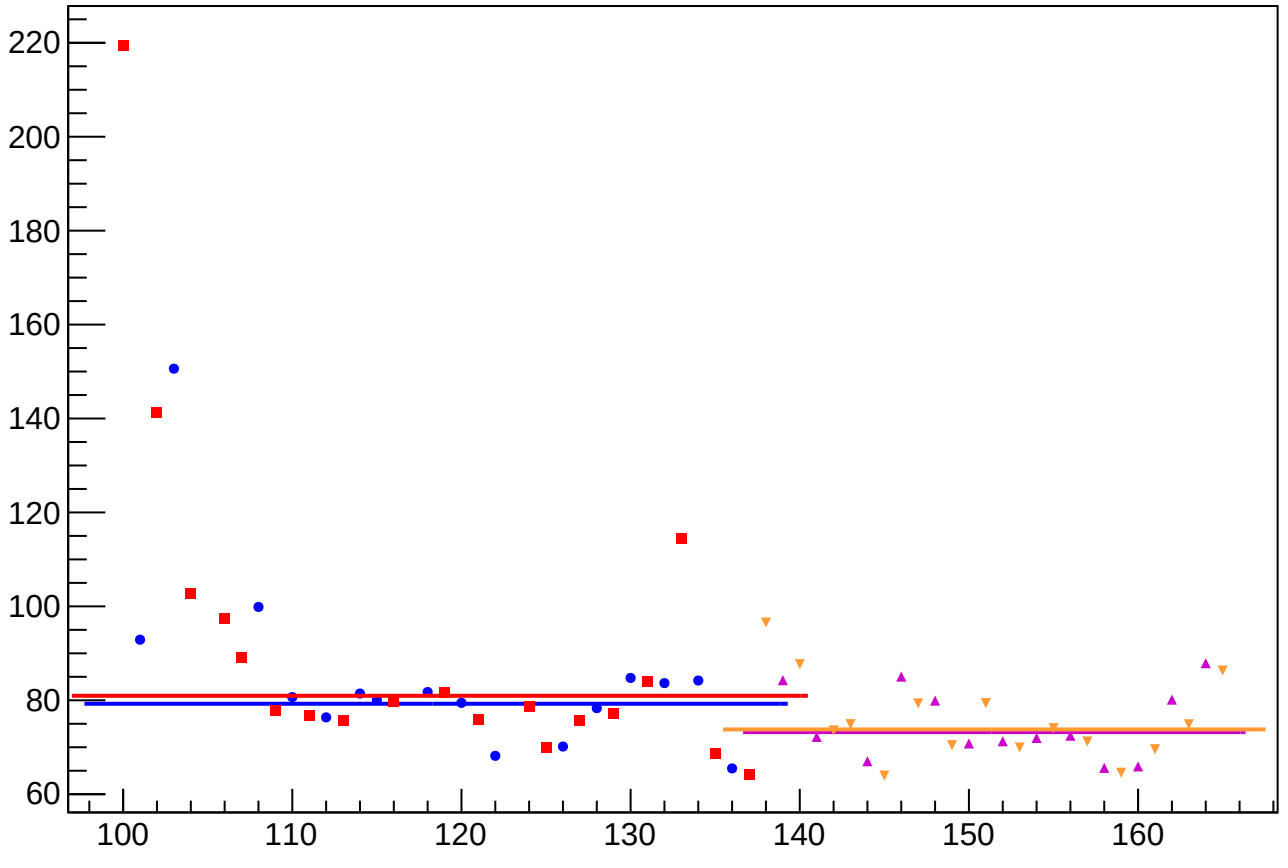
Left: 45.978+/-15.653 χ^2/NDF: 32.8/27

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 43.113+/-18.056 χ^2/NDF:40.3/28

Out: 38.254+/-17.788 χ^2/NDF:41.0/33

All: 40.647+/-12.672 χ^2/NDF: 81.4/62



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.795+/-0.015 χ^2/NDF:253013.9/14

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.235+/-0.016 χ^2/NDF:179255.5/12

Left: 73.523+/-0.011 χ^2/NDF: 432909.1/27

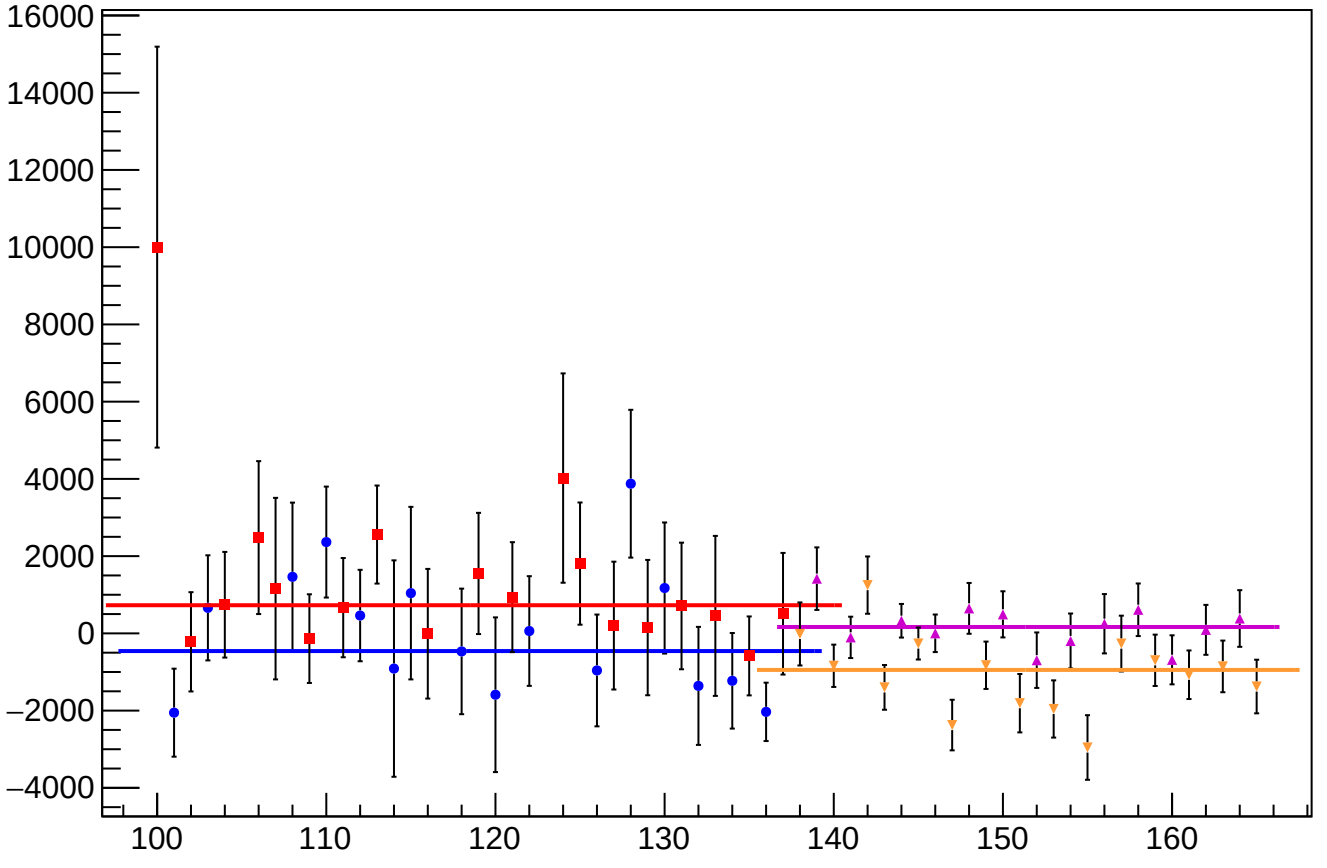
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.369+/-0.013 χ^2/NDF:675182.1/28

Out: 76.199+/-0.013 χ^2/NDF:839518.1/33

All: 75.790+/-0.009 χ^2/NDF: 1516843.9/62

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: -946.183+/-165.621 χ^2/NDF:28.6/14

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 165.521+/-171.168 χ^2/NDF:7.8/12

Left: -408.636+/-119.024 χ^2/NDF: 58.2/27

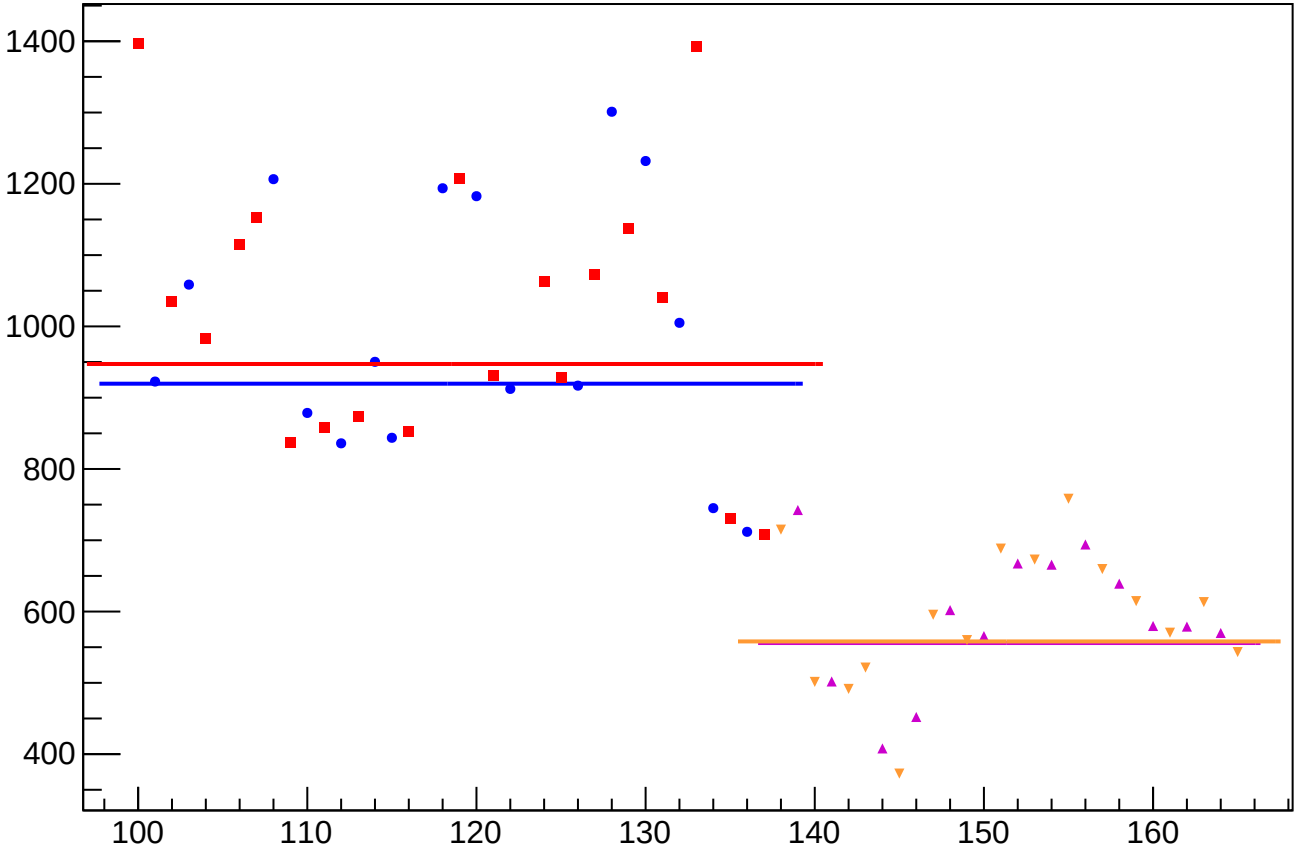
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 45.197+/-153.771 χ^2/NDF:30.6/28

Out: -643.399+/-149.905 χ^2/NDF:58.6/33

All: -307.865+/-107.340 χ^2/NDF: 99.5/62

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: 558.098+/-0.117 χ^2/NDF:816303.3/14

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 555.863+/-0.121 χ^2/NDF:655389.6/12

Left: 557.017+/-0.084 χ^2/NDF: 1471868.9/27

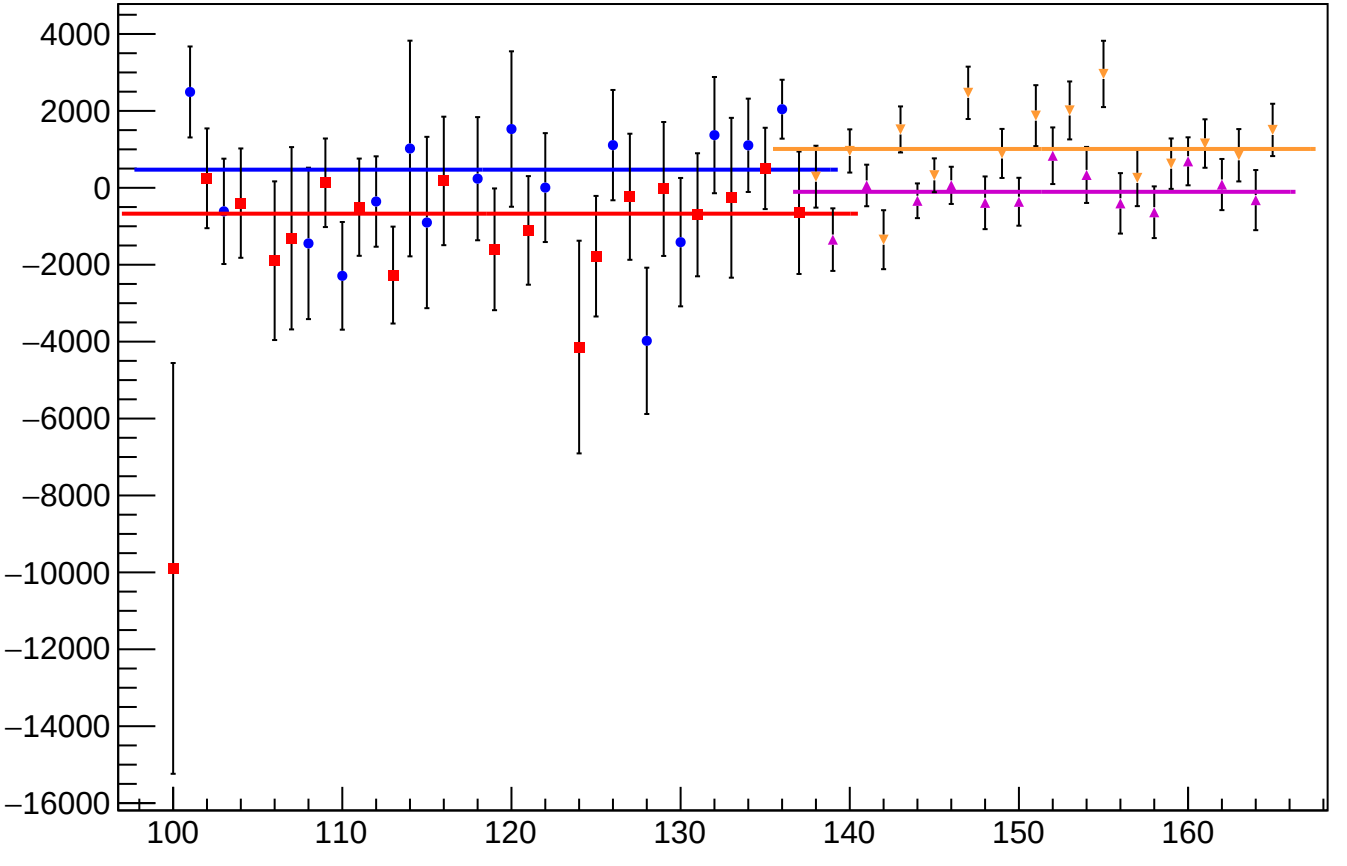
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 626.051+/-0.109 χ^2/NDF:2913745.7/28

Out: 628.450+/-0.106 χ^2/NDF:3238139.7/33

All: 627.281+/-0.076 χ^2/NDF: 6152135.0/62

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1010.552+/-169.771 χ^2/NDF:28.2/14

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -104.111+/-174.482 χ^2/NDF:7.7/12

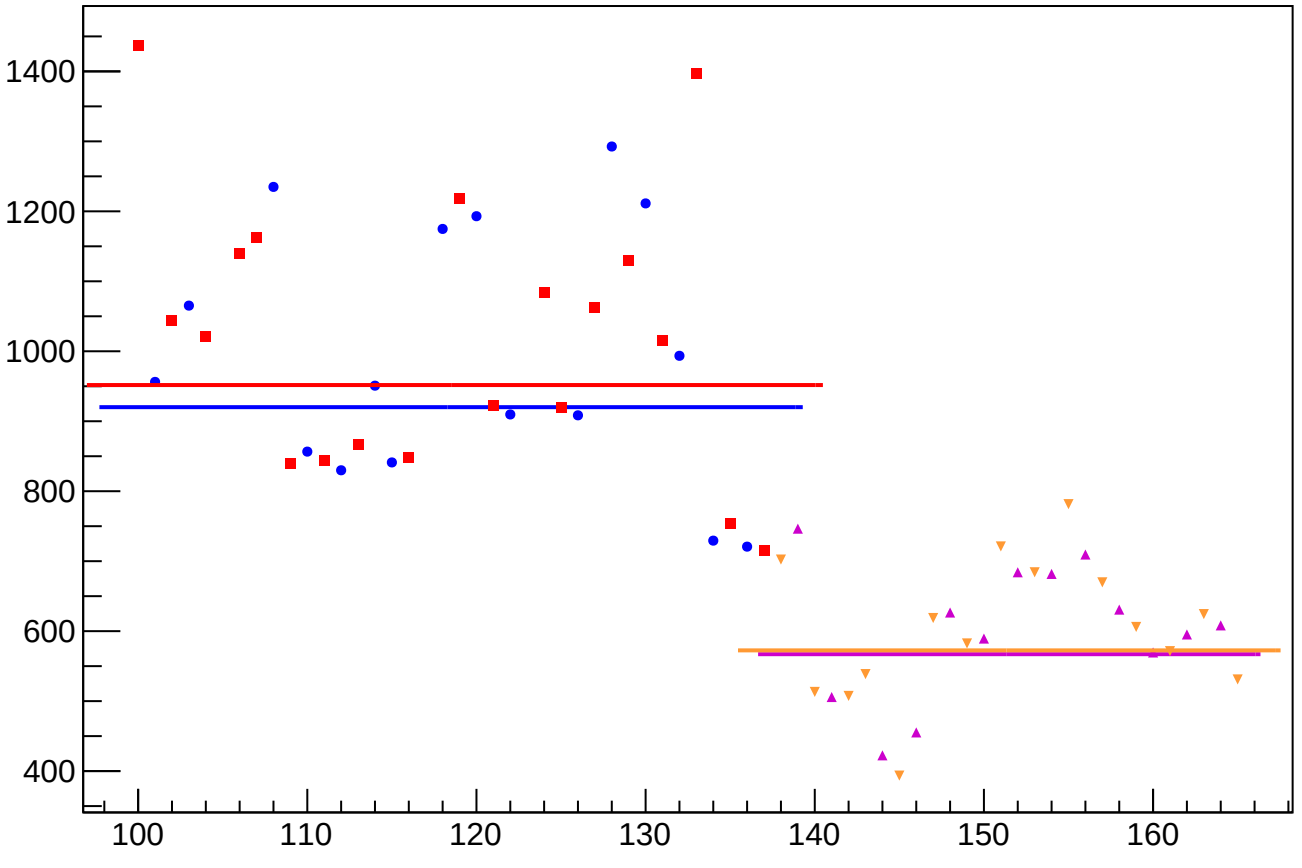
Left: 468.470+/-121.678 χ^2/NDF: 56.8/27

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 10.372+/-156.187 χ^2/NDF:31.3/28

Out: 696.571+/-153.119 χ^2/NDF:56.8/33

All: 360.277+/-109.340 χ^2/NDF: 98.0/62



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 572.525+/-0.120 χ^2/NDF:726361.3/14

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 567.079+/-0.123 χ^2/NDF:645402.5/12

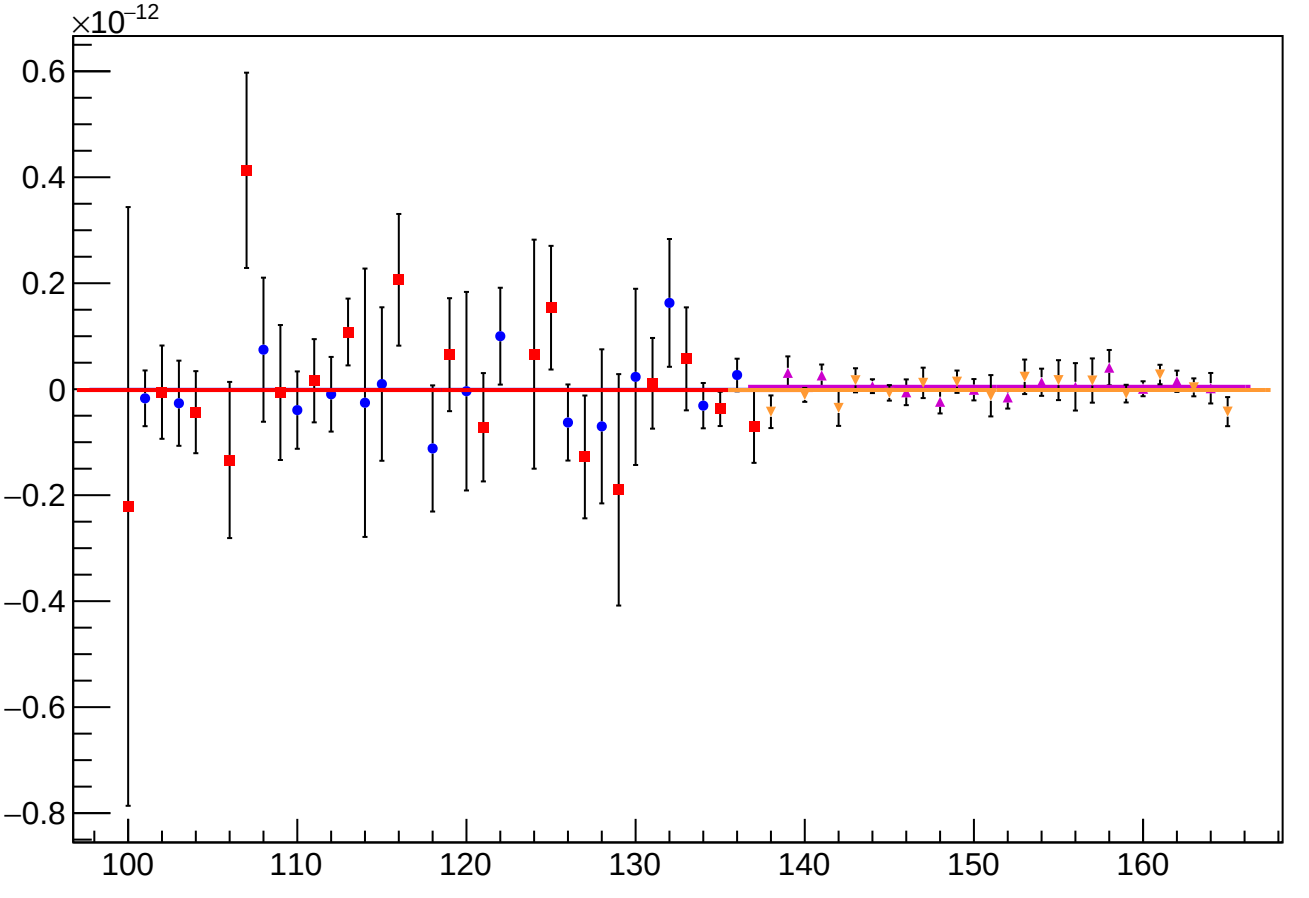
Left: 569.876+/-0.086 χ^2/NDF: 1372764.9/27

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 637.233+/-0.110 χ^2/NDF:2781186.3/28

Out: 643.265+/-0.108 χ^2/NDF:3003866.5/33

All: 640.309+/-0.077 χ^2/NDF: 5786574.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/12

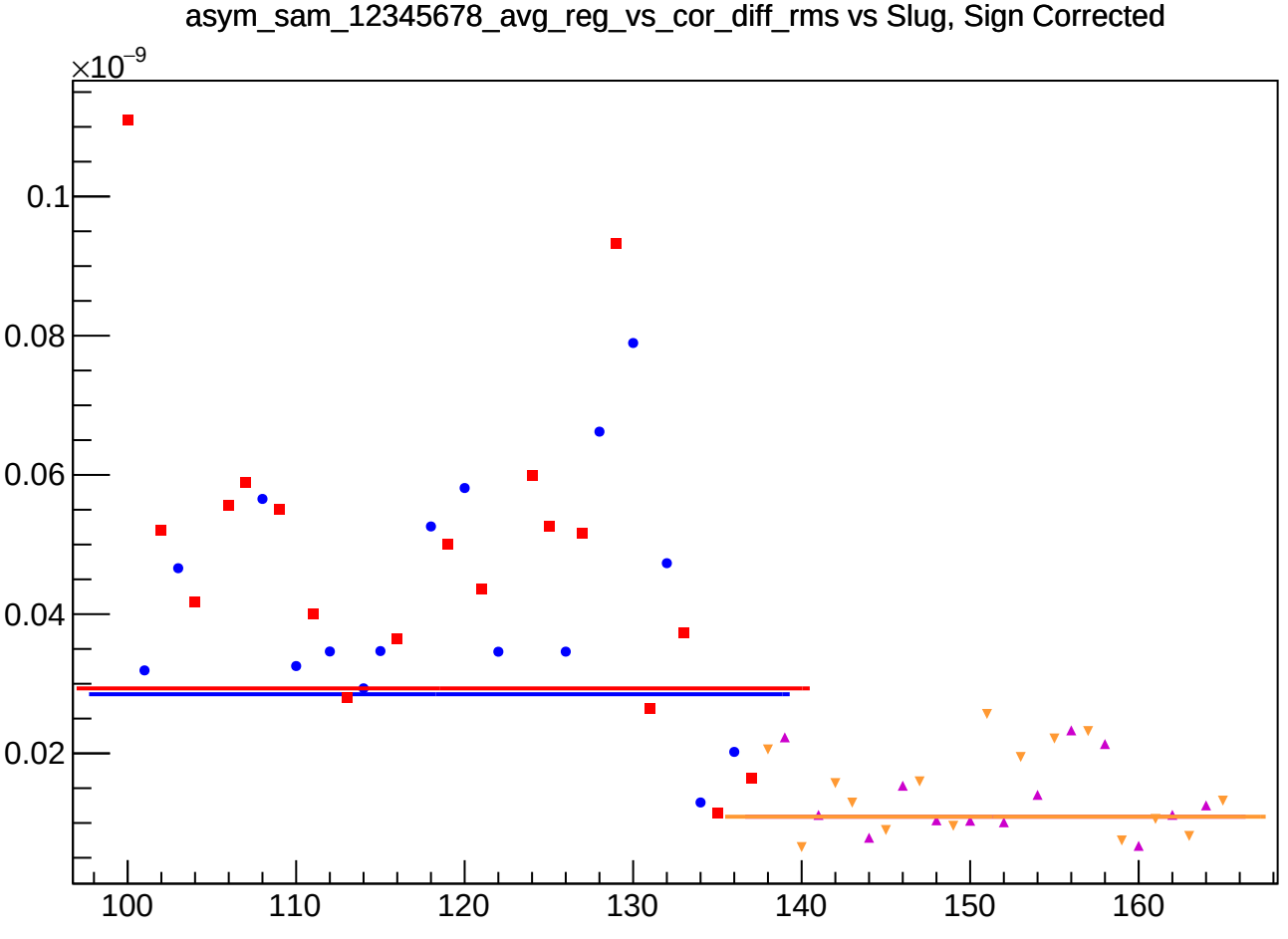
Left: 0.000+/-0.000 χ^2/NDF: 17.7/27

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:13.4/28

Out: -0.000+/-0.000 χ^2/NDF:30.3/33

All: 0.000+/-0.000 χ^2/NDF: 44.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1507839.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1011785.8/12

Left: 0.000+/-0.000 χ^2/NDF: 2519625.0/27

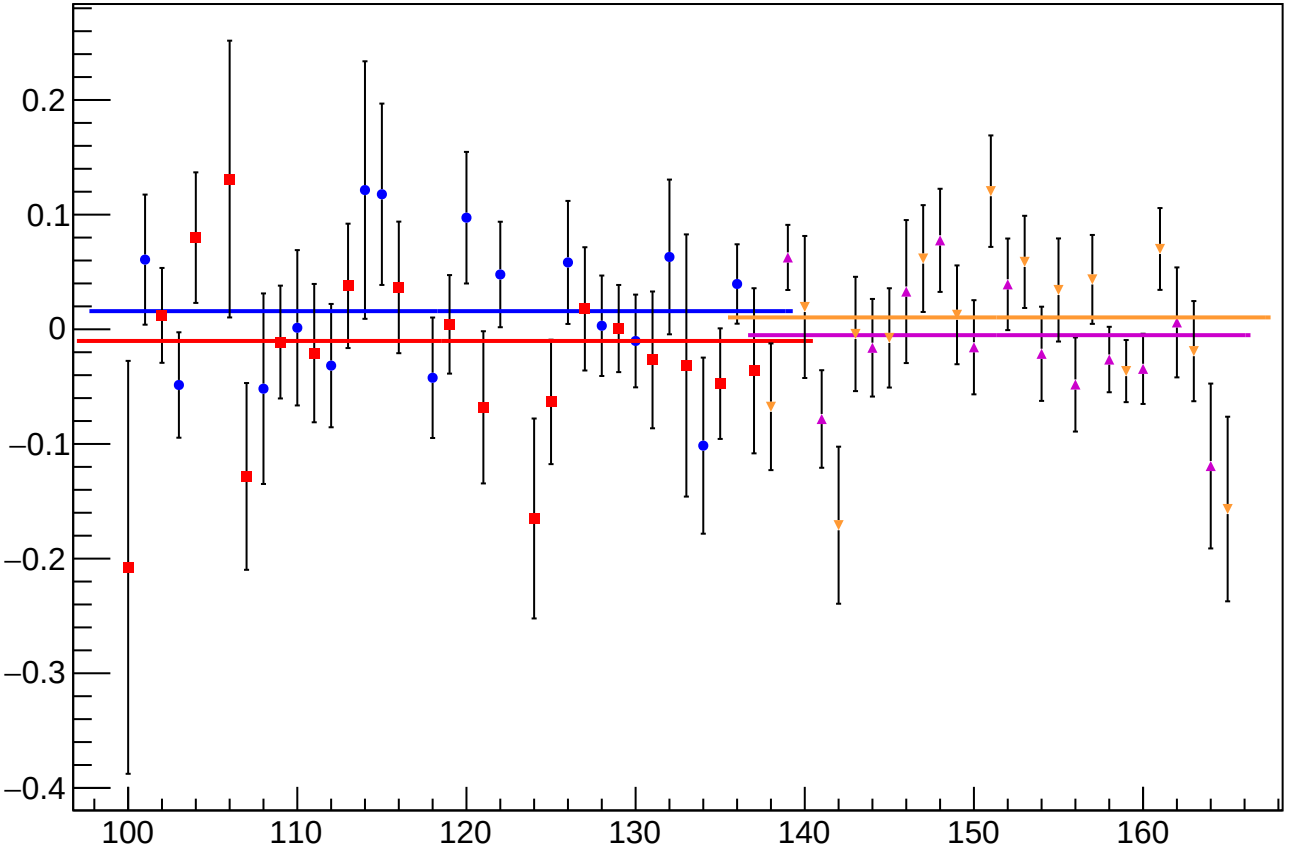
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3944964.7/28

Out: 0.000+/-0.000 χ^2/NDF:4843875.8/33

All: 0.000+/-0.000 χ^2/NDF: 8791703.9/62

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

Left: 0.002+/-0.008 χ^2/NDF: 48.7/27

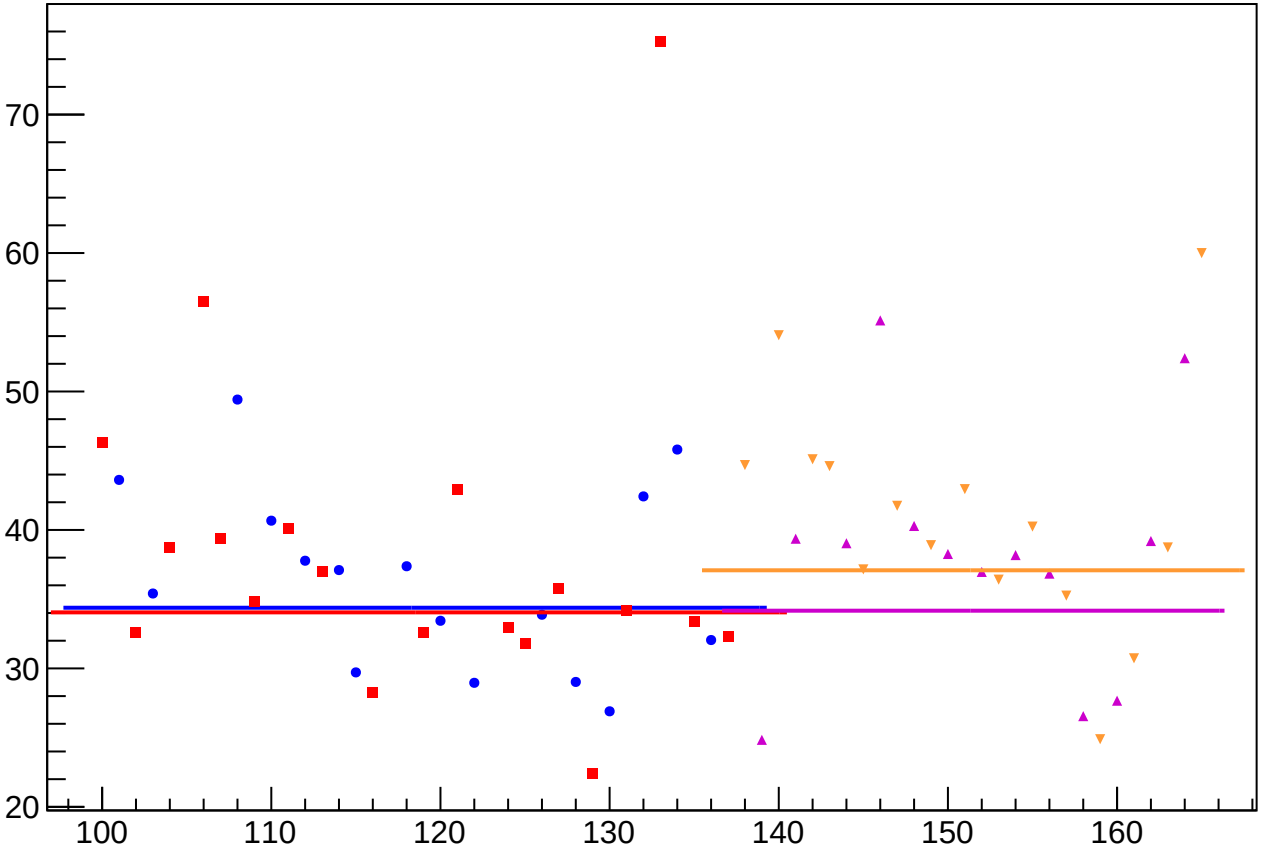
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/62

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: 37.086+/-0.008 χ^2/NDF:962420.3/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

Left: 35.568+/-0.006 χ^2/NDF: 2006712.0/27

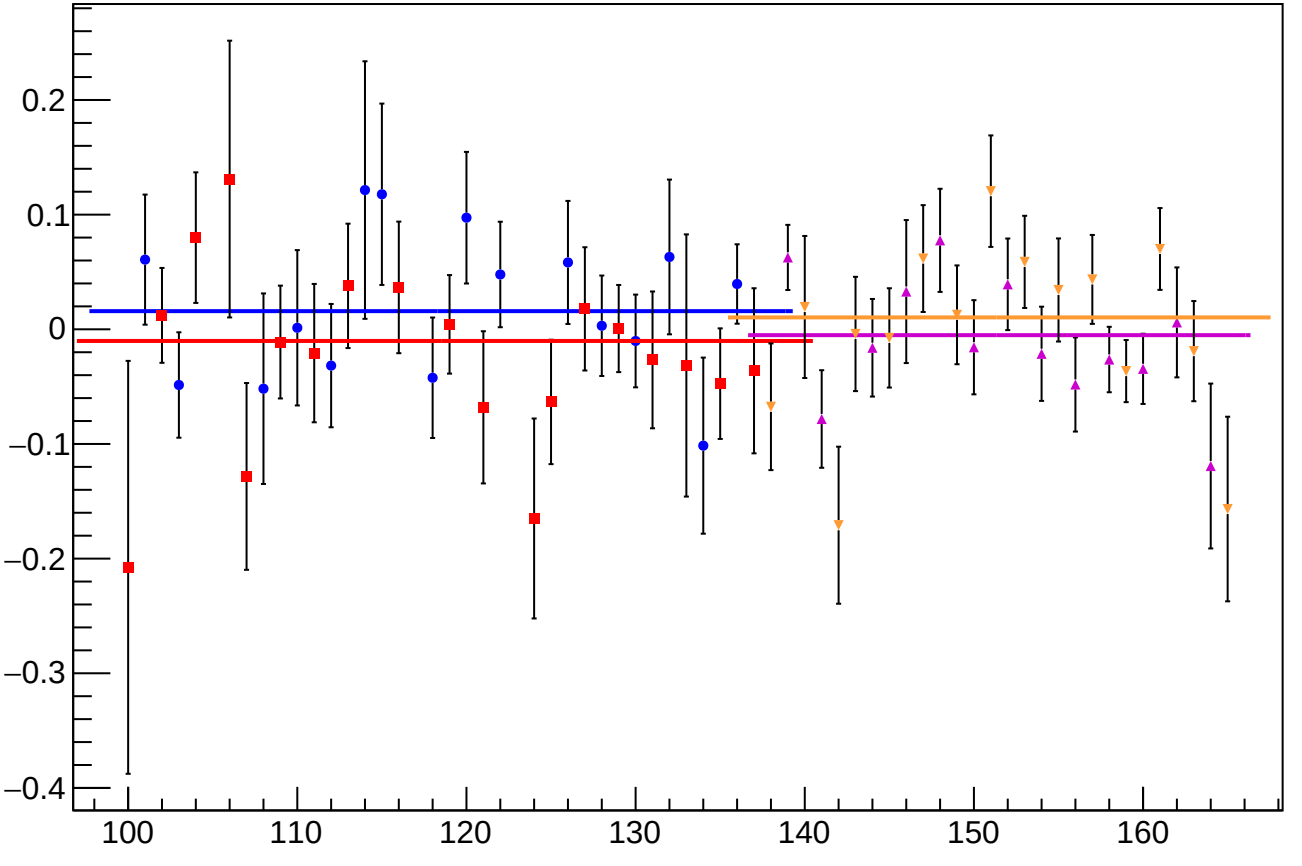
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.253+/-0.006 χ^2/NDF:1343675.1/28

Out: 35.795+/-0.006 χ^2/NDF:1666028.6/33

All: 35.010+/-0.004 χ^2/NDF: 3042390.0/62

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: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

Left: 0.002+/-0.008 χ^2/NDF: 48.7/27

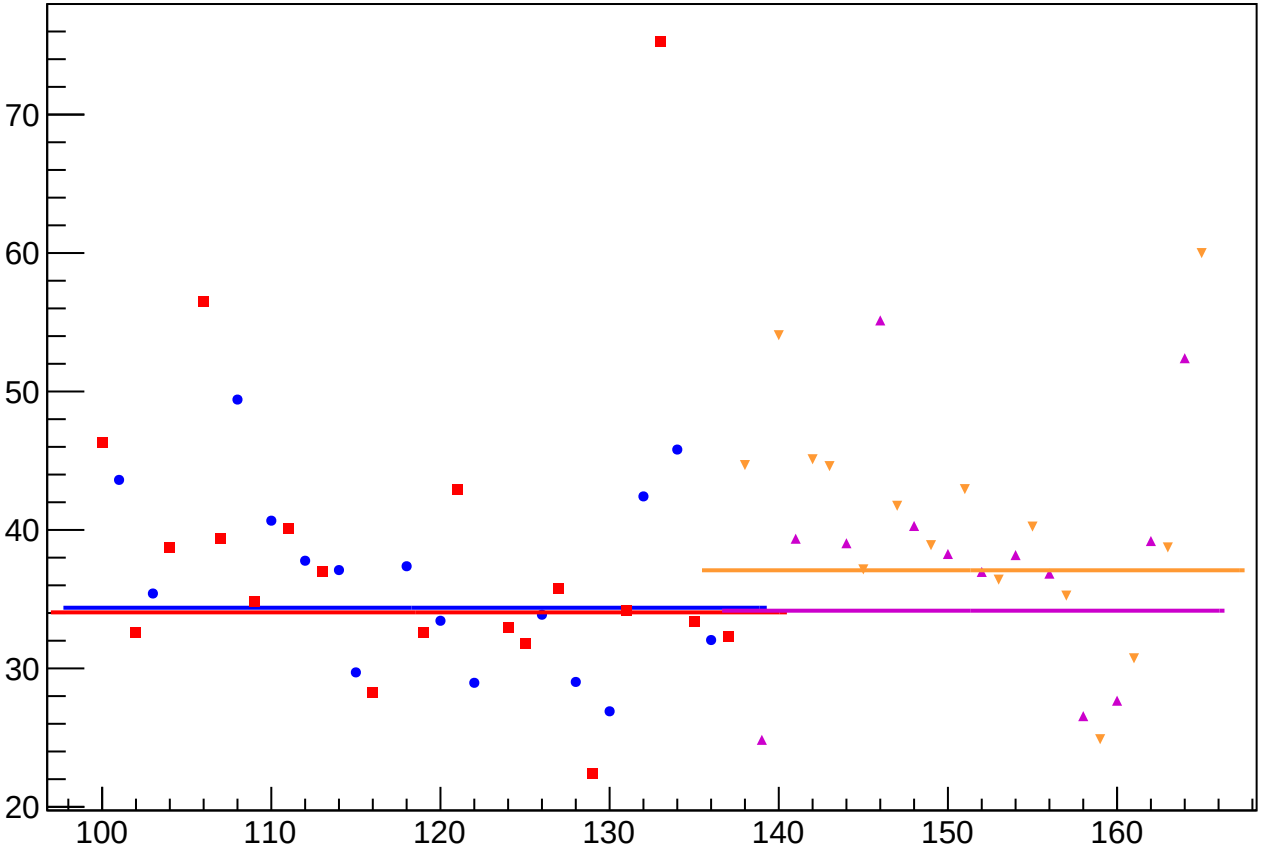
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/62

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: 37.086+/-0.008 χ^2/NDF:962420.3/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

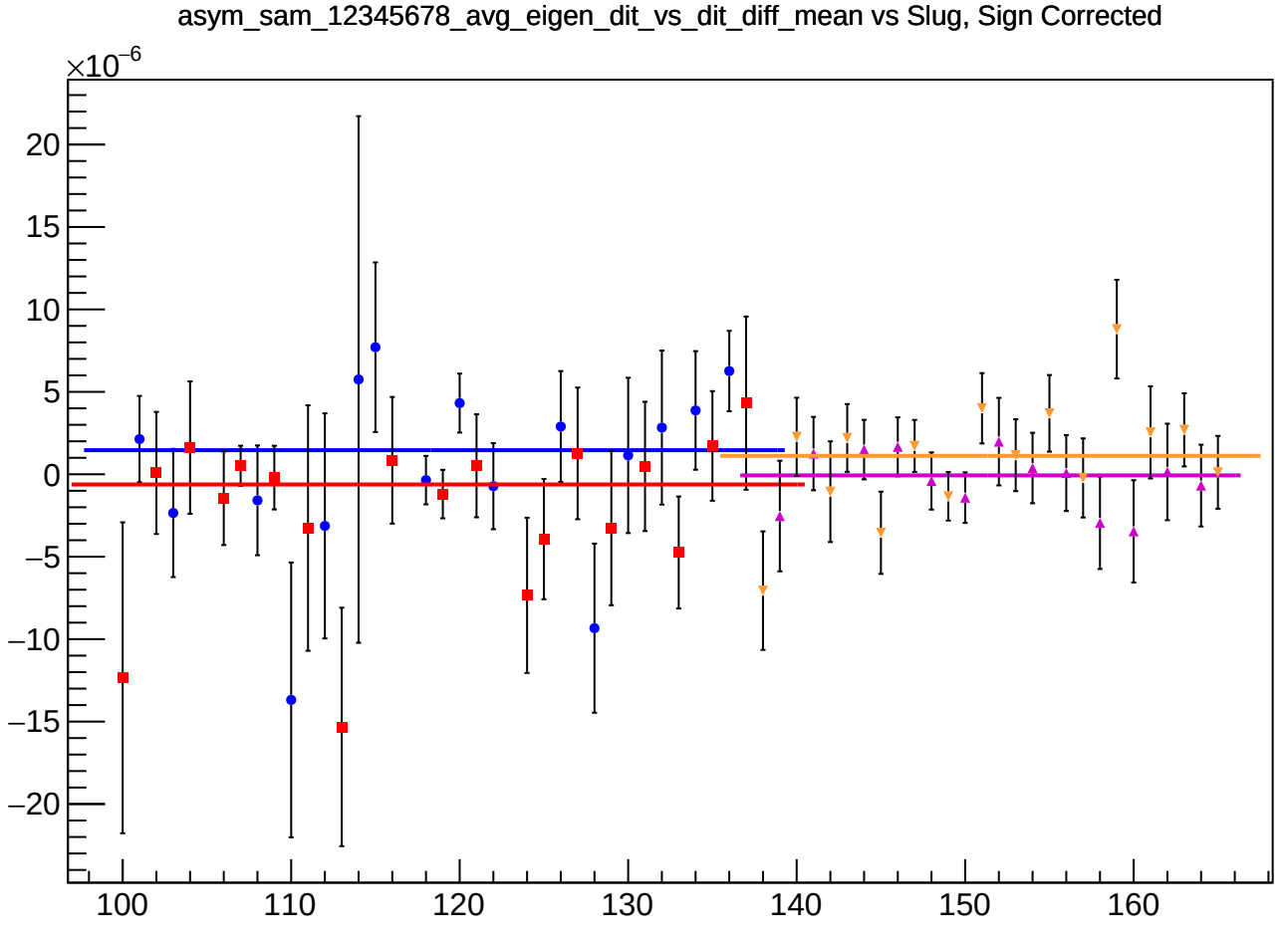
Left: 35.568+/-0.006 χ^2/NDF: 2006712.0/27

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.253+/-0.006 χ^2/NDF:1343675.1/28

Out: 35.795+/-0.006 χ^2/NDF:1666028.6/33

All: 35.010+/-0.004 χ^2/NDF: 3042390.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/12

Left: 0.000+/-0.000 χ^2/NDF: 31.9/27

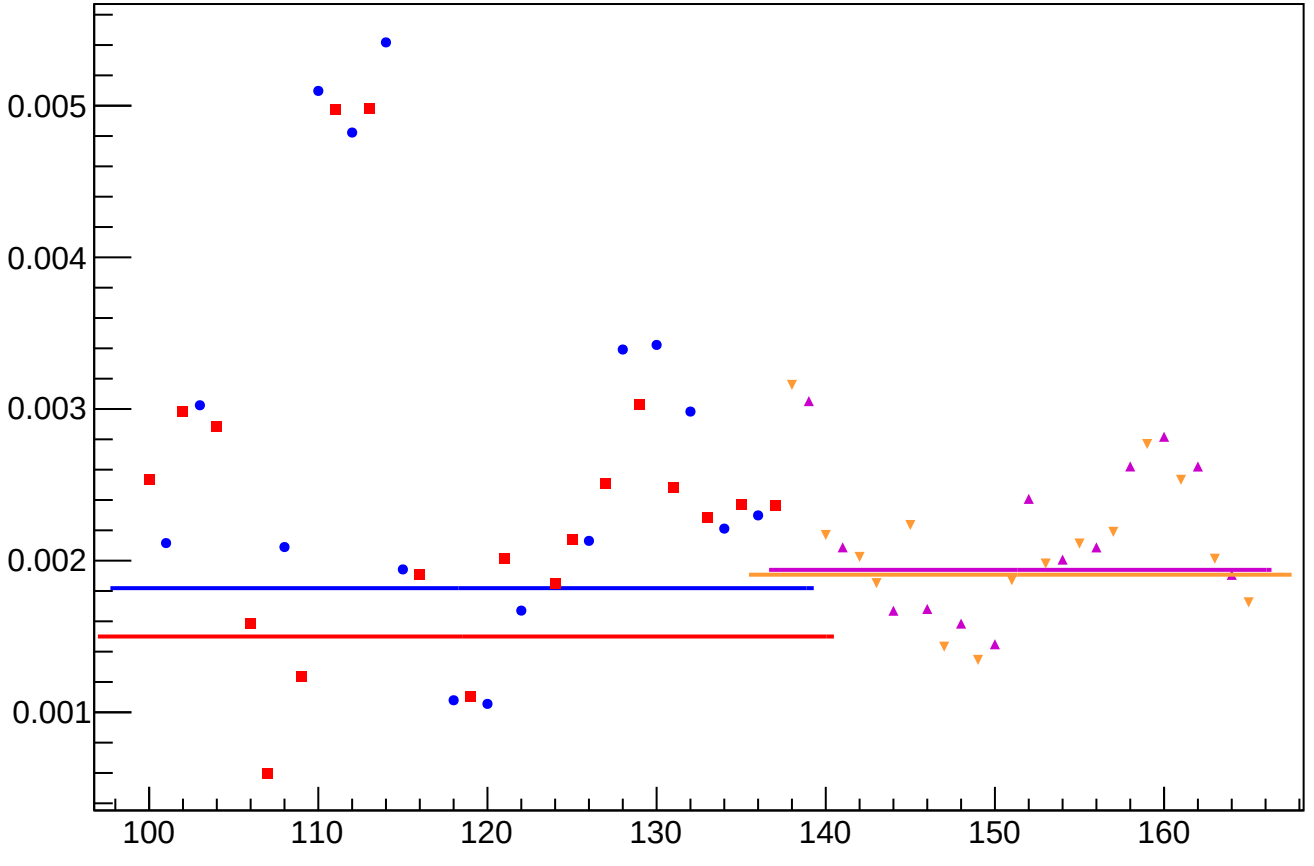
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.8/28

Out: 0.000+/-0.000 χ^2/NDF:41.5/33

All: 0.000+/-0.000 χ^2/NDF: 71.4/62

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1108754.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1063122.2/12

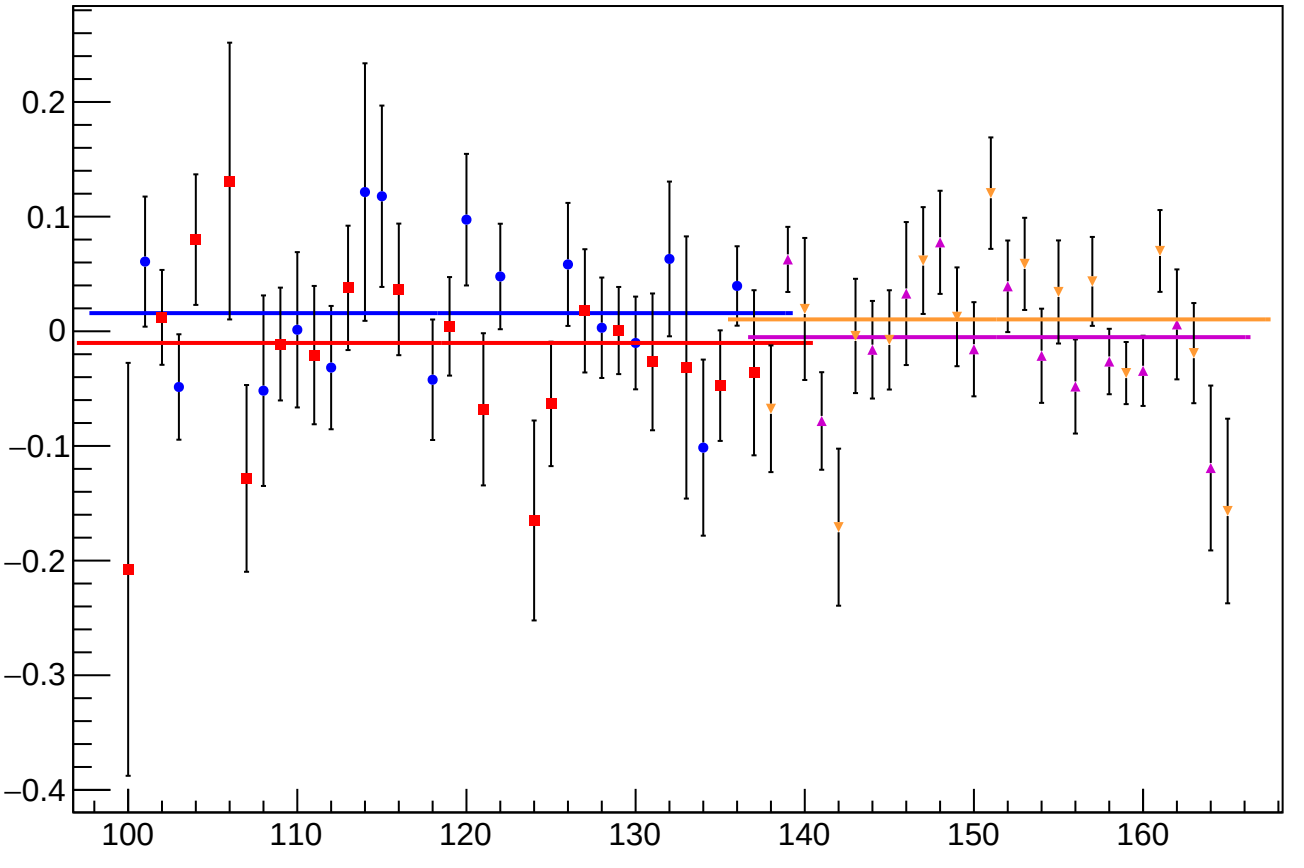
Left: 0.002+/-0.000 χ^2/NDF: 2174807.9/27

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3664586.8/28

Out: 0.002+/-0.000 χ^2/NDF:5244713.0/33

All: 0.002+/-0.000 χ^2/NDF: 9040836.8/62



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

Left: 0.002+/-0.008 χ^2/NDF: 48.7/27

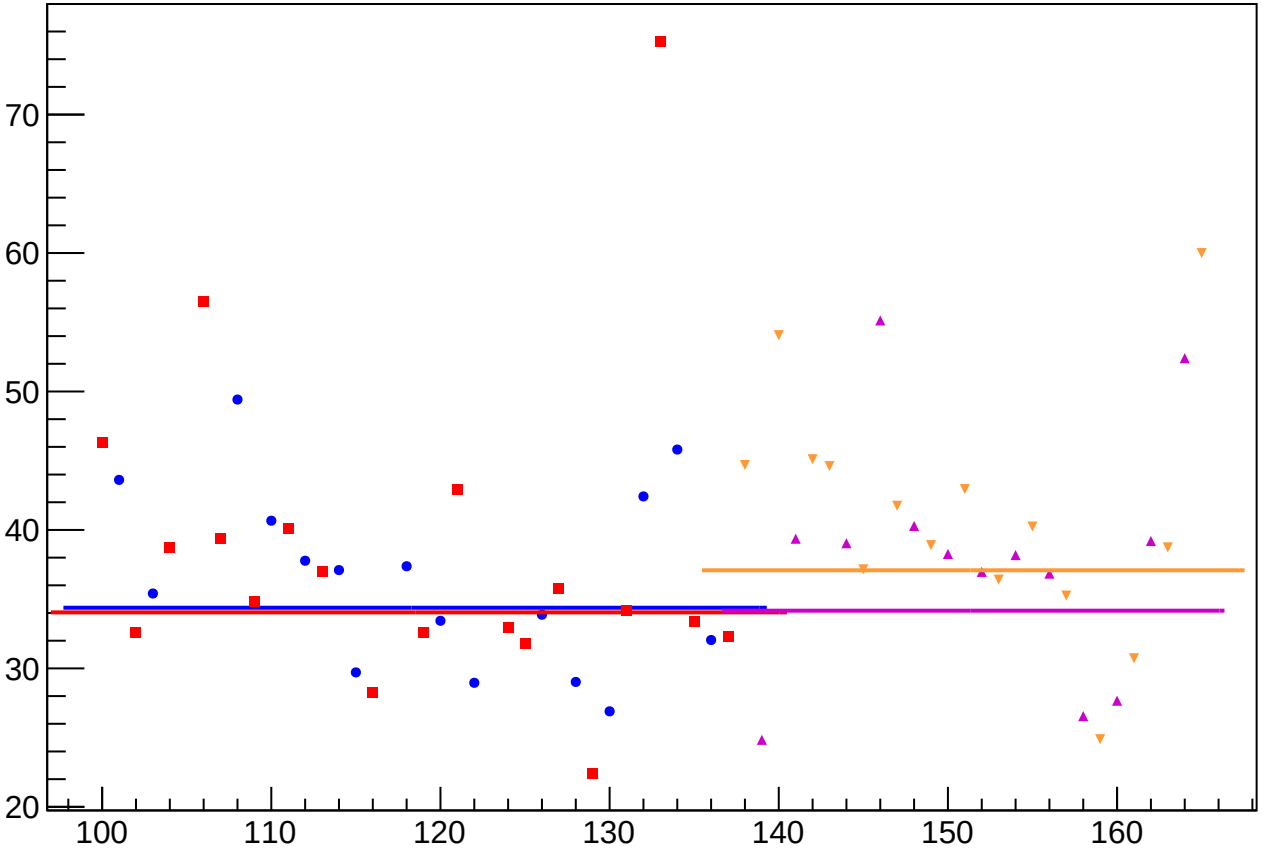
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/62

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: 37.087+/-0.008 χ^2/NDF:962485.0/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.169+/-0.008 χ^2/NDF:975560.6/12

Left: 35.568+/-0.006 χ^2/NDF: 2006850.3/27

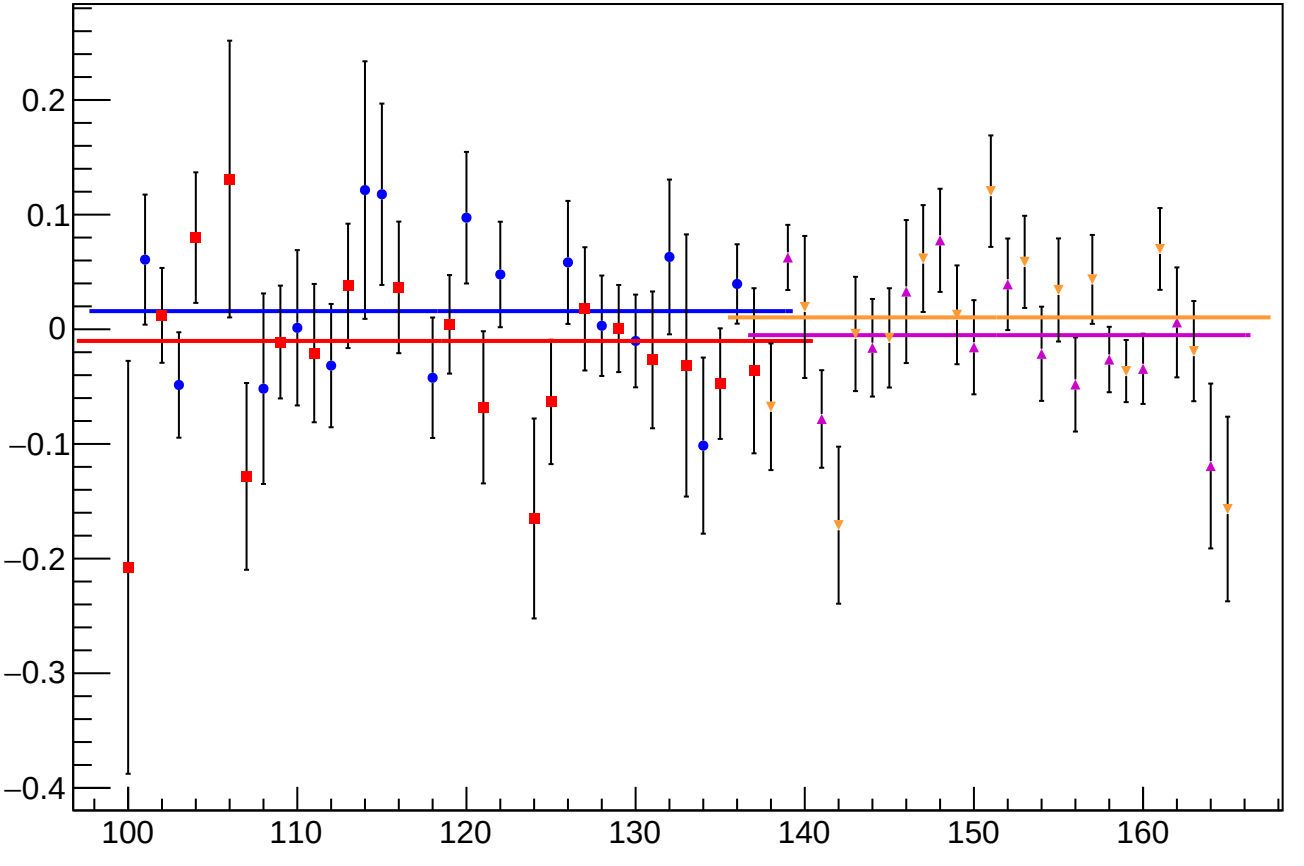
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.253+/-0.006 χ^2/NDF:1343803.7/28

Out: 35.795+/-0.006 χ^2/NDF:1666167.9/33

All: 35.010+/-0.004 χ^2/NDF: 3042660.0/62

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: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

Left: 0.002+/-0.008 χ^2/NDF: 48.7/27

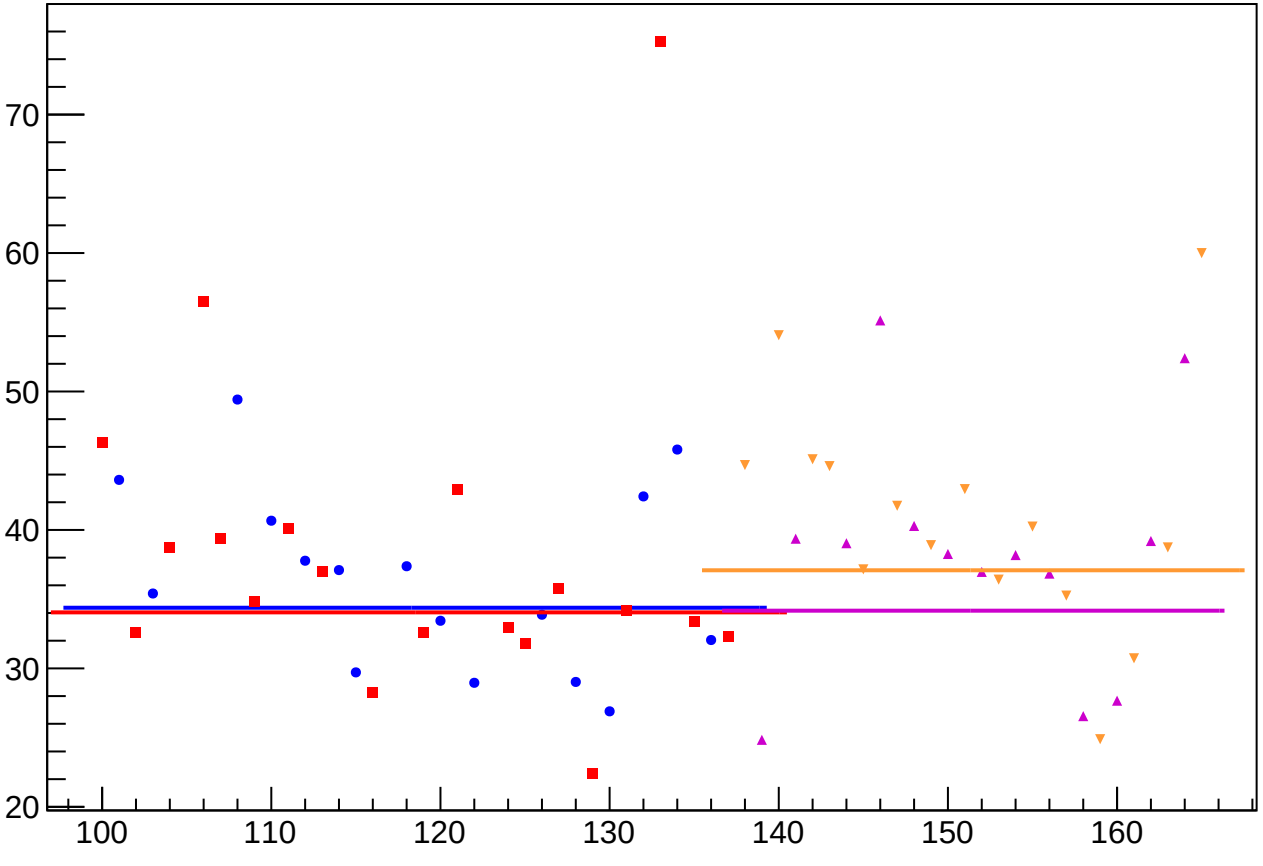
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/62

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.087+/-0.008 χ^2/NDF:962485.0/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.169+/-0.008 χ^2/NDF:975560.6/12

Left: 35.568+/-0.006 χ^2/NDF: 2006850.3/27

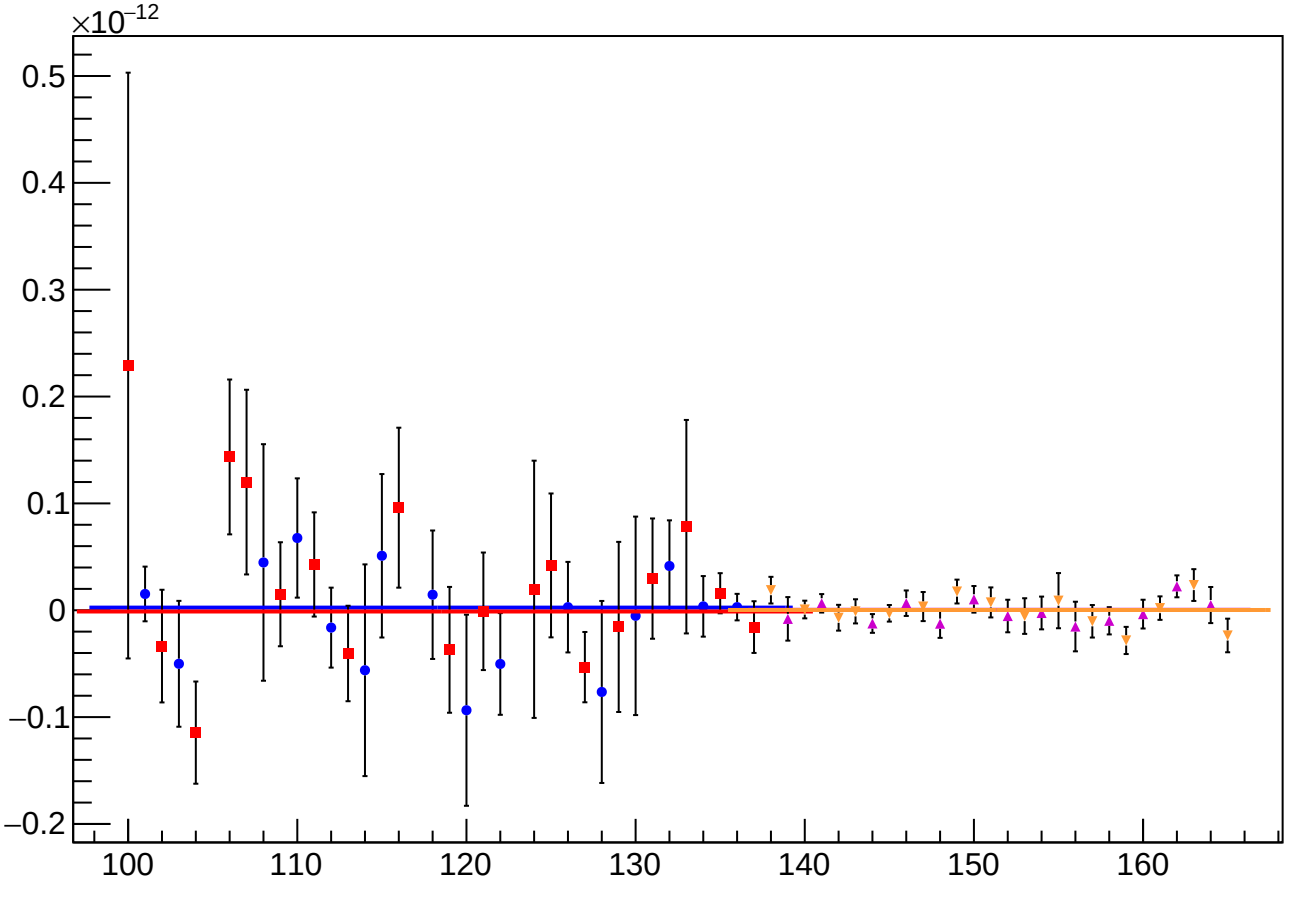
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.253+/-0.006 χ^2/NDF:1343803.7/28

Out: 35.795+/-0.006 χ^2/NDF:1666167.9/33

All: 35.010+/-0.004 χ^2/NDF: 3042660.0/62

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/12

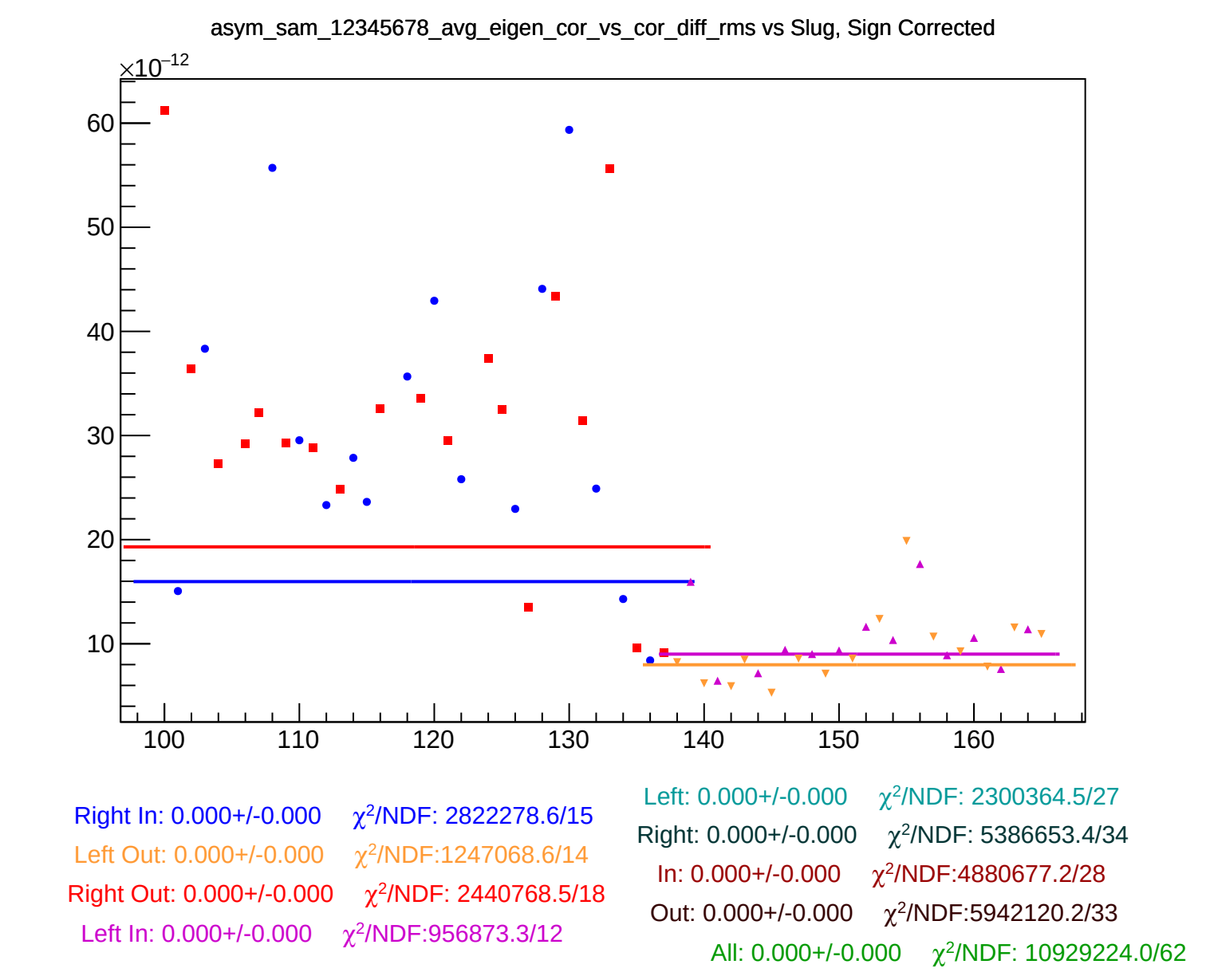
Left: 0.000+/-0.000 χ^2/NDF: 26.6/27

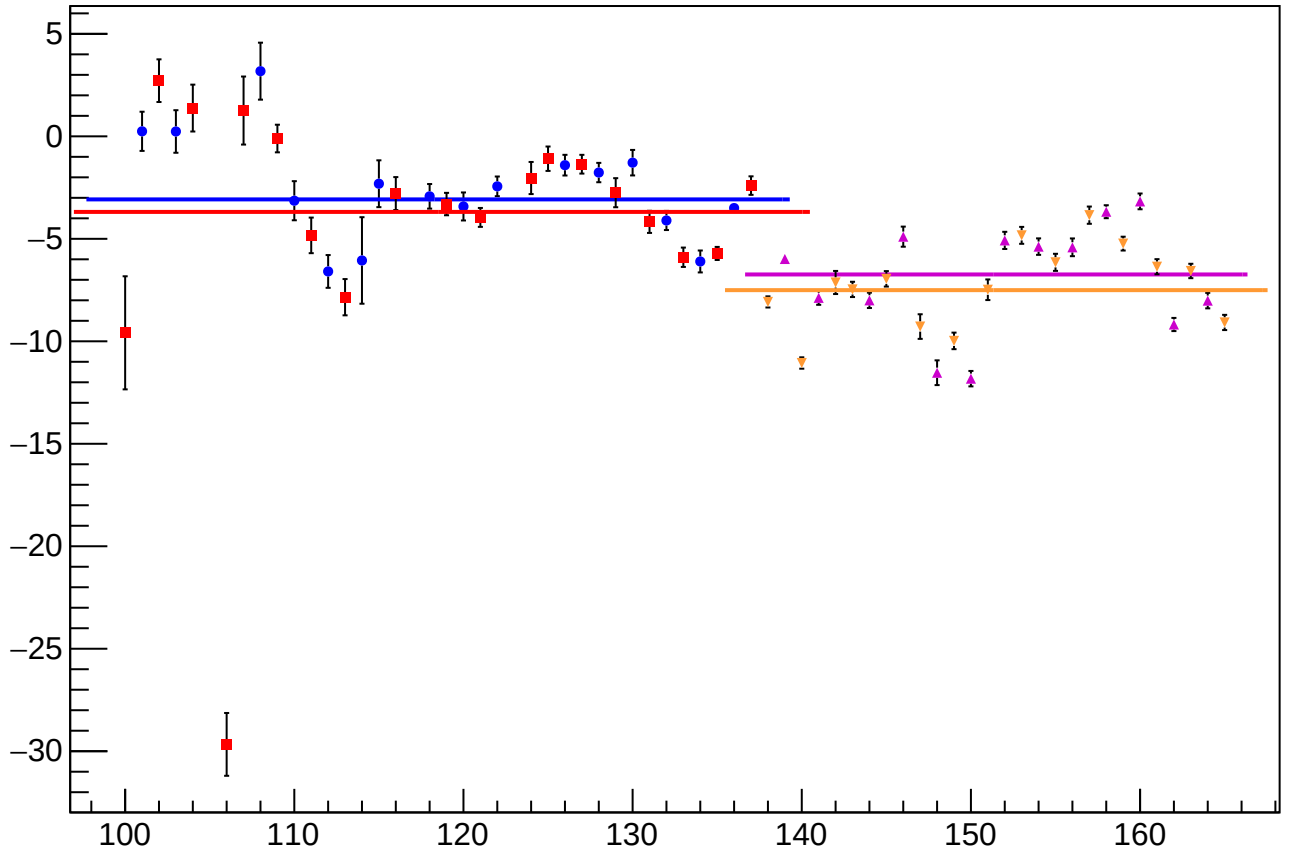
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

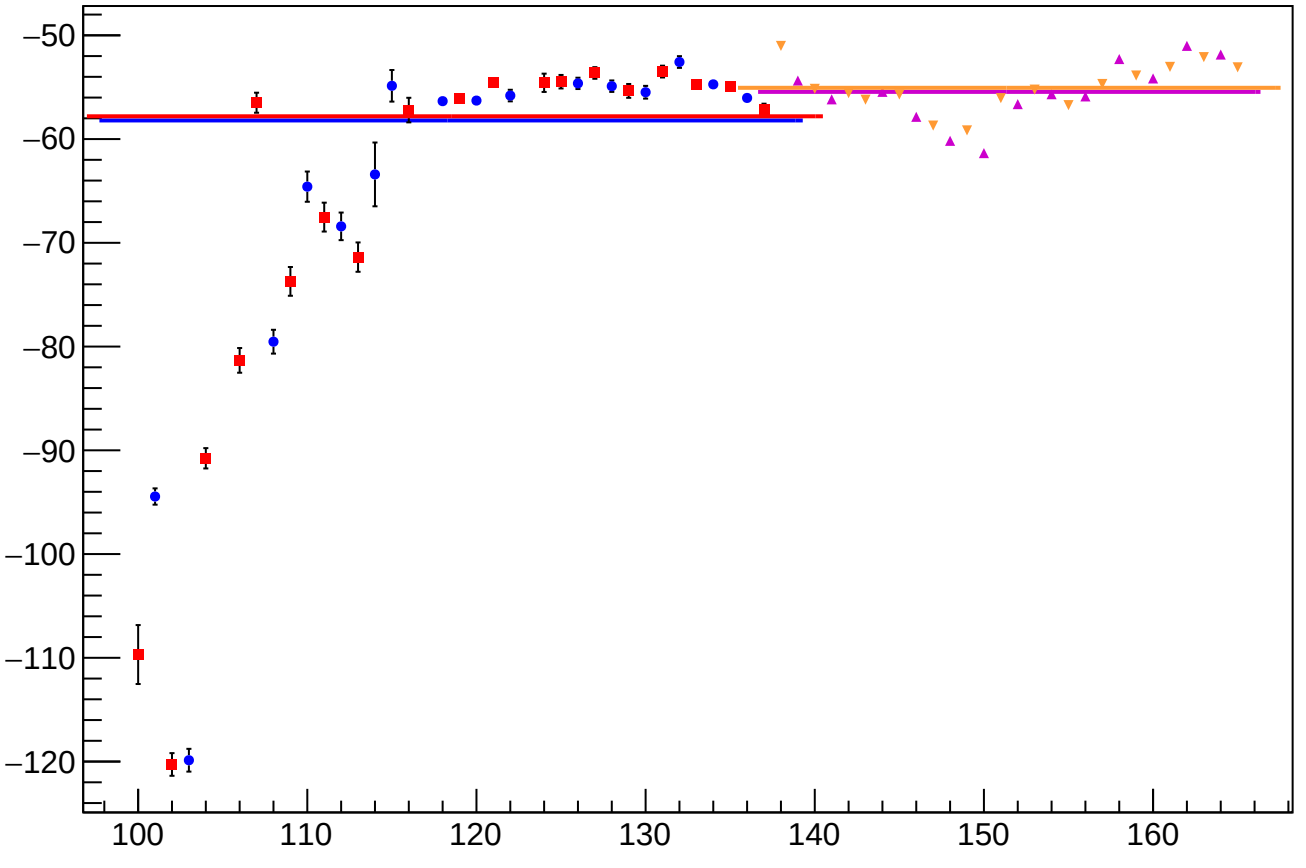
In: 0.000+/-0.000 χ^2/NDF:18.4/28

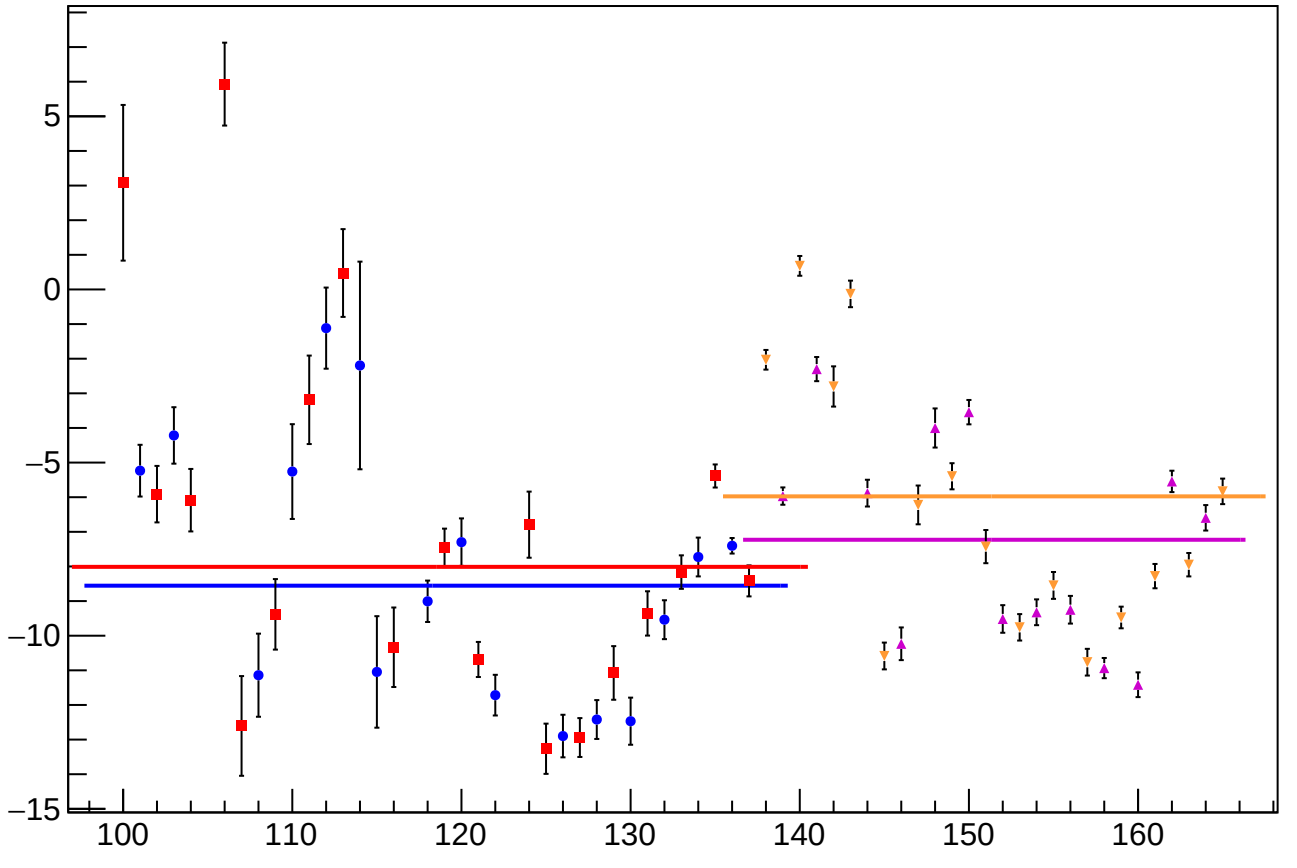
Out: 0.000+/-0.000 χ^2/NDF:37.5/33

All: 0.000+/-0.000 χ^2/NDF: 55.9/62


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
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1247068.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:956873.3/12
Left: 0.000+/-0.000 χ²/NDF: 2300364.5/27
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4880677.2/28
Out: 0.000+/-0.000 χ²/NDF:5942120.2/33
All: 0.000+/-0.000 χ²/NDF: 10929224.0/62


reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: -3.077+/-0.135 χ²/NDF: 133.8/15
Left Out: -7.504+/-0.097 χ²/NDF:425.6/14
Right Out: -3.687+/-0.140 χ²/NDF: 534.8/18
Left In: -6.739+/-0.101 χ²/NDF:577.1/12
Left: -7.136+/-0.070 χ²/NDF: 1032.4/27
Right: -3.371+/-0.097 χ²/NDF: 678.4/34
In: -5.425+/-0.081 χ²/NDF:1181.1/28
Out: -6.263+/-0.080 χ²/NDF:1460.6/33
All: -5.849+/-0.057 χ²/NDF: 2695.9/62


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
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.057+/-0.071 χ²/NDF:926.6/14
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -55.451+/-0.076 χ²/NDF:1593.6/12
Left: -55.242+/-0.052 χ²/NDF: 2534.4/27
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -56.109+/-0.066 χ²/NDF:8034.4/28
Out: -55.634+/-0.063 χ²/NDF:7030.0/33
All: -55.861+/-0.046 χ²/NDF: 15091.2/62



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.976+/-0.095 χ^2/NDF:1651.0/14

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.229+/-0.098 χ^2/NDF:841.3/12

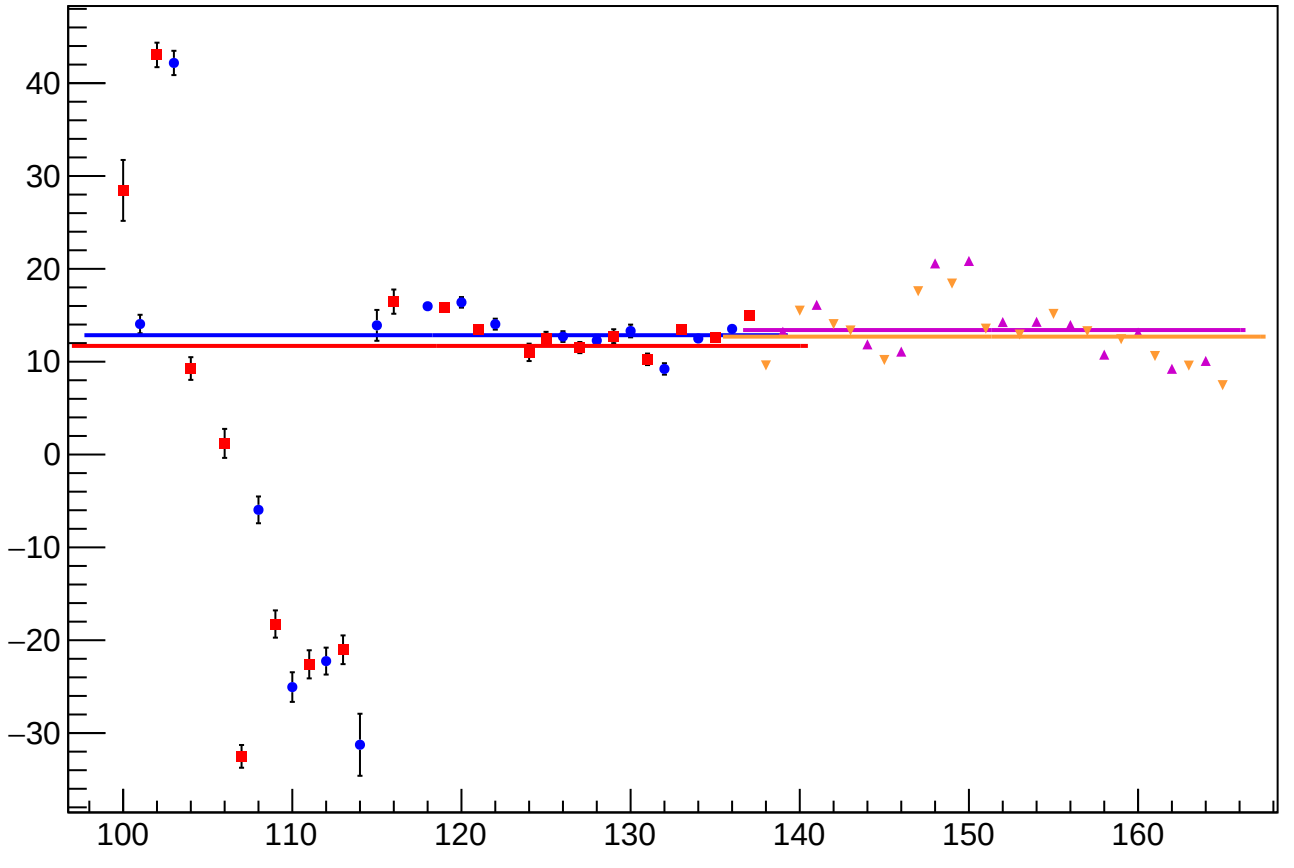
Left: -6.583+/-0.068 χ^2/NDF: 2576.4/27

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.647+/-0.081 χ^2/NDF:1199.5/28

Out: -6.544+/-0.081 χ^2/NDF:2268.1/33

All: -7.093+/-0.057 χ^2/NDF: 3560.2/62



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.699+/-0.081 χ^2/NDF:1281.9/14

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.408+/-0.085 χ^2/NDF:1630.2/12

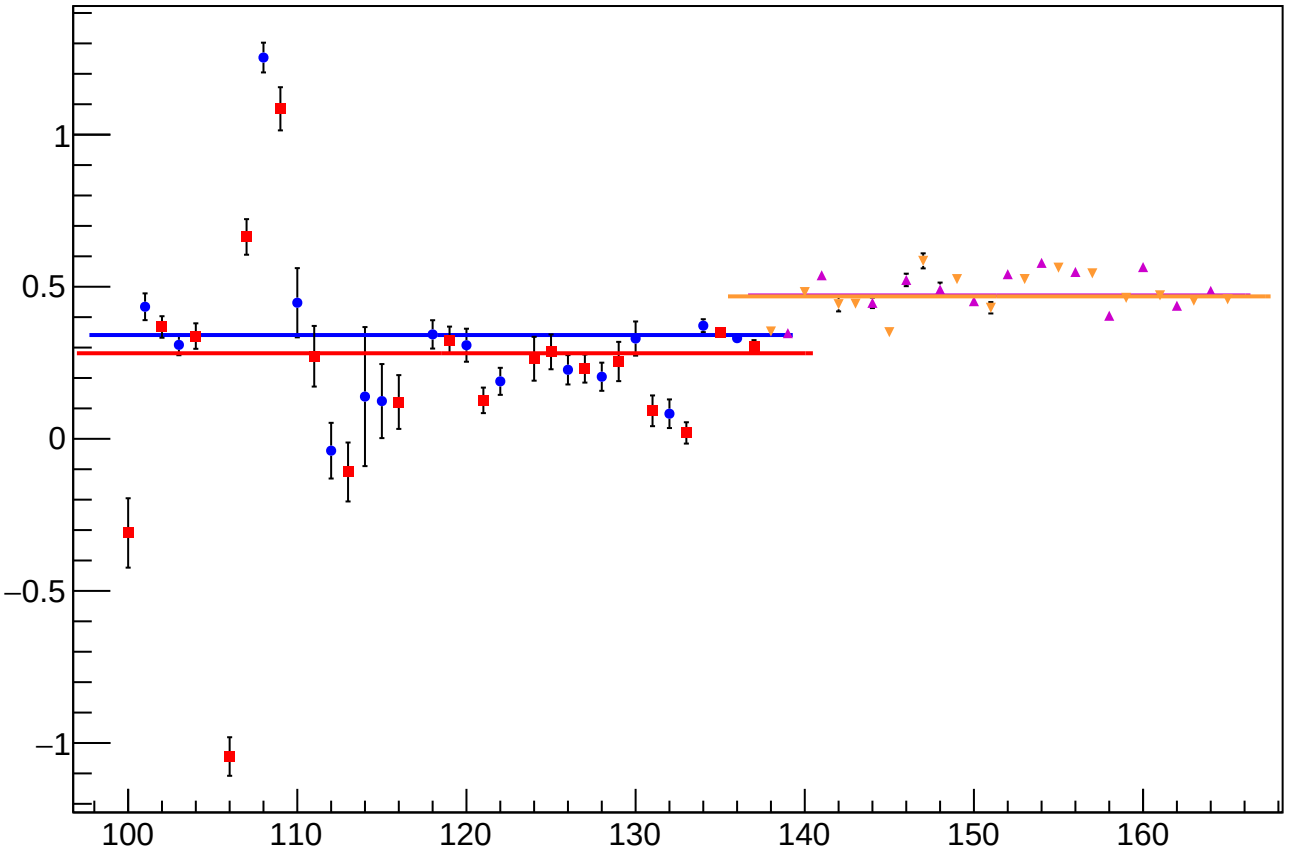
Left: 13.035+/-0.059 χ^2/NDF: 2948.4/27

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.273+/-0.074 χ^2/NDF:3768.9/28

Out: 12.484+/-0.072 χ^2/NDF:4813.3/33

All: 12.866+/-0.052 χ^2/NDF: 8640.5/62



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.468+/-0.004 χ^2/NDF:323.9/14

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.471+/-0.004 χ^2/NDF:465.5/12

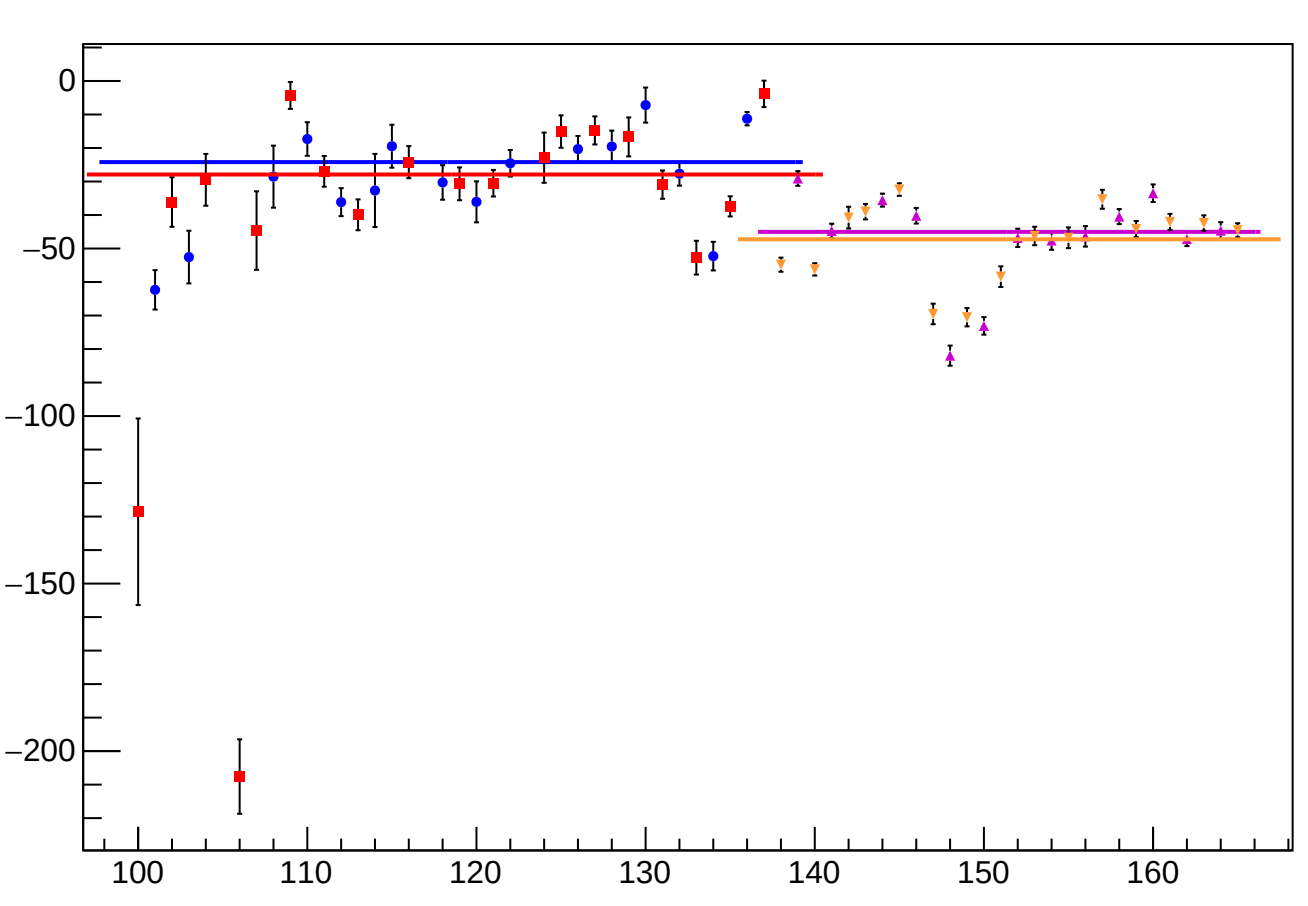
Left: 0.470+/-0.003 χ^2/NDF: 789.8/27

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.449+/-0.003 χ^2/NDF:1125.9/28

Out: 0.440+/-0.003 χ^2/NDF:1514.9/33

All: 0.444+/-0.002 χ^2/NDF: 2644.3/62



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.245+/-0.624 χ^2/NDF:285.3/14

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -45.029+/-0.670 χ^2/NDF:372.4/12

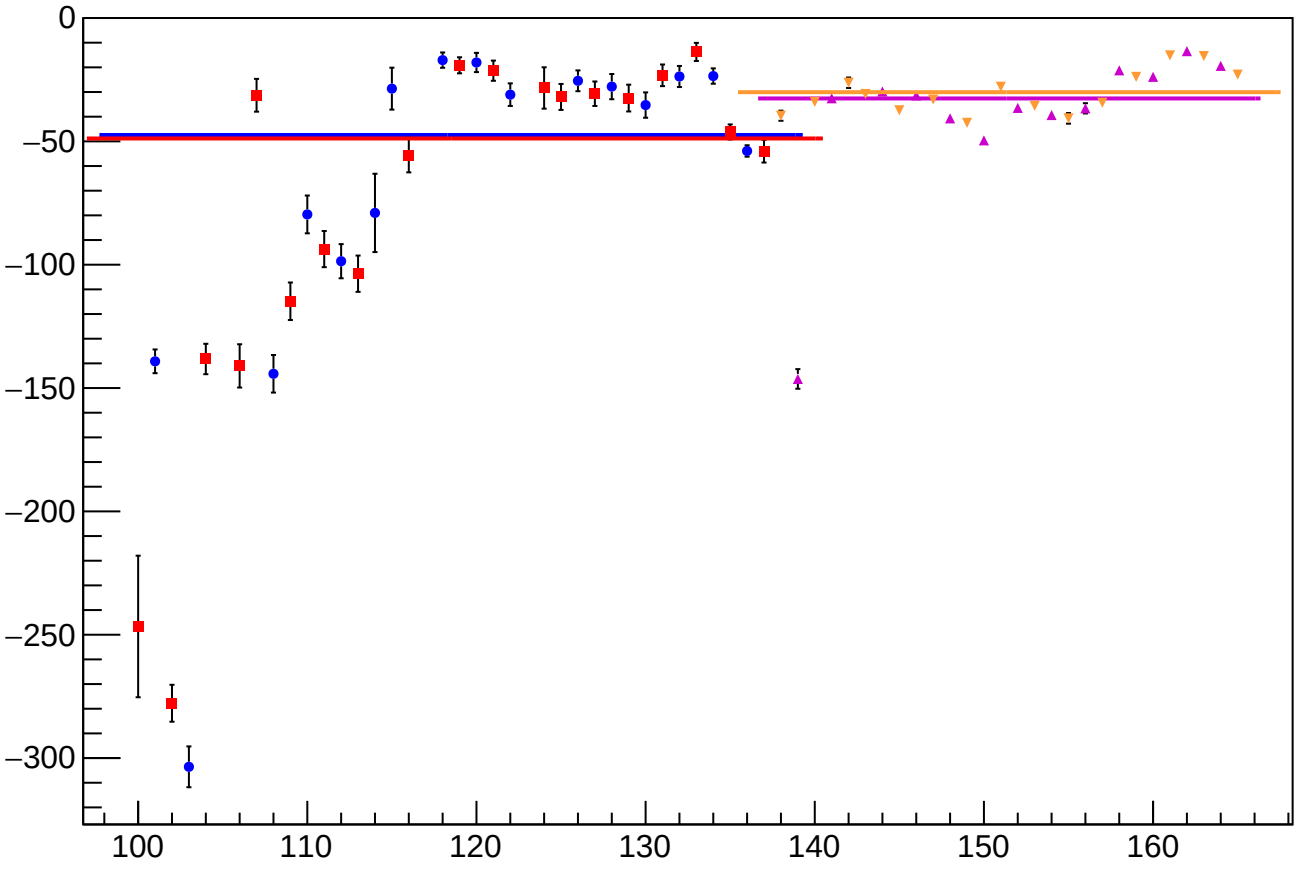
Left: -46.215+/-0.457 χ^2/NDF: 663.5/27

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.290+/-0.570 χ^2/NDF:809.3/28

Out: -42.767+/-0.547 χ^2/NDF:921.0/33

All: -41.101+/-0.395 χ^2/NDF: 1749.6/62



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -30.064+/-0.441 χ^2/NDF:350.6/14

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -32.612+/-0.470 χ^2/NDF:1233.5/12

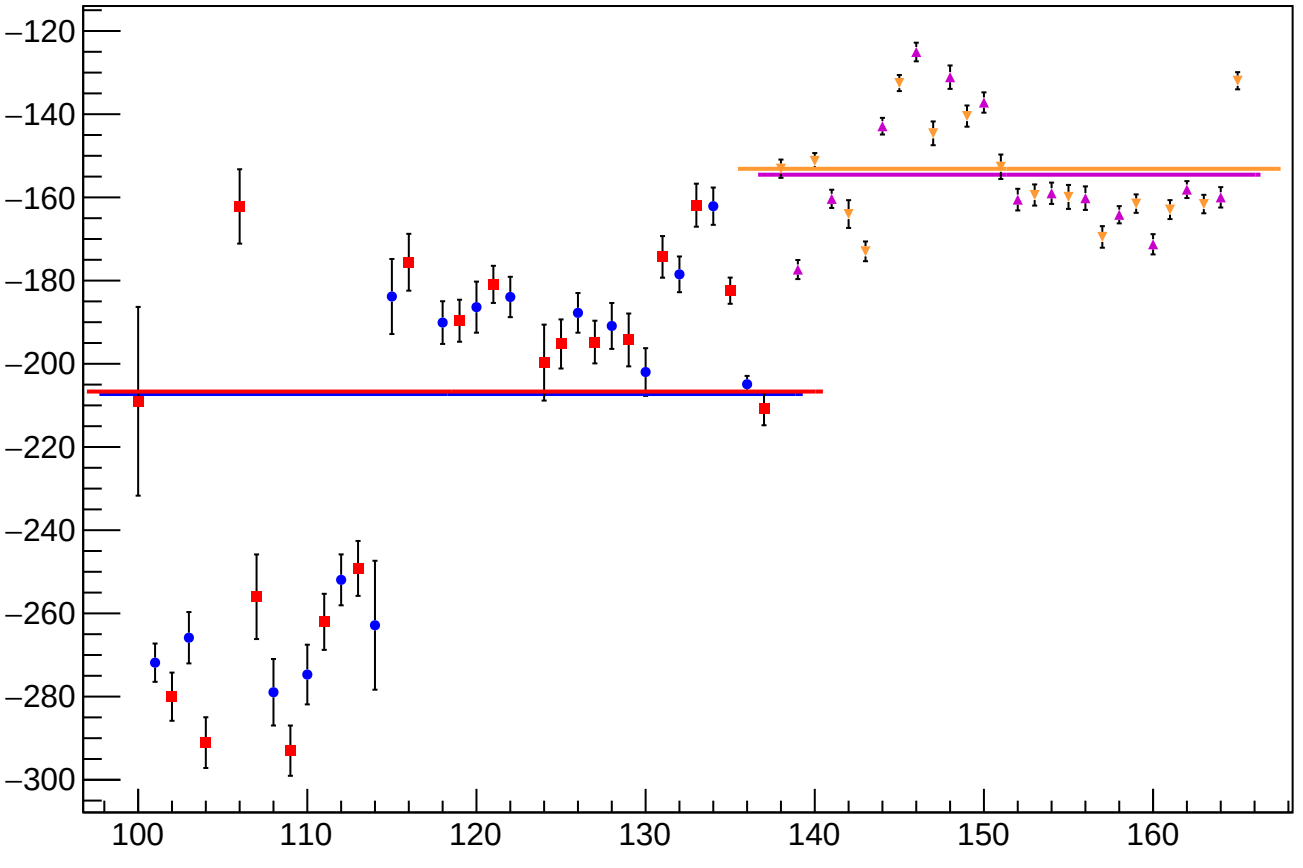
Left: -31.258+/-0.322 χ^2/NDF: 1599.8/27

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -34.892+/-0.432 χ^2/NDF:3260.1/28

Out: -32.356+/-0.413 χ^2/NDF:2346.4/33

All: -33.568+/-0.299 χ^2/NDF: 5624.5/62



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -153.124+/-0.612 χ^2/NDF:432.6/14

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -154.544+/-0.649 χ^2/NDF:521.7/12

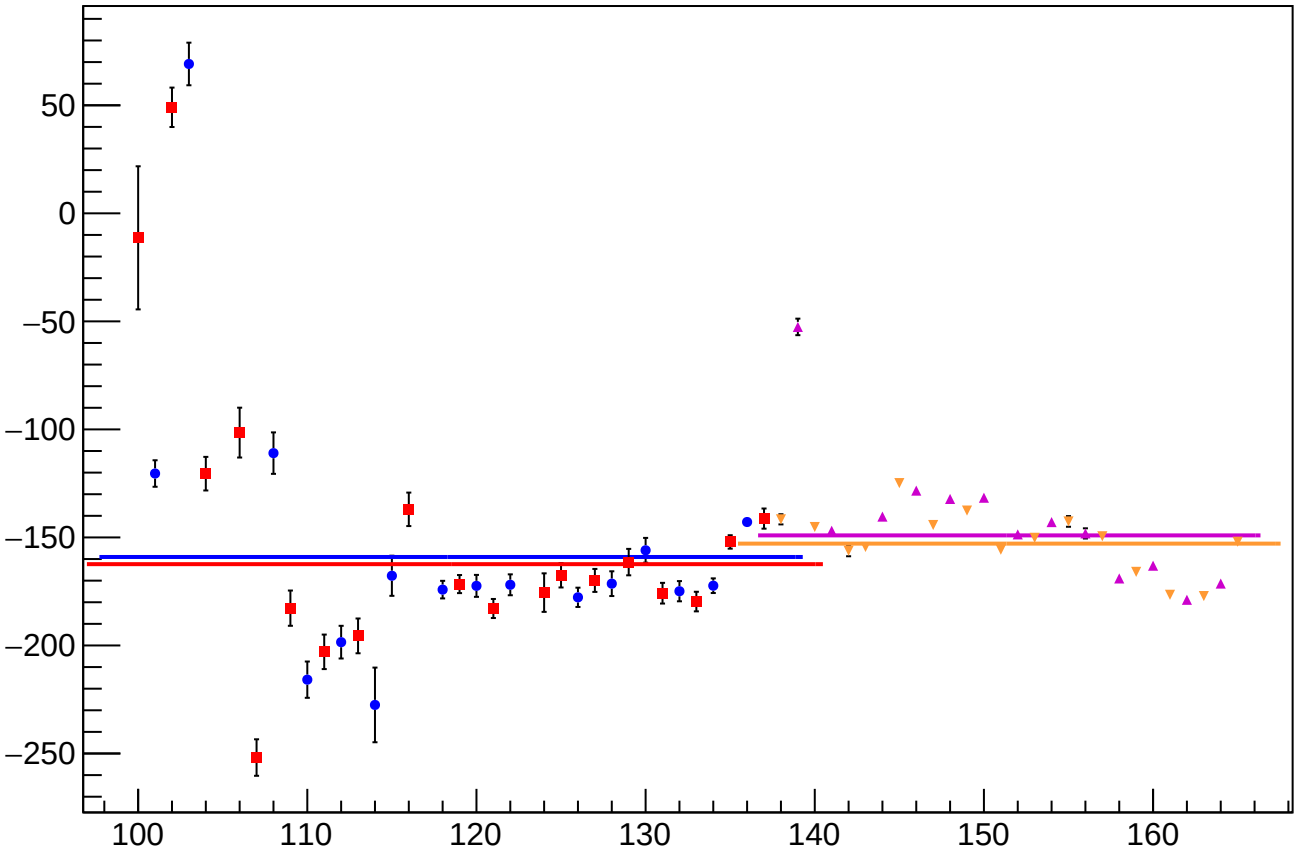
Left: -153.793+/-0.445 χ^2/NDF: 956.9/27

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -166.809+/-0.568 χ^2/NDF:2806.4/28

Out: -163.088+/-0.552 χ^2/NDF:2827.8/33

All: -164.894+/-0.396 χ^2/NDF: 5656.3/62



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -152.866+/-0.508 χ^2/NDF:844.4/14

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -149.056+/-0.541 χ^2/NDF:1602.6/12

Left: -151.080+/-0.370 χ^2/NDF: 2473.4/27

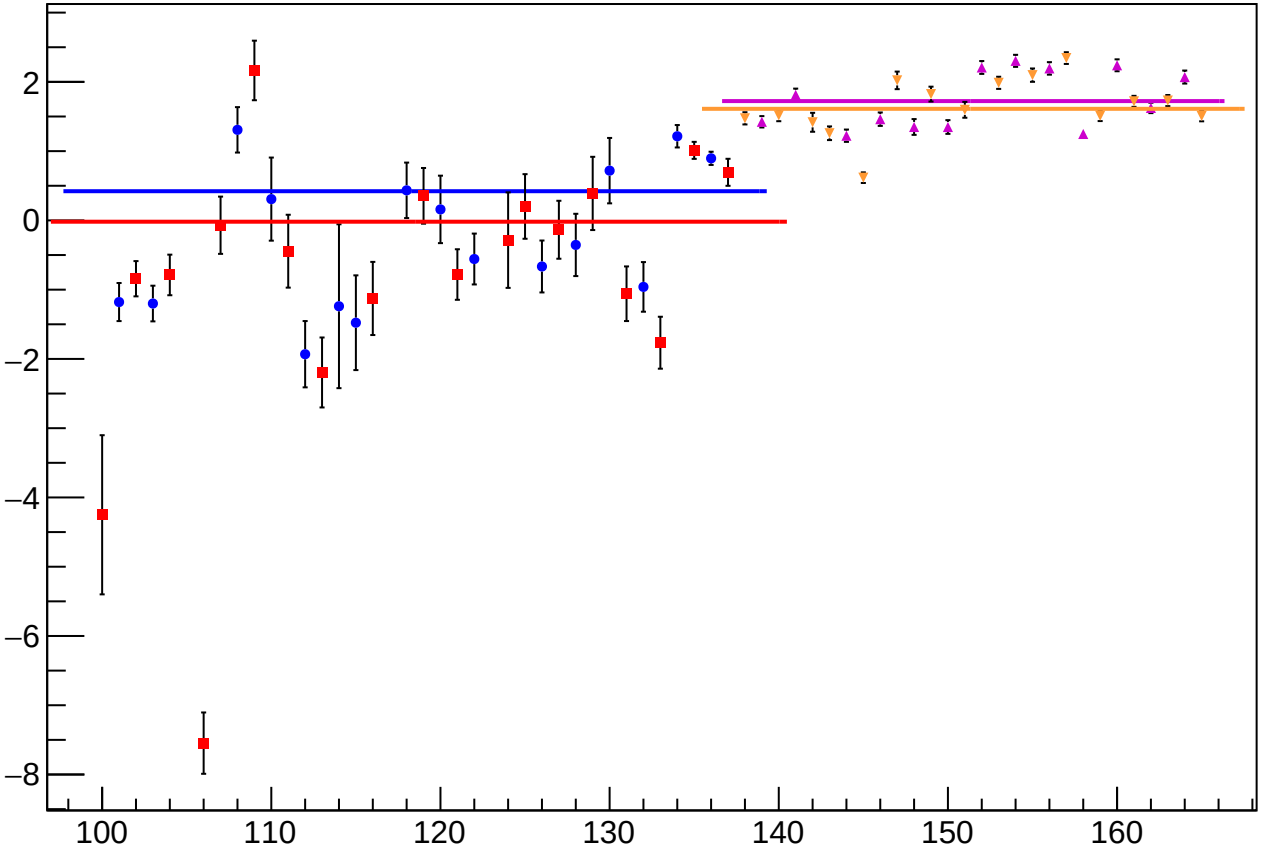
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -150.686+/-0.495 χ^2/NDF:2474.0/28

Out: -154.087+/-0.475 χ^2/NDF:1761.9/33

All: -152.458+/-0.343 χ^2/NDF: 4260.5/62

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.611+/-0.023 χ^2/NDF:327.0/14

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.722+/-0.024 χ^2/NDF:272.0/12

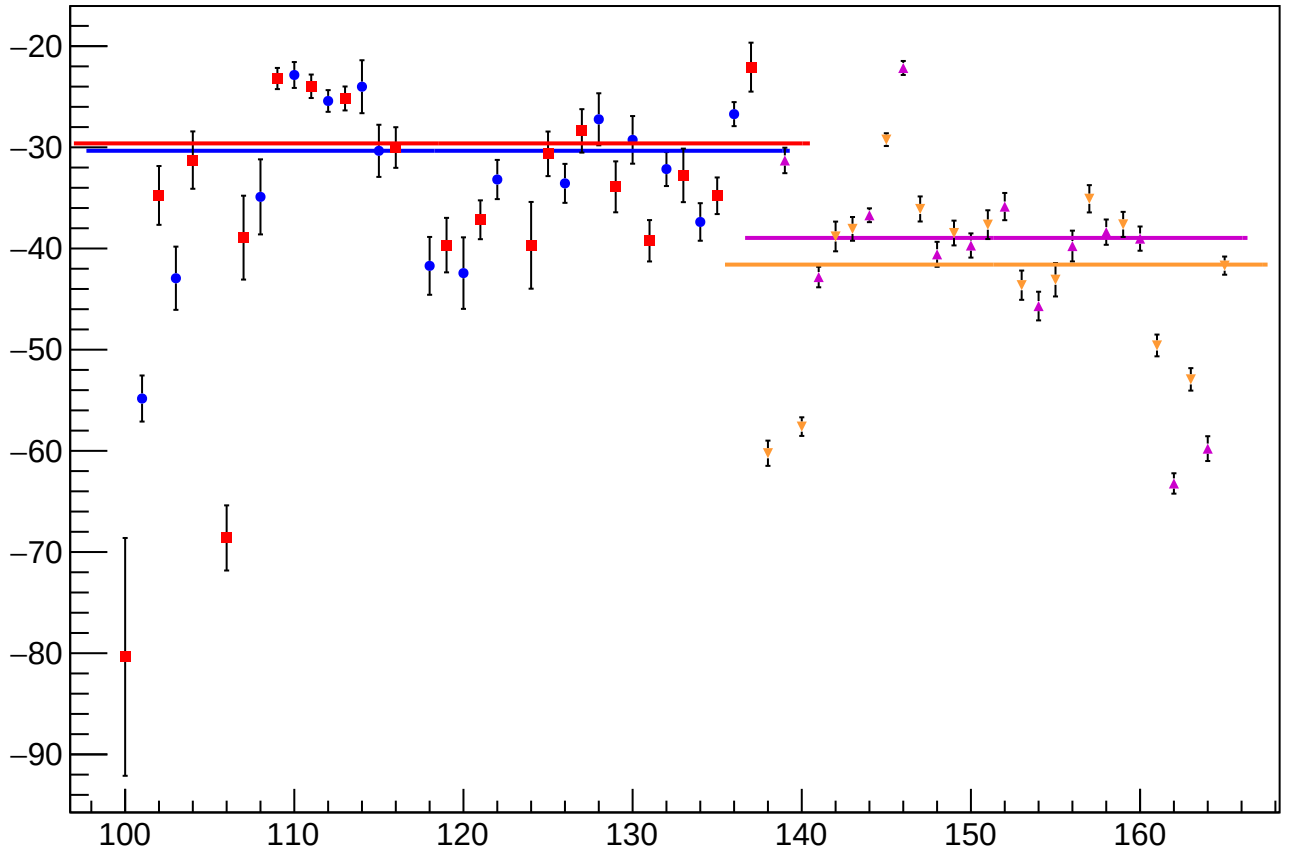
Left: 1.664+/-0.017 χ^2/NDF: 609.9/27

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.560+/-0.023 χ^2/NDF:822.4/28

Out: 1.458+/-0.022 χ^2/NDF:1275.5/33

All: 1.508+/-0.016 χ^2/NDF: 2108.2/62



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -41.591+/-0.285 χ^2/NDF:1150.3/14

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -38.955+/-0.293 χ^2/NDF:1552.0/12

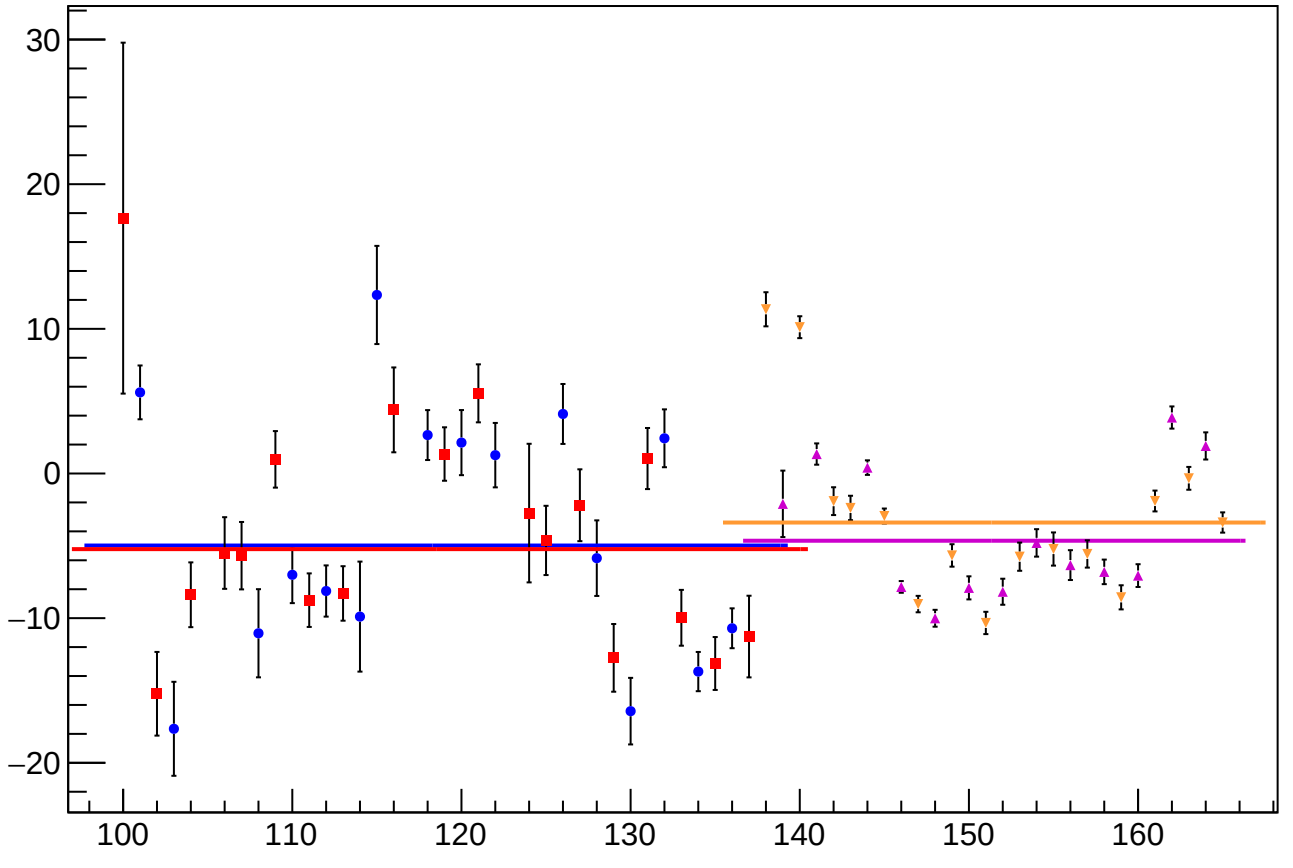
Left: -40.308+/-0.204 χ^2/NDF: 2743.9/27

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -36.529+/-0.248 χ^2/NDF:2049.1/28

Out: -38.162+/-0.241 χ^2/NDF:1984.2/33

All: -37.370+/-0.173 χ^2/NDF: 4055.5/62



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.390+/-0.200 χ^2/NDF:738.9/14

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -4.648+/-0.197 χ^2/NDF:537.6/12

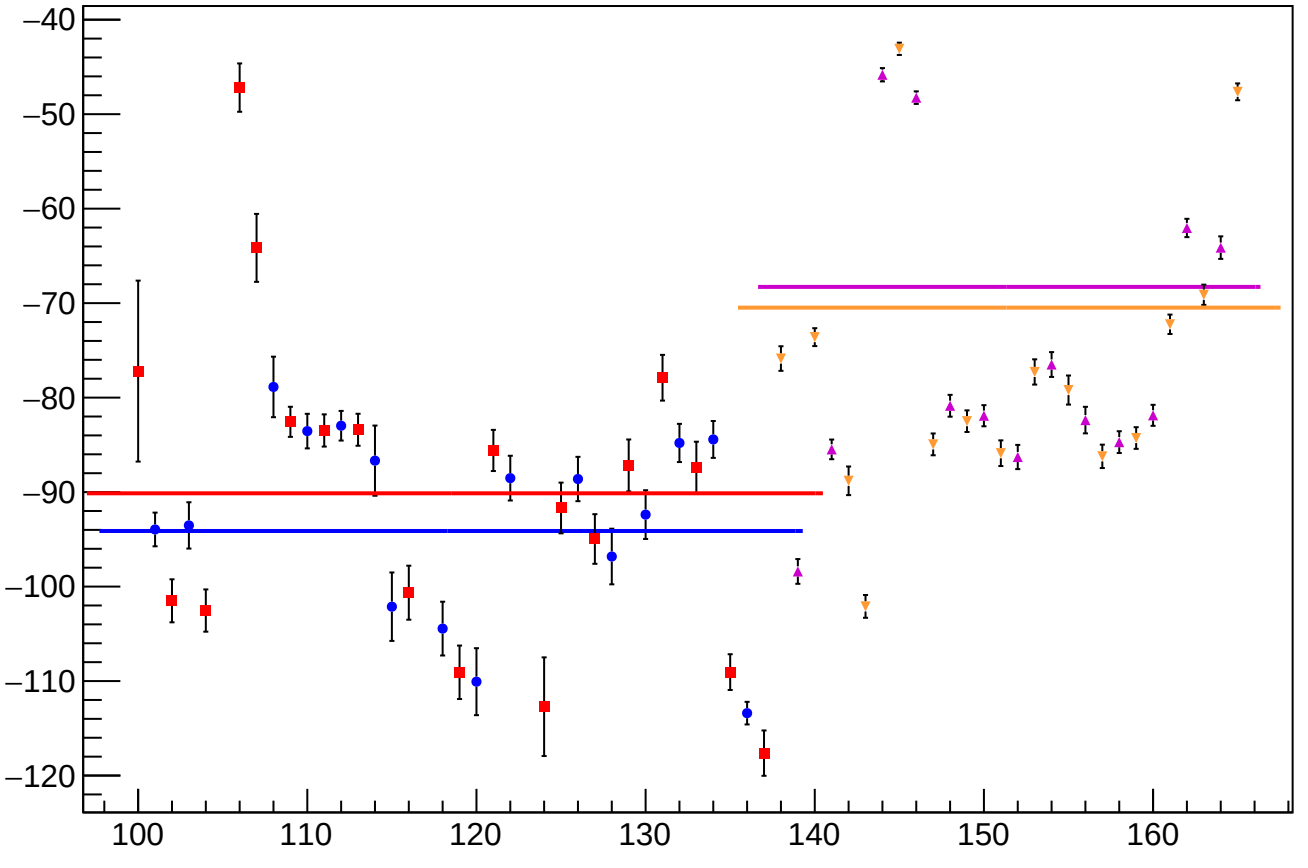
Left: -4.027+/-0.140 χ^2/NDF: 1296.6/27

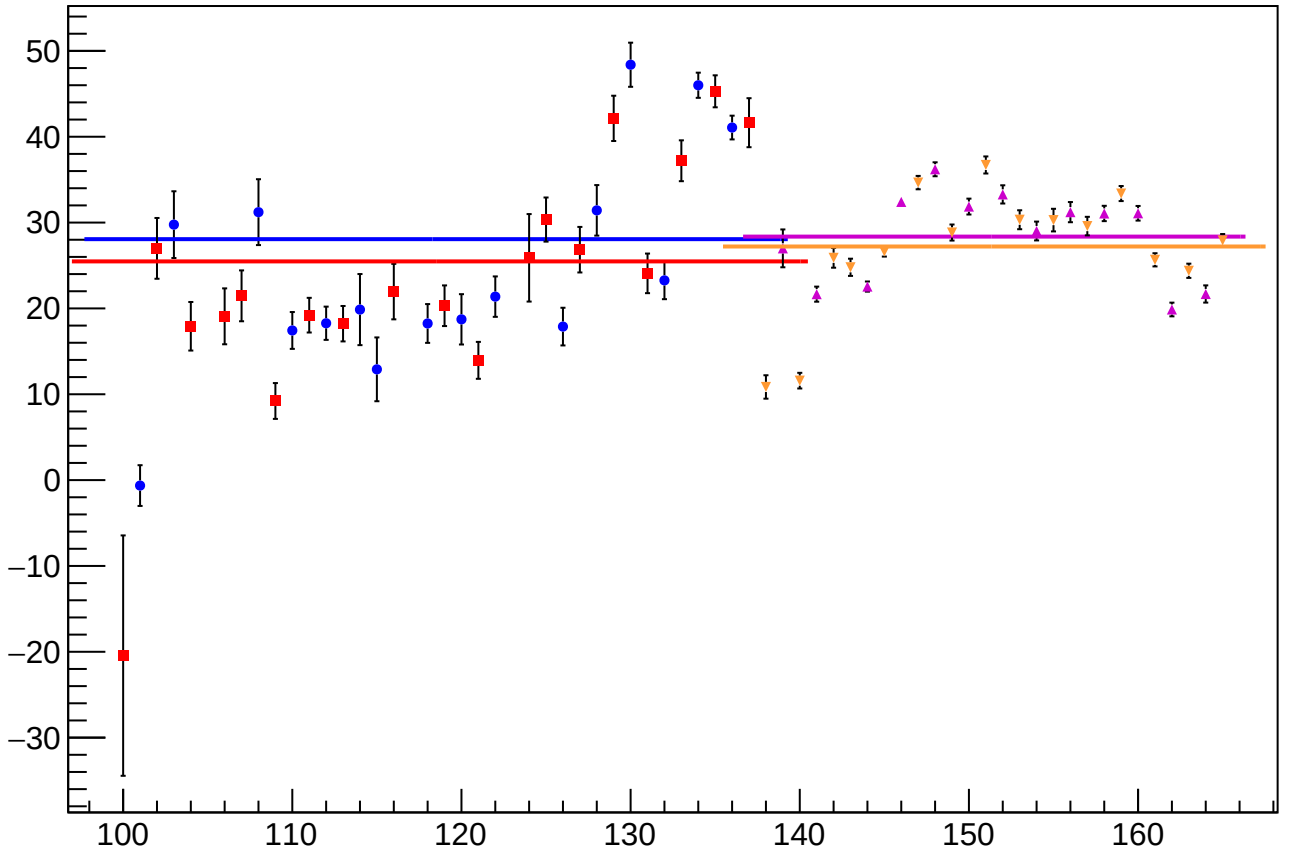
Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.691+/-0.184 χ^2/NDF:775.3/28

Out: -3.623+/-0.187 χ^2/NDF:886.2/33

All: -4.165+/-0.131 χ^2/NDF: 1678.1/62


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -70.476+/-0.280 χ²/NDF:4056.0/14
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -68.281+/-0.285 χ²/NDF:3732.4/12
Left: -69.395+/-0.200 χ²/NDF: 7818.6/27
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -73.945+/-0.251 χ²/NDF:6006.1/28
Out: -74.614+/-0.249 χ²/NDF:5879.5/33
All: -74.282+/-0.177 χ²/NDF: 11889.2/62



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.213+/-0.232 χ^2/NDF:715.2/14

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 28.366+/-0.232 χ^2/NDF:530.4/12

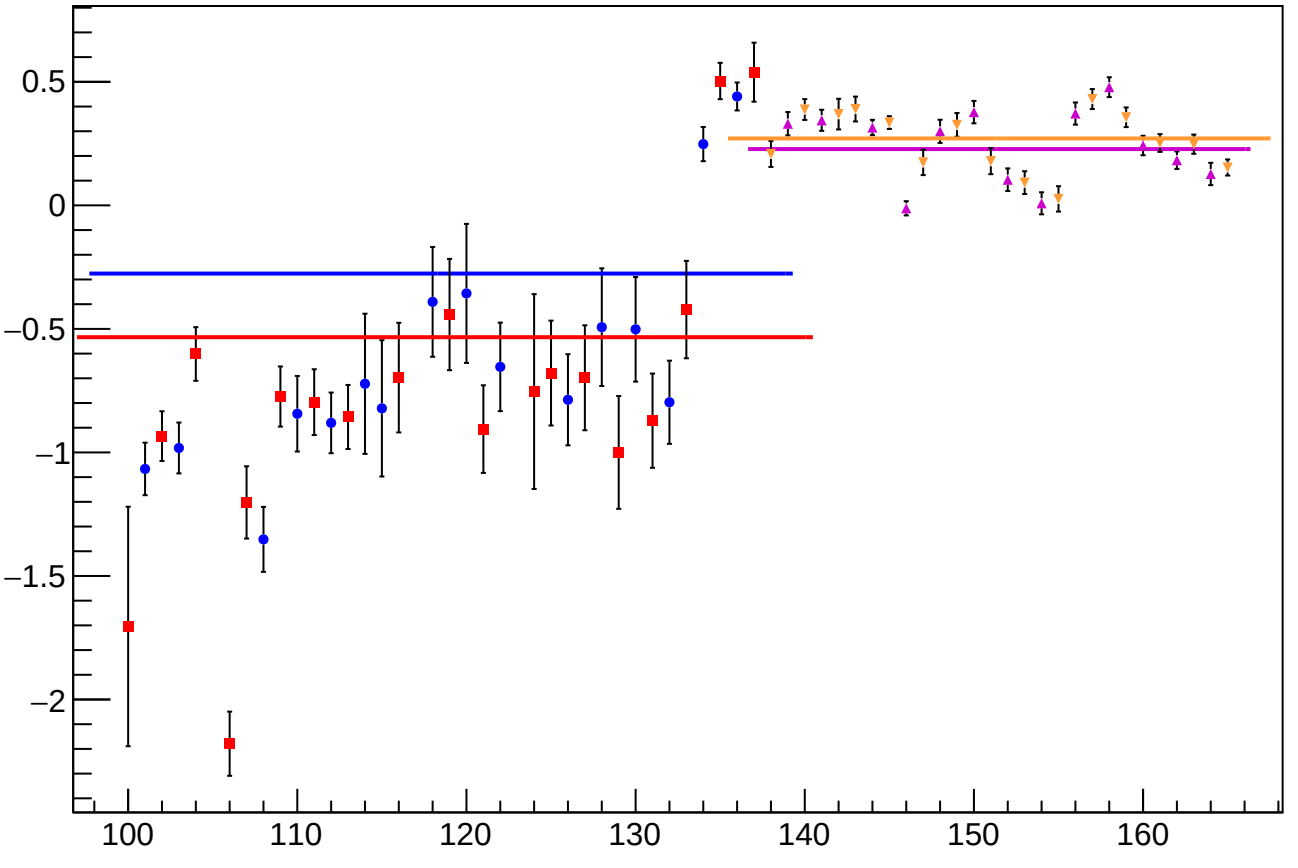
Left: 27.787+/-0.164 χ^2/NDF: 1257.9/27

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.323+/-0.215 χ^2/NDF:1113.7/28

Out: 26.981+/-0.216 χ^2/NDF:1077.3/33

All: 27.654+/-0.152 χ^2/NDF: 2210.4/62



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.271+/-0.011 χ^2/NDF:102.9/14

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.228+/-0.011 χ^2/NDF:189.8/12

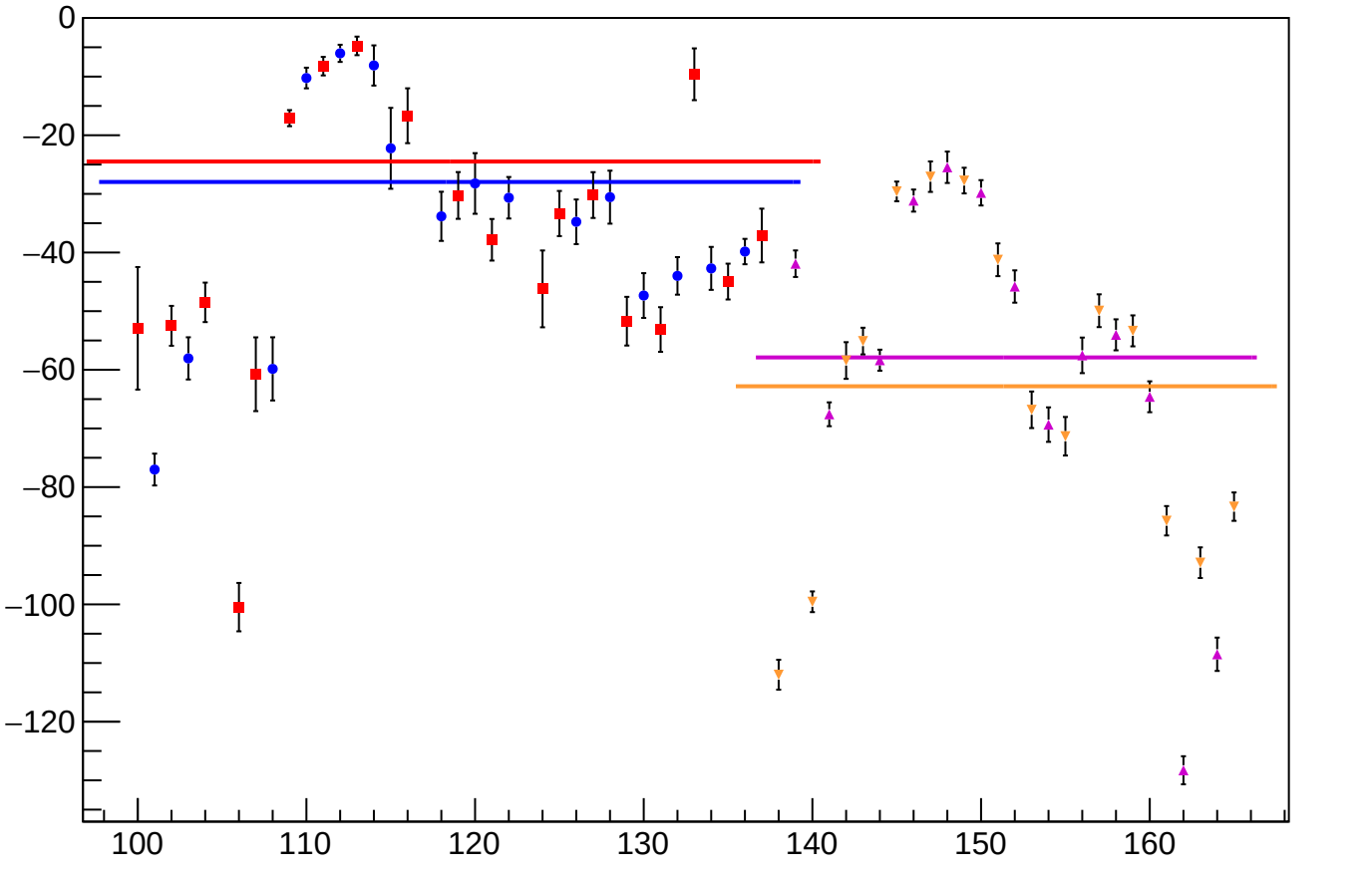
Left: 0.250+/-0.008 χ^2/NDF: 300.5/27

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

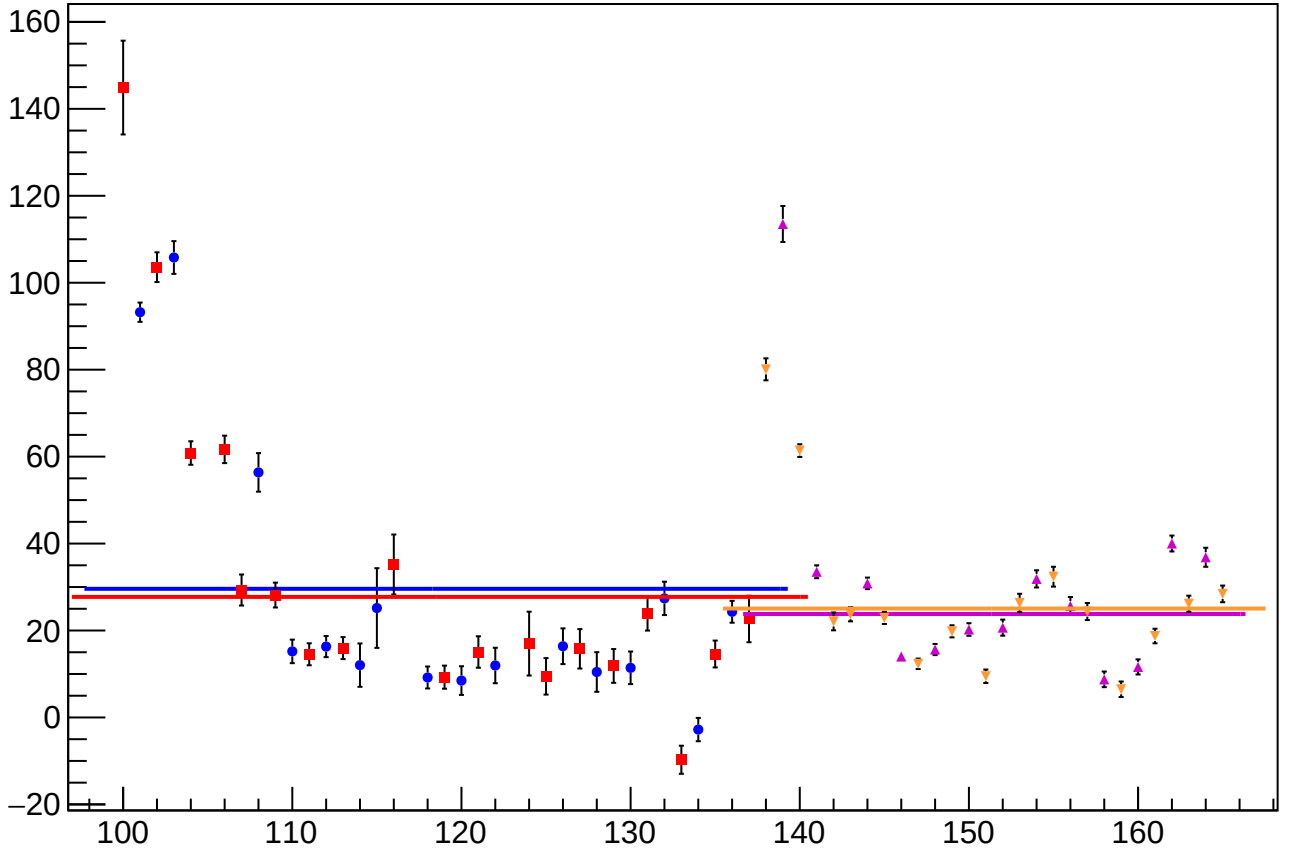
In: 0.170+/-0.010 χ^2/NDF:884.8/28

Out: 0.194+/-0.010 χ^2/NDF:1155.4/33

All: 0.182+/-0.007 χ^2/NDF: 2042.8/62


reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -27.967+/-0.728 χ²/NDF: 894.7/15
Left Out: -62.808+/-0.626 χ²/NDF:2047.1/14
Right Out: -24.485+/-0.663 χ²/NDF: 989.7/18
Left In: -57.889+/-0.656 χ²/NDF:1817.9/12
Left: -60.463+/-0.453 χ²/NDF: 3894.4/27
Right: -26.064+/-0.490 χ²/NDF: 1896.8/34
In: -44.481+/-0.487 χ²/NDF:3645.9/28
Out: -44.747+/-0.455 χ²/NDF:4804.0/33
All: -44.623+/-0.333 χ²/NDF: 8450.1/62

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.055+/-0.436 χ^2/NDF:1456.4/14

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 23.796+/-0.454 χ^2/NDF:912.7/12

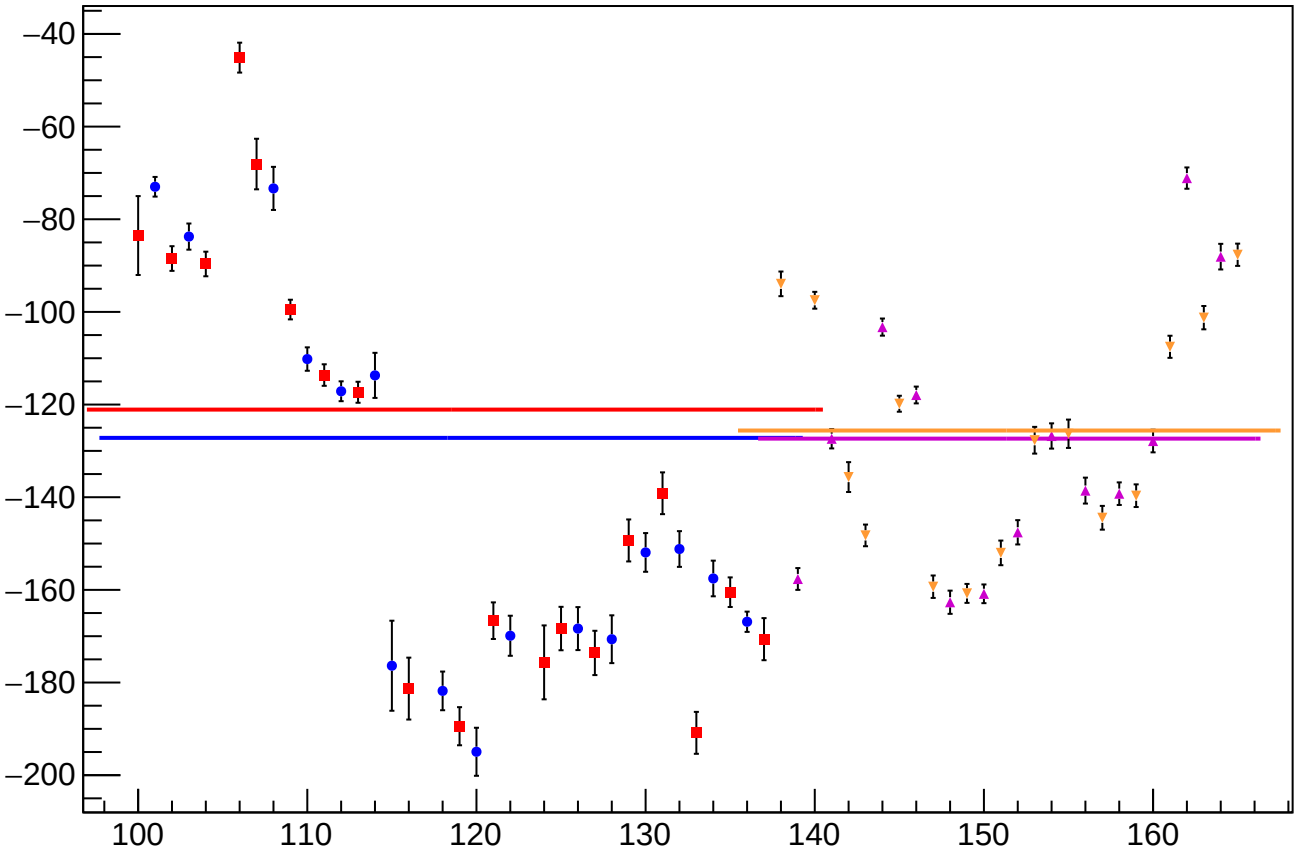
Left: 24.451+/-0.314 χ^2/NDF: 2373.2/27

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.189+/-0.396 χ^2/NDF:2617.6/28

Out: 25.673+/-0.382 χ^2/NDF:2650.2/33

All: 25.439+/-0.275 χ^2/NDF: 5268.6/62



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -125.602+/-0.613 χ^2/NDF:1571.6/14

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -127.353+/-0.636 χ^2/NDF:1735.2/12

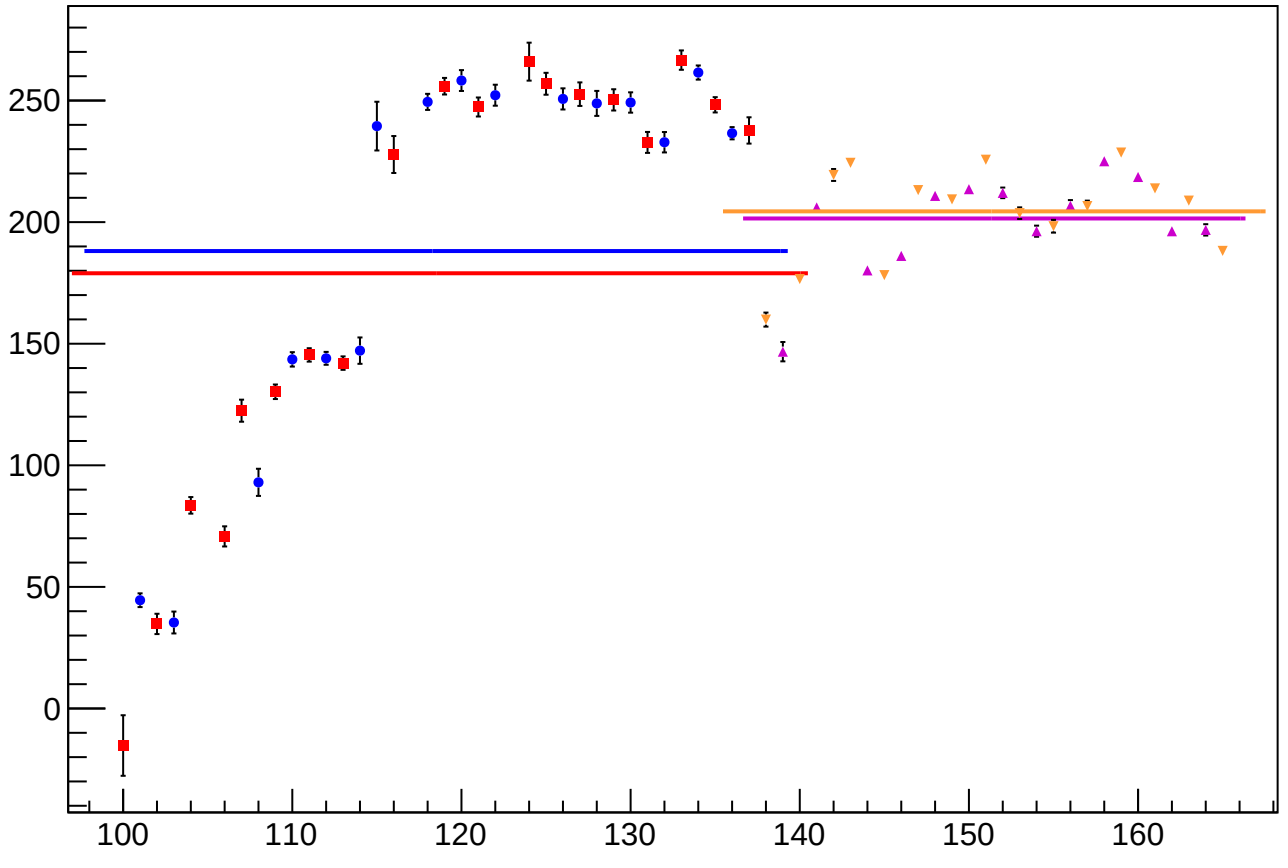
Left: -126.446+/-0.441 χ^2/NDF: 3310.7/27

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -127.293+/-0.505 χ^2/NDF:3913.4/28

Out: -123.927+/-0.486 χ^2/NDF:3989.0/33

All: -125.547+/-0.350 χ^2/NDF: 7925.5/62



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 204.427+/-0.509 χ^2/NDF:1321.8/14

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 201.500+/-0.529 χ^2/NDF:864.0/12

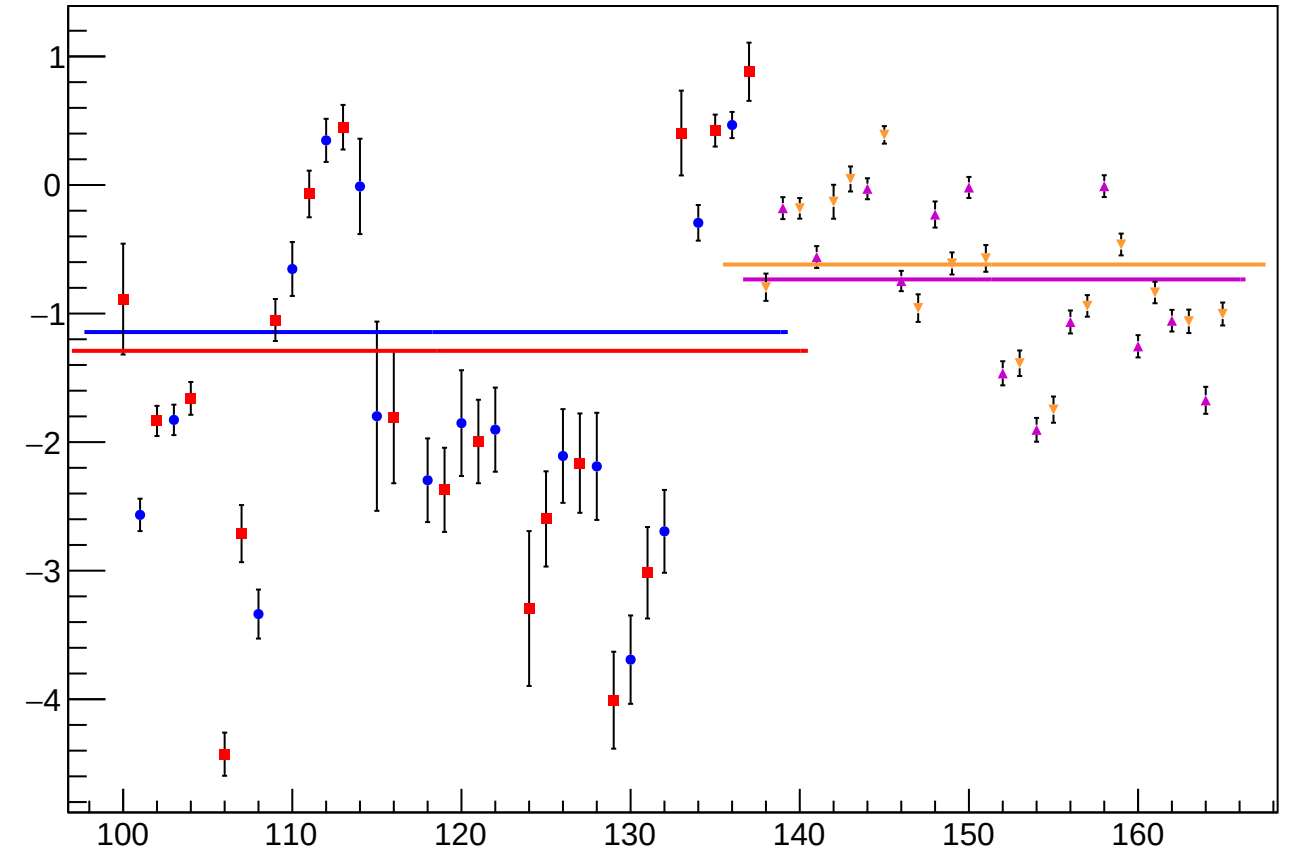
Left: 203.021+/-0.367 χ^2/NDF: 2201.7/27

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 198.162+/-0.458 χ^2/NDF:8142.4/28

Out: 198.349+/-0.444 χ^2/NDF:8588.9/33

All: 198.259+/-0.319 χ^2/NDF: 16731.3/62



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.619+/-0.024 χ^2/NDF:571.3/14

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.734+/-0.024 χ^2/NDF:660.3/12

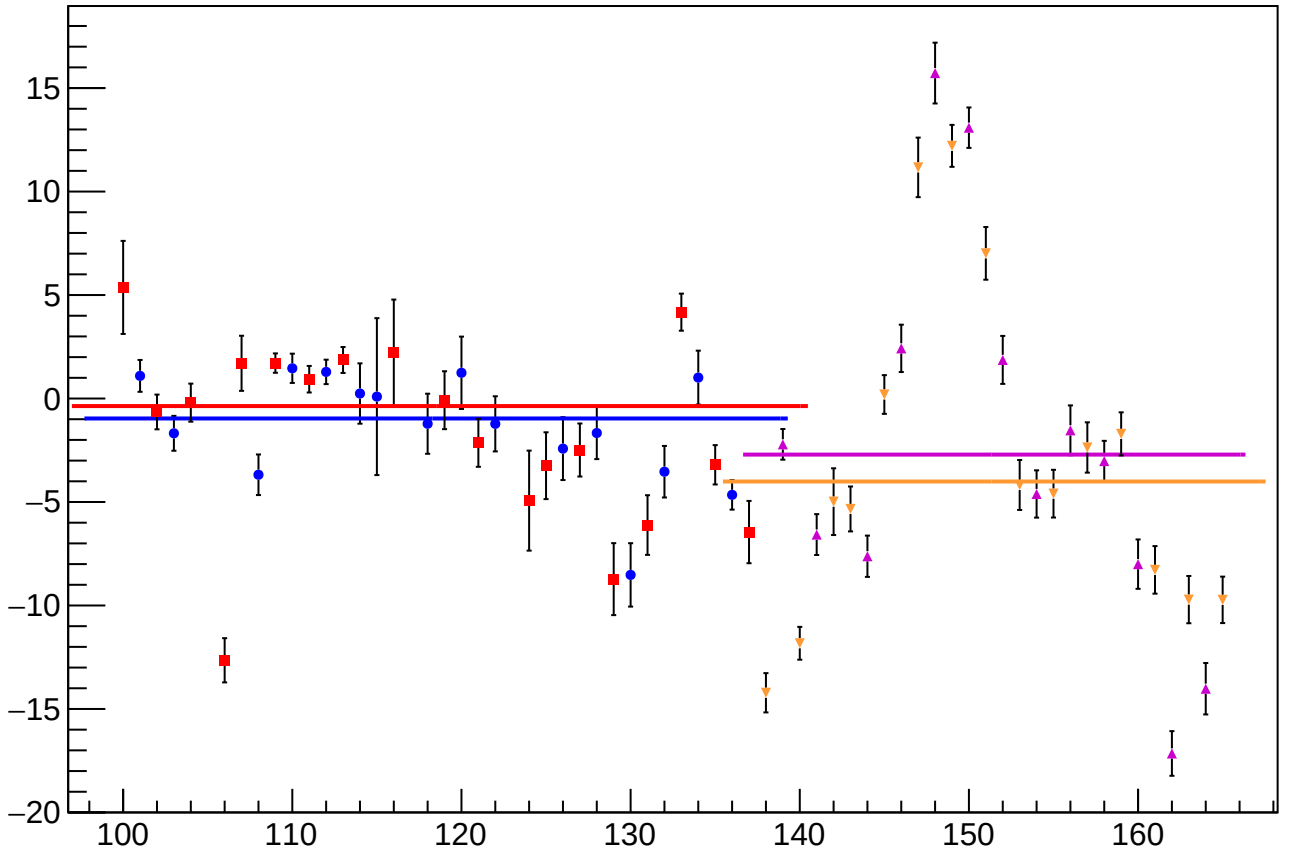
Left: -0.675+/-0.017 χ^2/NDF: 1243.4/27

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.818+/-0.022 χ^2/NDF:1505.6/28

Out: -0.751+/-0.021 χ^2/NDF:1730.3/33

All: -0.784+/-0.015 χ^2/NDF: 3240.7/62



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.010+/-0.283 χ^2/NDF:749.1/14

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -2.709+/-0.294 χ^2/NDF:780.3/12

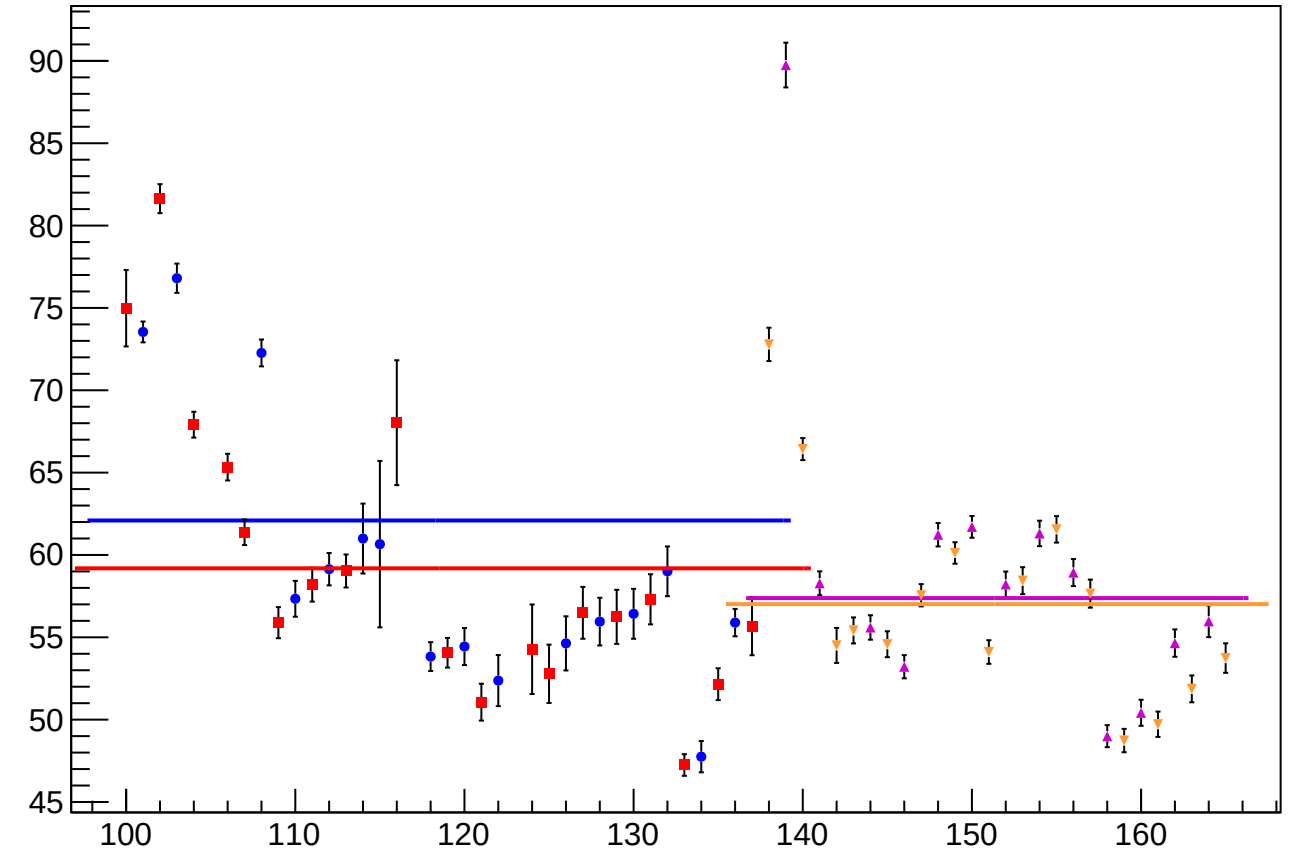
Left: -3.384+/-0.204 χ^2/NDF: 1539.6/27

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.708+/-0.192 χ^2/NDF:903.7/28

Out: -1.768+/-0.175 χ^2/NDF:1131.9/33

All: -1.741+/-0.129 χ^2/NDF: 2035.7/62



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.015+/-0.201 χ^2/NDF:814.0/14

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.381+/-0.215 χ^2/NDF:959.7/12

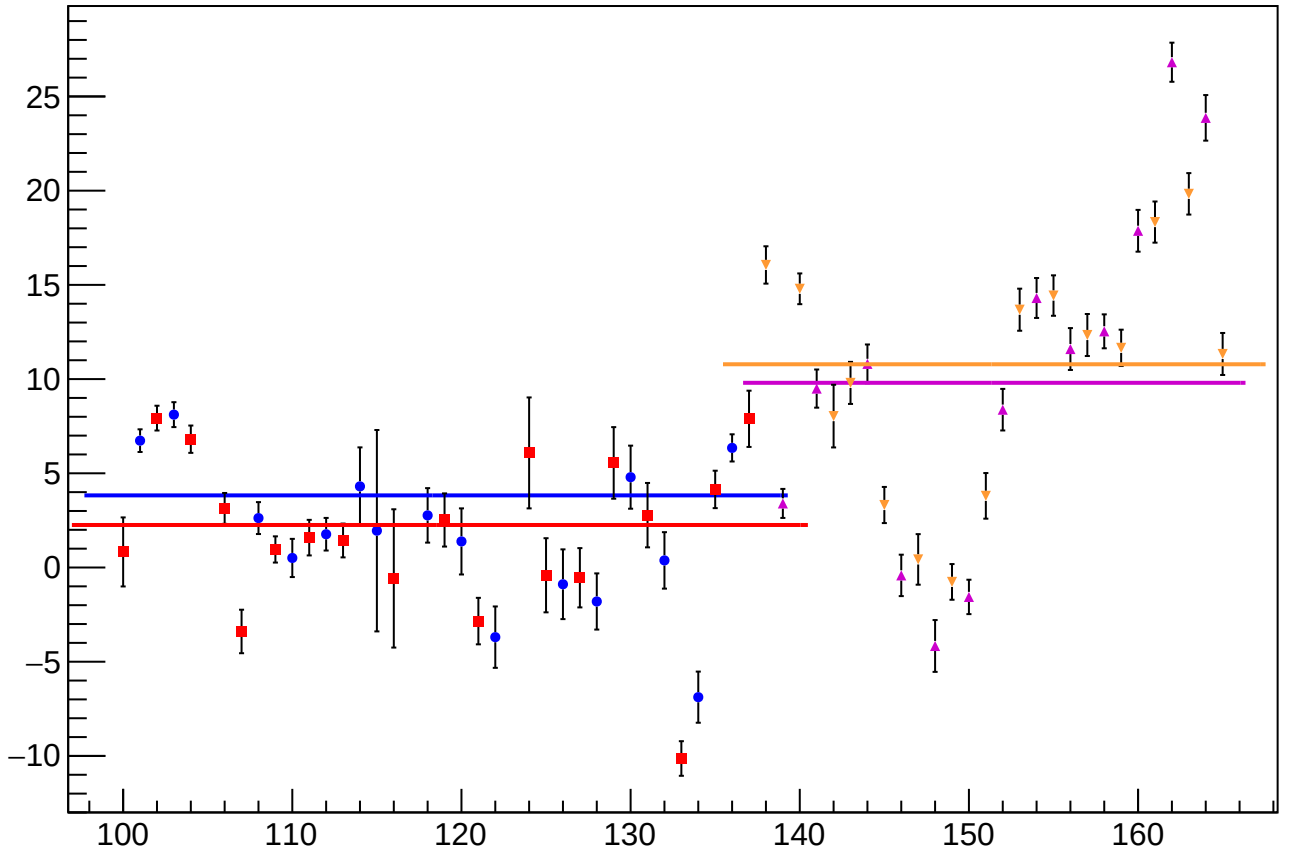
Left: 57.186+/-0.147 χ^2/NDF: 1775.3/27

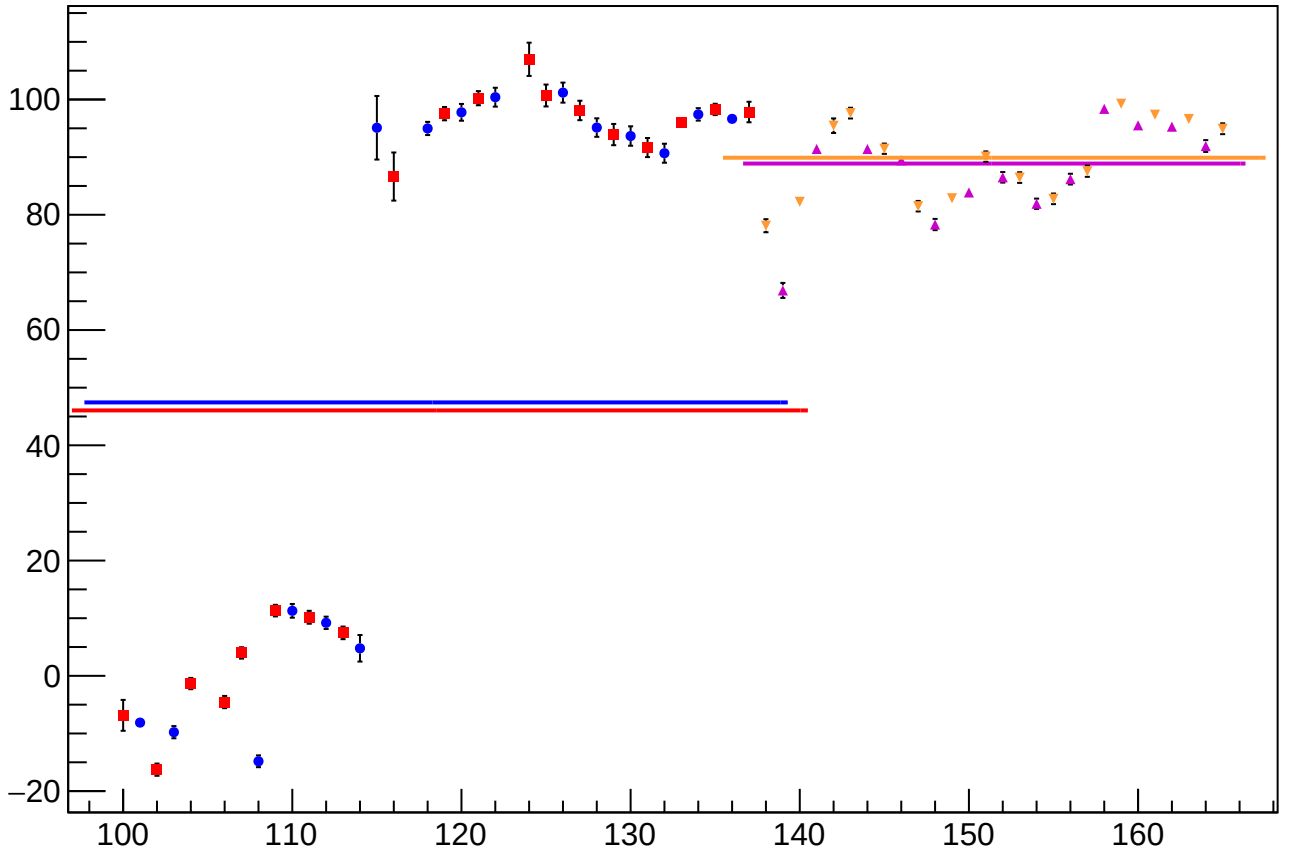
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.246+/-0.167 χ^2/NDF:2451.6/28

Out: 57.897+/-0.155 χ^2/NDF:2263.3/33

All: 58.522+/-0.114 χ^2/NDF: 4749.9/62


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 10.787+/-0.276 χ²/NDF:494.7/14
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 9.802+/-0.285 χ²/NDF:903.3/12
Left: 10.310+/-0.198 χ²/NDF: 1404.2/27
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 6.605+/-0.194 χ²/NDF:1347.7/28
Out: 6.043+/-0.184 χ²/NDF:1398.4/33
All: 6.309+/-0.133 χ²/NDF: 2750.5/62



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.897+/-0.232 χ^2/NDF:867.5/14

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 88.884+/-0.245 χ^2/NDF:845.6/12

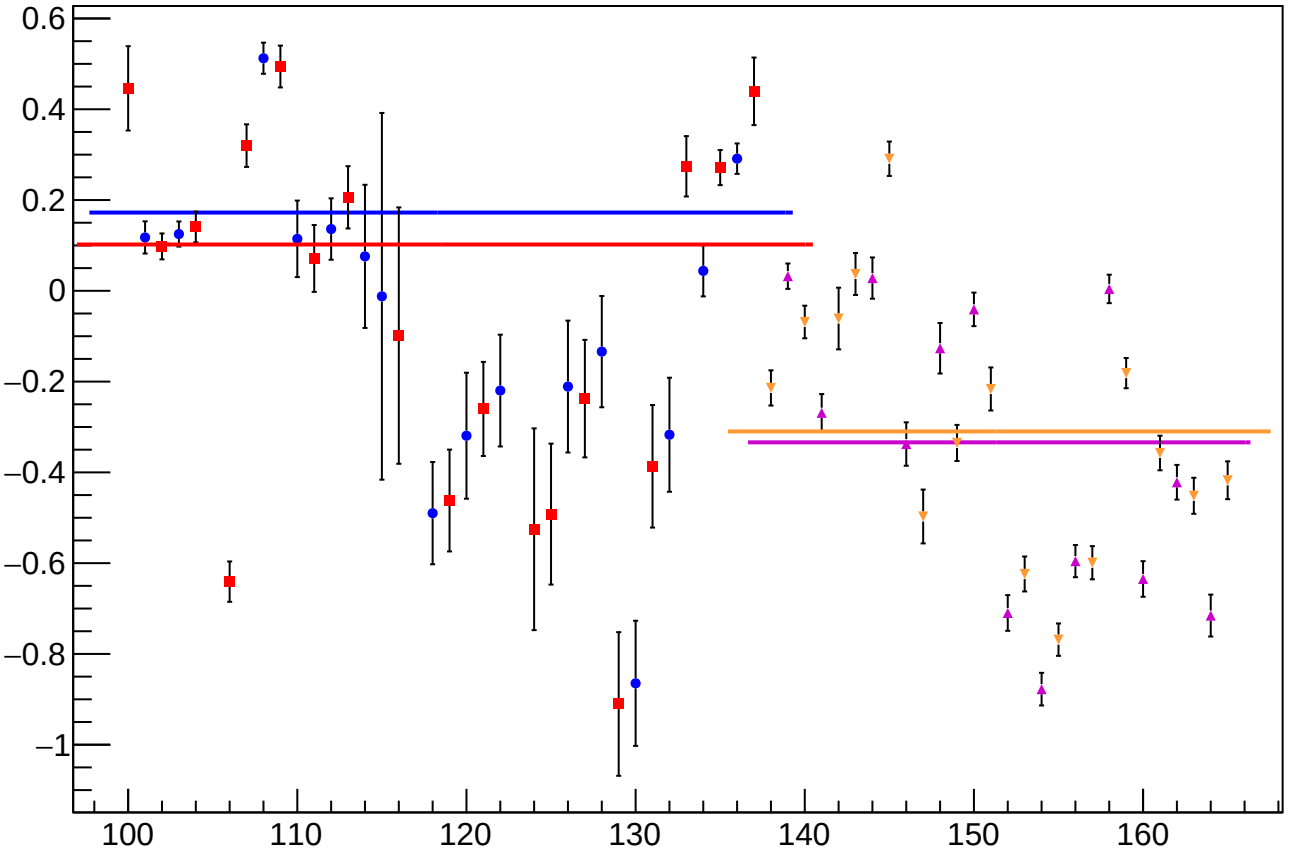
Left: 89.418+/-0.168 χ^2/NDF: 1722.1/27

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 72.831+/-0.192 χ^2/NDF:38818.8/28

Out: 72.387+/-0.180 χ^2/NDF:44036.6/33

All: 72.594+/-0.131 χ^2/NDF: 82858.2/62



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.310+/-0.010 χ^2/NDF:717.4/14

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.334+/-0.011 χ^2/NDF:937.7/12

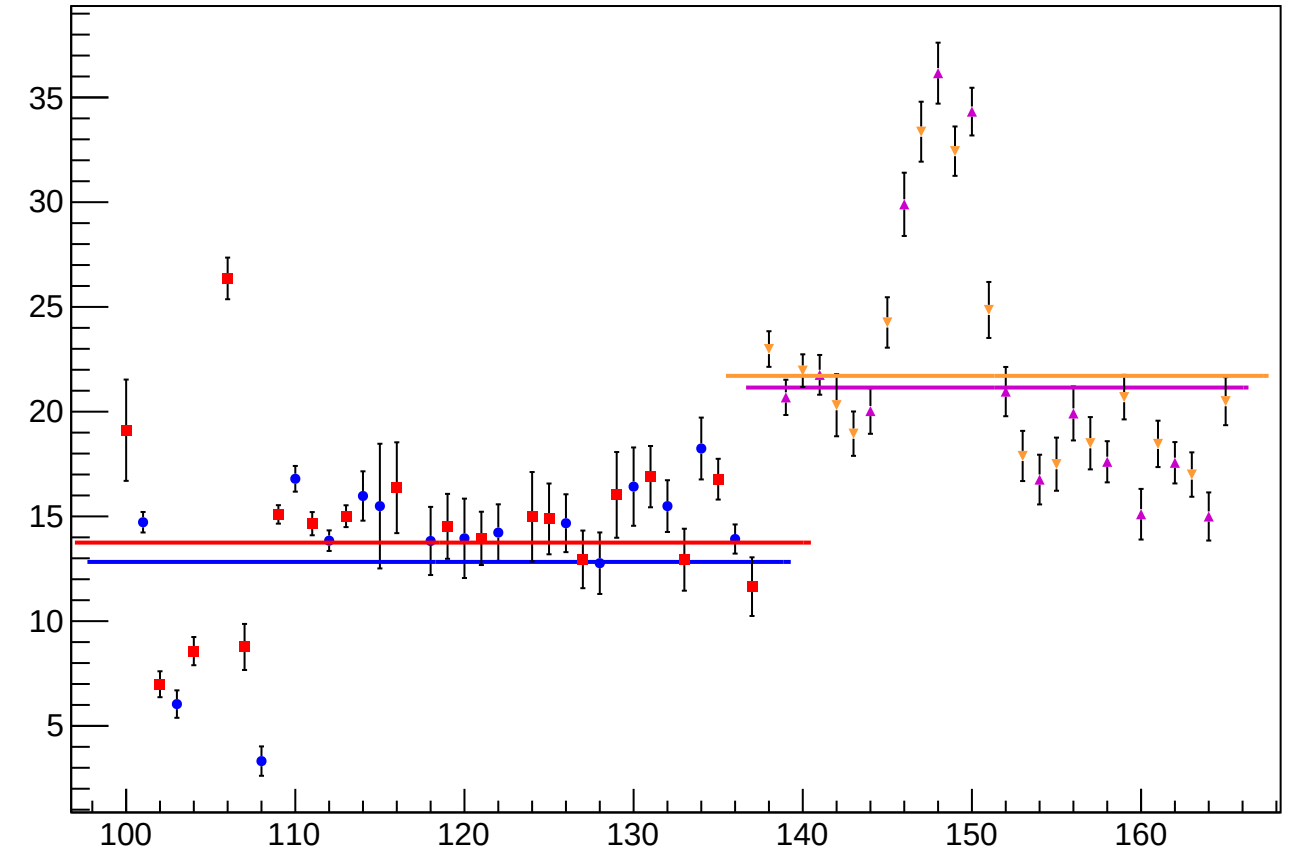
Left: -0.322+/-0.007 χ^2/NDF: 1657.7/27

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.152+/-0.008 χ^2/NDF:2022.1/28

Out: -0.155+/-0.008 χ^2/NDF:1861.6/33

All: -0.153+/-0.006 χ^2/NDF: 3883.8/62



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.710+/-0.287 χ^2/NDF:227.5/14

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.151+/-0.307 χ^2/NDF:370.2/12

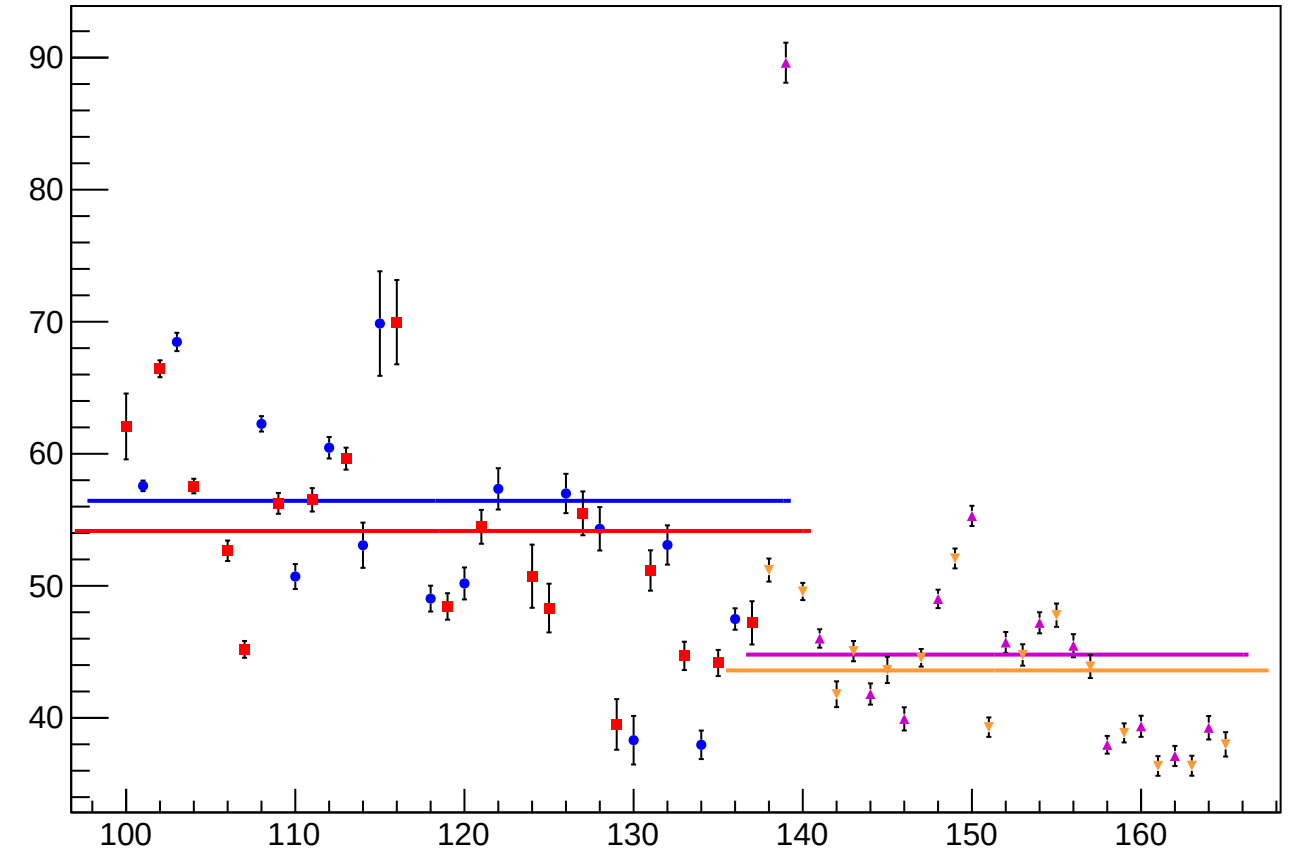
Left: 21.449+/-0.210 χ^2/NDF: 599.5/27

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.546+/-0.176 χ^2/NDF:1252.1/28

Out: 16.424+/-0.166 χ^2/NDF:1142.3/33

All: 16.009+/-0.121 χ^2/NDF: 2407.6/62



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.595+/-0.204 χ^2/NDF:619.6/14

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 44.794+/-0.222 χ^2/NDF:1446.0/12

Left: 44.144+/-0.150 χ^2/NDF: 2081.4/27

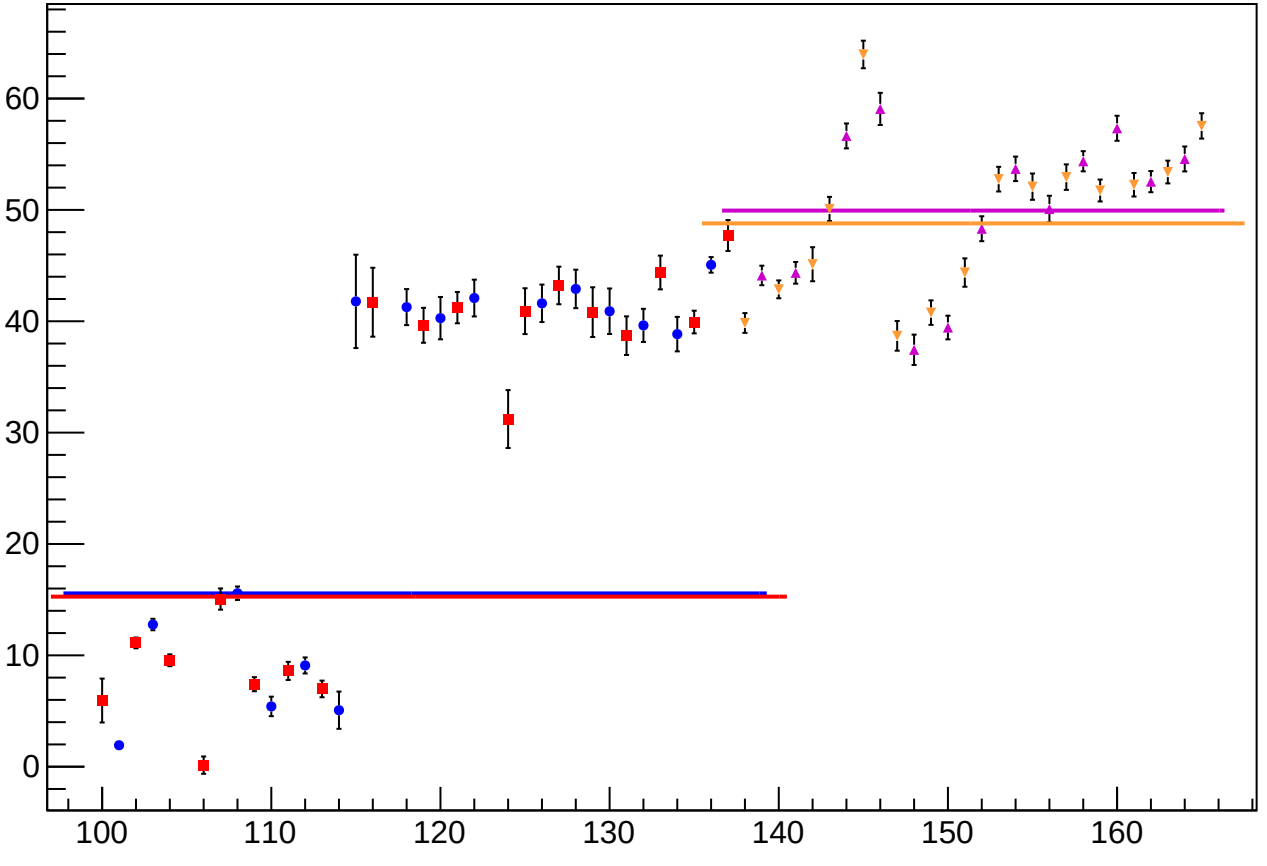
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 50.614+/-0.157 χ^2/NDF:3912.3/28

Out: 48.370+/-0.151 χ^2/NDF:2838.4/33

All: 49.450+/-0.109 χ^2/NDF: 6856.9/62

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 48.787+/-0.281 χ^2/NDF:568.4/14

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 49.939+/-0.297 χ^2/NDF:440.2/12

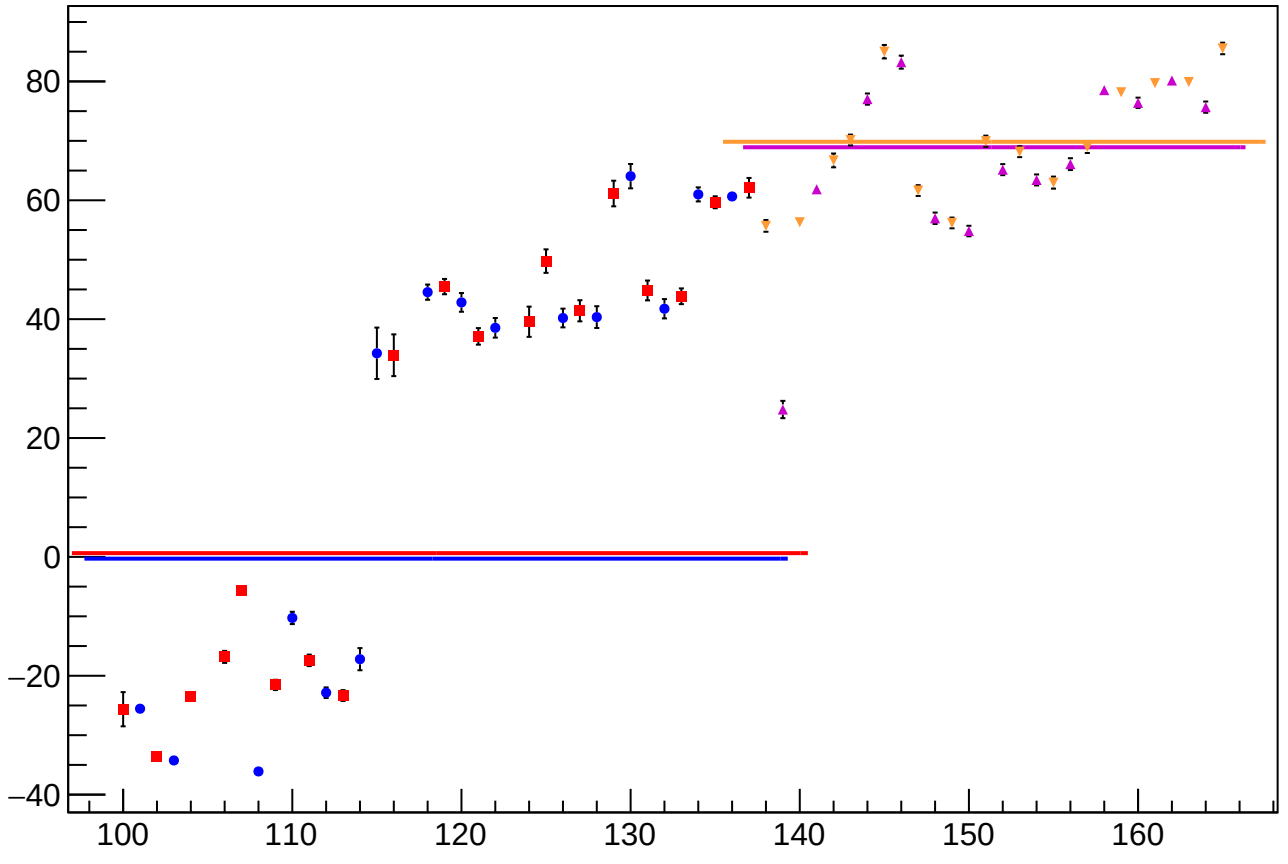
Left: 49.329+/-0.204 χ^2/NDF: 1016.5/27

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 27.286+/-0.174 χ^2/NDF:14418.6/28

Out: 27.969+/-0.173 χ^2/NDF:13303.4/33

All: 27.630+/-0.122 χ^2/NDF: 27729.8/62



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 69.846+/-0.235 χ^2/NDF:1745.1/14

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 68.922+/-0.253 χ^2/NDF:2217.7/12

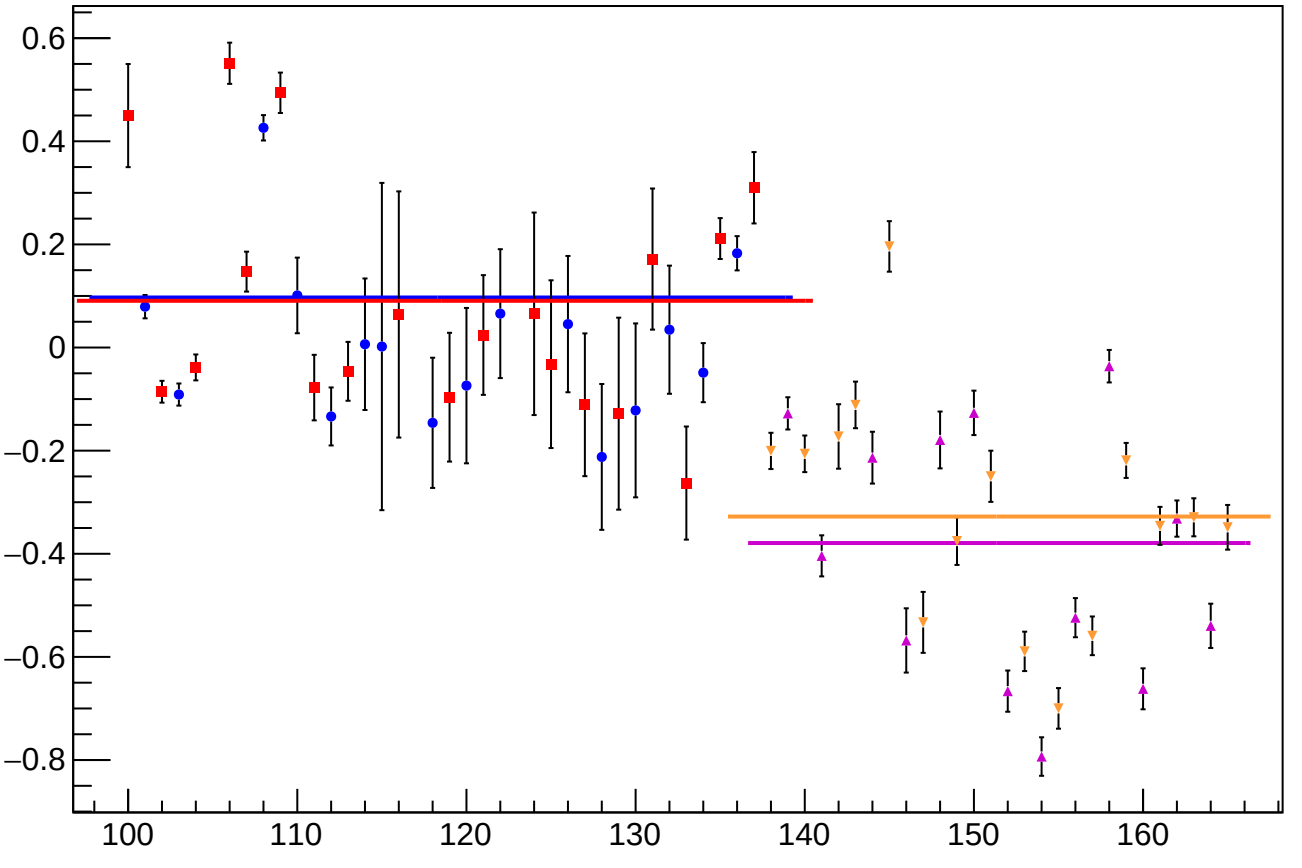
Left: 69.417+/-0.172 χ^2/NDF: 3970.0/27

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 35.466+/-0.182 χ^2/NDF:59475.9/28

Out: 39.179+/-0.175 χ^2/NDF:56166.1/33

All: 37.388+/-0.126 χ^2/NDF: 115858.0/62



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.328+/-0.011 χ^2/NDF:368.7/14

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.379+/-0.011 χ^2/NDF:506.5/12

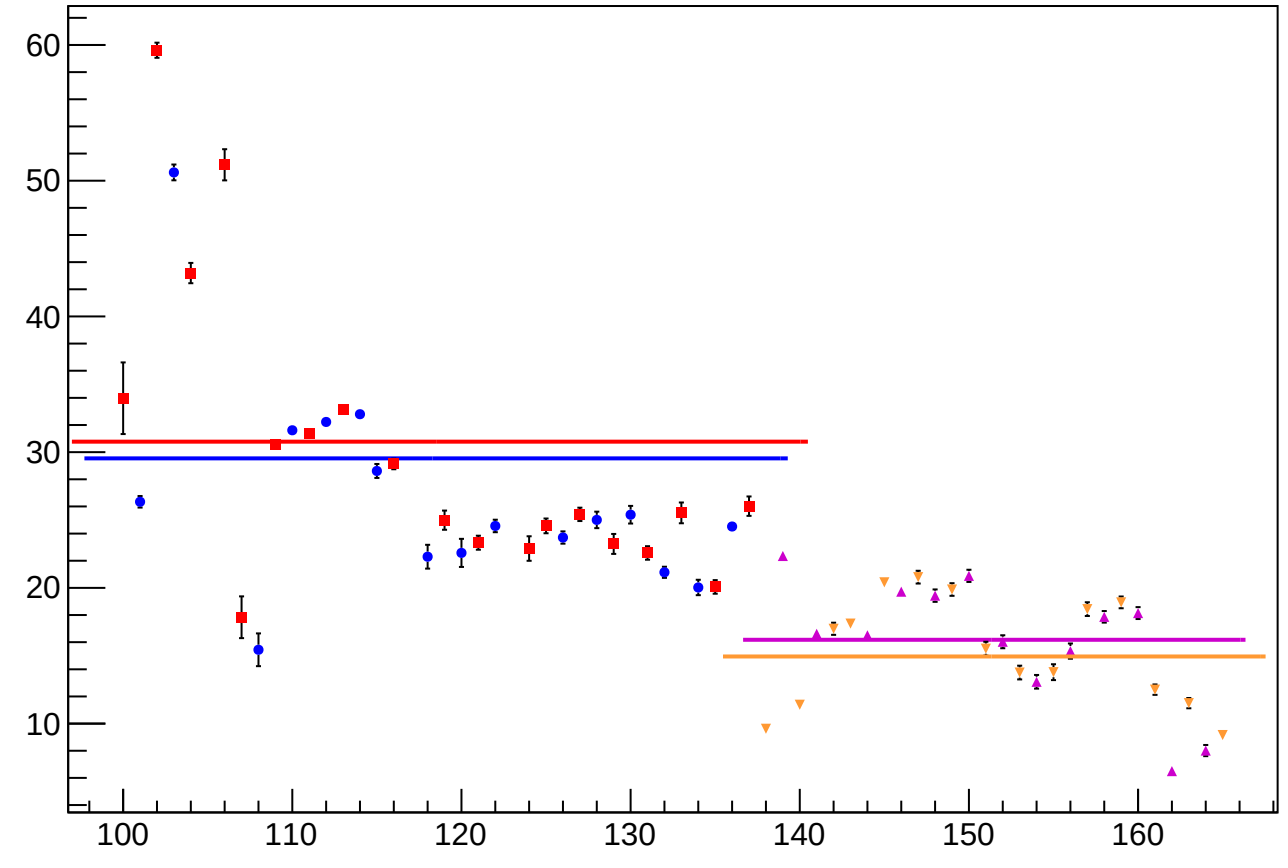
Left: -0.353+/-0.008 χ^2/NDF: 886.4/27

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.145+/-0.008 χ^2/NDF:1720.8/28

Out: -0.133+/-0.008 χ^2/NDF:1488.7/33

All: -0.139+/-0.006 χ^2/NDF: 3210.6/62



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.946+/-0.101 χ^2/NDF:1688.1/14

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 16.176+/-0.108 χ^2/NDF:1825.3/12

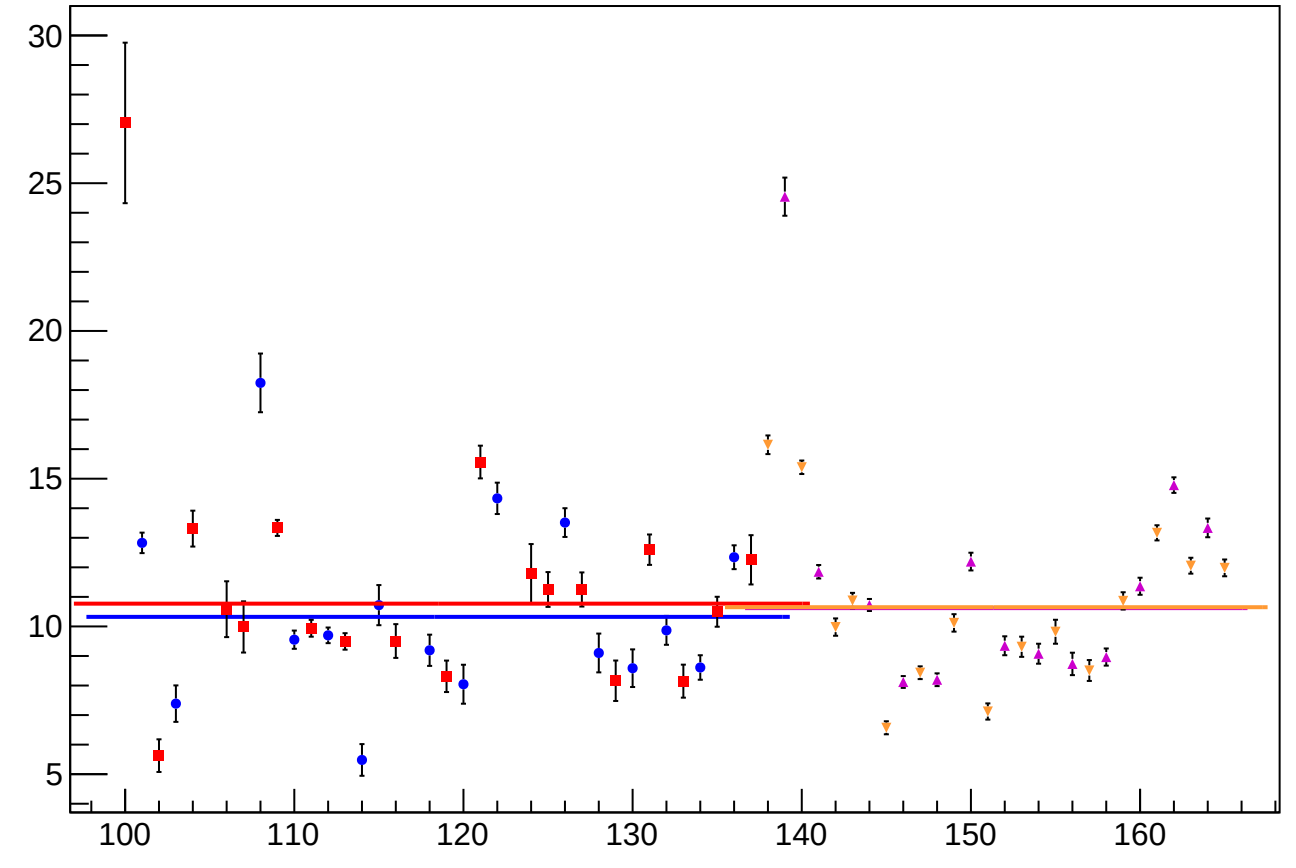
Left: 15.516+/-0.074 χ^2/NDF: 3582.8/27

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 23.927+/-0.070 χ^2/NDF:14073.4/28

Out: 24.622+/-0.063 χ^2/NDF:21923.8/33

All: 24.313+/-0.047 χ^2/NDF: 36051.9/62



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.651+/-0.071 χ^2/NDF:1558.1/14

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.620+/-0.075 χ^2/NDF:1228.1/12

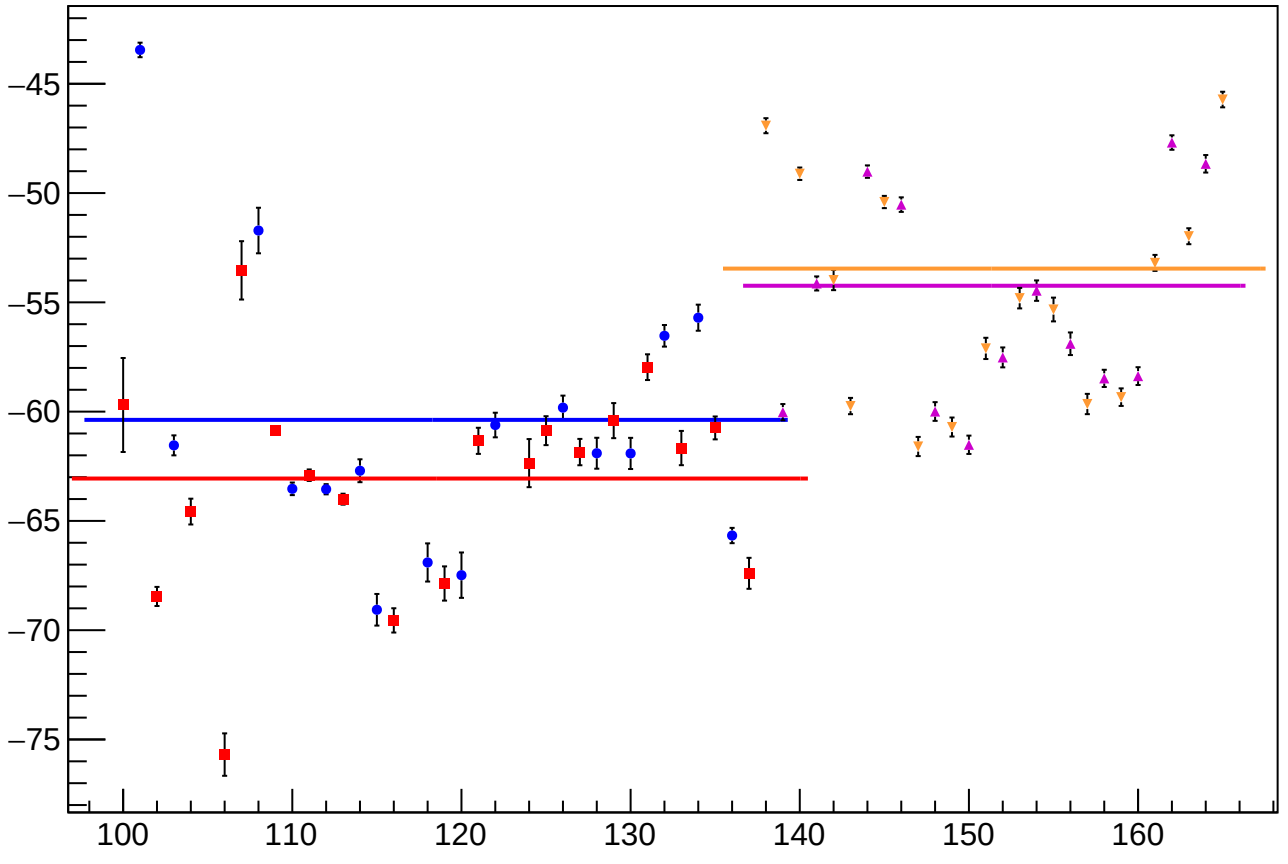
Left: 10.636+/-0.052 χ^2/NDF: 2786.3/27

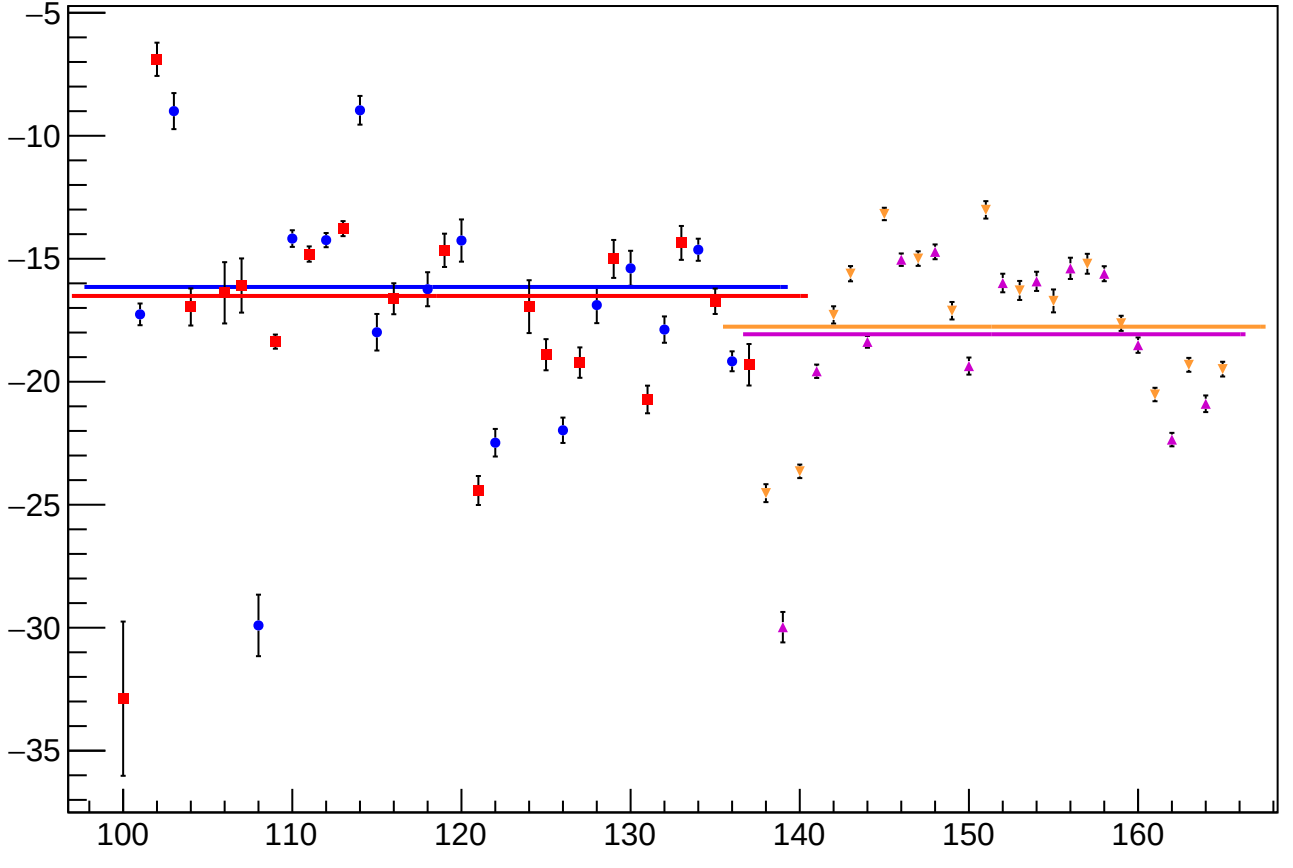
Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.530+/-0.063 χ^2/NDF:1635.4/28

Out: 10.685+/-0.060 χ^2/NDF:1974.7/33

All: 10.611+/-0.043 χ^2/NDF: 3613.3/62


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−45
−50
−55
−60
−65
−70
−75
100
110
120
130
140
150
160
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -53.456+/-0.099 χ²/NDF:2574.9/14
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -54.241+/-0.105 χ²/NDF:2066.8/12
Left: -53.825+/-0.072 χ²/NDF: 4671.1/27
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -57.090+/-0.077 χ²/NDF:7244.0/28
Out: -57.883+/-0.073 χ²/NDF:7743.2/33
All: -57.509+/-0.053 χ²/NDF: 15043.1/62



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.761+/-0.082 χ^2/NDF:1676.2/14

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.070+/-0.088 χ^2/NDF:1163.8/12

Left: -17.906+/-0.060 χ^2/NDF: 2846.6/27

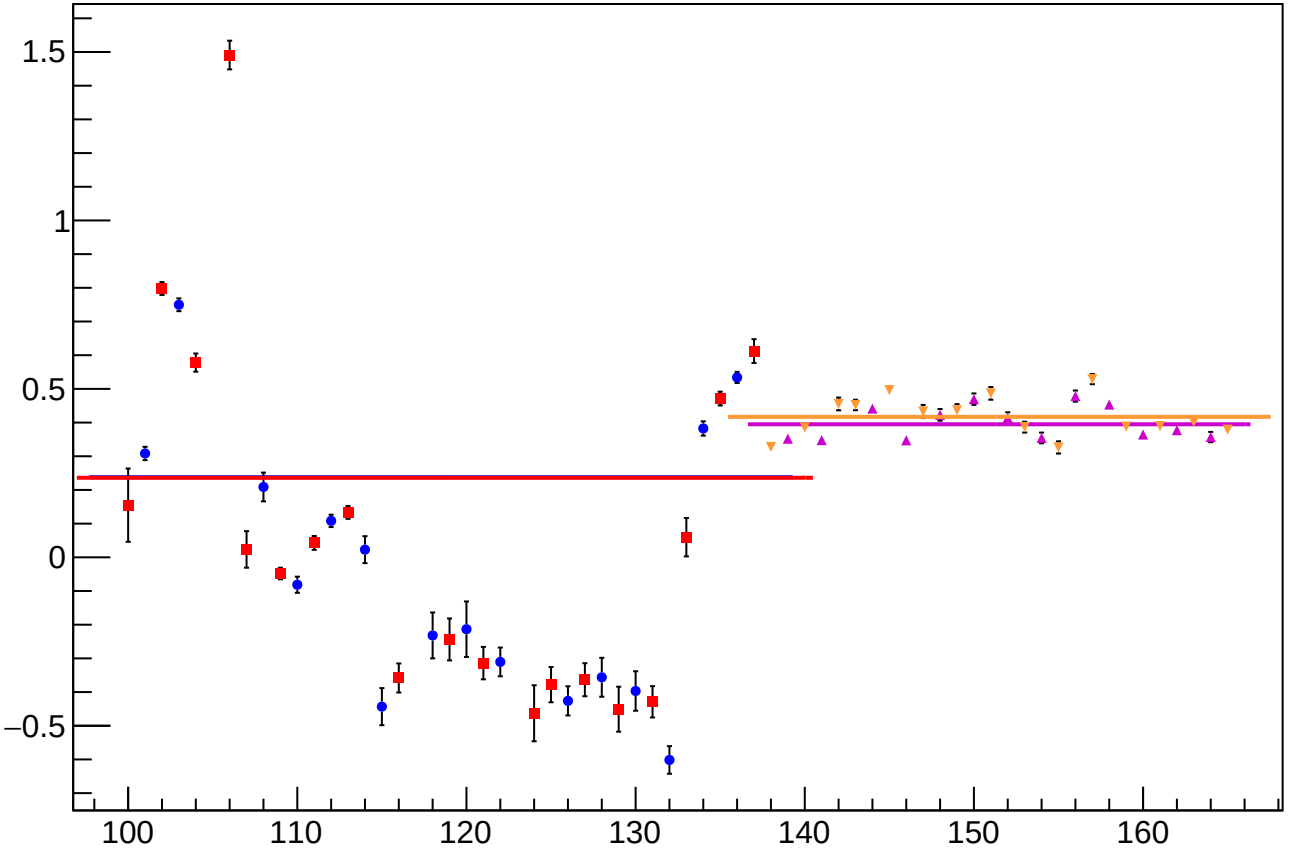
Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.452+/-0.072 χ^2/NDF:2116.0/28

Out: -17.381+/-0.069 χ^2/NDF:2430.7/33

All: -17.415+/-0.050 χ^2/NDF: 4547.2/62

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.417+/-0.004 χ^2/NDF:224.7/14

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.395+/-0.004 χ^2/NDF:133.6/12

Left: 0.407+/-0.003 χ^2/NDF: 374.2/27

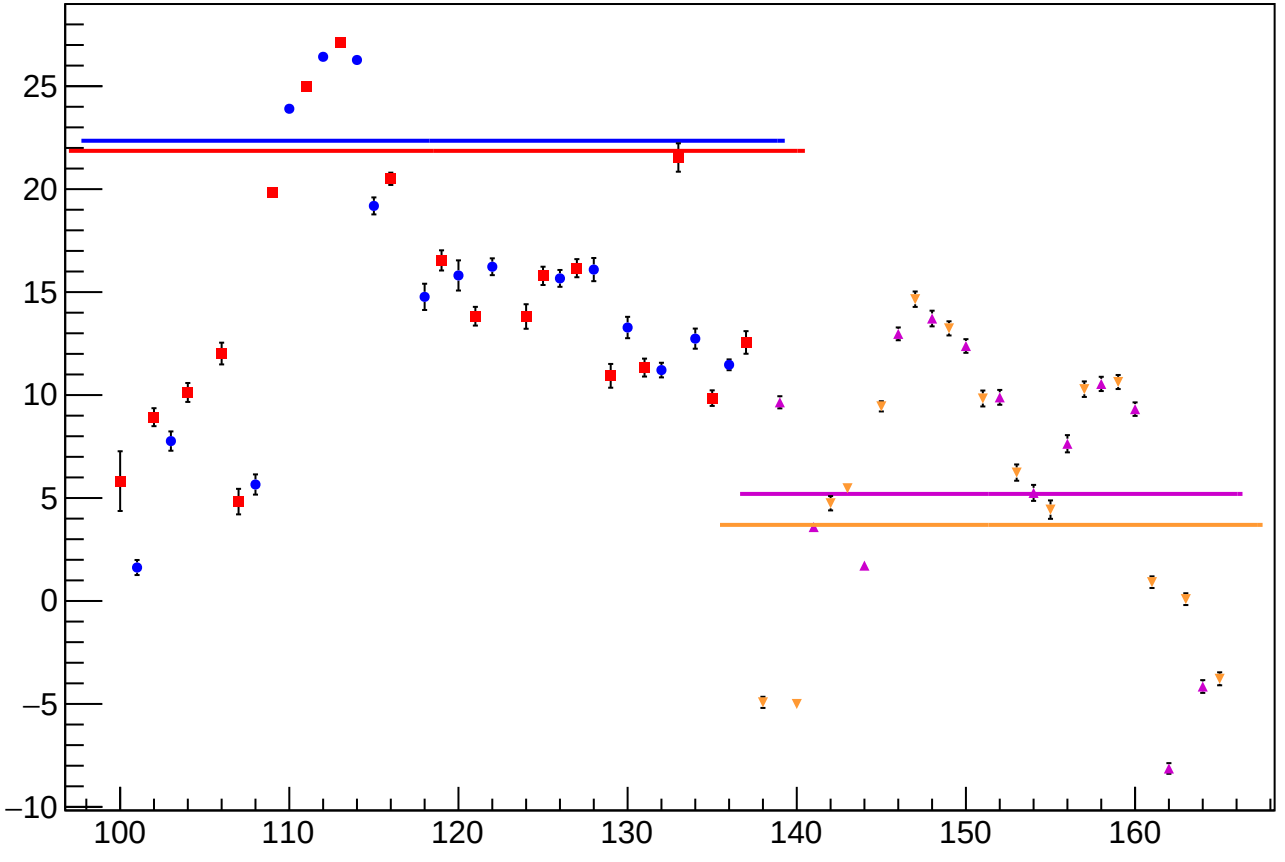
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.356+/-0.003 χ^2/NDF:3140.6/28

Out: 0.376+/-0.003 χ^2/NDF:4324.0/33

All: 0.367+/-0.002 χ^2/NDF: 7481.6/62

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.696+/-0.078 χ^2/NDF:6732.1/14

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 5.200+/-0.086 χ^2/NDF:6252.8/12

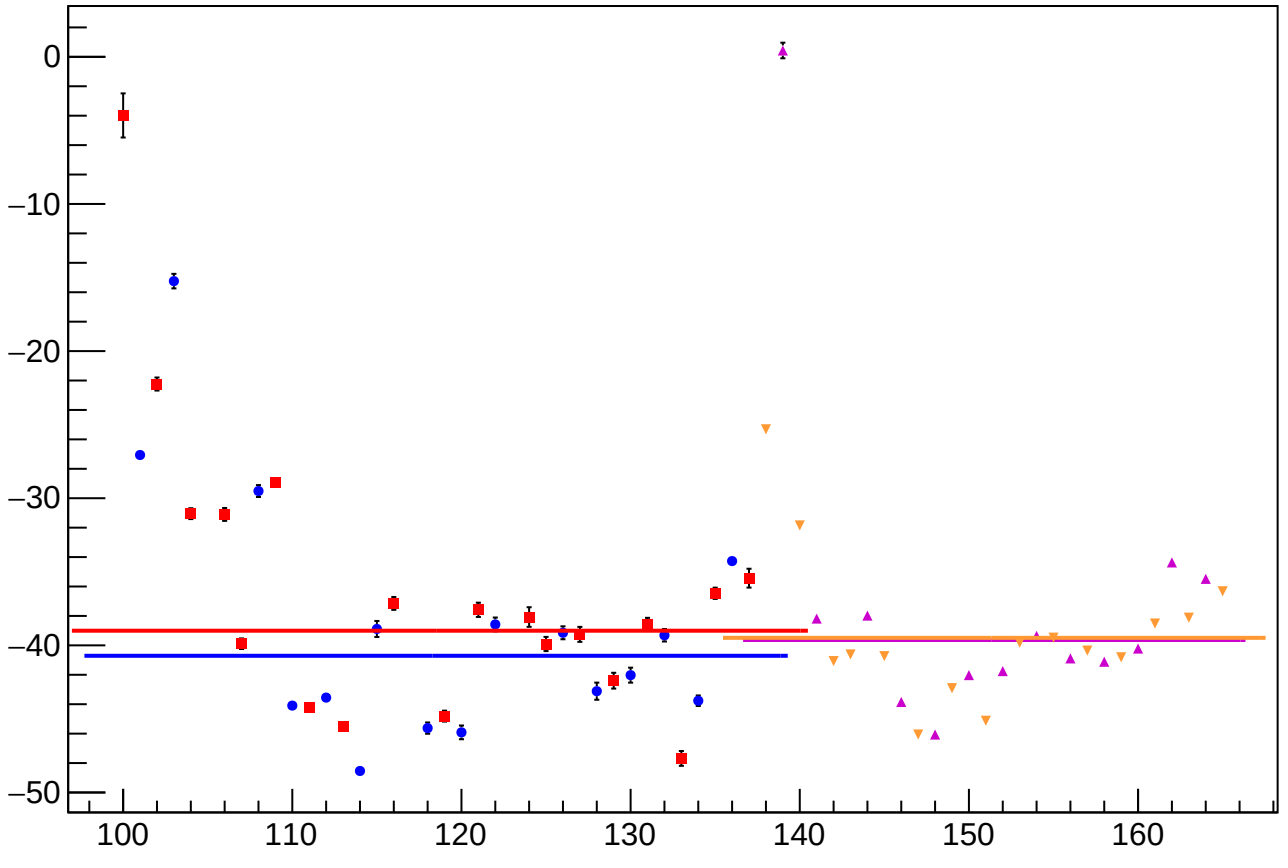
Left: 4.382+/-0.058 χ^2/NDF: 13152.8/27

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 17.139+/-0.047 χ^2/NDF:46532.5/28

Out: 17.165+/-0.040 χ^2/NDF:57217.7/33

All: 17.154+/-0.030 χ^2/NDF: 103750.3/62



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.489+/-0.055 χ^2/NDF:7605.3/14

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -39.635+/-0.060 χ^2/NDF:8903.0/12

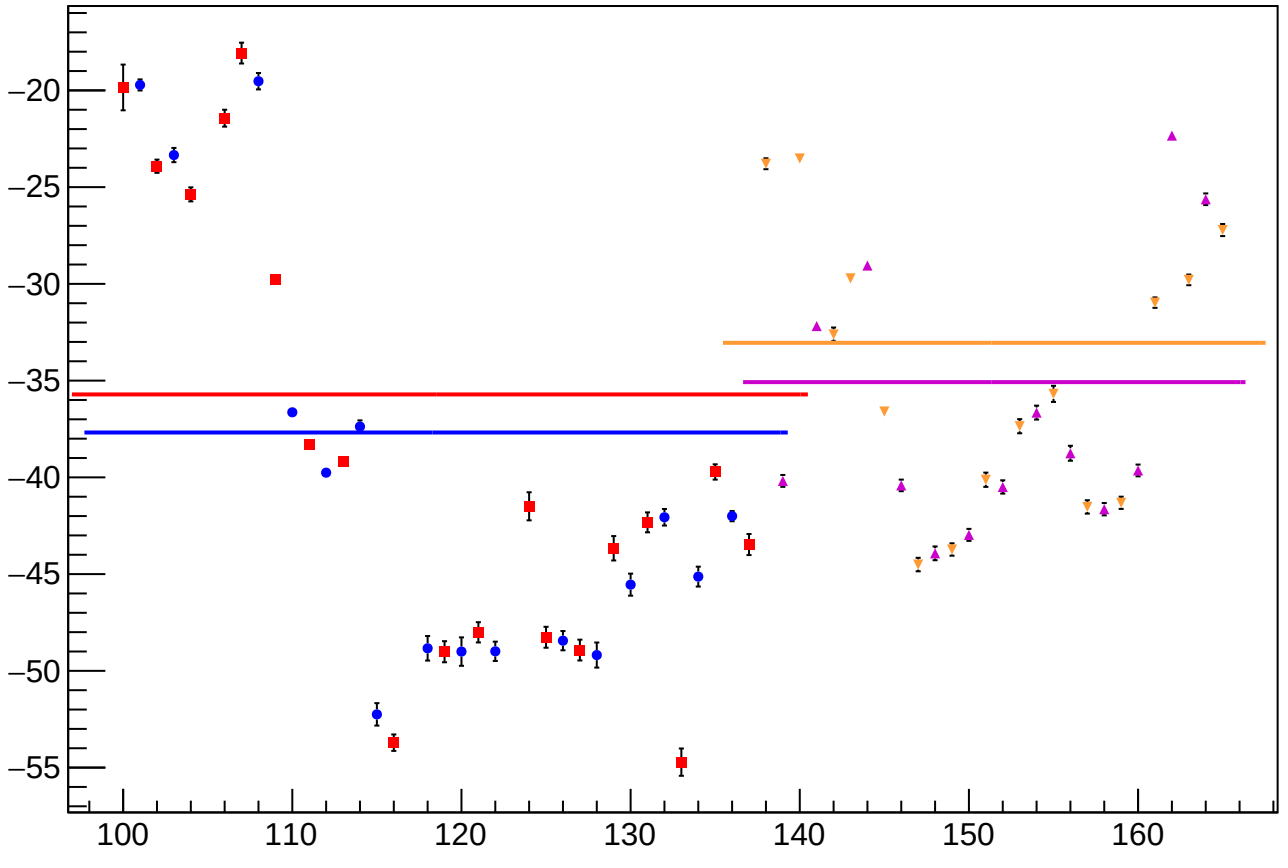
Left: -39.556+/-0.041 χ^2/NDF: 16511.5/27

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.045+/-0.047 χ^2/NDF:16805.2/28

Out: -39.307+/-0.044 χ^2/NDF:17735.5/33

All: -39.646+/-0.032 χ^2/NDF: 34672.6/62



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.045+/-0.077 χ^2/NDF:7897.8/14

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -35.078+/-0.083 χ^2/NDF:7234.0/12

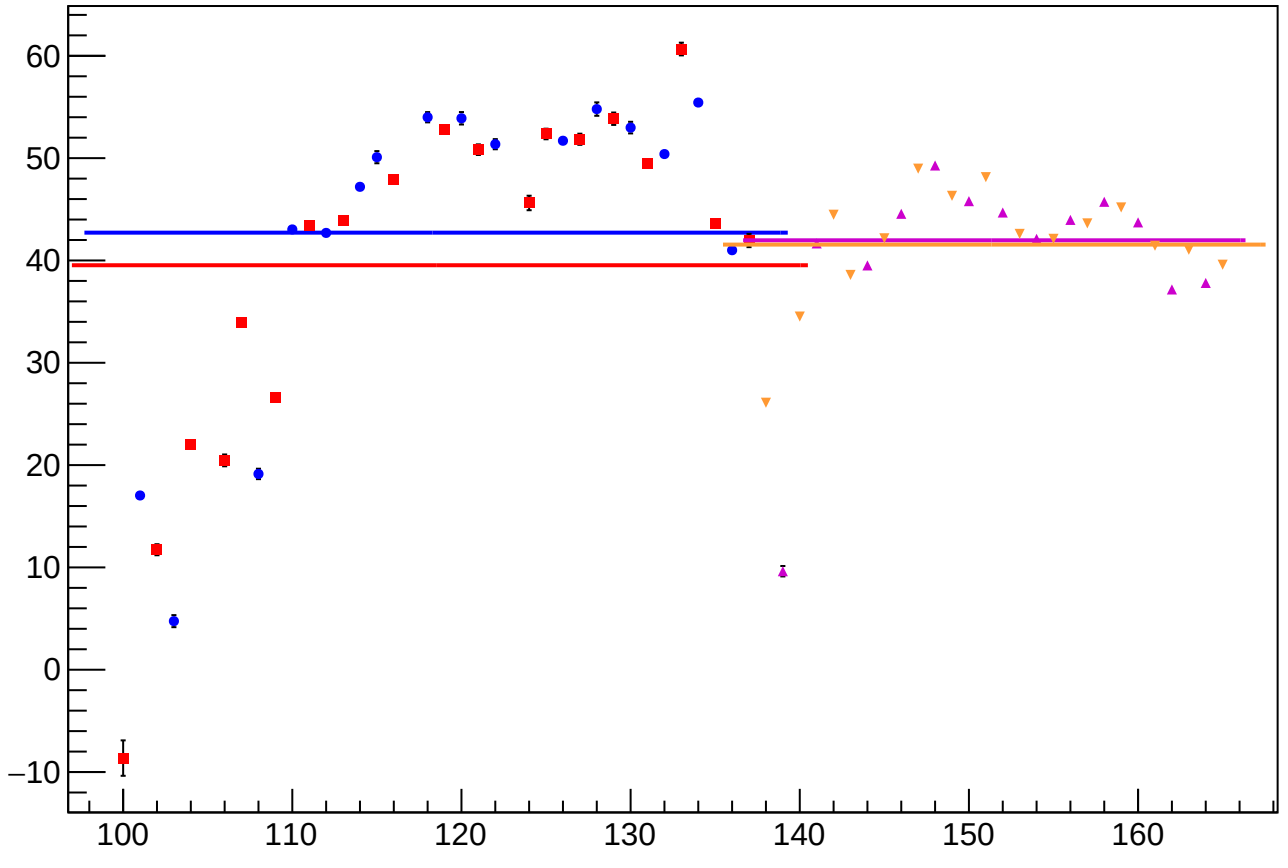
Left: -33.986+/-0.057 χ^2/NDF: 15452.3/27

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -36.536+/-0.055 χ^2/NDF:18636.0/28

Out: -34.621+/-0.049 χ^2/NDF:21877.2/33

All: -35.473+/-0.037 χ^2/NDF: 41181.5/62



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.551+/-0.064 χ^2/NDF:6321.1/14

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.971+/-0.069 χ^2/NDF:6610.5/12

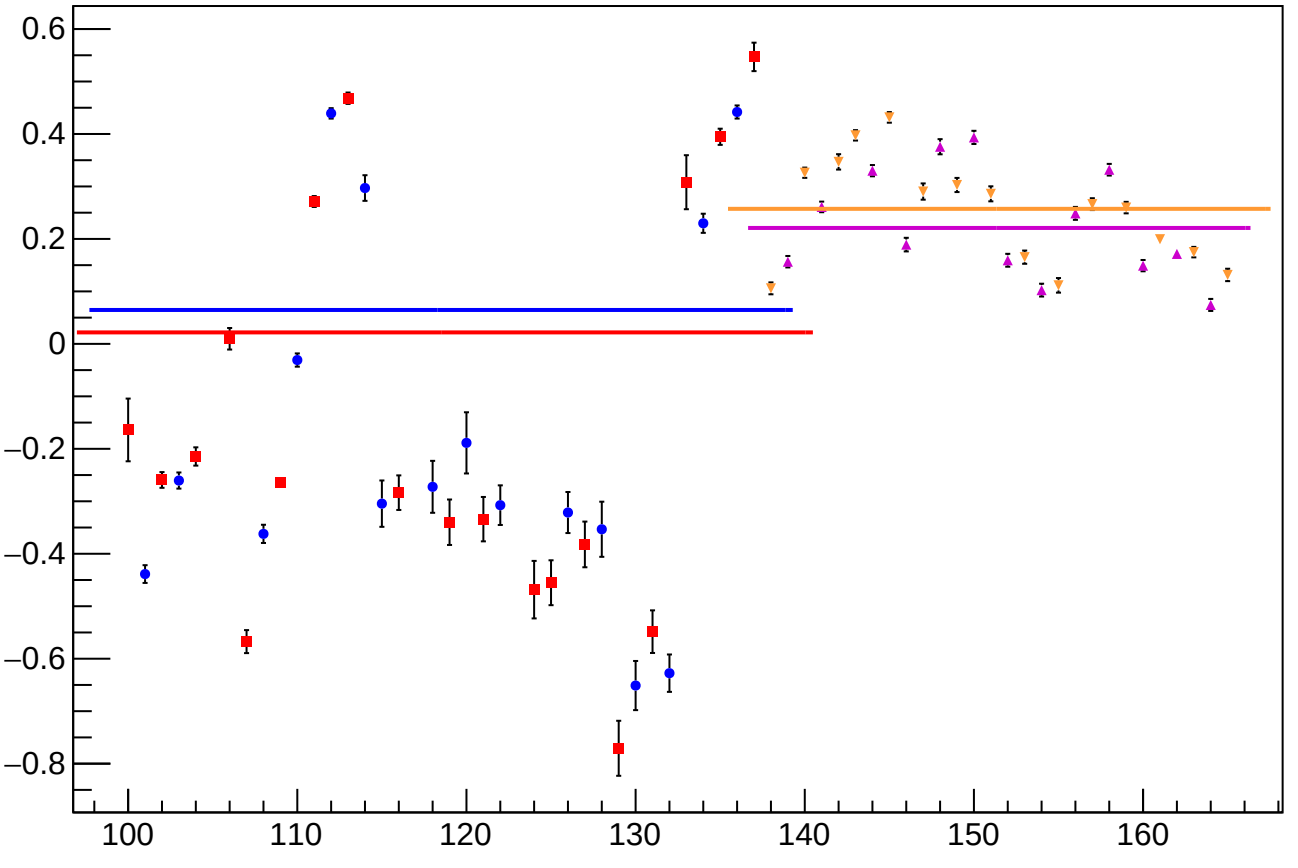
Left: 41.744+/-0.047 χ^2/NDF: 12951.3/27

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.269+/-0.054 χ^2/NDF:21421.8/28

Out: 40.740+/-0.050 χ^2/NDF:24697.7/33

All: 41.442+/-0.036 χ^2/NDF: 46556.9/62



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.257+/-0.003 χ^2/NDF:1163.4/14

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.221+/-0.003 χ^2/NDF:923.1/12

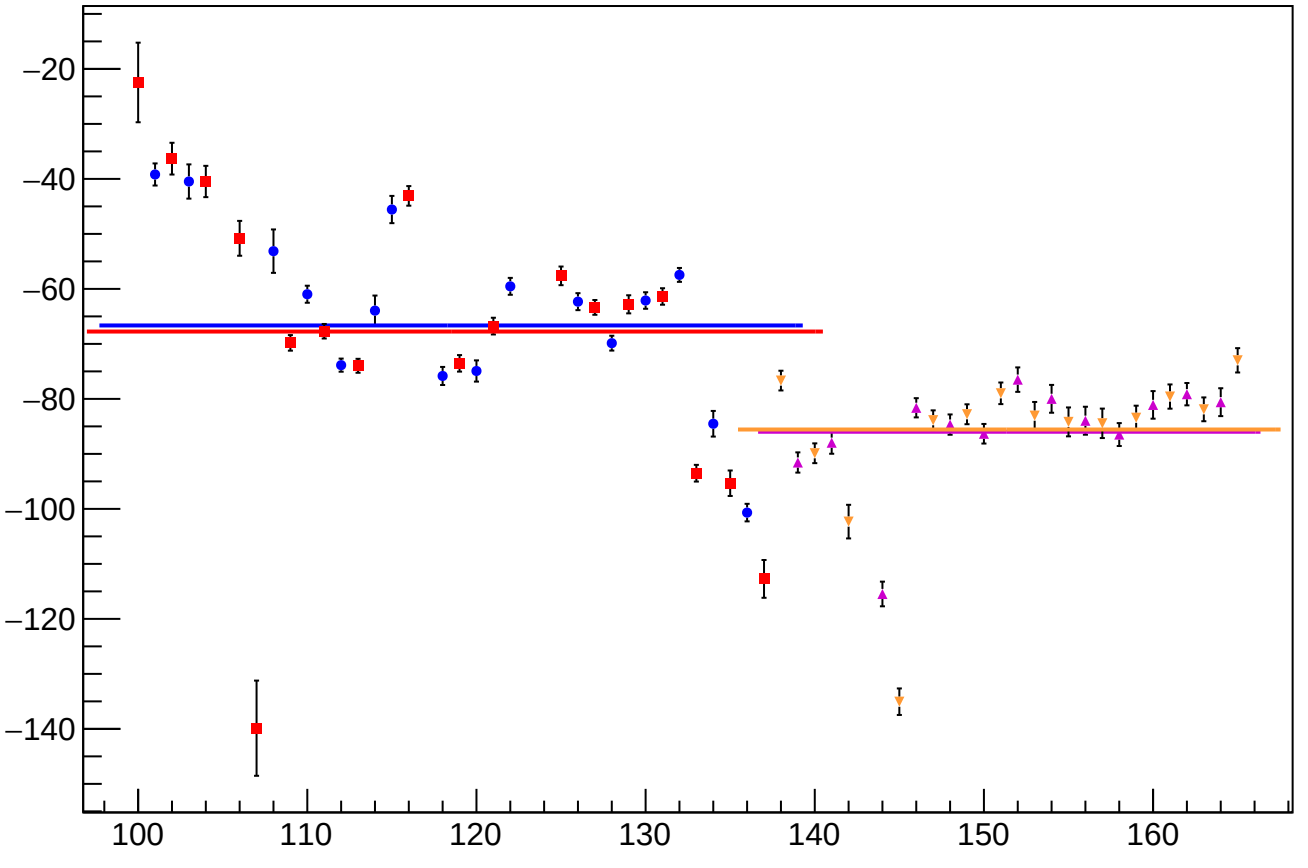
Left: 0.240+/-0.002 χ^2/NDF: 2156.9/27

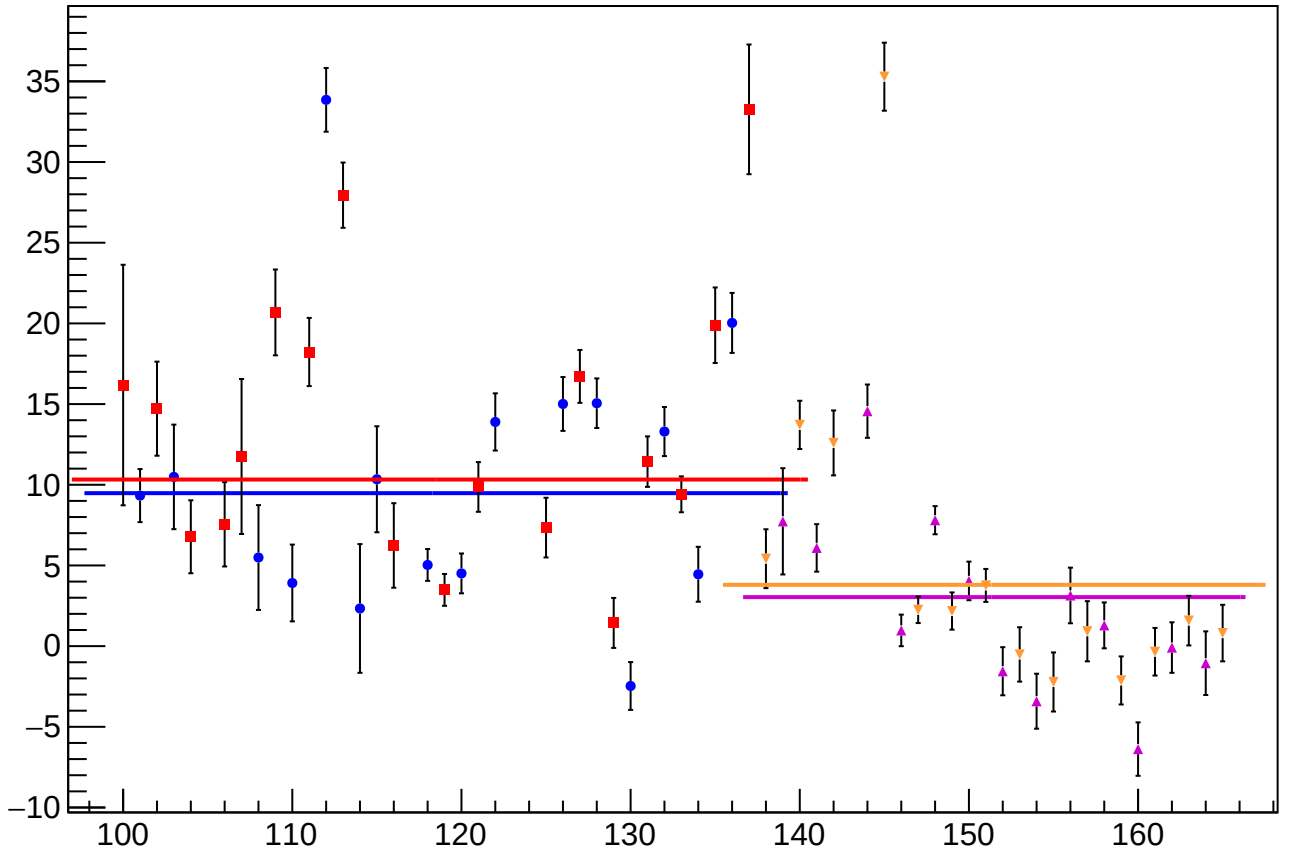
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.174+/-0.003 χ^2/NDF:7151.2/28

Out: 0.183+/-0.002 χ^2/NDF:9544.1/33

All: 0.179+/-0.002 χ^2/NDF: 16701.7/62


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -85.568+/-0.572 χ²/NDF:541.3/13
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -85.974+/-0.580 χ²/NDF:233.9/12
Left: -85.768+/-0.407 χ²/NDF: 775.5/26
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.430+/-0.343 χ²/NDF:2008.2/28
Out: -73.980+/-0.338 χ²/NDF:2426.8/31
All: -73.709+/-0.241 χ²/NDF: 4436.3/60



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.799+/-0.378 χ^2/NDF:340.9/13

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.038+/-0.388 χ^2/NDF:156.1/12

Left: 3.429+/-0.271 χ^2/NDF: 498.9/26

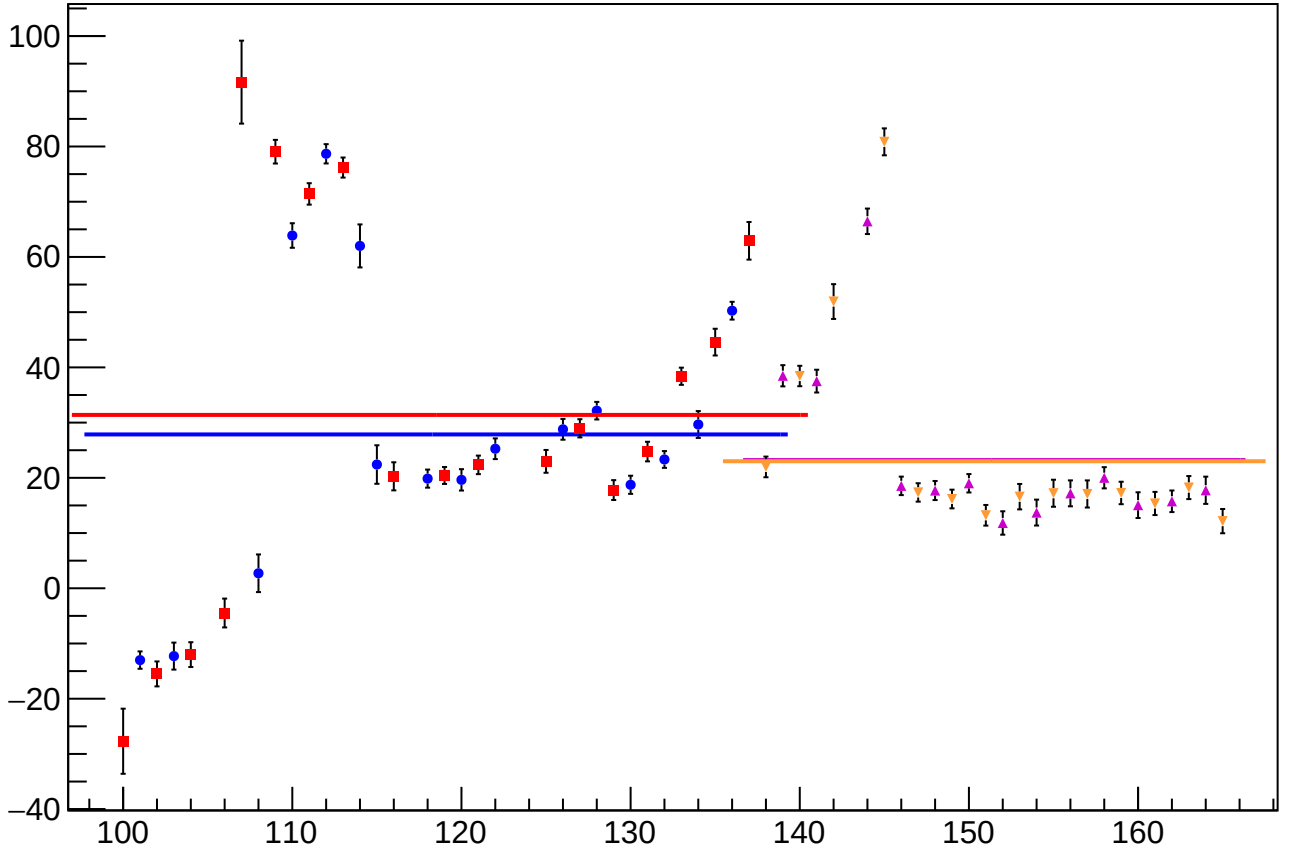
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.944+/-0.288 χ^2/NDF:622.3/28

Out: 6.600+/-0.285 χ^2/NDF:732.3/31

All: 6.275+/-0.203 χ^2/NDF: 1357.2/60

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 23.004+/-0.553 χ^2/NDF:841.3/13

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 23.216+/-0.558 χ^2/NDF:572.8/12

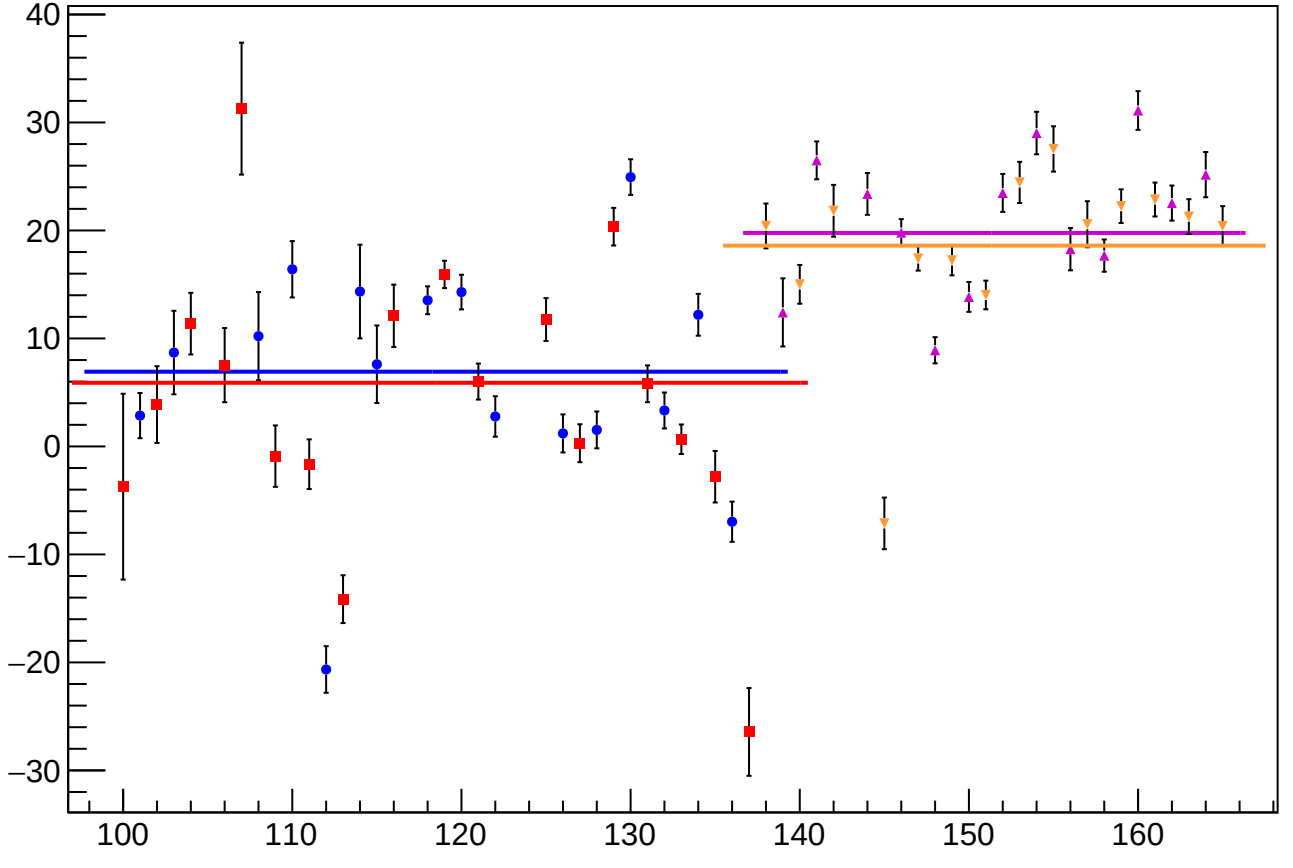
Left: 23.109+/-0.393 χ^2/NDF: 1414.1/26

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 25.872+/-0.365 χ^2/NDF:3086.4/28

Out: 27.725+/-0.366 χ^2/NDF:3982.2/31

All: 26.797+/-0.258 χ^2/NDF: 7081.4/60



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.595+/-0.448 χ^2/NDF:181.4/13

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.772+/-0.459 χ^2/NDF:201.2/12

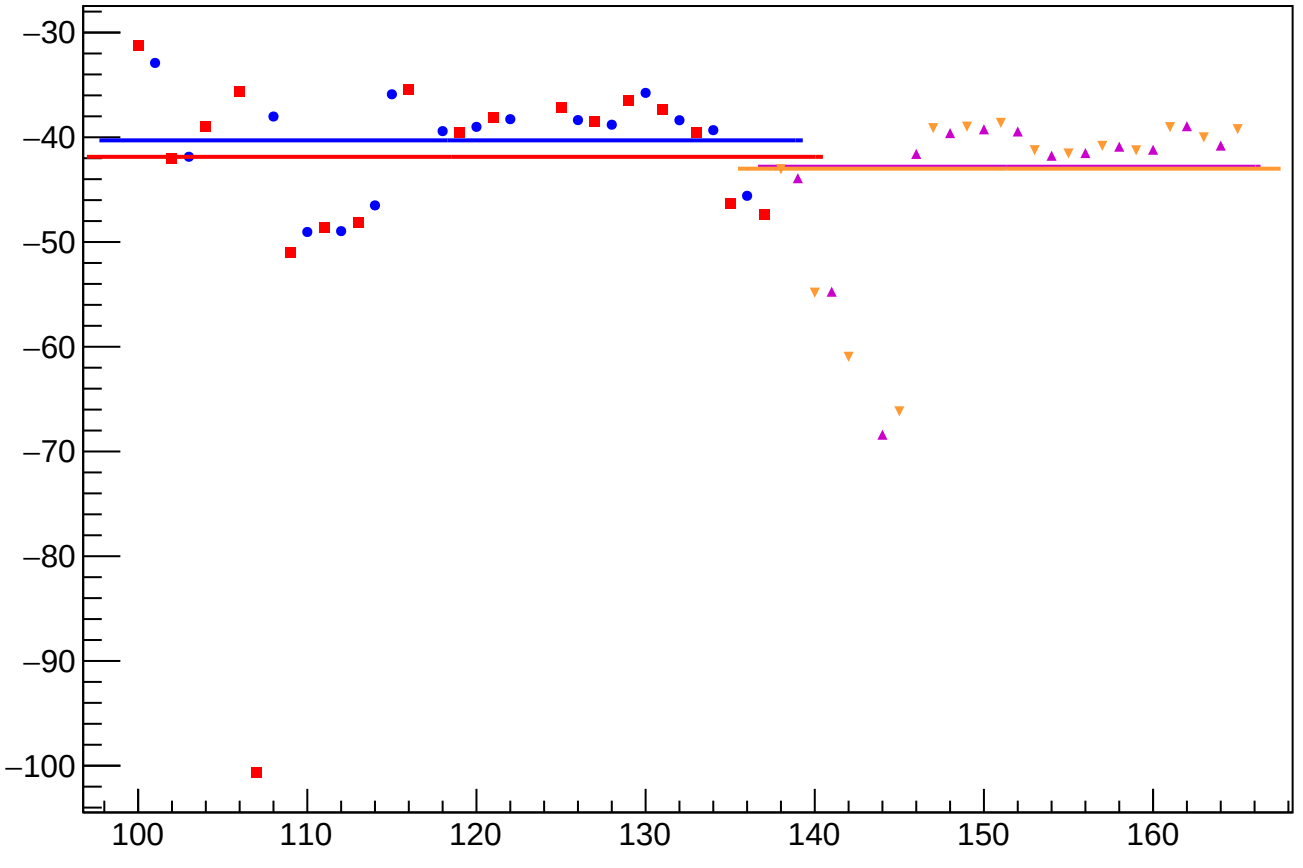
Left: 19.169+/-0.321 χ^2/NDF: 385.9/26

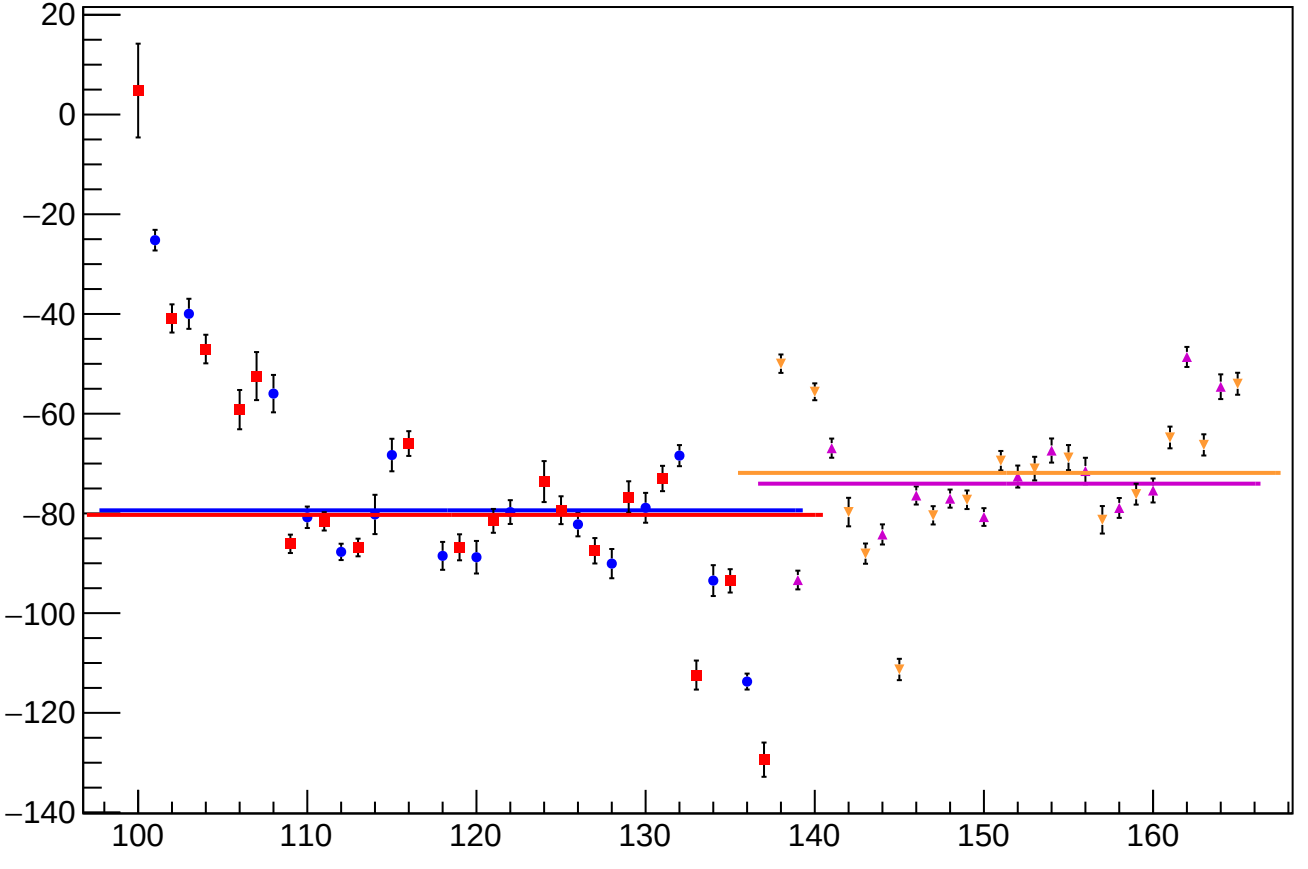
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

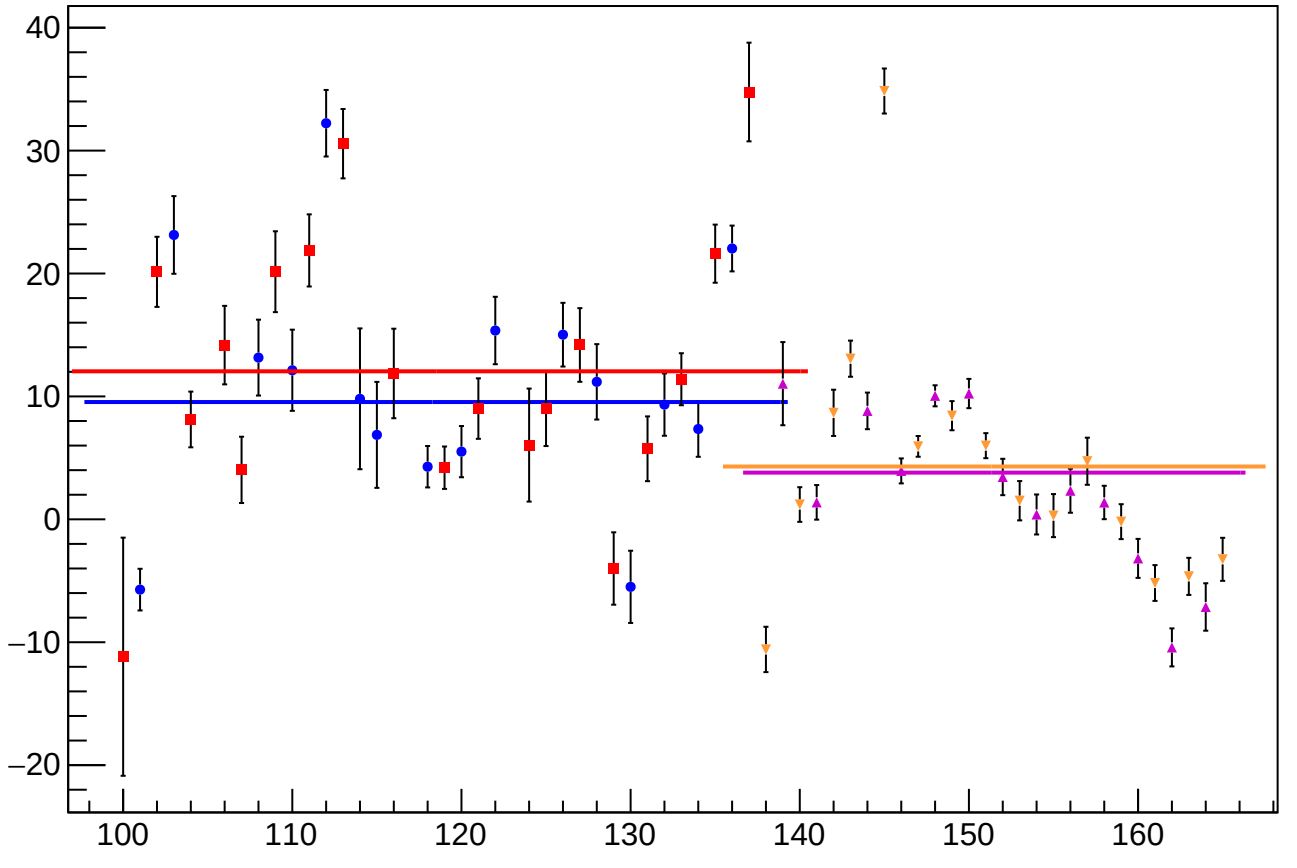
In: 13.841+/-0.337 χ^2/NDF:1007.5/28

Out: 12.961+/-0.334 χ^2/NDF:905.4/31

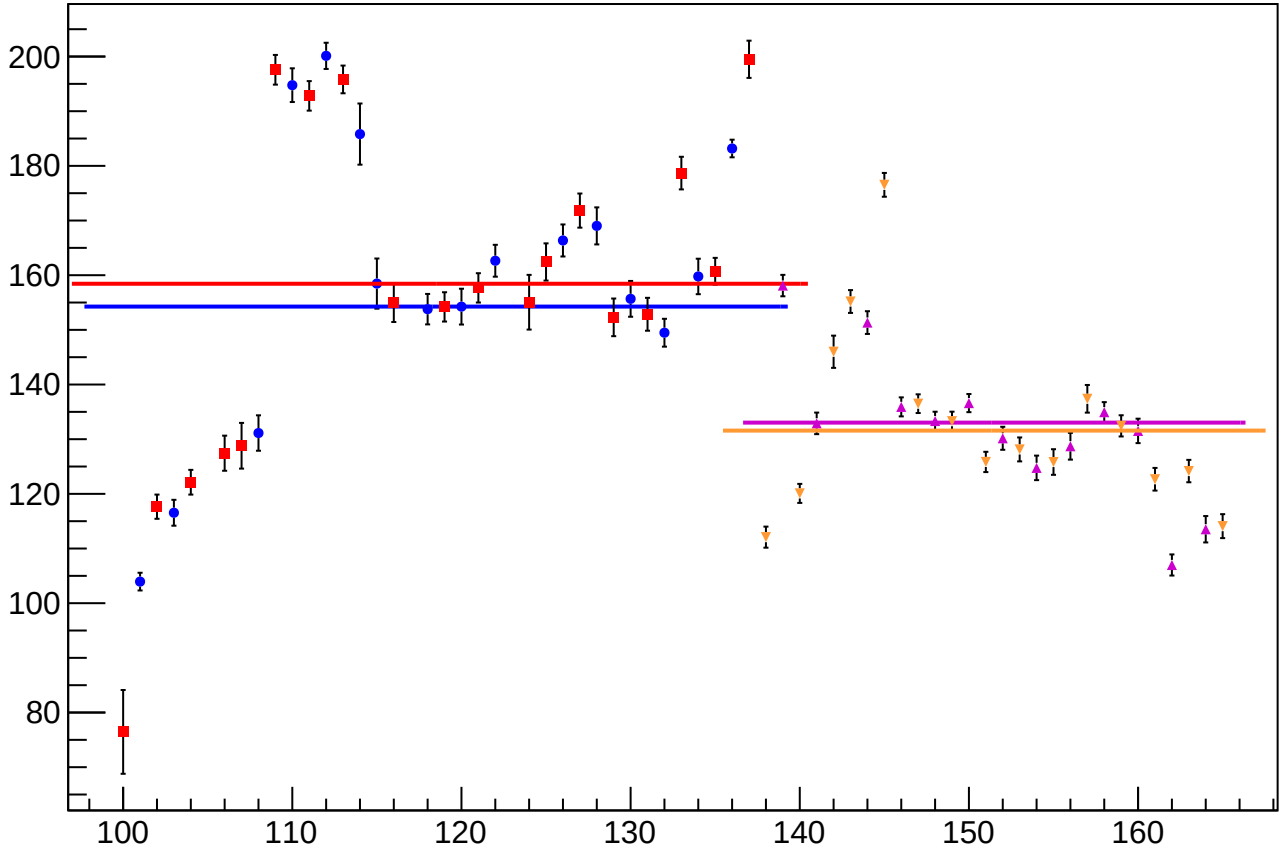
All: 13.397+/-0.237 χ^2/NDF: 1916.3/60


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -42.998+/-0.021 χ²/NDF:116097.2/13
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -42.809+/-0.021 χ²/NDF:93183.3/12
Left: -42.904+/-0.015 χ²/NDF: 209320.4/26
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.027+/-0.018 χ²/NDF:118271.3/28
Out: -42.656+/-0.018 χ²/NDF:175697.5/31
All: -42.339+/-0.012 χ²/NDF: 294609.0/60


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
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -71.872+/-0.542 χ²/NDF:775.9/14
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -74.035+/-0.570 χ²/NDF:400.2/12
Left: -72.898+/-0.393 χ²/NDF: 1183.7/27
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -76.524+/-0.417 χ²/NDF:1917.0/28
Out: -75.626+/-0.403 χ²/NDF:1798.4/33
All: -76.060+/-0.290 χ²/NDF: 3717.7/62


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 4.297+/-0.362 χ²/NDF:522.0/14
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 3.800+/-0.382 χ²/NDF:245.7/12
Left: 4.062+/-0.263 χ²/NDF: 768.6/27
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 5.376+/-0.325 χ²/NDF:574.7/28
Out: 6.186+/-0.315 χ²/NDF:829.7/33
All: 5.795+/-0.226 χ²/NDF: 1407.7/62

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 131.574+/-0.526 χ^2/NDF:852.0/14

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 133.033+/-0.549 χ^2/NDF:515.8/12

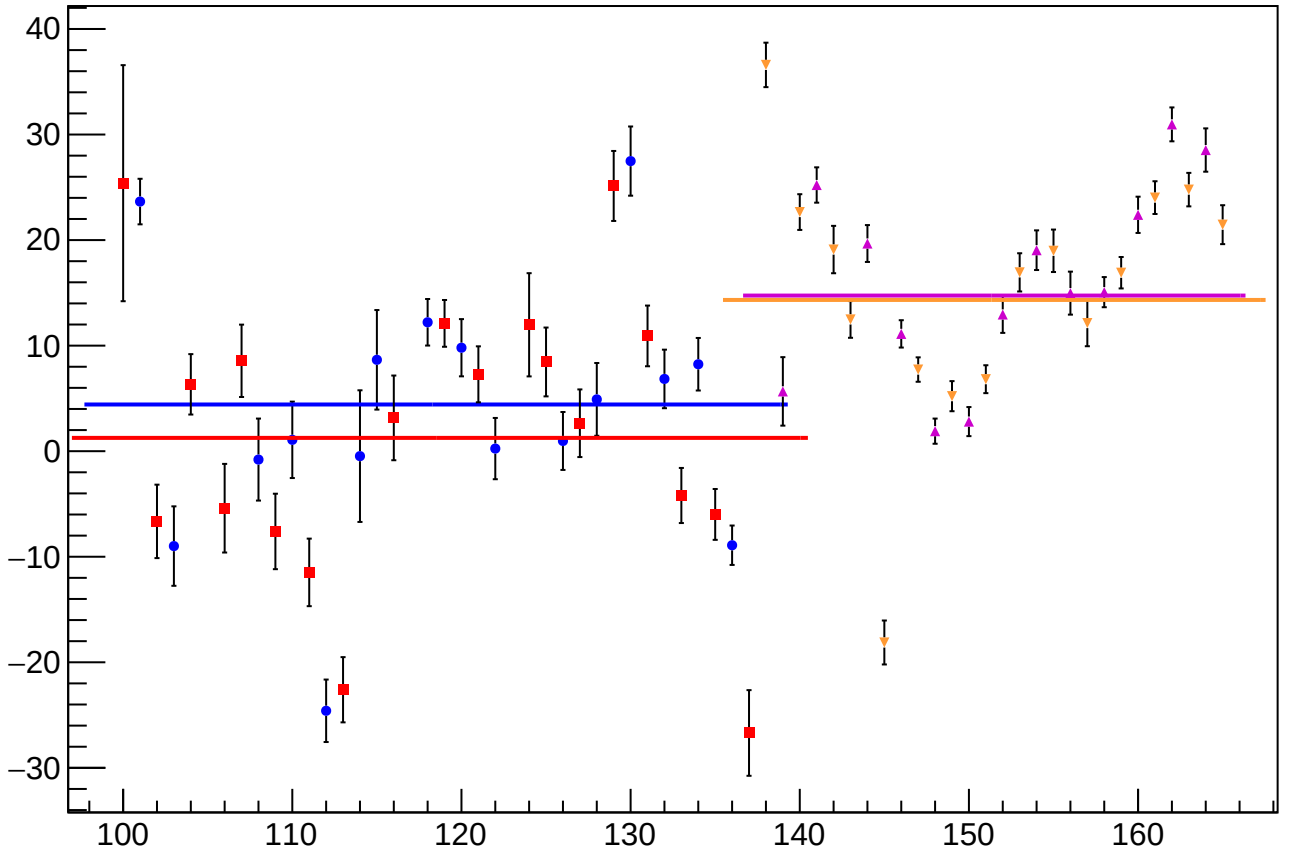
Left: 132.272+/-0.380 χ^2/NDF: 1371.5/27

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 141.690+/-0.423 χ^2/NDF:3338.9/28

Out: 141.590+/-0.417 χ^2/NDF:3487.3/33

All: 141.639+/-0.297 χ^2/NDF: 6826.2/62



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.329+/-0.428 χ^2/NDF:599.1/14

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 14.743+/-0.451 χ^2/NDF:427.5/12

Left: 14.525+/-0.310 χ^2/NDF: 1027.0/27

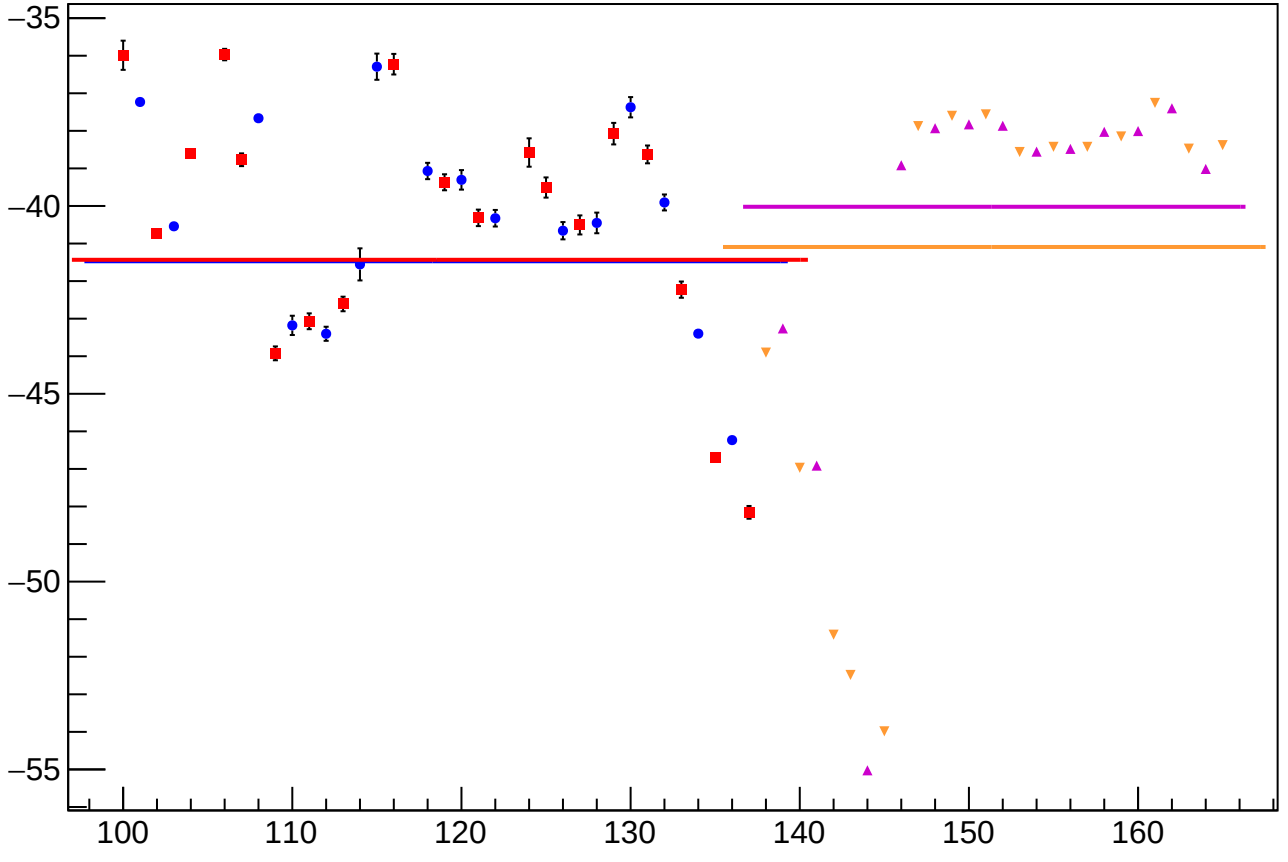
Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 11.799+/-0.381 χ^2/NDF:892.9/28

Out: 10.999+/-0.369 χ^2/NDF:1101.8/33

All: 11.386+/-0.265 χ^2/NDF: 1996.9/62

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.092+/-0.020 χ^2/NDF:70763.9/14

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -40.021+/-0.021 χ^2/NDF:42227.4/12

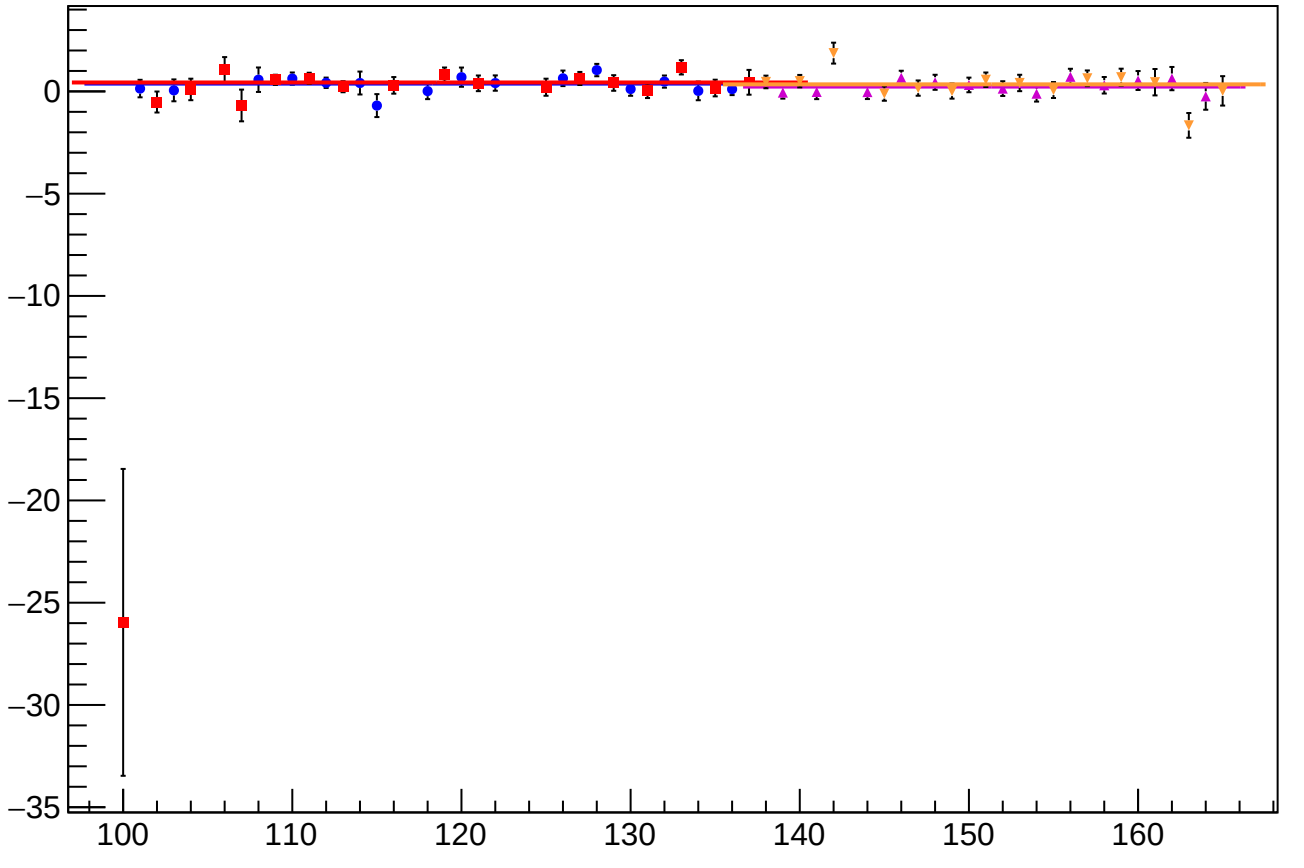
Left: -40.572+/-0.014 χ^2/NDF: 114353.2/27

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.354+/-0.018 χ^2/NDF:51255.9/28

Out: -41.163+/-0.018 χ^2/NDF:79048.4/33

All: -40.764+/-0.013 χ^2/NDF: 131298.2/62



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.344+/-0.107 χ^2/NDF:25.4/13

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.236+/-0.106 χ^2/NDF:8.0/12

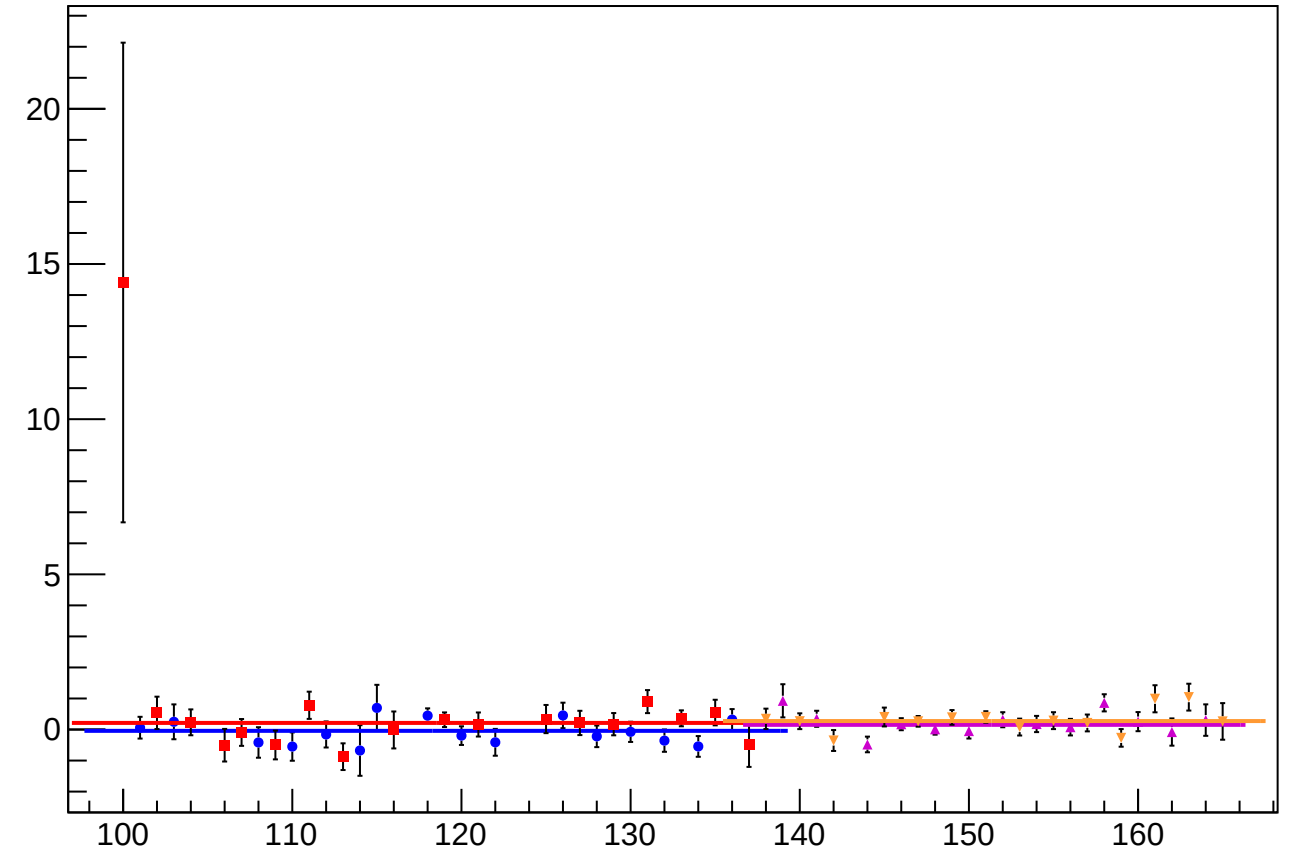
Left: 0.290+/-0.075 χ^2/NDF: 33.9/26

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.319+/-0.069 χ^2/NDF:23.1/28

Out: 0.398+/-0.069 χ^2/NDF:54.8/31

All: 0.359+/-0.049 χ^2/NDF: 78.6/60



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.273+/-0.072 χ^2/NDF:14.5/13

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.151+/-0.073 χ^2/NDF:17.9/12

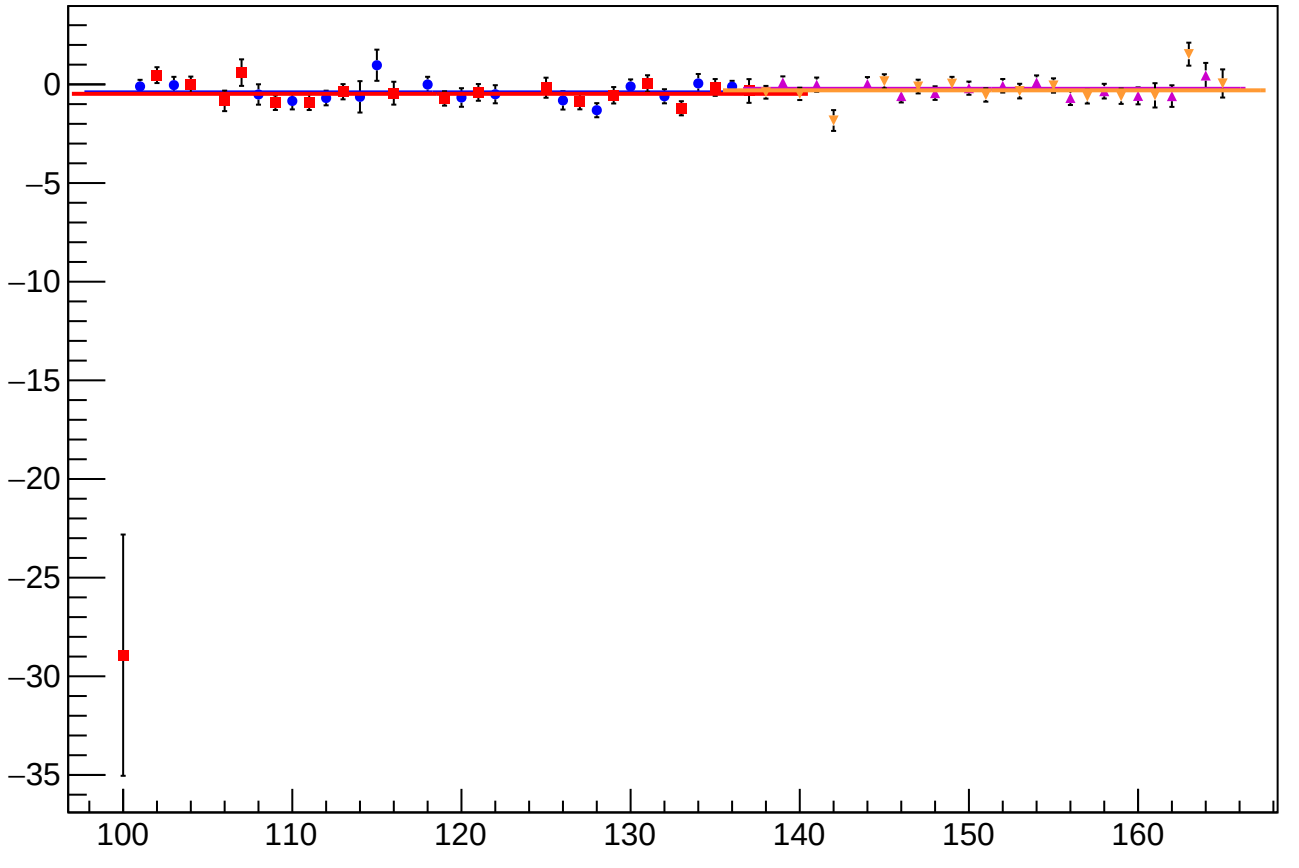
Left: 0.212+/-0.051 χ^2/NDF: 33.9/26

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.079+/-0.058 χ^2/NDF:35.6/28

Out: 0.251+/-0.058 χ^2/NDF:37.2/31

All: 0.165+/-0.041 χ^2/NDF: 77.3/60



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.301+/-0.103 χ^2/NDF:24.4/13

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.225+/-0.102 χ^2/NDF:8.6/12

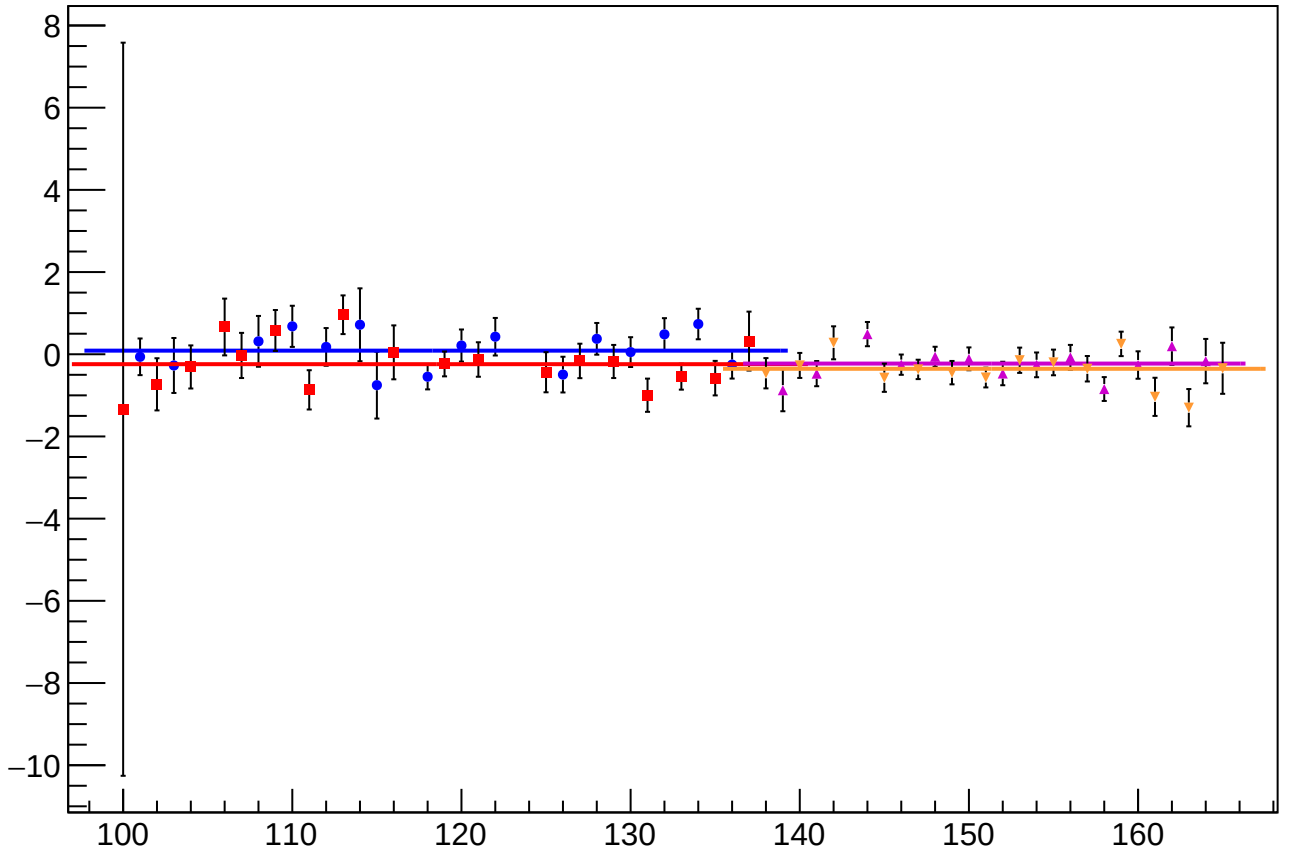
Left: -0.262+/-0.073 χ^2/NDF: 33.2/26

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.315+/-0.073 χ^2/NDF:27.9/28

Out: -0.389+/-0.073 χ^2/NDF:68.1/31

All: -0.351+/-0.052 χ^2/NDF: 96.5/60



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.354+/-0.086 χ^2/NDF:15.3/13

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.227+/-0.086 χ^2/NDF:15.2/12

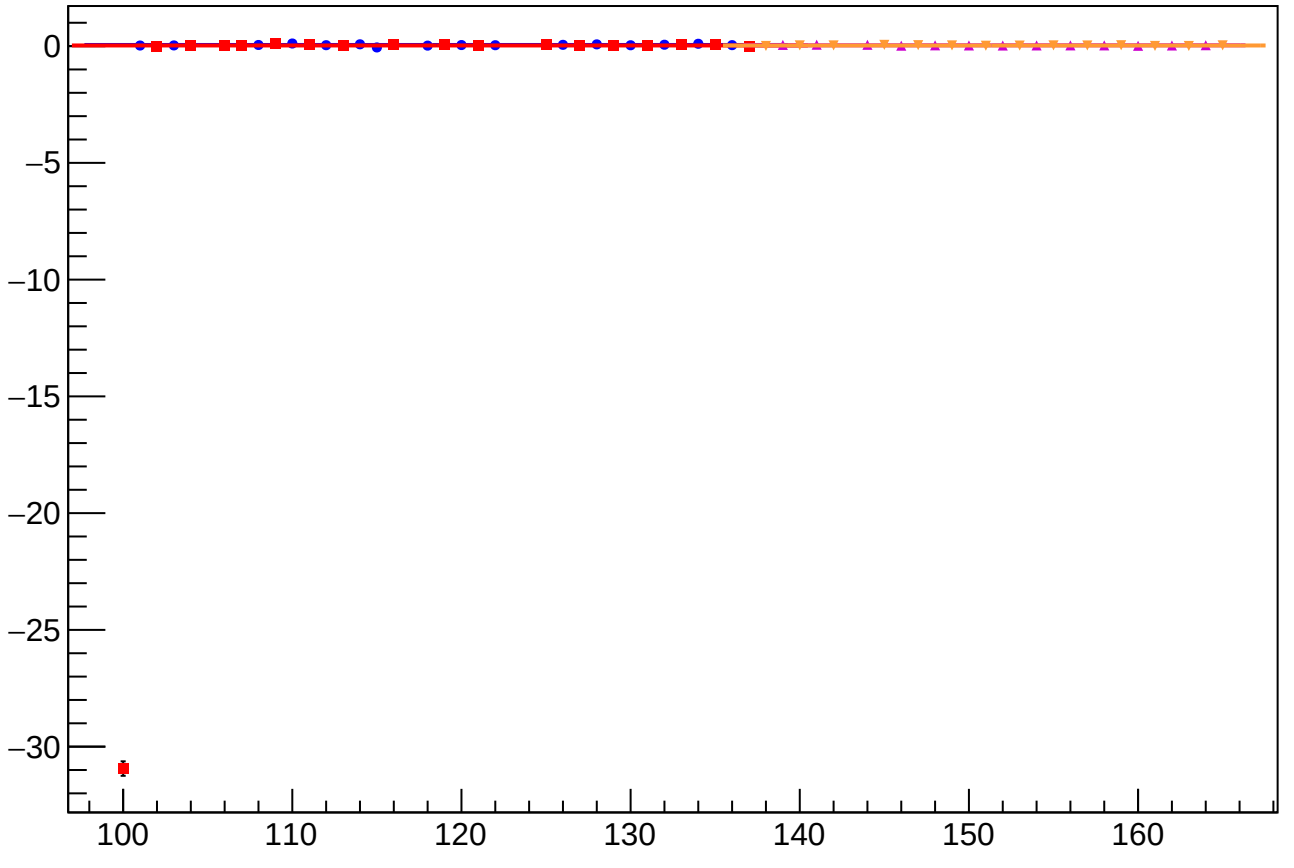
Left: -0.290+/-0.061 χ^2/NDF: 31.6/26

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.105+/-0.067 χ^2/NDF:36.3/28

Out: -0.311+/-0.068 χ^2/NDF:35.6/31

All: -0.208+/-0.048 χ^2/NDF: 76.5/60



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.4/13

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.035+/-0.004 χ^2/NDF:12.0/12

Left: 0.031+/-0.003 χ^2/NDF: 24.5/26

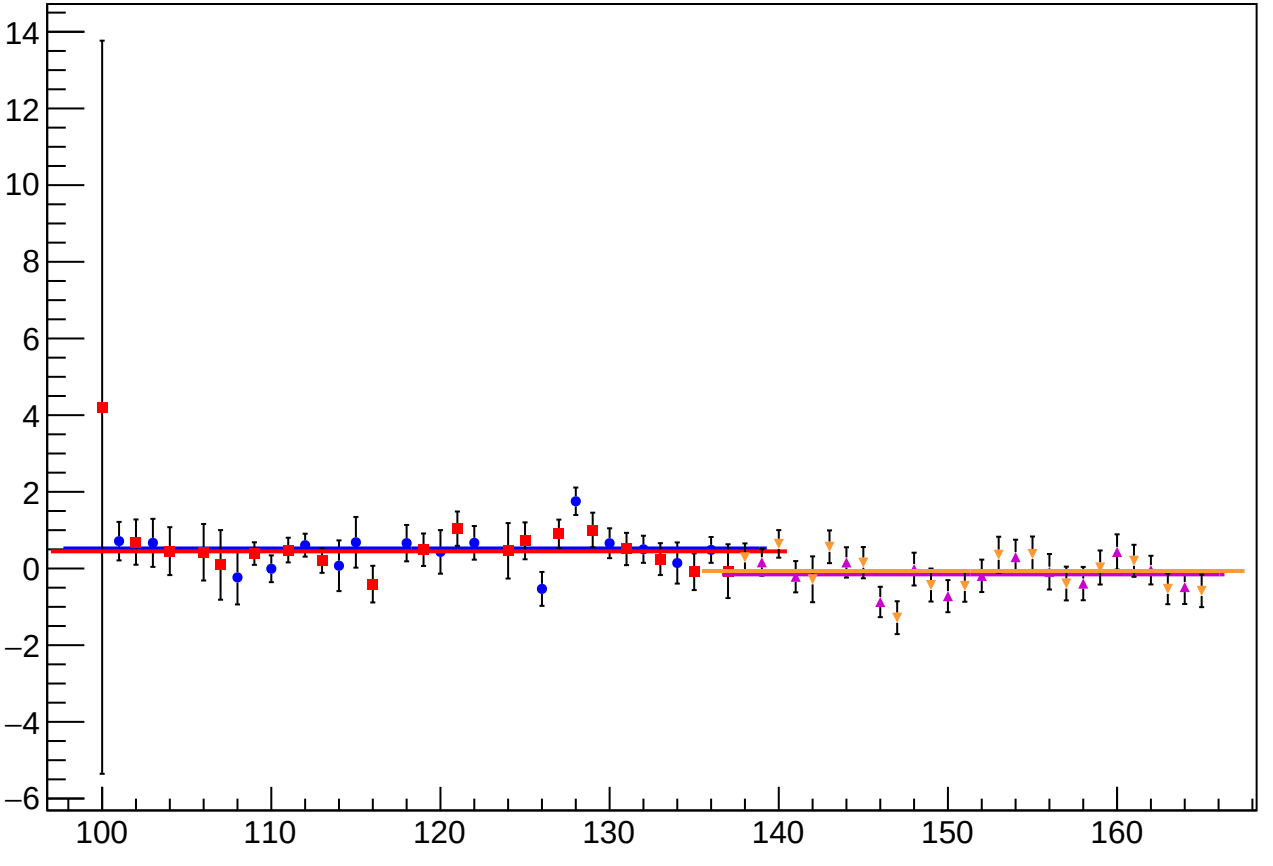
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:34.7/28

Out: 0.027+/-0.003 χ^2/NDF:10031.3/31

All: 0.033+/-0.002 χ^2/NDF: 10072.0/60

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.065+/-0.110 χ^2/NDF:22.7/14

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.153+/-0.115 χ^2/NDF:10.3/12

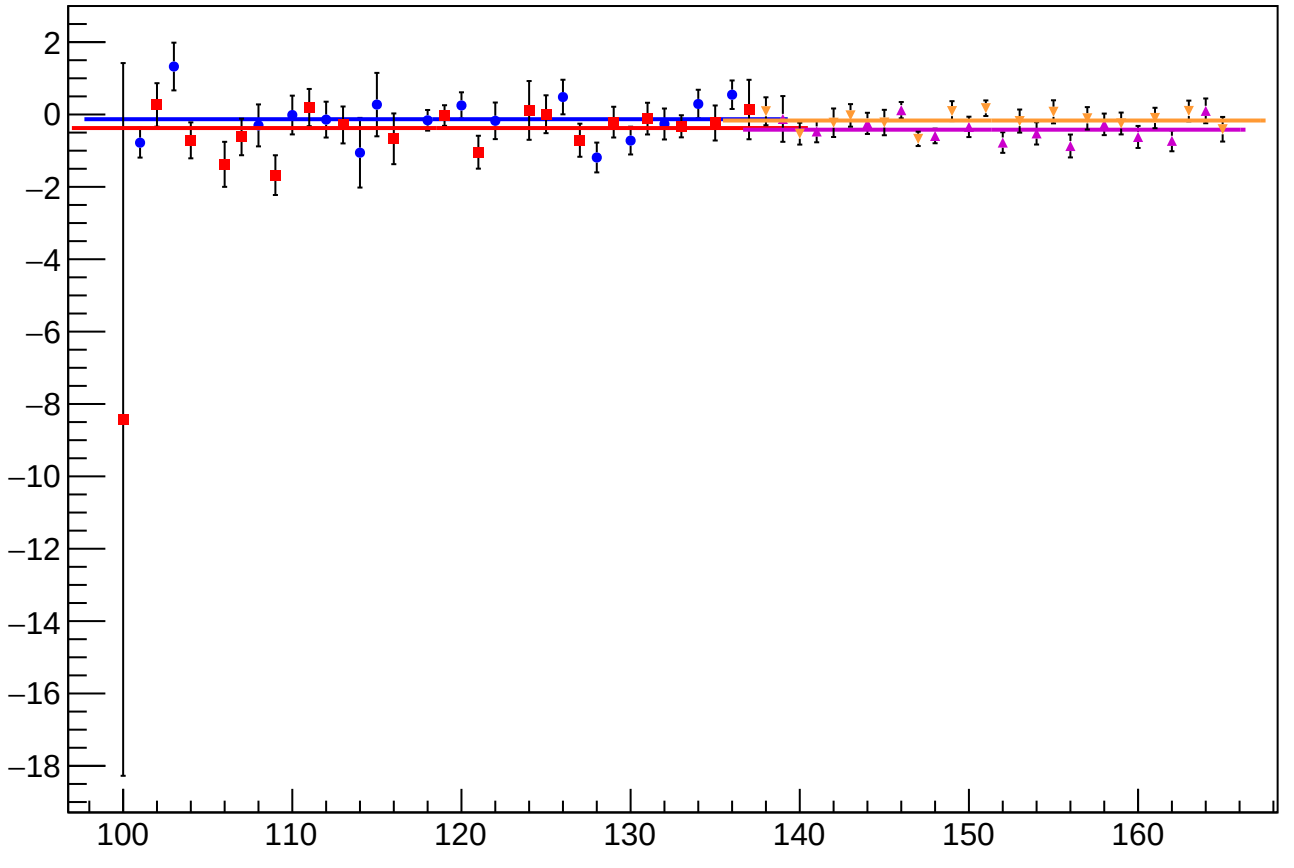
Left: -0.107+/-0.079 χ^2/NDF: 33.3/27

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.205+/-0.079 χ^2/NDF:51.1/28

Out: 0.202+/-0.076 χ^2/NDF:45.5/33

All: 0.203+/-0.055 χ^2/NDF: 96.7/62



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.166+/-0.075 χ^2/NDF:14.2/14

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.420+/-0.080 χ^2/NDF:15.0/12

Left: -0.286+/-0.055 χ^2/NDF: 34.6/27

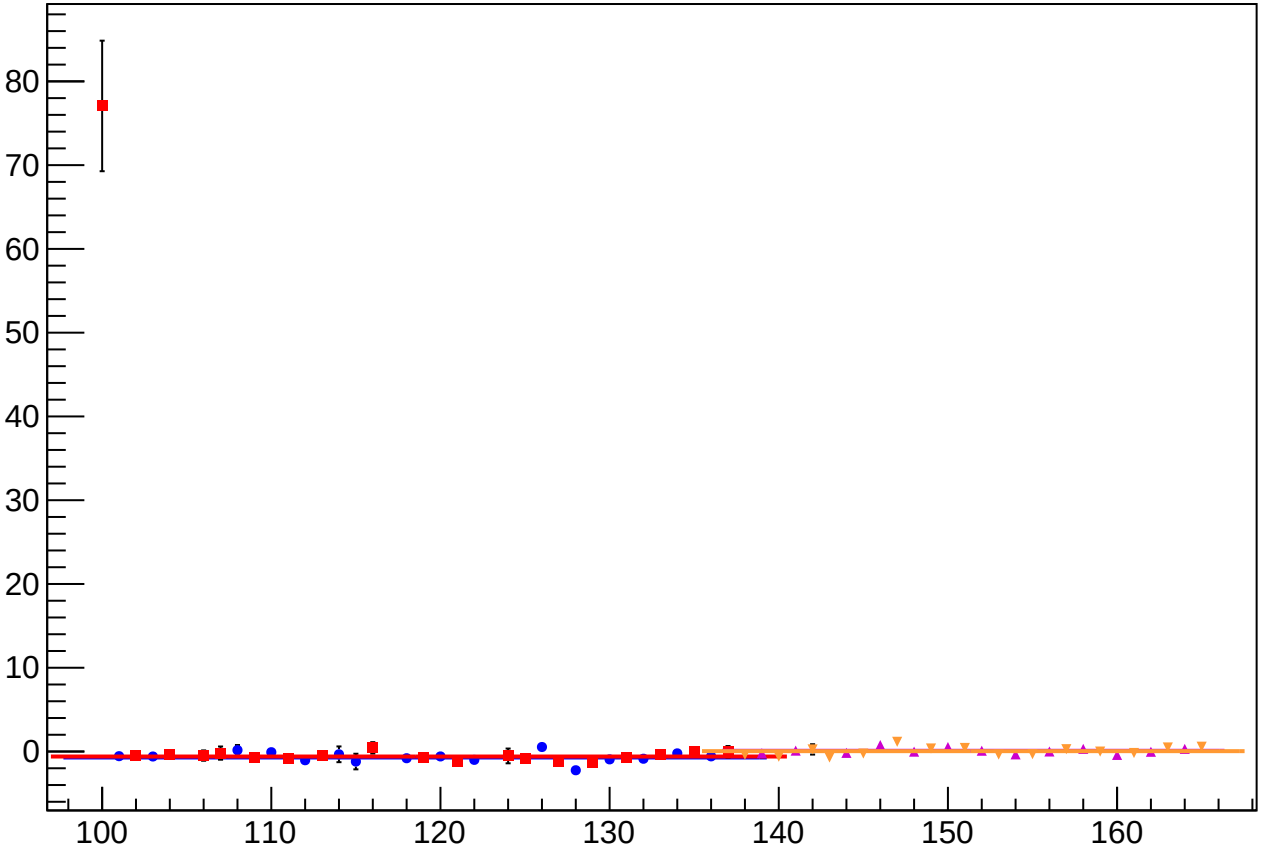
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.322+/-0.065 χ^2/NDF:44.0/28

Out: -0.231+/-0.062 χ^2/NDF:34.8/33

All: -0.275+/-0.045 χ^2/NDF: 79.9/62

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.043+/-0.106 χ^2/NDF:22.6/14

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.086+/-0.111 χ^2/NDF:8.7/12

Left: 0.064+/-0.077 χ^2/NDF: 31.4/27

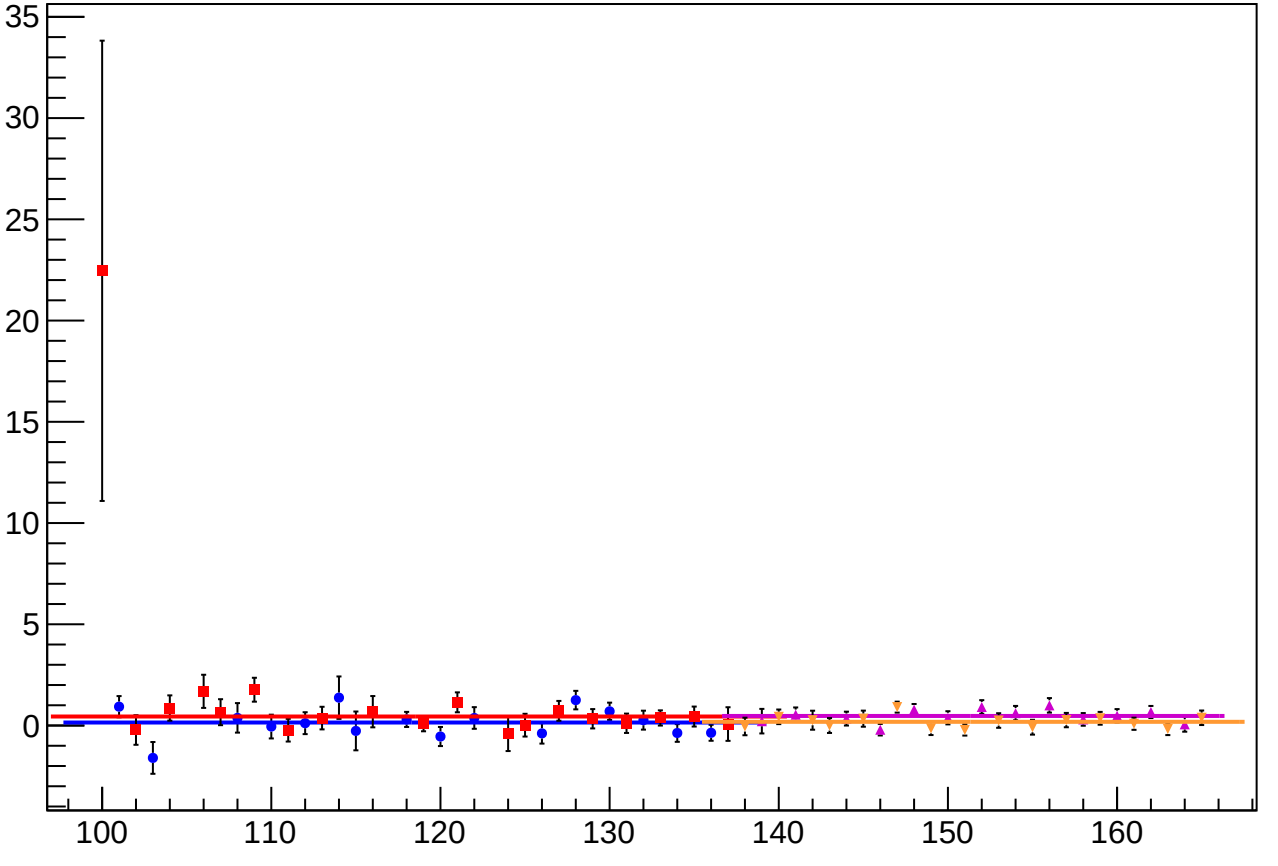
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.277+/-0.082 χ^2/NDF:57.1/28

Out: -0.234+/-0.080 χ^2/NDF:149.3/33

All: -0.255+/-0.057 χ^2/NDF: 206.5/62

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.182+/-0.088 χ^2/NDF:14.1/14

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.472+/-0.093 χ^2/NDF:13.4/12

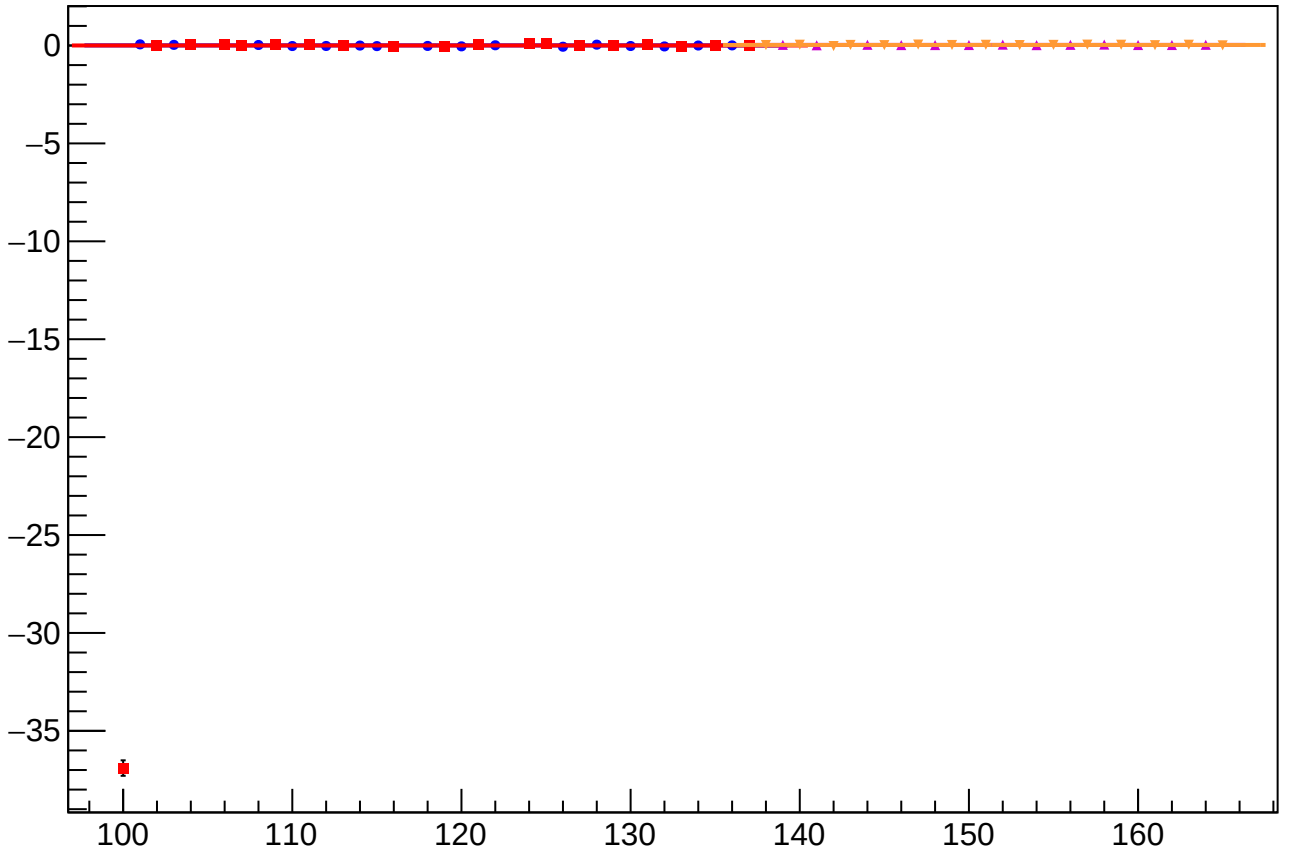
Left: 0.319+/-0.064 χ^2/NDF: 32.6/27

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.360+/-0.075 χ^2/NDF:40.8/28

Out: 0.266+/-0.072 χ^2/NDF:36.7/33

All: 0.312+/-0.052 χ^2/NDF: 78.3/62



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.029+/-0.004 χ^2/NDF:12.6/14

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.030+/-0.004 χ^2/NDF:5.5/12

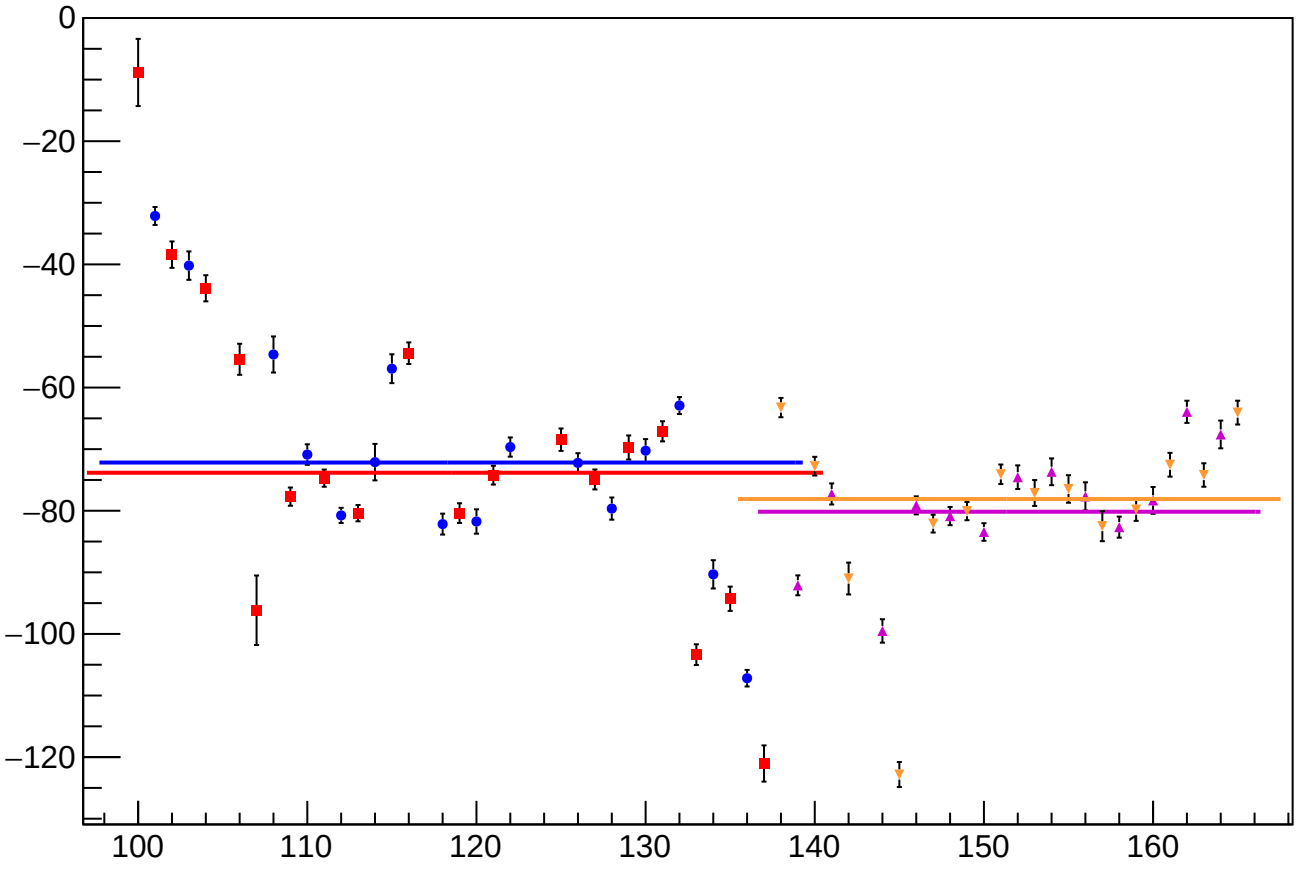
Left: 0.029+/-0.003 χ^2/NDF: 18.1/27

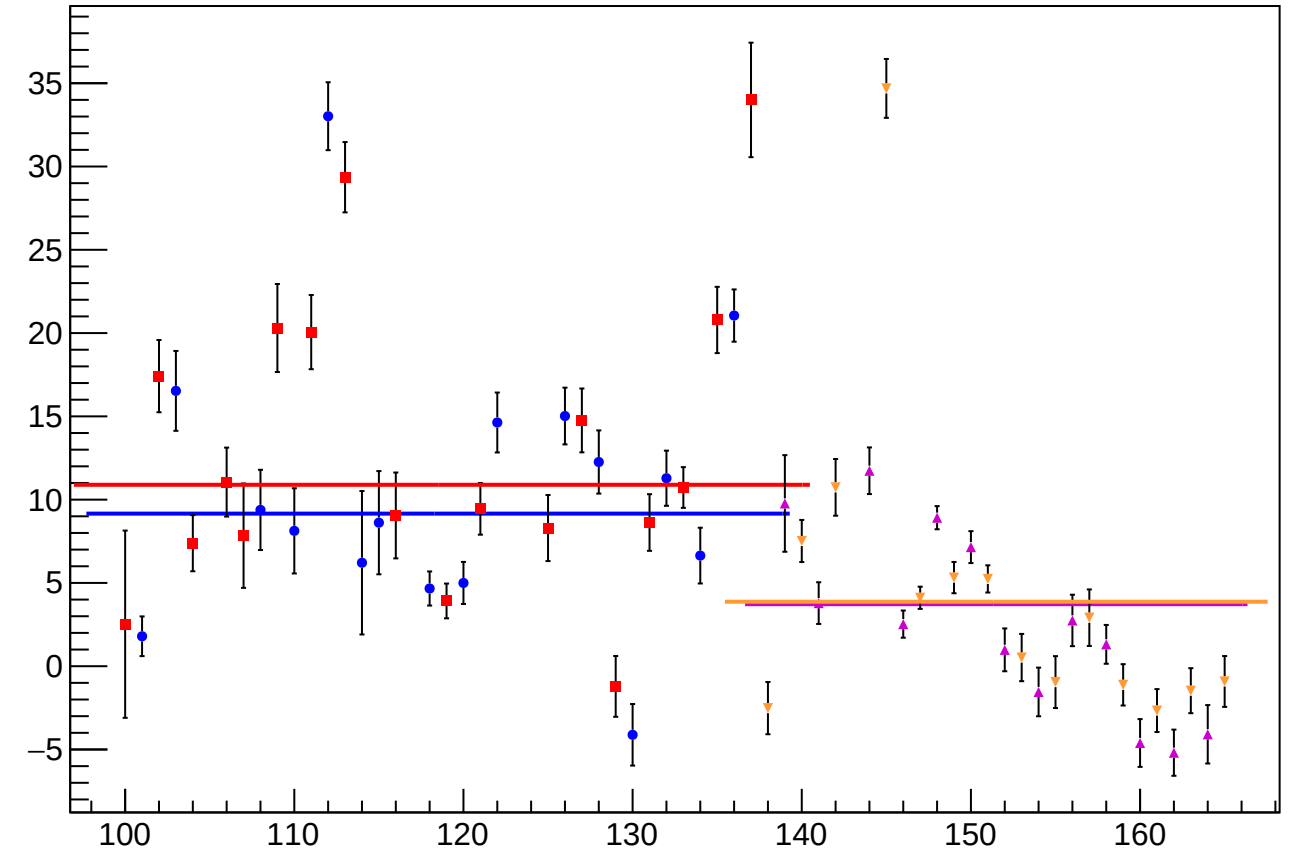
Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:31.1/28

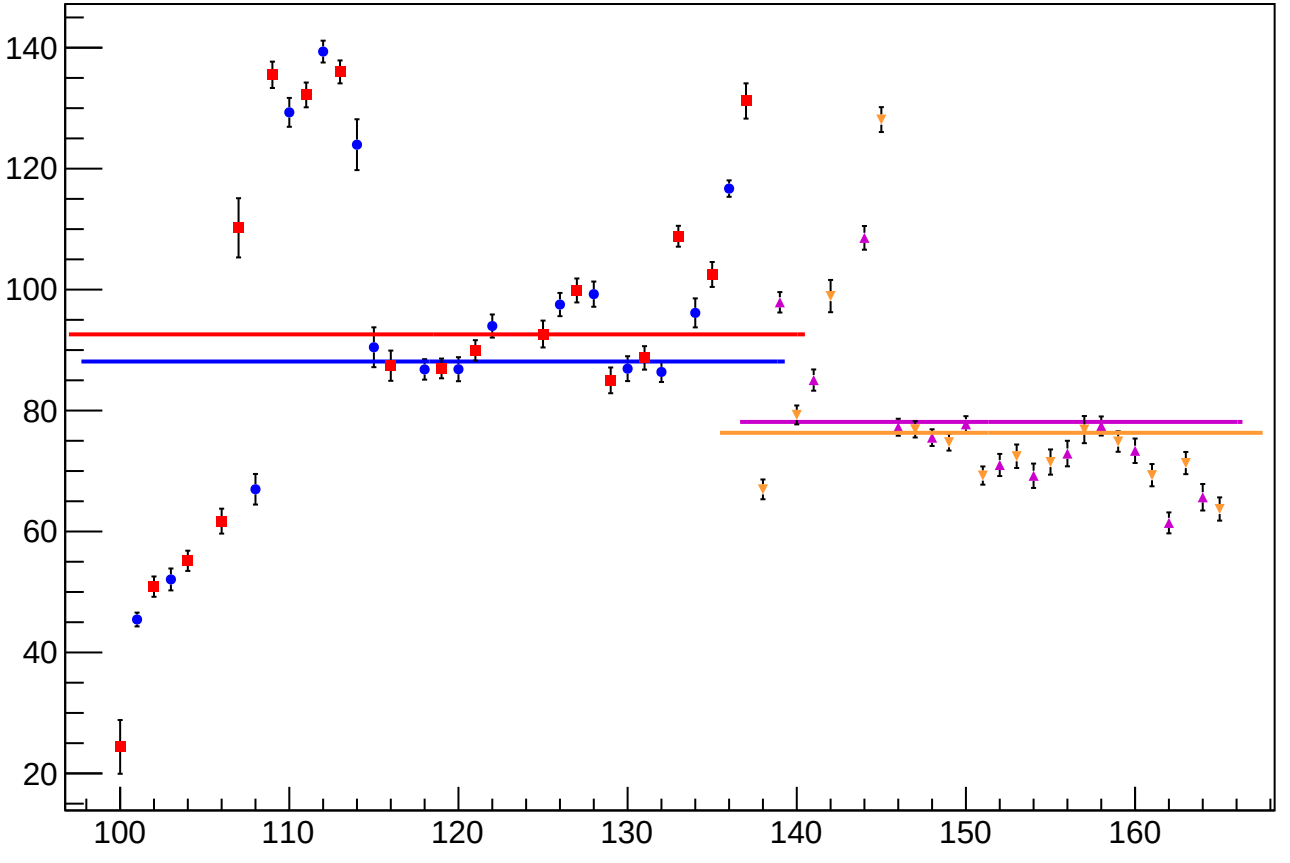
Out: 0.023+/-0.004 χ^2/NDF:8775.6/33

All: 0.024+/-0.003 χ^2/NDF: 8806.9/62


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
Right In: -72.173+/-0.432 χ²/NDF: 1936.0/15
Left Out: -78.098+/-0.484 χ²/NDF:697.0/13
Right Out: -73.831+/-0.431 χ²/NDF: 1557.7/17
Left In: -80.160+/-0.491 χ²/NDF:300.6/12
Left: -79.115+/-0.345 χ²/NDF: 1006.5/26
Right: -73.004+/-0.305 χ²/NDF: 3501.0/33
In: -75.659+/-0.324 χ²/NDF:2385.8/28
Out: -75.716+/-0.322 χ²/NDF:2298.0/31
All: -75.687+/-0.228 χ²/NDF: 4683.8/60


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
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.872+/-0.315 χ²/NDF:433.3/13
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.724+/-0.325 χ²/NDF:225.1/12
Left: 3.800+/-0.226 χ²/NDF: 658.5/26
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.726+/-0.258 χ²/NDF:680.5/28
Out: 6.251+/-0.256 χ²/NDF:891.7/31
All: 5.990+/-0.182 χ²/NDF: 1574.3/60

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 76.318+/-0.467 χ^2/NDF:839.8/13

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 78.121+/-0.472 χ^2/NDF:570.3/12

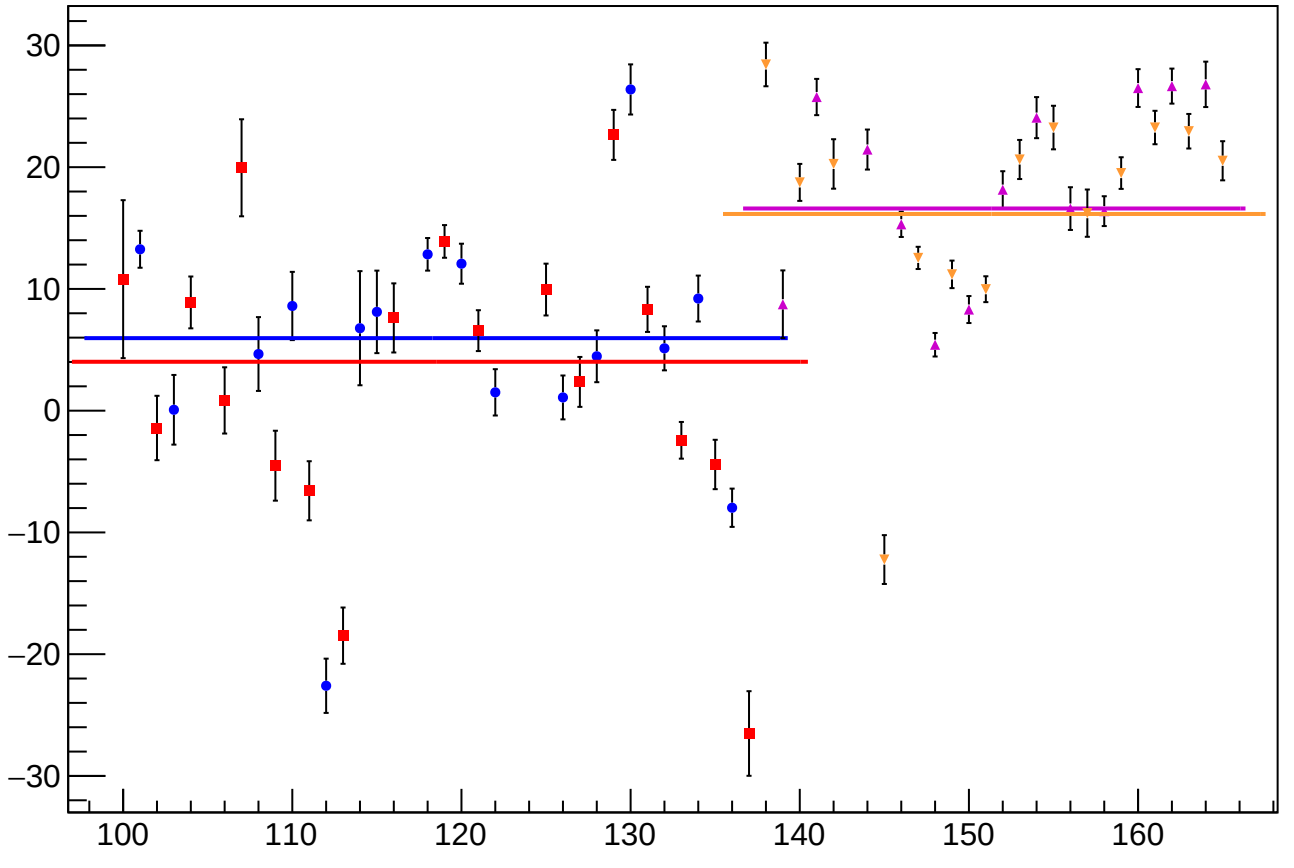
Left: 77.211+/-0.332 χ^2/NDF: 1417.5/26

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 83.150+/-0.333 χ^2/NDF:4357.6/28

Out: 84.185+/-0.336 χ^2/NDF:4637.3/31

All: 83.663+/-0.236 χ^2/NDF: 8999.7/60



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.156+/-0.376 χ^2/NDF:410.2/13

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.607+/-0.386 χ^2/NDF:386.1/12

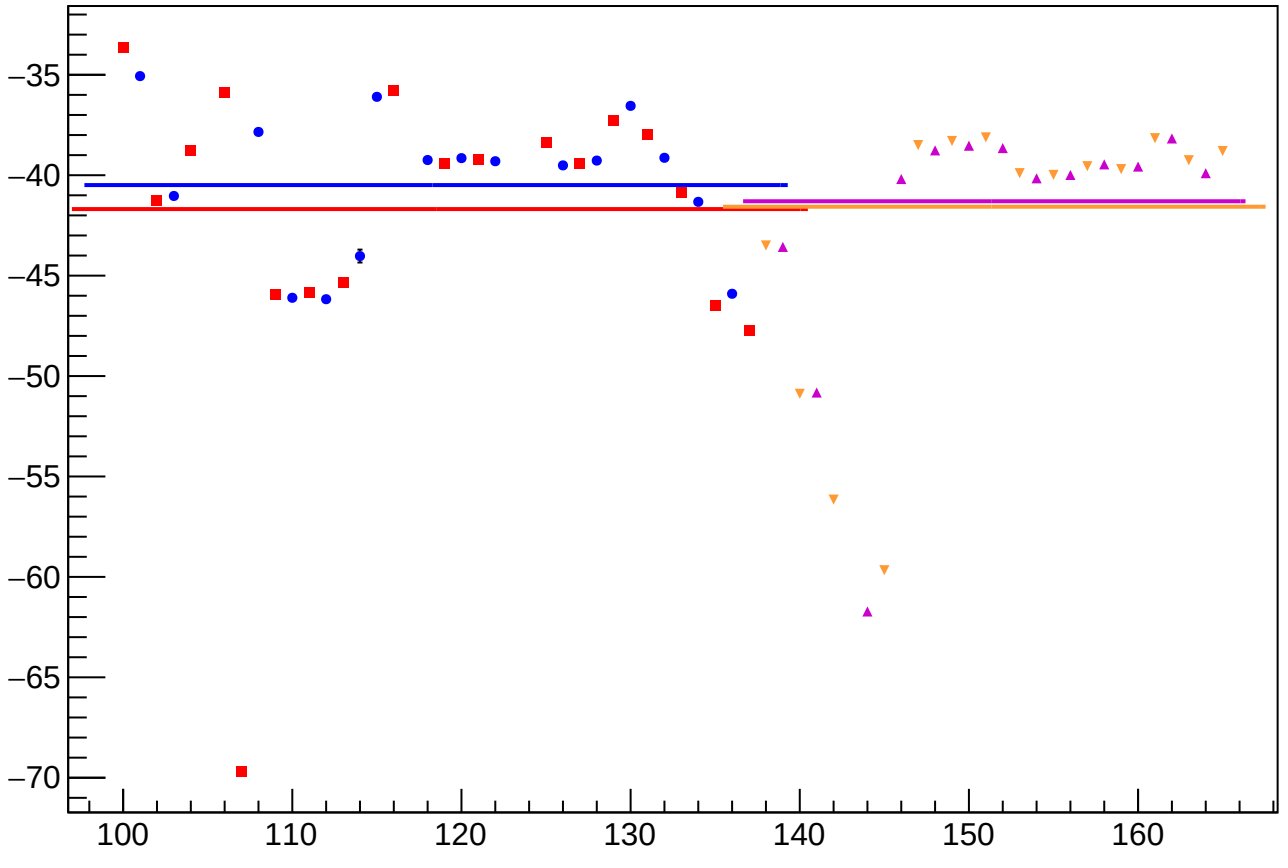
Left: 16.375+/-0.269 χ^2/NDF: 797.1/26

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.581+/-0.304 χ^2/NDF:1101.1/28

Out: 11.879+/-0.302 χ^2/NDF:1195.4/31

All: 12.228+/-0.214 χ^2/NDF: 2299.2/60



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.569+/-0.018 χ^2/NDF:103640.0/13

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.296+/-0.018 χ^2/NDF:84531.7/12

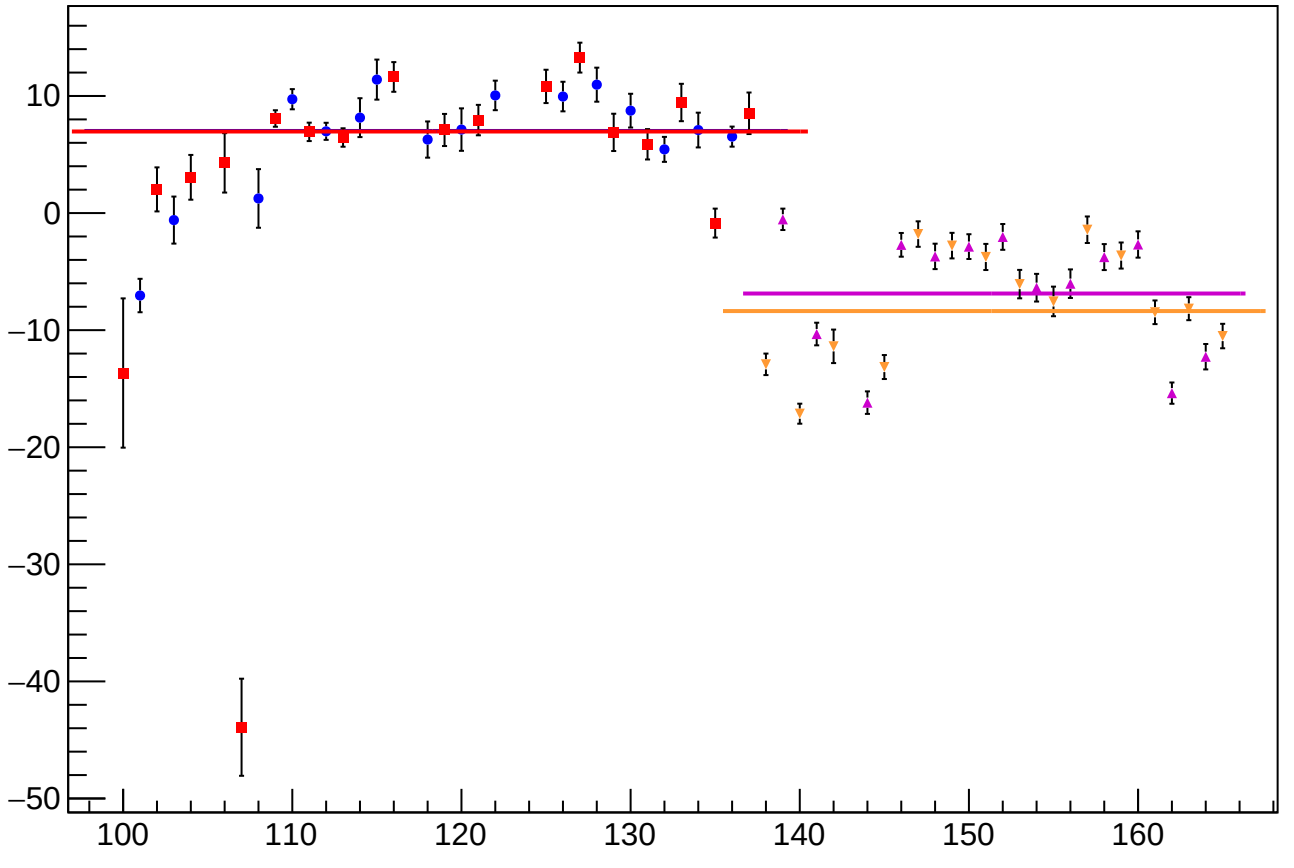
Left: -41.433+/-0.013 χ^2/NDF: 188287.2/26

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.066+/-0.015 χ^2/NDF:103235.1/28

Out: -41.601+/-0.015 χ^2/NDF:140490.1/31

All: -41.331+/-0.011 χ^2/NDF: 244342.6/60



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.370+/-0.285 χ^2/NDF:299.8/13

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.871+/-0.289 χ^2/NDF:348.5/12

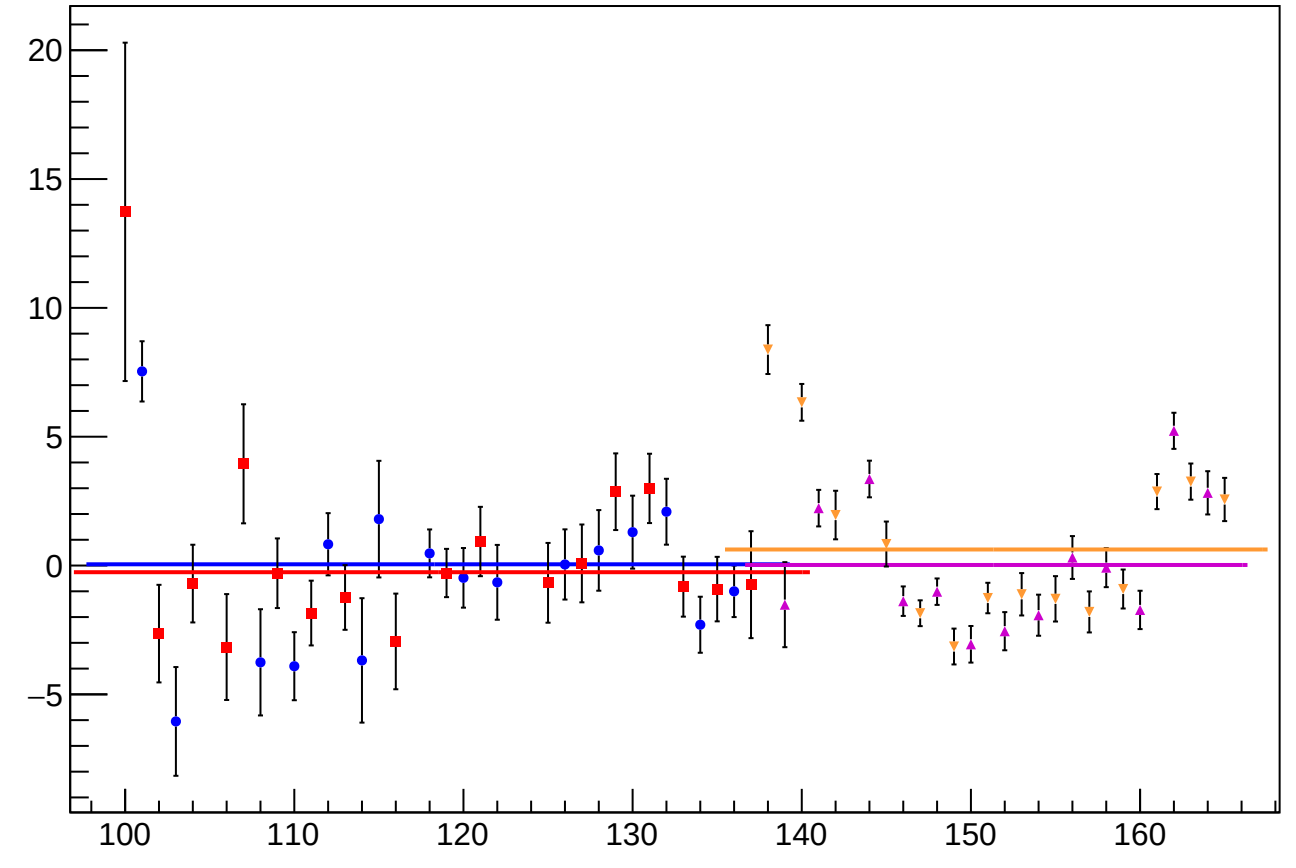
Left: -7.632+/-0.203 χ^2/NDF: 662.0/26

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -0.390+/-0.211 χ^2/NDF:1579.2/28

Out: -1.046+/-0.206 χ^2/NDF:1948.1/31

All: -0.727+/-0.148 χ^2/NDF: 3532.2/60



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.623+/-0.196 χ^2/NDF:249.8/13

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.022+/-0.200 χ^2/NDF:151.5/12

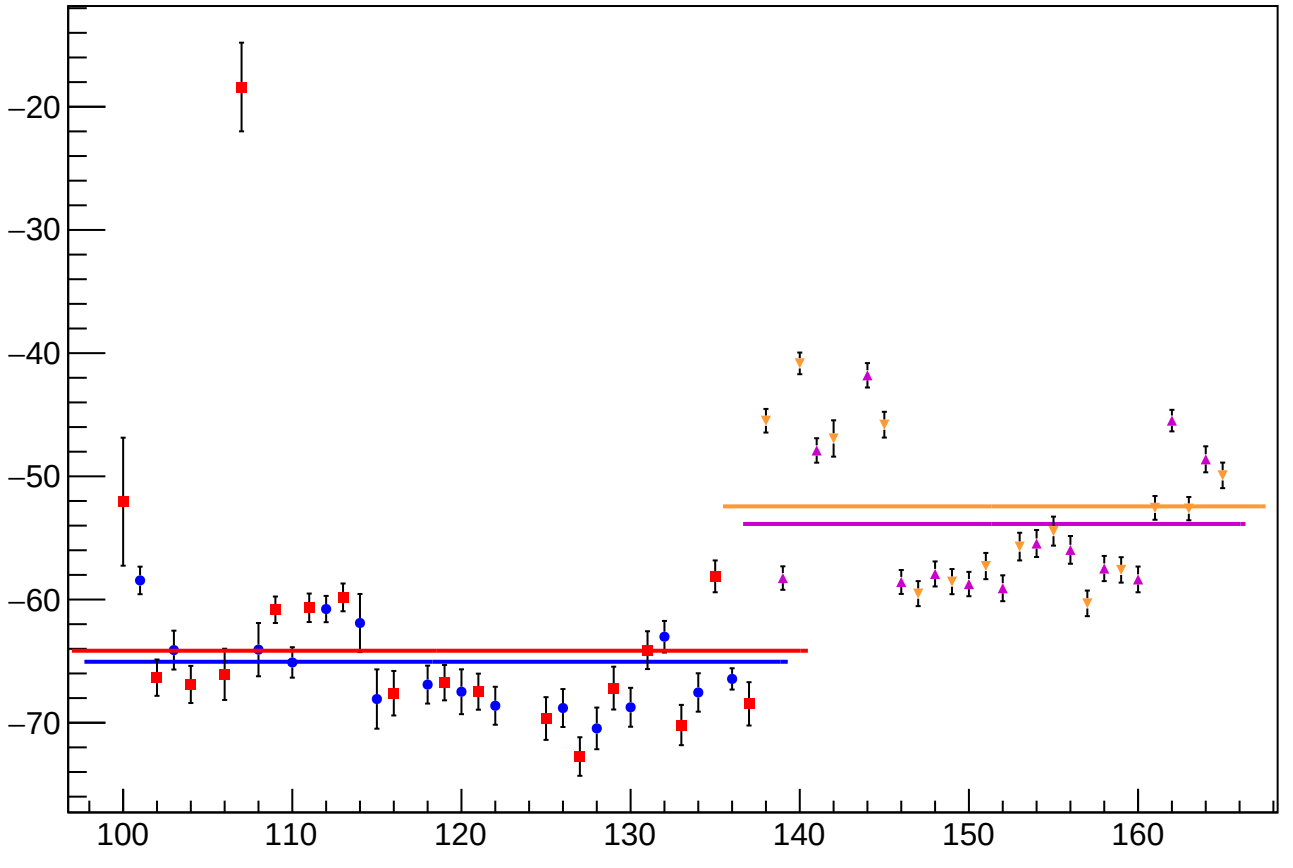
Left: 0.329+/-0.140 χ^2/NDF: 405.9/26

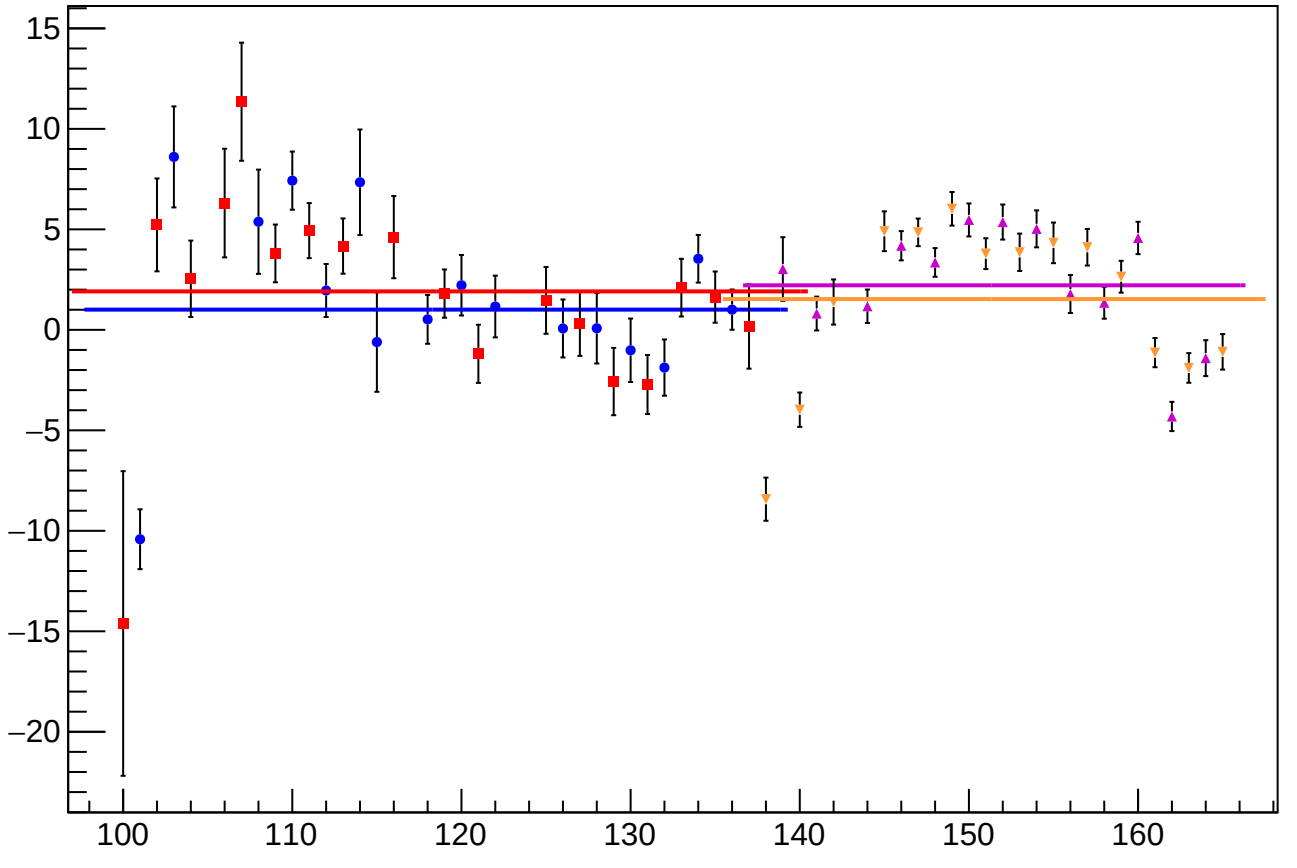
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.029+/-0.171 χ^2/NDF:226.5/28

Out: 0.408+/-0.170 χ^2/NDF:282.3/31

All: 0.220+/-0.121 χ^2/NDF: 511.2/60


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -65.051+/-0.354 χ²/NDF: 92.8/15
Left Out: -52.438+/-0.277 χ²/NDF:486.0/13
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.865+/-0.280 χ²/NDF:447.9/12
Left: -53.144+/-0.197 χ²/NDF: 947.2/26
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -58.161+/-0.219 χ²/NDF:1155.8/28
Out: -56.781+/-0.219 χ²/NDF:1454.9/31
All: -57.471+/-0.155 χ²/NDF: 2630.4/60



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.532+/-0.228 χ^2/NDF:268.1/13

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 2.215+/-0.233 χ^2/NDF:159.4/12

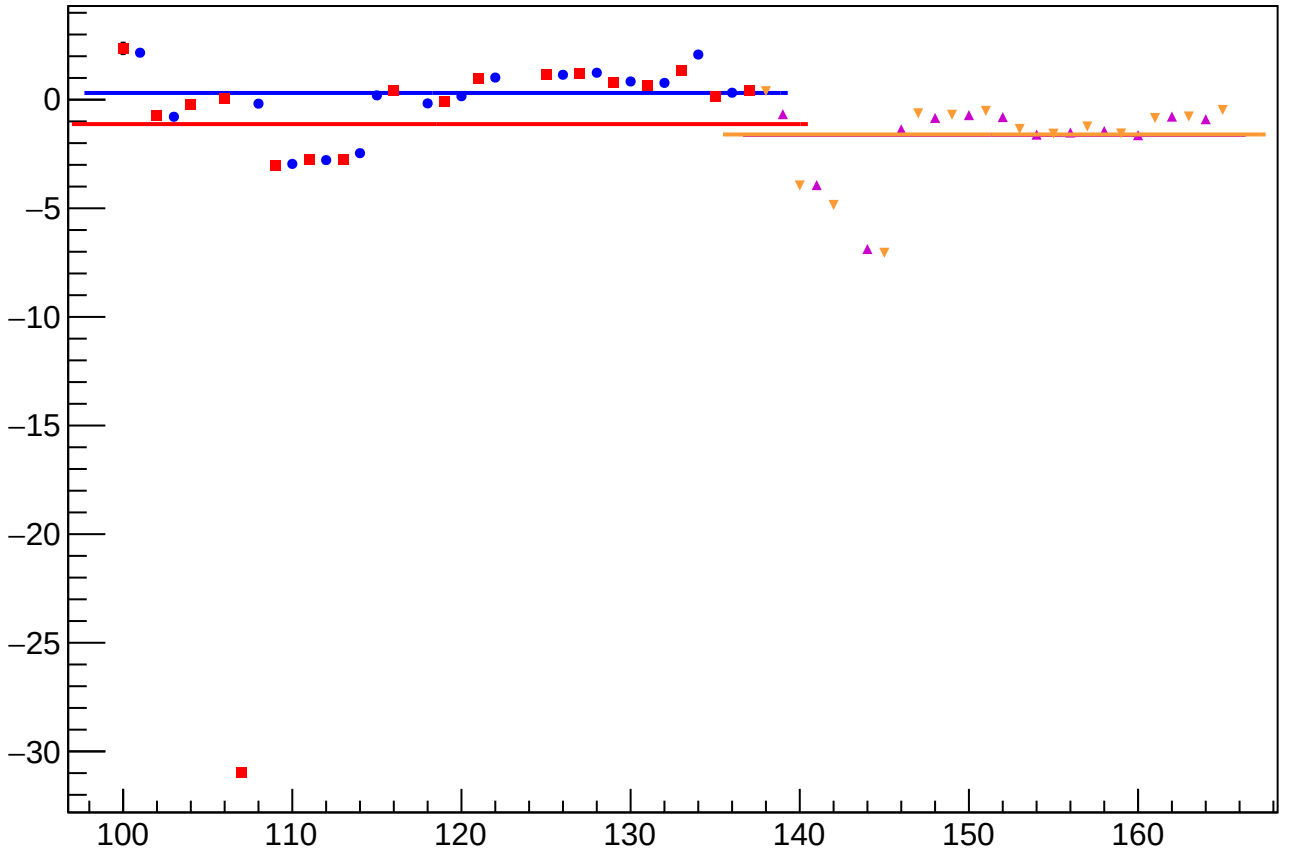
Left: 1.866+/-0.163 χ^2/NDF: 431.9/26

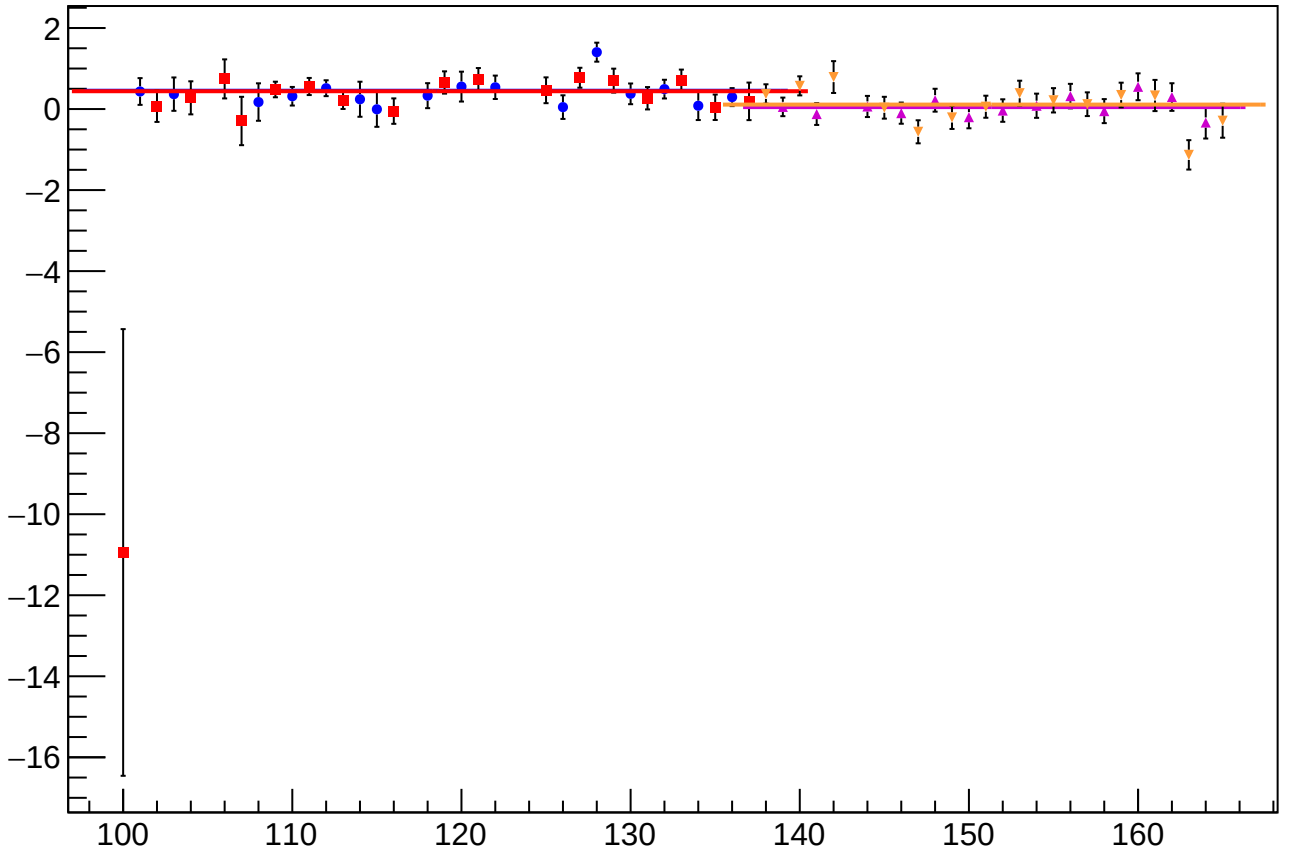
Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.880+/-0.198 χ^2/NDF:276.1/28

Out: 1.629+/-0.197 χ^2/NDF:323.3/31

All: 1.754+/-0.139 χ^2/NDF: 600.2/60


reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: 0.310+/-0.021 χ²/NDF: 4848.4/15
Left Out: -1.601+/-0.010 χ²/NDF:30388.1/13
Right Out: -1.124+/-0.022 χ²/NDF: 46347.9/17
Left In: -1.624+/-0.010 χ²/NDF:20534.4/12
Left: -1.612+/-0.007 χ²/NDF: 50924.9/26
Right: -0.369+/-0.015 χ²/NDF: 53391.3/33
In: -1.239+/-0.009 χ²/NDF:32138.0/28
Out: -1.515+/-0.009 χ²/NDF:77114.2/31
All: -1.376+/-0.007 χ²/NDF: 109680.2/60



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.110+/-0.080 χ^2/NDF:29.5/13

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.048+/-0.079 χ^2/NDF:6.7/12

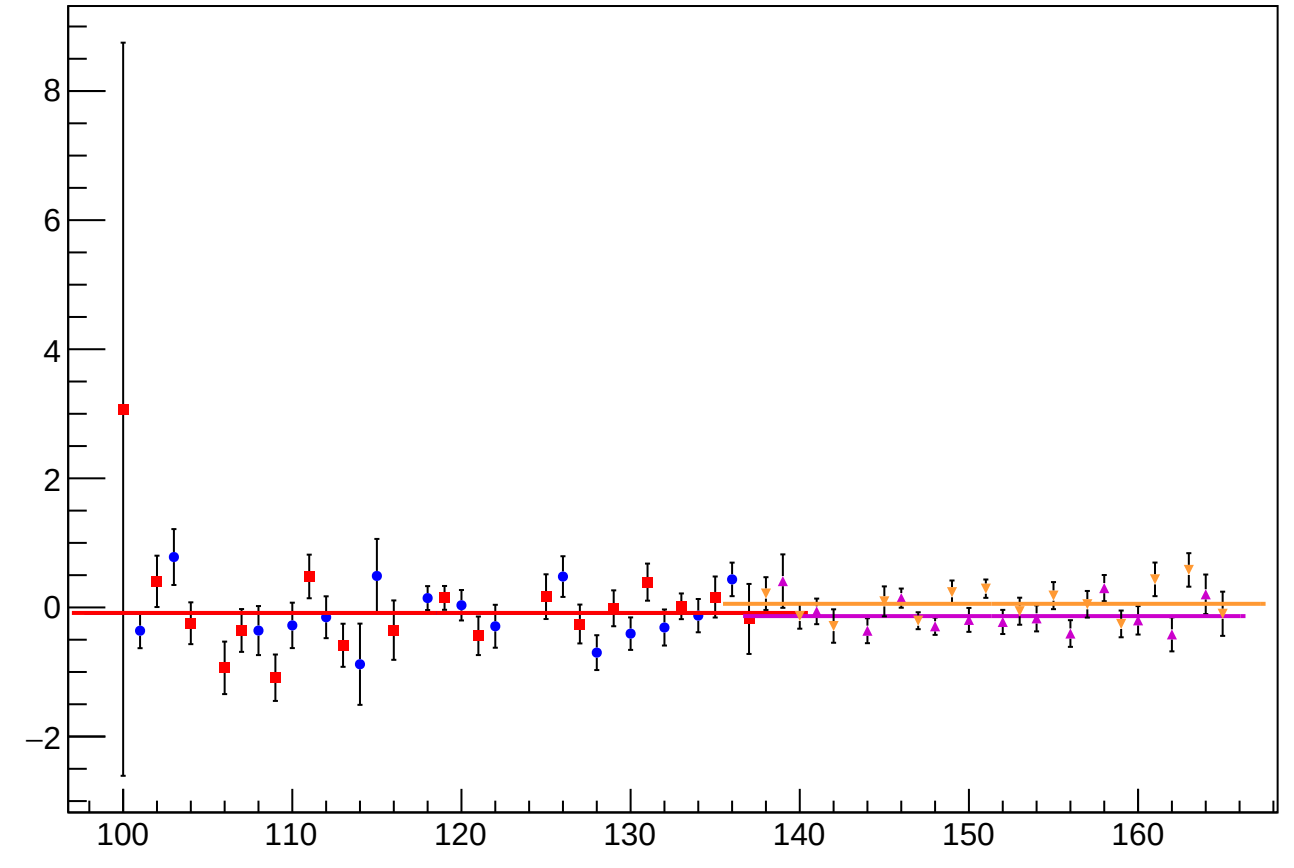
Left: 0.079+/-0.056 χ^2/NDF: 36.5/26

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.272+/-0.053 χ^2/NDF:43.6/28

Out: 0.297+/-0.052 χ^2/NDF:57.8/31

All: 0.285+/-0.037 χ^2/NDF: 101.5/60



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.056+/-0.054 χ^2/NDF:20.1/13

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.134+/-0.055 χ^2/NDF:17.2/12

Left: -0.038+/-0.038 χ^2/NDF: 43.5/26

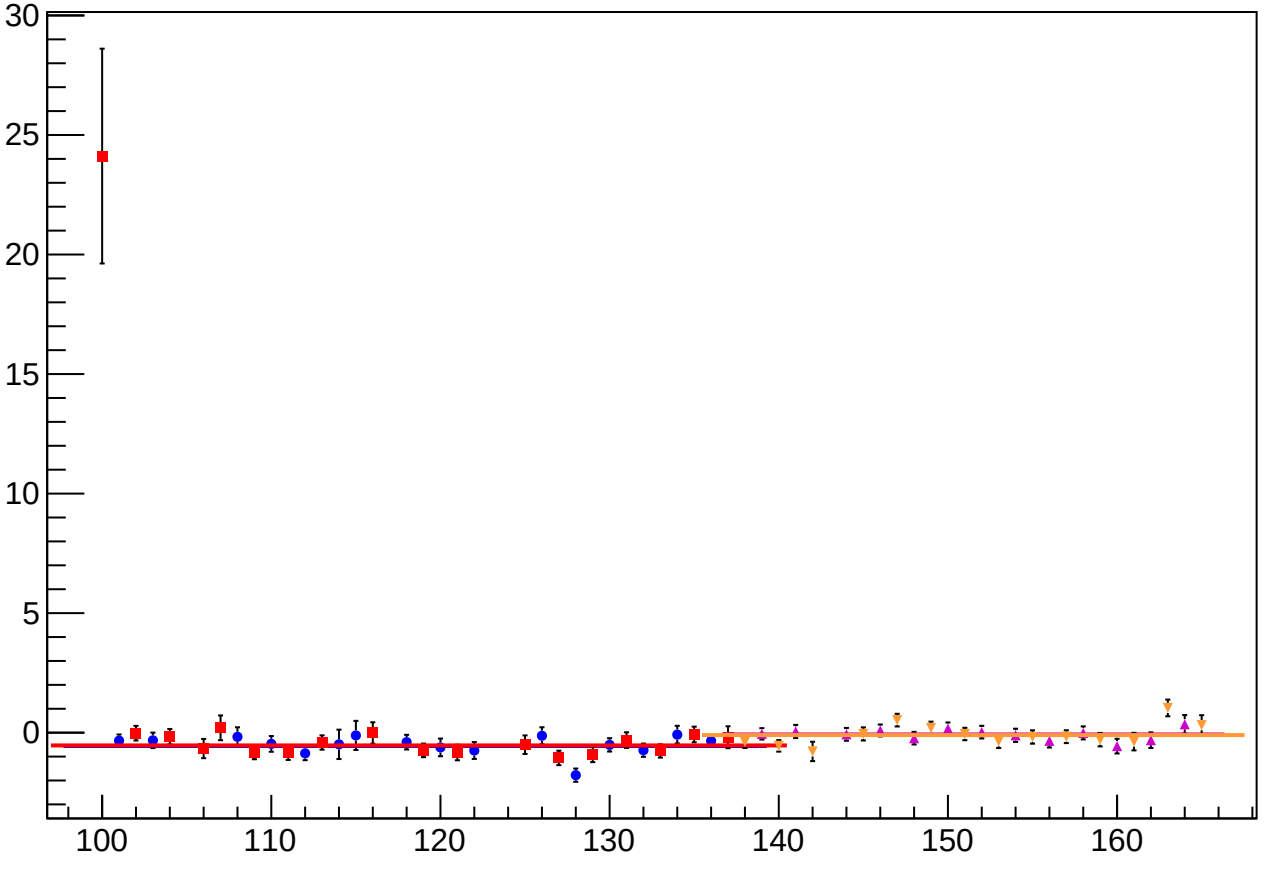
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.117+/-0.044 χ^2/NDF:42.9/28

Out: 0.007+/-0.044 χ^2/NDF:50.4/31

All: -0.055+/-0.031 χ^2/NDF: 97.3/60

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.101+/-0.077 χ^2/NDF:28.0/13

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.074+/-0.077 χ^2/NDF:7.3/12

Left: -0.087+/-0.054 χ^2/NDF: 35.4/26

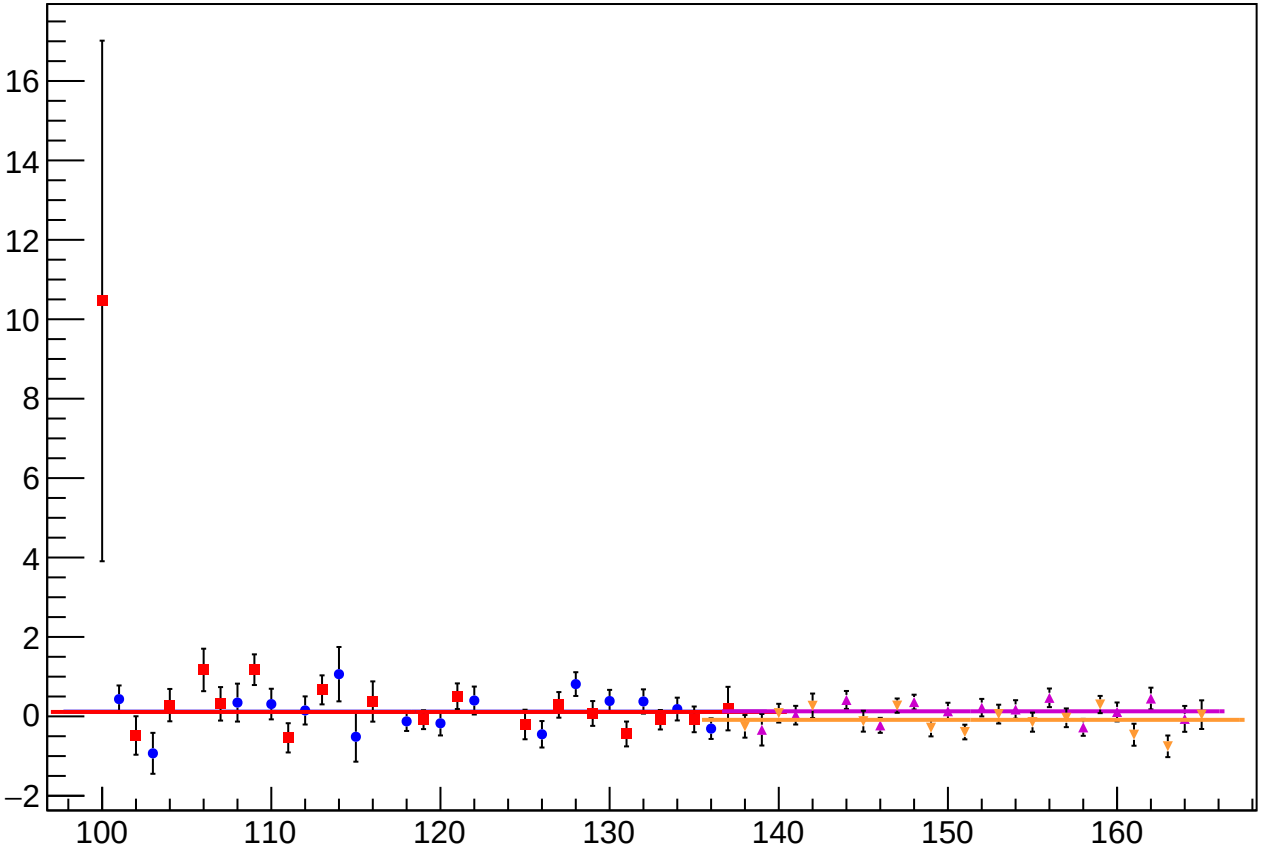
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.307+/-0.055 χ^2/NDF:54.8/28

Out: -0.307+/-0.056 χ^2/NDF:92.3/31

All: -0.307+/-0.039 χ^2/NDF: 147.1/60

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.088+/-0.064 χ^2/NDF:21.3/13

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.128+/-0.064 χ^2/NDF:15.9/12

Left: 0.019+/-0.045 χ^2/NDF: 42.9/26

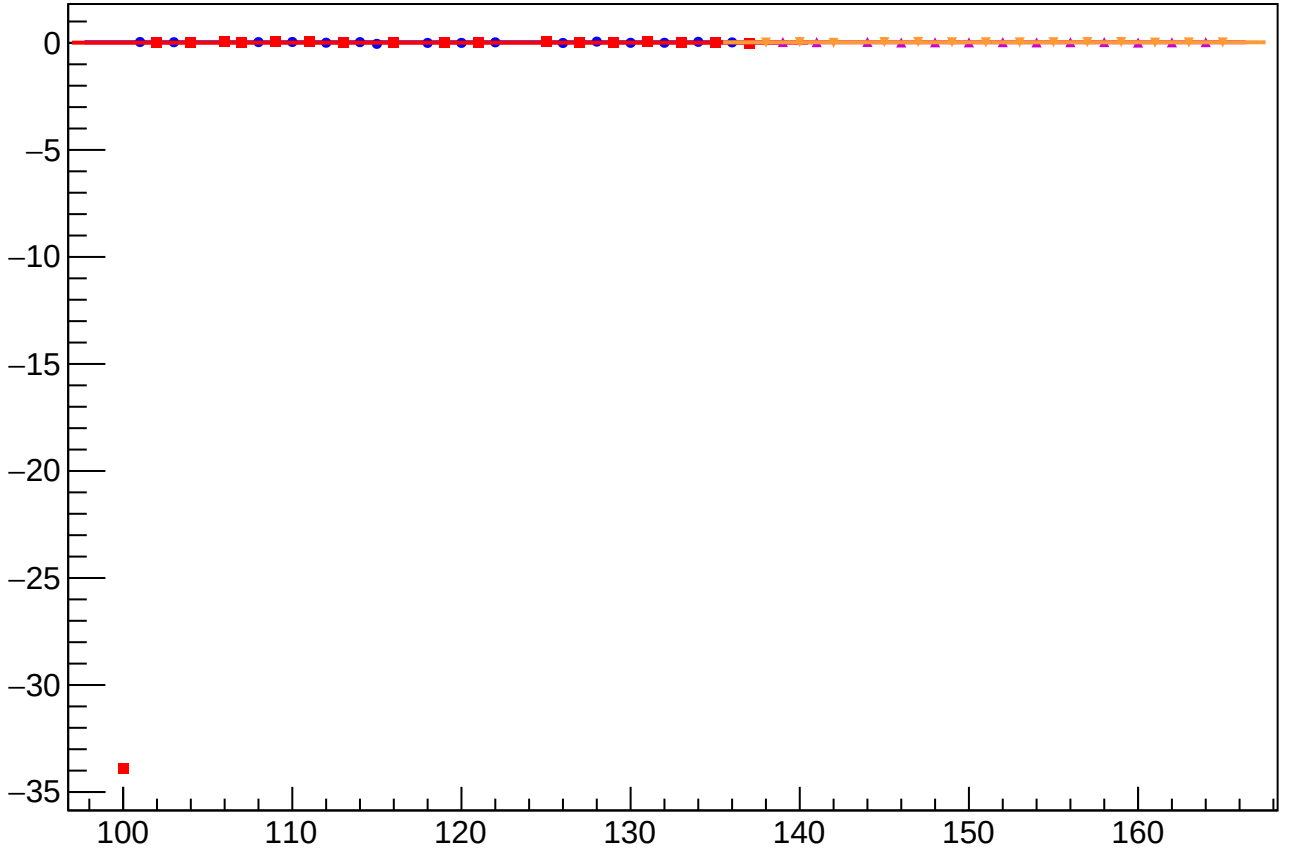
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.124+/-0.051 χ^2/NDF:39.5/28

Out: -0.016+/-0.051 χ^2/NDF:53.8/31

All: 0.054+/-0.036 χ^2/NDF: 97.1/60

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.6/13

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.032+/-0.003 χ^2/NDF:8.7/12

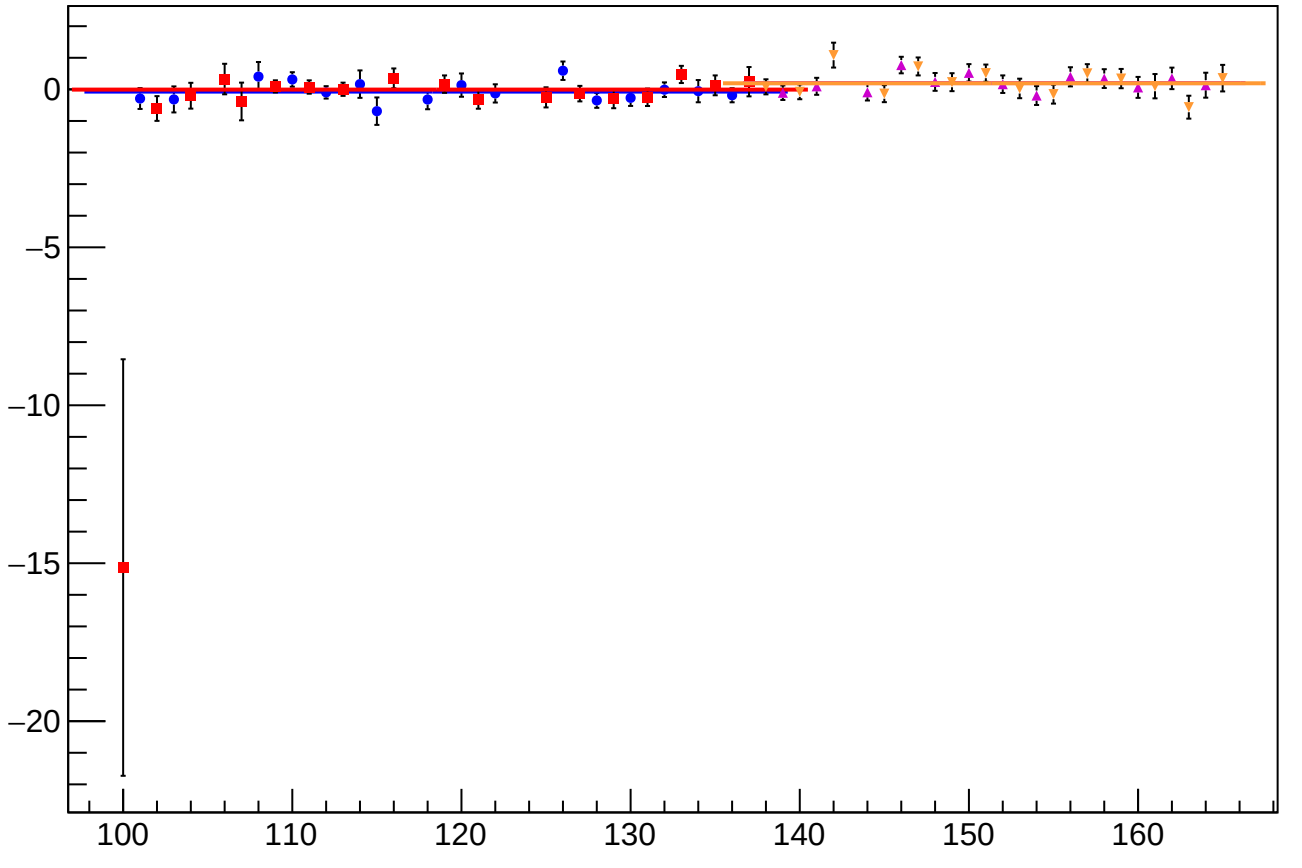
Left: 0.030+/-0.002 χ^2/NDF: 21.3/26

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.002 χ^2/NDF:24.0/28

Out: 0.024+/-0.003 χ^2/NDF:22281.7/31

All: 0.027+/-0.002 χ^2/NDF: 22309.8/60



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.193+/-0.080 χ^2/NDF:20.6/13

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.200+/-0.079 χ^2/NDF:12.1/12

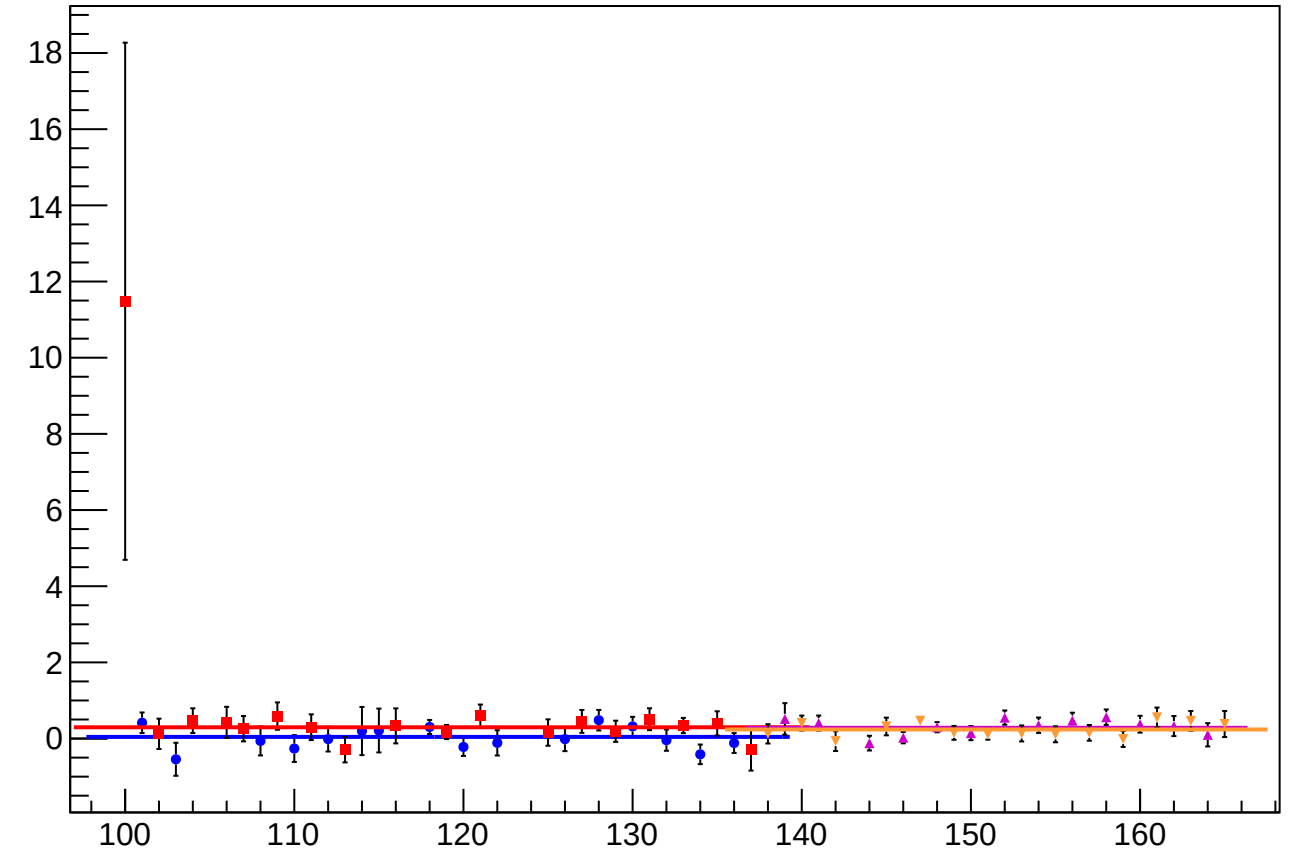
Left: 0.196+/-0.056 χ^2/NDF: 32.7/26

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.050+/-0.053 χ^2/NDF:34.0/28

Out: 0.080+/-0.052 χ^2/NDF:42.3/31

All: 0.065+/-0.037 χ^2/NDF: 76.5/60



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.238+/-0.054 χ^2/NDF:11.2/13

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.282+/-0.055 χ^2/NDF:14.1/12

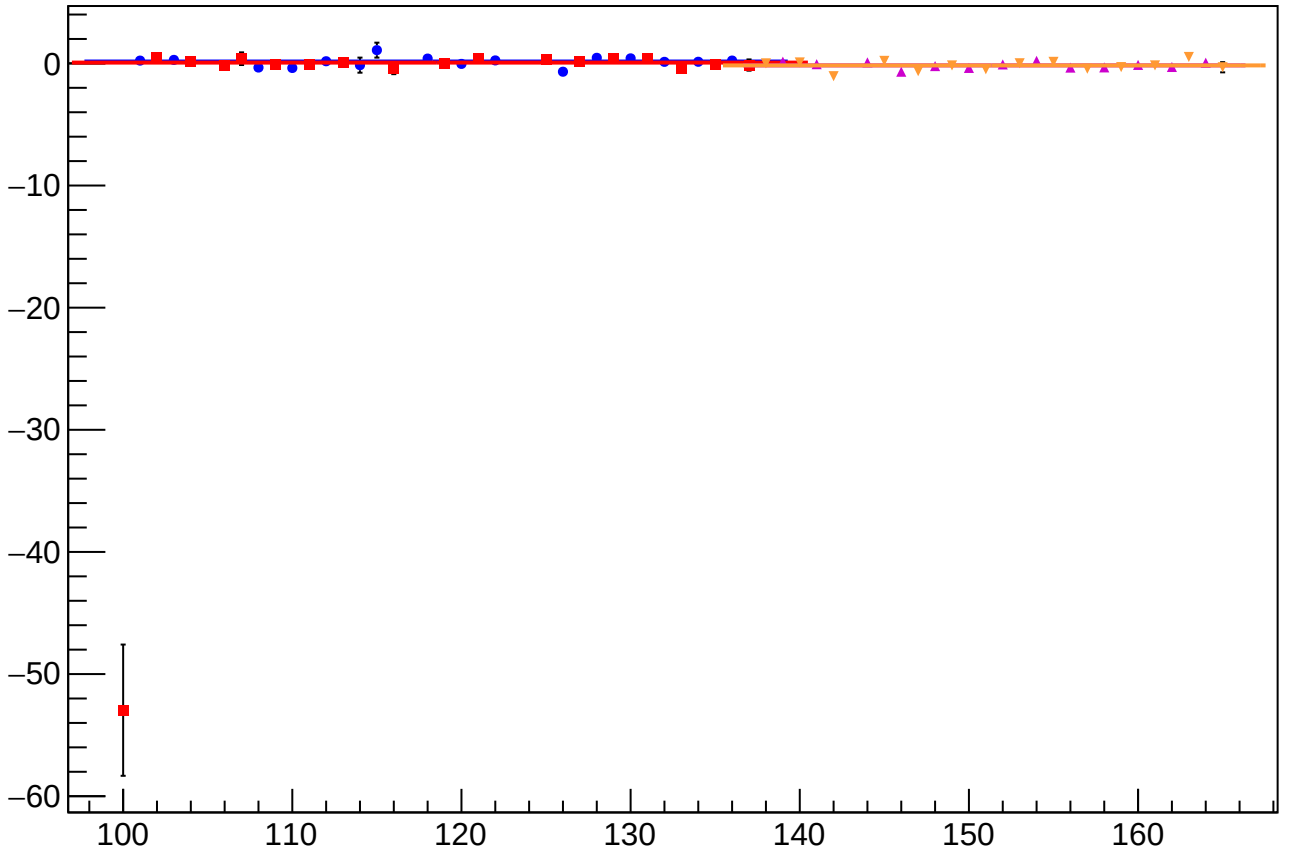
Left: 0.260+/-0.038 χ^2/NDF: 25.6/26

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.197+/-0.044 χ^2/NDF:36.6/28

Out: 0.259+/-0.044 χ^2/NDF:22.6/31

All: 0.228+/-0.031 χ^2/NDF: 60.2/60



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.165+/-0.077 χ^2/NDF:19.5/13

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.162+/-0.077 χ^2/NDF:10.7/12

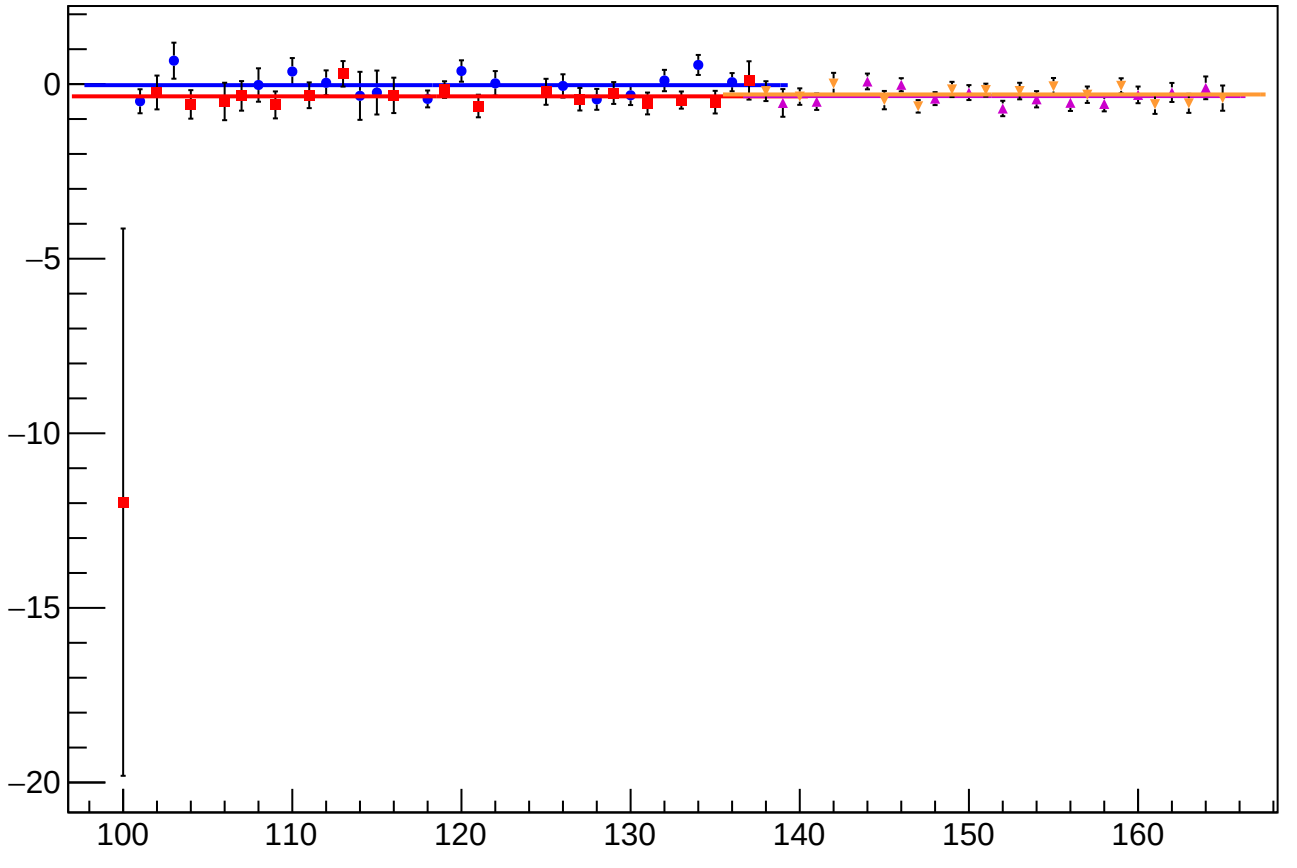
Left: -0.163+/-0.054 χ^2/NDF: 30.2/26

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.010+/-0.055 χ^2/NDF:34.5/28

Out: -0.055+/-0.056 χ^2/NDF:133.0/31

All: -0.032+/-0.039 χ^2/NDF: 167.8/60



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.297+/-0.064 χ^2/NDF:10.4/13

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.343+/-0.064 χ^2/NDF:12.7/12

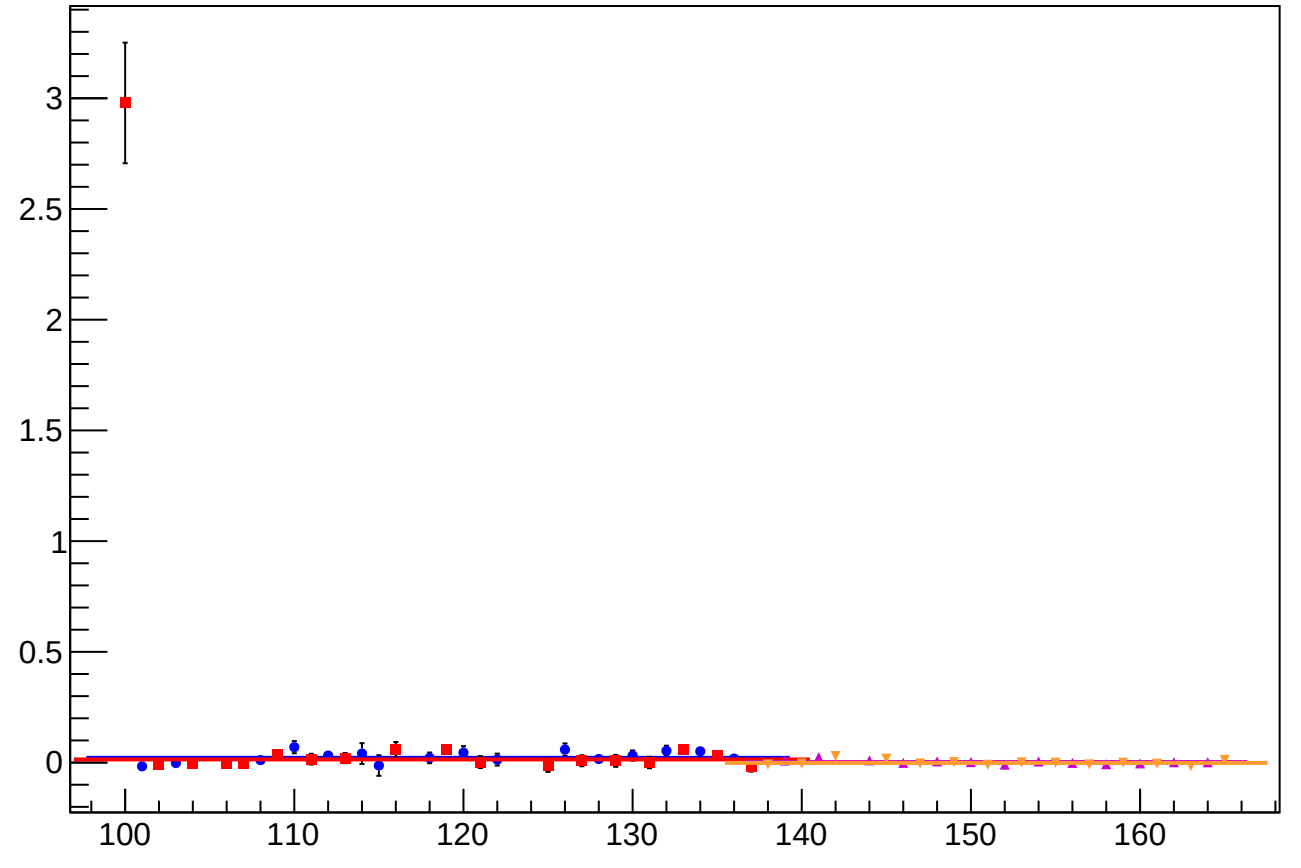
Left: -0.320+/-0.045 χ^2/NDF: 23.4/26

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.227+/-0.051 χ^2/NDF:38.2/28

Out: -0.316+/-0.051 χ^2/NDF:20.1/31

All: -0.272+/-0.036 χ^2/NDF: 59.8/60



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:10.7/13

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:8.2/12

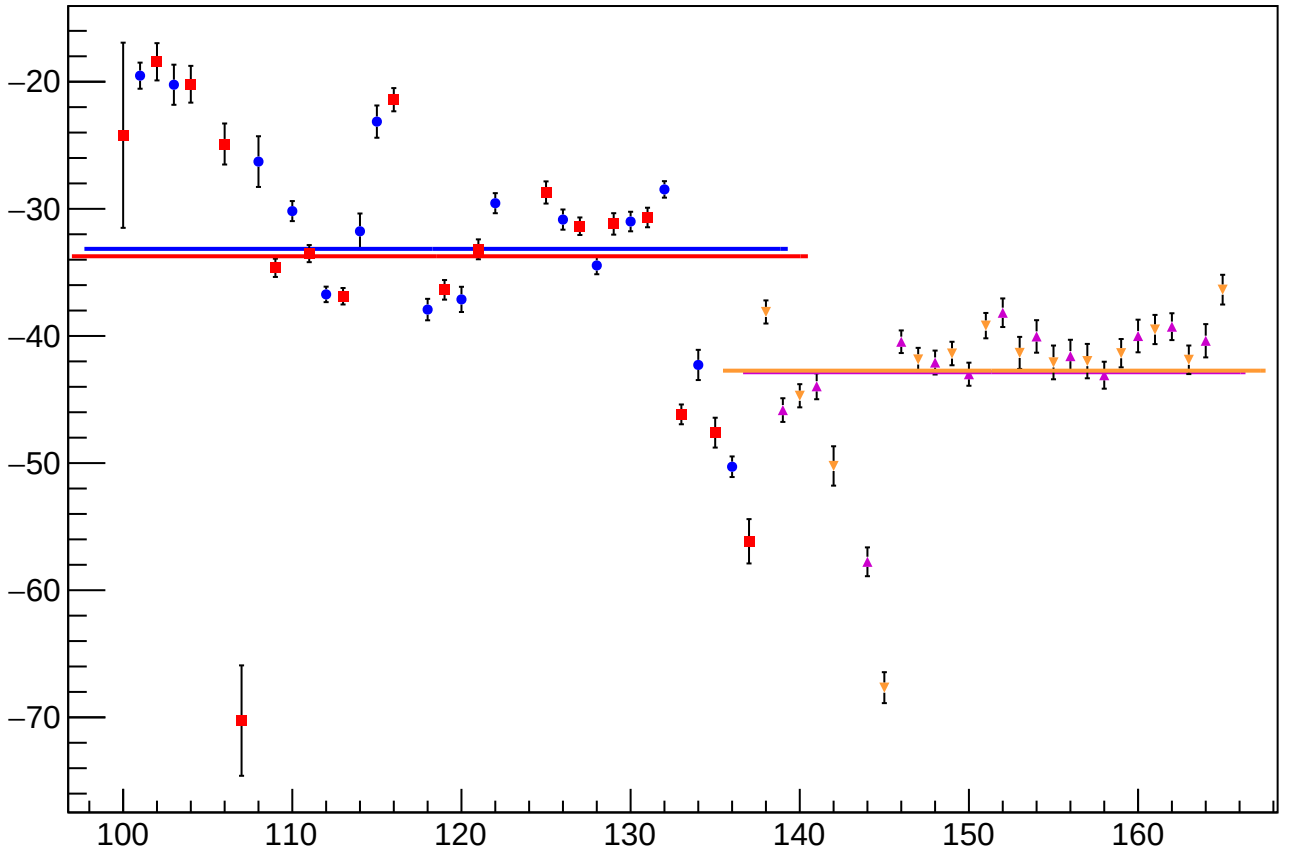
Left: 0.000+/-0.002 χ^2/NDF: 19.8/26

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:42.0/28

Out: 0.003+/-0.003 χ^2/NDF:159.0/31

All: 0.005+/-0.002 χ^2/NDF: 202.9/60



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -42.729+/-0.292 χ^2/NDF:530.5/13

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -42.854+/-0.295 χ^2/NDF:235.5/12

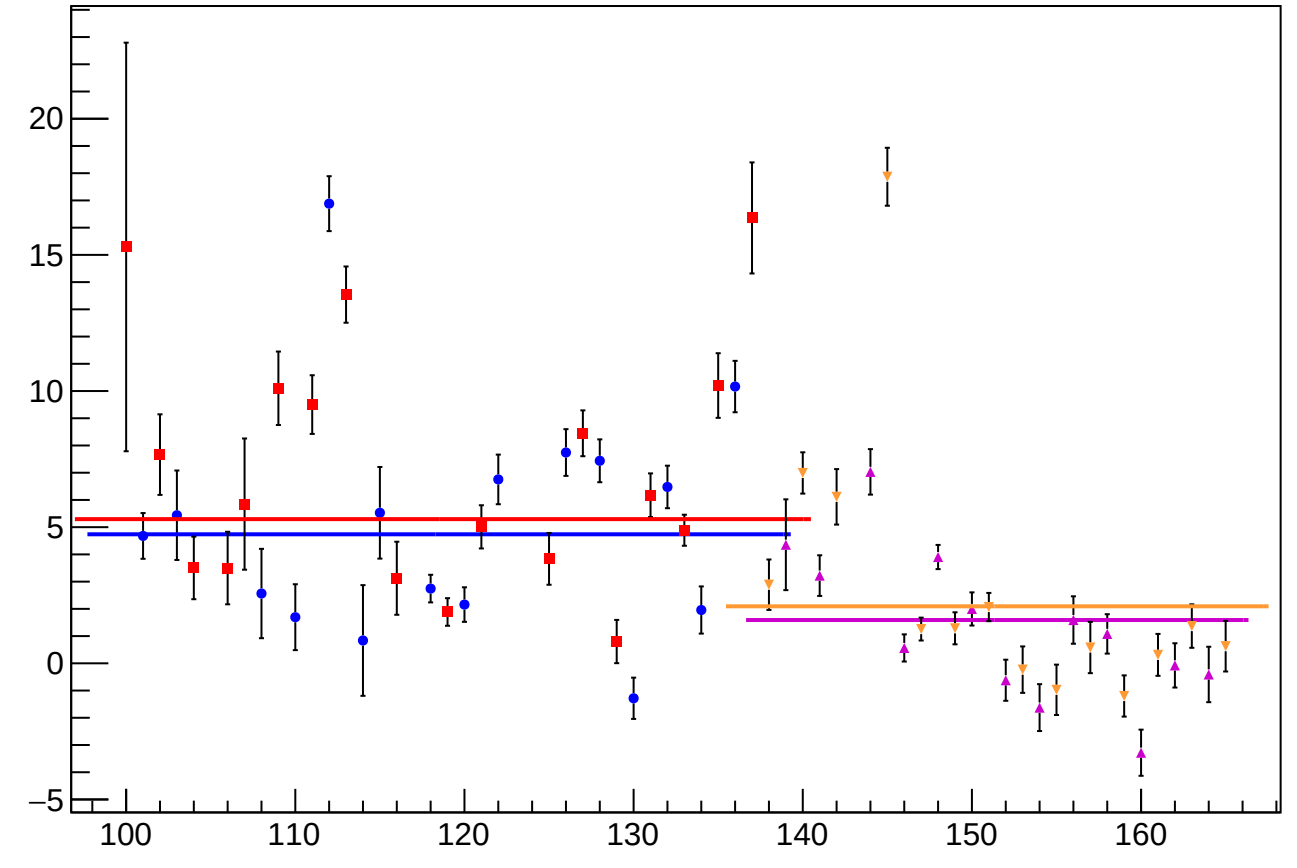
Left: -42.791+/-0.208 χ^2/NDF: 766.2/26

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.574+/-0.175 χ^2/NDF:1949.4/28

Out: -36.888+/-0.173 χ^2/NDF:2294.5/31

All: -36.733+/-0.123 χ^2/NDF: 4245.6/60



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.093+/-0.193 χ^2/NDF:332.3/13

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.590+/-0.198 χ^2/NDF:146.0/12

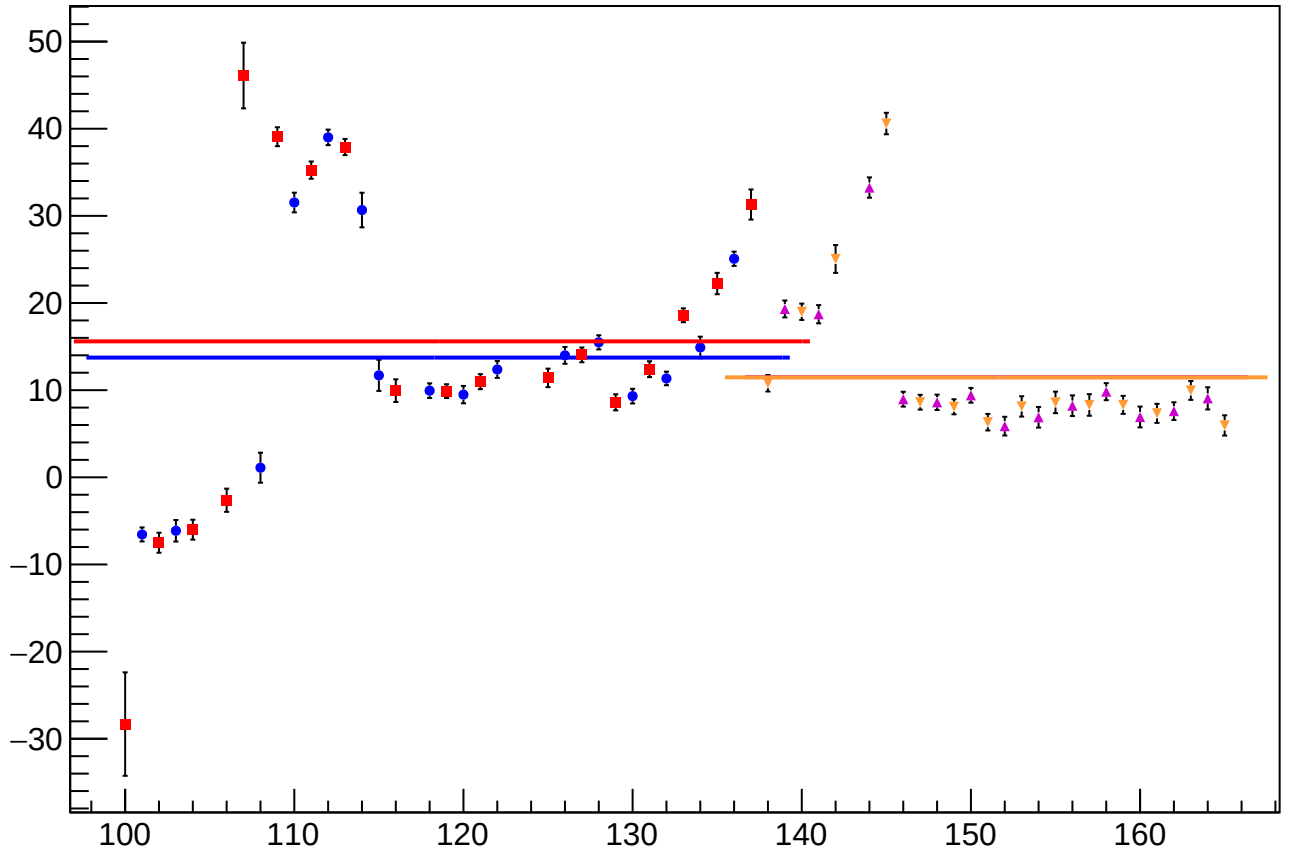
Left: 1.848+/-0.138 χ^2/NDF: 481.6/26

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.002+/-0.147 χ^2/NDF:589.3/28

Out: 3.462+/-0.146 χ^2/NDF:695.0/31

All: 3.233+/-0.104 χ^2/NDF: 1289.2/60



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.468+/-0.282 χ^2/NDF:820.0/13

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 11.495+/-0.284 χ^2/NDF:571.7/12

Left: 11.481+/-0.200 χ^2/NDF: 1391.7/26

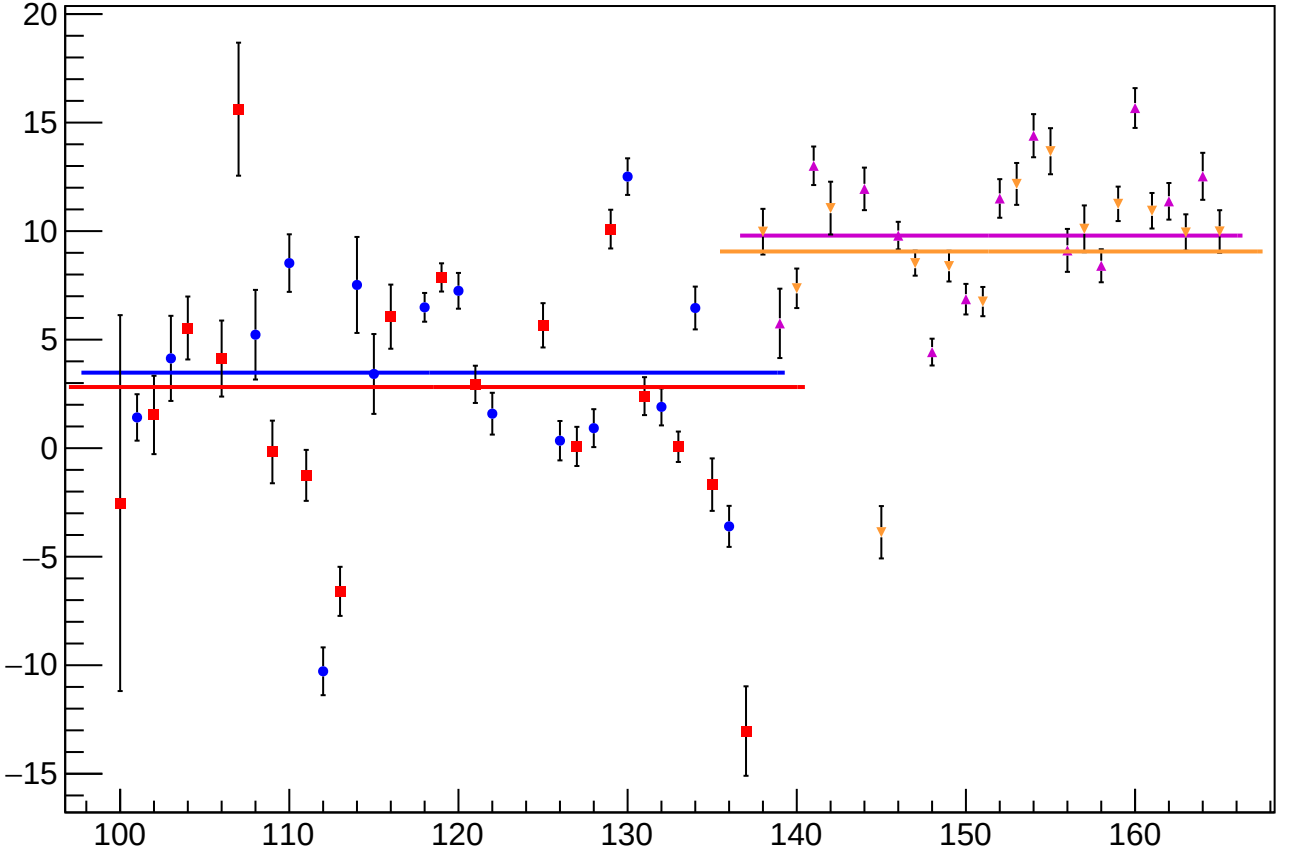
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.773+/-0.186 χ^2/NDF:2957.1/28

Out: 13.784+/-0.187 χ^2/NDF:3766.3/31

All: 13.276+/-0.132 χ^2/NDF: 6738.0/60

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.062+/-0.229 χ^2/NDF:180.6/13

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.794+/-0.234 χ^2/NDF:197.1/12

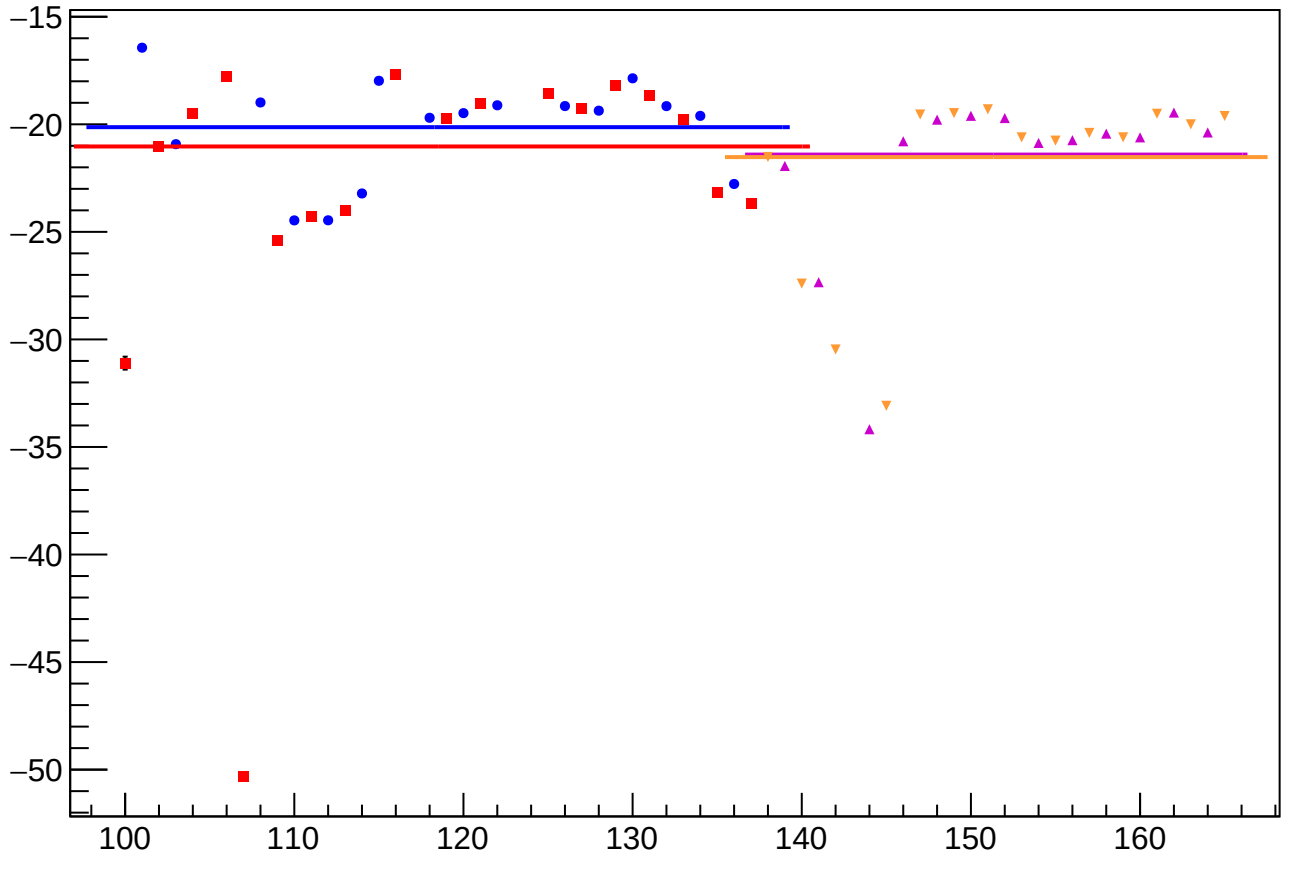
Left: 9.421+/-0.164 χ^2/NDF: 382.7/26

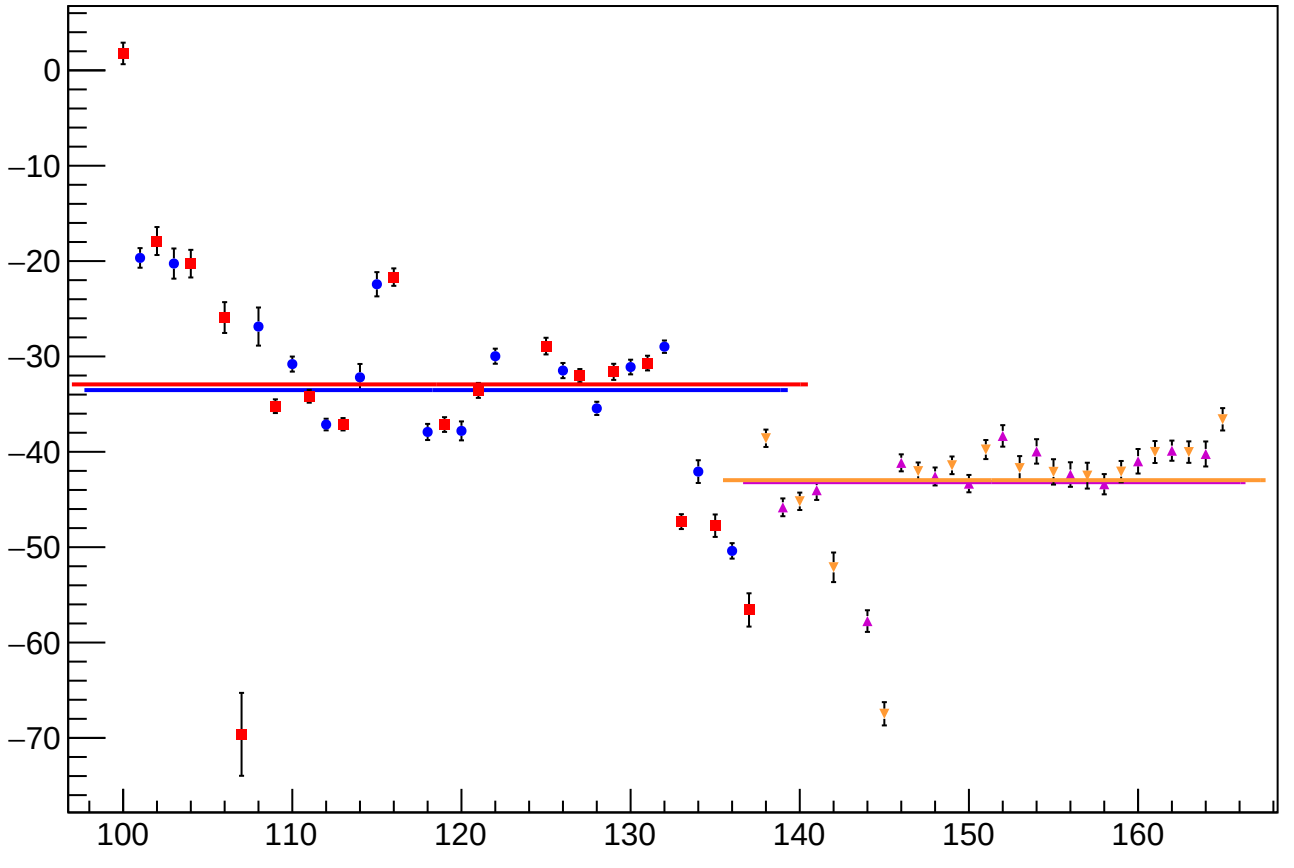
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

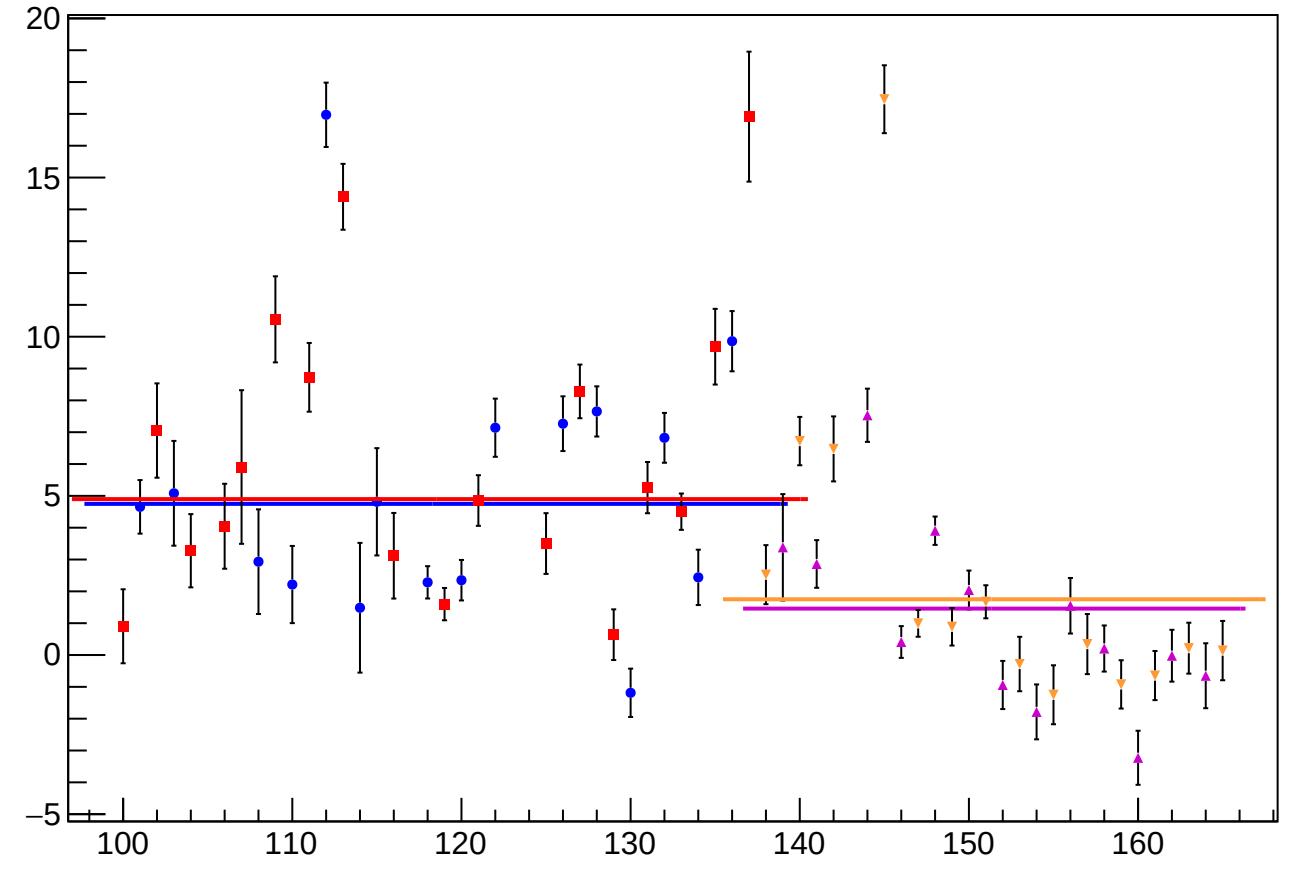
In: 6.894+/-0.172 χ^2/NDF:959.8/28

Out: 6.301+/-0.171 χ^2/NDF:854.6/31

All: 6.596+/-0.121 χ^2/NDF: 1820.4/60


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
160
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -21.524+/-0.011 χ²/NDF:113020.6/13
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -21.408+/-0.011 χ²/NDF:90596.7/12
Left: -21.466+/-0.008 χ²/NDF: 203675.4/26
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.012+/-0.009 χ²/NDF:114798.9/28
Out: -21.375+/-0.009 χ²/NDF:171172.7/31
All: -21.192+/-0.006 χ²/NDF: 286789.6/60


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -42.974+/-0.293 χ²/NDF:526.4/13
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.183+/-0.296 χ²/NDF:221.9/12
Left: -43.078+/-0.208 χ²/NDF: 748.5/26
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.938+/-0.176 χ²/NDF:1920.5/28
Out: -36.377+/-0.171 χ²/NDF:3469.5/31
All: -36.651+/-0.123 χ²/NDF: 5395.2/60



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.751+/-0.193 χ^2/NDF:334.4/13

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.459+/-0.198 χ^2/NDF:158.5/12

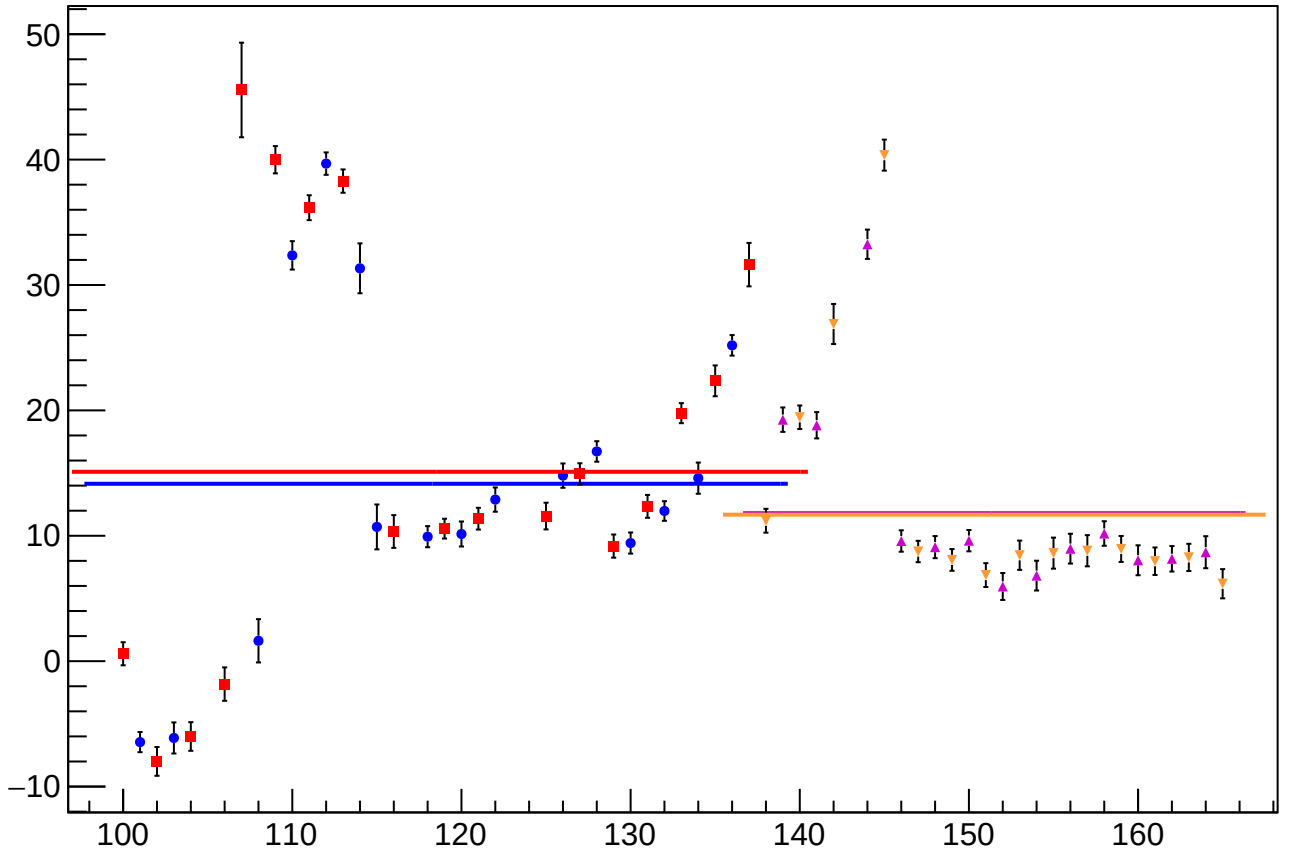
Left: 1.609+/-0.138 χ^2/NDF: 494.0/26

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.934+/-0.147 χ^2/NDF:607.9/28

Out: 3.123+/-0.145 χ^2/NDF:723.0/31

All: 3.029+/-0.103 χ^2/NDF: 1331.7/60



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.684+/-0.283 χ^2/NDF:823.0/13

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 11.805+/-0.285 χ^2/NDF:547.0/12

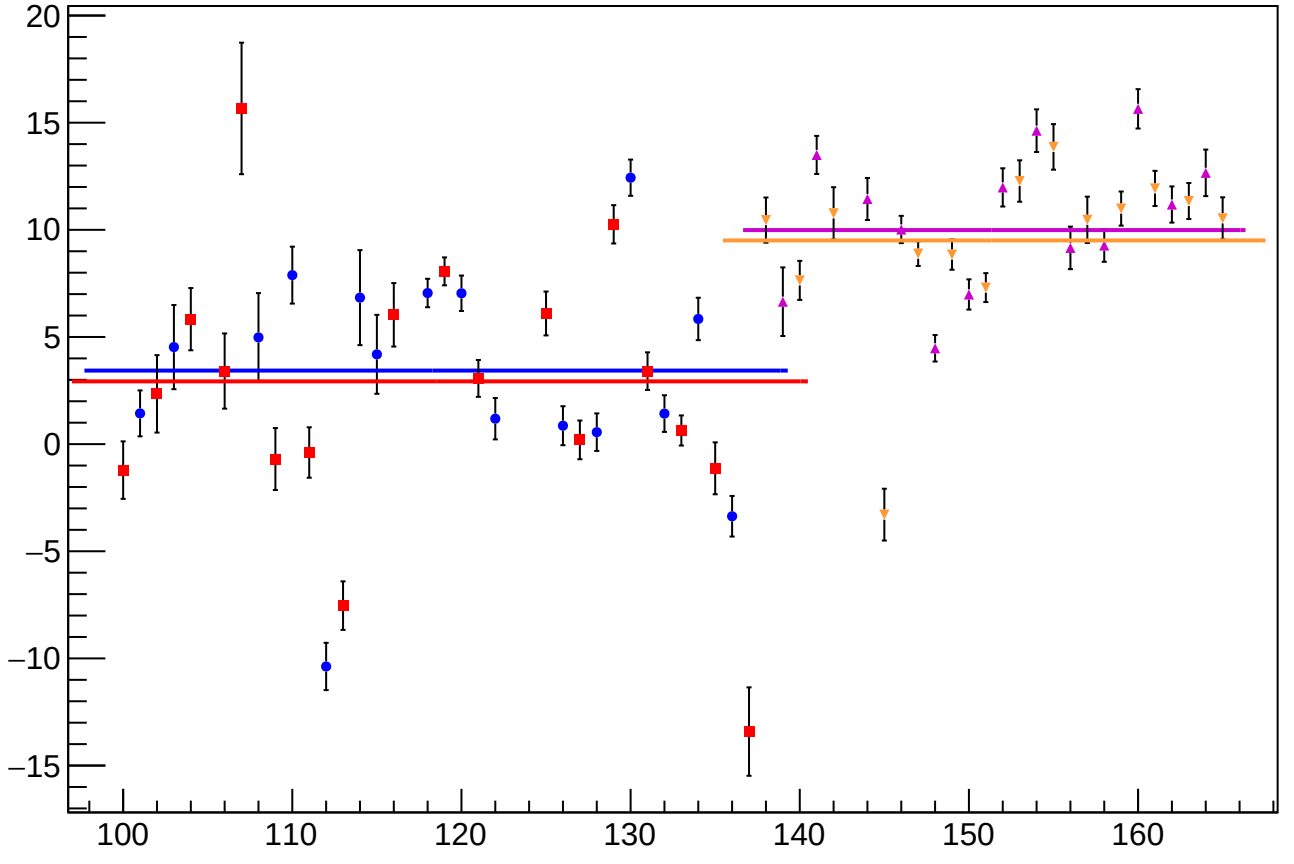
Left: 11.744+/-0.201 χ^2/NDF: 1370.1/26

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.141+/-0.187 χ^2/NDF:2988.1/28

Out: 13.659+/-0.184 χ^2/NDF:4009.6/31

All: 13.404+/-0.131 χ^2/NDF: 7001.6/60



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.505+/-0.229 χ^2/NDF:174.7/13

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.988+/-0.234 χ^2/NDF:194.0/12

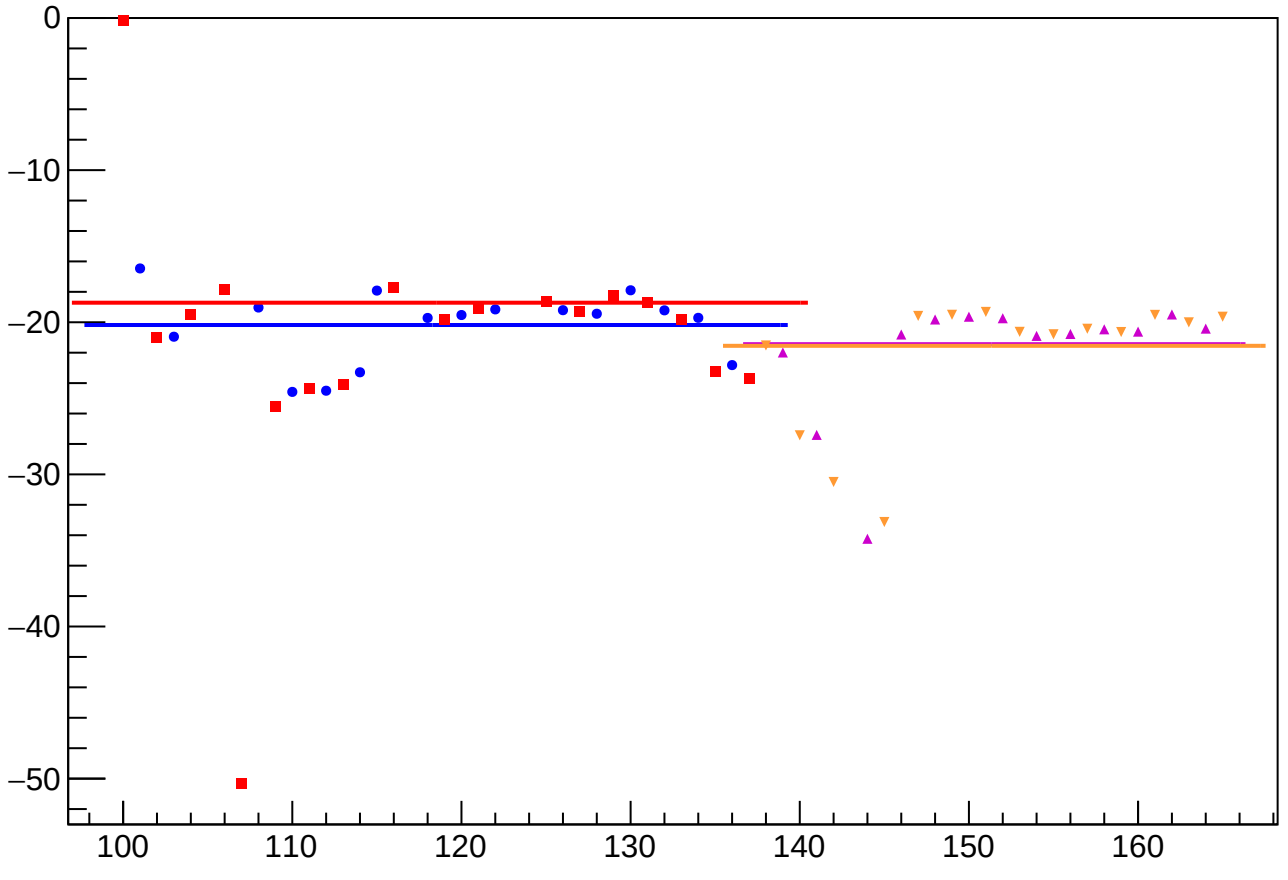
Left: 9.741+/-0.164 χ^2/NDF: 370.9/26

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 6.978+/-0.172 χ^2/NDF:977.8/28

Out: 6.541+/-0.170 χ^2/NDF:912.6/31

All: 6.756+/-0.121 χ^2/NDF: 1893.6/60



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.548+/-0.011 χ^2/NDF:112851.8/13

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.441+/-0.011 χ^2/NDF:90766.2/12

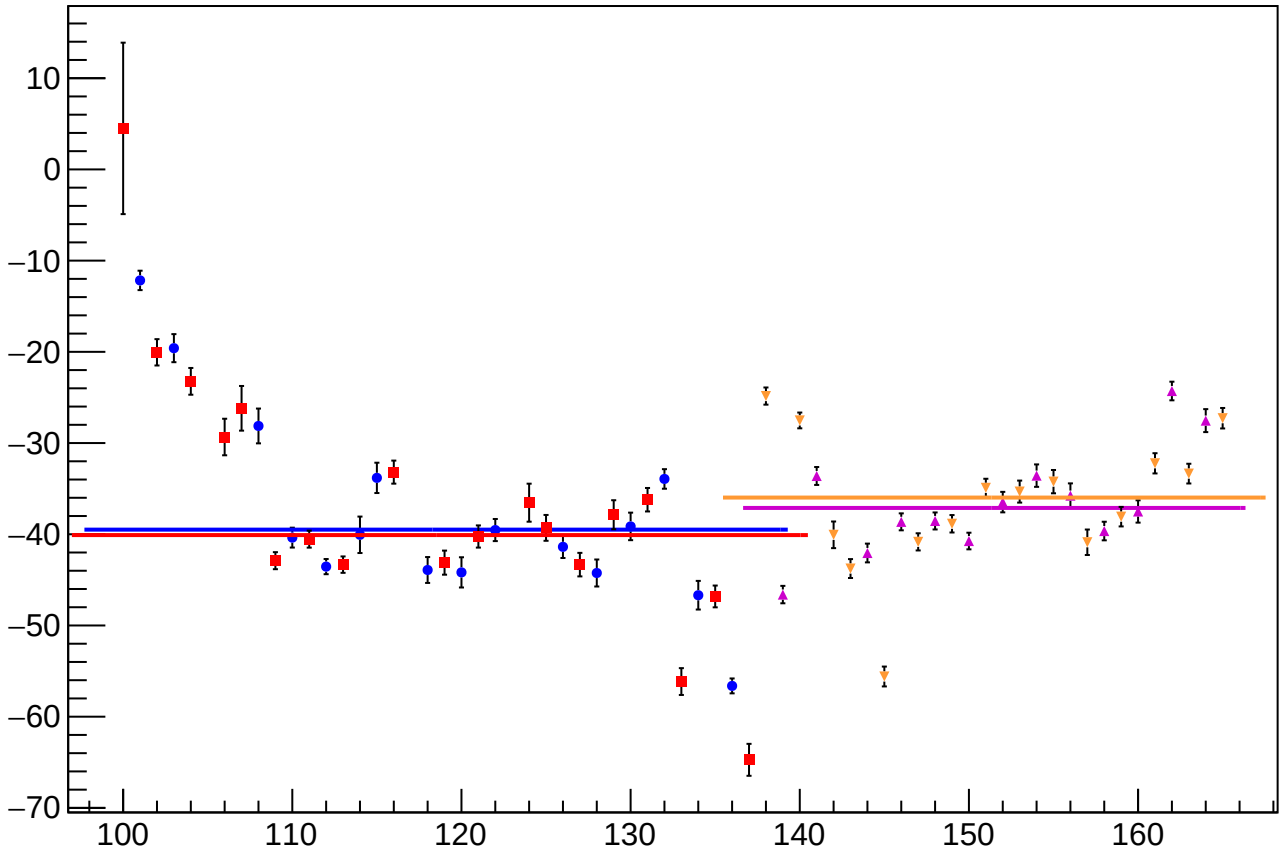
Left: -21.494+/-0.008 χ^2/NDF: 203667.4/26

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.050+/-0.009 χ^2/NDF:114879.1/28

Out: -20.625+/-0.009 χ^2/NDF:369871.2/31

All: -20.836+/-0.006 χ^2/NDF: 485888.8/60



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -35.977+/-0.276 χ^2/NDF:757.0/14

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -37.114+/-0.291 χ^2/NDF:386.9/12

Left: -36.516+/-0.200 χ^2/NDF: 1151.9/27

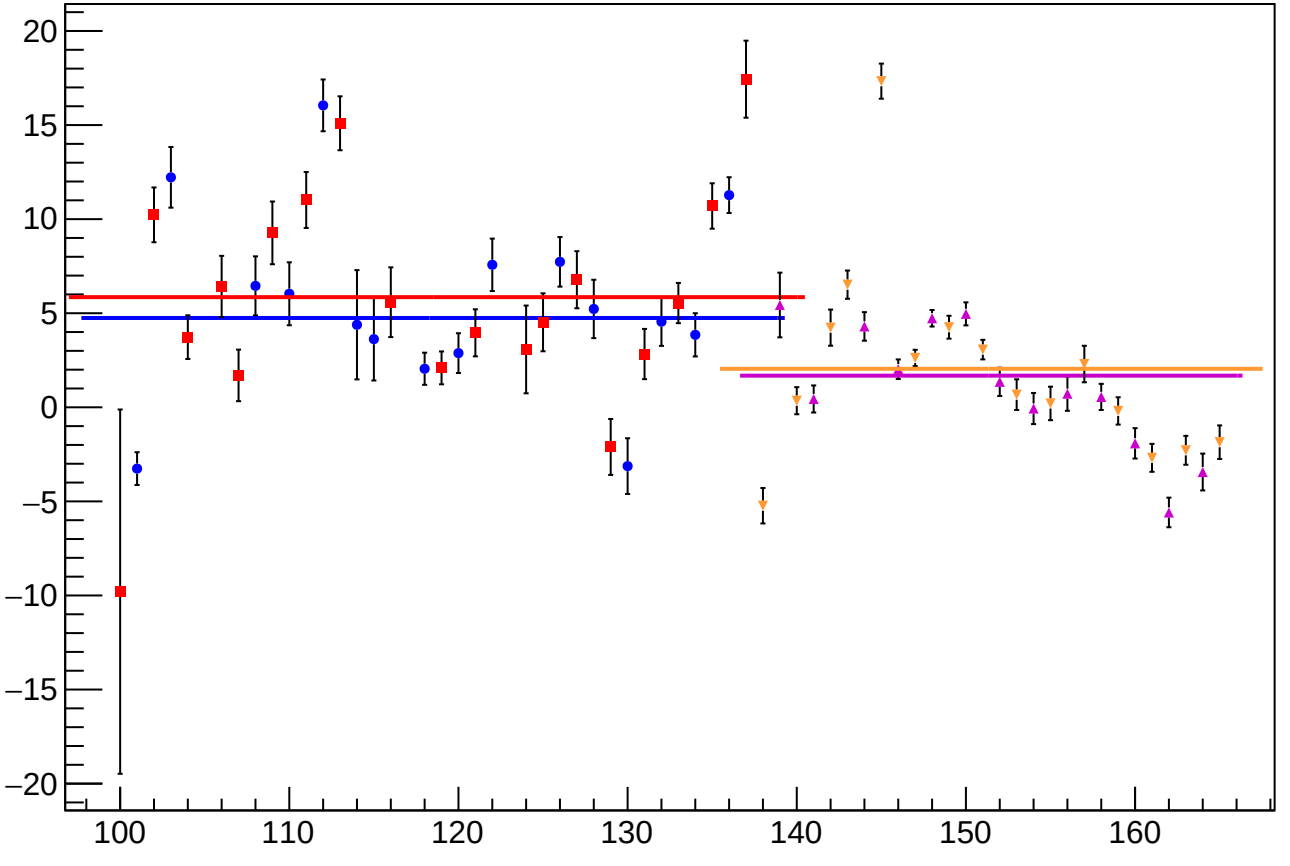
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -38.225+/-0.212 χ^2/NDF:1835.2/28

Out: -37.817+/-0.205 χ^2/NDF:1691.0/33

All: -38.015+/-0.148 χ^2/NDF: 3528.1/62

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.047+/-0.185 χ^2/NDF:501.9/14

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.682+/-0.195 χ^2/NDF:238.1/12

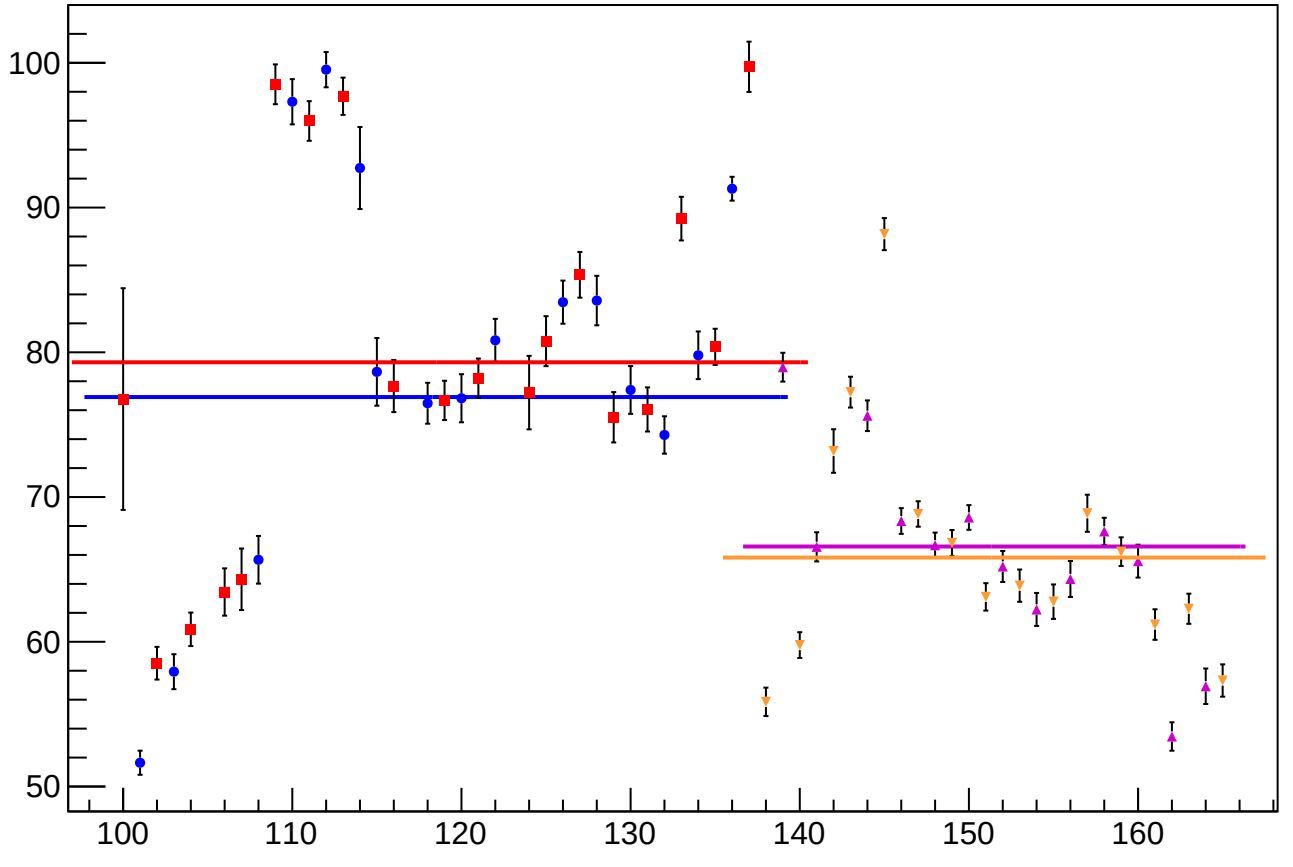
Left: 1.875+/-0.134 χ^2/NDF: 741.8/27

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.529+/-0.166 χ^2/NDF:580.1/28

Out: 2.982+/-0.160 χ^2/NDF:793.7/33

All: 2.763+/-0.115 χ^2/NDF: 1377.6/62



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.819+/-0.269 χ^2/NDF:820.5/14

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 66.583+/-0.280 χ^2/NDF:499.4/12

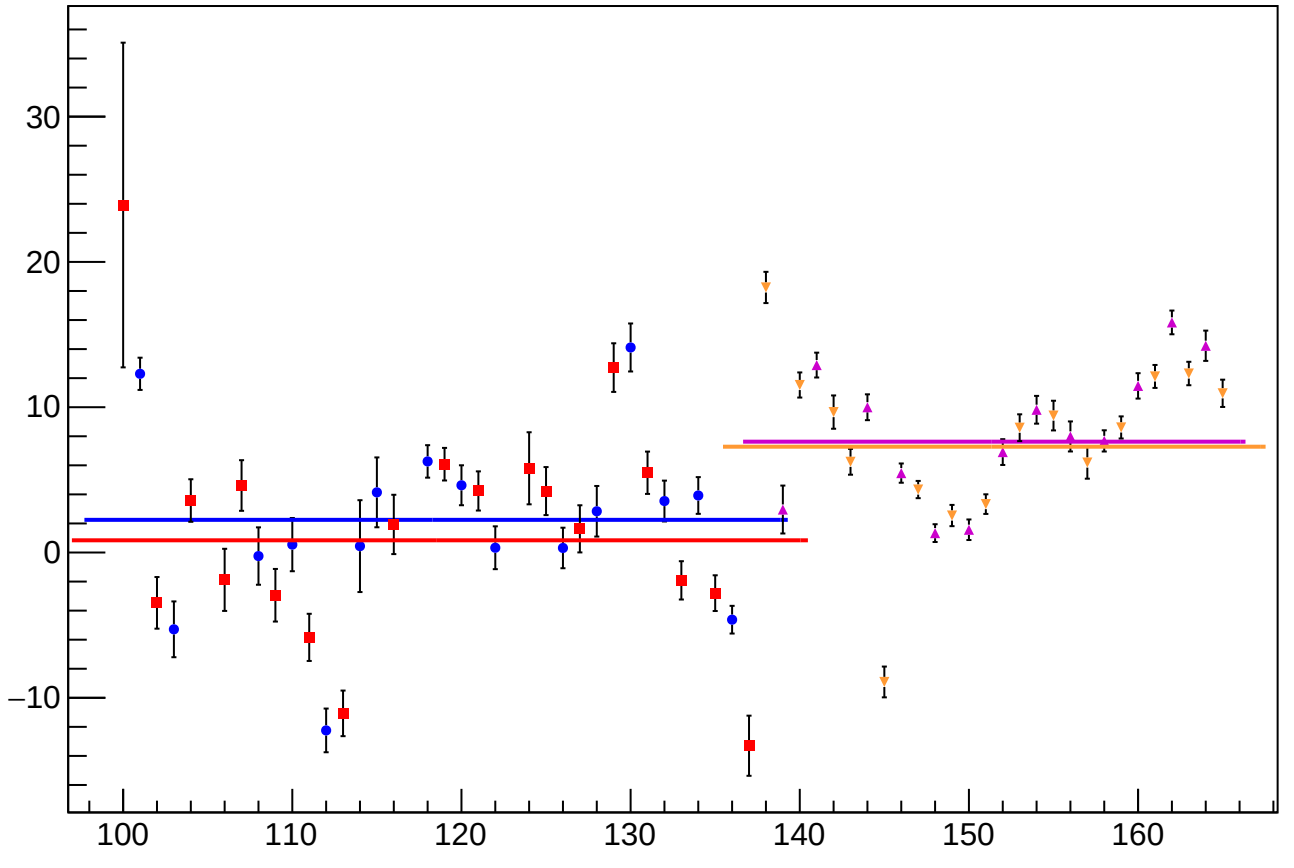
Left: 66.185+/-0.194 χ^2/NDF: 1323.8/27

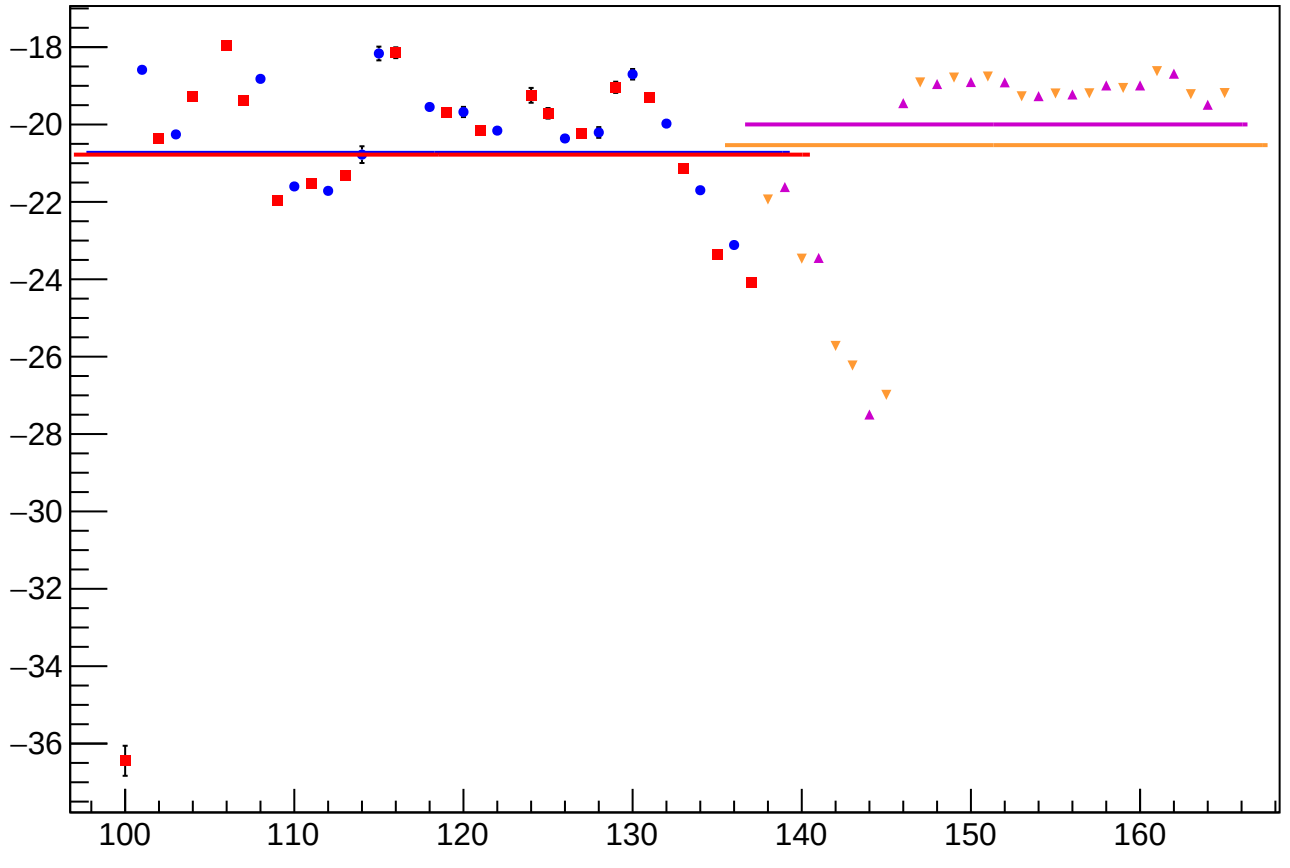
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

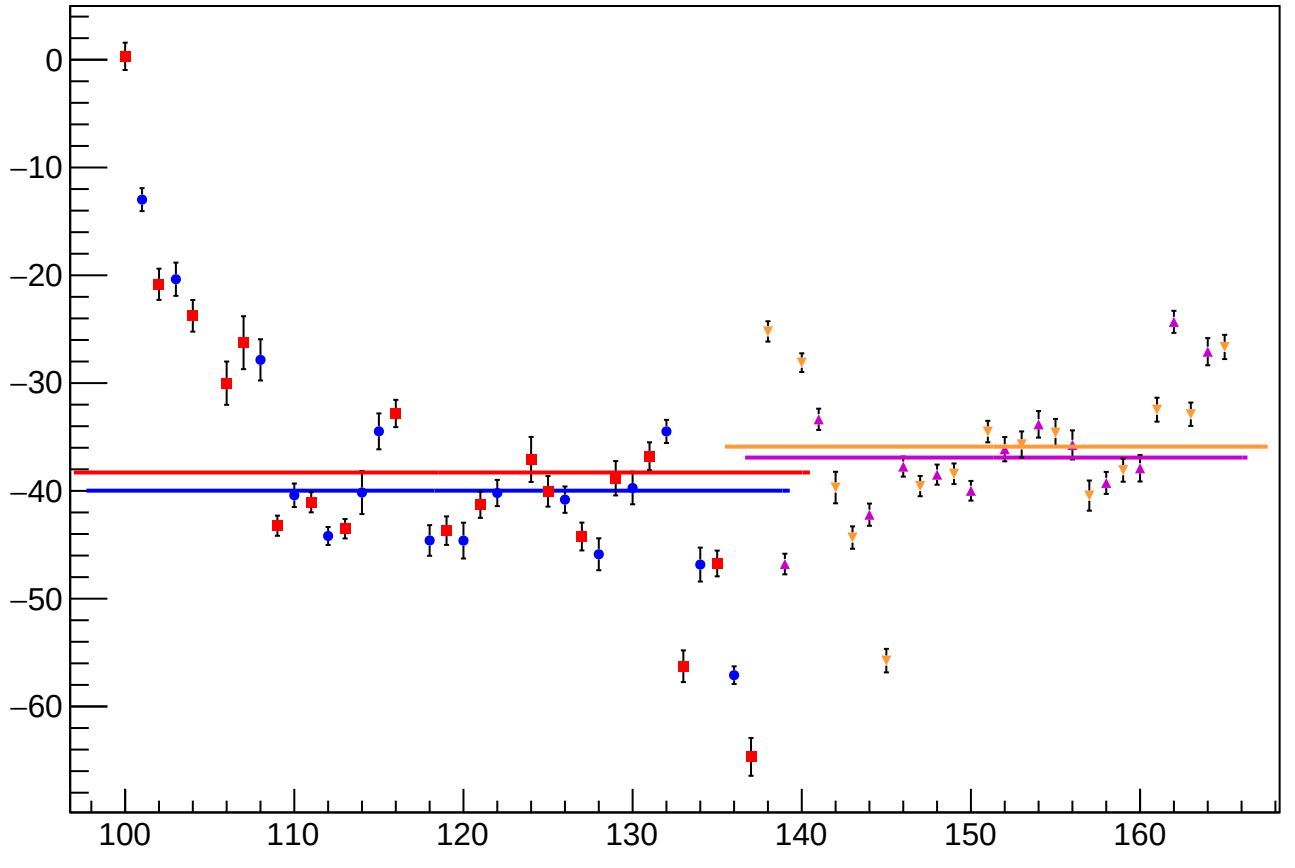
In: 70.805+/-0.215 χ^2/NDF:3170.9/28

Out: 70.857+/-0.213 χ^2/NDF:3259.5/33

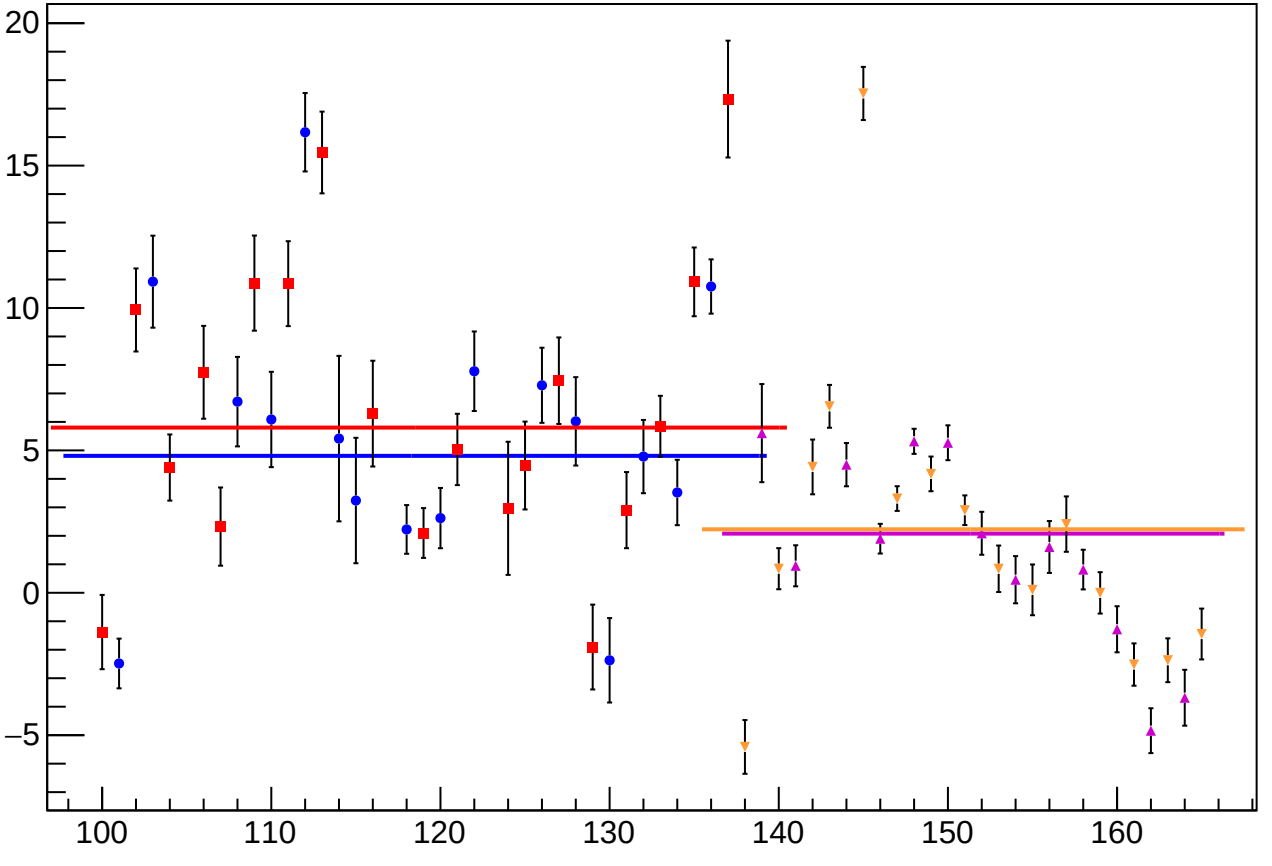
All: 70.832+/-0.151 χ^2/NDF: 6430.4/62


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.282+/-0.218 χ²/NDF:570.4/14
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 7.628+/-0.230 χ²/NDF:409.7/12
Left: 7.446+/-0.158 χ²/NDF: 981.3/27
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.085+/-0.194 χ²/NDF:885.9/28
Out: 5.632+/-0.188 χ²/NDF:1049.6/33
All: 5.851+/-0.135 χ²/NDF: 1938.3/62


reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−18
−20
−22
−24
−26
−28
−30
−32
−34
−36
100
110
120
130
140
150
160
Right In: -20.732+/-0.019 χ²/NDF: 7634.1/15
Left Out: -20.533+/-0.010 χ²/NDF:68206.4/14
Right Out: -20.778+/-0.020 χ²/NDF: 9426.6/18
Left In: -19.998+/-0.011 χ²/NDF:40684.4/12
Left: -20.273+/-0.007 χ²/NDF: 110198.0/27
Right: -20.755+/-0.014 χ²/NDF: 17063.4/34
In: -20.167+/-0.009 χ²/NDF:49419.7/28
Out: -20.584+/-0.009 χ²/NDF:77750.2/33
All: -20.378+/-0.007 χ²/NDF: 128186.4/62


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -35.895+/-0.277 χ²/NDF:738.4/14
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -36.910+/-0.291 χ²/NDF:386.7/12
Left: -36.376+/-0.201 χ²/NDF: 1131.5/27
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -38.344+/-0.213 χ²/NDF:1837.0/28
Out: -37.002+/-0.203 χ²/NDF:2546.8/33
All: -37.643+/-0.147 χ²/NDF: 4404.6/62

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: 2.229+/-0.185 χ^2/NDF:505.8/14

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 2.077+/-0.196 χ^2/NDF:234.5/12

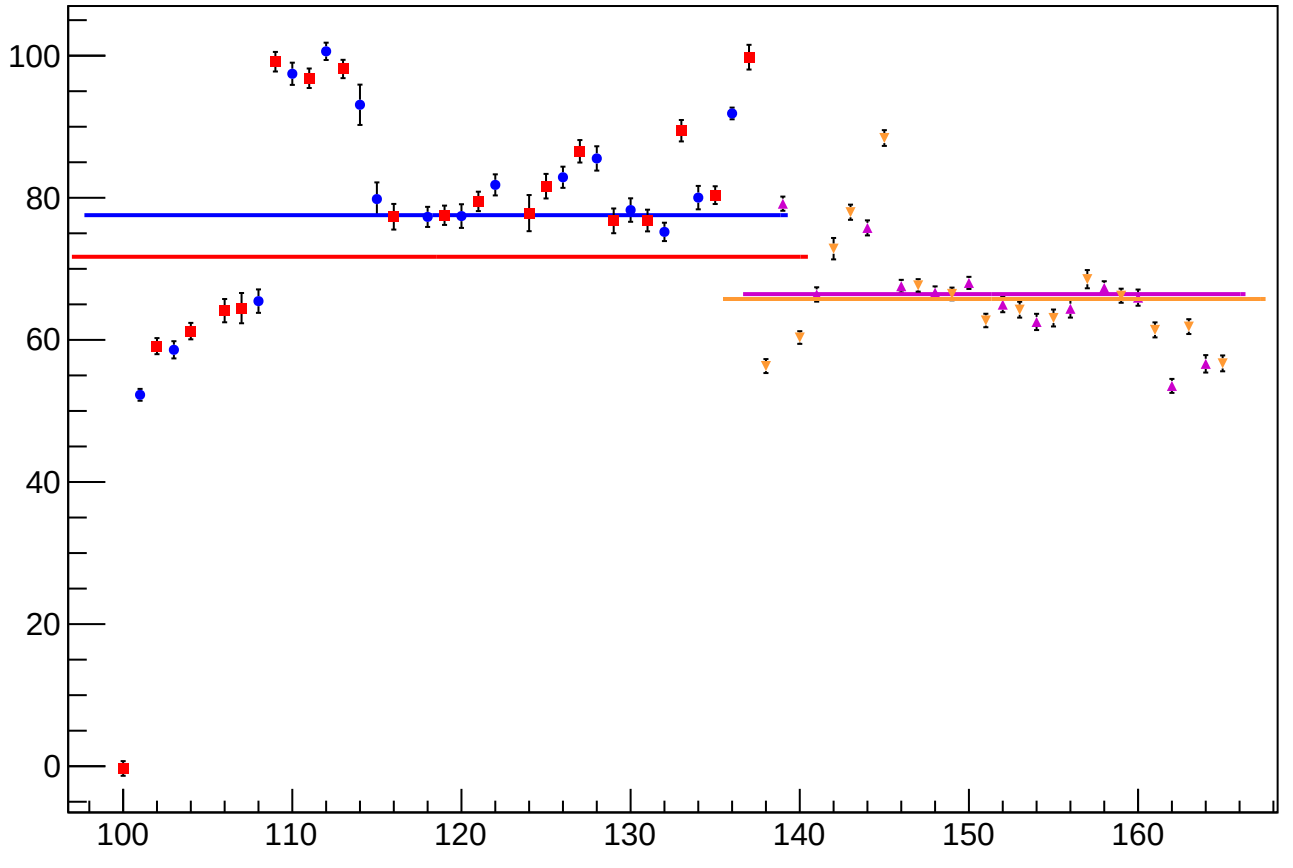
Left: 2.157+/-0.134 χ^2/NDF: 740.6/27

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 2.832+/-0.166 χ^2/NDF:528.9/28

Out: 3.145+/-0.160 χ^2/NDF:817.8/33

All: 2.995+/-0.115 χ^2/NDF: 1348.6/62



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 65.756+/-0.269 χ^2/NDF:822.9/14

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 66.443+/-0.281 χ^2/NDF:499.0/12

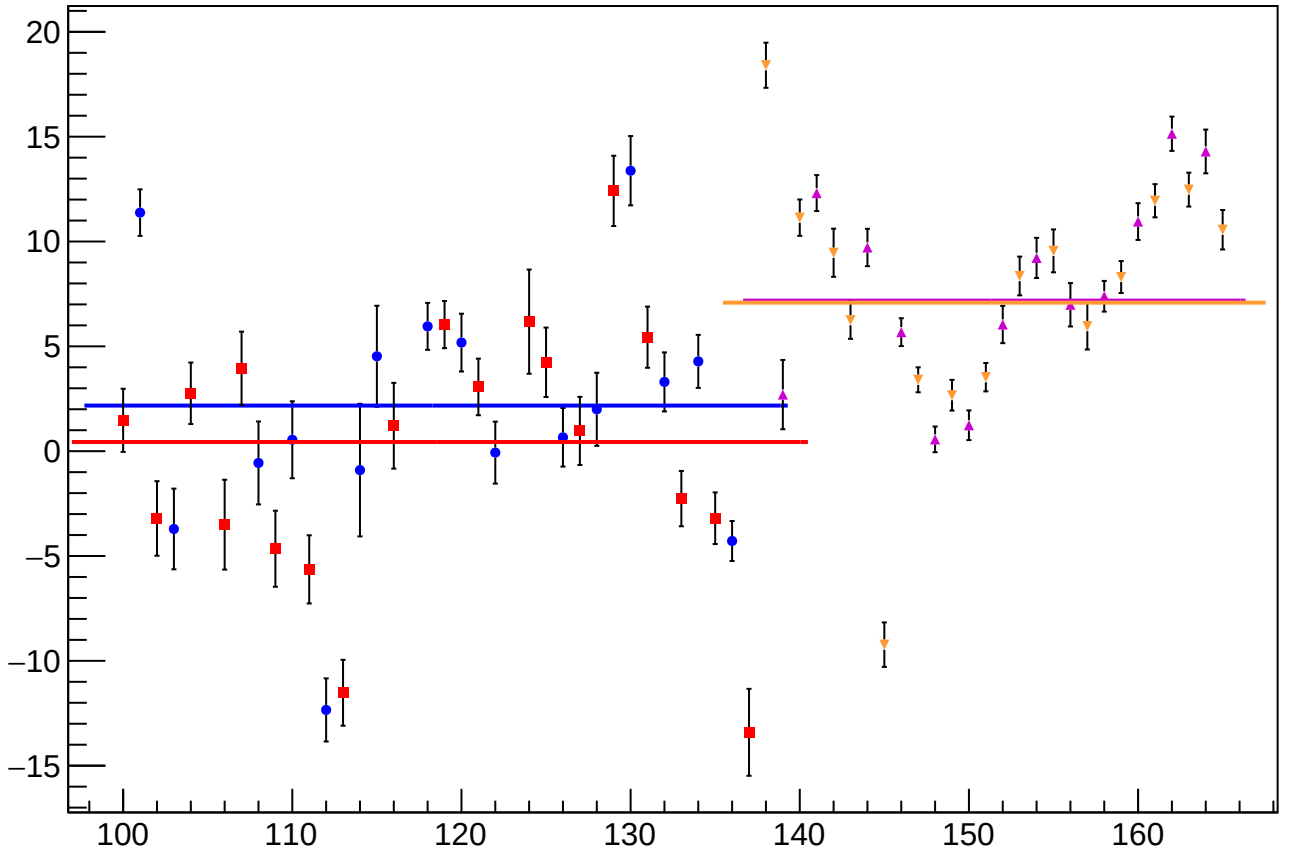
Left: 66.085+/-0.194 χ^2/NDF: 1325.0/27

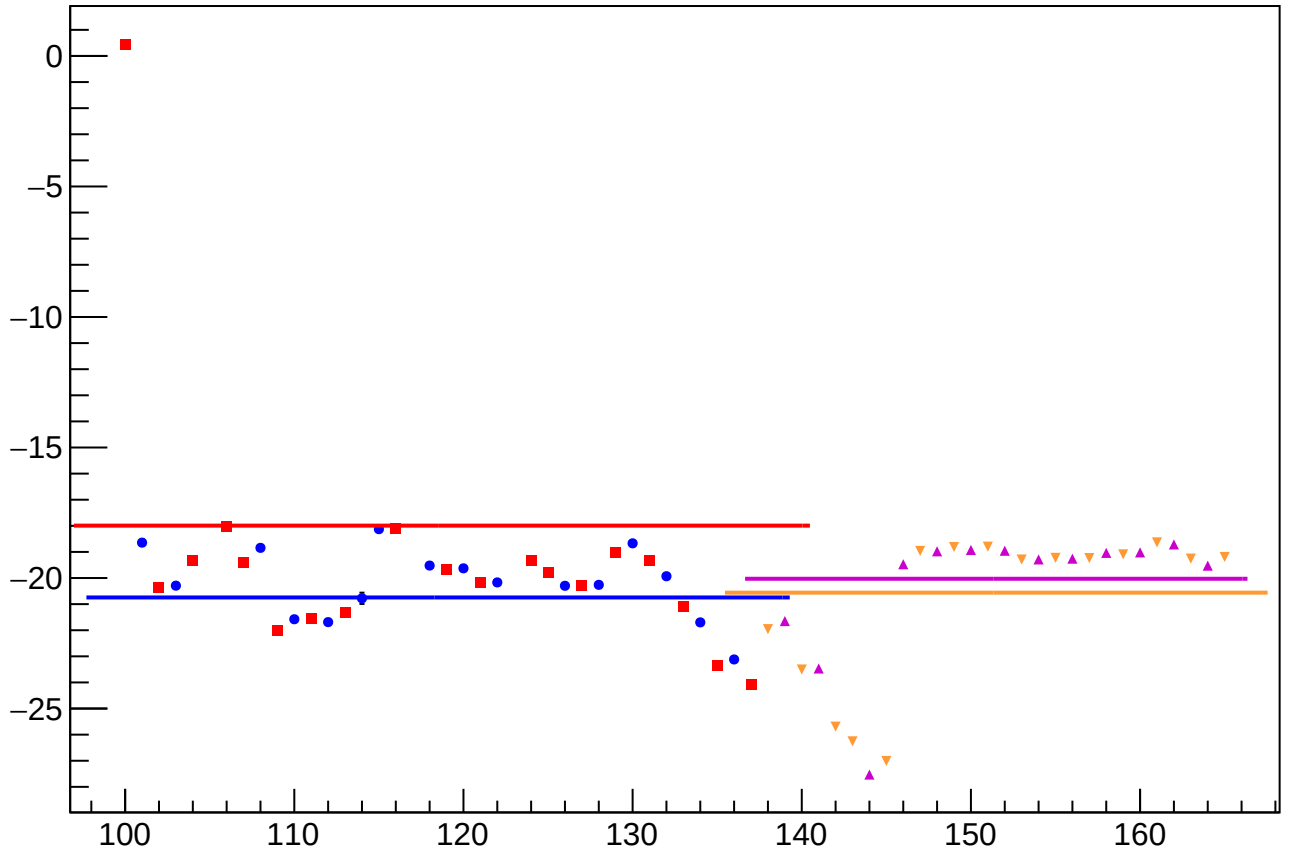
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

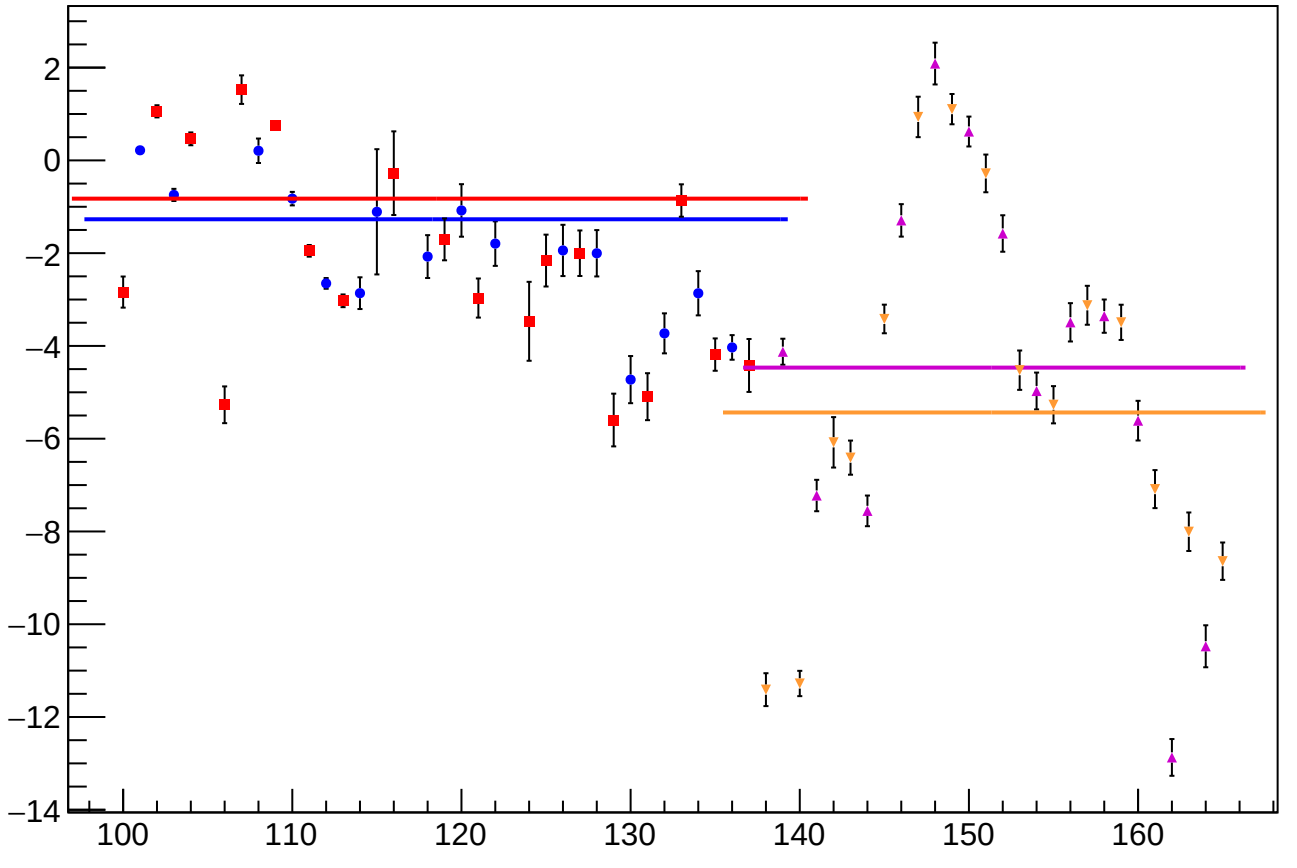
In: 70.988+/-0.216 χ^2/NDF:3258.2/28

Out: 68.125+/-0.209 χ^2/NDF:7920.9/33

All: 69.508+/-0.150 χ^2/NDF: 11270.0/62


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.085+/-0.219 χ²/NDF:583.6/14
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.181+/-0.231 χ²/NDF:409.5/12
Left: 7.131+/-0.159 χ²/NDF: 993.2/27
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 5.744+/-0.195 χ²/NDF:835.0/28
Out: 5.307+/-0.187 χ²/NDF:1084.8/33
All: 5.517+/-0.135 χ²/NDF: 1922.4/62


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.560+/-0.010 χ²/NDF:67766.3/14
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -20.029+/-0.011 χ²/NDF:40509.0/12
Left: -20.302+/-0.007 χ²/NDF: 109563.8/27
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.193+/-0.009 χ²/NDF:49066.1/28
Out: -19.969+/-0.009 χ²/NDF:232582.7/33
All: -20.078+/-0.006 χ²/NDF: 281945.4/62



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.435+/-0.097 χ^2/NDF:1749.2/14

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -4.468+/-0.102 χ^2/NDF:1402.6/12

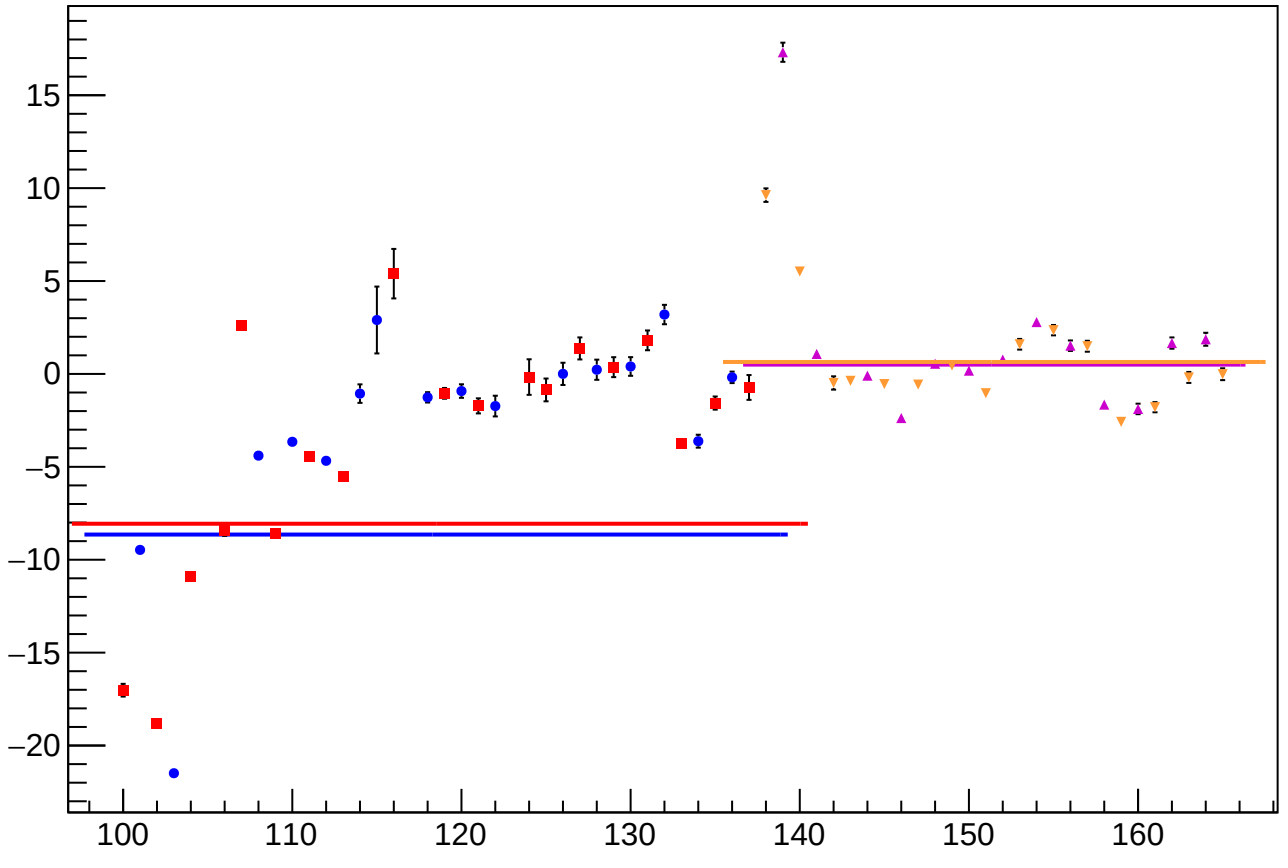
Left: -4.973+/-0.070 χ^2/NDF: 3199.0/27

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.982+/-0.048 χ^2/NDF:2785.6/28

Out: -1.820+/-0.045 χ^2/NDF:4894.3/33

All: -1.896+/-0.033 χ^2/NDF: 7685.9/62



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.644+/-0.068 χ^2/NDF:1499.2/14

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.501+/-0.073 χ^2/NDF:1526.2/12

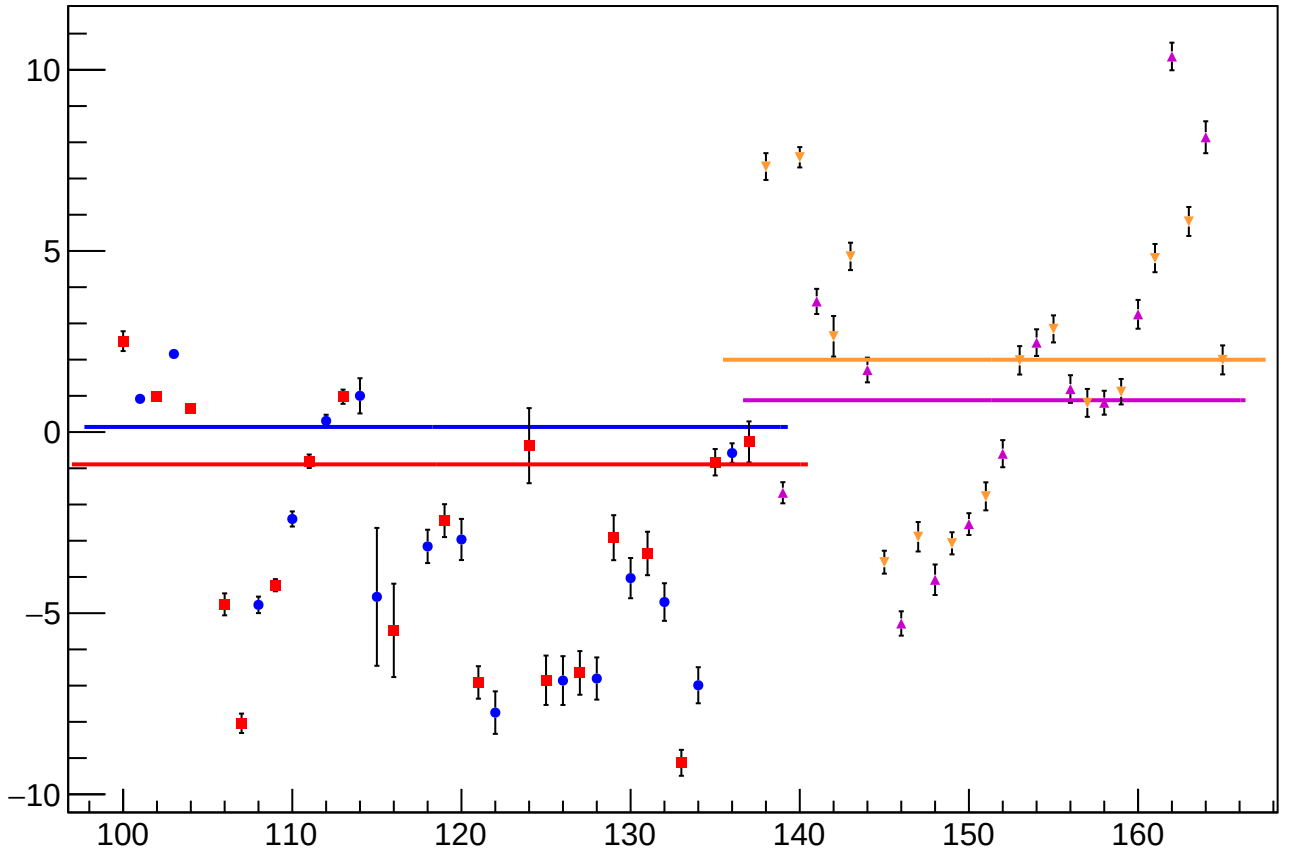
Left: 0.577+/-0.050 χ^2/NDF: 3027.4/27

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.160+/-0.045 χ^2/NDF:25185.2/28

Out: -4.441+/-0.044 χ^2/NDF:25464.8/33

All: -4.794+/-0.031 χ^2/NDF: 50781.4/62



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.095 χ^2/NDF:1654.1/14

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.879+/-0.099 χ^2/NDF:1709.8/12

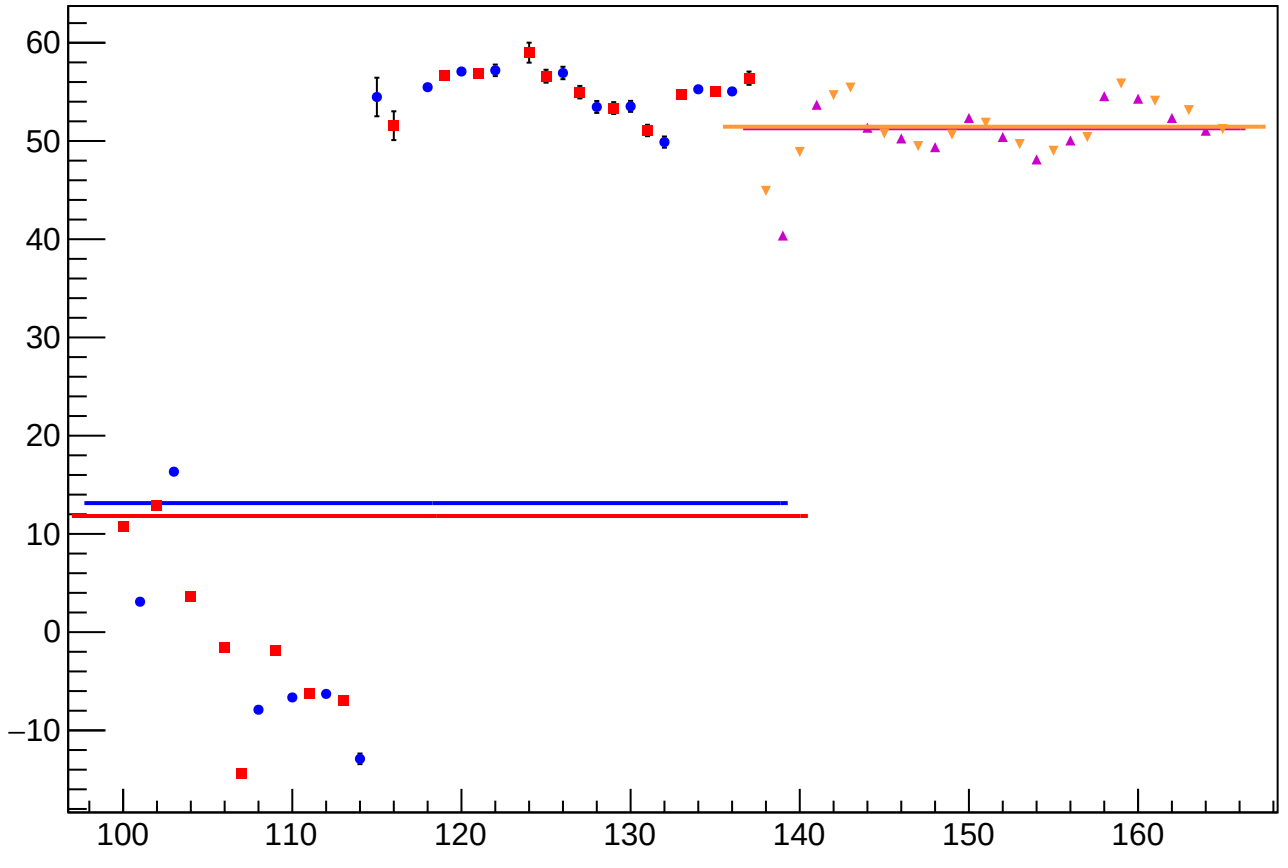
Left: 1.459+/-0.068 χ^2/NDF: 3430.8/27

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.307+/-0.047 χ^2/NDF:3713.0/28

Out: -0.191+/-0.047 χ^2/NDF:5342.7/33

All: 0.058+/-0.033 χ^2/NDF: 9112.7/62



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.454+/-0.079 χ^2/NDF:1096.8/14

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.292+/-0.084 χ^2/NDF:1025.1/12

Left: 51.377+/-0.058 χ^2/NDF: 2123.8/27

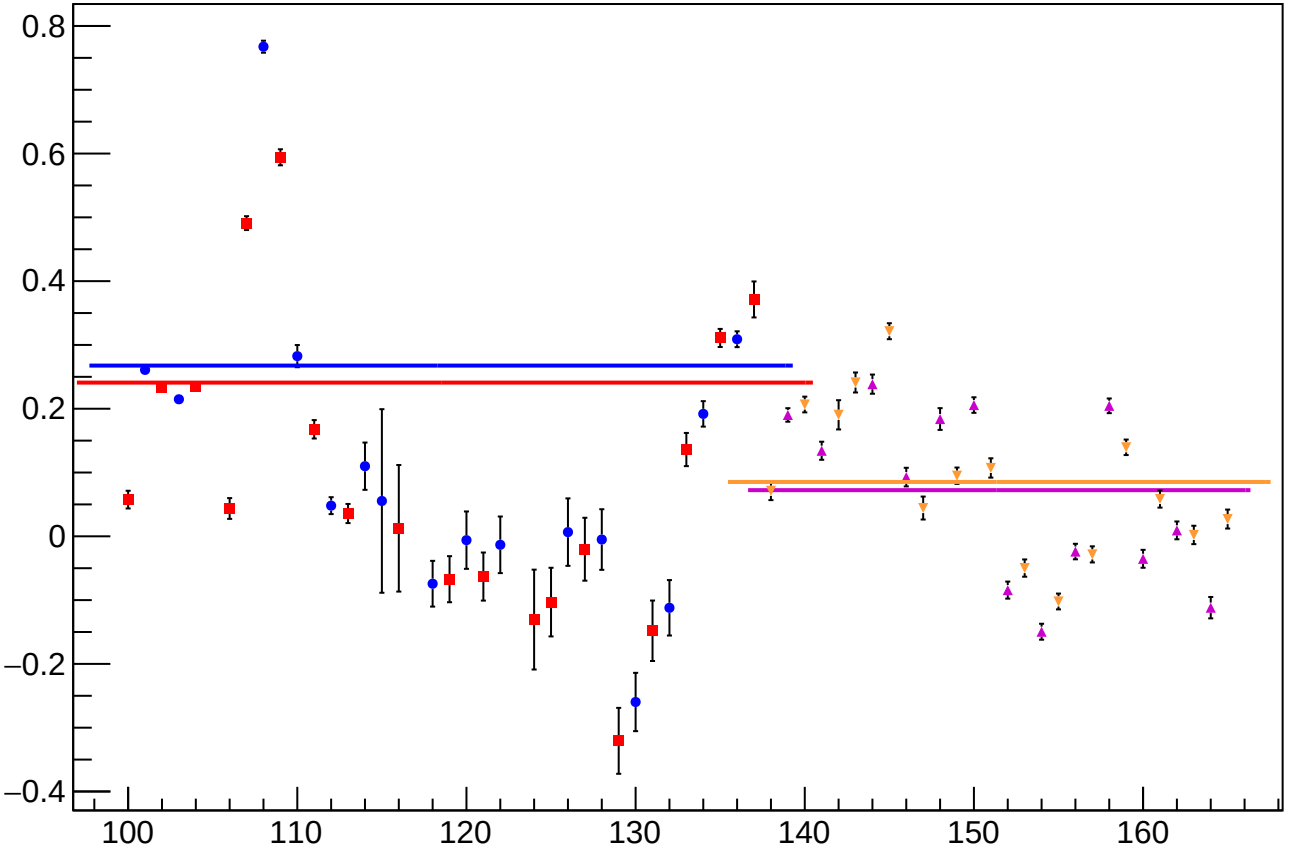
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 28.296+/-0.053 χ^2/NDF:234900.4/28

Out: 28.609+/-0.052 χ^2/NDF:263788.8/33

All: 28.456+/-0.037 χ^2/NDF: 498707.2/62

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: 0.085+/-0.004 χ^2/NDF:1063.5/14

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.072+/-0.004 χ^2/NDF:1277.0/12

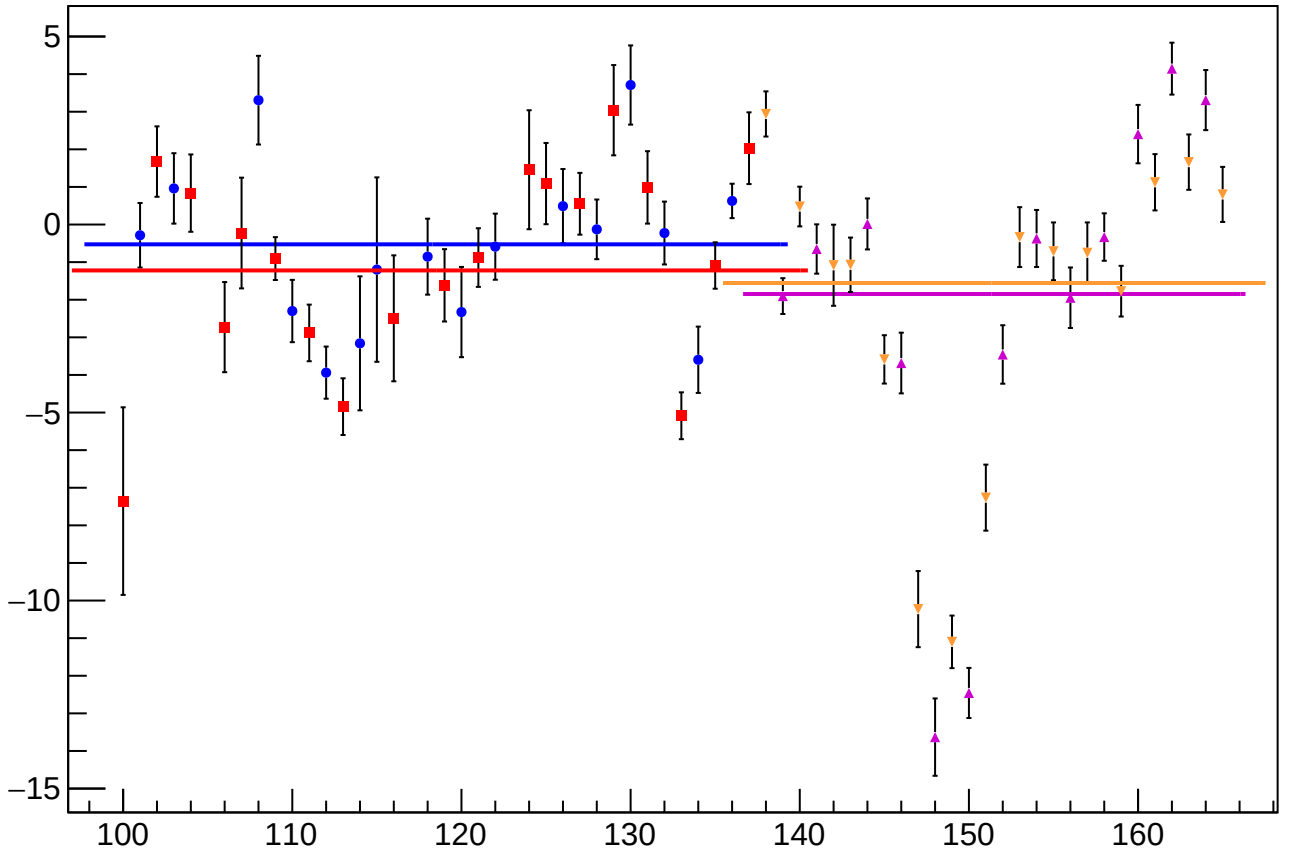
Left: 0.079+/-0.003 χ^2/NDF: 2346.7/27

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.197+/-0.002 χ^2/NDF:6774.7/28

Out: 0.184+/-0.002 χ^2/NDF:4584.1/33

All: 0.190+/-0.002 χ^2/NDF: 11375.9/62



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.555+/-0.188 χ^2/NDF:430.5/14

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.848+/-0.195 χ^2/NDF:561.7/12

Left: -1.696+/-0.135 χ^2/NDF: 993.3/27

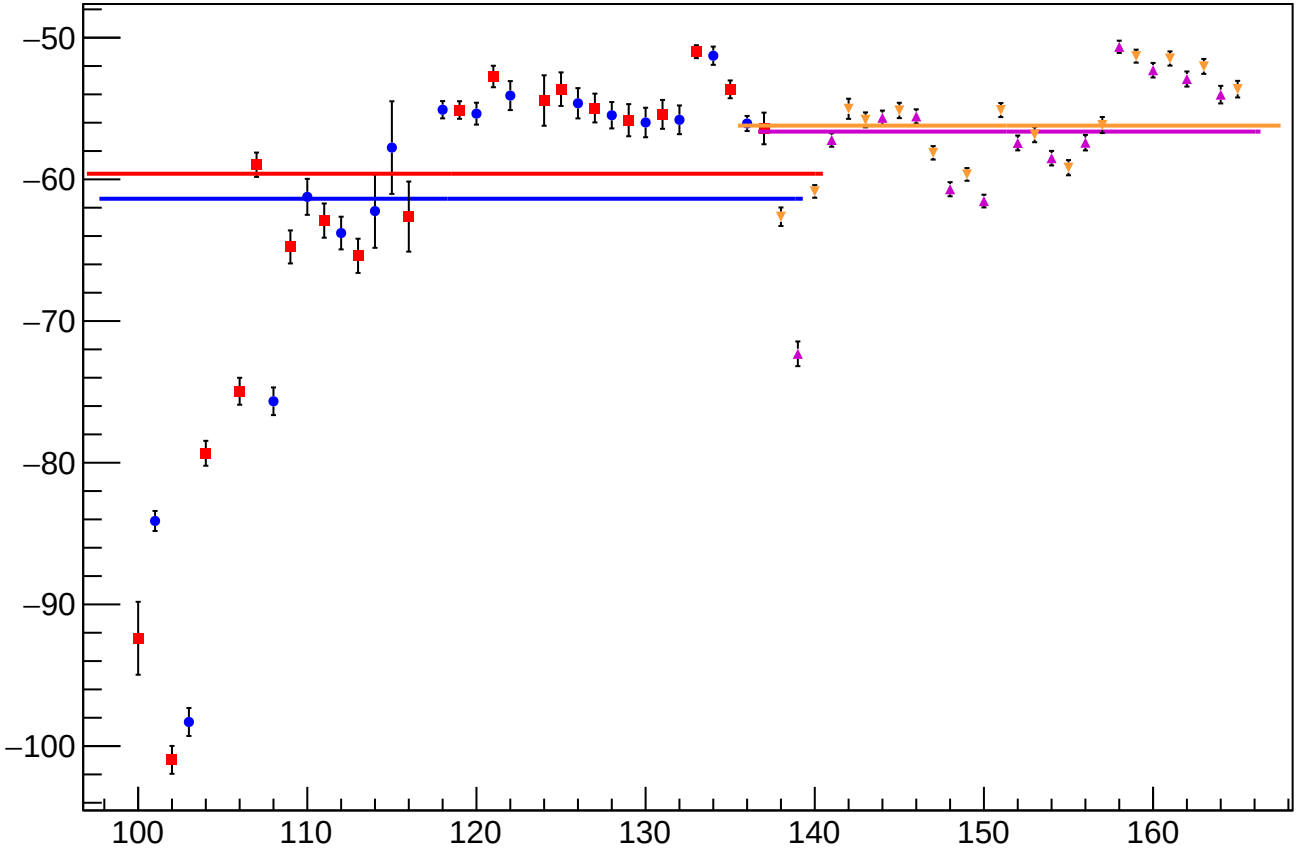
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.259+/-0.145 χ^2/NDF:665.0/28

Out: -1.402+/-0.138 χ^2/NDF:562.8/33

All: -1.334+/-0.100 χ^2/NDF: 1228.3/62

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.204+/-0.135 χ^2/NDF:608.7/14

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.628+/-0.144 χ^2/NDF:864.6/12

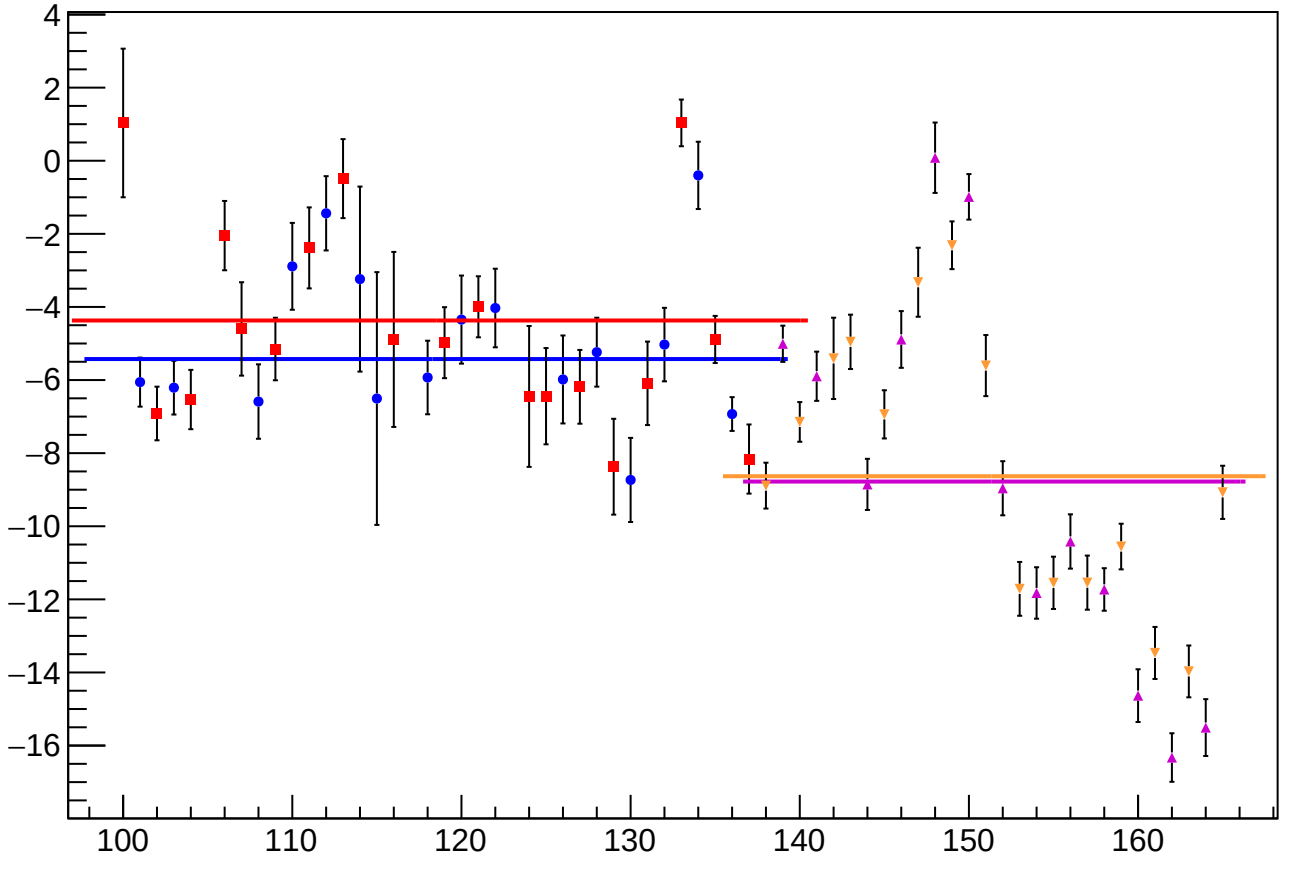
Left: -56.403+/-0.098 χ^2/NDF: 1477.9/27

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.054+/-0.120 χ^2/NDF:4543.2/28

Out: -57.219+/-0.113 χ^2/NDF:4219.6/33

All: -57.610+/-0.082 χ^2/NDF: 8788.4/62



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.631+/-0.183 χ^2/NDF:347.8/14

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.777+/-0.189 χ^2/NDF:662.0/12

Left: -8.702+/-0.131 χ^2/NDF: 1010.1/27

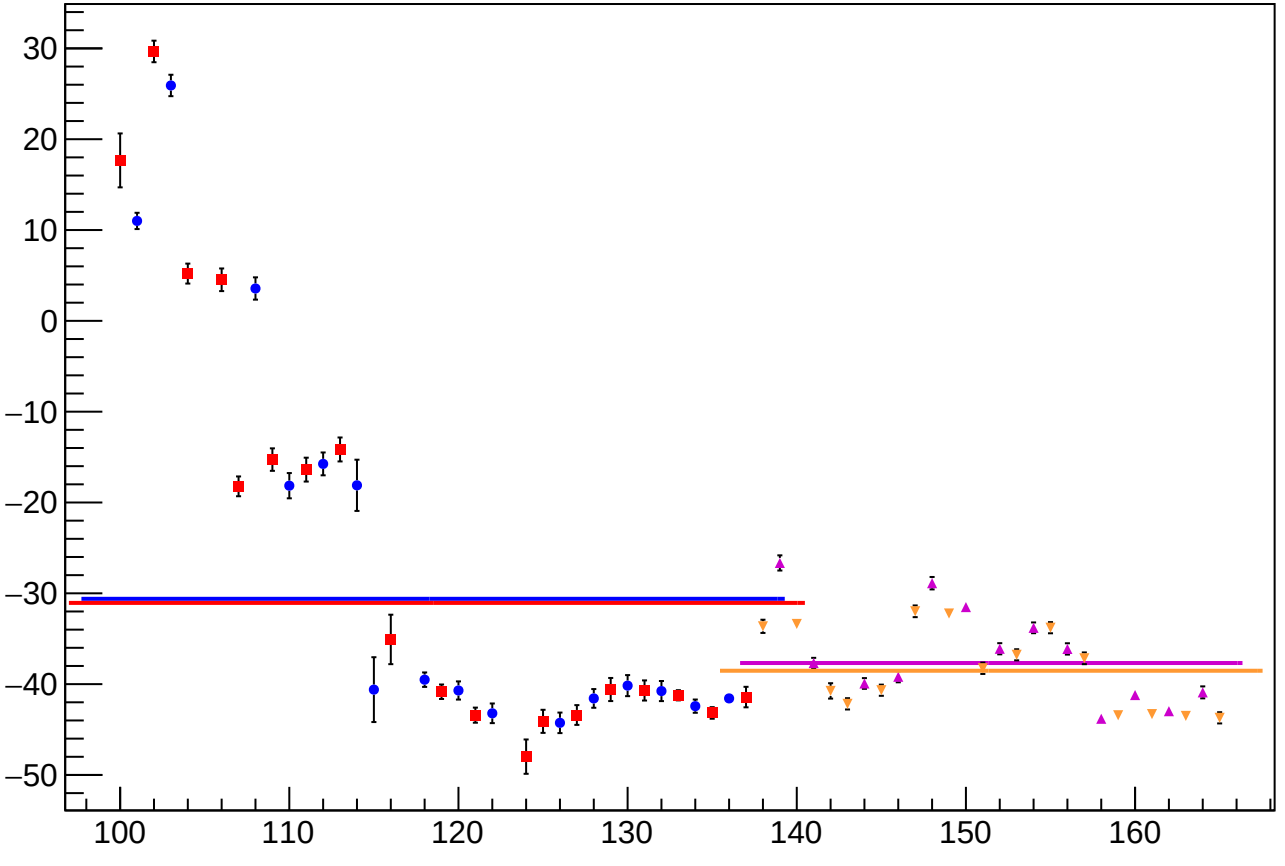
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.429+/-0.146 χ^2/NDF:865.0/28

Out: -6.910+/-0.141 χ^2/NDF:722.9/33

All: -7.161+/-0.102 χ^2/NDF: 1594.4/62

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.526+/-0.155 χ^2/NDF:838.7/14

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -37.675+/-0.163 χ^2/NDF:893.7/12

Left: -38.123+/-0.112 χ^2/NDF: 1746.8/27

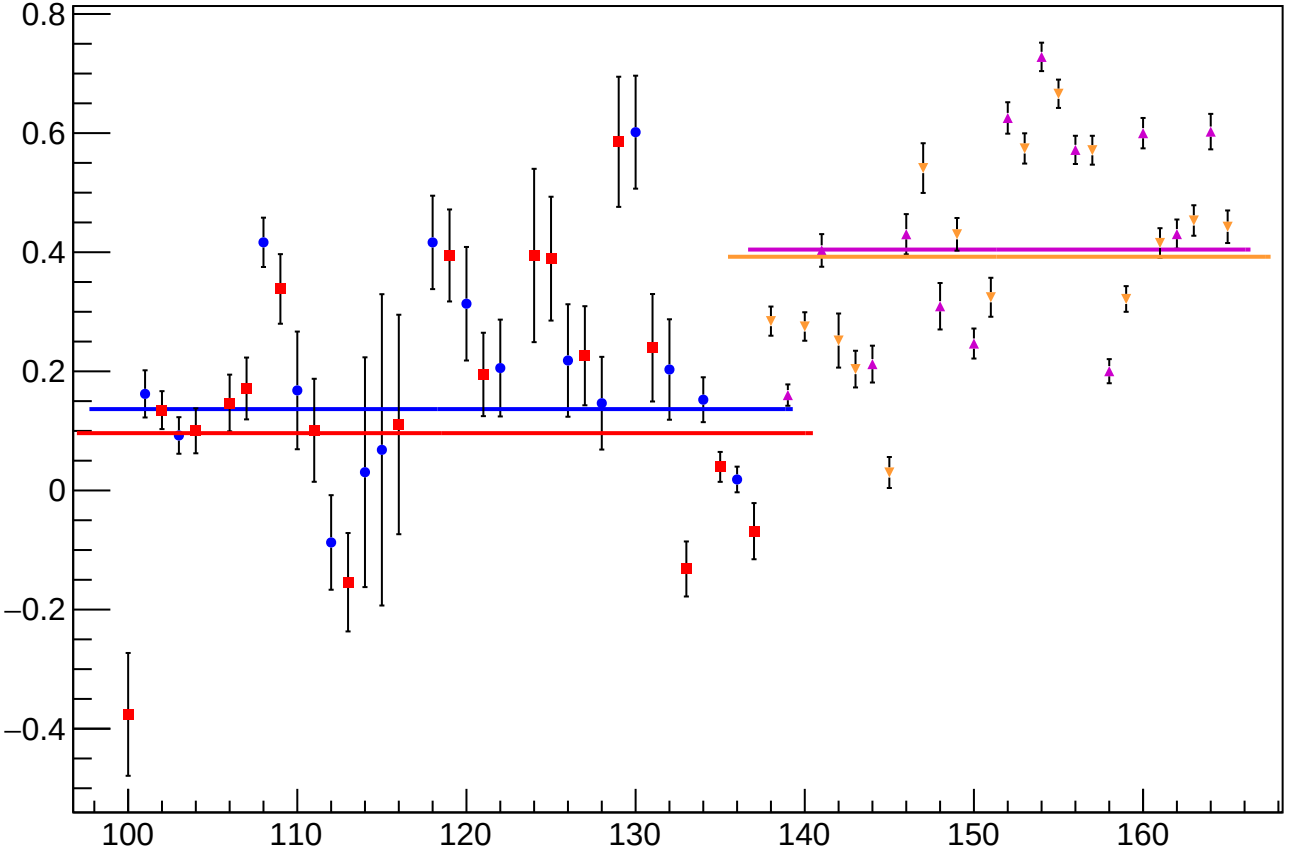
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -35.556+/-0.137 χ^2/NDF:8394.4/28

Out: -36.306+/-0.130 χ^2/NDF:8508.8/33

All: -35.950+/-0.094 χ^2/NDF: 16919.1/62

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.392+/-0.007 χ^2/NDF:562.1/14

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.404+/-0.007 χ^2/NDF:779.6/12

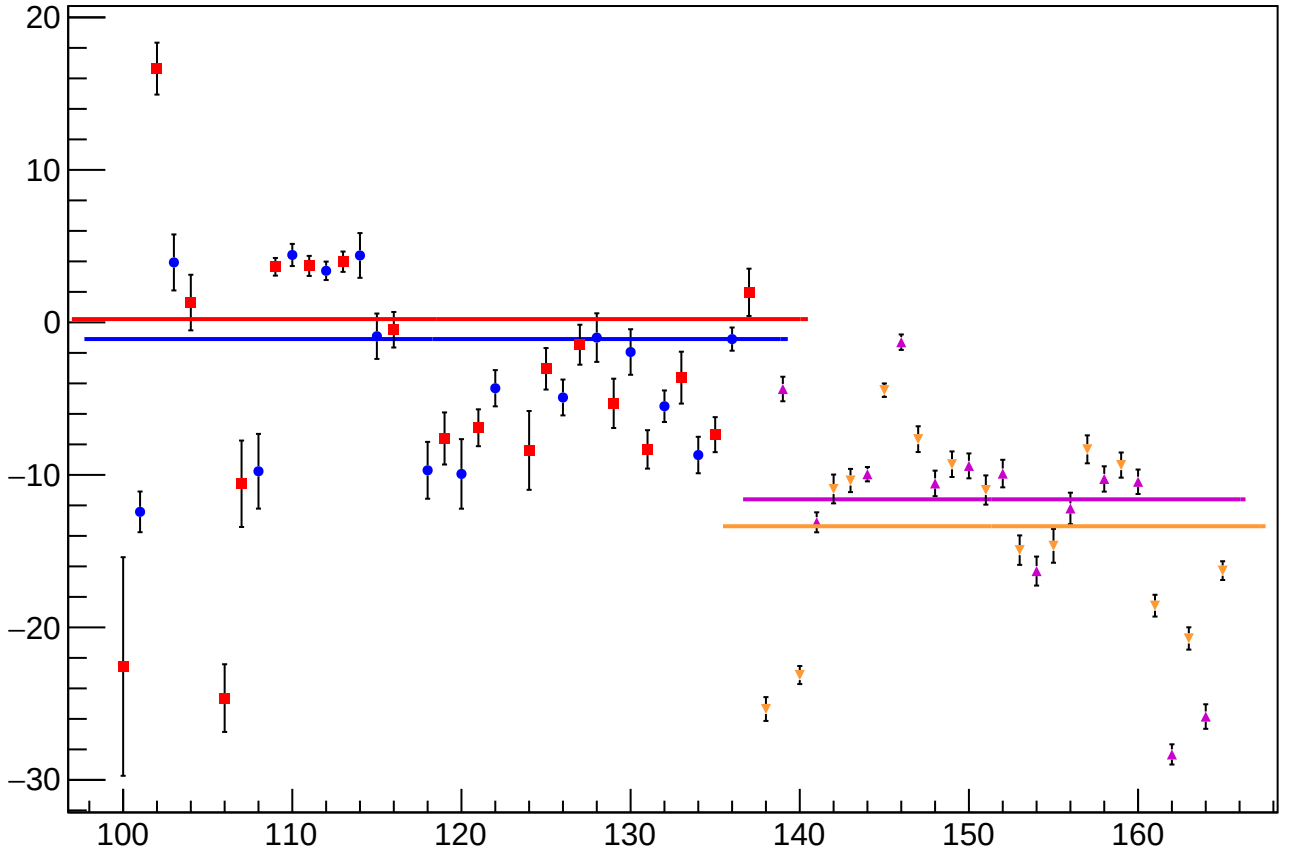
Left: 0.398+/-0.005 χ^2/NDF: 1343.2/27

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.340+/-0.006 χ^2/NDF:1258.0/28

Out: 0.322+/-0.006 χ^2/NDF:1148.2/33

All: 0.331+/-0.004 χ^2/NDF: 2410.9/62



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.367+/-0.191 χ^2/NDF:1246.6/14

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -11.602+/-0.199 χ^2/NDF:1503.8/12

Left: -12.519+/-0.138 χ^2/NDF: 2791.3/27

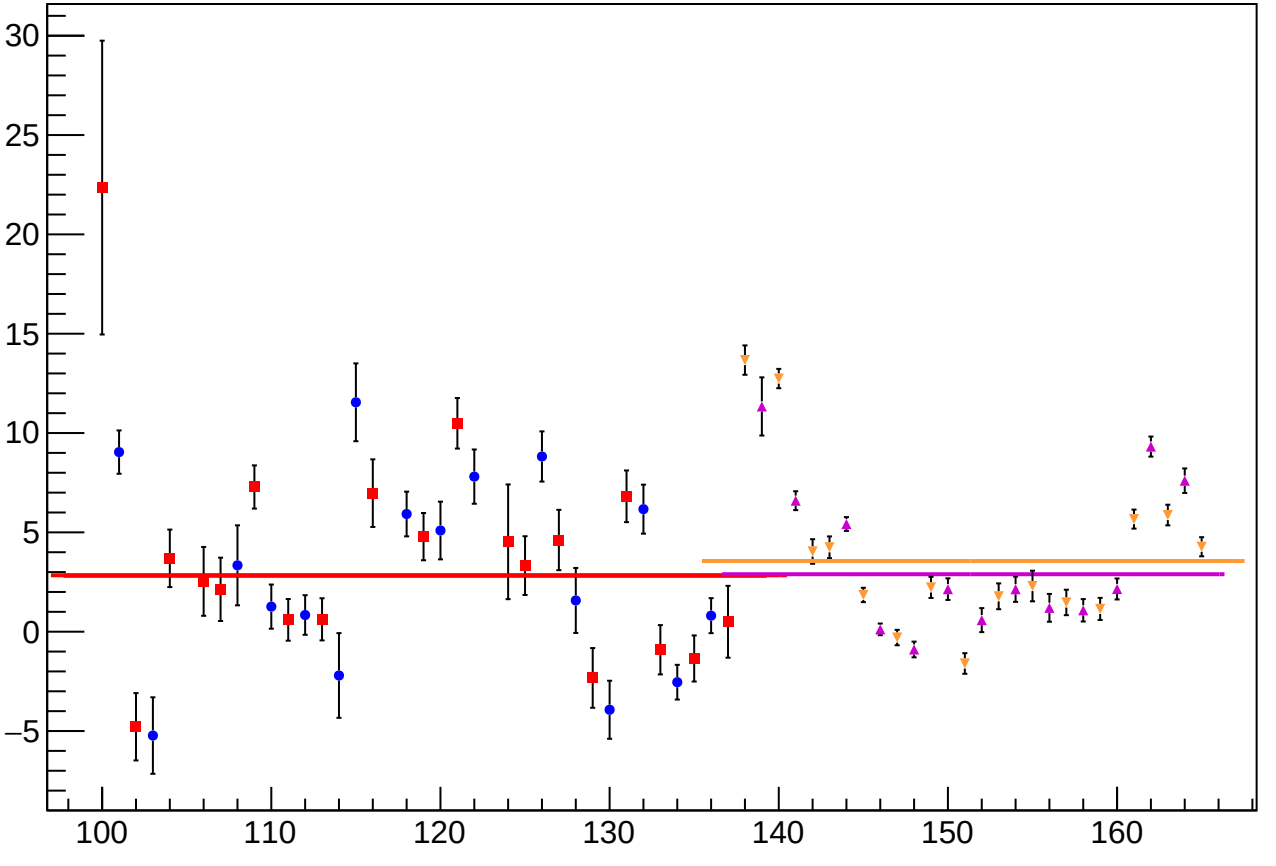
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -8.088+/-0.162 χ^2/NDF:2769.7/28

Out: -8.746+/-0.155 χ^2/NDF:3485.4/33

All: -8.431+/-0.112 χ^2/NDF: 6263.7/62

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: 3.557+/-0.134 χ^2/NDF:852.8/14

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.893+/-0.135 χ^2/NDF:583.9/12

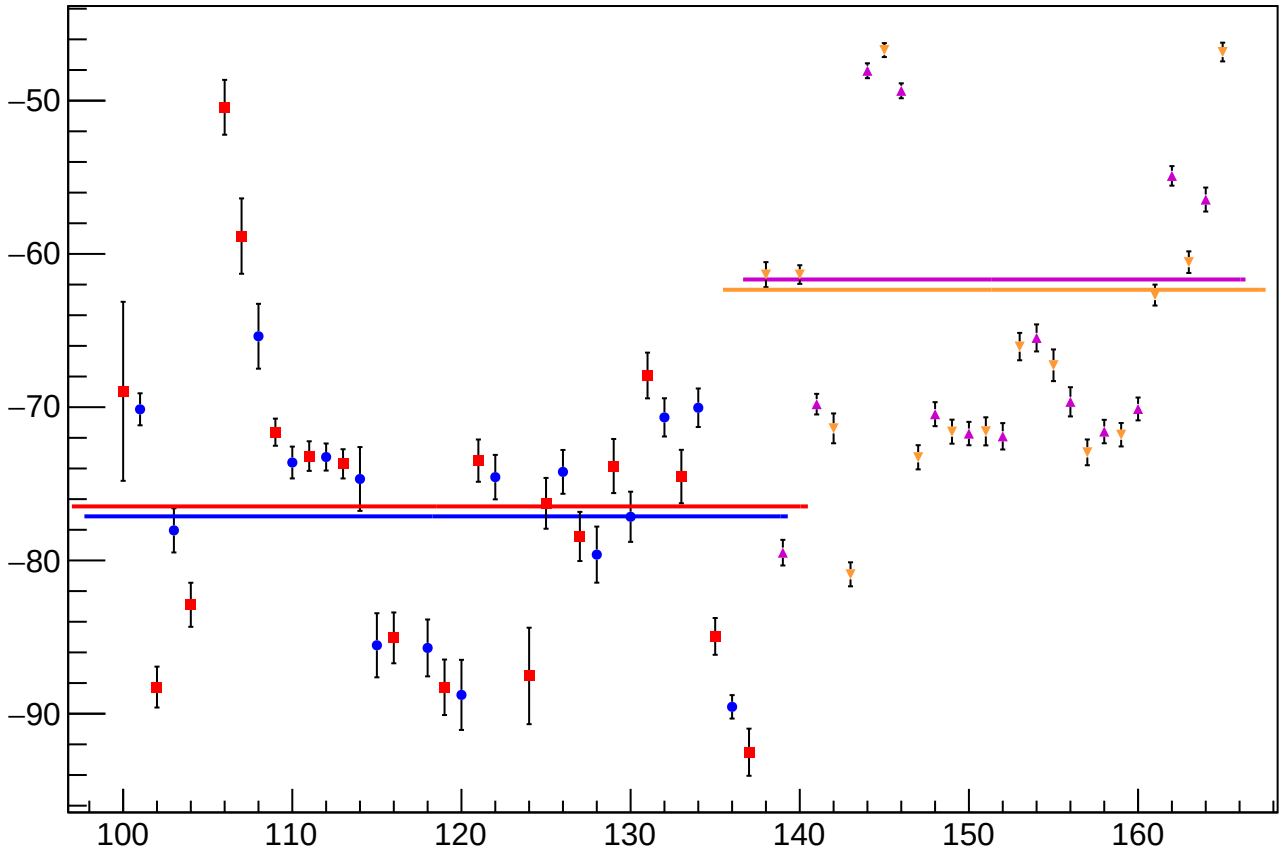
Left: 3.227+/-0.095 χ^2/NDF: 1448.9/27

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

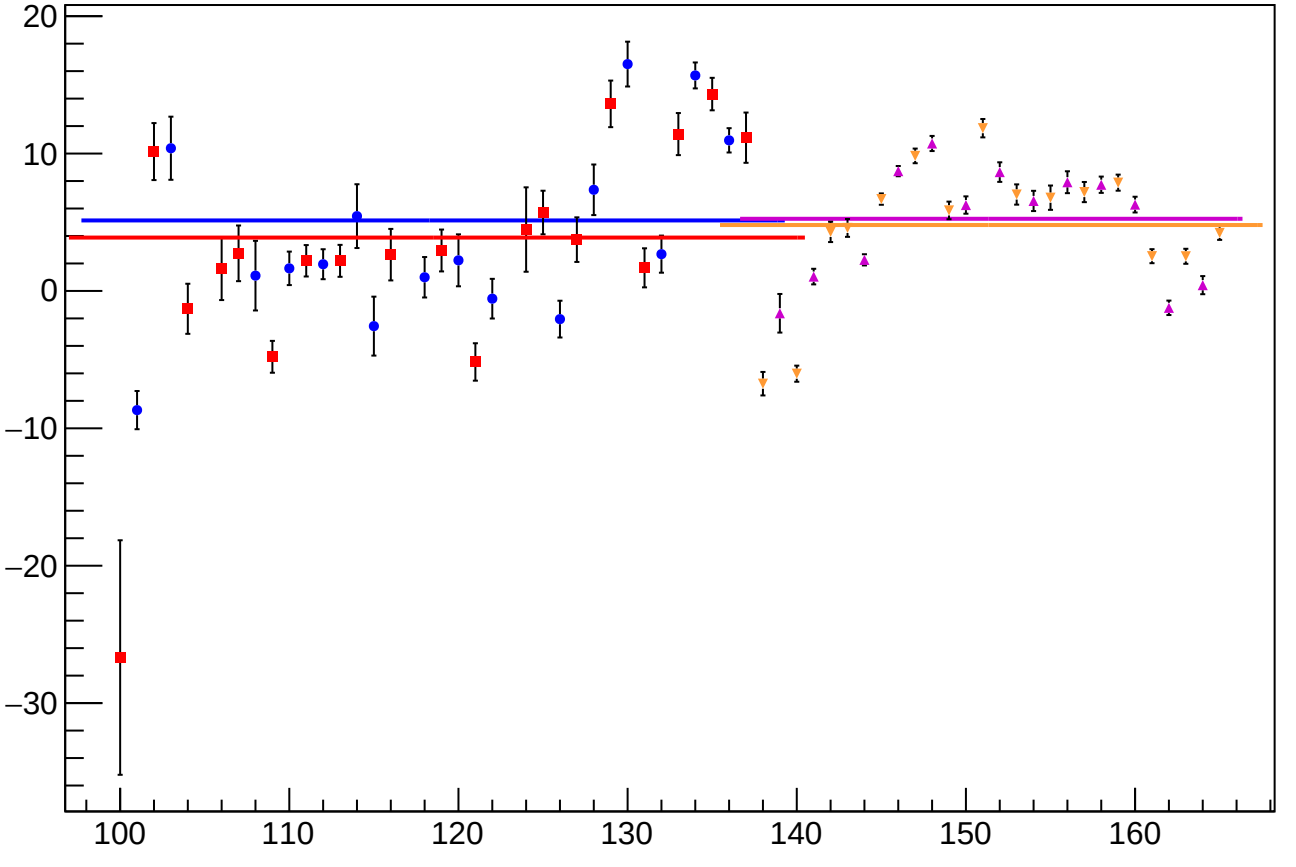
In: 2.882+/-0.124 χ^2/NDF:783.5/28

Out: 3.452+/-0.124 χ^2/NDF:1002.0/33

All: 3.167+/-0.088 χ^2/NDF: 1796.1/62


reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
Right In: -77.123+/-0.326 χ²/NDF: 503.3/15
Left Out: -62.339+/-0.188 χ²/NDF:3267.2/14
Right Out: -76.475+/-0.328 χ²/NDF: 695.8/18
Left In: -61.668+/-0.193 χ²/NDF:3006.8/12
Left: -62.012+/-0.135 χ²/NDF: 6280.2/27
Right: -76.801+/-0.231 χ²/NDF: 1201.1/34
In: -65.682+/-0.166 χ²/NDF:5171.0/28
Out: -65.827+/-0.163 χ²/NDF:5358.0/33
All: -65.756+/-0.116 χ²/NDF: 10529.4/62

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: 4.798+/-0.155 χ^2/NDF:838.1/14

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 5.252+/-0.158 χ^2/NDF:584.5/12

Left: 5.020+/-0.111 χ^2/NDF: 1426.8/27

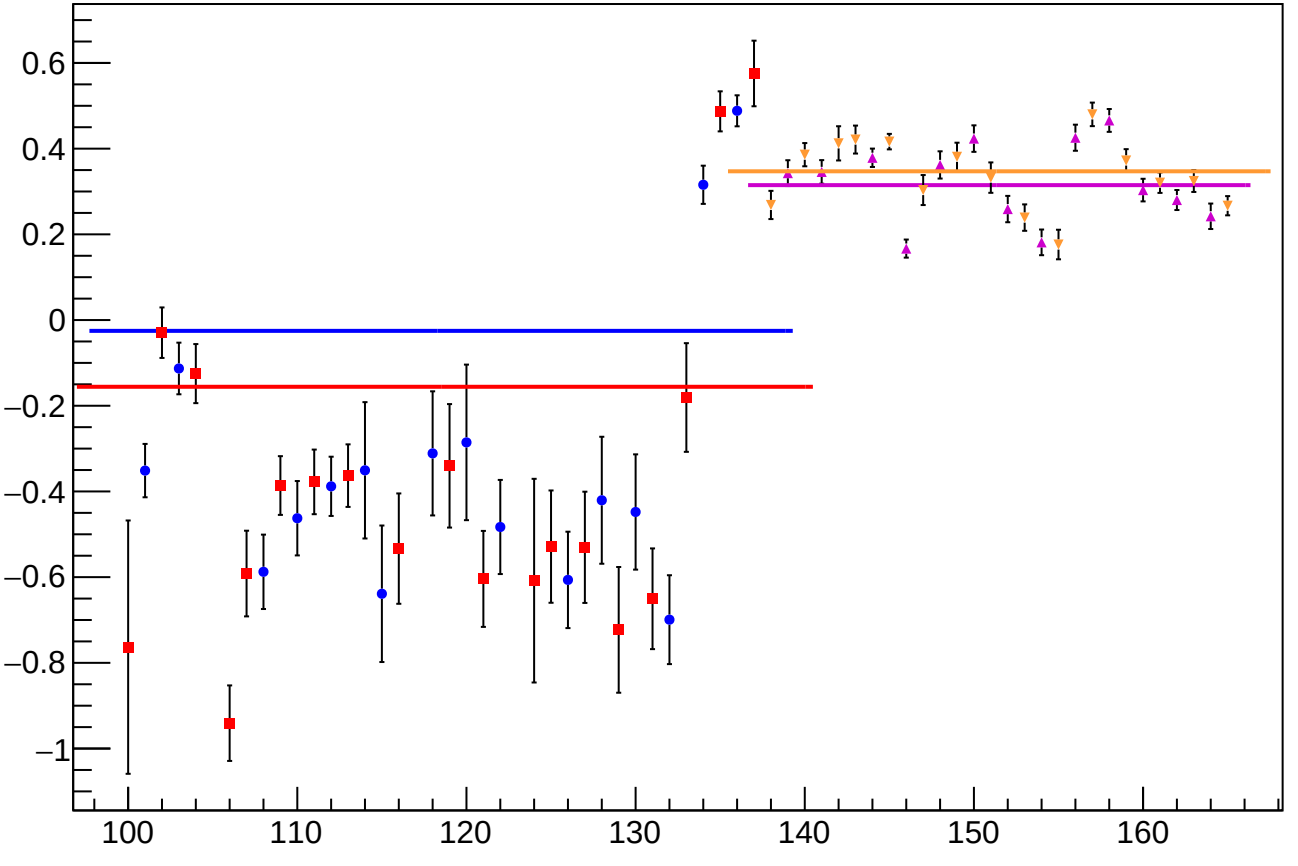
Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.232+/-0.144 χ^2/NDF:997.0/28

Out: 4.655+/-0.143 χ^2/NDF:1135.0/33

All: 4.940+/-0.101 χ^2/NDF: 2140.0/62

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.347+/-0.007 χ^2/NDF:109.0/14

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.315+/-0.007 χ^2/NDF:151.6/12

Left: 0.332+/-0.005 χ^2/NDF: 270.3/27

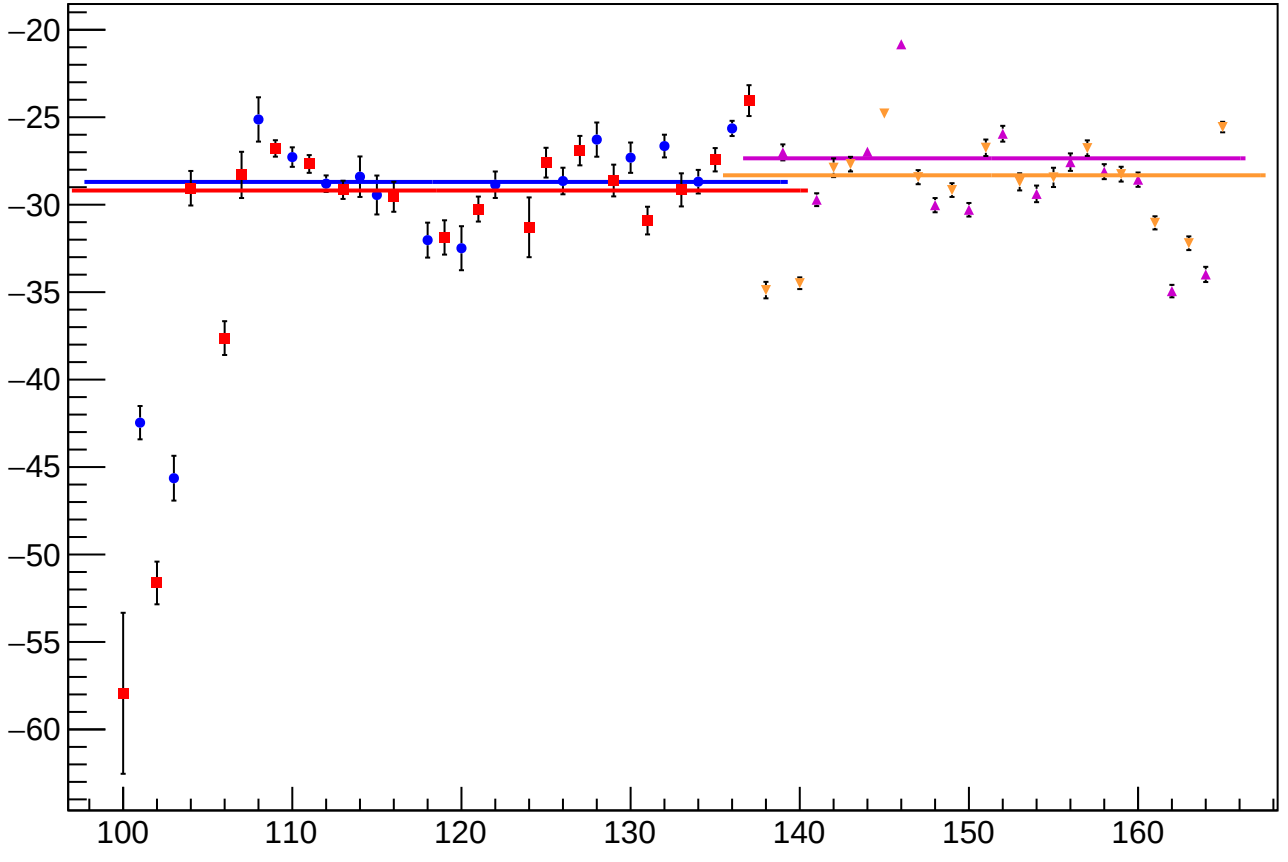
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.269+/-0.007 χ^2/NDF:943.1/28

Out: 0.291+/-0.007 χ^2/NDF:1153.4/33

All: 0.280+/-0.005 χ^2/NDF: 2101.4/62

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: -28.319+/-0.097 χ^2/NDF:1103.9/14

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.349+/-0.097 χ^2/NDF:1872.2/12

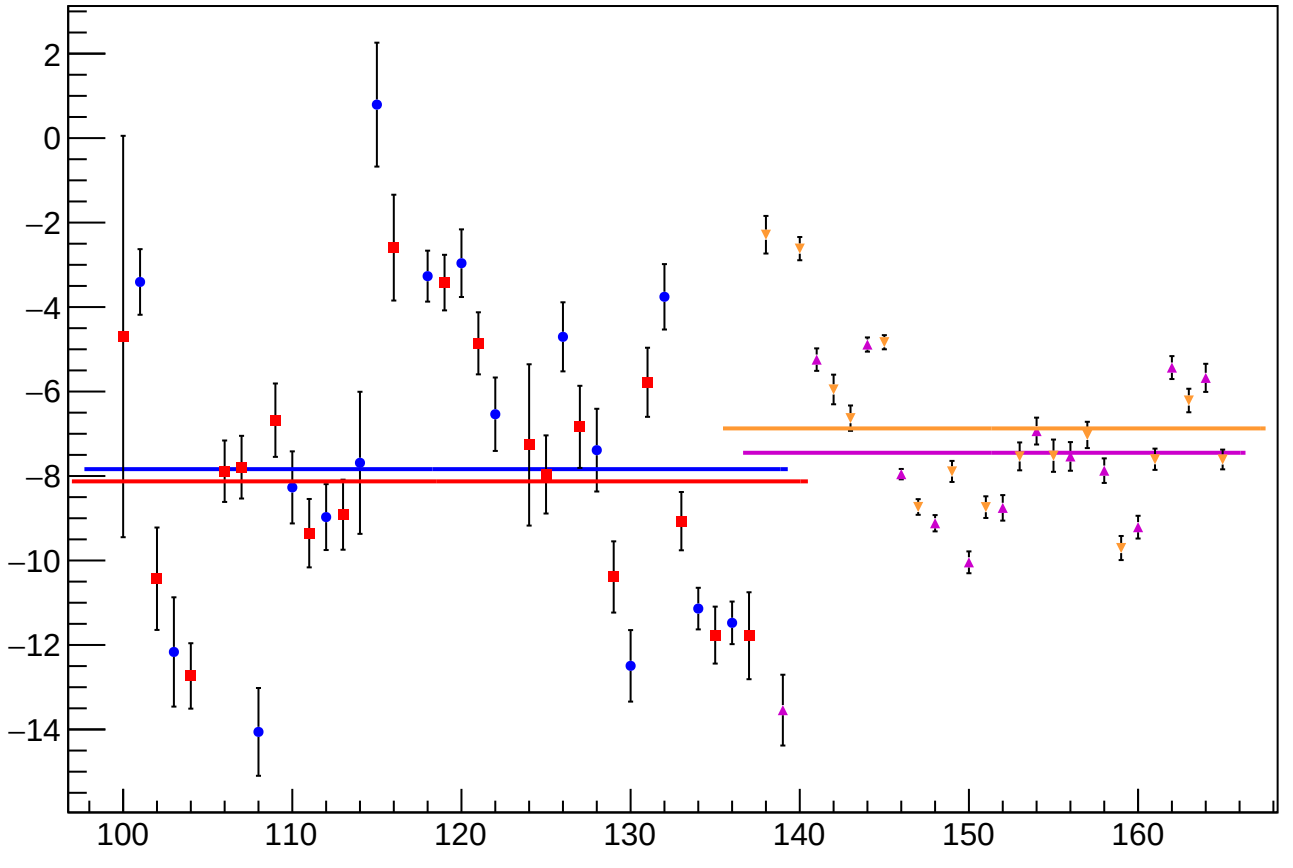
Left: -27.837+/-0.069 χ^2/NDF: 3026.1/27

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.639+/-0.086 χ^2/NDF:2400.9/28

Out: -28.512+/-0.085 χ^2/NDF:1679.1/33

All: -28.080+/-0.061 χ^2/NDF: 4131.8/62



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.873+/-0.068 χ^2/NDF:801.7/14

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.450+/-0.065 χ^2/NDF:695.9/12

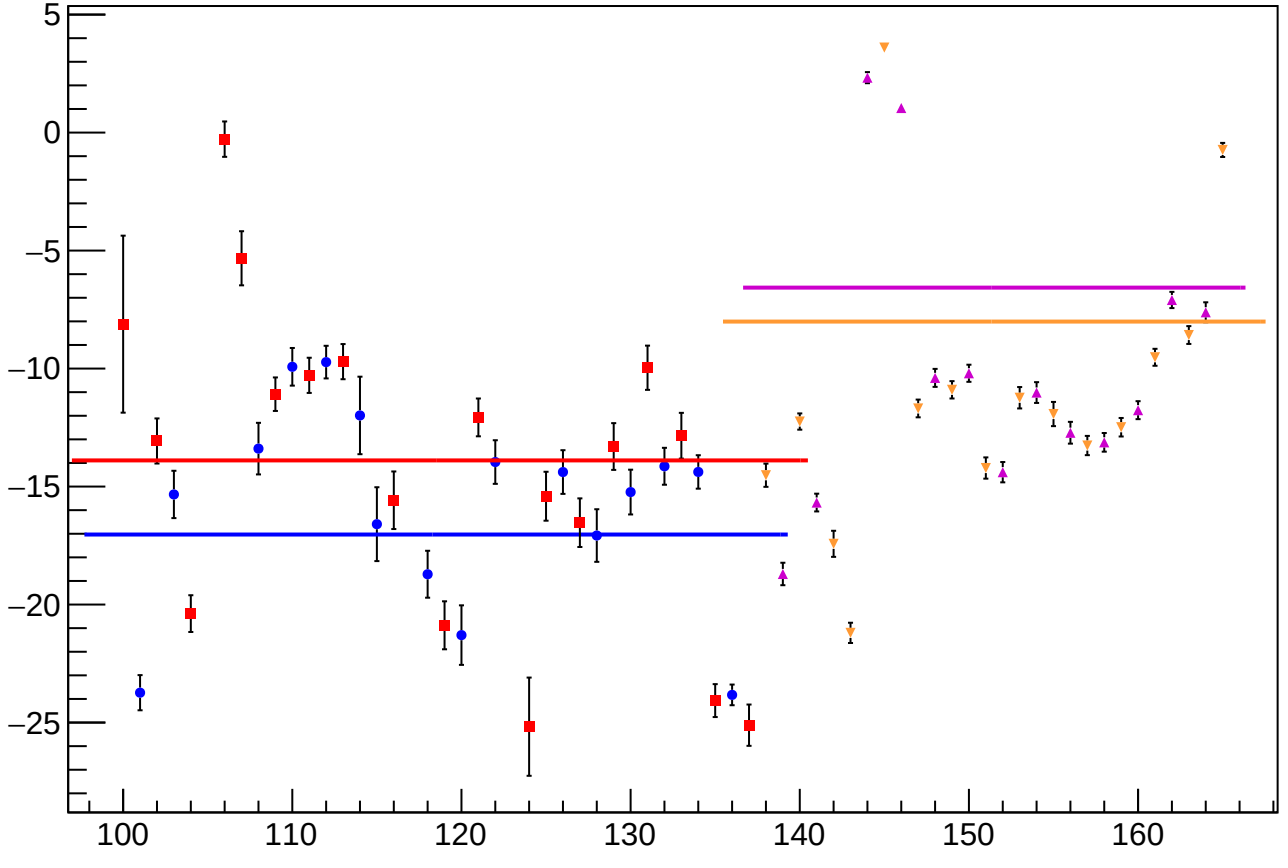
Left: -7.173+/-0.047 χ^2/NDF: 1535.4/27

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.489+/-0.062 χ^2/NDF:1082.7/28

Out: -7.005+/-0.064 χ^2/NDF:1035.4/33

All: -7.256+/-0.044 χ^2/NDF: 2147.6/62



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.009+/-0.095 χ^2/NDF:6043.7/14

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -6.570+/-0.094 χ^2/NDF:5416.5/12

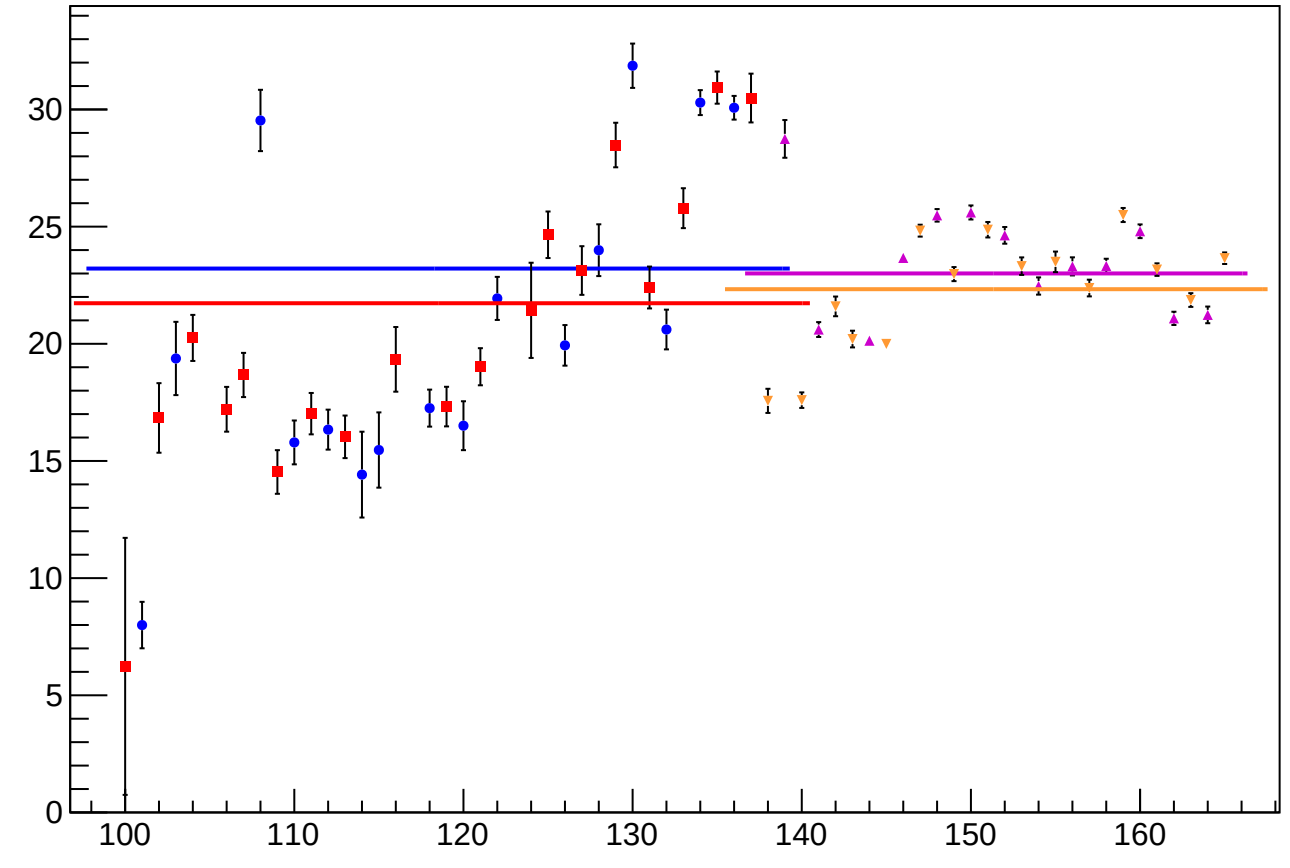
Left: -7.286+/-0.067 χ^2/NDF: 11575.5/27

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.340+/-0.086 χ^2/NDF:8092.4/28

Out: -9.012+/-0.086 χ^2/NDF:7716.3/33

All: -8.675+/-0.061 χ^2/NDF: 15839.0/62



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.330+/-0.078 χ^2/NDF:803.4/14

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.003+/-0.077 χ^2/NDF:632.5/12

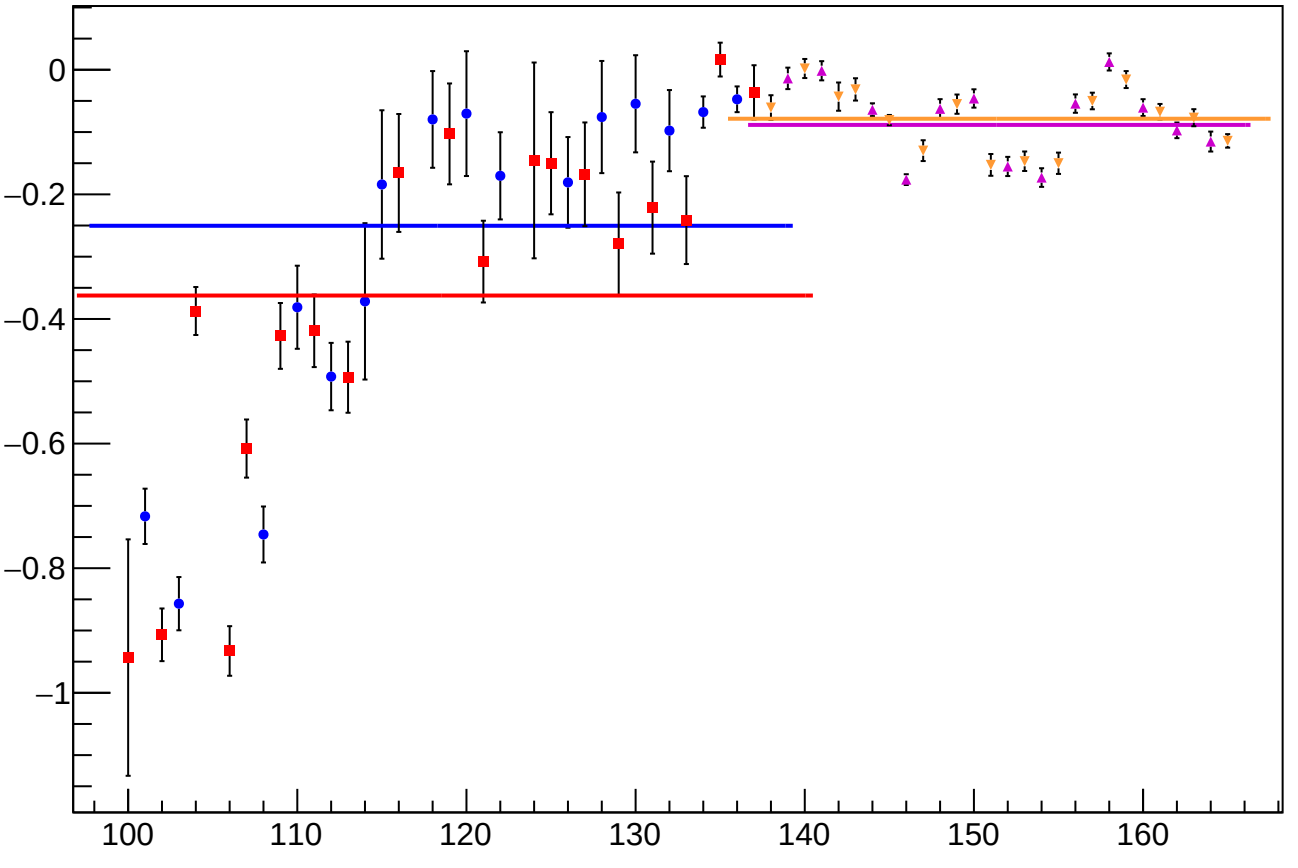
Left: 22.673+/-0.055 χ^2/NDF: 1473.4/27

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.026+/-0.073 χ^2/NDF:1641.5/28

Out: 22.265+/-0.074 χ^2/NDF:1368.0/33

All: 22.653+/-0.052 χ^2/NDF: 3063.4/62



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.079+/-0.004 χ^2/NDF:141.5/14

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.089+/-0.004 χ^2/NDF:288.2/12

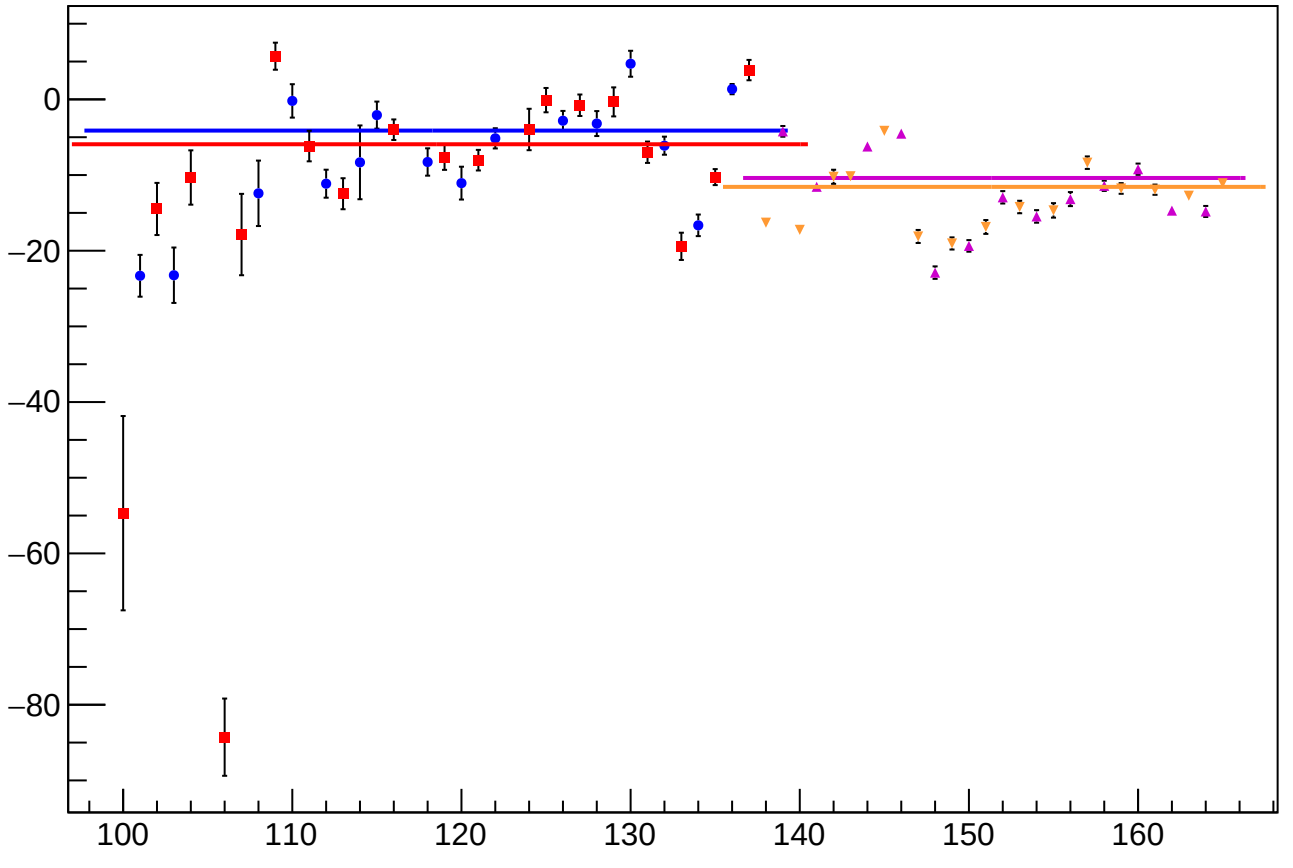
Left: -0.083+/-0.003 χ^2/NDF: 433.4/27

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.004 χ^2/NDF:1097.1/28

Out: -0.101+/-0.003 χ^2/NDF:1332.1/33

All: -0.102+/-0.002 χ^2/NDF: 2429.4/62



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.563+/-0.168 χ^2/NDF:789.1/14

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.386+/-0.176 χ^2/NDF:900.9/12

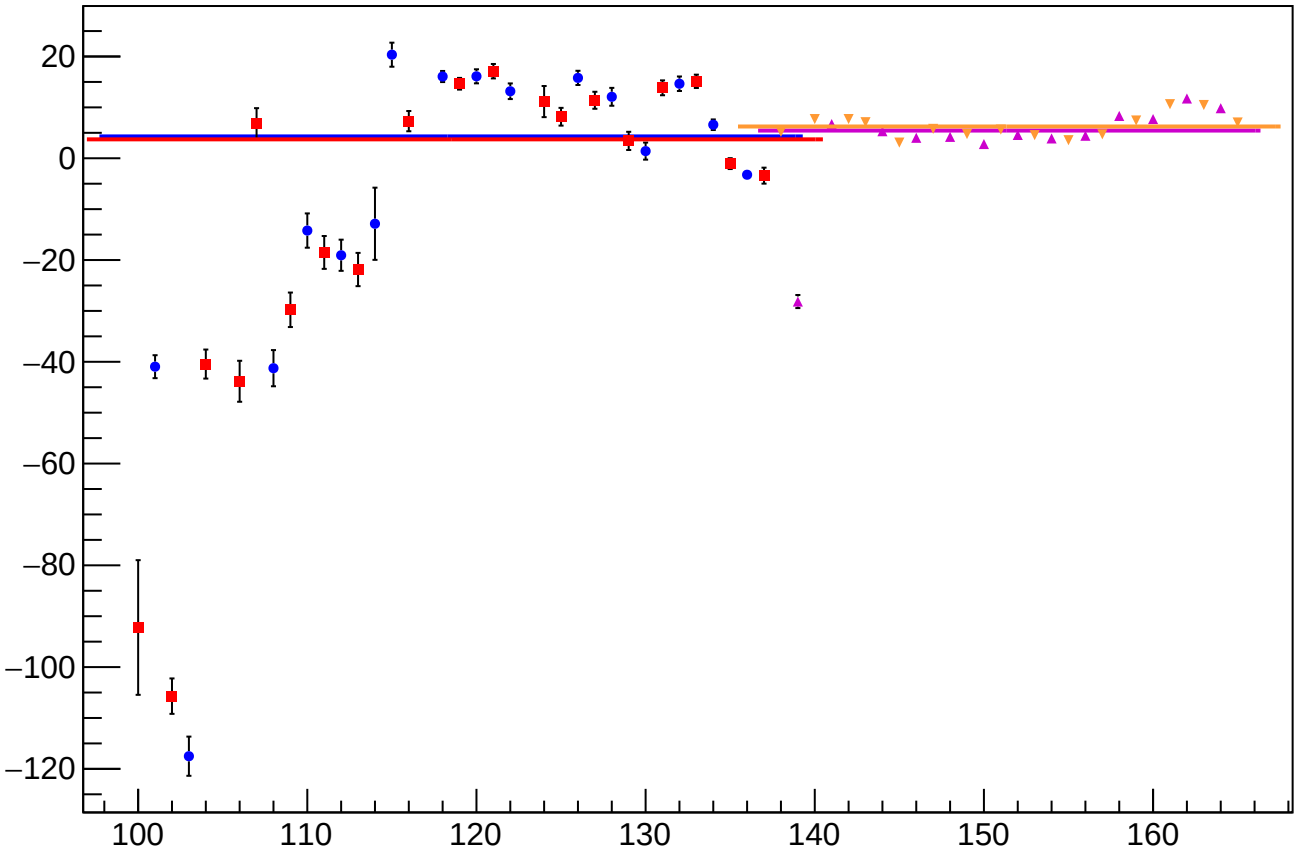
Left: -11.001+/-0.122 χ^2/NDF: 1713.2/27

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.287+/-0.160 χ^2/NDF:1410.6/28

Out: -10.742+/-0.156 χ^2/NDF:1434.7/33

All: -10.034+/-0.112 χ^2/NDF: 2887.9/62



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.244+/-0.120 χ^2/NDF:365.8/14

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.445+/-0.121 χ^2/NDF:1084.3/12

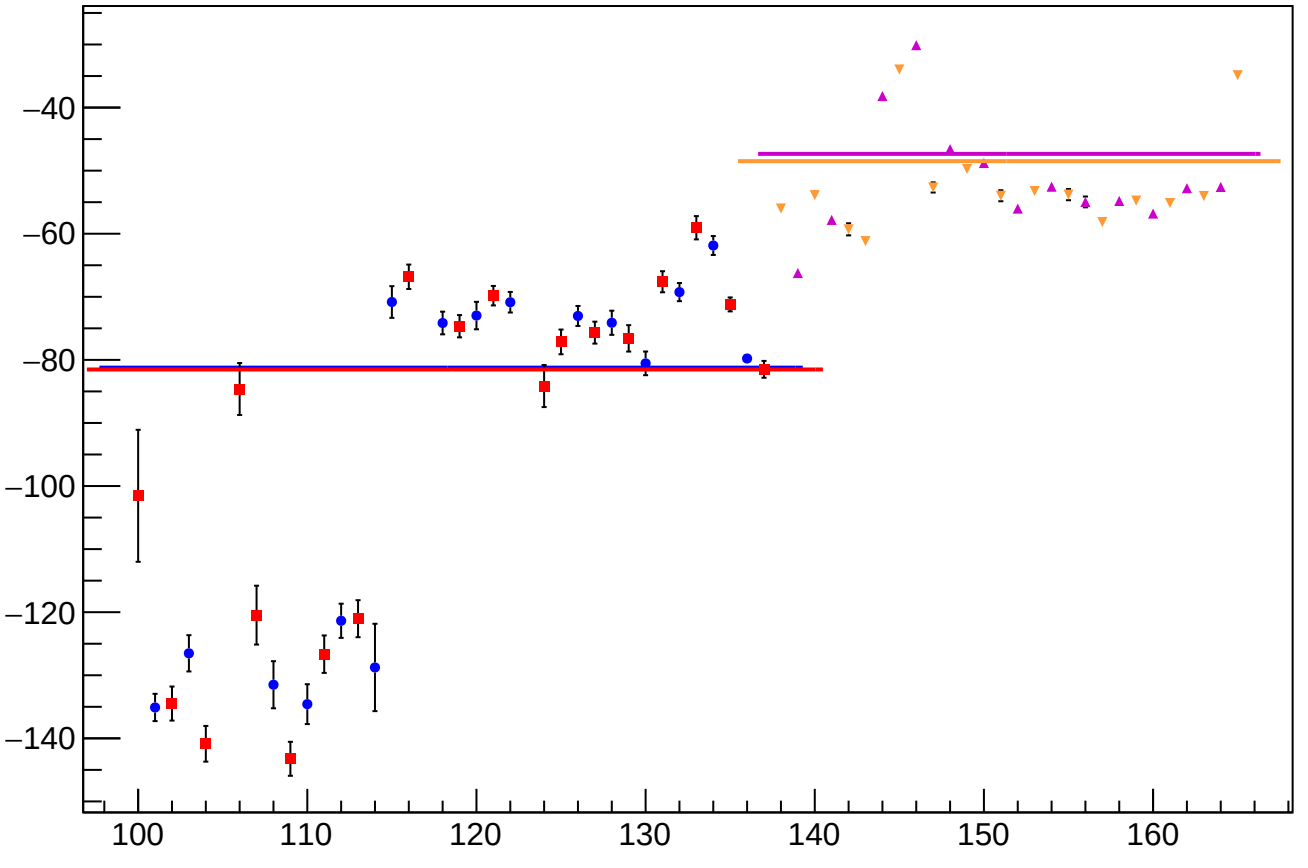
Left: 5.847+/-0.085 χ^2/NDF: 1472.1/27

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.342+/-0.115 χ^2/NDF:3261.6/28

Out: 6.055+/-0.115 χ^2/NDF:2406.1/33

All: 5.698+/-0.082 χ^2/NDF: 5686.8/62



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -48.495+/-0.166 χ^2/NDF:3546.5/14

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -47.338+/-0.171 χ^2/NDF:4019.2/12

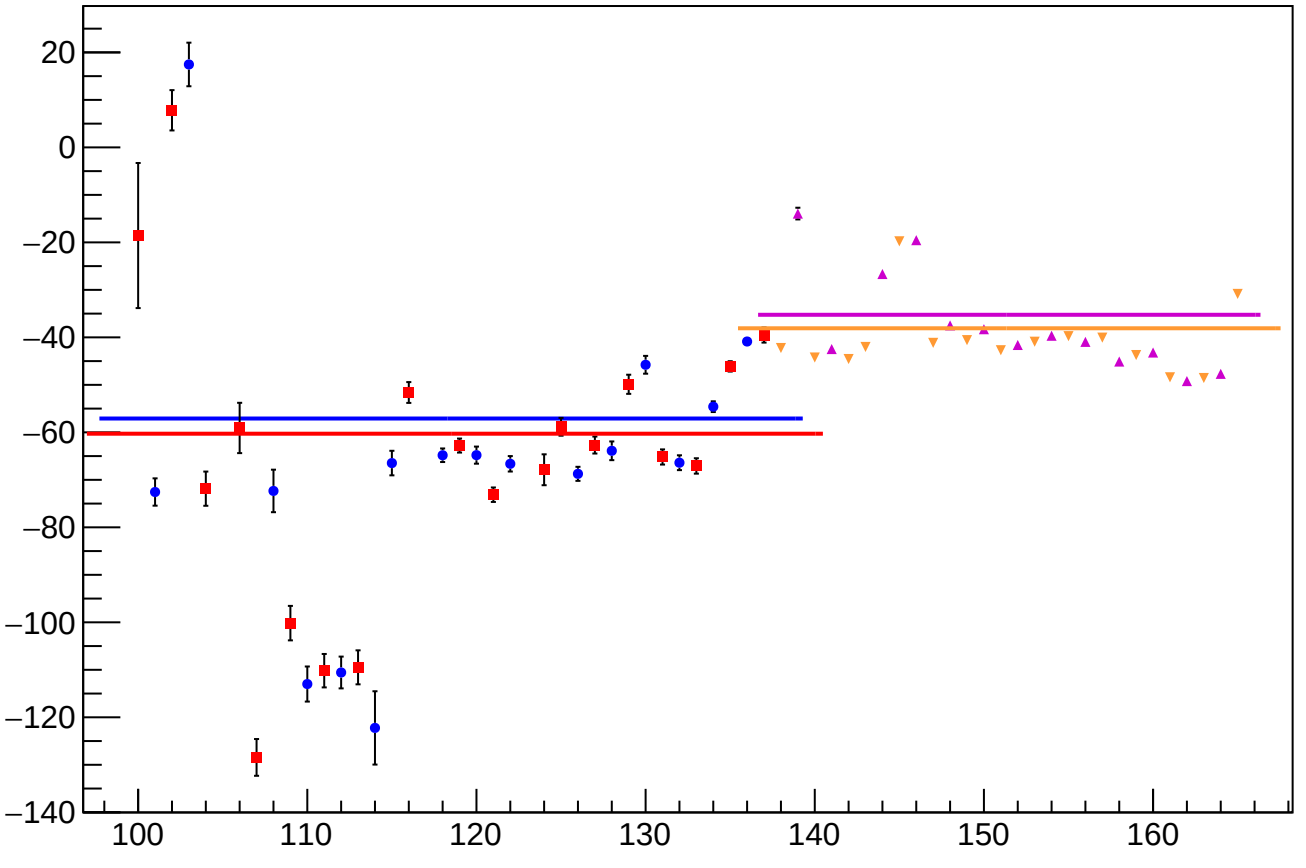
Left: -47.934+/-0.119 χ^2/NDF: 7589.2/27

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -52.233+/-0.158 χ^2/NDF:11646.9/28

Out: -52.279+/-0.156 χ^2/NDF:10372.7/33

All: -52.256+/-0.111 χ^2/NDF: 22019.6/62



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -38.088+/-0.138 χ^2/NDF:4688.5/14

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -35.247+/-0.141 χ^2/NDF:5801.7/12

Left: -36.699+/-0.099 χ^2/NDF: 10697.5/27

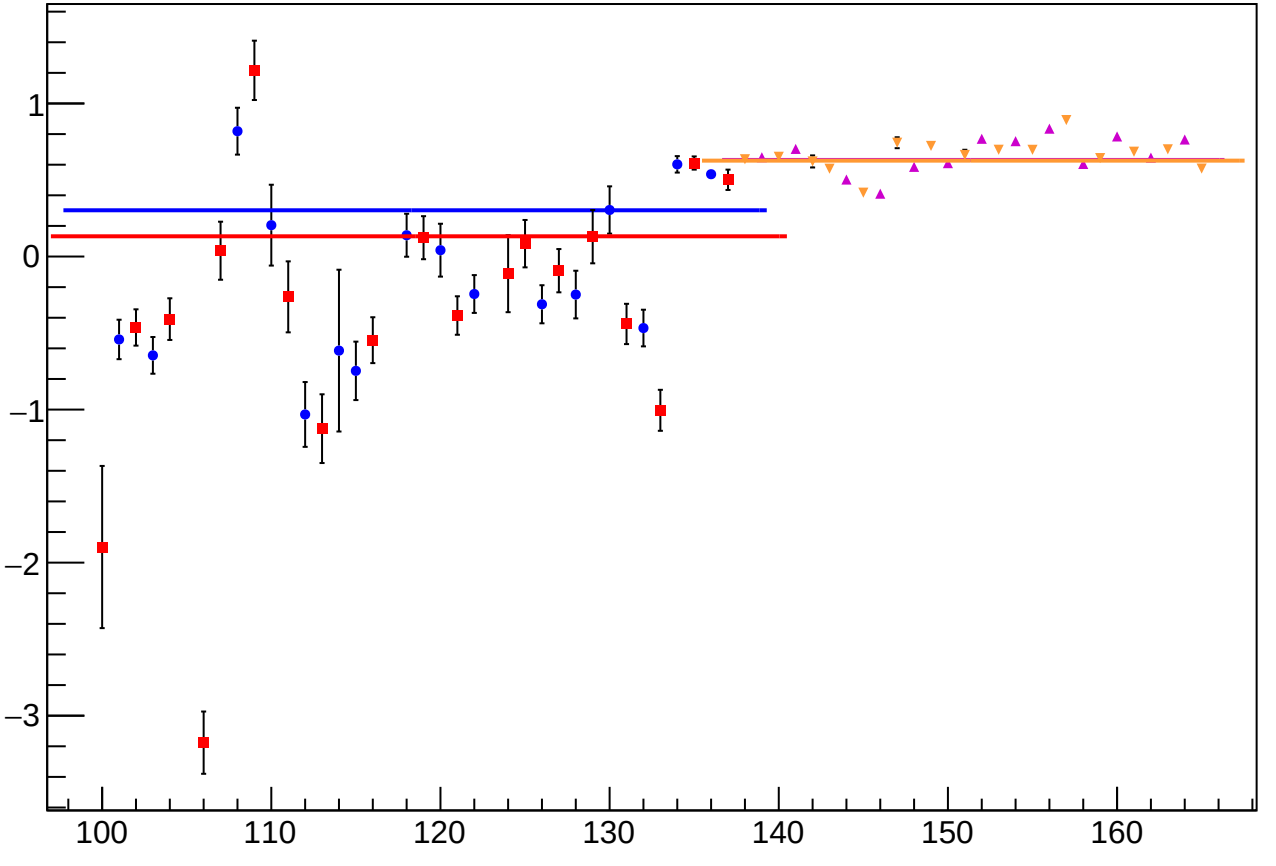
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -37.408+/-0.134 χ^2/NDF:9700.2/28

Out: -39.849+/-0.132 χ^2/NDF:8330.0/33

All: -38.643+/-0.094 χ^2/NDF: 18198.2/62

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: 0.627+/-0.006 χ^2/NDF:373.3/14

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.631+/-0.007 χ^2/NDF:389.4/12

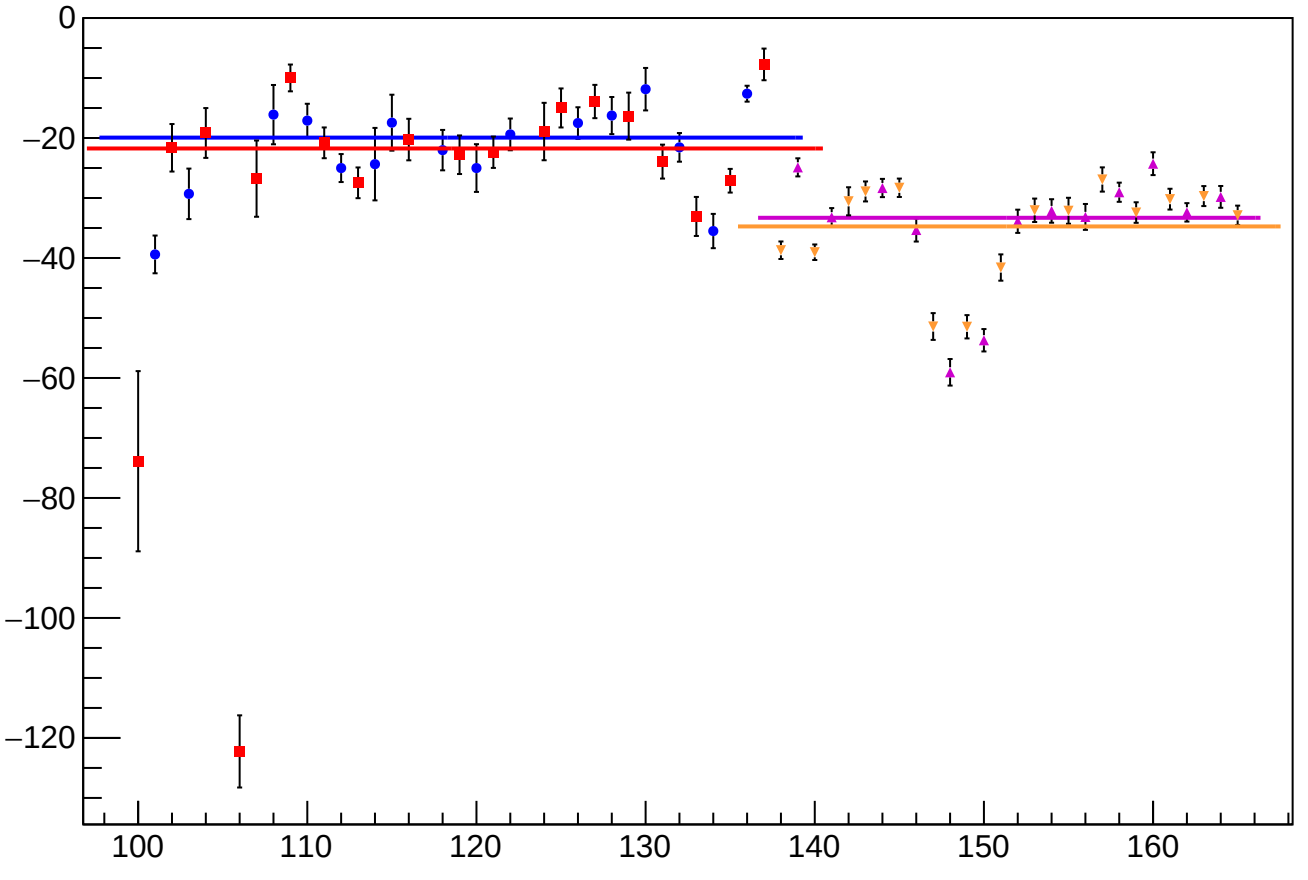
Left: 0.629+/-0.005 χ^2/NDF: 763.0/27

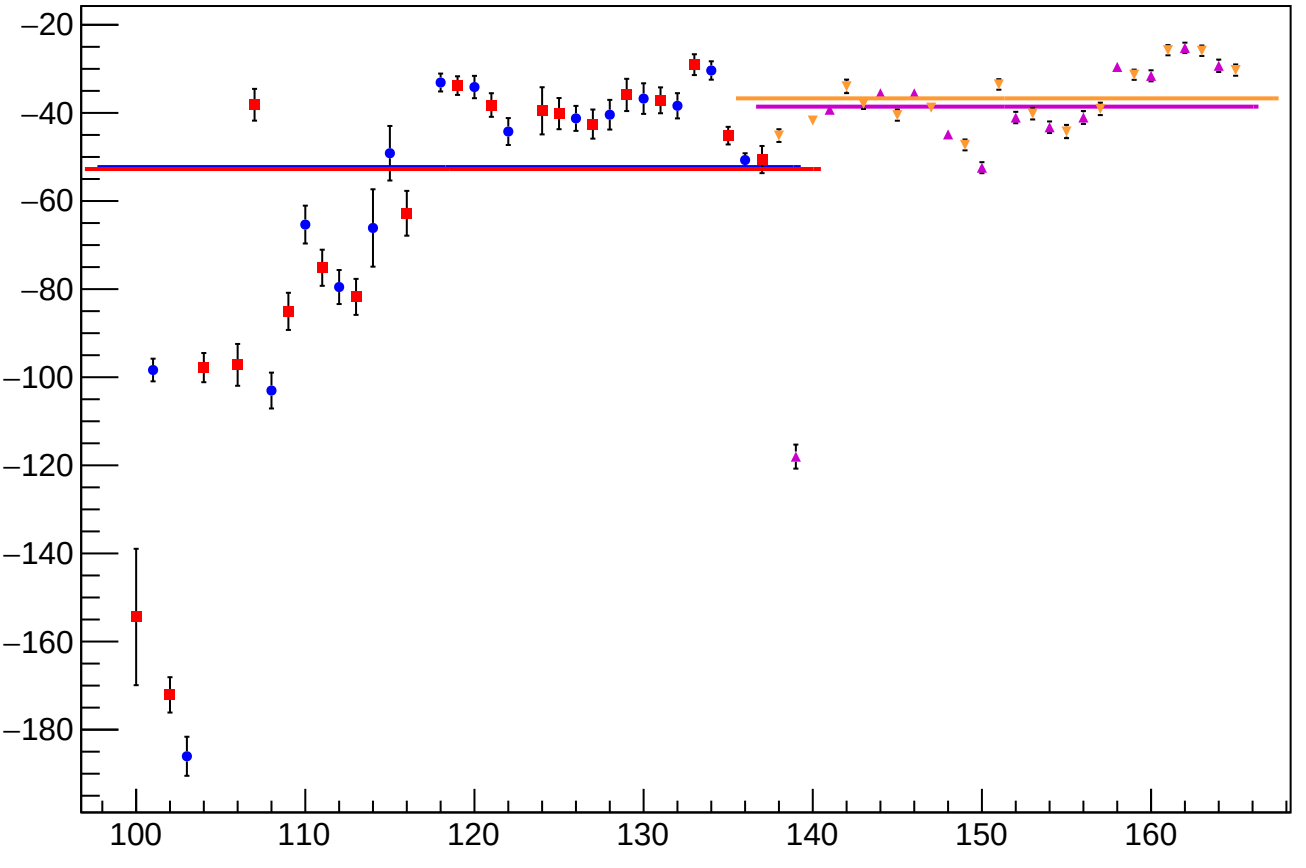
Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.606+/-0.006 χ^2/NDF:953.7/28

Out: 0.600+/-0.006 χ^2/NDF:1375.1/33

All: 0.603+/-0.004 χ^2/NDF: 2329.2/62


reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -19.935+/-0.695 χ²/NDF: 120.6/15
Left Out: -34.741+/-0.454 χ²/NDF:228.8/14
Right Out: -21.746+/-0.714 χ²/NDF: 388.3/18
Left In: -33.301+/-0.488 χ²/NDF:331.8/12
Left: -34.072+/-0.333 χ²/NDF: 565.3/27
Right: -20.816+/-0.498 χ²/NDF: 512.2/34
In: -28.884+/-0.399 χ²/NDF:700.1/28
Out: -30.994+/-0.383 χ²/NDF:853.1/33
All: -29.982+/-0.277 χ²/NDF: 1567.8/62



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.696+/-0.321 χ^2/NDF:406.8/14

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -38.576+/-0.345 χ^2/NDF:1312.5/12

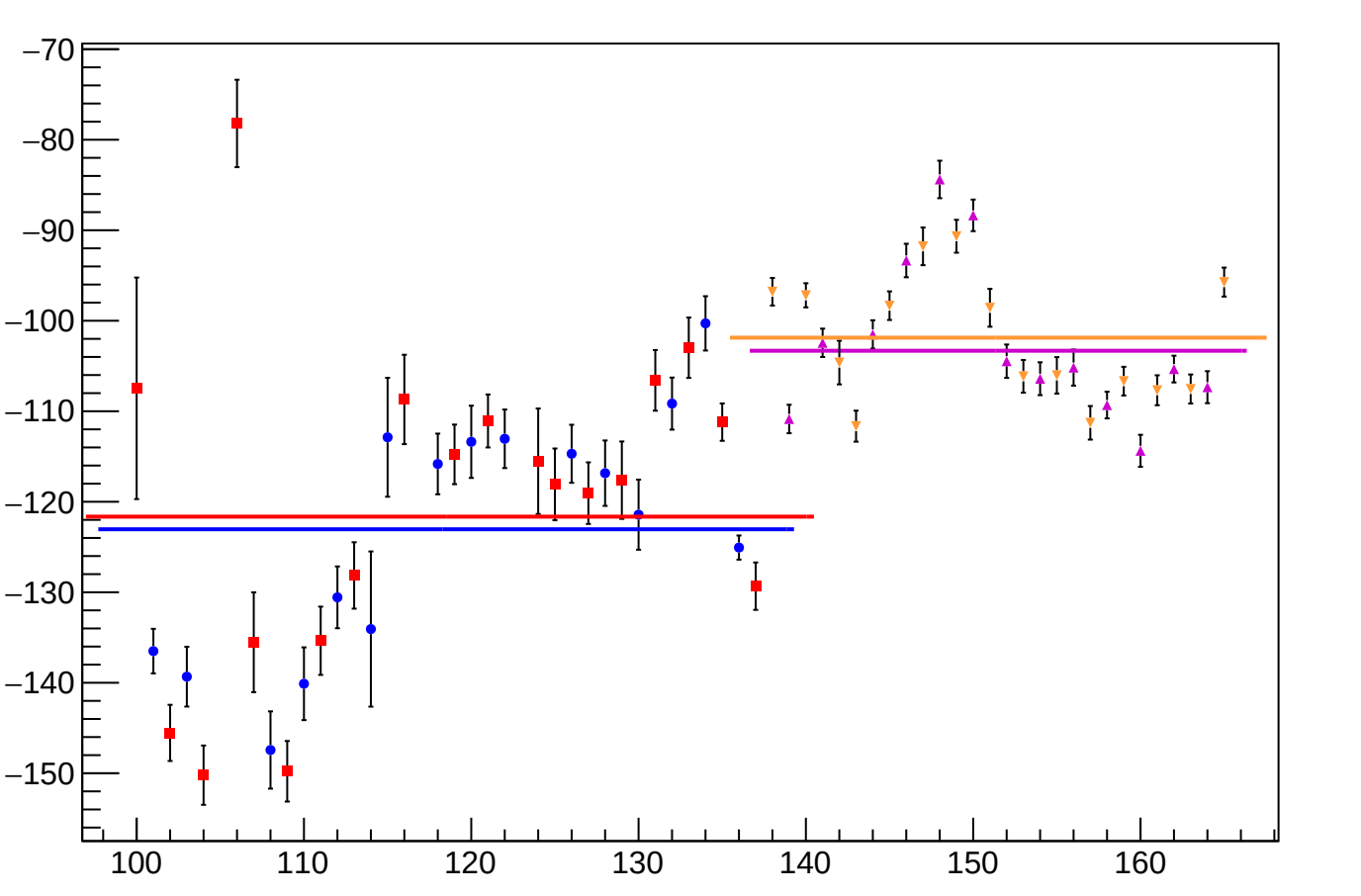
Left: -37.568+/-0.235 χ^2/NDF: 1735.1/27

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -41.211+/-0.310 χ^2/NDF:3394.0/28

Out: -39.192+/-0.295 χ^2/NDF:2457.4/33

All: -40.151+/-0.214 χ^2/NDF: 5873.6/62



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.870+/-0.445 χ^2/NDF:210.7/14

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -103.314+/-0.472 χ^2/NDF:277.7/12

Left: -102.548+/-0.324 χ^2/NDF: 493.4/27

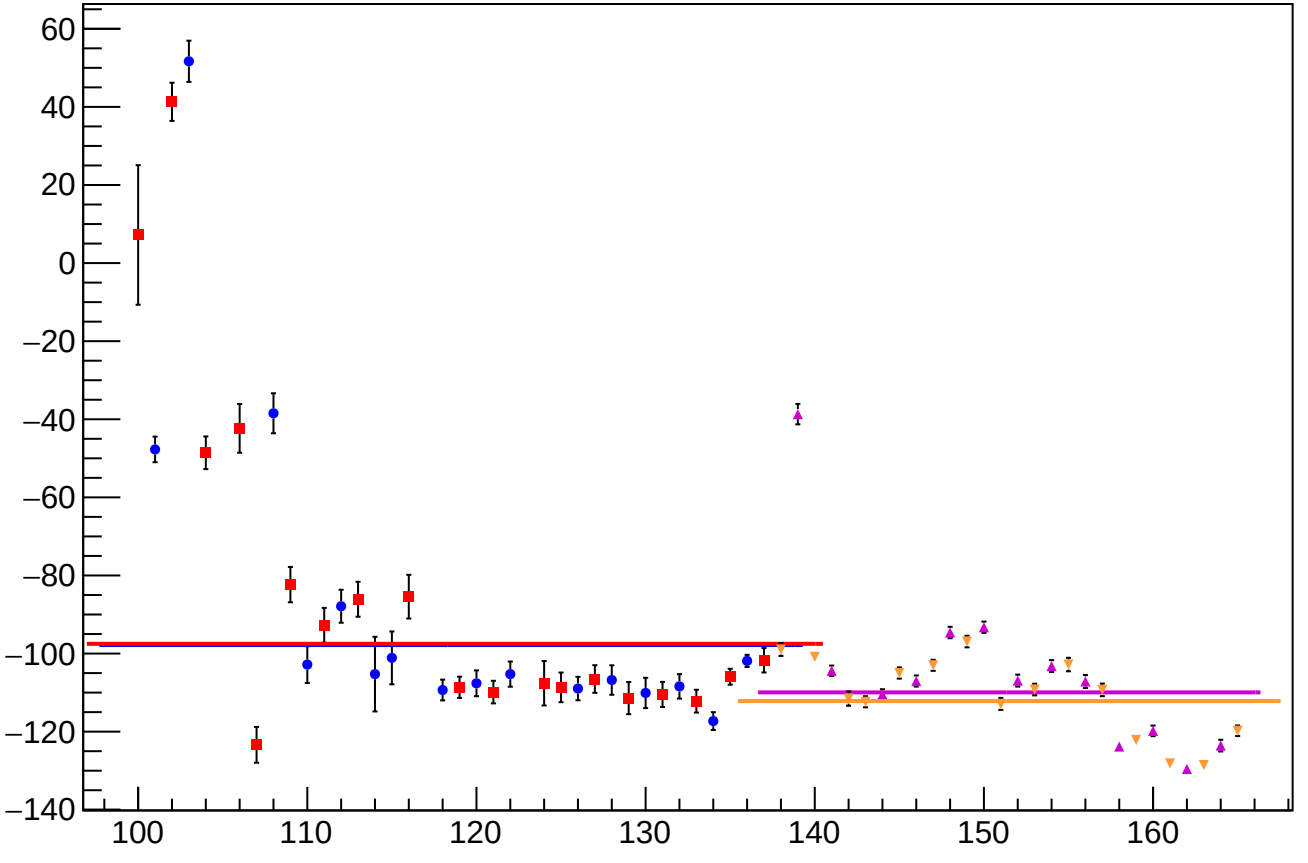
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -108.916+/-0.400 χ^2/NDF:999.8/28

Out: -106.528+/-0.389 χ^2/NDF:1101.0/33

All: -107.689+/-0.279 χ^2/NDF: 2119.1/62

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.162+/-0.370 χ^2/NDF:786.9/14

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -109.944+/-0.396 χ^2/NDF:1572.2/12

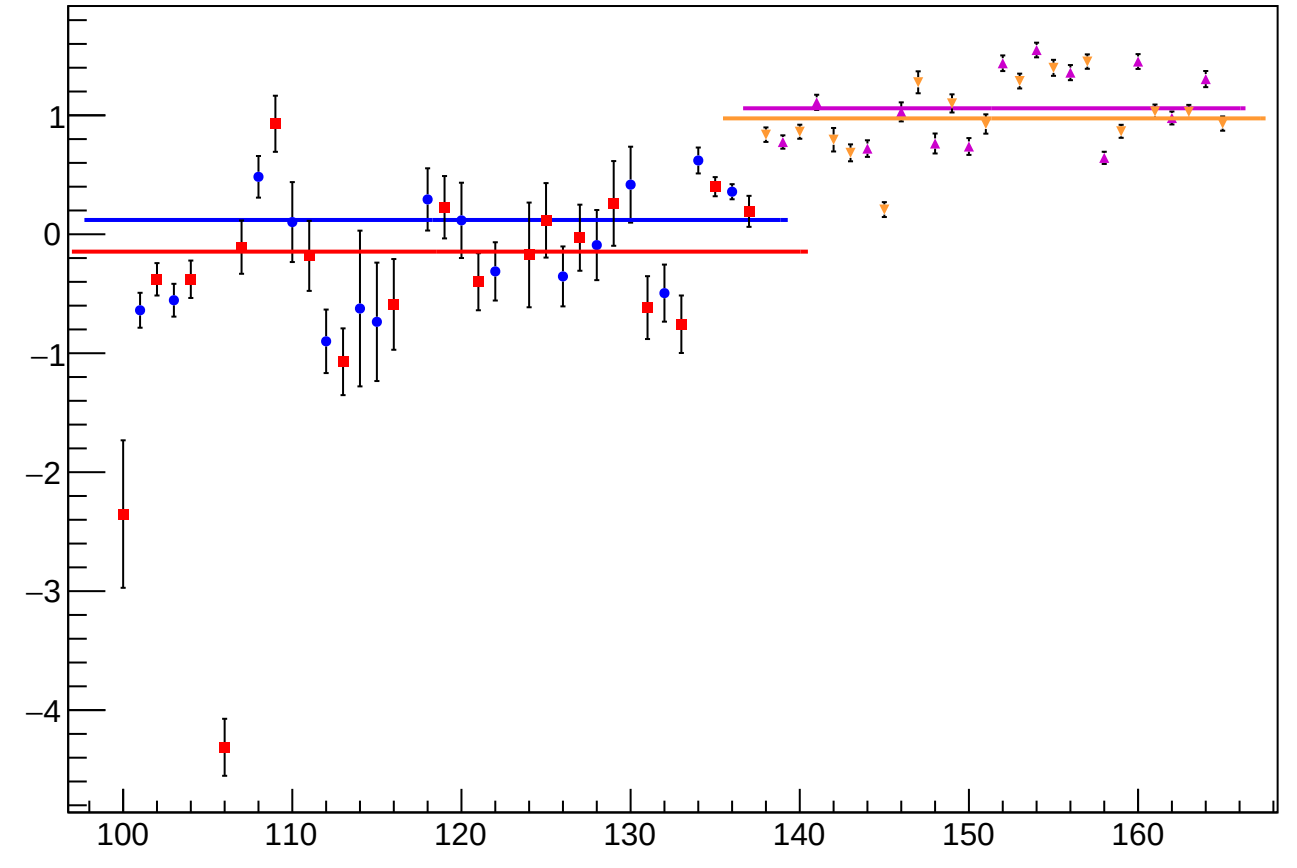
Left: -111.128+/-0.271 χ^2/NDF: 2375.8/27

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -107.522+/-0.354 χ^2/NDF:3090.2/28

Out: -109.790+/-0.339 χ^2/NDF:2277.0/33

All: -108.707+/-0.245 χ^2/NDF: 5388.6/62



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.974+/-0.017 χ^2/NDF:325.9/14

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.059+/-0.018 χ^2/NDF:322.3/12

Left: 1.015+/-0.012 χ^2/NDF: 660.2/27

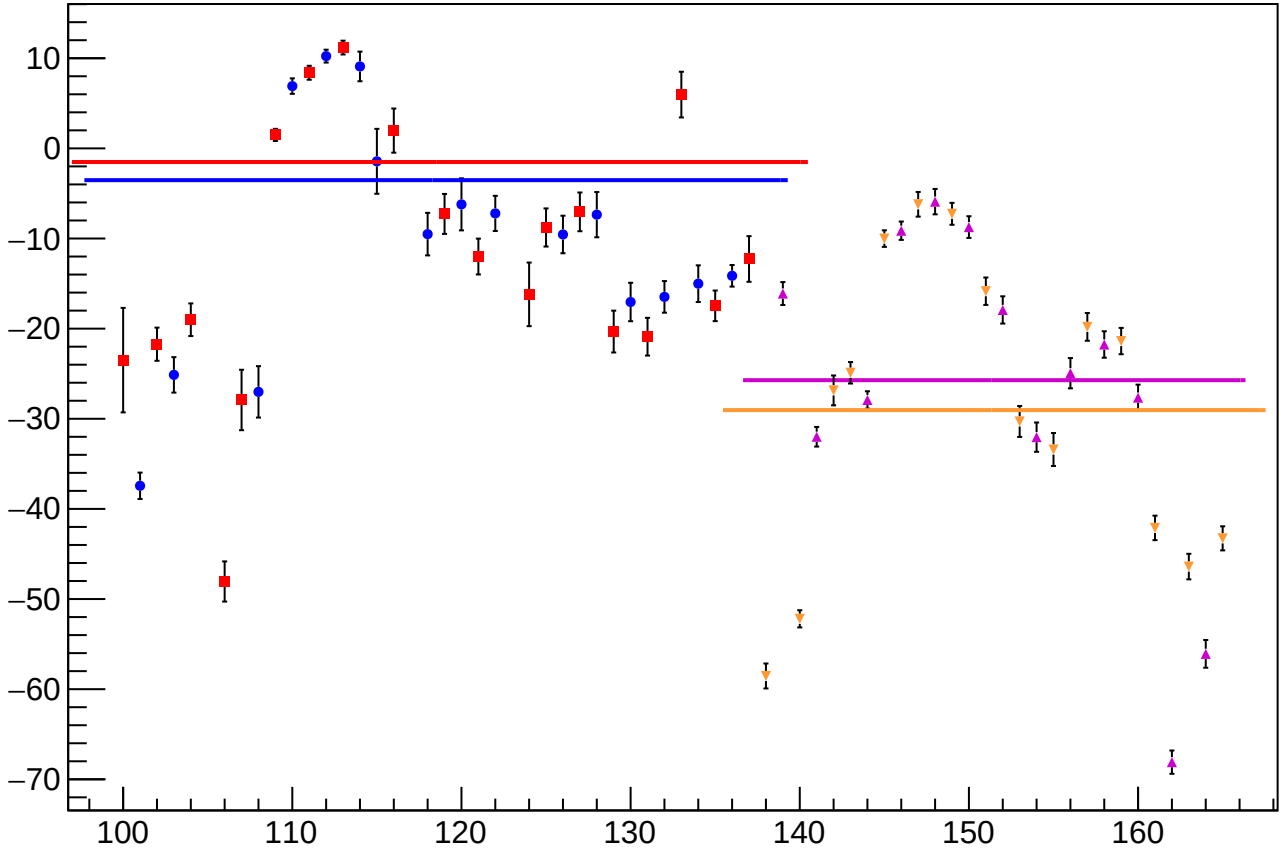
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.913+/-0.016 χ^2/NDF:884.2/28

Out: 0.835+/-0.016 χ^2/NDF:1292.5/33

All: 0.873+/-0.011 χ^2/NDF: 2188.4/62

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: -29.039+/-0.340 χ^2/NDF:2585.9/14

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -25.719+/-0.357 χ^2/NDF:2272.7/12

Left: -27.461+/-0.246 χ^2/NDF: 4903.9/27

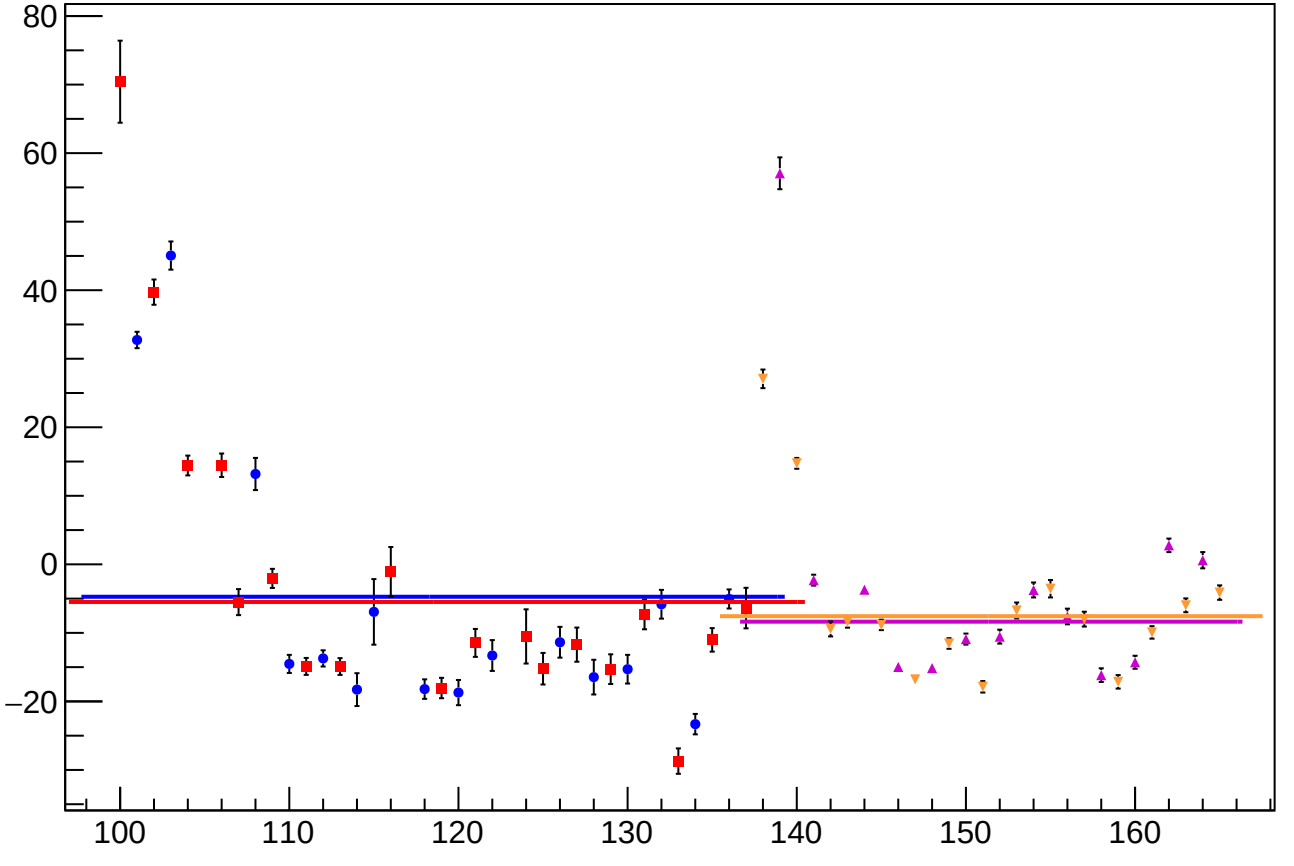
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -15.211+/-0.259 χ^2/NDF:5628.5/28

Out: -15.211+/-0.240 χ^2/NDF:7402.1/33

All: -15.211+/-0.176 χ^2/NDF: 13030.6/62

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: -7.564+/-0.236 χ^2/NDF:1967.2/14

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.365+/-0.245 χ^2/NDF:1428.9/12

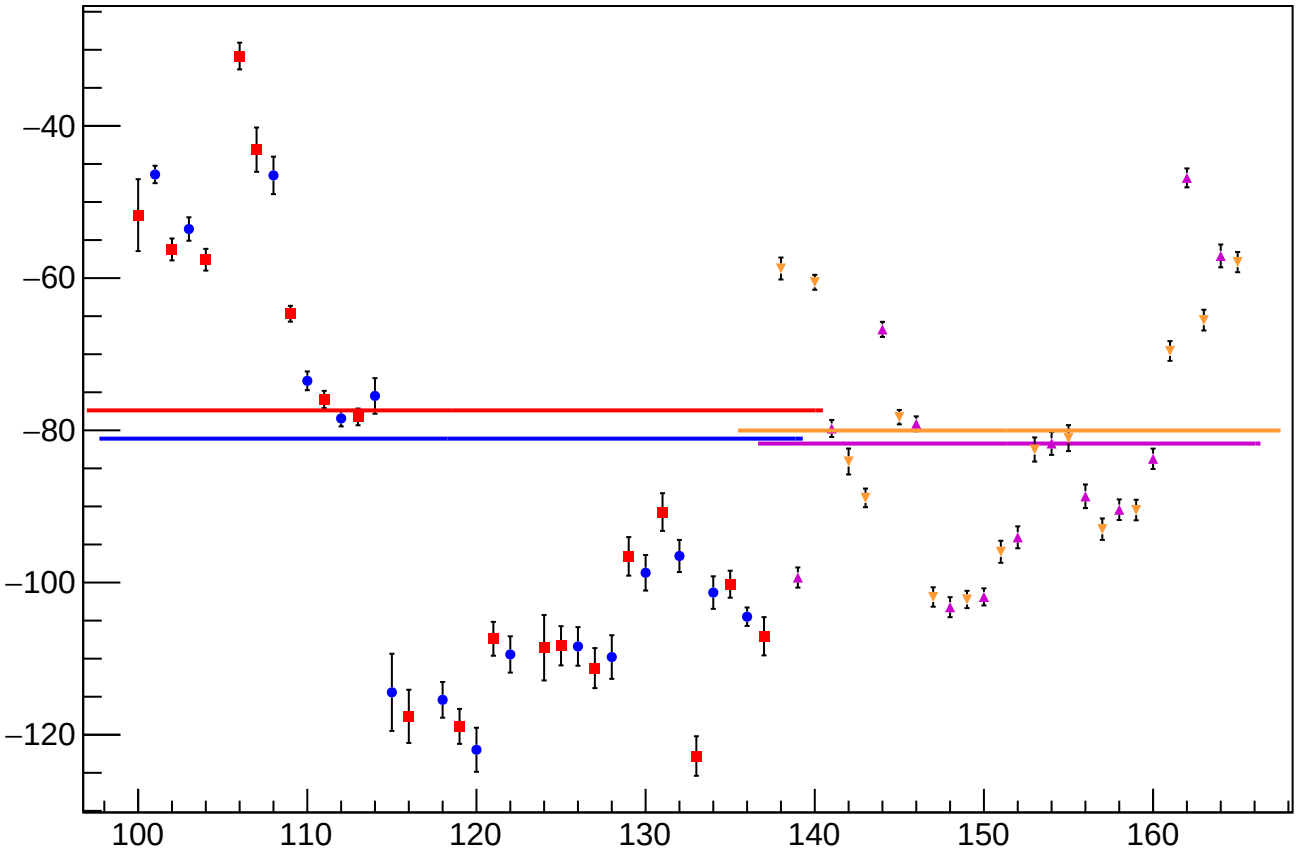
Left: -7.949+/-0.170 χ^2/NDF: 3401.7/27

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.474+/-0.213 χ^2/NDF:3630.6/28

Out: -7.070+/-0.206 χ^2/NDF:3494.2/33

All: -7.265+/-0.148 χ^2/NDF: 7126.6/62



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -80.024+/-0.333 χ^2/NDF:2072.3/14

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -81.737+/-0.347 χ^2/NDF:2198.1/12

Left: -80.847+/-0.240 χ^2/NDF: 4283.1/27

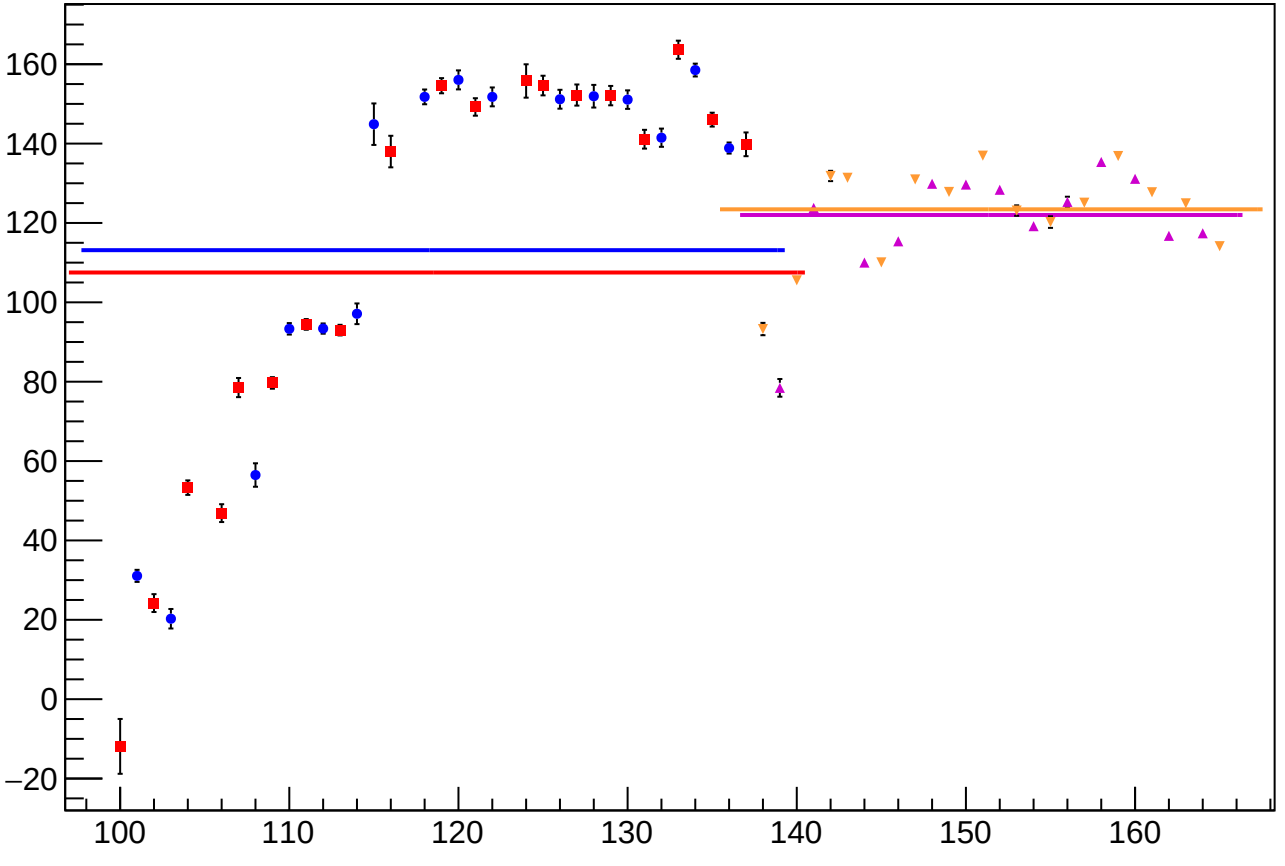
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -81.489+/-0.272 χ^2/NDF:5069.8/28

Out: -78.993+/-0.260 χ^2/NDF:5226.5/33

All: -80.187+/-0.188 χ^2/NDF: 10340.3/62

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: 123.436+/-0.276 χ^2/NDF:1591.0/14

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 122.010+/-0.287 χ^2/NDF:1125.9/12

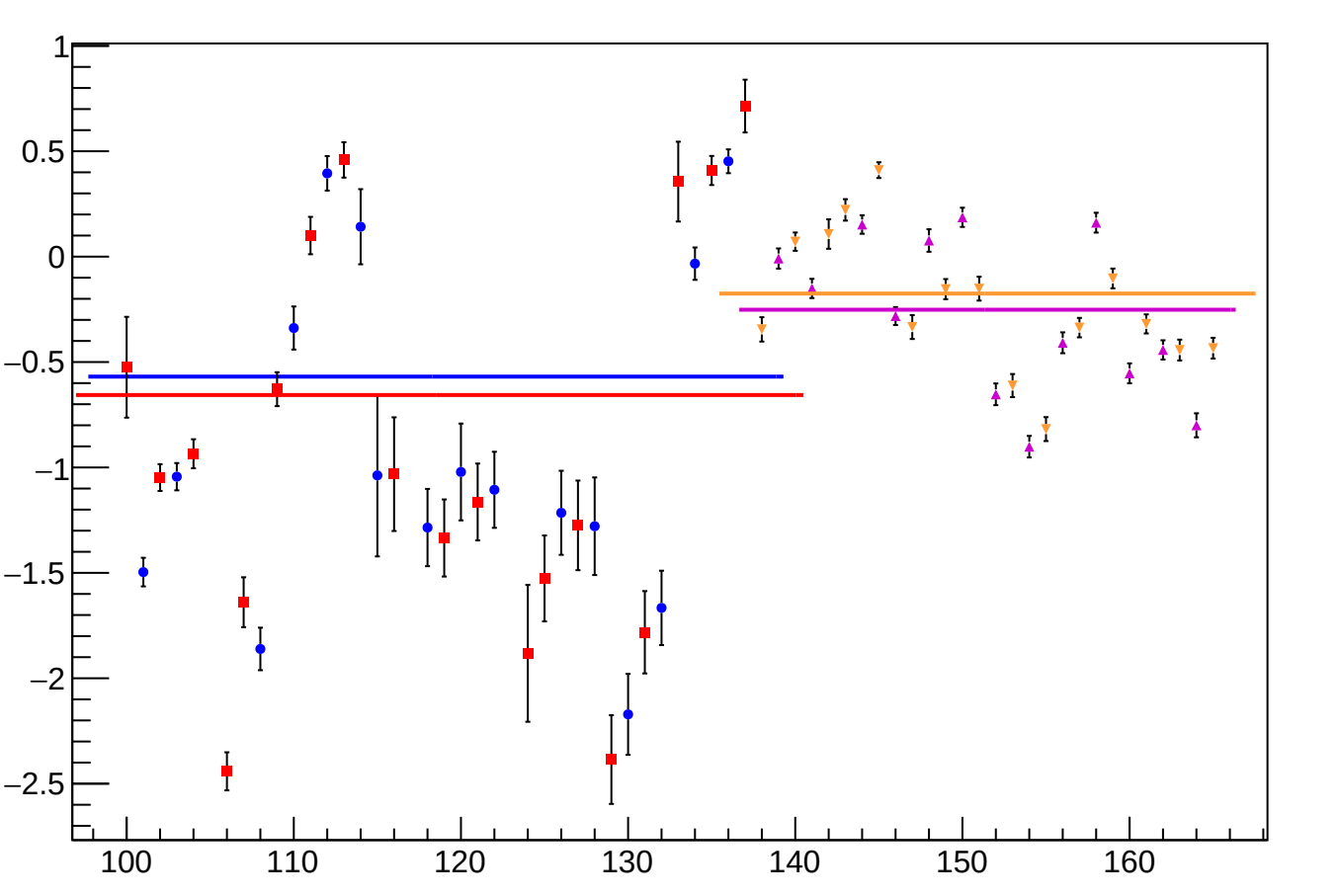
Left: 122.751+/-0.199 χ^2/NDF: 2729.8/27

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 119.736+/-0.248 χ^2/NDF:9574.5/28

Out: 119.475+/-0.239 χ^2/NDF:9963.7/33

All: 119.601+/-0.172 χ^2/NDF: 19538.8/62



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.175+/-0.013 χ^2/NDF:644.8/14

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.252+/-0.013 χ^2/NDF:706.2/12

Left: -0.212+/-0.009 χ^2/NDF: 1368.3/27

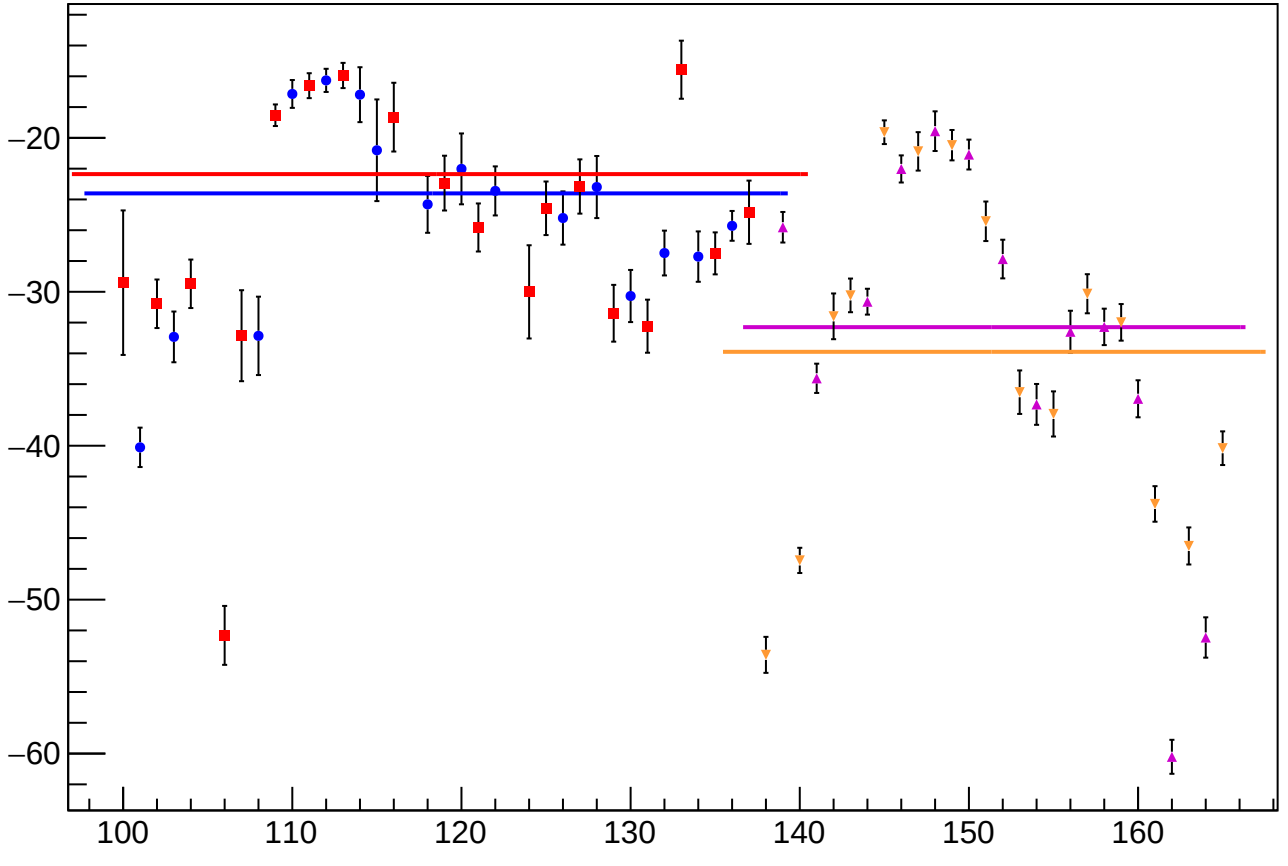
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.318+/-0.012 χ^2/NDF:1923.2/28

Out: -0.274+/-0.011 χ^2/NDF:2249.6/33

All: -0.295+/-0.008 χ^2/NDF: 4180.1/62

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.899+/-0.288 χ^2/NDF:1489.4/14

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -32.297+/-0.301 χ^2/NDF:1343.8/12

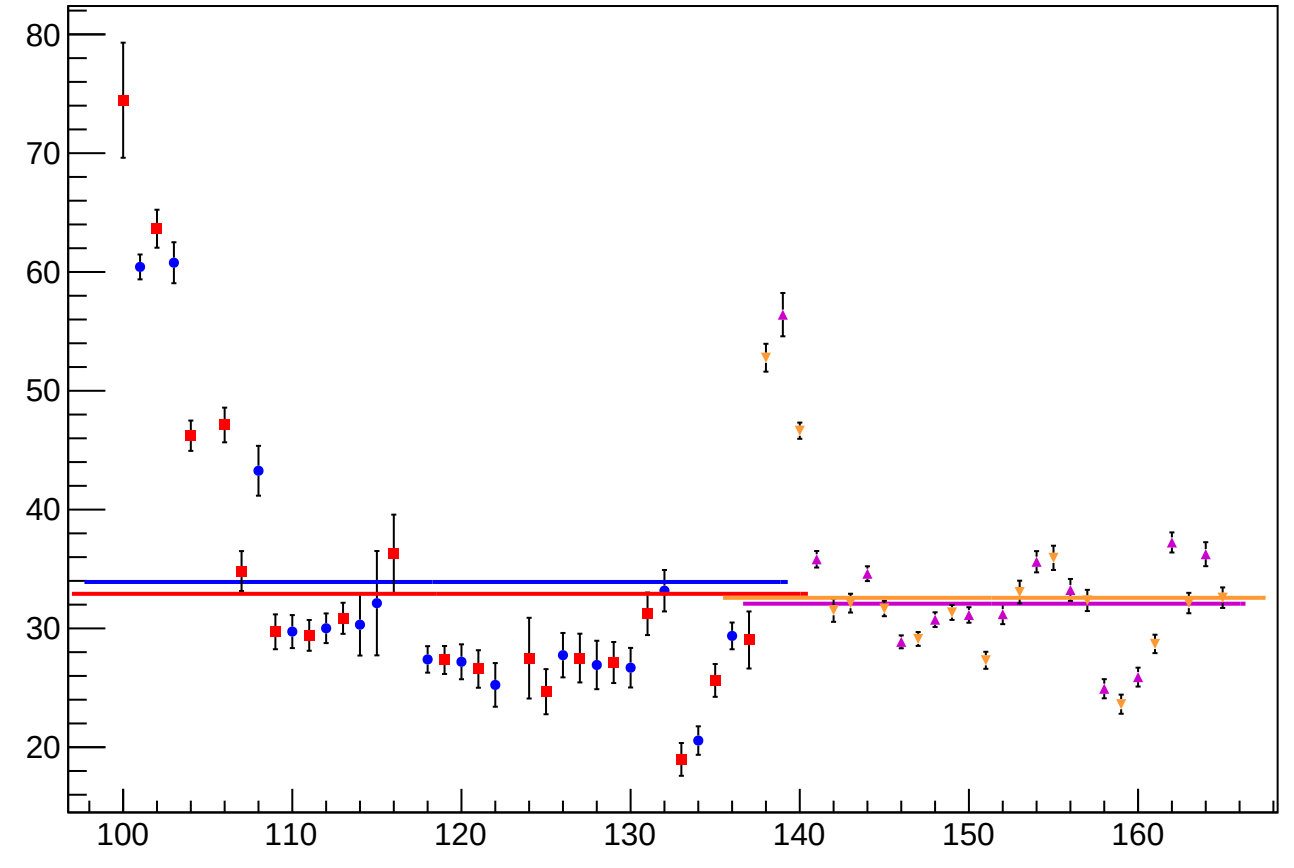
Left: -33.133+/-0.208 χ^2/NDF: 2848.0/27

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -28.581+/-0.228 χ^2/NDF:2106.5/28

Out: -28.760+/-0.215 χ^2/NDF:2755.5/33

All: -28.676+/-0.156 χ^2/NDF: 4862.3/62



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.576+/-0.202 χ^2/NDF:978.5/14

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.080+/-0.210 χ^2/NDF:476.8/12

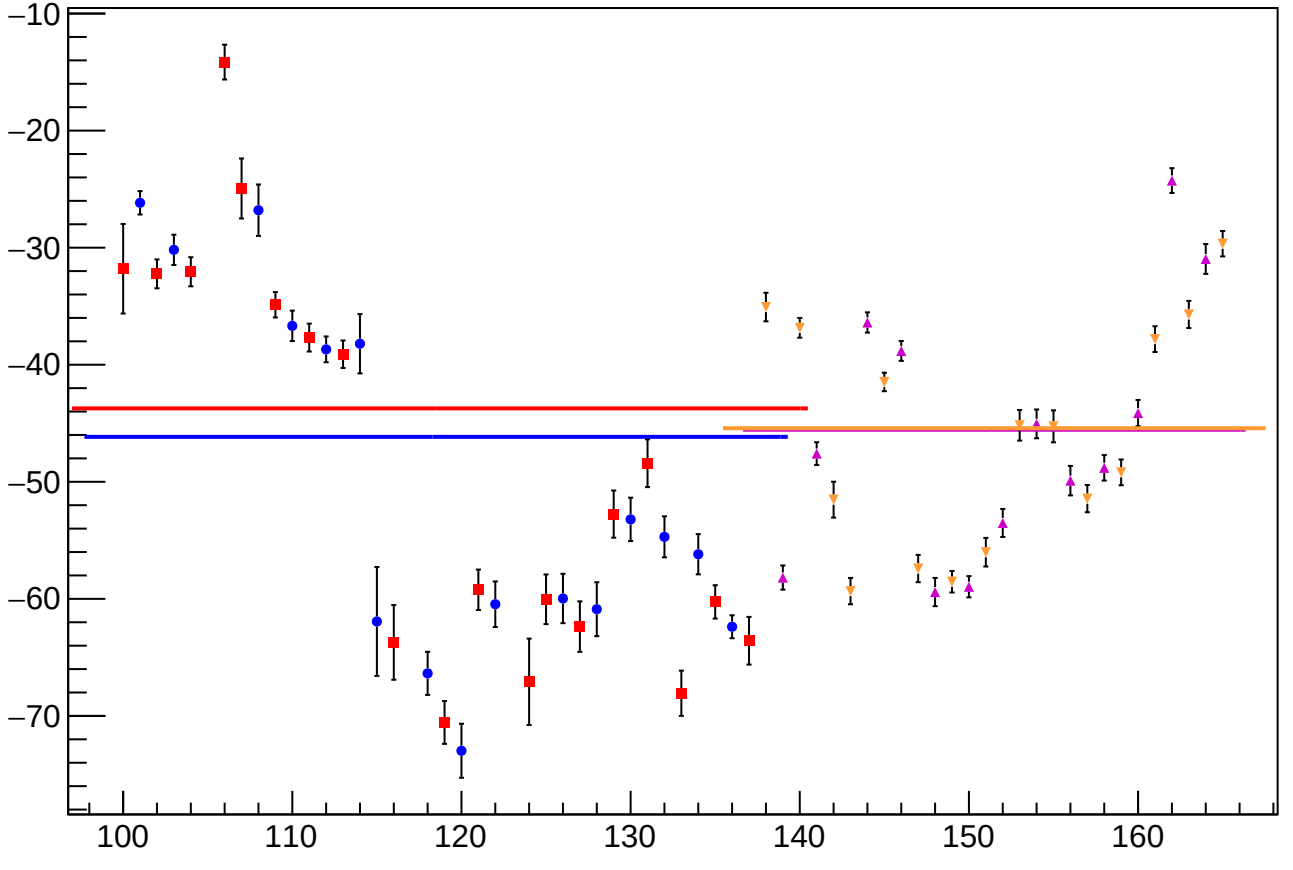
Left: 32.338+/-0.146 χ^2/NDF: 1458.2/27

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.517+/-0.184 χ^2/NDF:1679.3/28

Out: 32.652+/-0.178 χ^2/NDF:1854.0/33

All: 32.587+/-0.128 χ^2/NDF: 3533.7/62



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -45.424+/-0.282 χ^2/NDF:1119.8/14

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -45.553+/-0.292 χ^2/NDF:1279.2/12

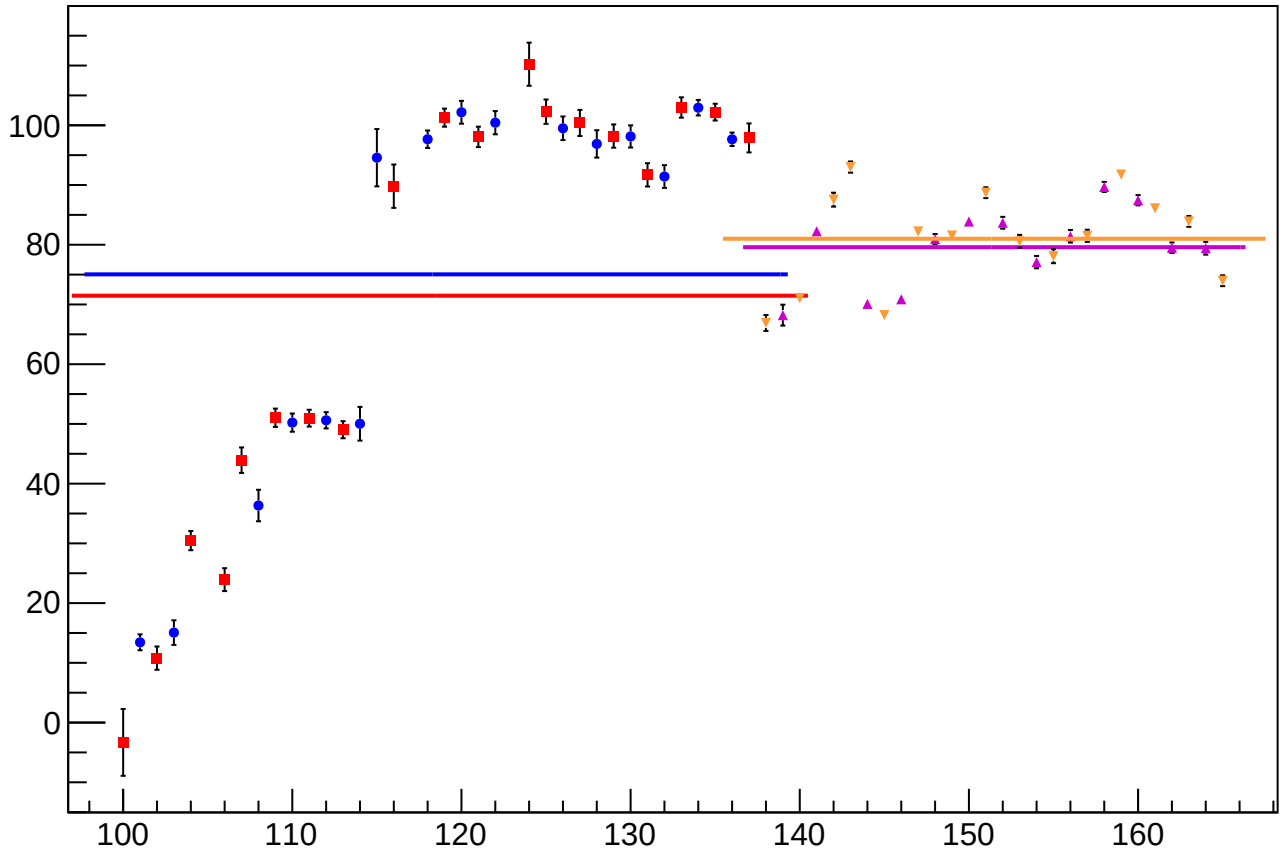
Left: -45.486+/-0.203 χ^2/NDF: 2399.0/27

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -45.771+/-0.234 χ^2/NDF:2770.4/28

Out: -44.819+/-0.226 χ^2/NDF:2796.0/33

All: -45.280+/-0.162 χ^2/NDF: 5575.0/62



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.003+/-0.235 χ^2/NDF:1106.6/14

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 79.594+/-0.244 χ^2/NDF:677.8/12

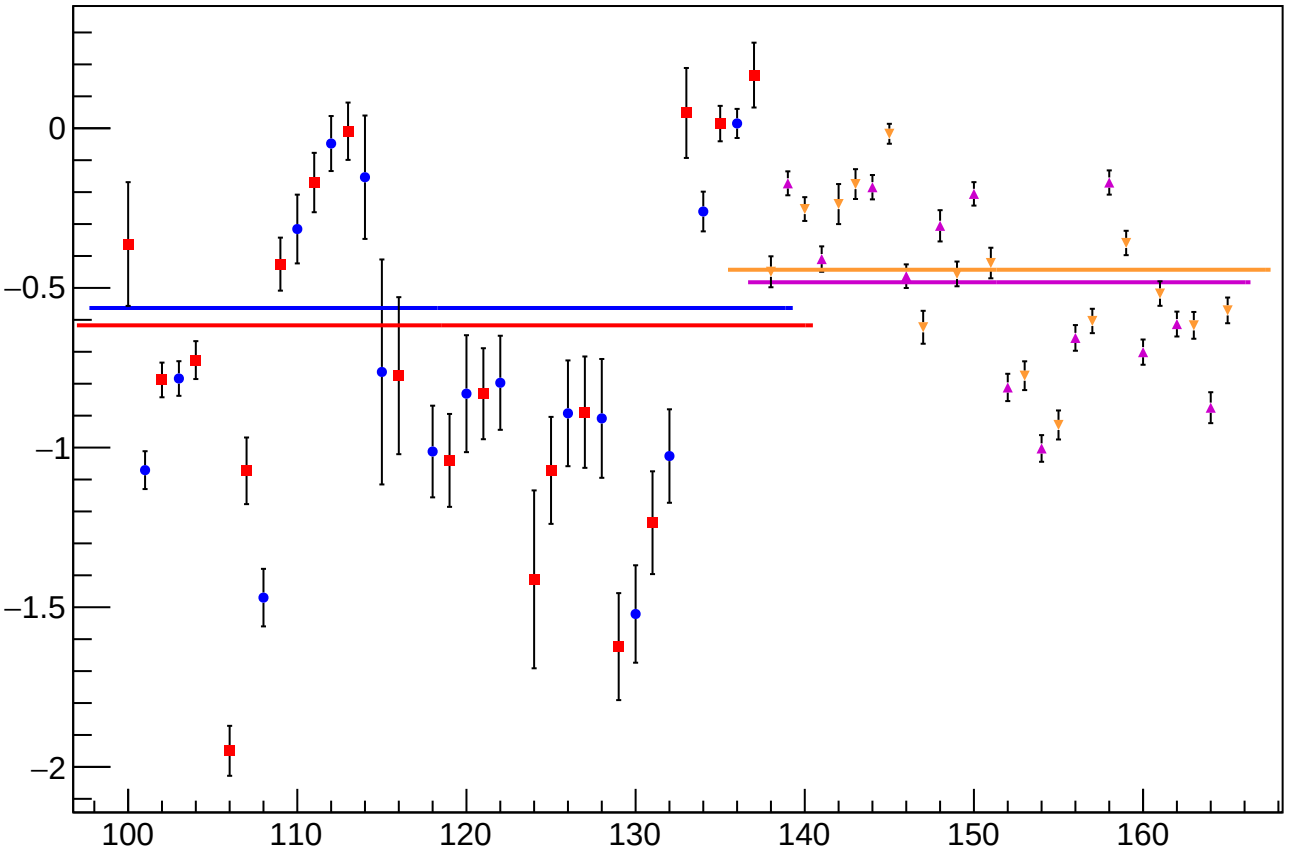
Left: 80.326+/-0.169 χ^2/NDF: 1801.7/27

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

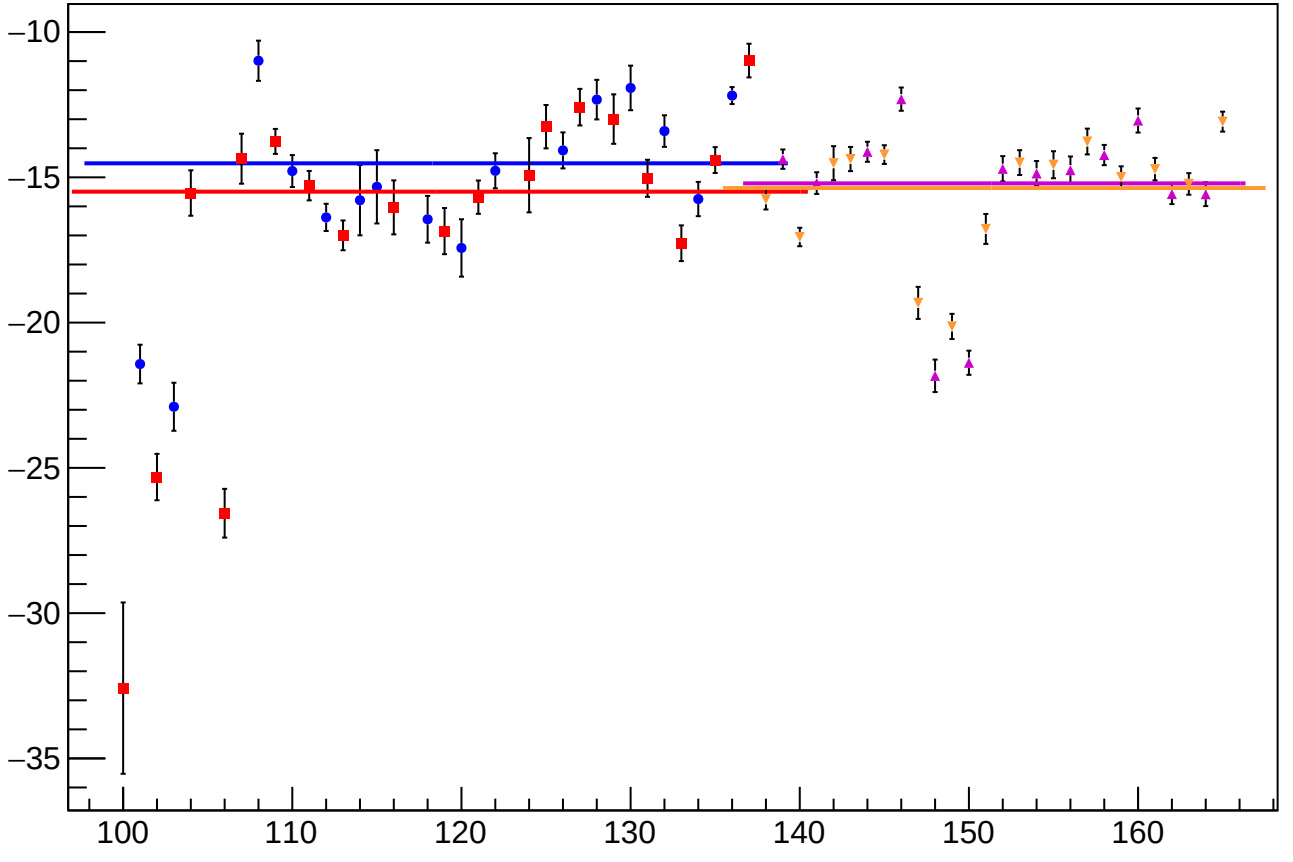
In: 78.474+/-0.212 χ^2/NDF:6591.6/28

Out: 78.779+/-0.206 χ^2/NDF:7119.5/33

All: 78.631+/-0.148 χ^2/NDF: 13712.2/62


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
Right In: -0.563+/-0.022 χ²/NDF: 493.0/15
Left Out: -0.443+/-0.011 χ²/NDF:490.7/14
Right Out: -0.617+/-0.022 χ²/NDF: 690.0/18
Left In: -0.482+/-0.011 χ²/NDF:611.4/12
Left: -0.462+/-0.008 χ²/NDF: 1108.5/27
Right: -0.590+/-0.016 χ²/NDF: 1186.0/34
In: -0.498+/-0.010 χ²/NDF:1115.0/28
Out: -0.476+/-0.010 χ²/NDF:1230.5/33
All: -0.487+/-0.007 χ²/NDF: 2348.0/62

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: -15.369+/-0.103 χ^2/NDF:298.0/14

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.208+/-0.109 χ^2/NDF:469.7/12

Left: -15.293+/-0.075 χ^2/NDF: 768.8/27

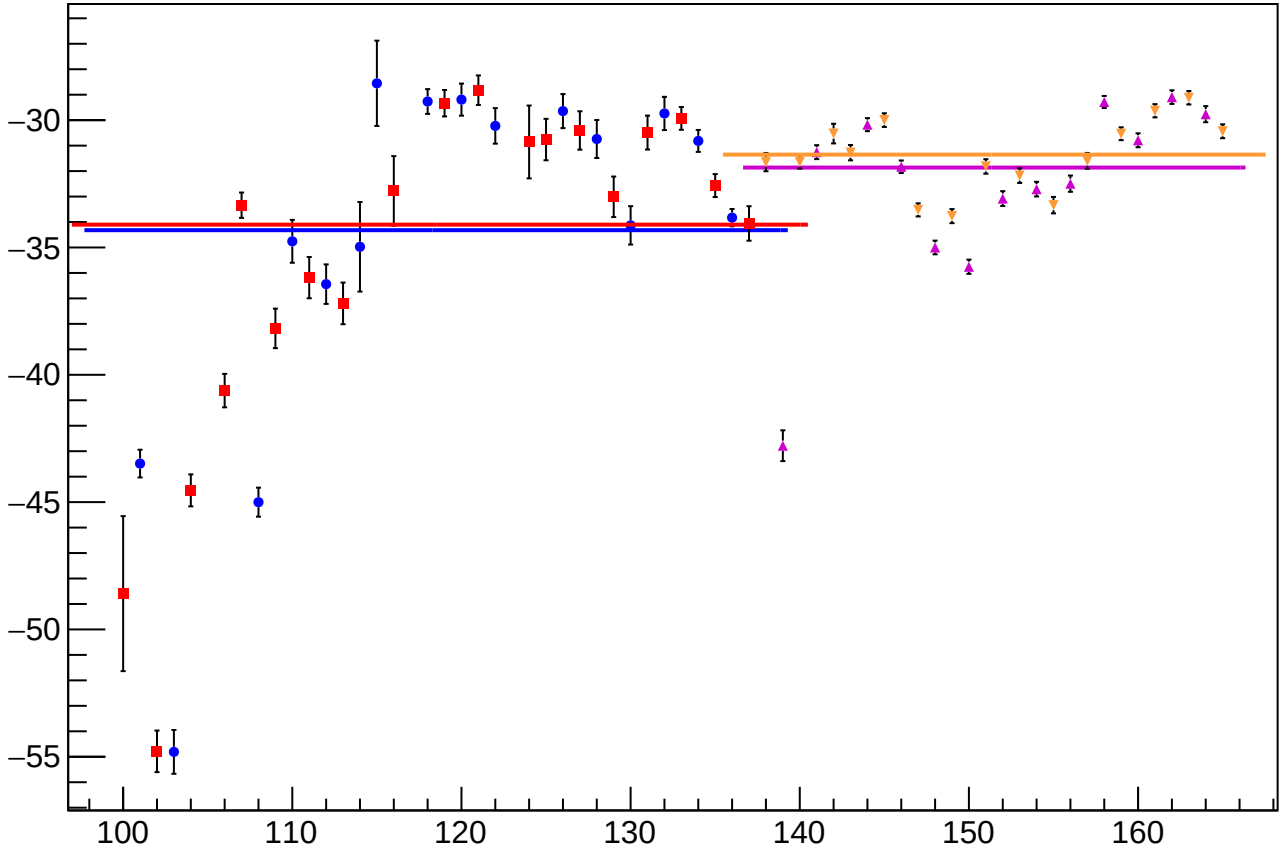
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.967+/-0.088 χ^2/NDF:846.9/28

Out: -15.409+/-0.085 χ^2/NDF:802.3/33

All: -15.196+/-0.061 χ^2/NDF: 1662.2/62

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: -31.353+/-0.074 χ^2/NDF:365.2/14

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.861+/-0.078 χ^2/NDF:1019.8/12

Left: -31.592+/-0.054 χ^2/NDF: 1407.3/27

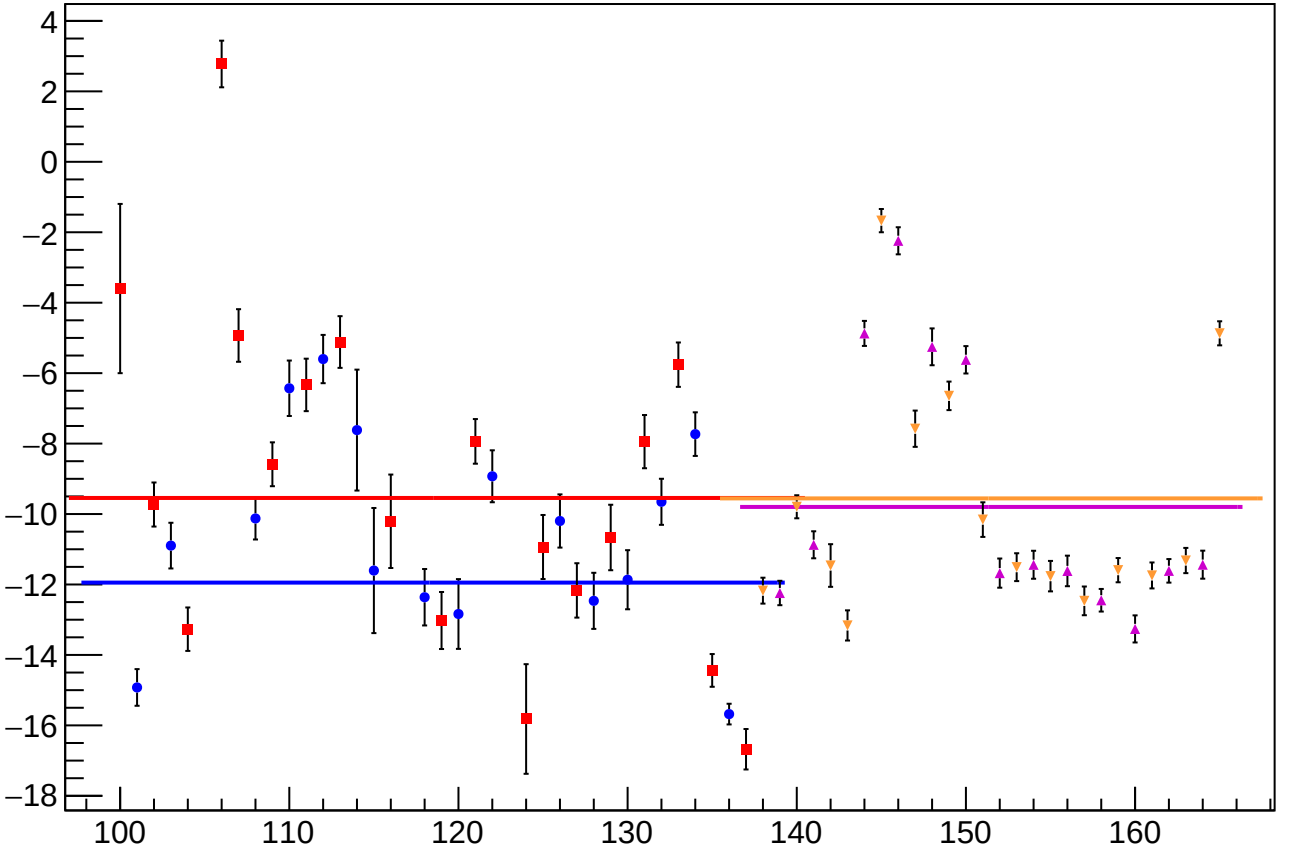
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.370+/-0.070 χ^2/NDF:2844.5/28

Out: -31.865+/-0.066 χ^2/NDF:2059.2/33

All: -32.106+/-0.048 χ^2/NDF: 4931.2/62

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: -9.556+/-0.101 χ^2/NDF:1155.2/14

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.798+/-0.106 χ^2/NDF:1077.7/12

Left: -9.671+/-0.073 χ^2/NDF: 2235.7/27

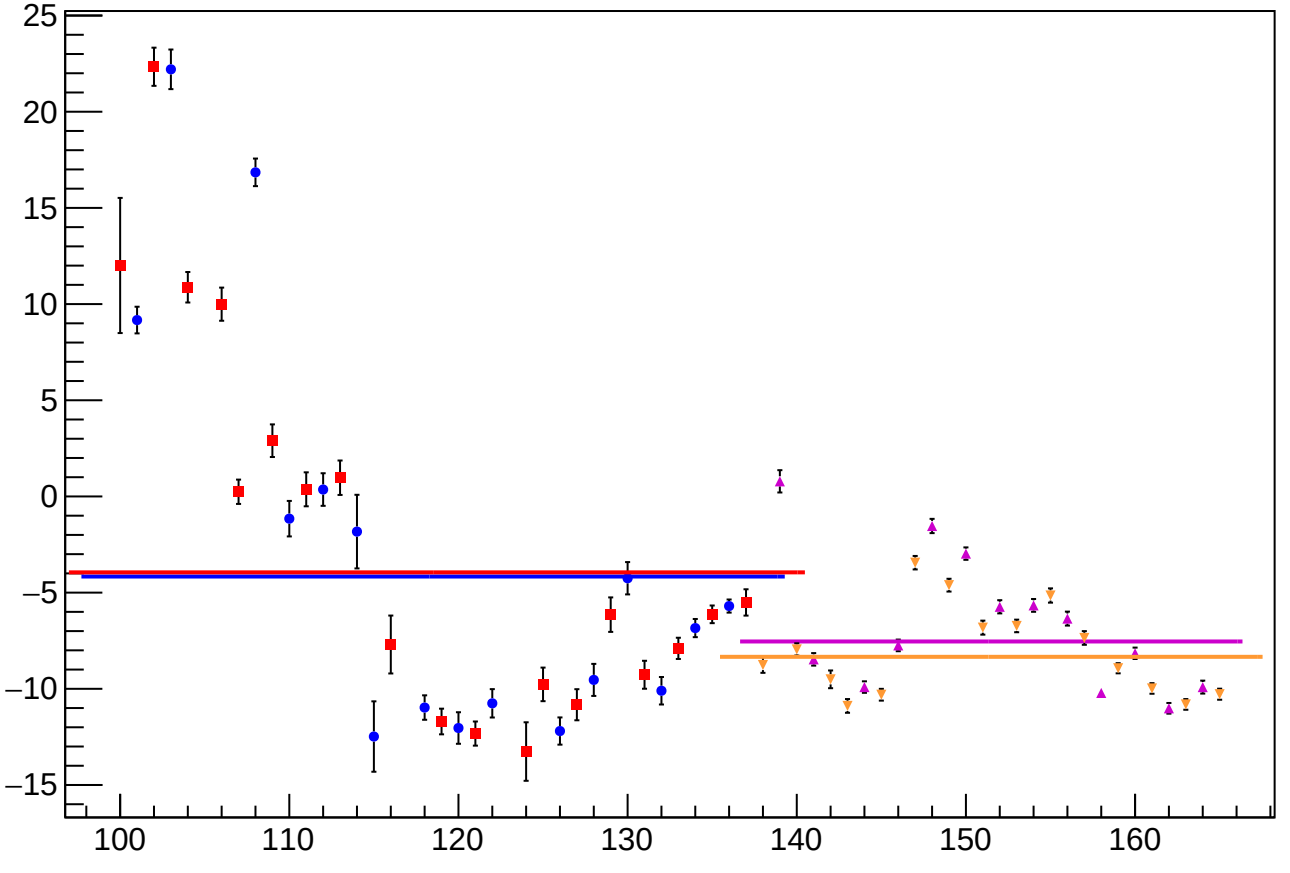
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.451+/-0.088 χ^2/NDF:1632.9/28

Out: -9.553+/-0.086 χ^2/NDF:2002.4/33

All: -9.991+/-0.062 χ^2/NDF: 3688.4/62

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.337+/-0.084 χ^2/NDF:710.2/14

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.540+/-0.089 χ^2/NDF:1135.9/12

Left: -7.961+/-0.061 χ^2/NDF: 1888.4/27

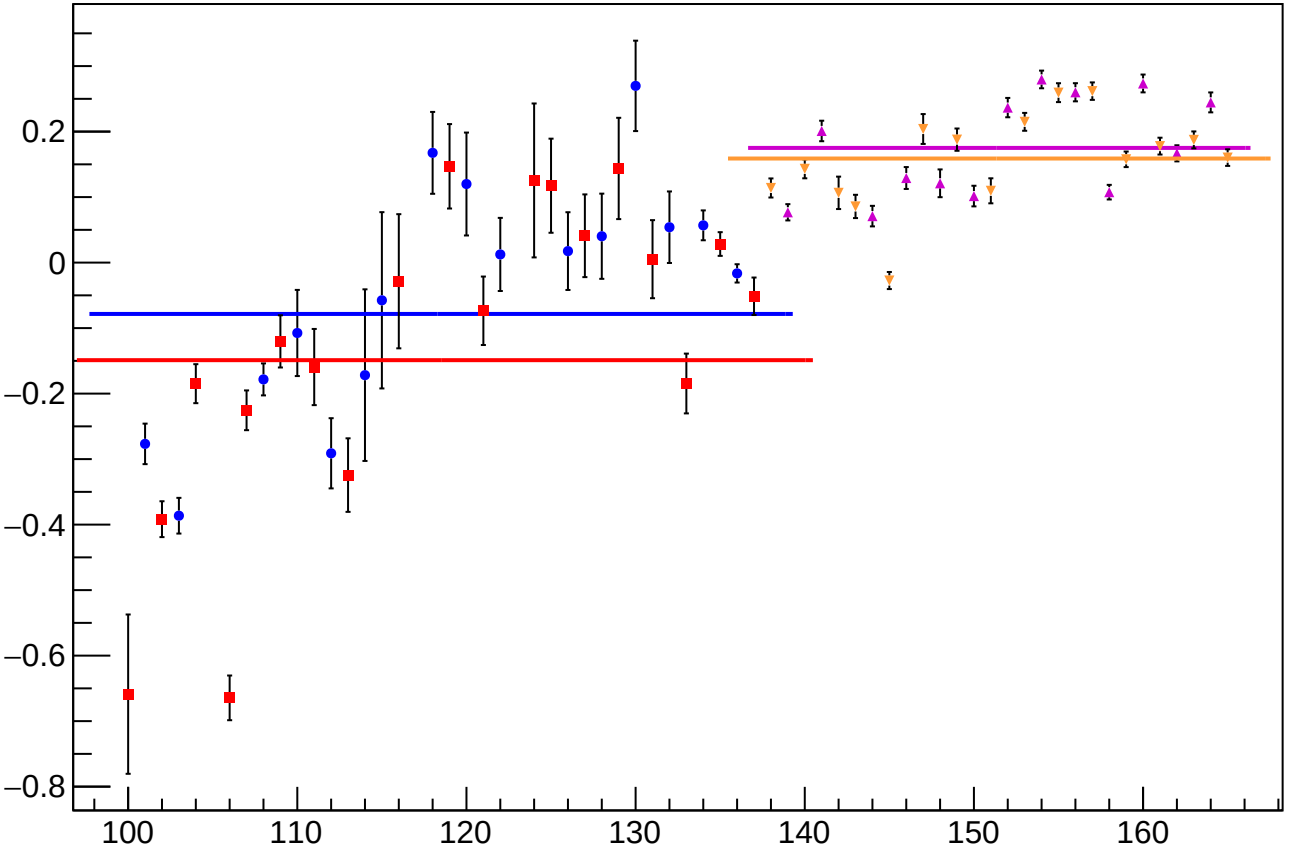
Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.824+/-0.079 χ^2/NDF:3964.8/28

Out: -7.519+/-0.076 χ^2/NDF:3326.6/33

All: -7.185+/-0.055 χ^2/NDF: 7331.5/62

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.159+/-0.004 χ^2/NDF:381.7/14

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.175+/-0.004 χ^2/NDF:370.5/12

Left: 0.167+/-0.003 χ^2/NDF: 761.0/27

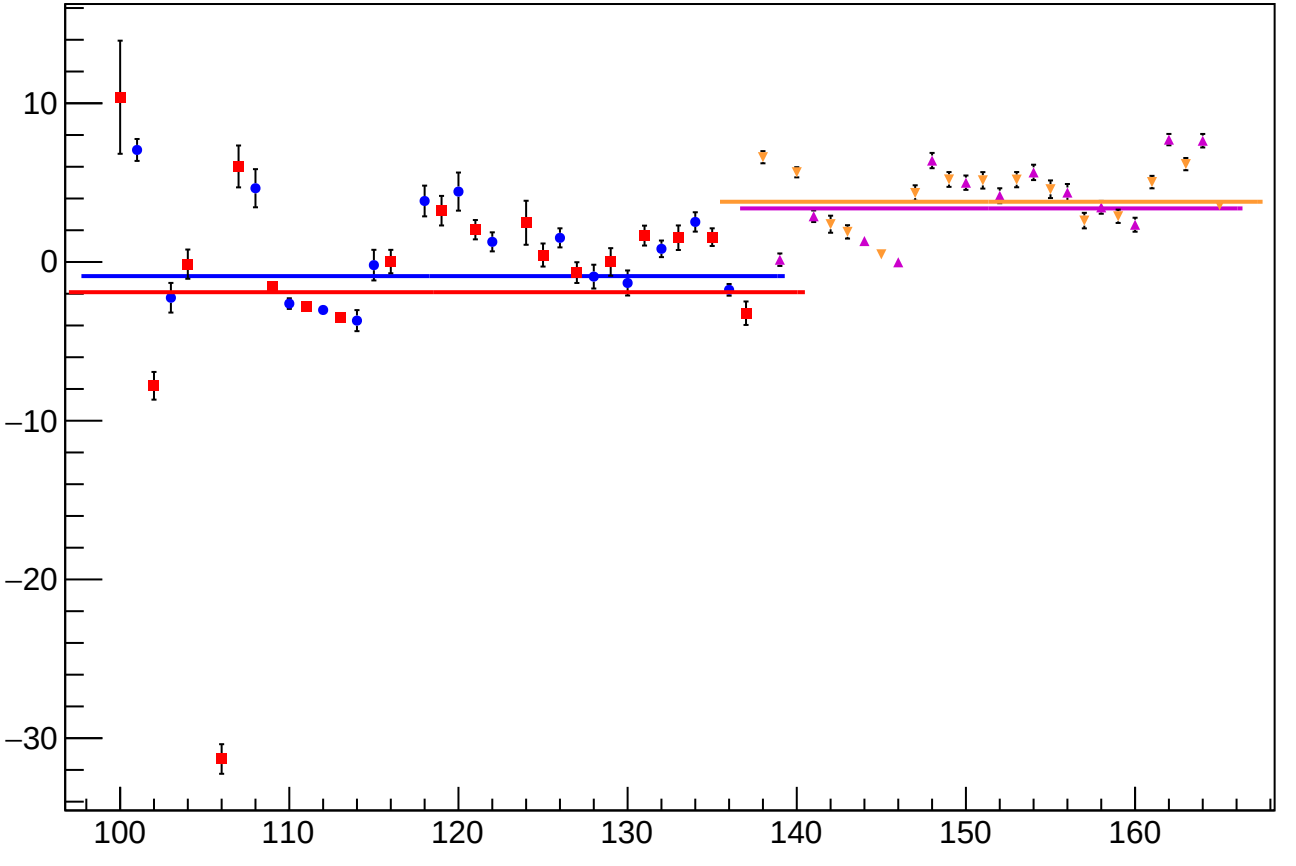
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.131+/-0.004 χ^2/NDF:1410.9/28

Out: 0.113+/-0.004 χ^2/NDF:1886.2/33

All: 0.122+/-0.003 χ^2/NDF: 3309.4/62

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.796+/-0.102 χ^2/NDF:384.0/14

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.375+/-0.109 χ^2/NDF:586.7/12

Left: 3.599+/-0.074 χ^2/NDF: 978.7/27

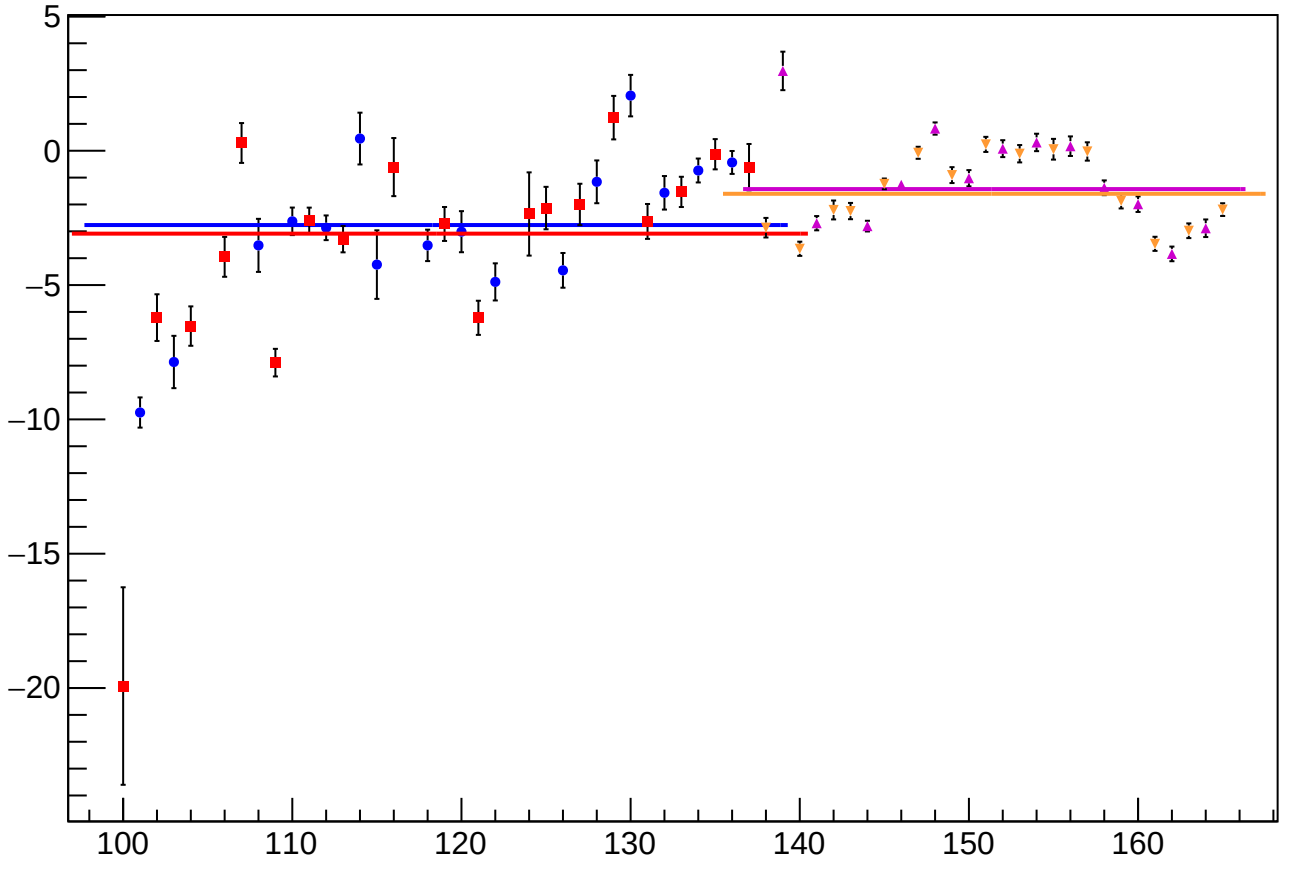
Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.723+/-0.085 χ^2/NDF:1564.1/28

Out: 1.591+/-0.080 χ^2/NDF:2924.3/33

All: 1.653+/-0.058 χ^2/NDF: 4489.6/62

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.603+/-0.072 χ^2/NDF:321.0/14

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.427+/-0.075 χ^2/NDF:381.1/12

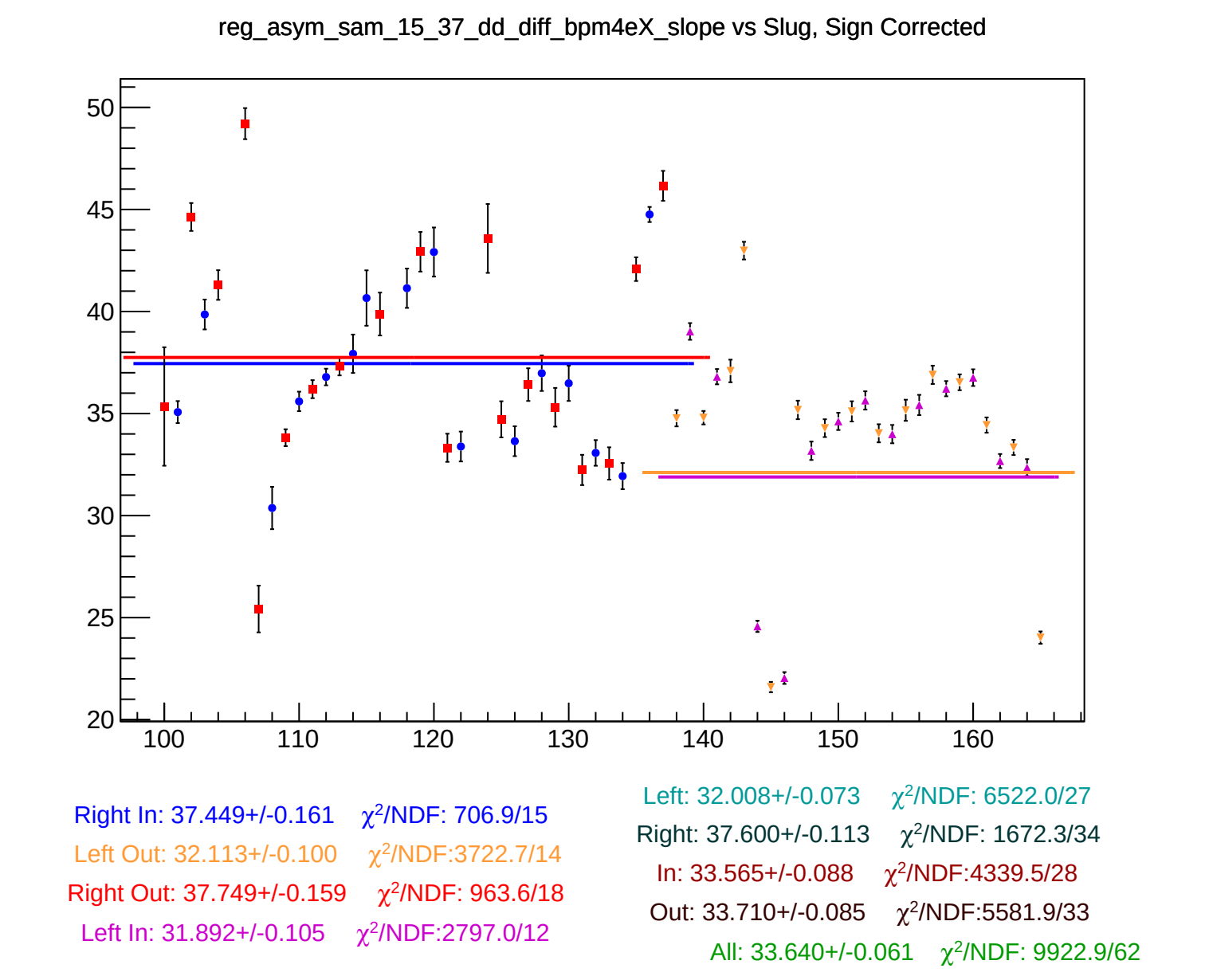
Left: -1.518+/-0.052 χ^2/NDF: 704.9/27

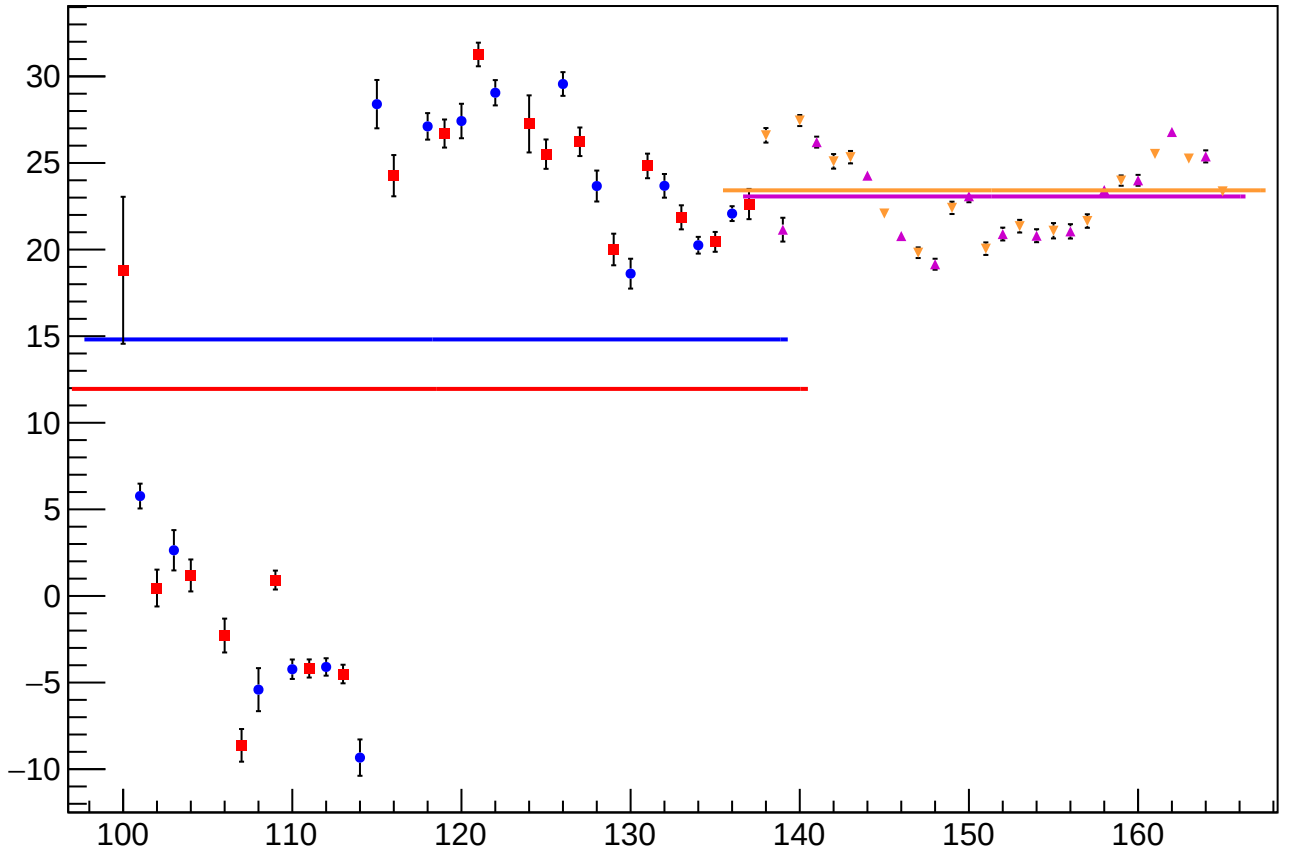
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.677+/-0.068 χ^2/NDF:750.9/28

Out: -1.859+/-0.066 χ^2/NDF:666.7/33

All: -1.771+/-0.047 χ^2/NDF: 1421.4/62


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
100
110
120
130
140
150
160
Right In: 37.449+/-0.161 χ2/NDF: 706.9/15
Left Out: 32.113+/-0.100 χ2/NDF:3722.7/14
Right Out: 37.749+/-0.159 χ2/NDF: 963.6/18
Left In: 31.892+/-0.105 χ2/NDF:2797.0/12
Left: 32.008+/-0.073 χ2/NDF: 6522.0/27
Right: 37.600+/-0.113 χ2/NDF: 1672.3/34
In: 33.565+/-0.088 χ2/NDF:4339.5/28
Out: 33.710+/-0.085 χ2/NDF:5581.9/33
All: 33.640+/-0.061 χ2/NDF: 9922.9/62



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.421+/-0.083 χ^2/NDF:707.5/14

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.067+/-0.087 χ^2/NDF:710.8/12

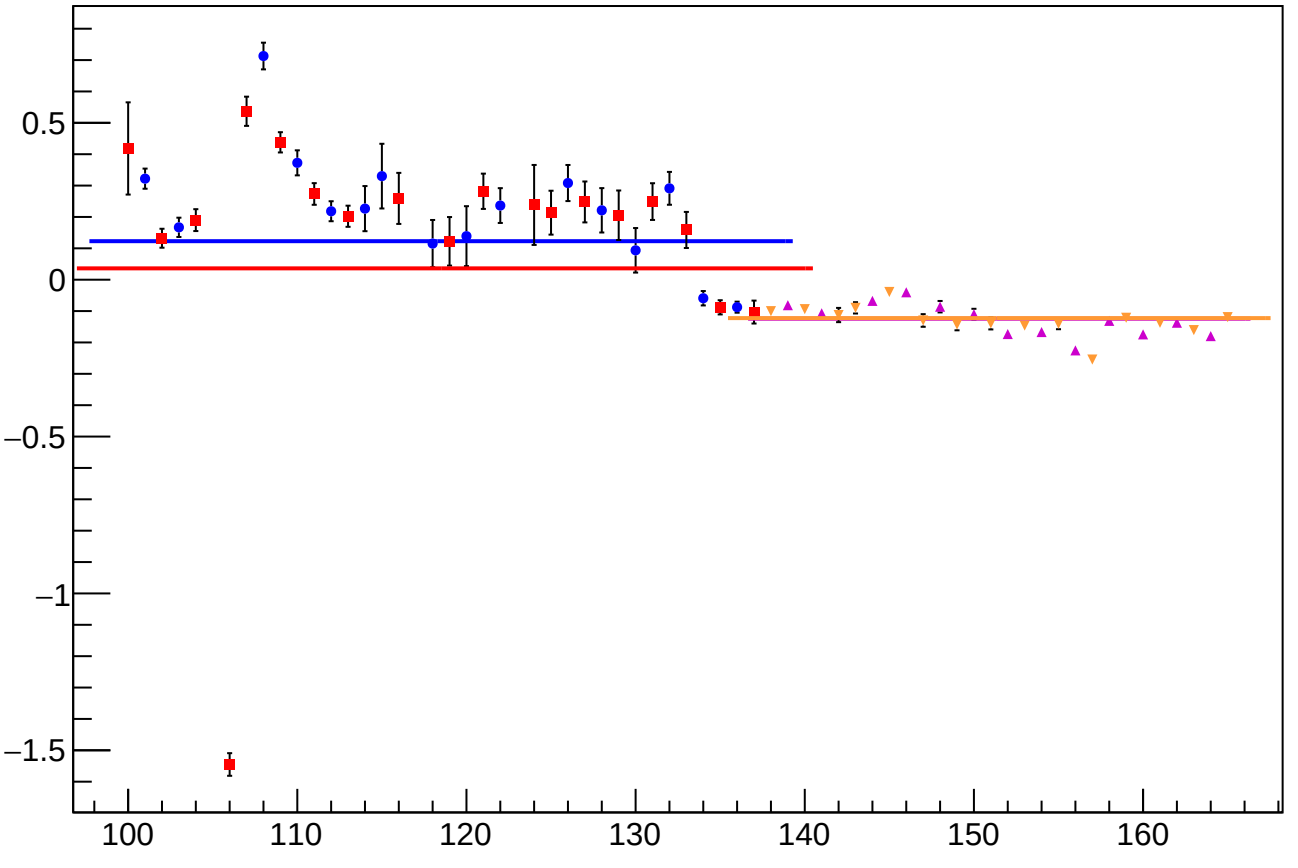
Left: 23.252+/-0.060 χ^2/NDF: 1427.0/27

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.409+/-0.078 χ^2/NDF:8198.5/28

Out: 21.350+/-0.075 χ^2/NDF:10258.2/33

All: 21.379+/-0.054 χ^2/NDF: 18457.0/62



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.004 χ^2/NDF:174.6/14

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.124+/-0.004 χ^2/NDF:164.7/12

Left: -0.123+/-0.003 χ^2/NDF: 339.4/27

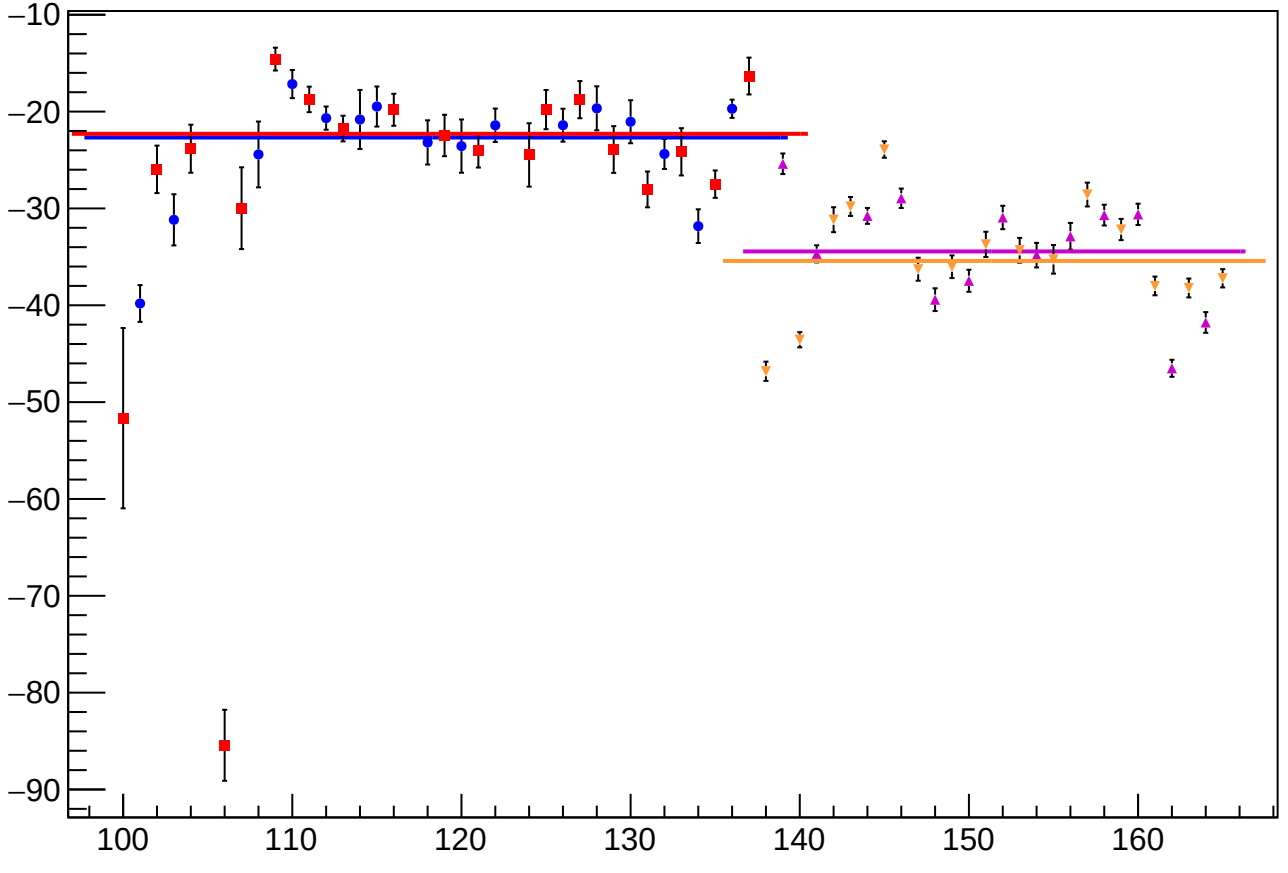
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.086+/-0.004 χ^2/NDF:1267.2/28

Out: -0.102+/-0.004 χ^2/NDF:2817.8/33

All: -0.094+/-0.003 χ^2/NDF: 4094.2/62

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.422+/-0.272 χ^2/NDF:527.3/14

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.441+/-0.291 χ^2/NDF:417.5/12

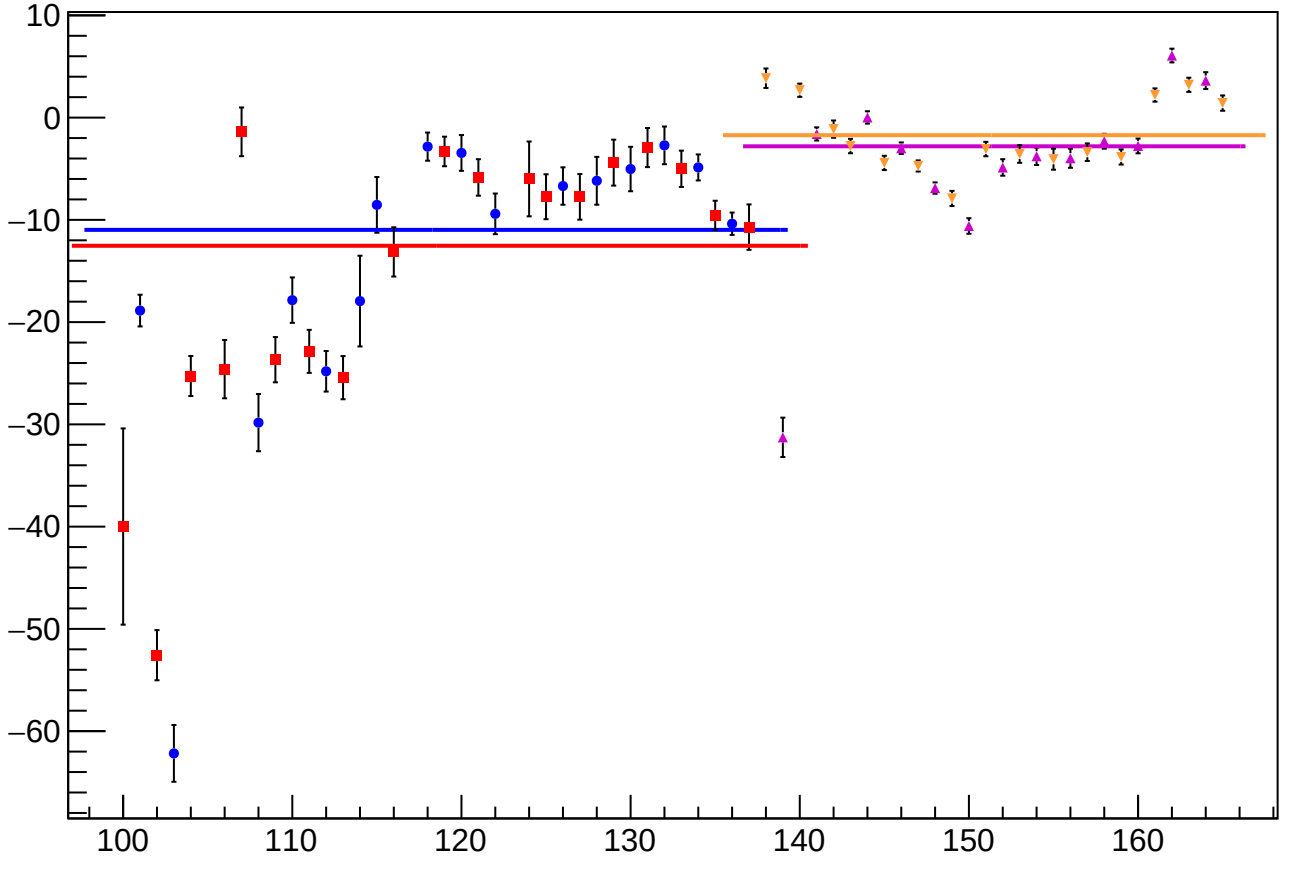
Left: -34.964+/-0.199 χ^2/NDF: 950.9/27

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -30.802+/-0.242 χ^2/NDF:1078.4/28

Out: -31.729+/-0.231 χ^2/NDF:1586.7/33

All: -31.286+/-0.167 χ^2/NDF: 2672.8/62



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.719+/-0.189 χ^2/NDF:328.3/14

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.807+/-0.200 χ^2/NDF:648.6/12

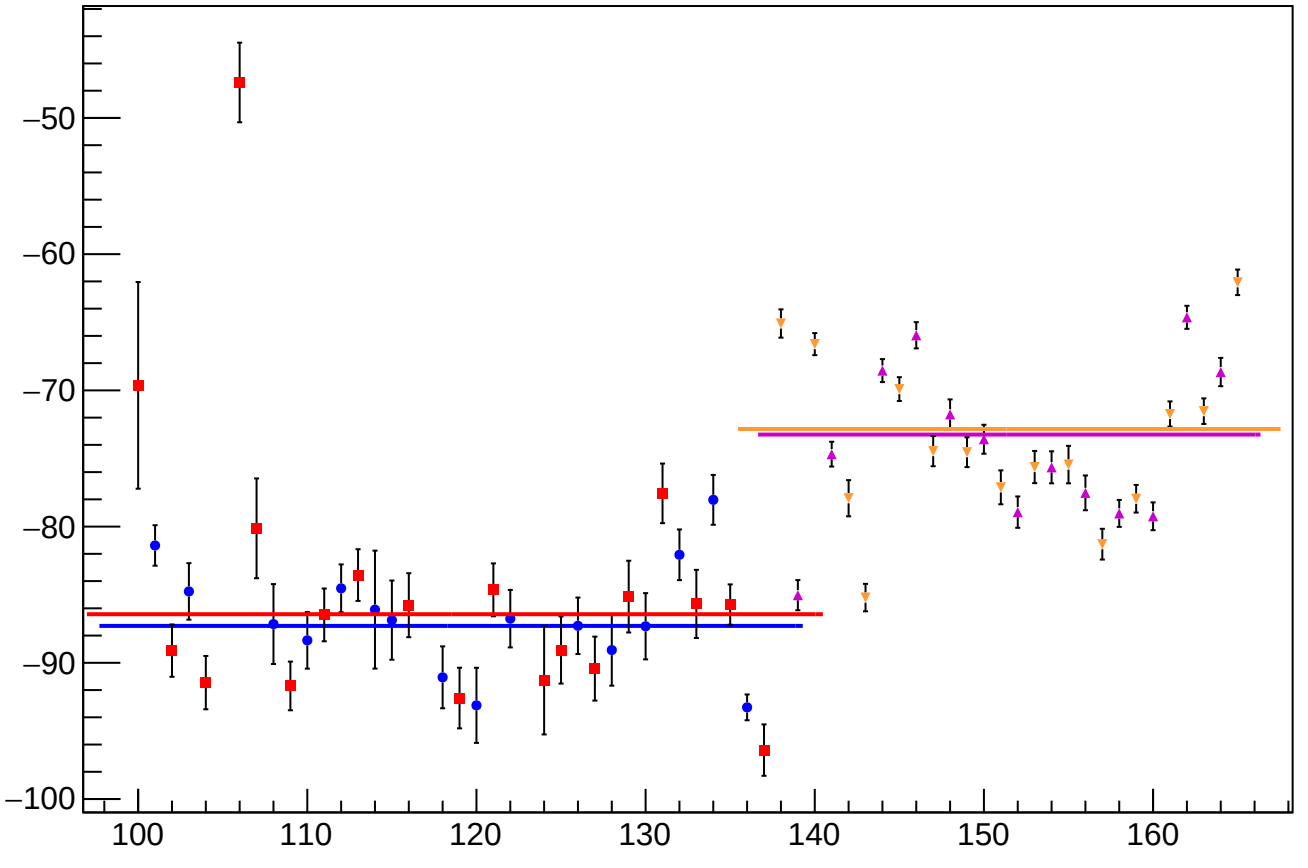
Left: -2.234+/-0.137 χ^2/NDF: 992.6/27

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -4.136+/-0.183 χ^2/NDF:1507.9/28

Out: -3.171+/-0.176 χ^2/NDF:1338.1/33

All: -3.636+/-0.127 χ^2/NDF: 2860.4/62



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.834+/-0.267 χ^2/NDF:534.2/14

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.244+/-0.282 χ^2/NDF:437.9/12

Left: -73.028+/-0.194 χ^2/NDF: 973.2/27

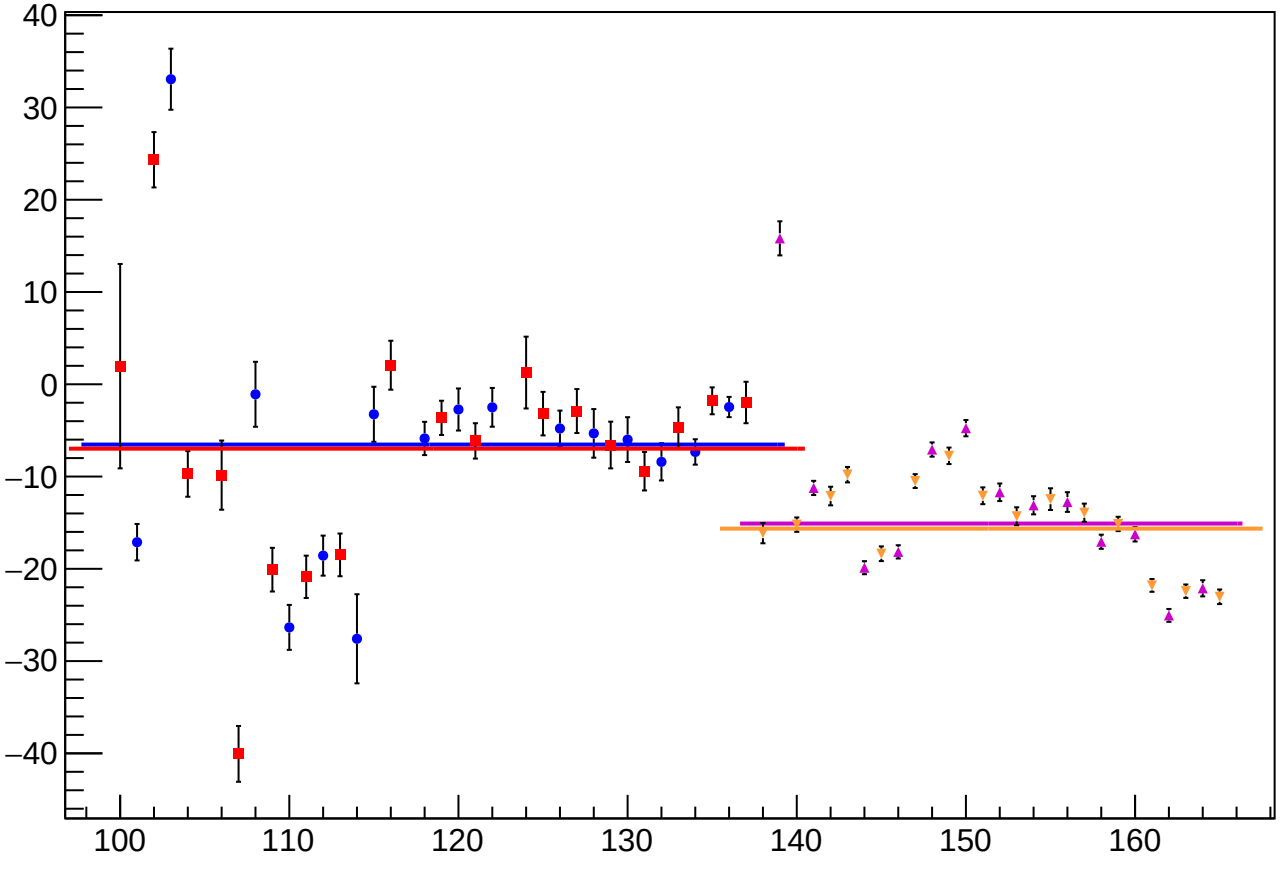
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -76.834+/-0.243 χ^2/NDF:1175.1/28

Out: -75.792+/-0.236 χ^2/NDF:1364.1/33

All: -76.298+/-0.169 χ^2/NDF: 2548.7/62

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: -15.644+/-0.220 χ^2/NDF:479.5/14

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.093+/-0.232 χ^2/NDF:911.4/12

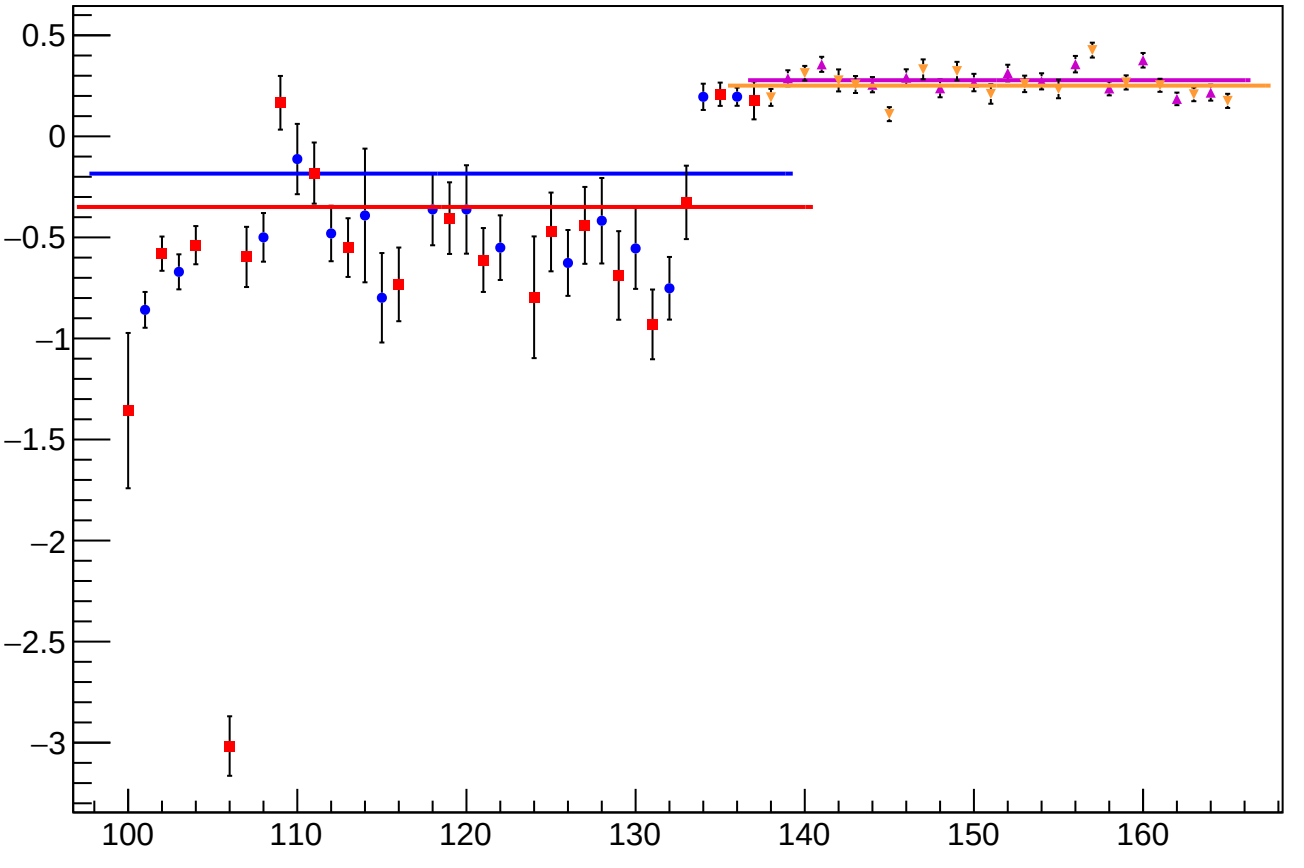
Left: -15.384+/-0.160 χ^2/NDF: 1393.9/27

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -13.614+/-0.211 χ^2/NDF:1460.2/28

Out: -14.420+/-0.204 χ^2/NDF:1067.6/33

All: -14.032+/-0.147 χ^2/NDF: 2535.4/62



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.251+/-0.010 χ^2/NDF:56.8/14

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.278+/-0.011 χ^2/NDF:30.5/12

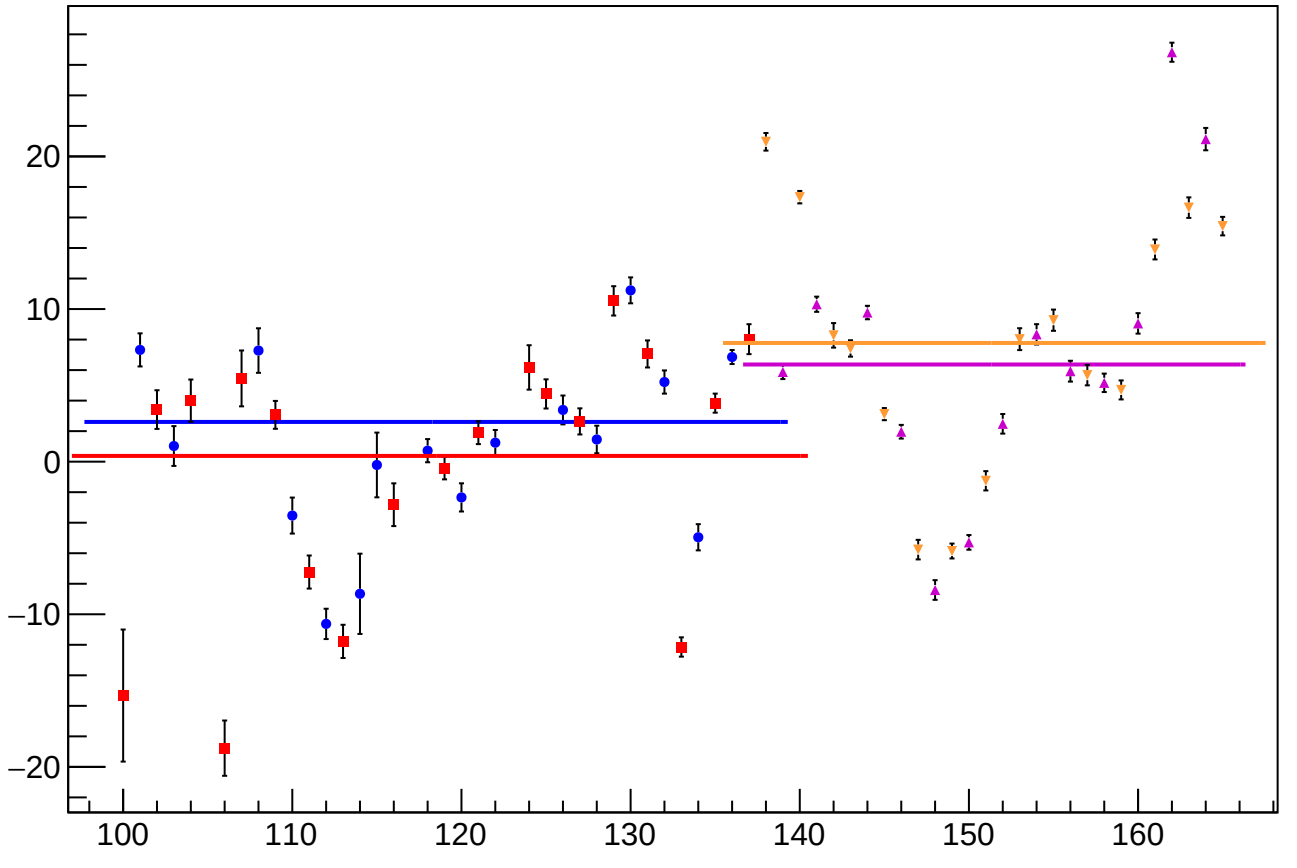
Left: 0.264+/-0.007 χ^2/NDF: 90.5/27

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.214+/-0.010 χ^2/NDF:535.0/28

Out: 0.186+/-0.010 χ^2/NDF:947.5/33

All: 0.200+/-0.007 χ^2/NDF: 1486.7/62



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 7.778+/-0.148 χ^2/NDF:3098.3/14

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 6.367+/-0.155 χ^2/NDF:2874.6/12

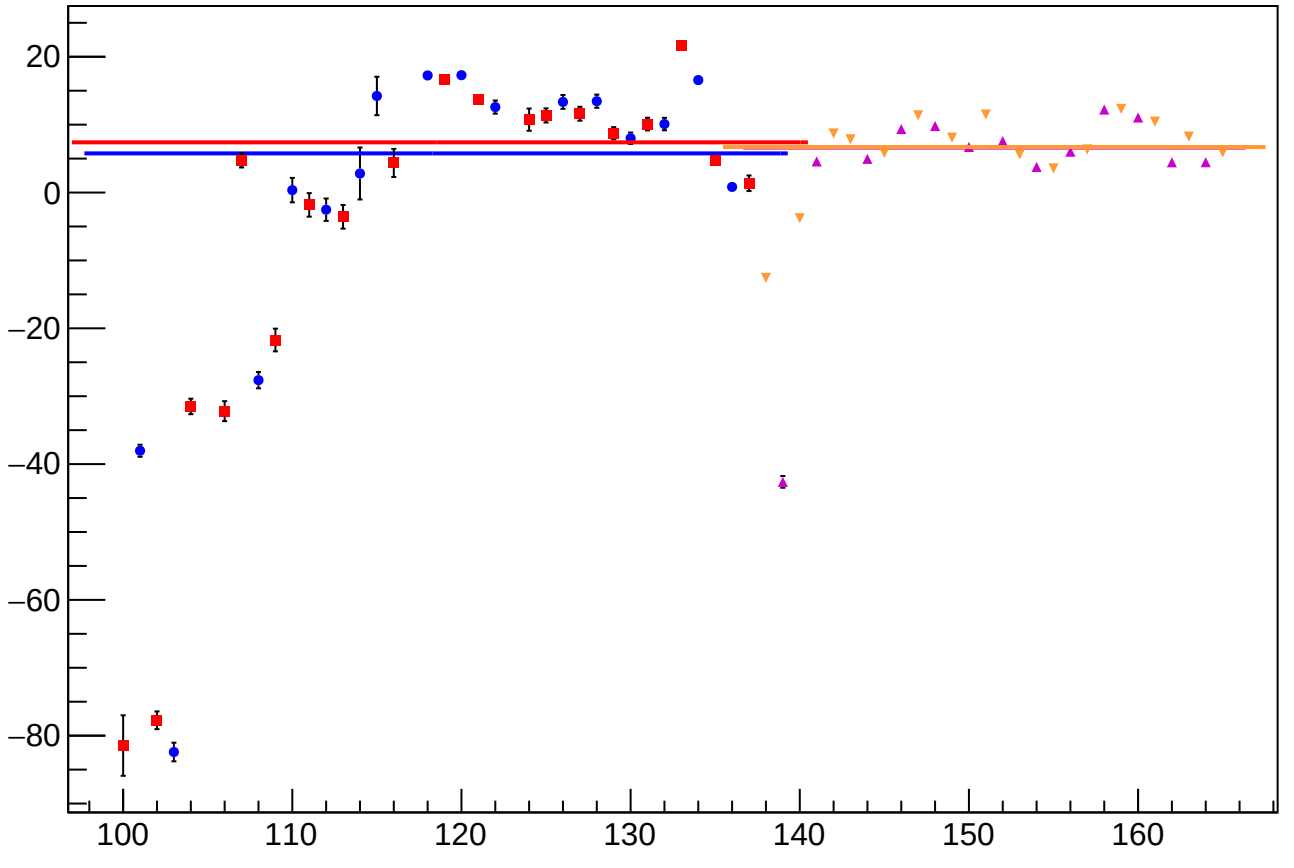
Left: 7.104+/-0.107 χ^2/NDF: 6016.2/27

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 5.150+/-0.127 χ^2/NDF:3638.5/28

Out: 5.501+/-0.123 χ^2/NDF:4897.1/33

All: 5.331+/-0.089 χ^2/NDF: 8539.5/62



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.702+/-0.104 χ^2/NDF:2823.0/14

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.620+/-0.109 χ^2/NDF:3916.2/12

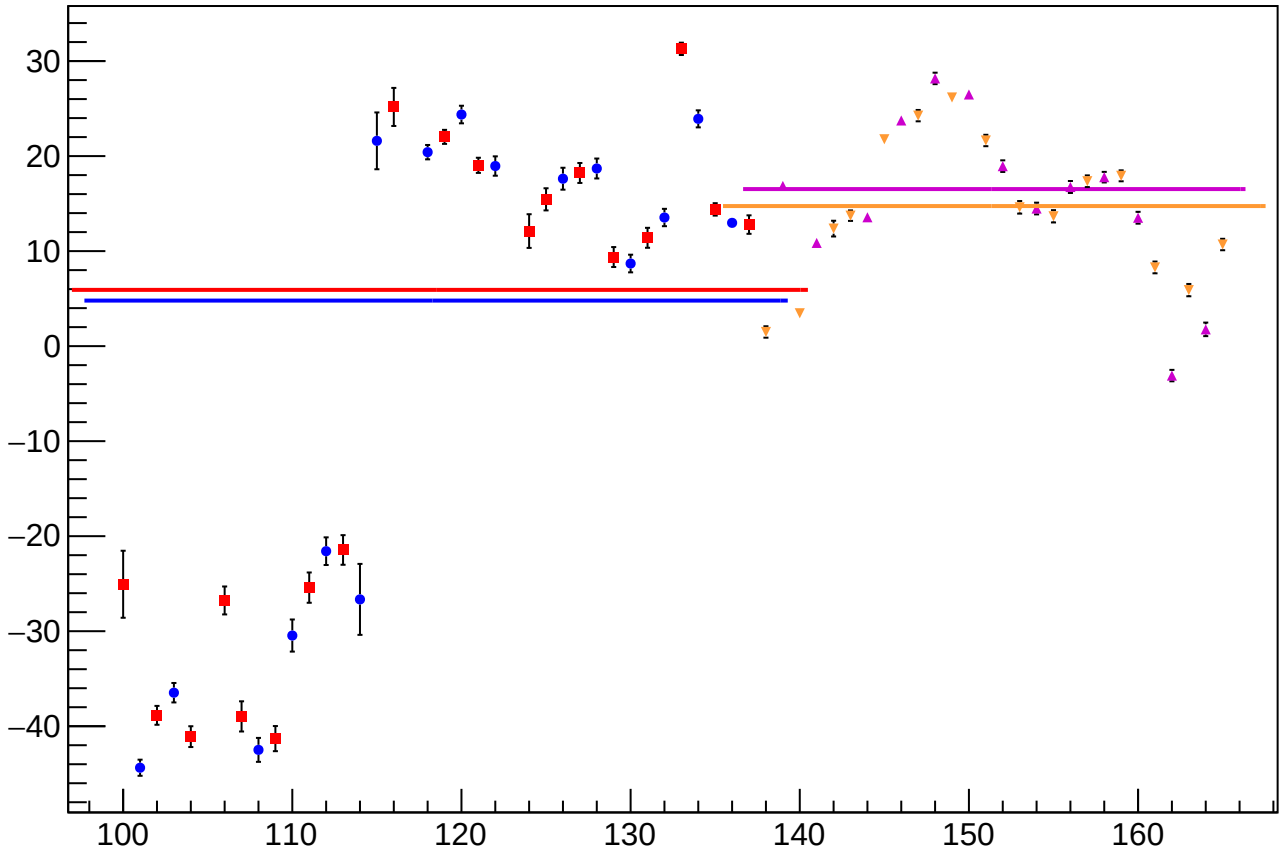
Left: 6.663+/-0.075 χ^2/NDF: 6739.6/27

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.440+/-0.096 χ^2/NDF:12863.1/28

Out: 6.839+/-0.093 χ^2/NDF:11222.4/33

All: 6.647+/-0.067 χ^2/NDF: 24094.3/62



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.741+/-0.145 χ^2/NDF:2917.7/14

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.530+/-0.150 χ^2/NDF:2856.7/12

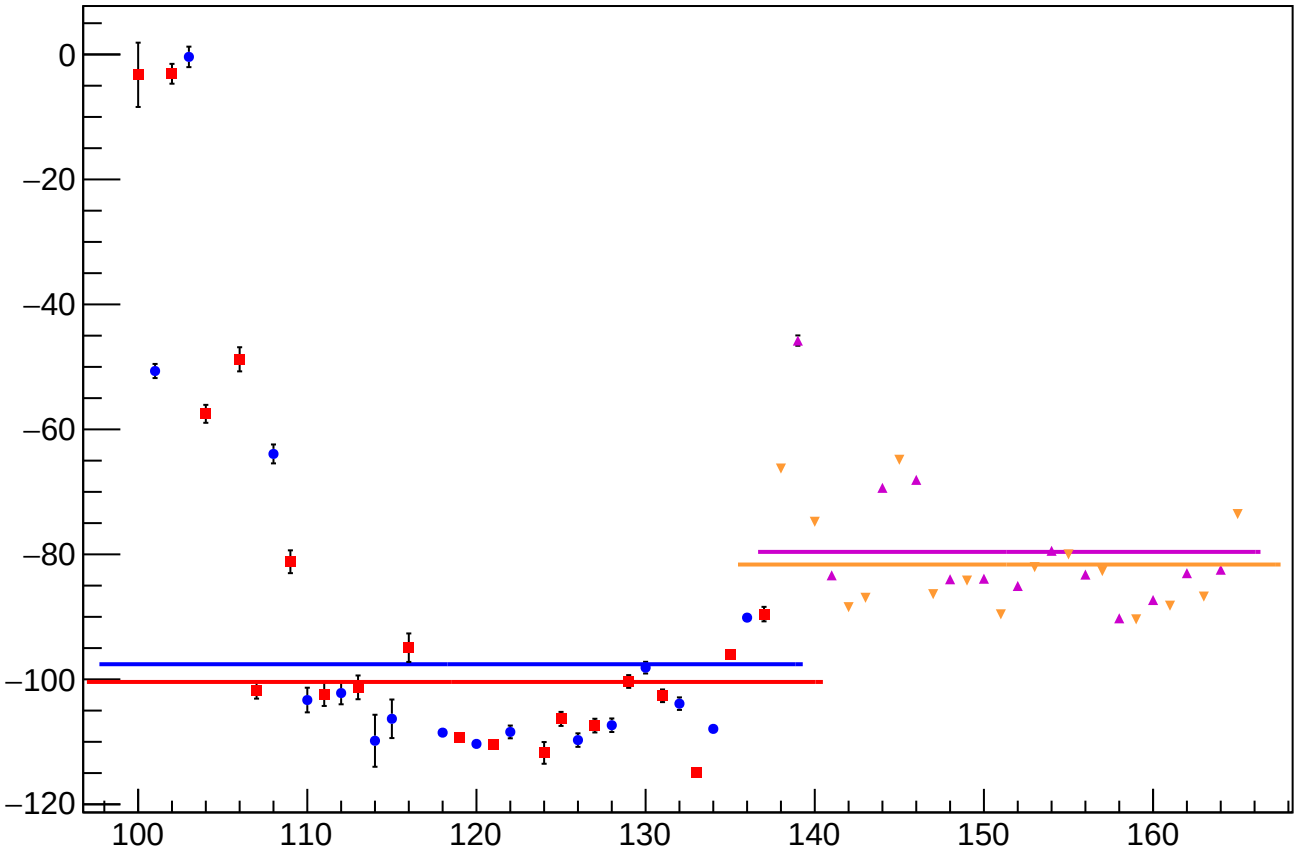
Left: 15.604+/-0.104 χ^2/NDF: 5847.8/27

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

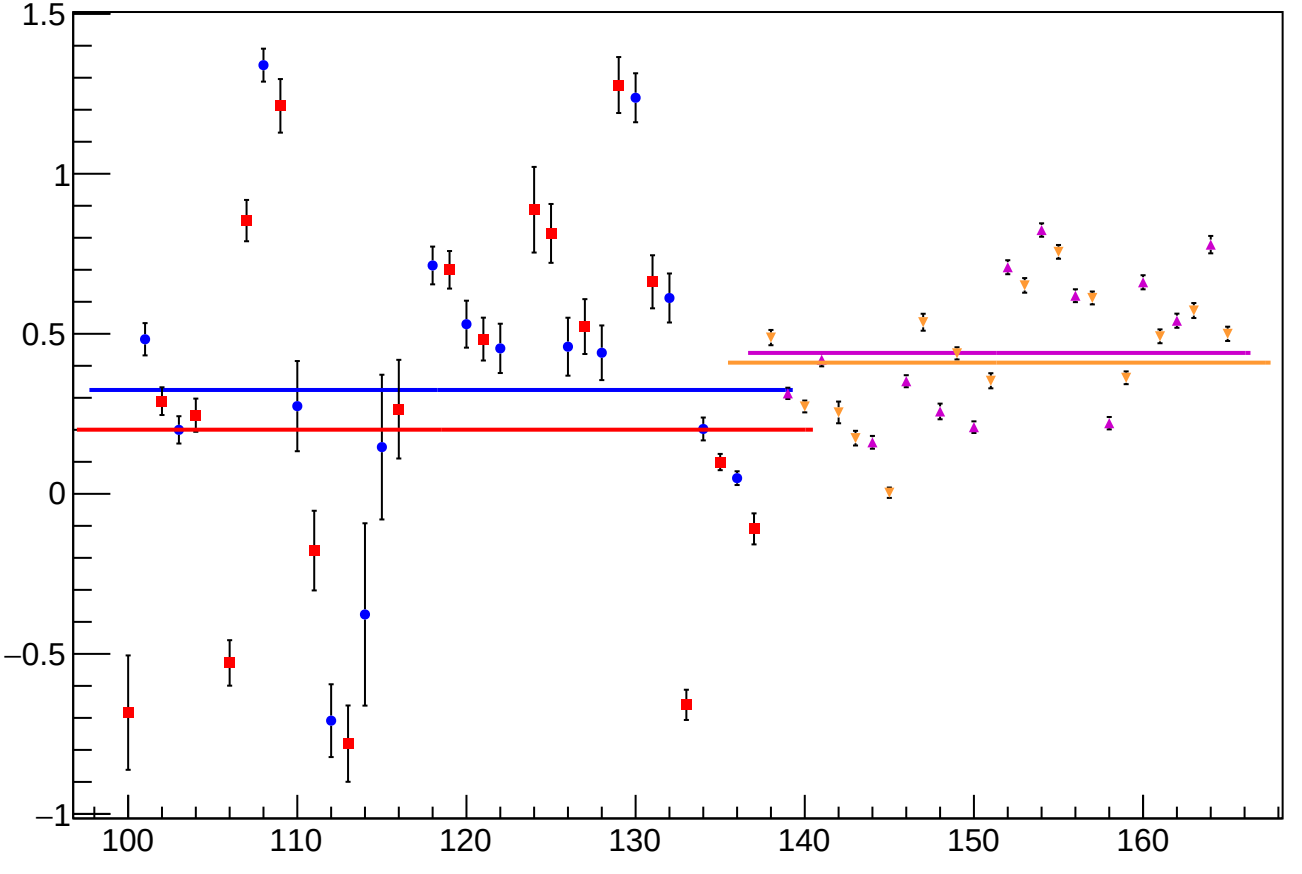
In: 13.174+/-0.127 χ^2/NDF:14098.4/28

Out: 12.381+/-0.124 χ^2/NDF:13967.2/33

All: 12.768+/-0.089 χ^2/NDF: 28085.6/62


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -97.581+/-0.242 χ²/NDF: 7144.2/15
Left Out: -81.627+/-0.121 χ²/NDF:4497.0/14
Right Out: -100.418+/-0.241 χ²/NDF: 7115.7/18
Left In: -79.604+/-0.126 χ²/NDF:4952.1/12
Left: -80.659+/-0.087 χ²/NDF: 9582.4/27
Right: -99.004+/-0.171 χ²/NDF: 14329.0/34
In: -83.469+/-0.112 χ²/NDF:16439.3/28
Out: -85.417+/-0.108 χ²/NDF:16466.9/33
All: -84.477+/-0.078 χ²/NDF: 33062.5/62

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.410+/-0.006 χ^2/NDF:1408.8/14

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.440+/-0.006 χ^2/NDF:1456.0/12

Left: 0.425+/-0.004 χ^2/NDF: 2879.3/27

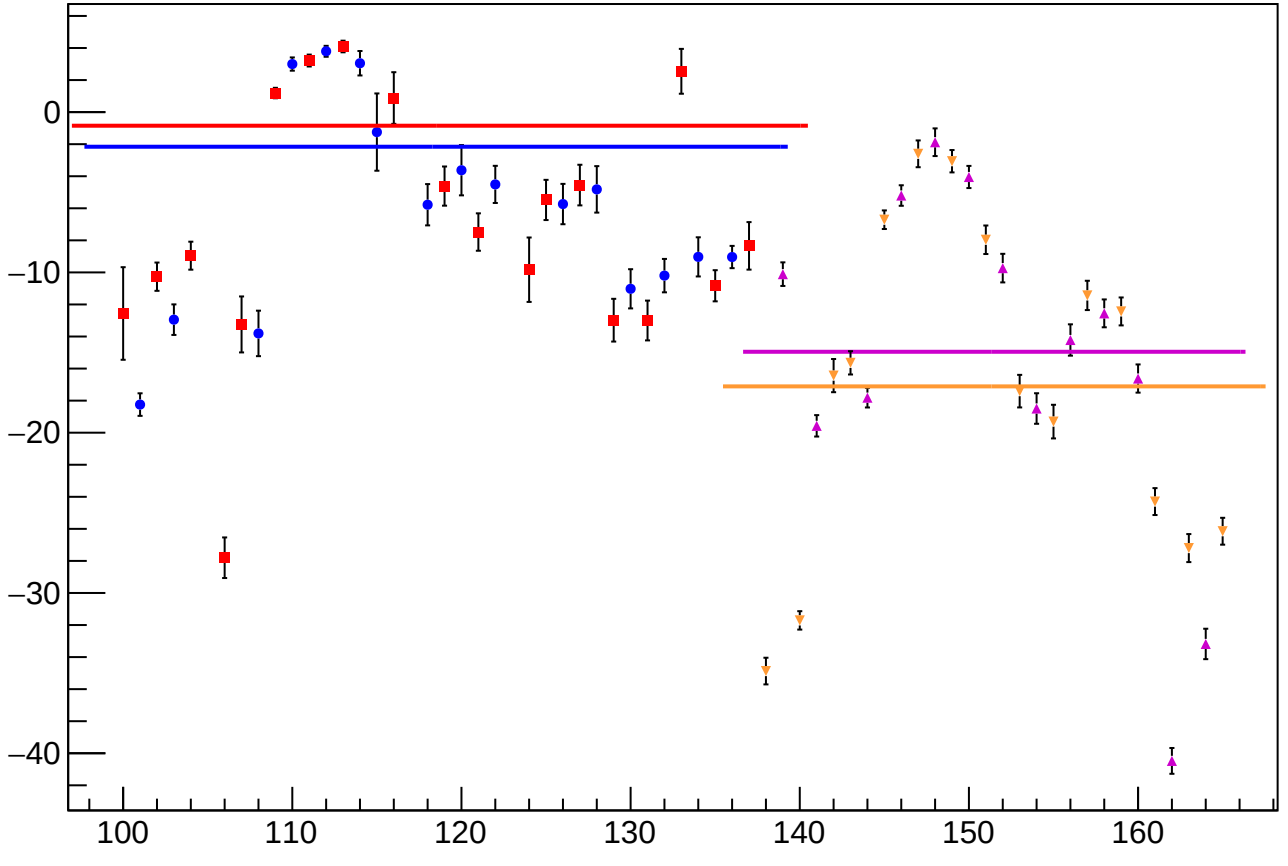
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.422+/-0.005 χ^2/NDF:2406.6/28

Out: 0.381+/-0.005 χ^2/NDF:2812.1/33

All: 0.401+/-0.004 χ^2/NDF: 5250.3/62

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: -17.111+/-0.206 χ^2/NDF:2635.9/14

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -14.952+/-0.217 χ^2/NDF:2256.1/12

Left: -16.087+/-0.149 χ^2/NDF: 4944.2/27

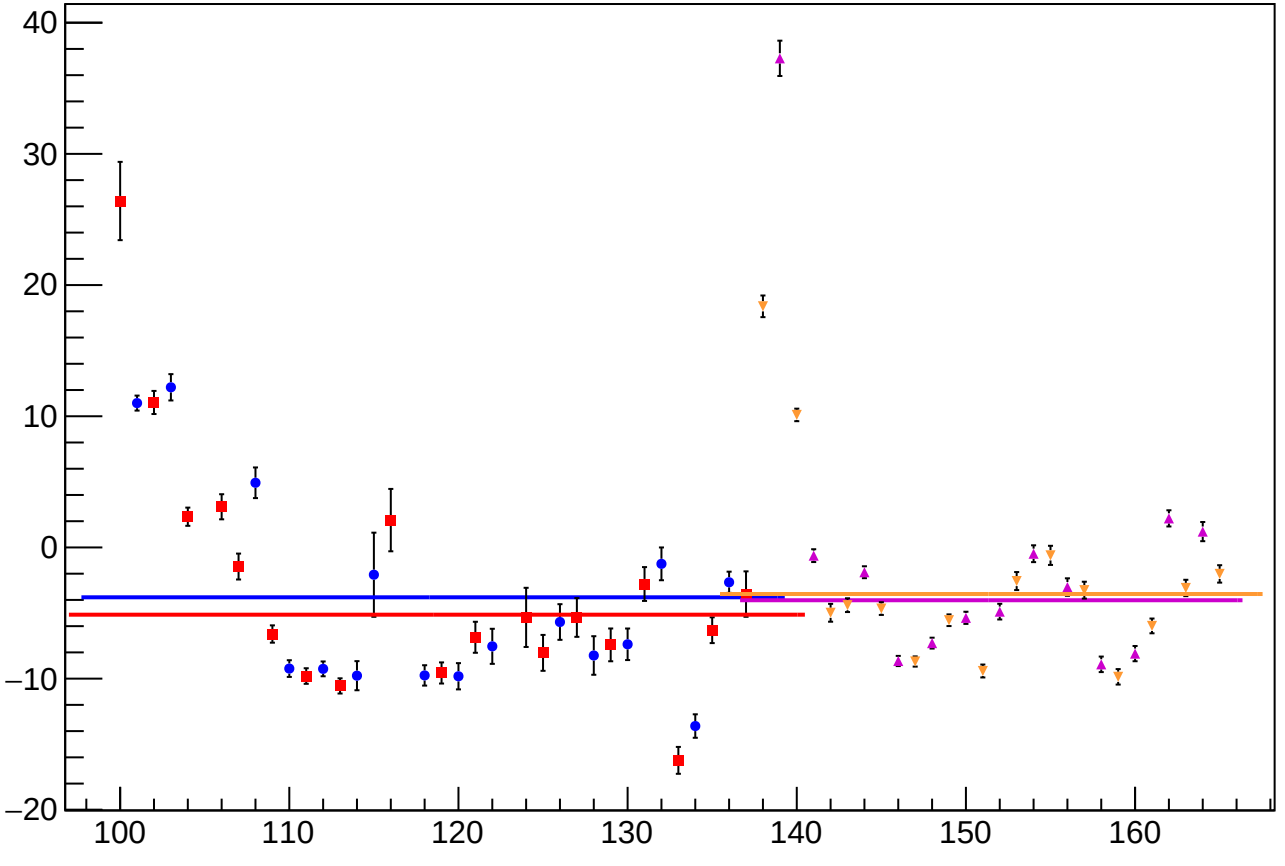
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -7.784+/-0.144 χ^2/NDF:5699.4/28

Out: -7.457+/-0.131 χ^2/NDF:7802.8/33

All: -7.606+/-0.097 χ^2/NDF: 13505.0/62

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: -3.550+/-0.143 χ^2/NDF:2030.2/14

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.025+/-0.150 χ^2/NDF:1531.2/12

Left: -3.776+/-0.103 χ^2/NDF: 3566.7/27

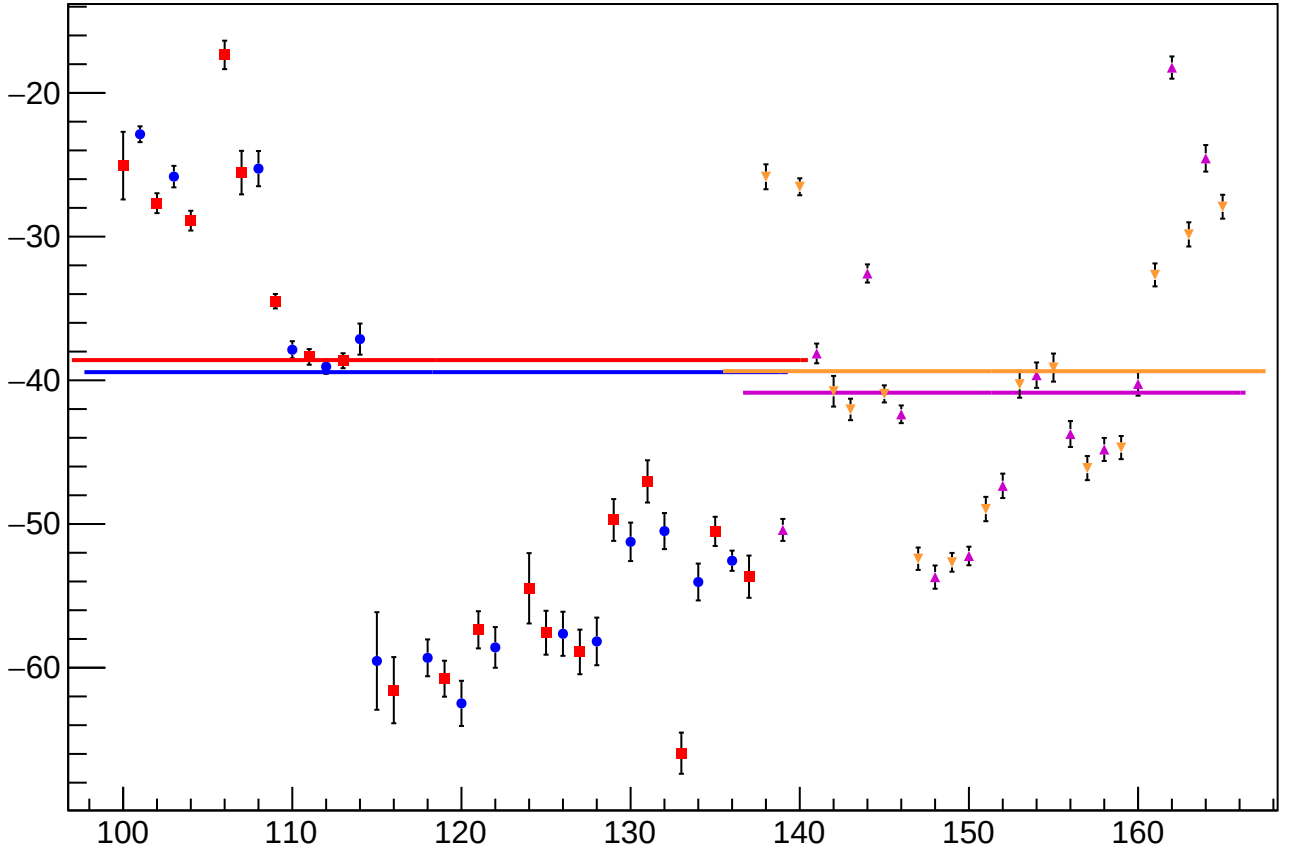
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.956+/-0.125 χ^2/NDF:2957.4/28

Out: -4.021+/-0.120 χ^2/NDF:3047.1/33

All: -3.990+/-0.086 χ^2/NDF: 6004.7/62

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: -39.364+/-0.201 χ^2/NDF:2058.1/14

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -40.861+/-0.210 χ^2/NDF:2171.0/12

Left: -40.082+/-0.145 χ^2/NDF: 4255.5/27

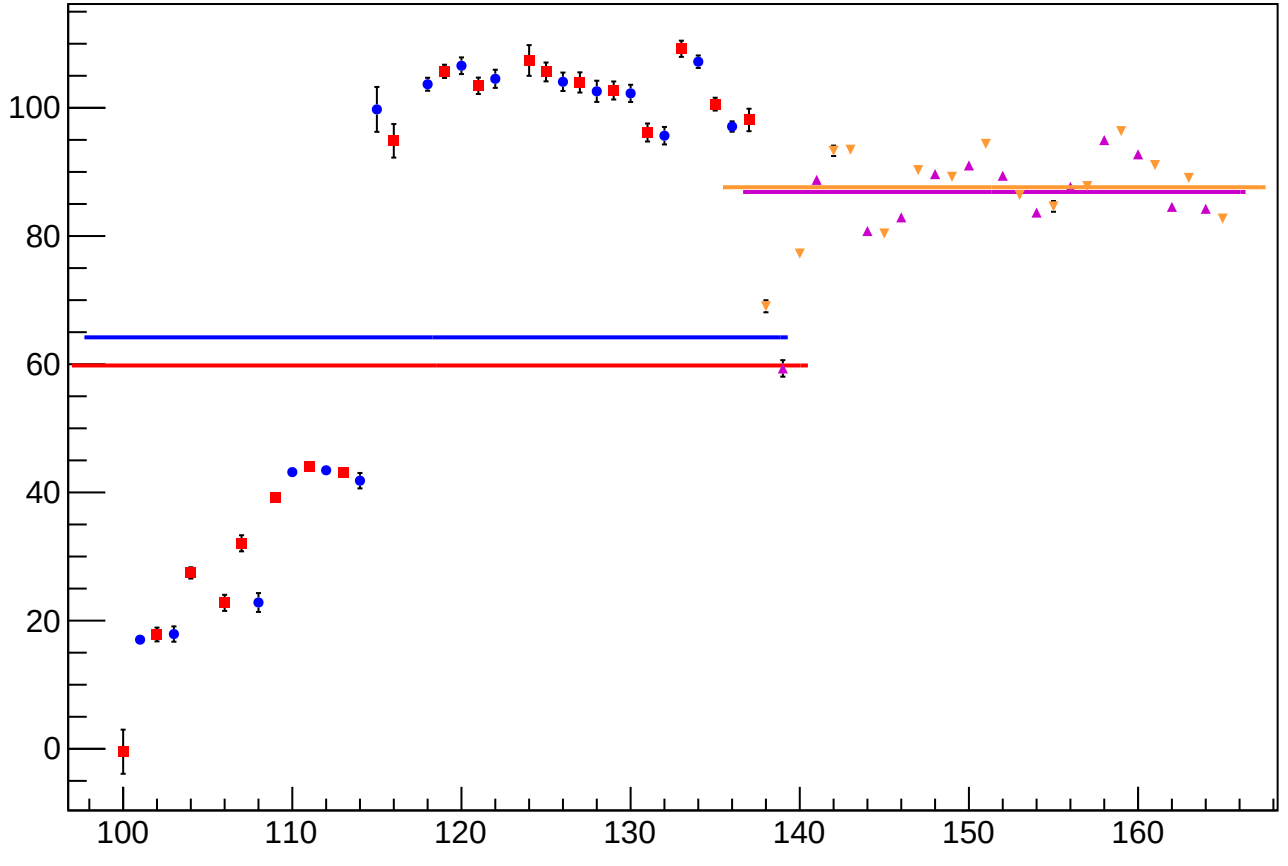
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.197+/-0.154 χ^2/NDF:5150.6/28

Out: -38.999+/-0.146 χ^2/NDF:4837.1/33

All: -39.568+/-0.106 χ^2/NDF: 10019.7/62

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.612+/-0.167 χ^2/NDF:1474.2/14

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.869+/-0.175 χ^2/NDF:1060.5/12

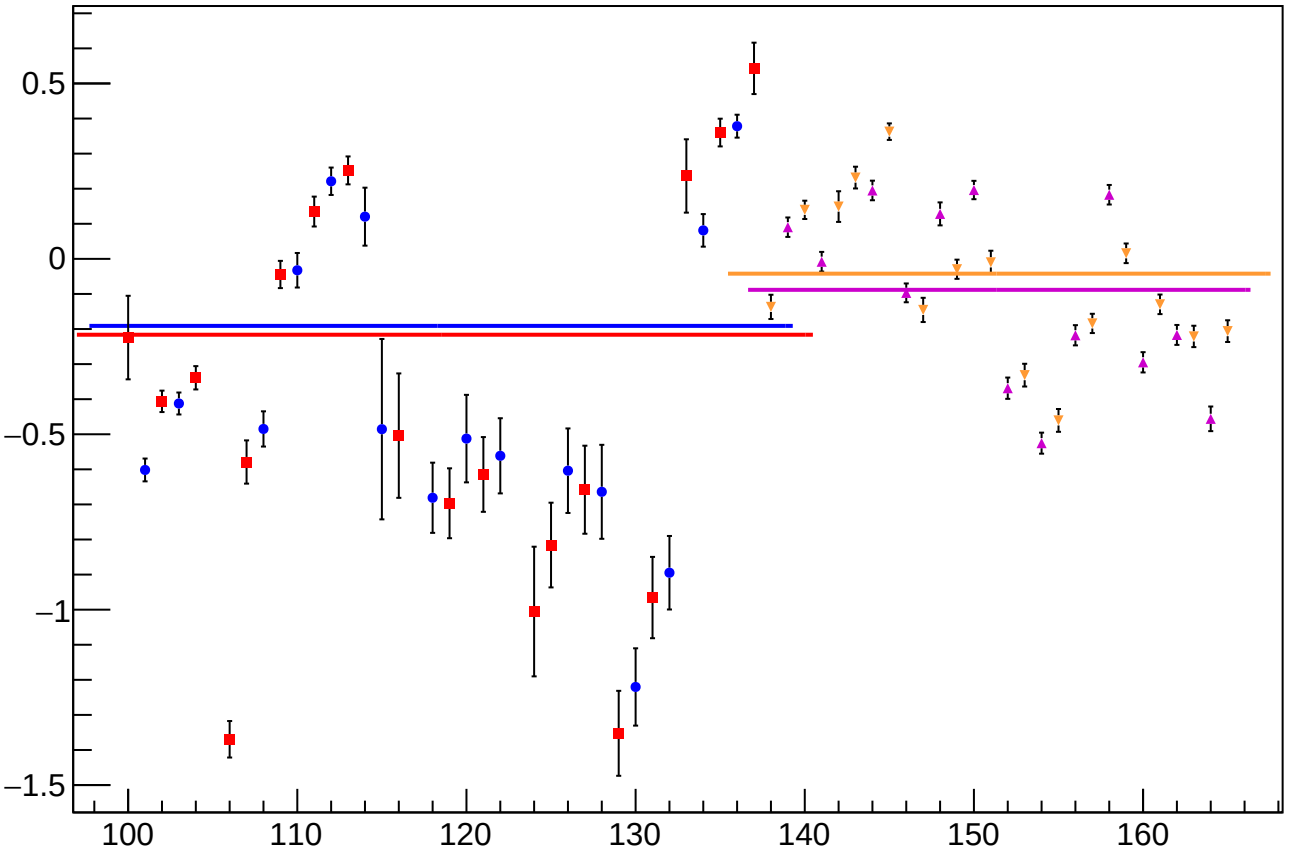
Left: 87.257+/-0.121 χ^2/NDF: 2544.1/27

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.716+/-0.145 χ^2/NDF:24963.9/28

Out: 78.969+/-0.139 χ^2/NDF:27518.3/33

All: 79.327+/-0.100 χ^2/NDF: 52496.1/62



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.042+/-0.008 χ^2/NDF:807.0/14

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.088+/-0.008 χ^2/NDF:908.4/12

Left: -0.064+/-0.006 χ^2/NDF: 1732.5/27

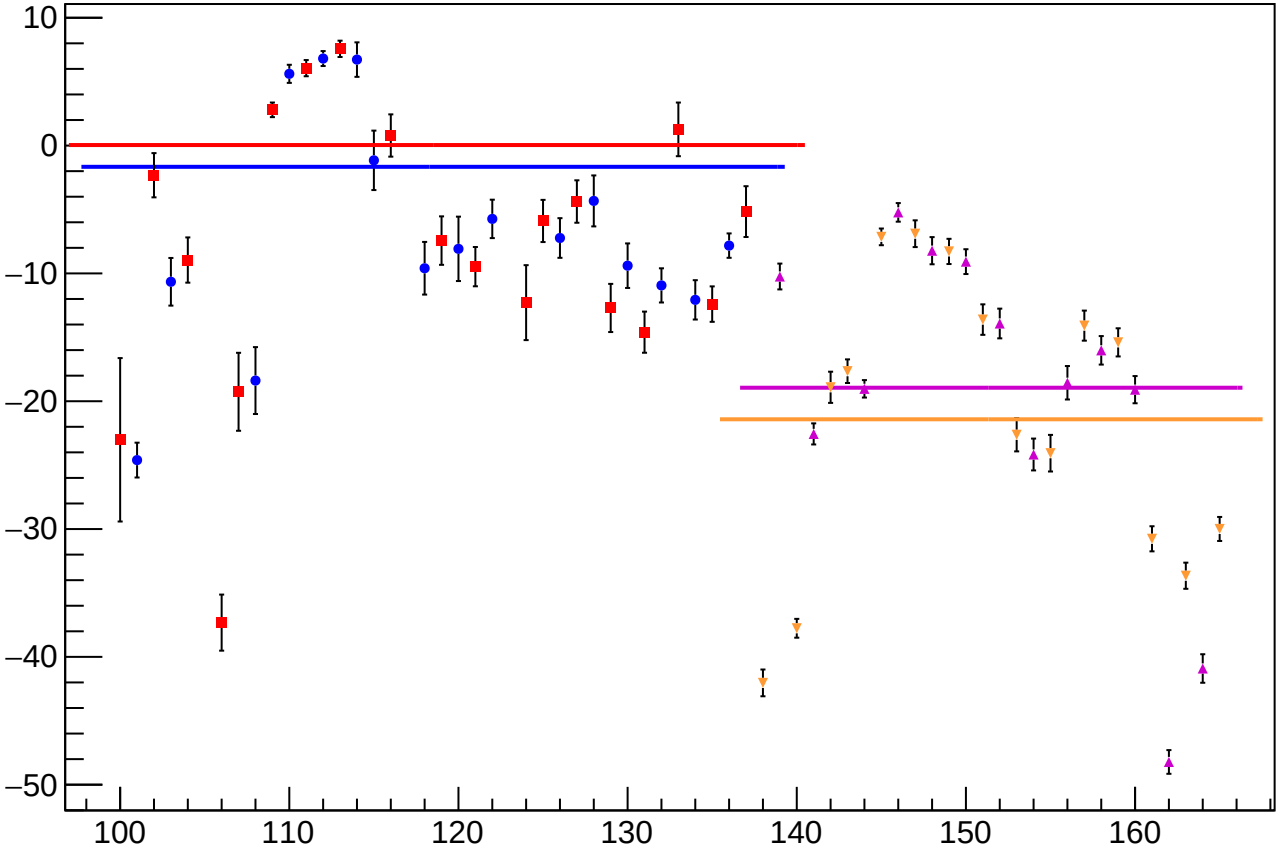
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.115+/-0.007 χ^2/NDF:1869.9/28

Out: -0.088+/-0.007 χ^2/NDF:2308.4/33

All: -0.101+/-0.005 χ^2/NDF: 4186.3/62

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: -21.414+/-0.255 χ^2/NDF:2181.8/14

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -18.944+/-0.267 χ^2/NDF:2082.1/12

Left: -20.233+/-0.184 χ^2/NDF: 4308.6/27

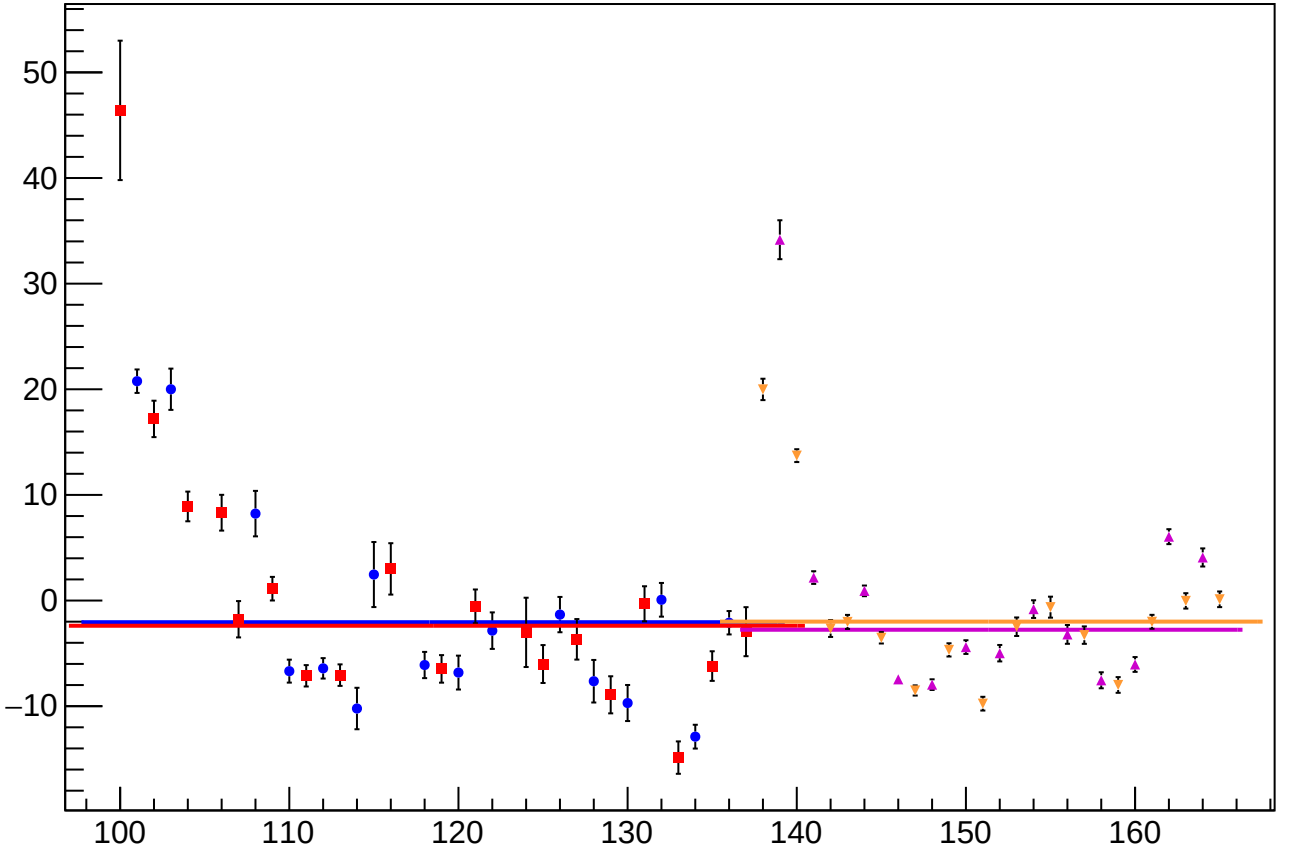
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -11.538+/-0.202 χ^2/NDF:4781.1/28

Out: -11.745+/-0.189 χ^2/NDF:6295.0/33

All: -11.648+/-0.138 χ^2/NDF: 11076.7/62

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.994+/-0.177 χ^2/NDF:1577.0/14

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -2.765+/-0.182 χ^2/NDF:1047.7/12

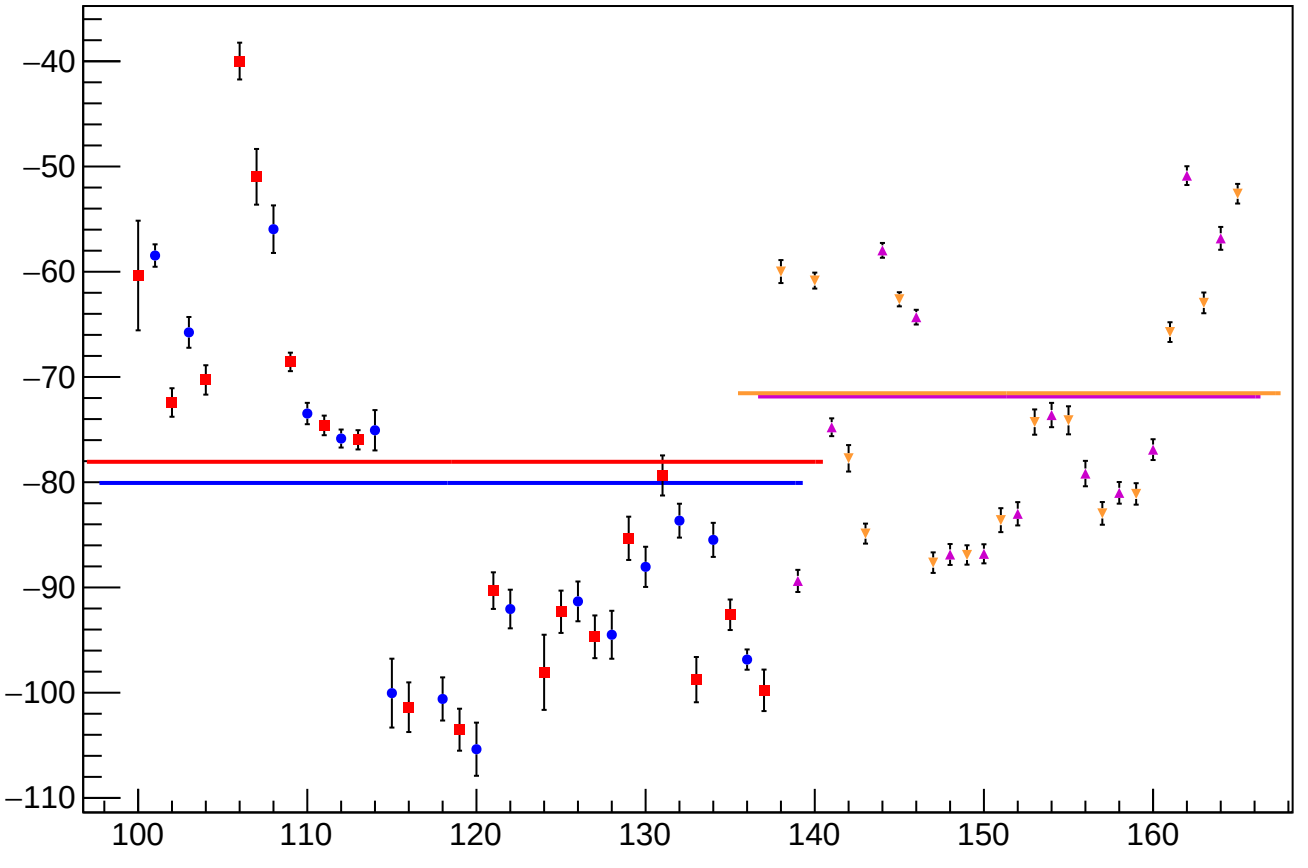
Left: -2.369+/-0.127 χ^2/NDF: 2633.9/27

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.616+/-0.162 χ^2/NDF:1822.8/28

Out: -2.072+/-0.159 χ^2/NDF:2028.9/33

All: -2.339+/-0.113 χ^2/NDF: 3857.4/62



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -71.544+/-0.251 χ^2/NDF:2108.1/14

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -71.854+/-0.259 χ^2/NDF:2285.6/12

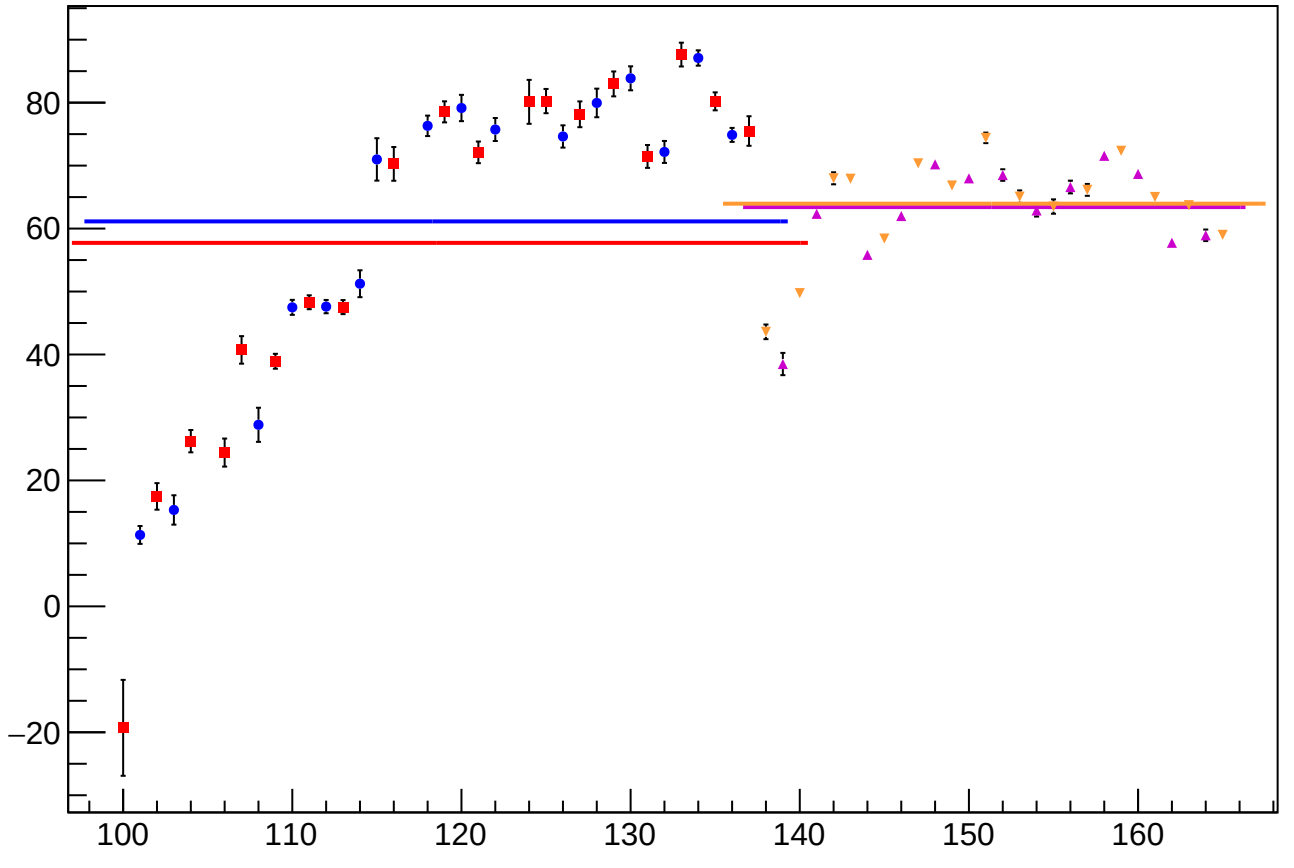
Left: -71.694+/-0.180 χ^2/NDF: 4394.4/27

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -74.611+/-0.211 χ^2/NDF:4010.4/28

Out: -73.722+/-0.204 χ^2/NDF:3895.3/33

All: -74.152+/-0.147 χ^2/NDF: 7914.9/62



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.953+/-0.207 χ^2/NDF:1236.0/14

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.411+/-0.213 χ^2/NDF:780.0/12

Left: 63.690+/-0.149 χ^2/NDF: 2019.3/27

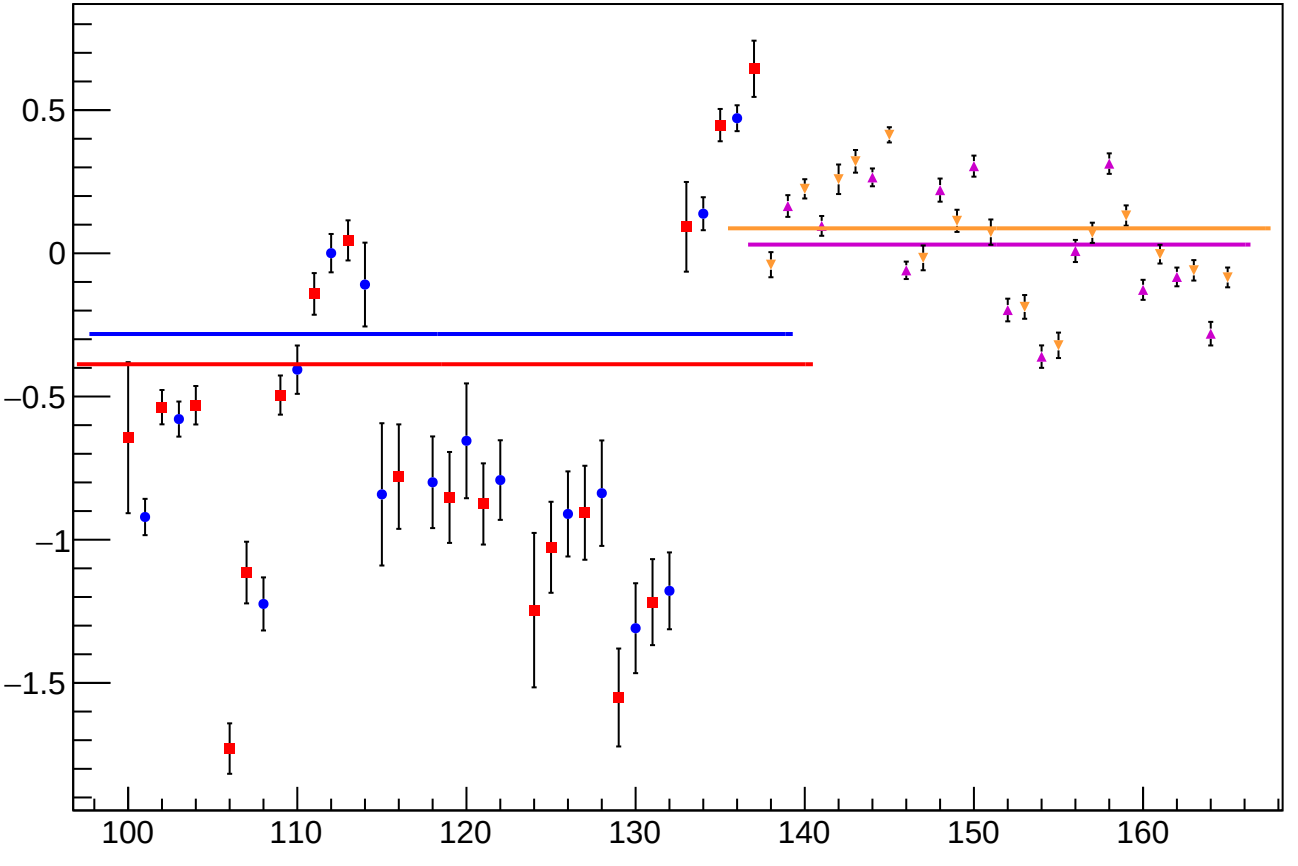
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.908+/-0.188 χ^2/NDF:4034.3/28

Out: 62.638+/-0.184 χ^2/NDF:4202.6/33

All: 62.770+/-0.132 χ^2/NDF: 8237.9/62

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.087+/-0.010 χ^2/NDF:407.0/14

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.030+/-0.010 χ^2/NDF:444.4/12

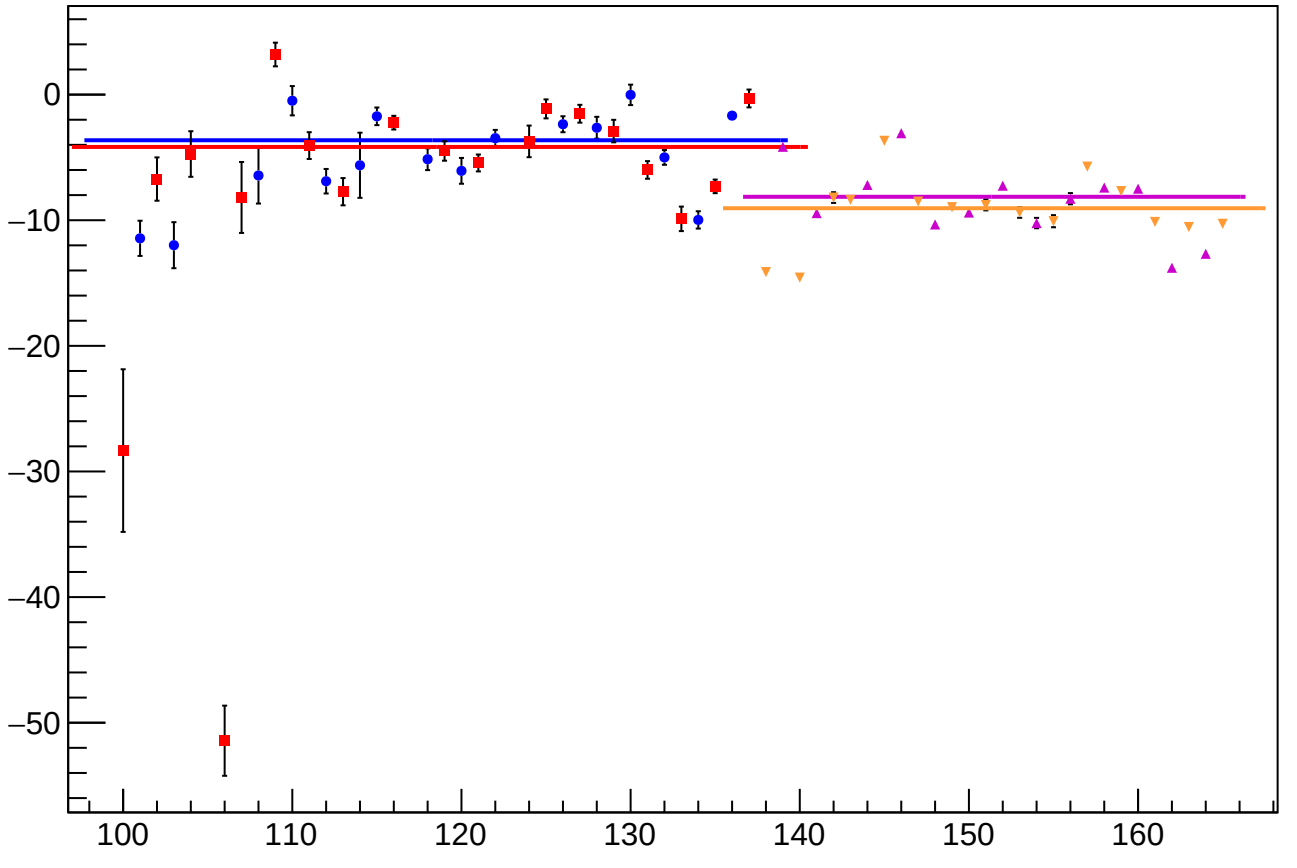
Left: 0.060+/-0.007 χ^2/NDF: 868.2/27

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.024+/-0.009 χ^2/NDF:1344.6/28

Out: 0.010+/-0.009 χ^2/NDF:1619.0/33

All: -0.006+/-0.006 χ^2/NDF: 2971.0/62



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.045+/-0.086 χ^2/NDF:1413.0/14

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.134+/-0.089 χ^2/NDF:1283.1/12

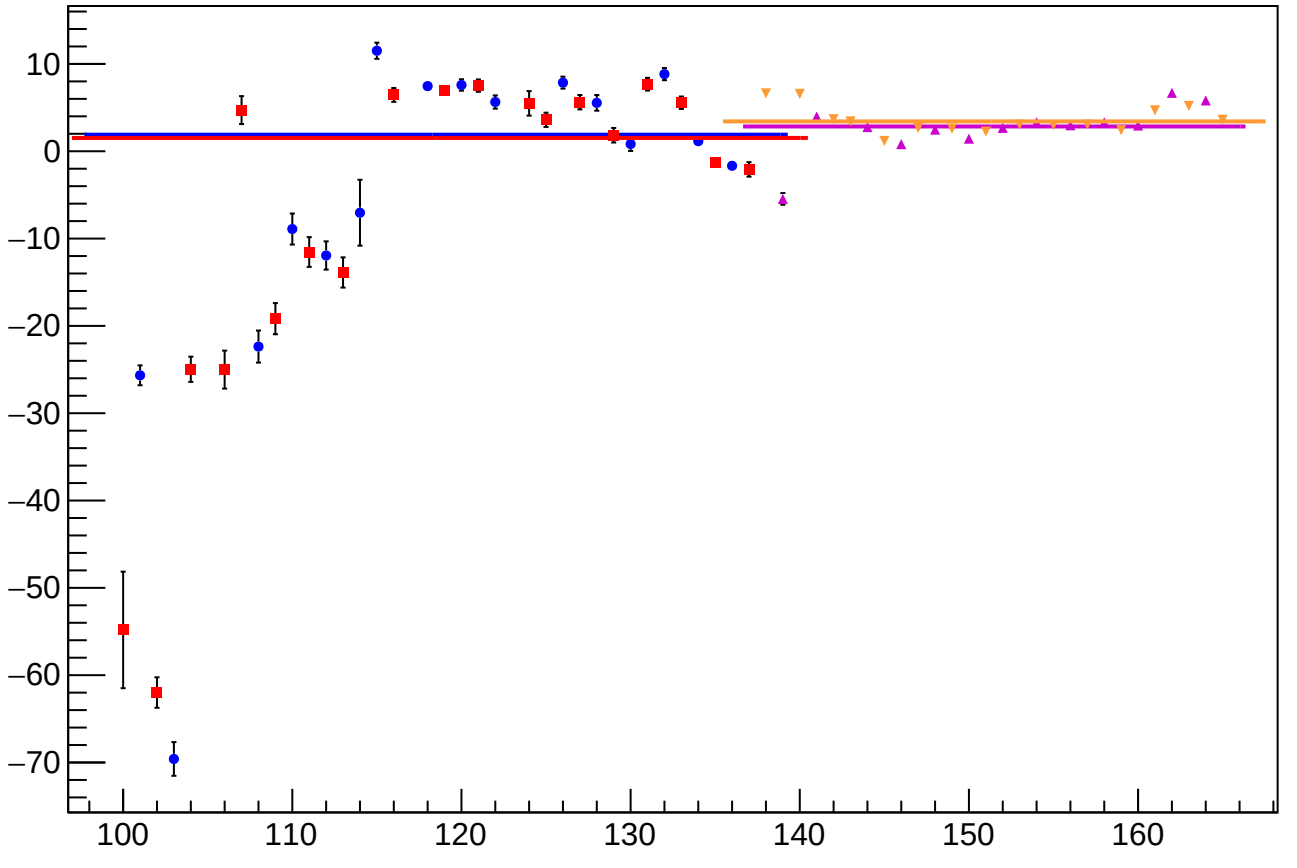
Left: -8.606+/-0.062 χ^2/NDF: 2750.3/27

Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.318+/-0.081 χ^2/NDF:1981.9/28

Out: -8.283+/-0.079 χ^2/NDF:2447.4/33

All: -7.811+/-0.056 χ^2/NDF: 4502.6/62



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.417+/-0.060 χ^2/NDF:636.8/14

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.838+/-0.061 χ^2/NDF:878.2/12

Left: 3.131+/-0.043 χ^2/NDF: 1561.3/27

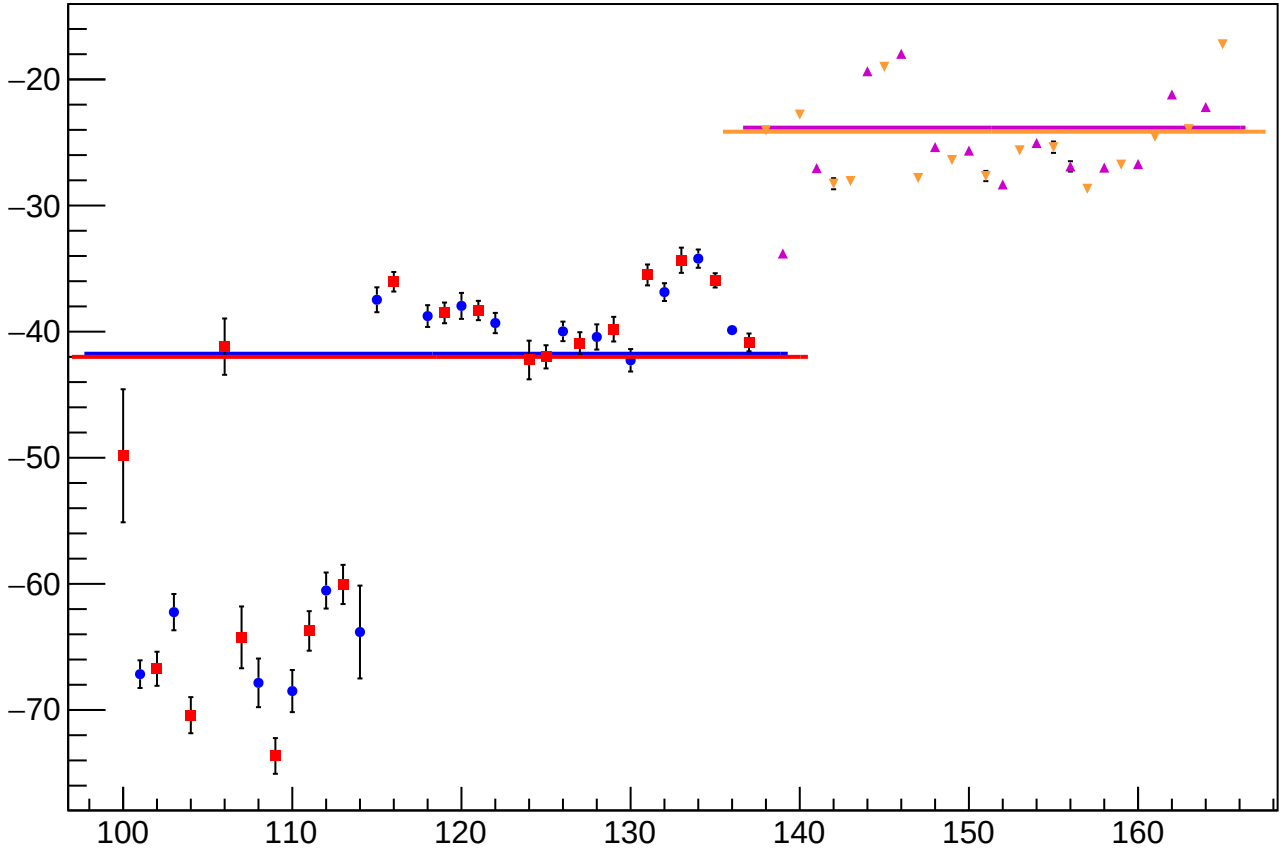
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.750+/-0.058 χ^2/NDF:3738.8/28

Out: 3.273+/-0.058 χ^2/NDF:3272.8/33

All: 3.012+/-0.041 χ^2/NDF: 7052.7/62

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: -24.145+/-0.084 χ^2/NDF:1845.9/14

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.824+/-0.086 χ^2/NDF:2395.2/12

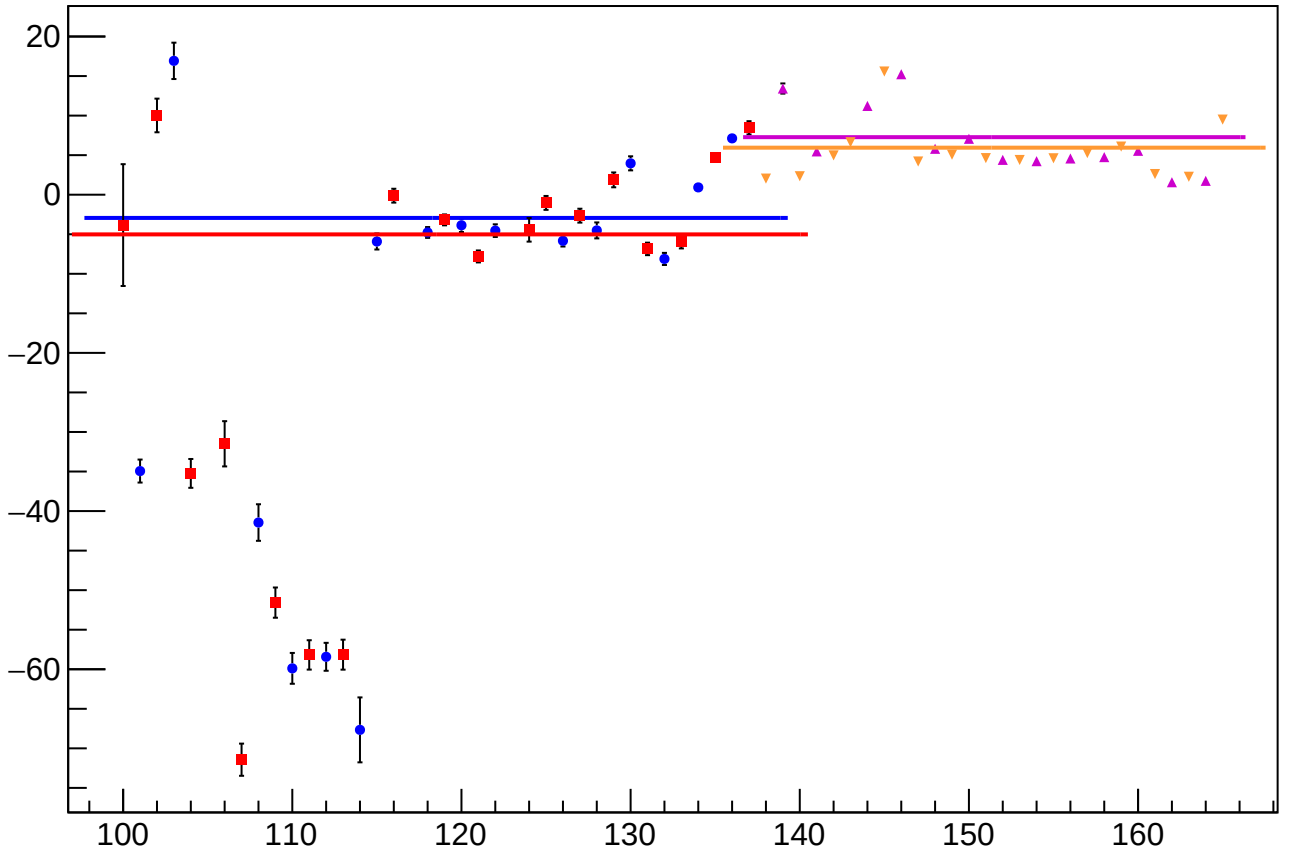
Left: -23.988+/-0.060 χ^2/NDF: 4248.3/27

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -26.463+/-0.080 χ^2/NDF:10386.6/28

Out: -26.284+/-0.079 χ^2/NDF:9215.8/33

All: -26.373+/-0.056 χ^2/NDF: 19605.0/62



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.946+/-0.069 χ^2/NDF:3361.9/14

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 7.274+/-0.071 χ^2/NDF:4077.0/12

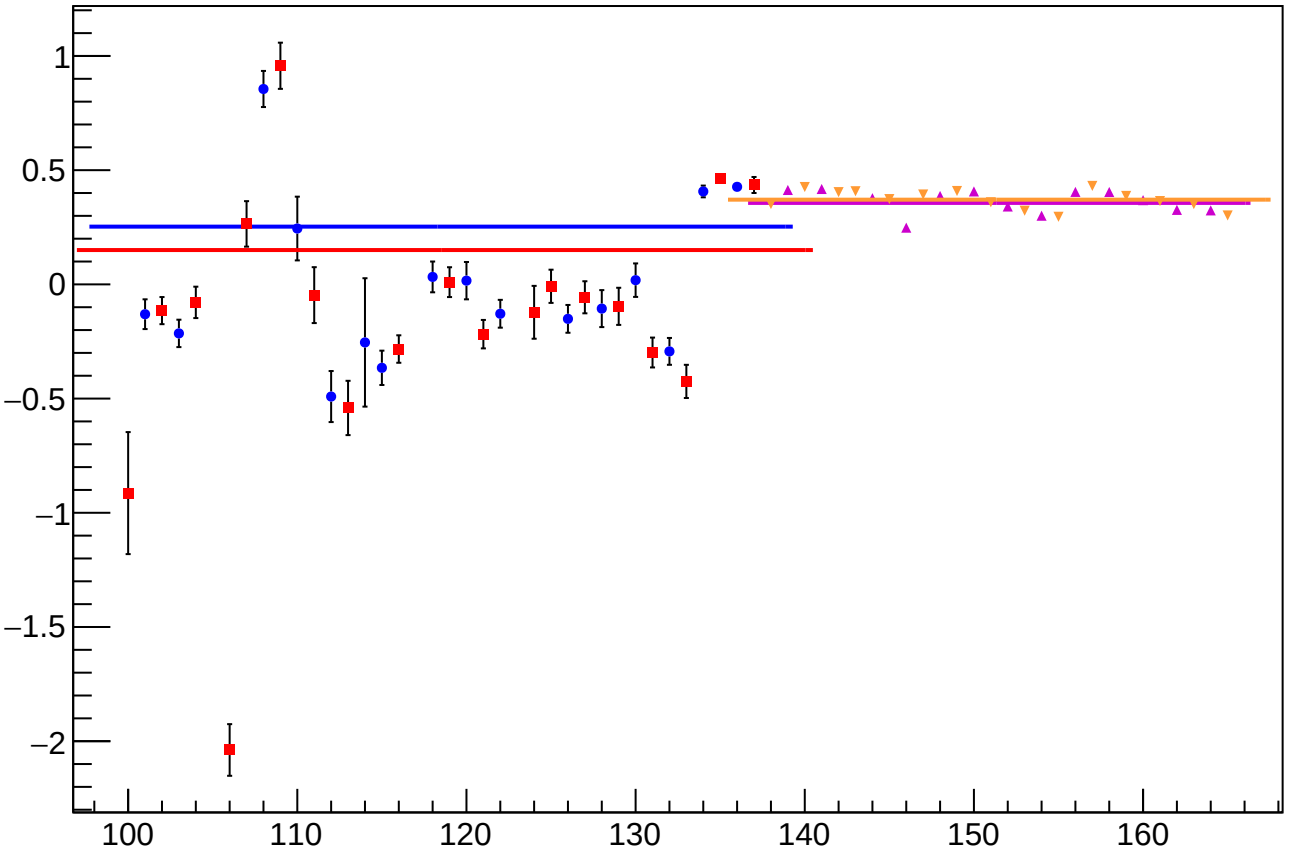
Left: 6.597+/-0.050 χ^2/NDF: 7618.0/27

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.228+/-0.067 χ^2/NDF:9931.2/28

Out: 5.043+/-0.067 χ^2/NDF:9792.1/33

All: 5.630+/-0.047 χ^2/NDF: 19880.4/62



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.371+/-0.003 χ^2/NDF:154.1/14

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.357+/-0.003 χ^2/NDF:258.2/12

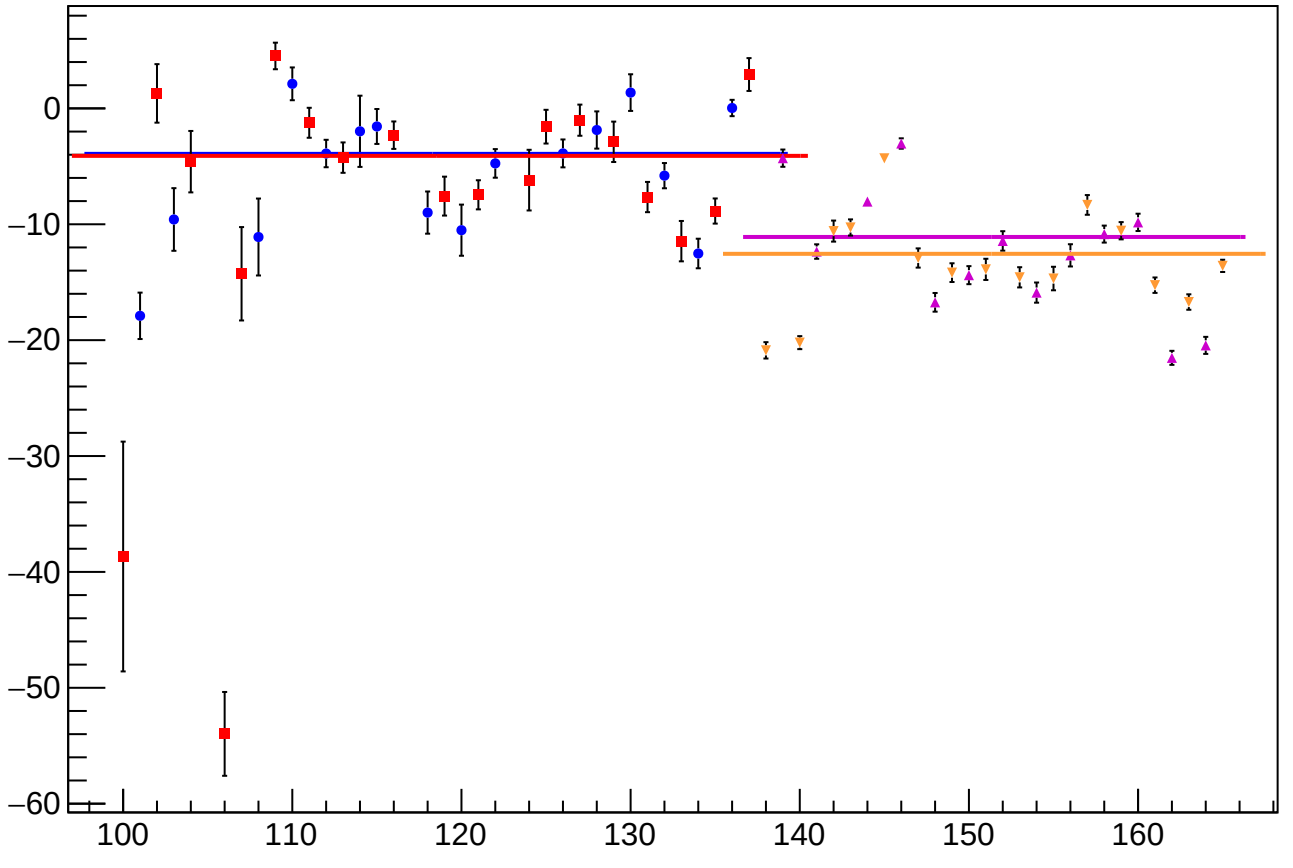
Left: 0.364+/-0.002 χ^2/NDF: 421.8/27

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.349+/-0.003 χ^2/NDF:964.7/28

Out: 0.359+/-0.003 χ^2/NDF:1429.9/33

All: 0.354+/-0.002 χ^2/NDF: 2399.8/62



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.550+/-0.175 χ^2/NDF:886.3/14

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.095+/-0.183 χ^2/NDF:1024.9/12

Left: -11.853+/-0.126 χ^2/NDF: 1944.3/27

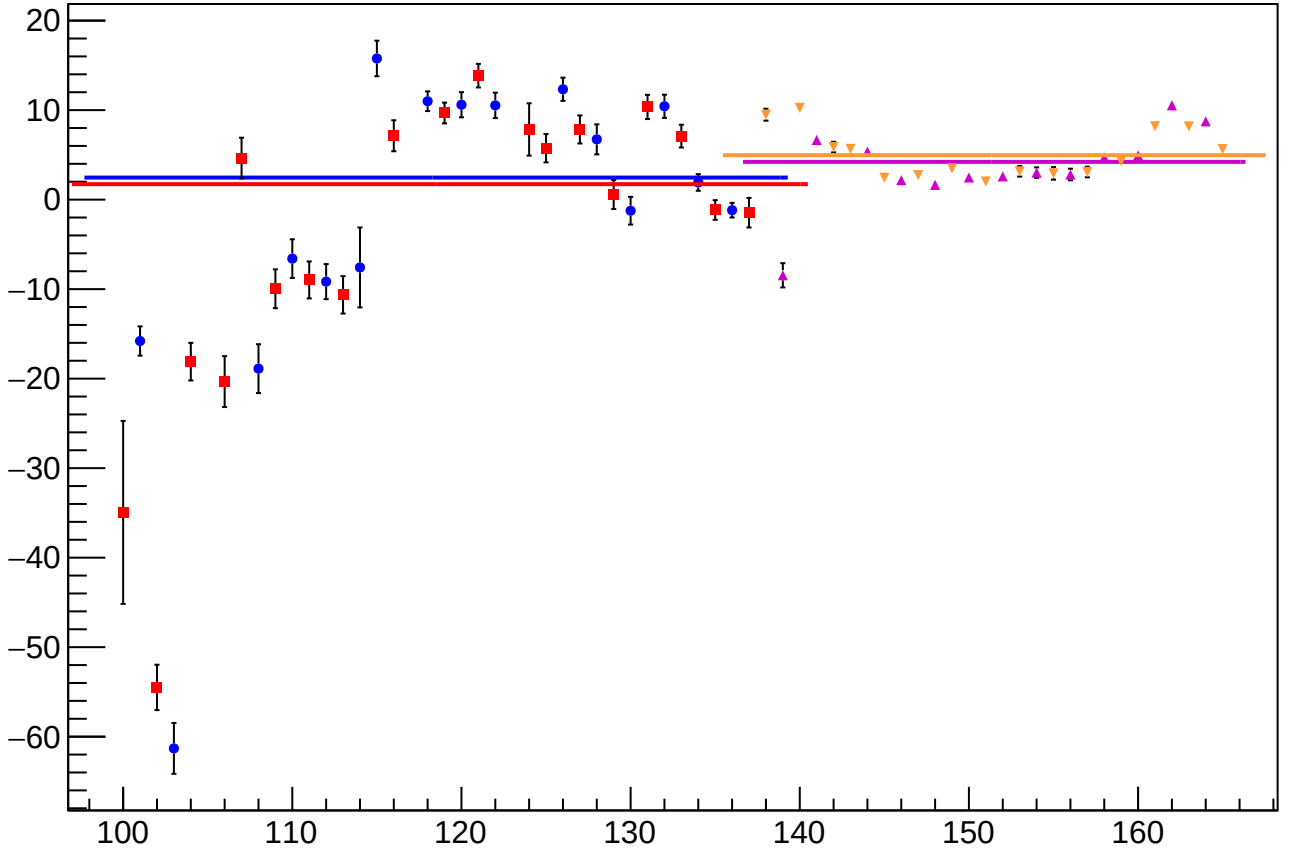
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -9.533+/-0.161 χ^2/NDF:1549.6/28

Out: -10.911+/-0.157 χ^2/NDF:1705.7/33

All: -10.240+/-0.113 χ^2/NDF: 3292.6/62

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: 4.965+/-0.124 χ^2/NDF:452.3/14

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.217+/-0.124 χ^2/NDF:519.6/12

Left: 4.593+/-0.088 χ^2/NDF: 990.1/27

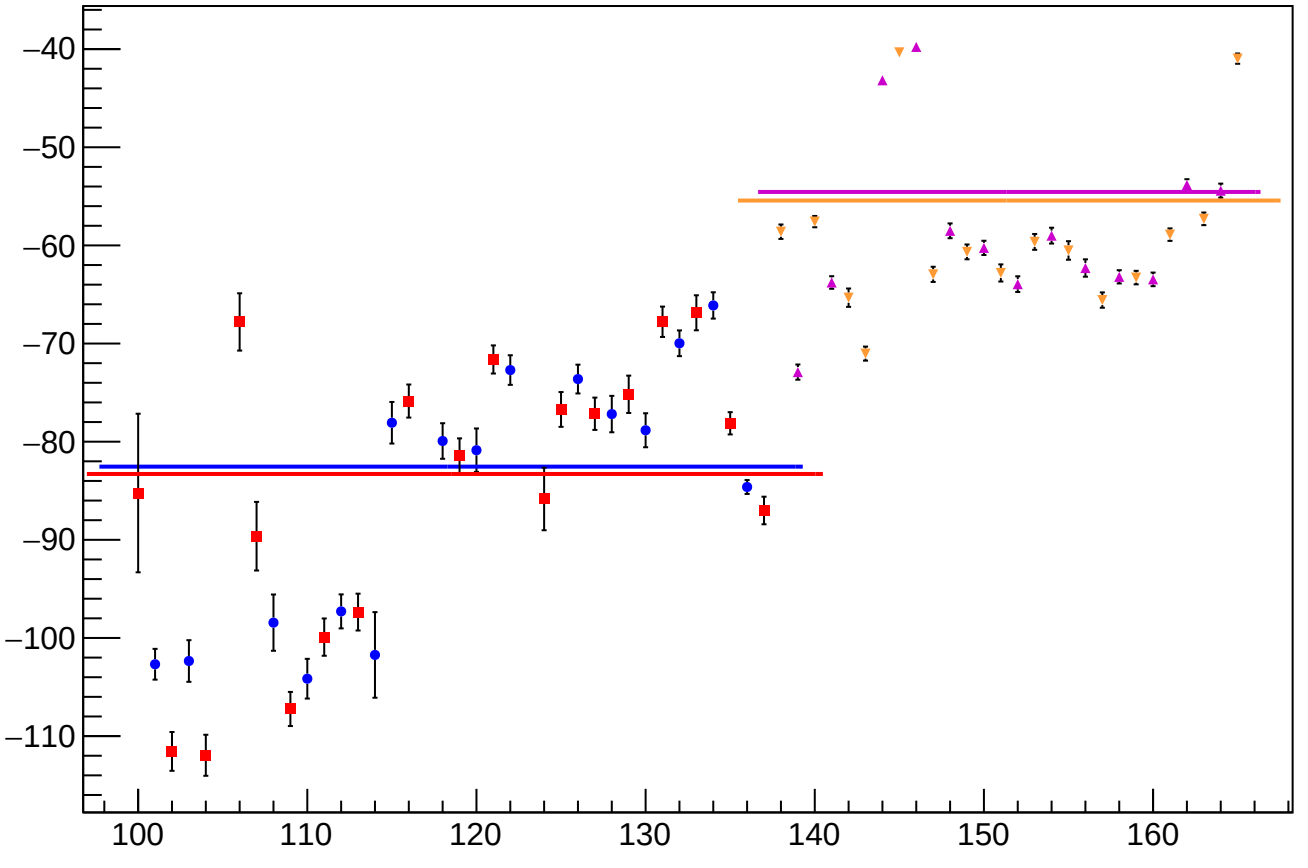
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.027+/-0.117 χ^2/NDF:1587.8/28

Out: 4.664+/-0.118 χ^2/NDF:1499.2/33

All: 4.345+/-0.083 χ^2/NDF: 3101.6/62

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: -55.428+/-0.172 χ^2/NDF:3363.8/14

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -54.553+/-0.177 χ^2/NDF:3263.7/12

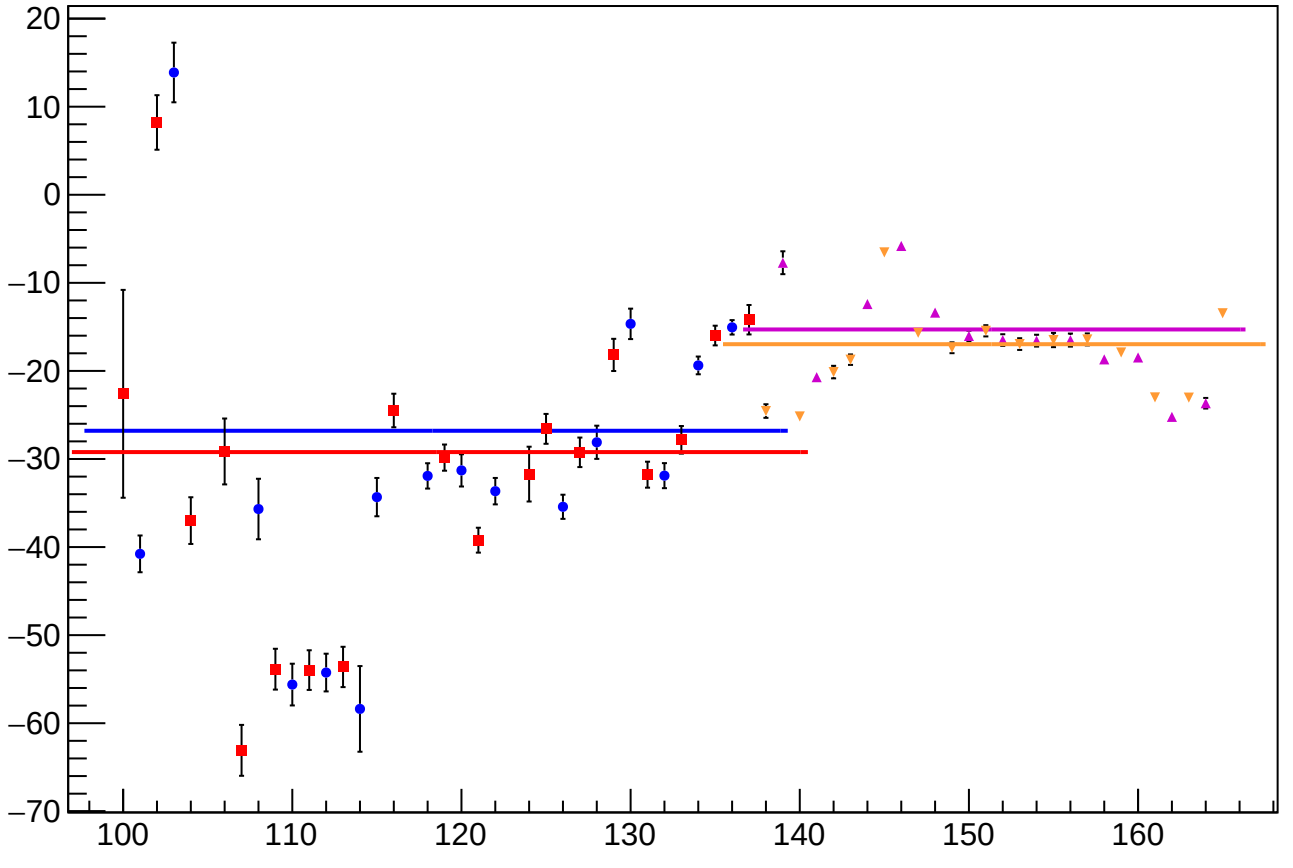
Left: -55.003+/-0.124 χ^2/NDF: 6640.0/27

Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.473+/-0.161 χ^2/NDF:8474.3/28

Out: -59.539+/-0.159 χ^2/NDF:8312.5/33

All: -59.506+/-0.113 χ^2/NDF: 16786.9/62



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.967+/-0.143 χ^2/NDF:1539.3/14

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.293+/-0.146 χ^2/NDF:1732.0/12

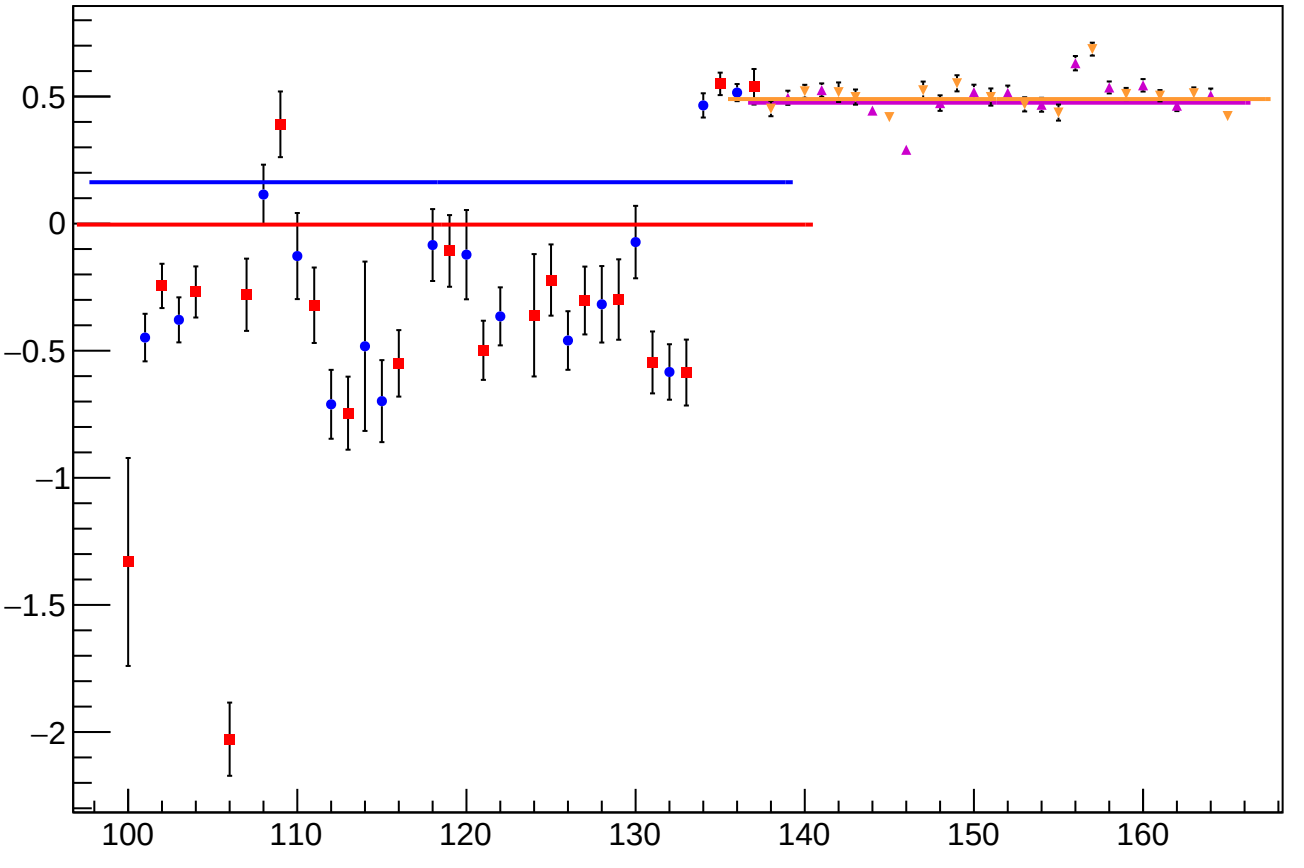
Left: -16.147+/-0.102 χ^2/NDF: 3338.7/27

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -16.666+/-0.137 χ^2/NDF:3440.1/28

Out: -18.176+/-0.135 χ^2/NDF:3227.6/33

All: -17.427+/-0.096 χ^2/NDF: 6729.4/62



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.490+/-0.007 χ^2/NDF:104.7/14

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.476+/-0.007 χ^2/NDF:154.3/12

Left: 0.483+/-0.005 χ^2/NDF: 261.3/27

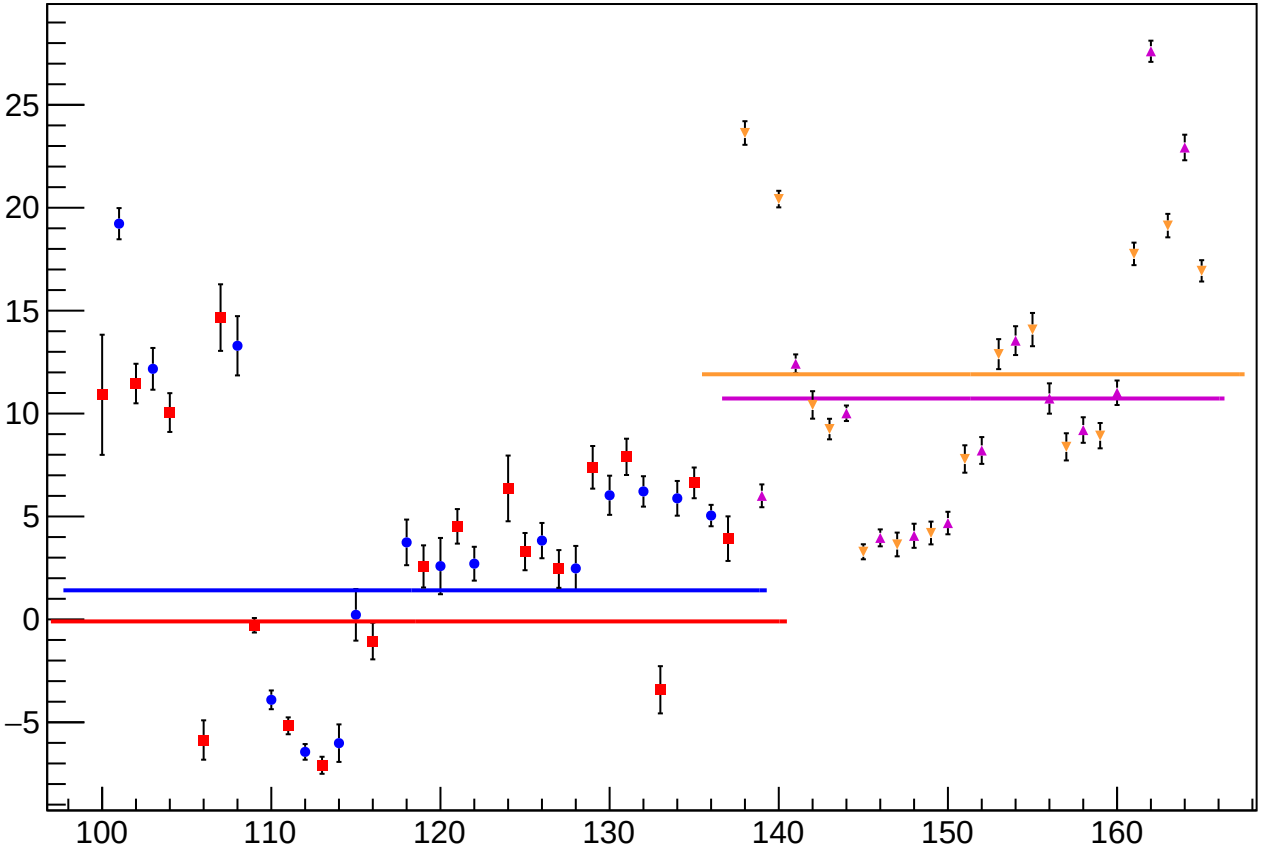
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.446+/-0.007 χ^2/NDF:770.5/28

Out: 0.457+/-0.006 χ^2/NDF:1059.7/33

All: 0.452+/-0.005 χ^2/NDF: 1831.5/62

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 11.909+/-0.141 χ^2/NDF:2322.0/14

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 10.732+/-0.148 χ^2/NDF:2109.7/12

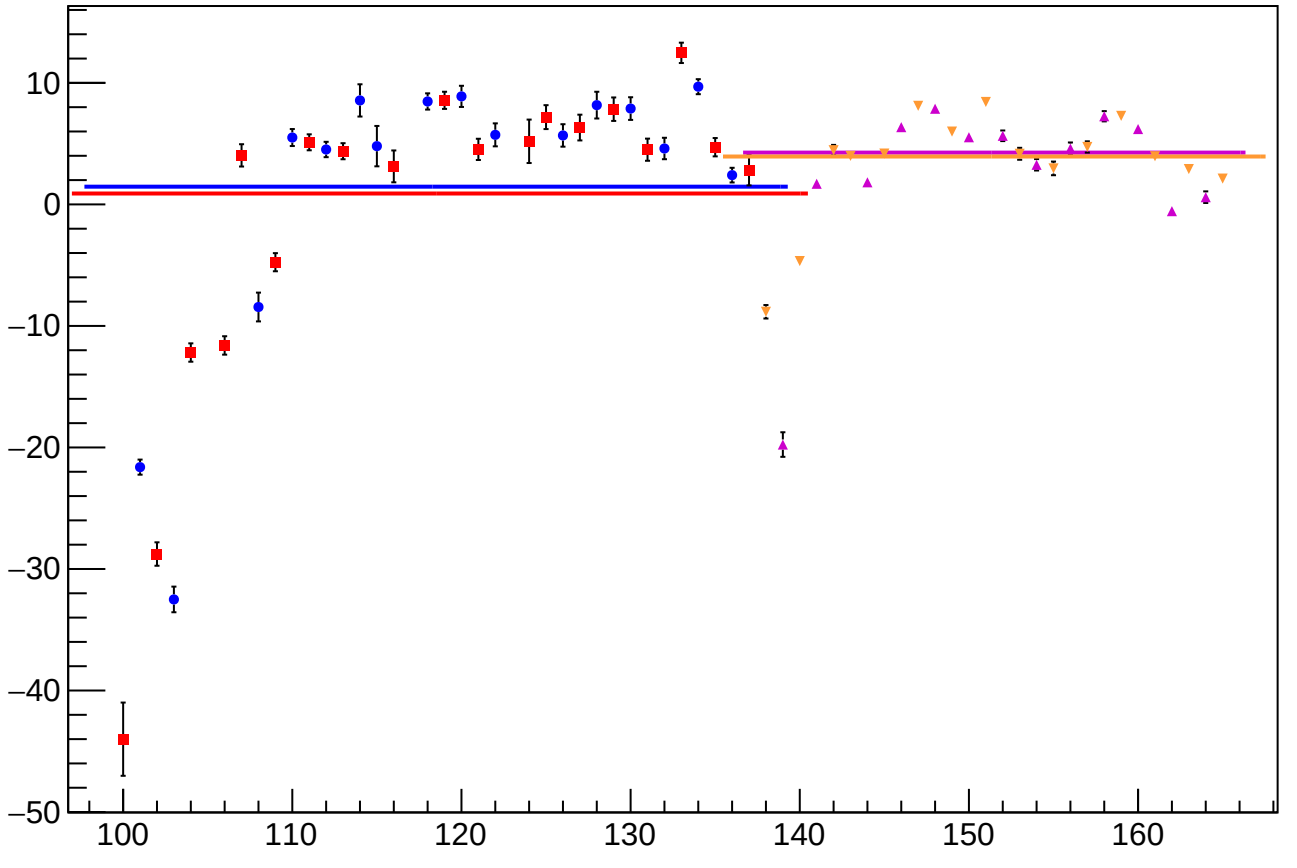
Left: 11.349+/-0.102 χ^2/NDF: 4464.7/27

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 7.035+/-0.115 χ^2/NDF:5195.2/28

Out: 6.906+/-0.108 χ^2/NDF:6470.6/33

All: 6.966+/-0.079 χ^2/NDF: 11666.4/62



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.940+/-0.098 χ^2/NDF:1733.8/14

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.262+/-0.101 χ^2/NDF:1258.1/12

Left: 4.096+/-0.071 χ^2/NDF: 2997.2/27

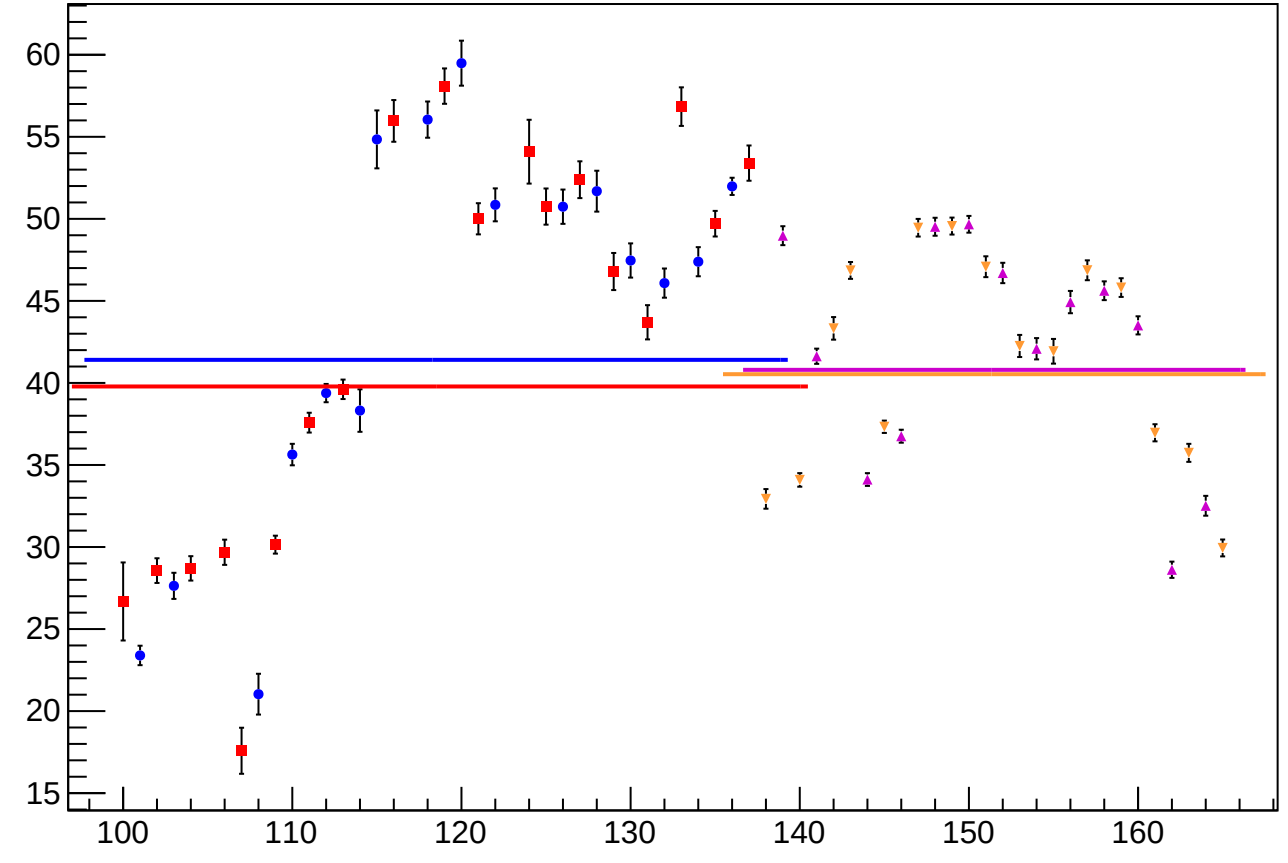
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.706+/-0.091 χ^2/NDF:4490.6/28

Out: 3.357+/-0.088 χ^2/NDF:4294.4/33

All: 3.527+/-0.063 χ^2/NDF: 8792.6/62

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 40.533+/-0.139 χ^2/NDF:2082.4/14

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 40.798+/-0.144 χ^2/NDF:2178.4/12

Left: 40.661+/-0.100 χ^2/NDF: 4262.5/27

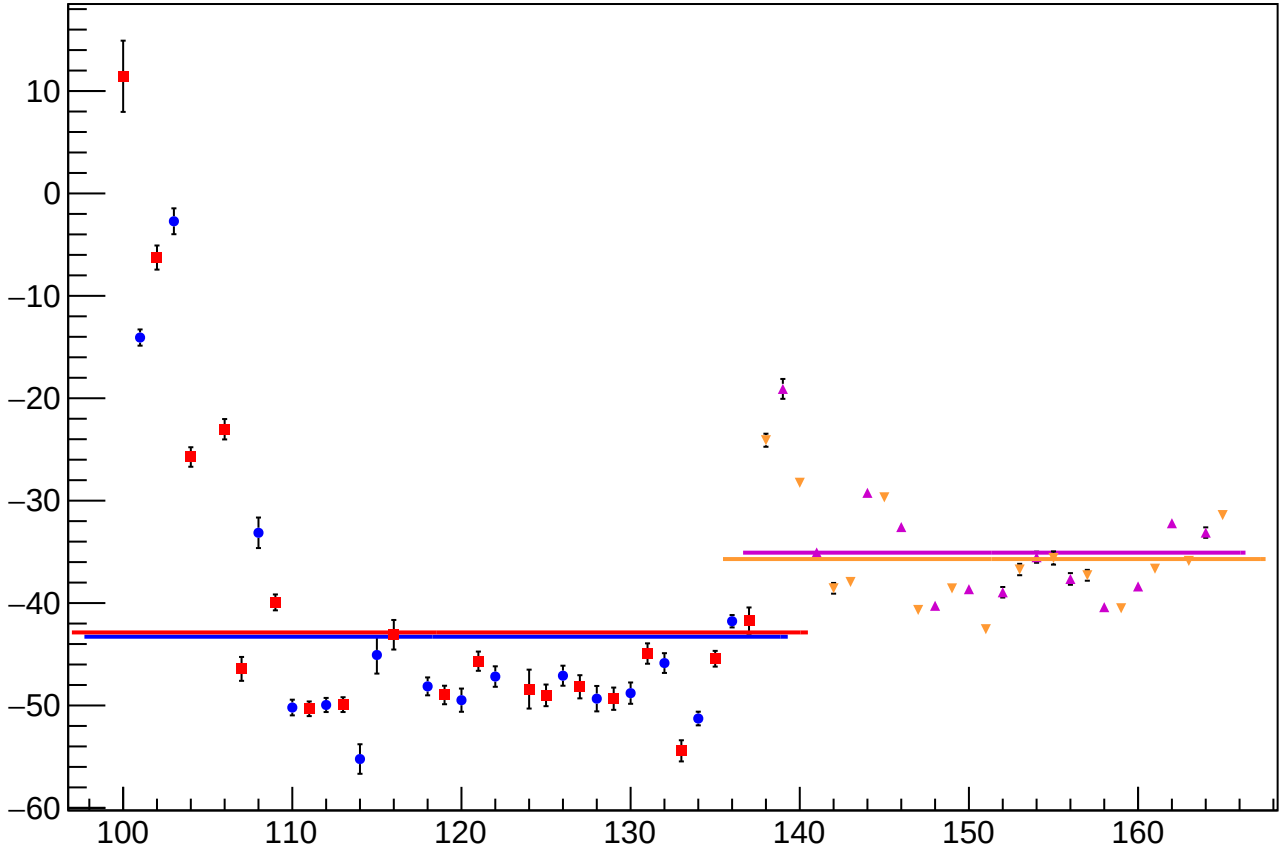
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.992+/-0.119 χ^2/NDF:4930.1/28

Out: 40.294+/-0.115 χ^2/NDF:4745.5/33

All: 40.630+/-0.083 χ^2/NDF: 9693.4/62

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.702+/-0.115 χ^2/NDF:1726.8/14

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.078+/-0.119 χ^2/NDF:1258.2/12

Left: -35.401+/-0.083 χ^2/NDF: 2999.3/27

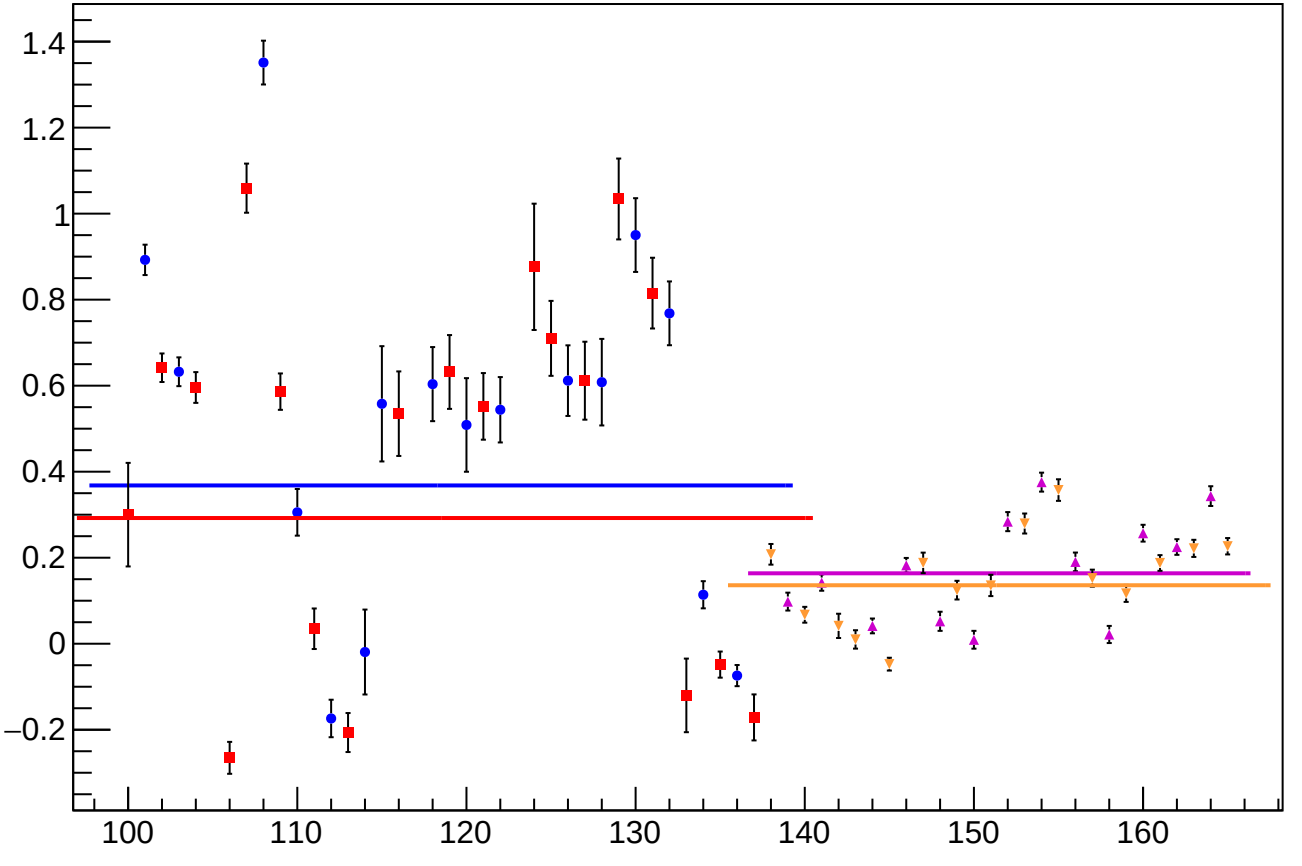
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.814+/-0.105 χ^2/NDF:5253.3/28

Out: -37.142+/-0.103 χ^2/NDF:4963.1/33

All: -36.982+/-0.074 χ^2/NDF: 10221.4/62

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.136+/-0.005 χ^2/NDF:392.1/14

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.164+/-0.006 χ^2/NDF:413.3/12

Left: 0.149+/-0.004 χ^2/NDF: 818.4/27

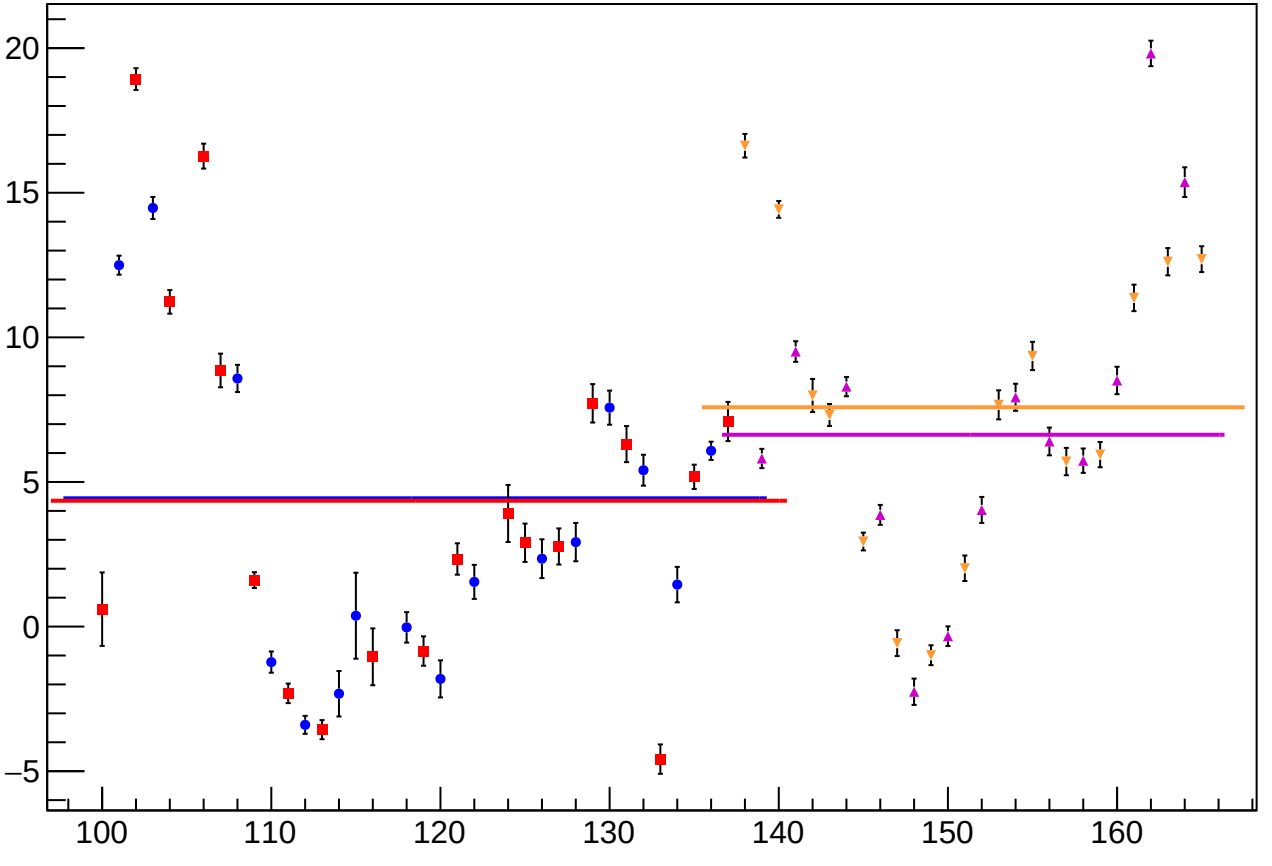
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.199+/-0.005 χ^2/NDF:1966.5/28

Out: 0.161+/-0.005 χ^2/NDF:1730.8/33

All: 0.180+/-0.004 χ^2/NDF: 3725.4/62

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.583+/-0.106 χ^2/NDF:2739.9/14

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 6.632+/-0.111 χ^2/NDF:2205.4/12

Left: 7.131+/-0.077 χ^2/NDF: 4983.6/27

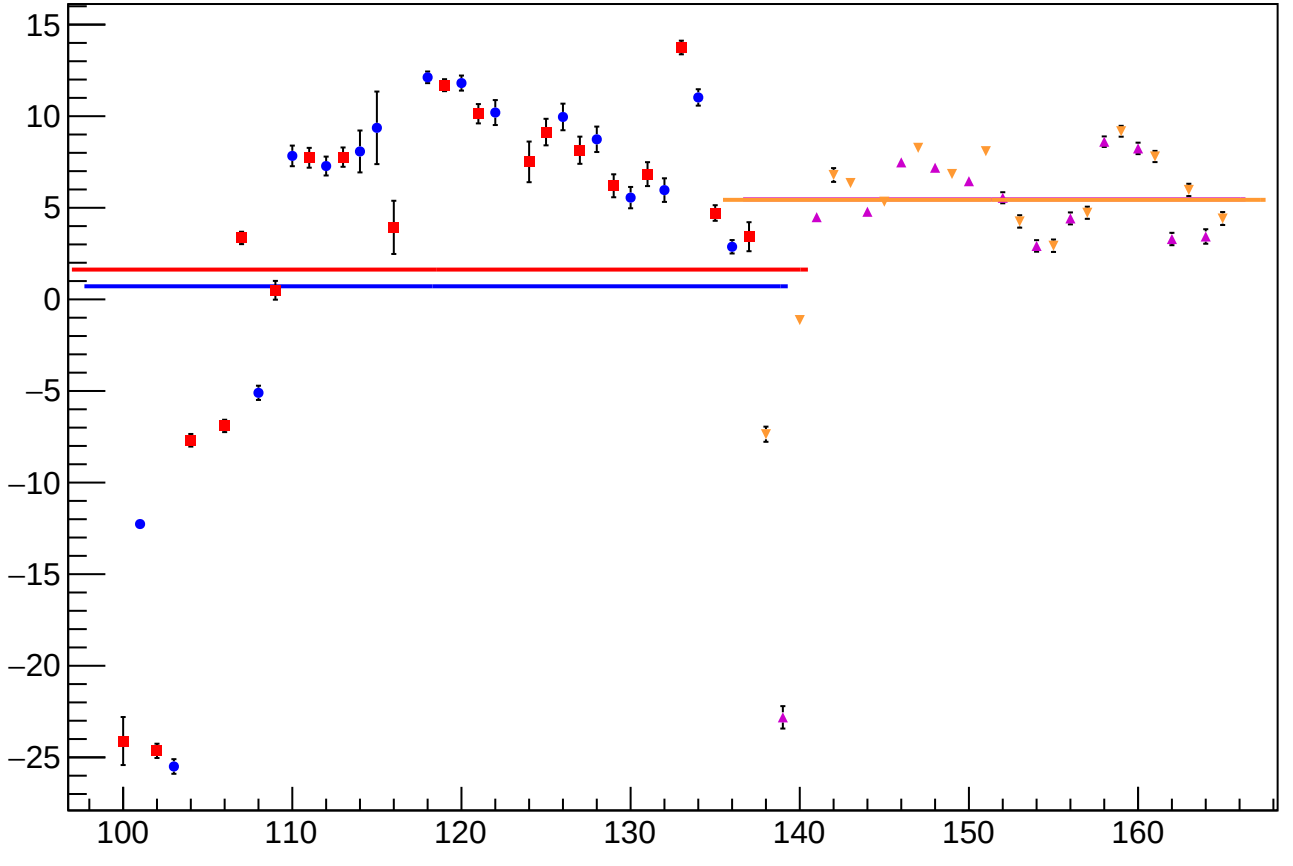
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.587+/-0.081 χ^2/NDF:5012.6/28

Out: 6.014+/-0.076 χ^2/NDF:7396.7/33

All: 5.813+/-0.055 χ^2/NDF: 12424.1/62

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: 5.434+/-0.074 χ^2/NDF:2343.3/14

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.460+/-0.078 χ^2/NDF:2671.1/12

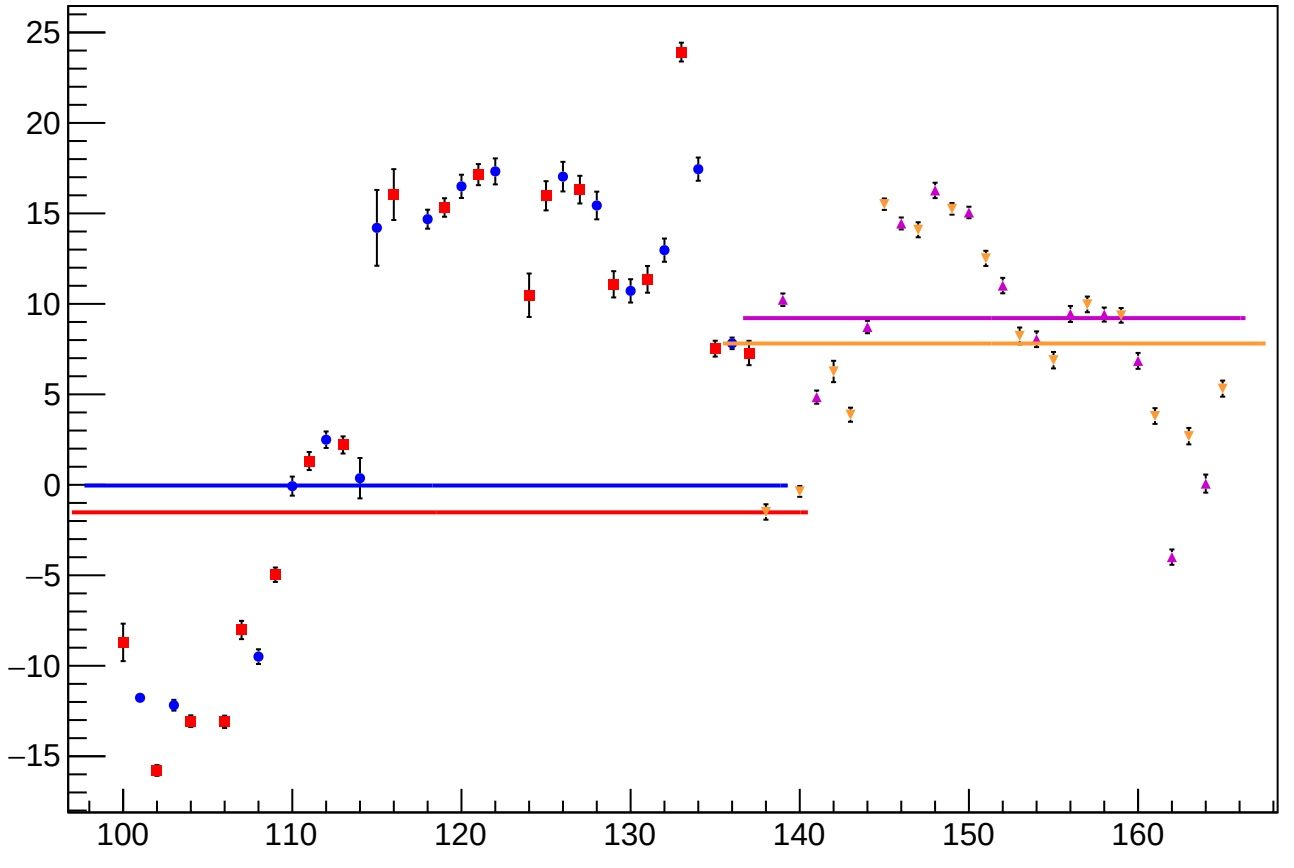
Left: 5.446+/-0.054 χ^2/NDF: 5014.4/27

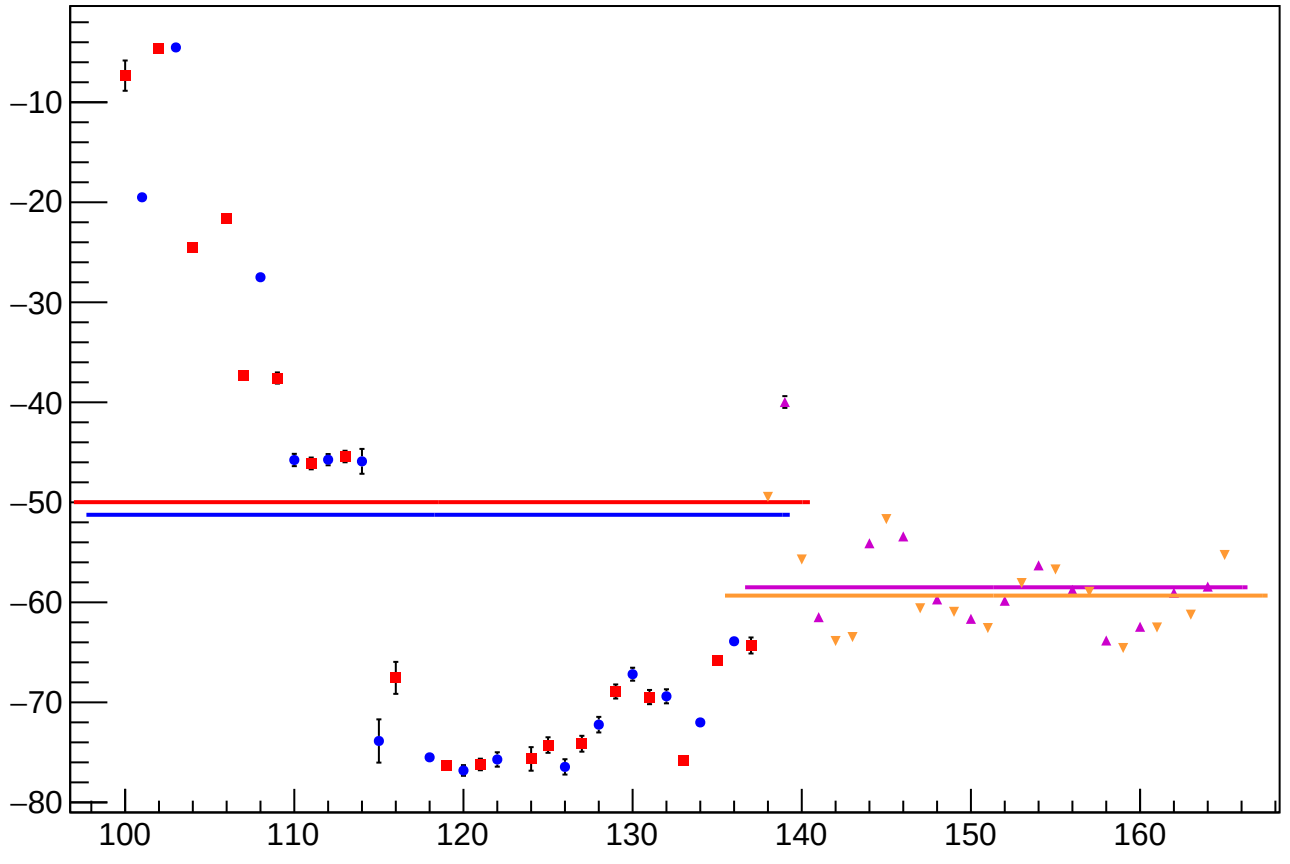
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.978+/-0.065 χ^2/NDF:14277.4/28

Out: 4.266+/-0.061 χ^2/NDF:12413.8/33

All: 4.130+/-0.045 χ^2/NDF: 26701.6/62


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: -0.038+/-0.119 χ²/NDF: 9274.3/15
Left Out: 7.812+/-0.104 χ²/NDF:3101.3/14
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 9.214+/-0.108 χ²/NDF:2371.9/12
Left: 8.484+/-0.075 χ²/NDF: 5561.3/27
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 5.056+/-0.080 χ²/NDF:14954.1/28
Out: 3.637+/-0.077 χ²/NDF:18866.0/33
All: 4.319+/-0.055 χ²/NDF: 33983.5/62



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.324+/-0.086 χ^2/NDF:2289.2/14

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.494+/-0.091 χ^2/NDF:2358.3/12

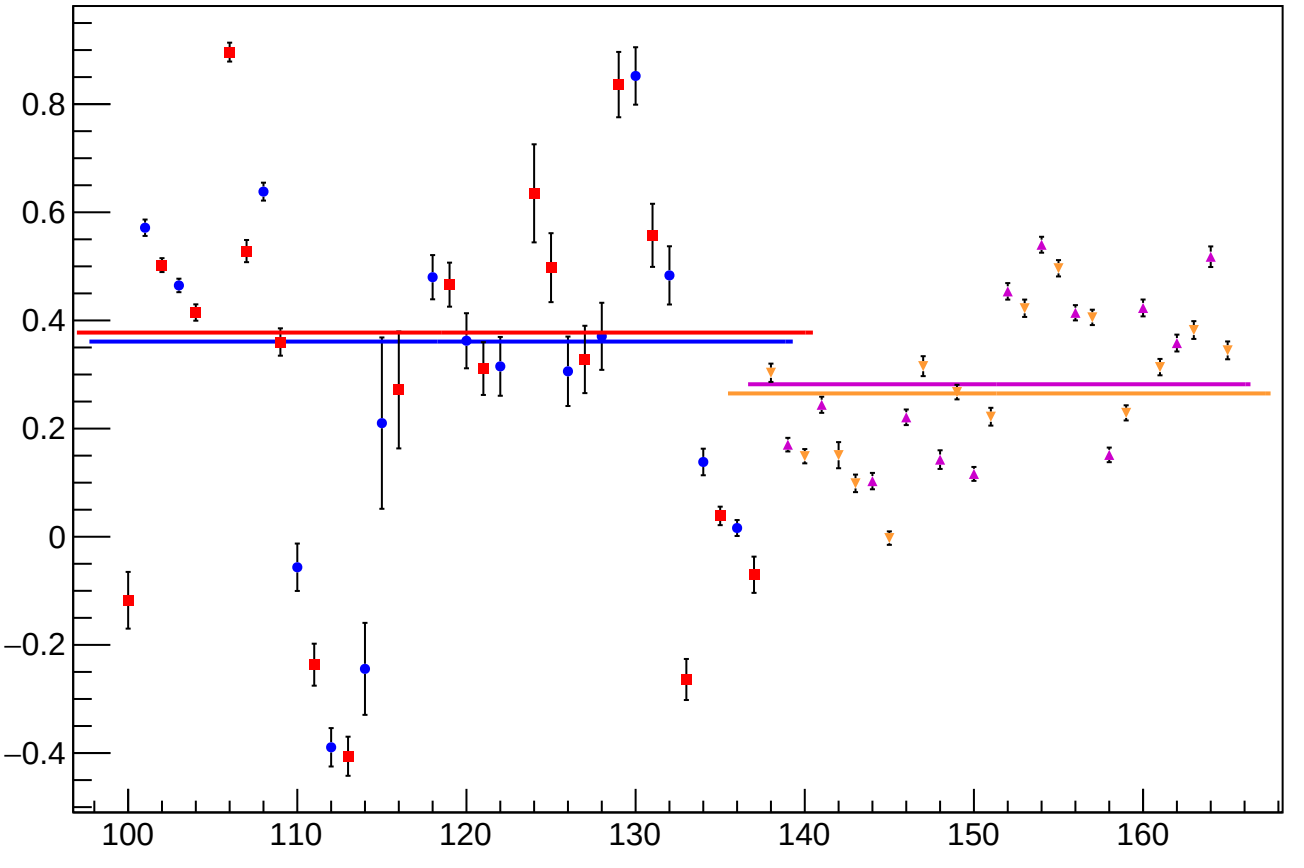
Left: -58.930+/-0.063 χ^2/NDF: 4691.4/27

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.255+/-0.075 χ^2/NDF:38093.2/28

Out: -56.489+/-0.072 χ^2/NDF:39740.3/33

All: -56.377+/-0.052 χ^2/NDF: 77838.5/62



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.265+/-0.004 χ^2/NDF:1204.5/14

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.282+/-0.004 χ^2/NDF:1347.5/12

Left: 0.273+/-0.003 χ^2/NDF: 2560.9/27

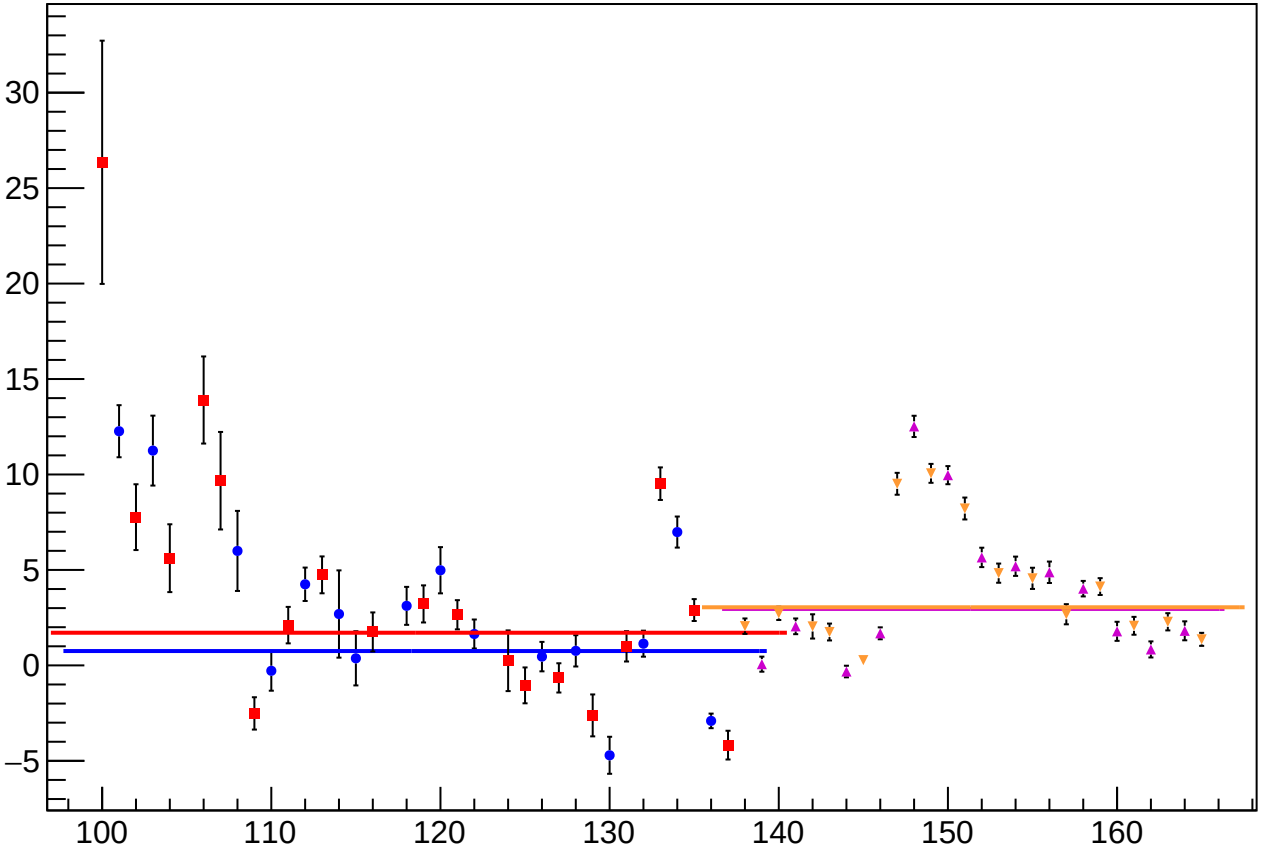
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.305+/-0.003 χ^2/NDF:3316.4/28

Out: 0.298+/-0.003 χ^2/NDF:4233.4/33

All: 0.302+/-0.002 χ^2/NDF: 7551.7/62

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: 3.044+/-0.112 χ^2/NDF:595.4/14

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.958+/-0.118 χ^2/NDF:806.9/12

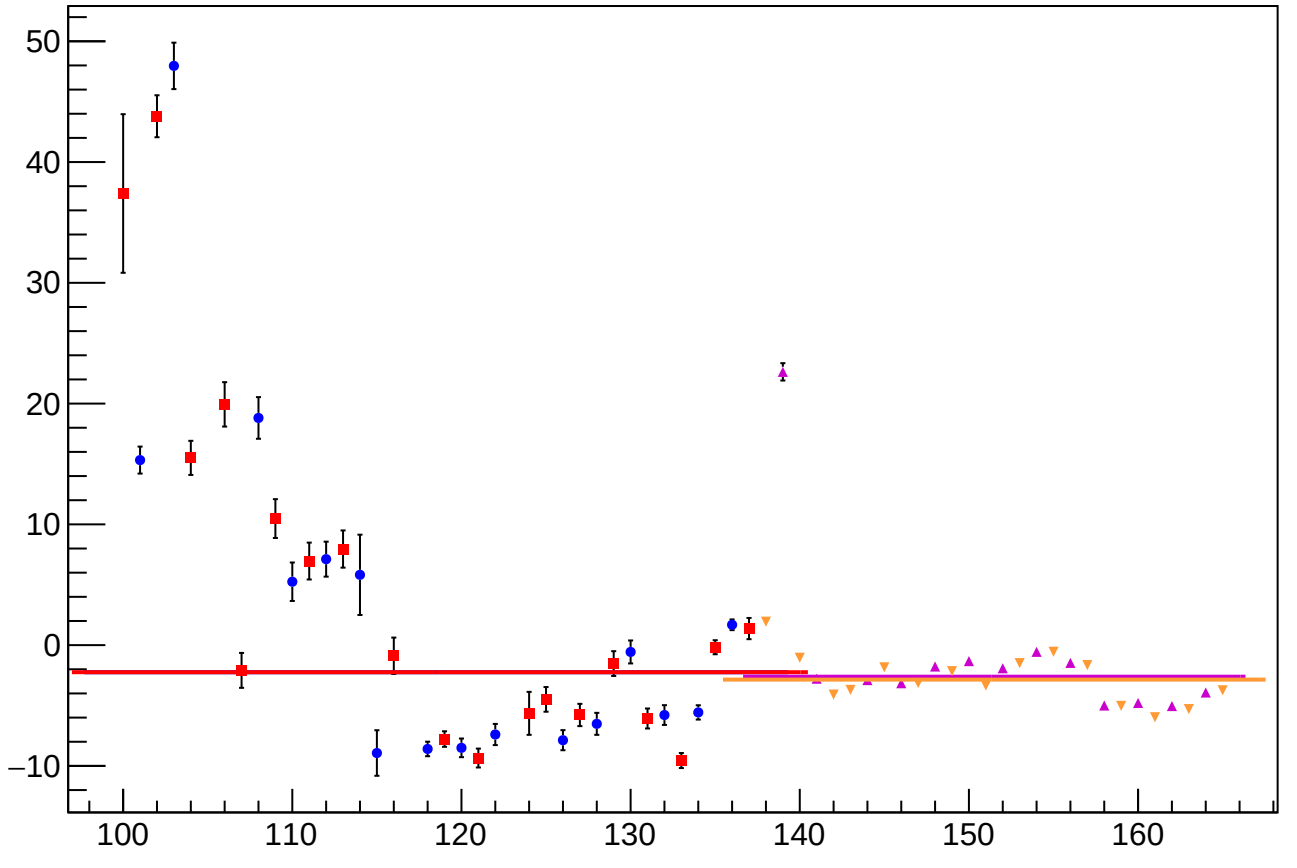
Left: 3.004+/-0.081 χ^2/NDF: 1402.6/27

Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

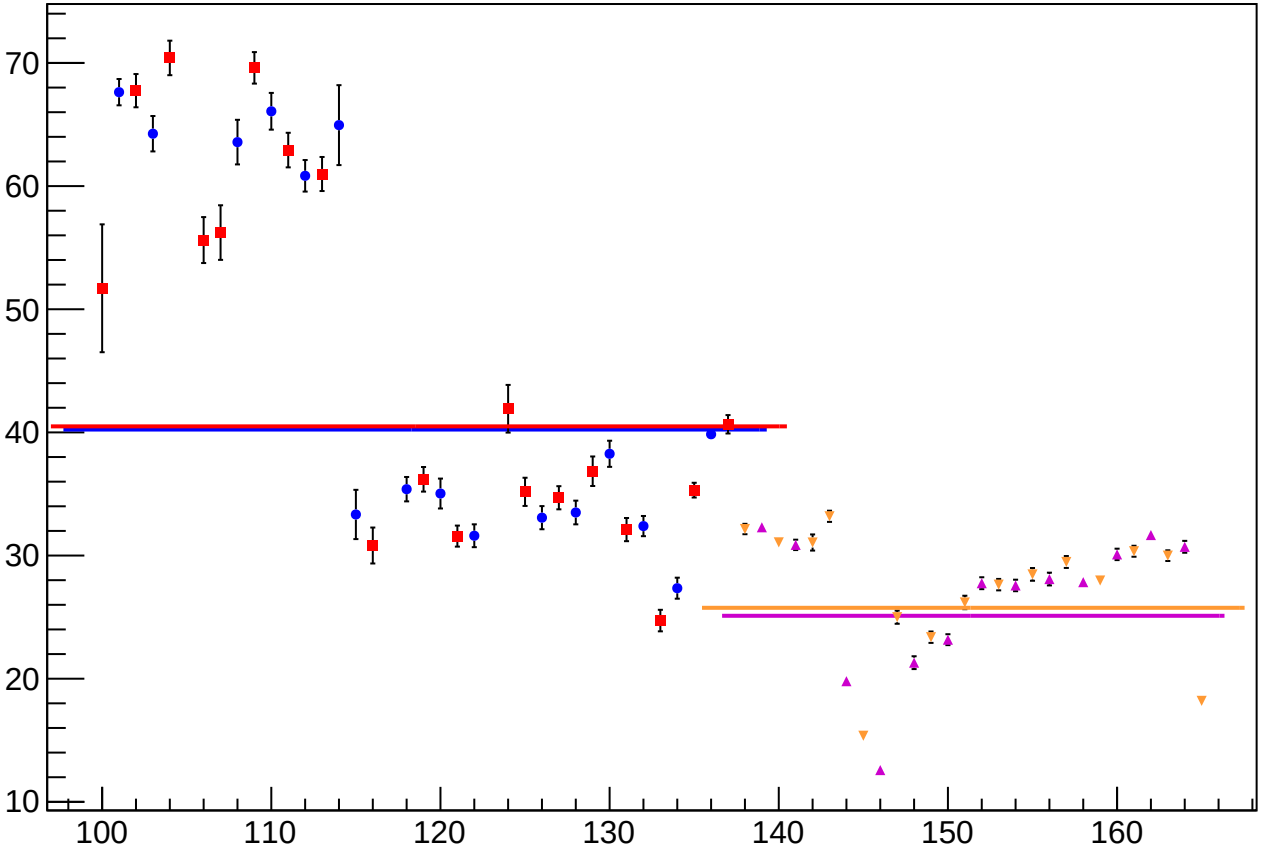
In: 2.437+/-0.103 χ^2/NDF:1219.4/28

Out: 2.777+/-0.100 χ^2/NDF:917.9/33

All: 2.613+/-0.072 χ^2/NDF: 2142.9/62


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
Right In: -2.245+/-0.215 χ²/NDF: 1572.5/15
Left Out: -2.854+/-0.080 χ²/NDF:517.0/14
Right Out: -2.242+/-0.229 χ²/NDF: 1555.6/18
Left In: -2.614+/-0.083 χ²/NDF:1509.5/12
Left: -2.738+/-0.057 χ²/NDF: 2031.0/27
Right: -2.244+/-0.157 χ²/NDF: 3128.1/34
In: -2.566+/-0.077 χ²/NDF:3084.6/28
Out: -2.788+/-0.075 χ²/NDF:2079.1/33
All: -2.680+/-0.054 χ²/NDF: 5167.9/62

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: 25.757+/-0.110 χ^2/NDF:3101.7/14

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 25.109+/-0.115 χ^2/NDF:3229.4/12

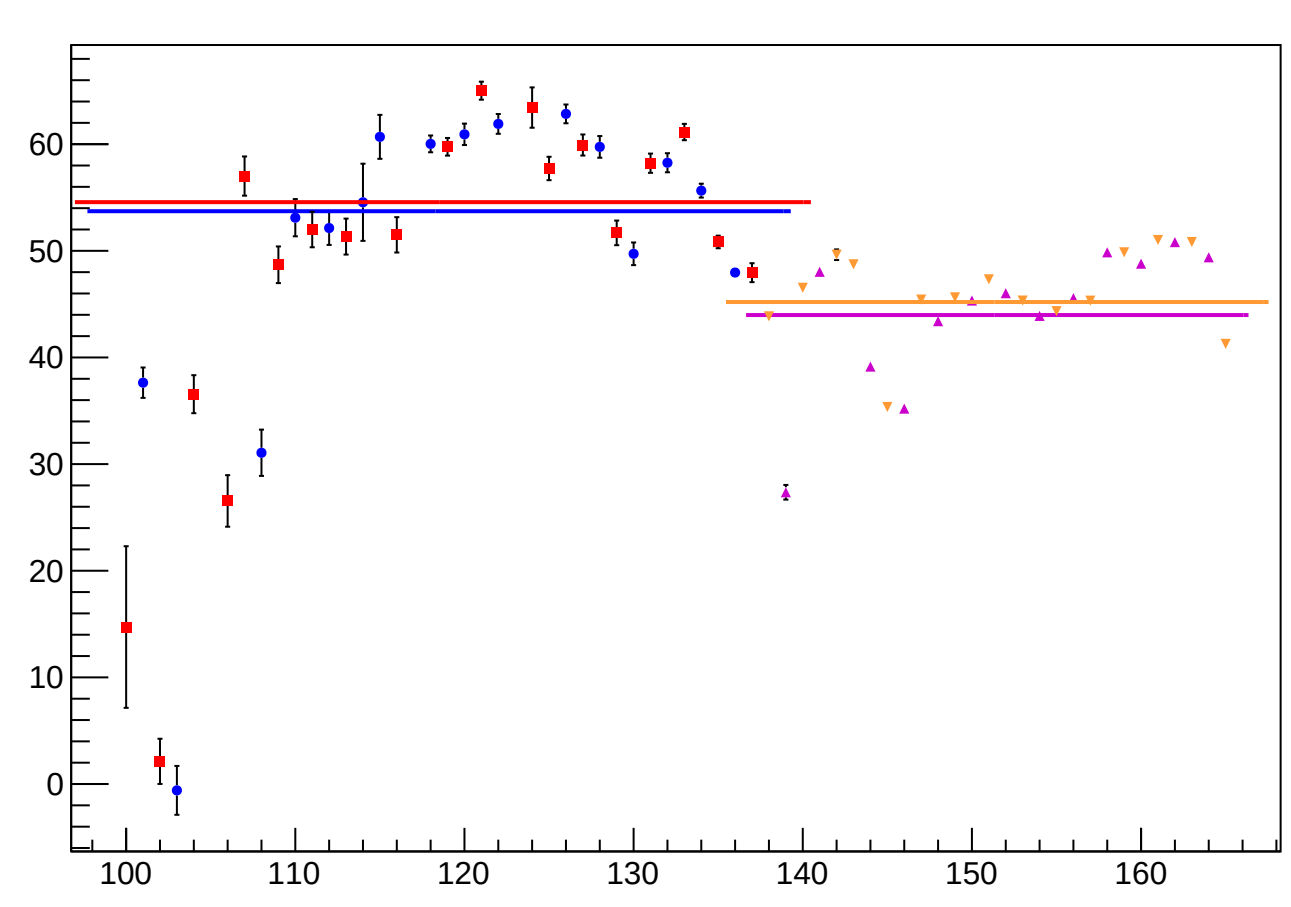
Left: 25.447+/-0.079 χ^2/NDF: 6347.8/27

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 28.087+/-0.103 χ^2/NDF:8949.5/28

Out: 28.126+/-0.100 χ^2/NDF:8704.0/33

All: 28.107+/-0.072 χ^2/NDF: 17653.6/62



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.199+/-0.091 χ^2/NDF:2820.8/14

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.978+/-0.096 χ^2/NDF:3646.4/12

Left: 44.616+/-0.066 χ^2/NDF: 6552.5/27

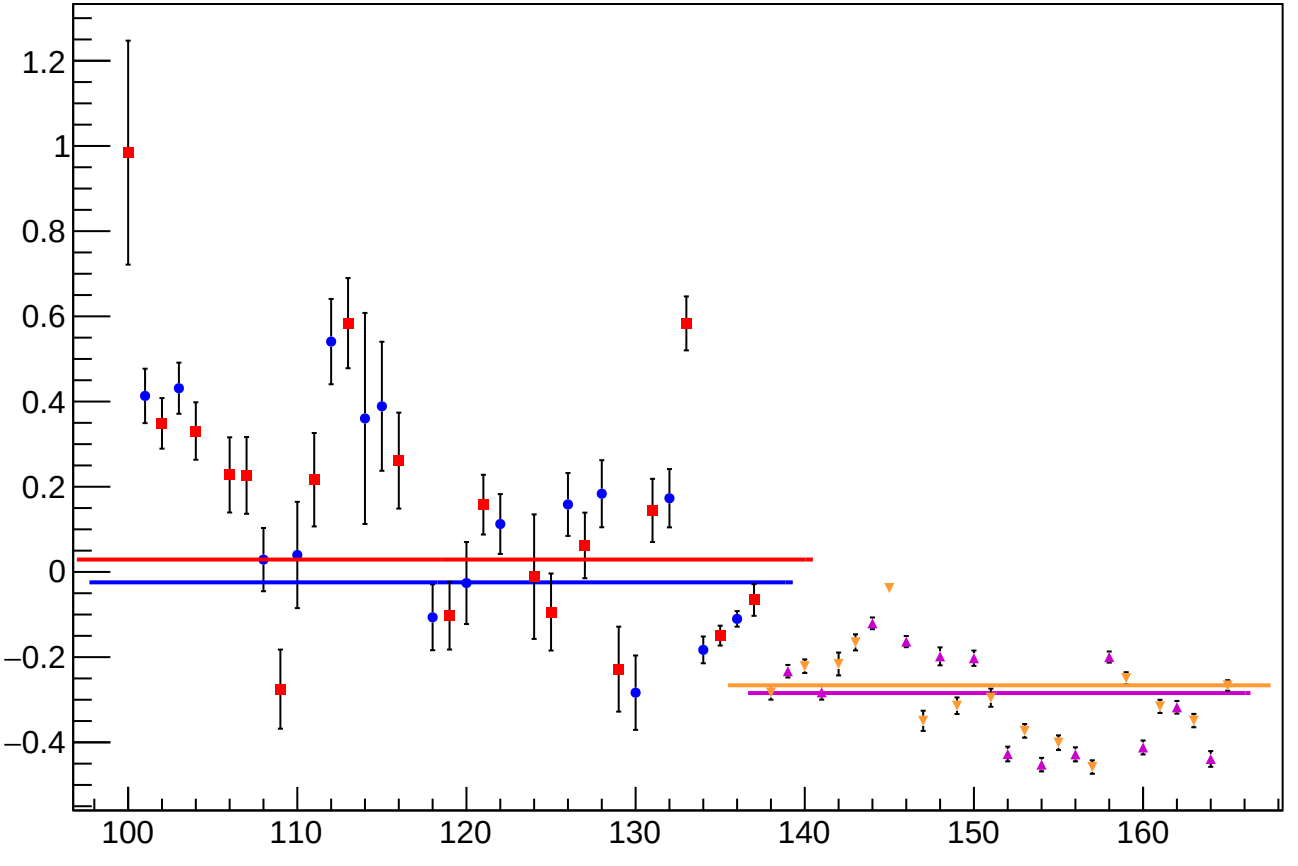
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 45.321+/-0.089 χ^2/NDF:6440.1/28

Out: 46.258+/-0.086 χ^2/NDF:5349.2/33

All: 45.804+/-0.062 χ^2/NDF: 11846.8/62

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.266+/-0.004 χ^2/NDF:800.9/14

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.284+/-0.004 χ^2/NDF:708.2/12

Left: -0.275+/-0.003 χ^2/NDF: 1518.2/27

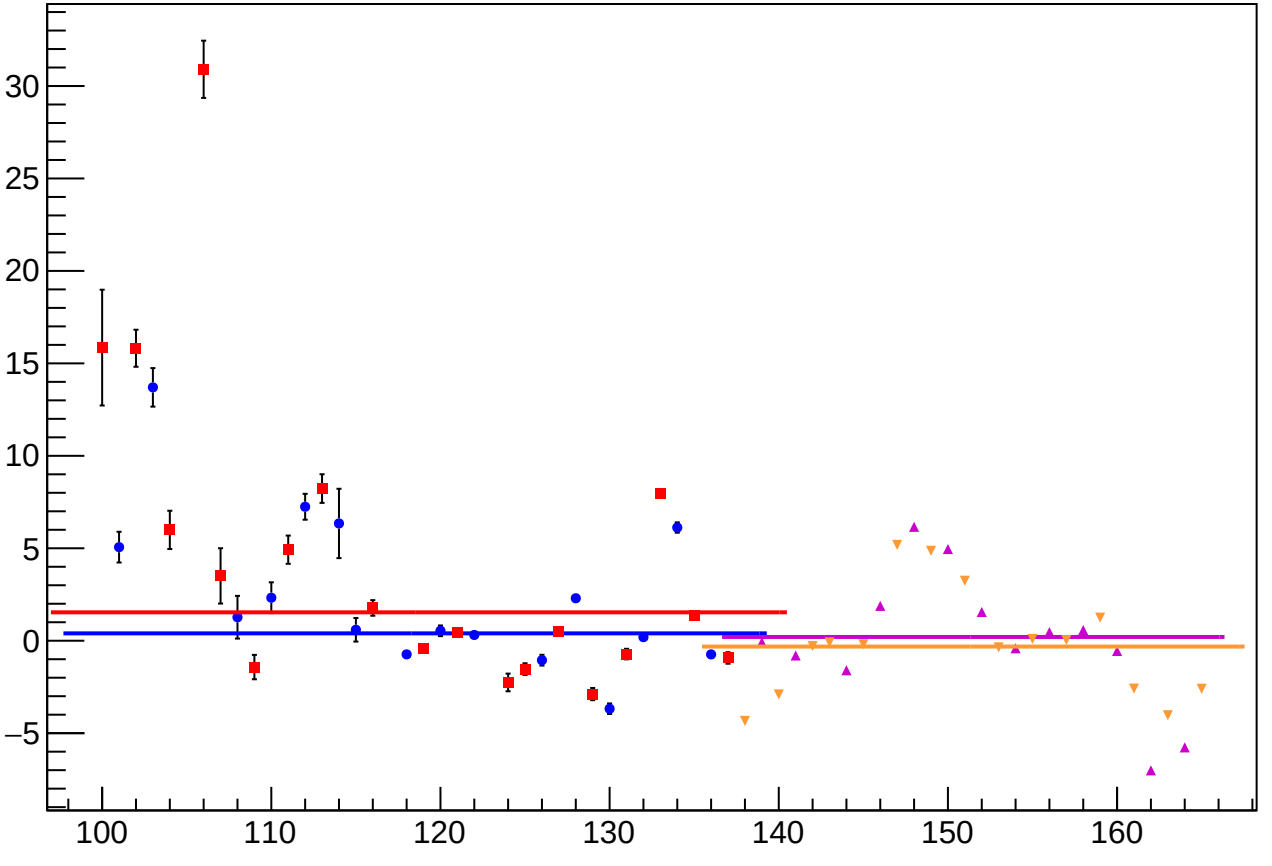
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.257+/-0.004 χ^2/NDF:1306.7/28

Out: -0.243+/-0.004 χ^2/NDF:1472.8/33

All: -0.250+/-0.003 χ^2/NDF: 2785.6/62

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.315+/-0.043 χ^2/NDF:4063.2/14

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.204+/-0.044 χ^2/NDF:4841.1/12

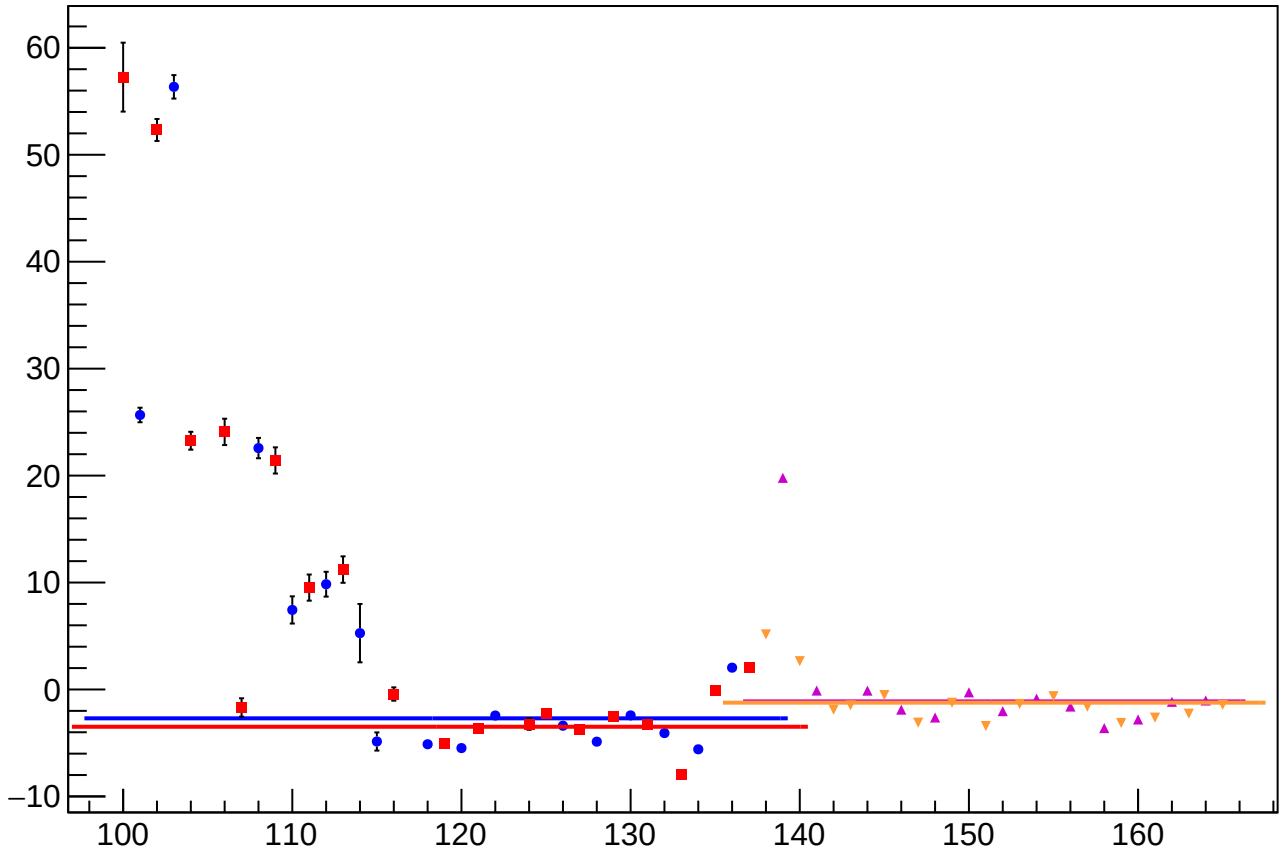
Left: -0.064+/-0.031 χ^2/NDF: 8975.3/27

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.252+/-0.038 χ^2/NDF:5943.3/28

Out: 0.112+/-0.038 χ^2/NDF:6905.3/33

All: 0.181+/-0.027 χ^2/NDF: 12855.3/62



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.234+/-0.030 χ^2/NDF:4174.3/14

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.113+/-0.031 χ^2/NDF:8064.0/12

Left: -1.174+/-0.022 χ^2/NDF: 12246.0/27

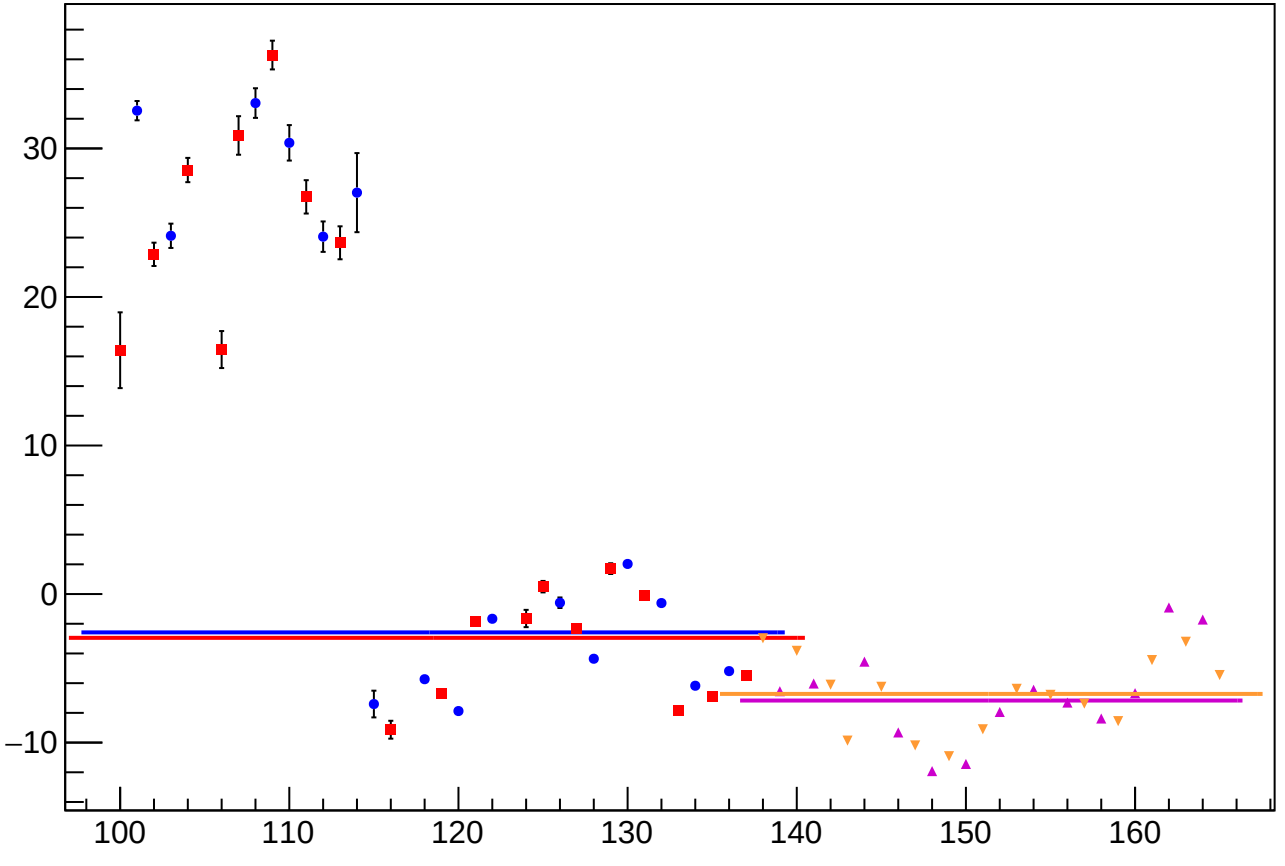
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.368+/-0.028 χ^2/NDF:15589.7/28

Out: -1.584+/-0.028 χ^2/NDF:12187.2/33

All: -1.477+/-0.020 χ^2/NDF: 27806.3/62

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.724+/-0.042 χ^2/NDF:3435.3/14

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.170+/-0.043 χ^2/NDF:4607.4/12

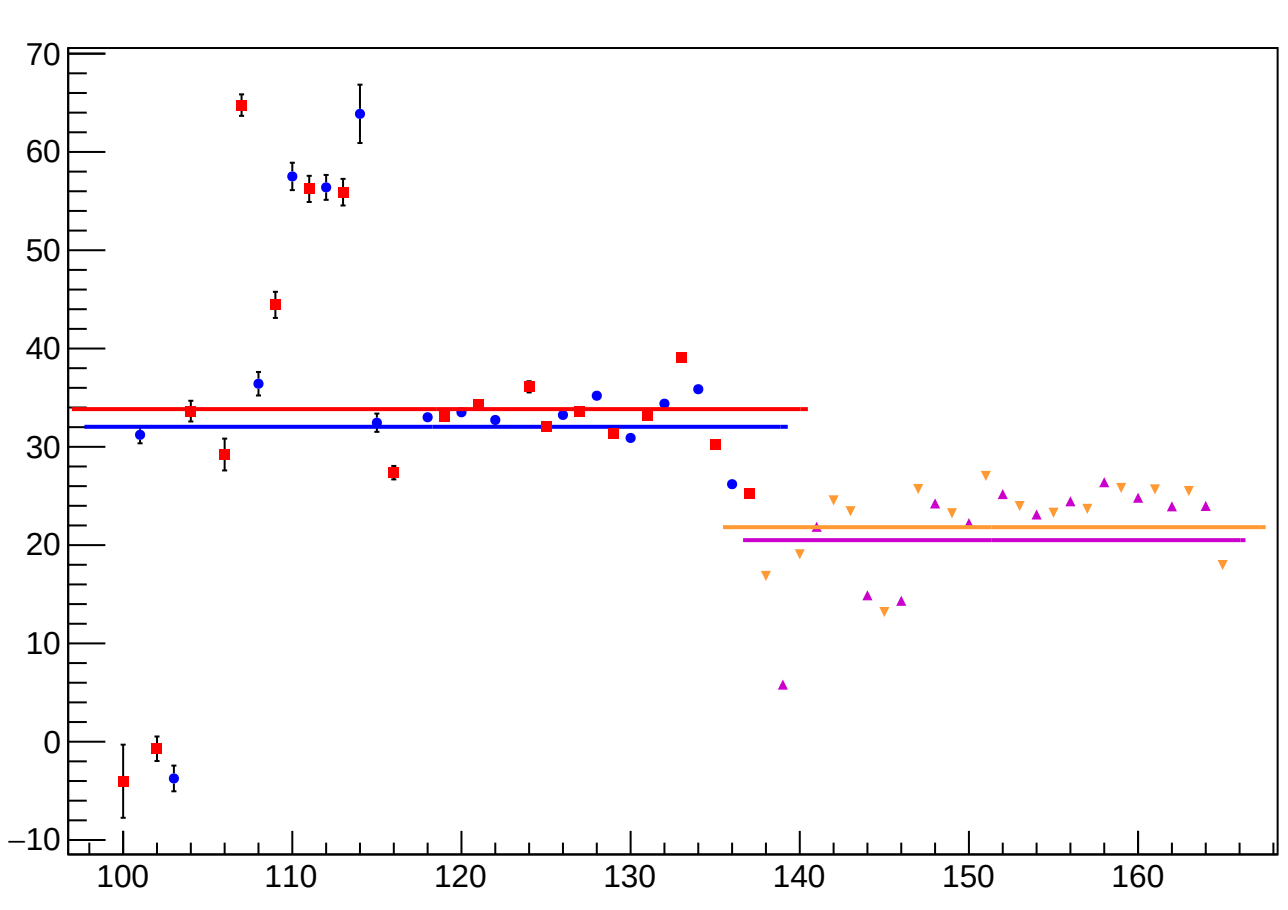
Left: -6.942+/-0.030 χ^2/NDF: 8097.5/27

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.199+/-0.038 χ^2/NDF:15171.0/28

Out: -5.979+/-0.038 χ^2/NDF:13218.0/33

All: -6.088+/-0.027 χ^2/NDF: 28405.7/62



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.825+/-0.035 χ^2/NDF:16357.8/14

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.506+/-0.036 χ^2/NDF:18990.0/12

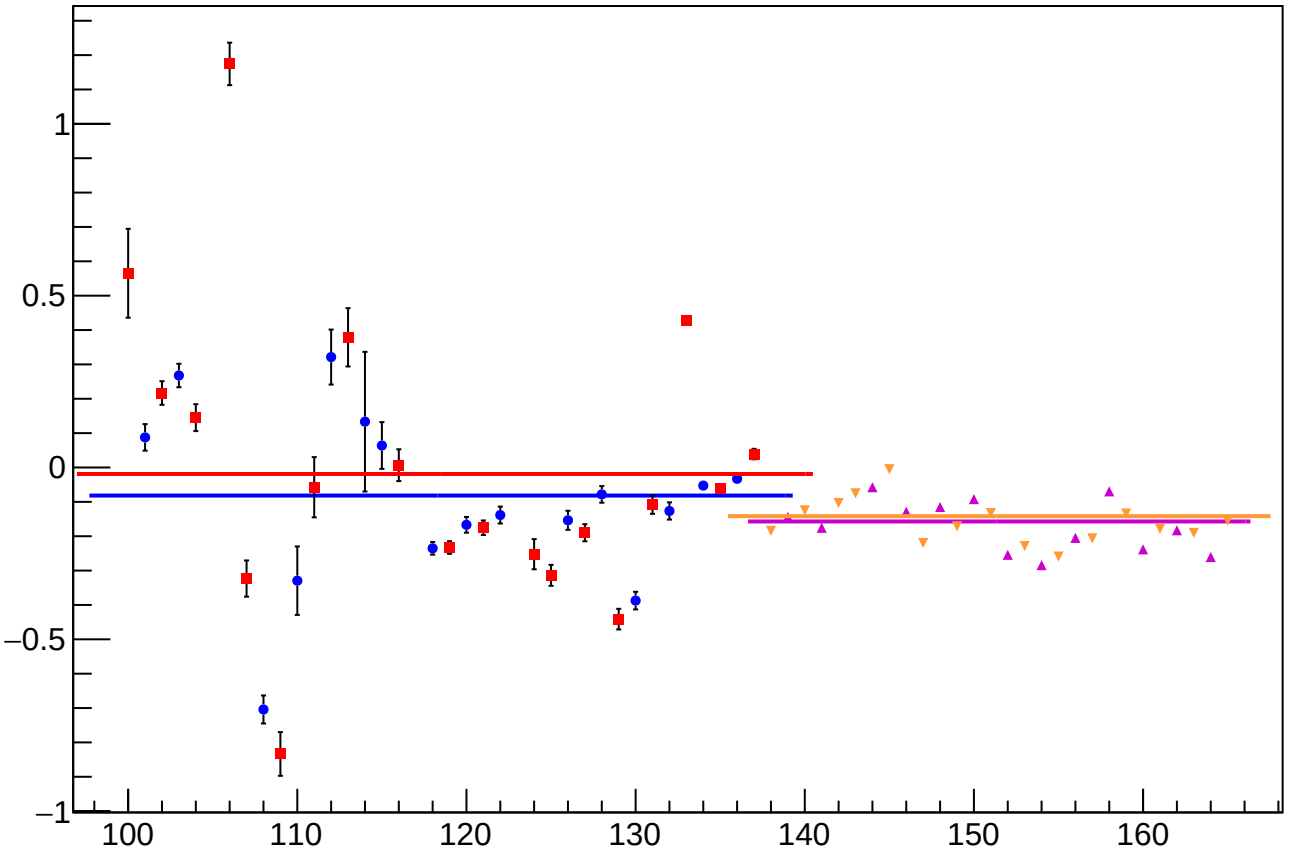
Left: 21.180+/-0.025 χ^2/NDF: 36027.0/27

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.413+/-0.033 χ^2/NDF:39043.2/28

Out: 23.726+/-0.032 χ^2/NDF:38828.5/33

All: 23.081+/-0.023 χ^2/NDF: 78673.9/62



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.142+/-0.002 χ^2/NDF:2149.1/14

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.157+/-0.002 χ^2/NDF:1829.0/12

Left: -0.149+/-0.001 χ^2/NDF: 4022.3/27

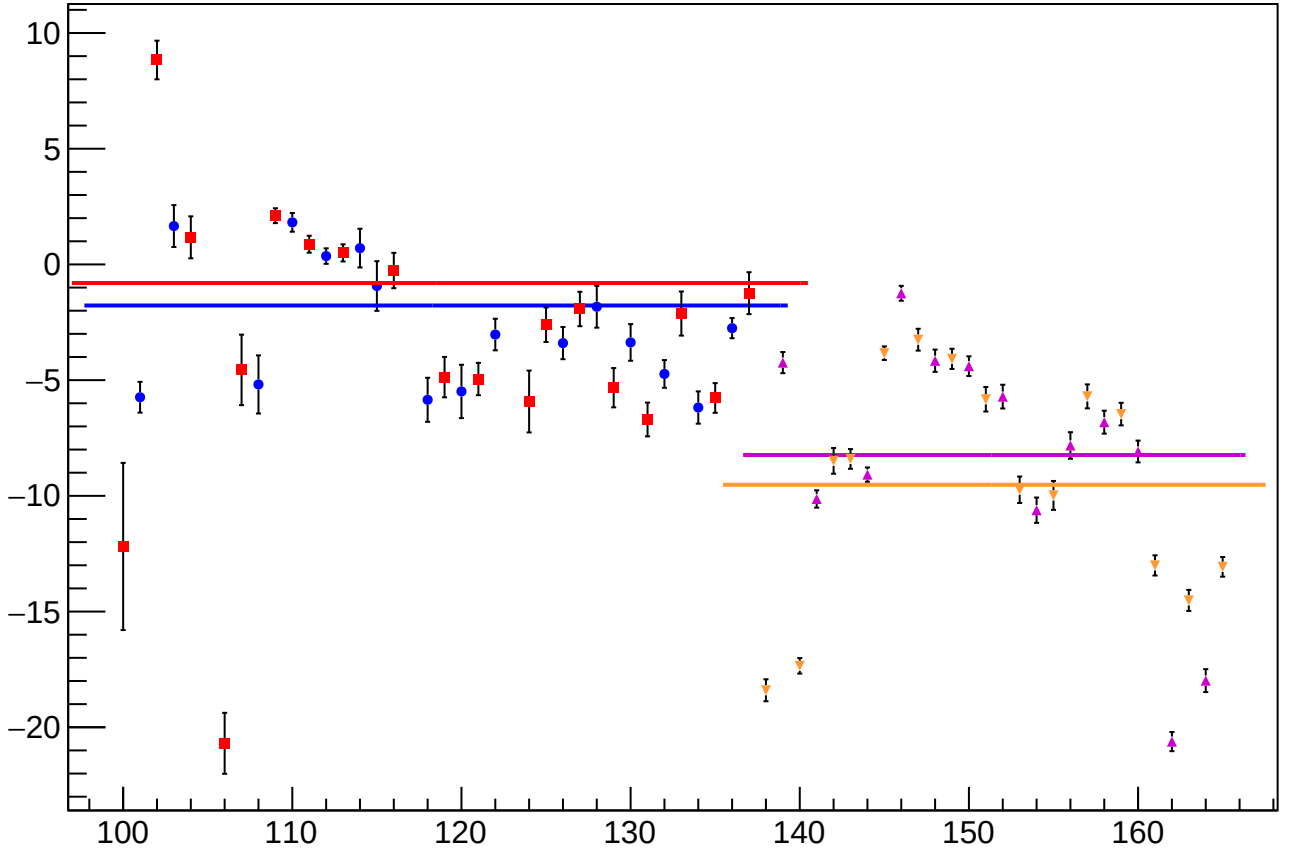
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.149+/-0.002 χ^2/NDF:2736.1/28

Out: -0.131+/-0.002 χ^2/NDF:4930.1/33

All: -0.140+/-0.001 χ^2/NDF: 7735.2/62

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: -9.524+/-0.115 χ^2/NDF:2011.5/14

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -8.234+/-0.119 χ^2/NDF:2066.9/12

Left: -8.905+/-0.083 χ^2/NDF: 4139.2/27

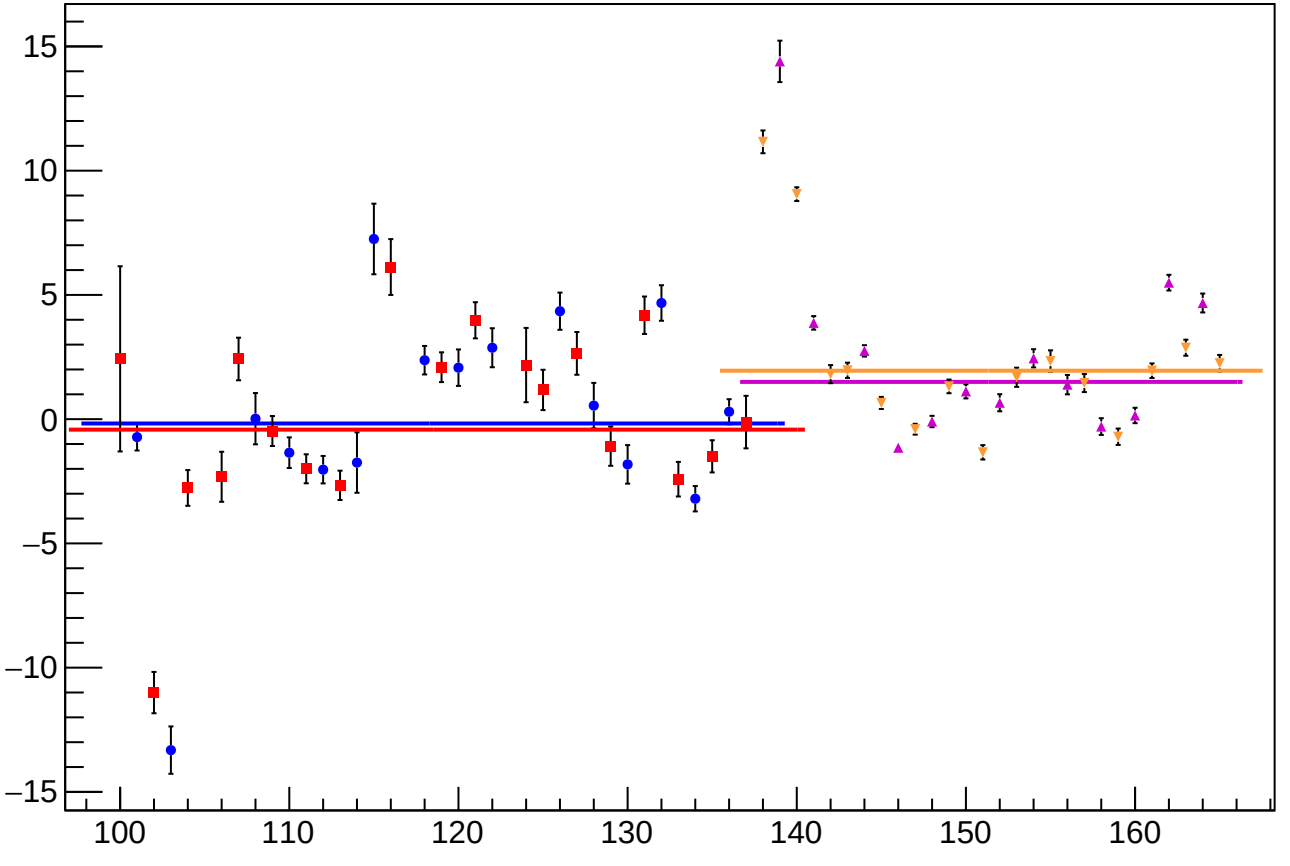
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -5.876+/-0.095 χ^2/NDF:3437.5/28

Out: -6.267+/-0.091 χ^2/NDF:4911.2/33

All: -6.080+/-0.066 χ^2/NDF: 8357.6/62

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.950+/-0.080 χ^2/NDF:1419.1/14

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.500+/-0.082 χ^2/NDF:871.3/12

Left: 1.731+/-0.057 χ^2/NDF: 2306.0/27

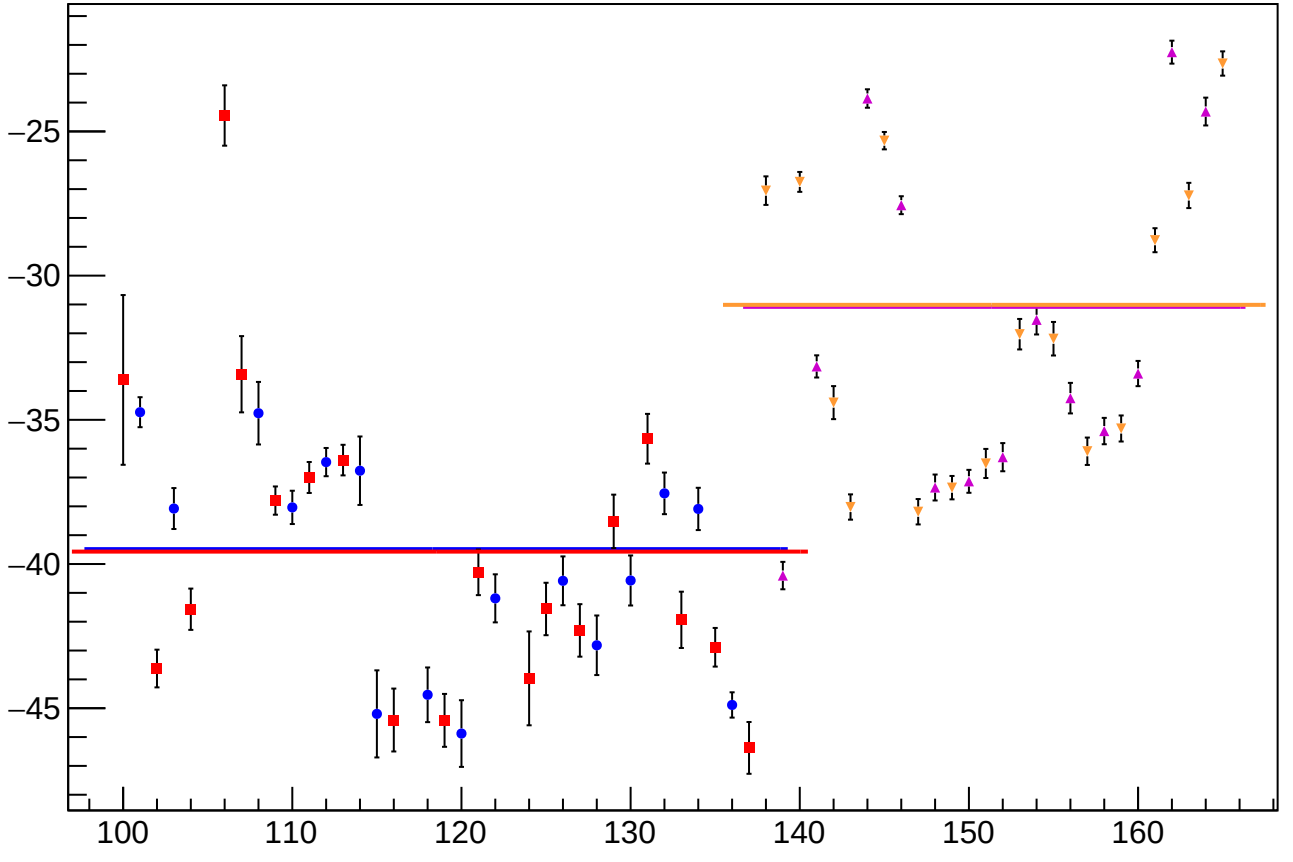
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.196+/-0.074 χ^2/NDF:1351.0/28

Out: 1.553+/-0.073 χ^2/NDF:1934.5/33

All: 1.377+/-0.052 χ^2/NDF: 3297.4/62

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: -31.013+/-0.112 χ^2/NDF:2203.6/14

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -31.083+/-0.116 χ^2/NDF:2433.9/12

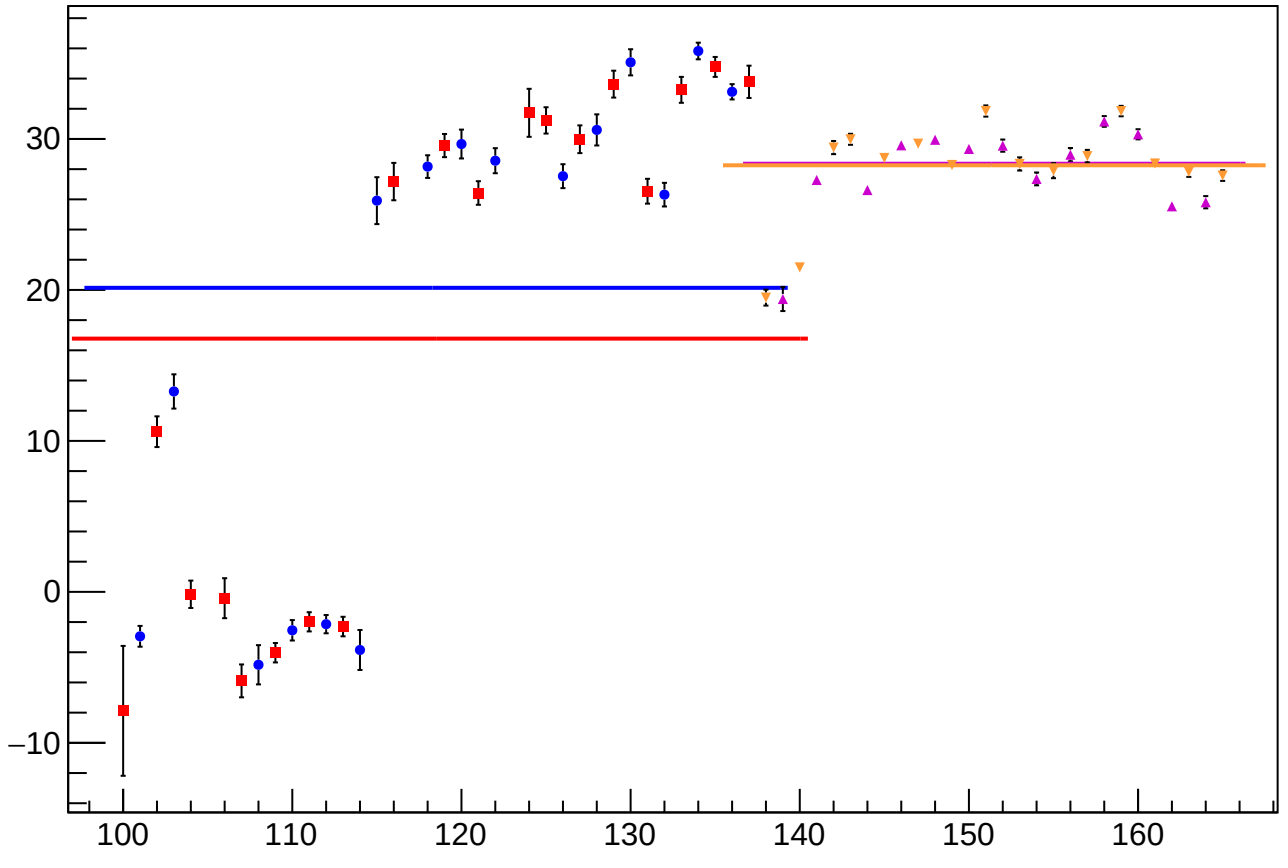
Left: -31.047+/-0.081 χ^2/NDF: 4637.7/27

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -33.531+/-0.097 χ^2/NDF:4382.9/28

Out: -33.390+/-0.095 χ^2/NDF:4371.5/33

All: -33.459+/-0.068 χ^2/NDF: 8755.5/62



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.256+/-0.093 χ^2/NDF:953.6/14

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.360+/-0.095 χ^2/NDF:463.2/12

Left: 28.306+/-0.066 χ^2/NDF: 1417.4/27

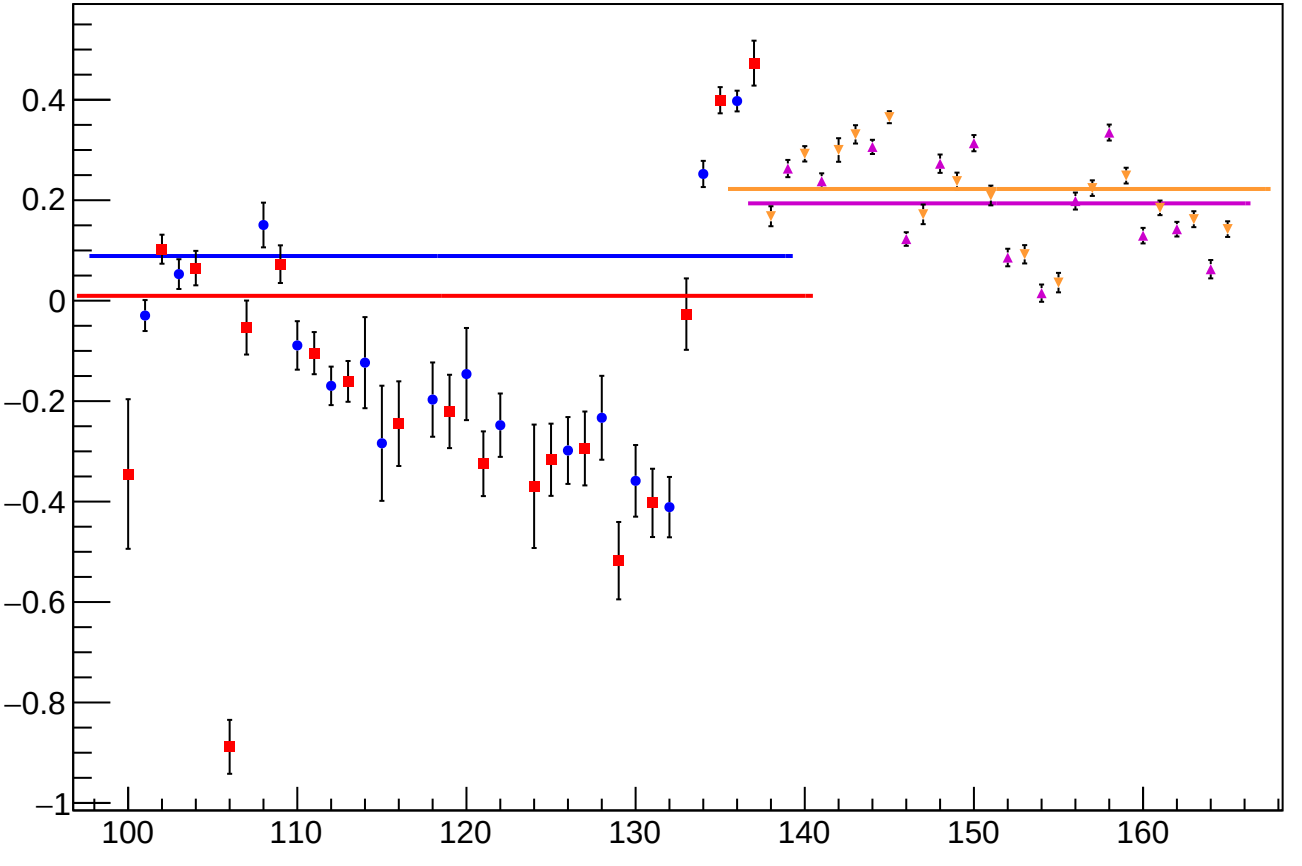
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.769+/-0.086 χ^2/NDF:8585.1/28

Out: 26.220+/-0.084 χ^2/NDF:10411.8/33

All: 26.490+/-0.060 χ^2/NDF: 19017.8/62

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.222+/-0.004 χ^2/NDF:419.3/14

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.194+/-0.004 χ^2/NDF:494.8/12

Left: 0.209+/-0.003 χ^2/NDF: 935.6/27

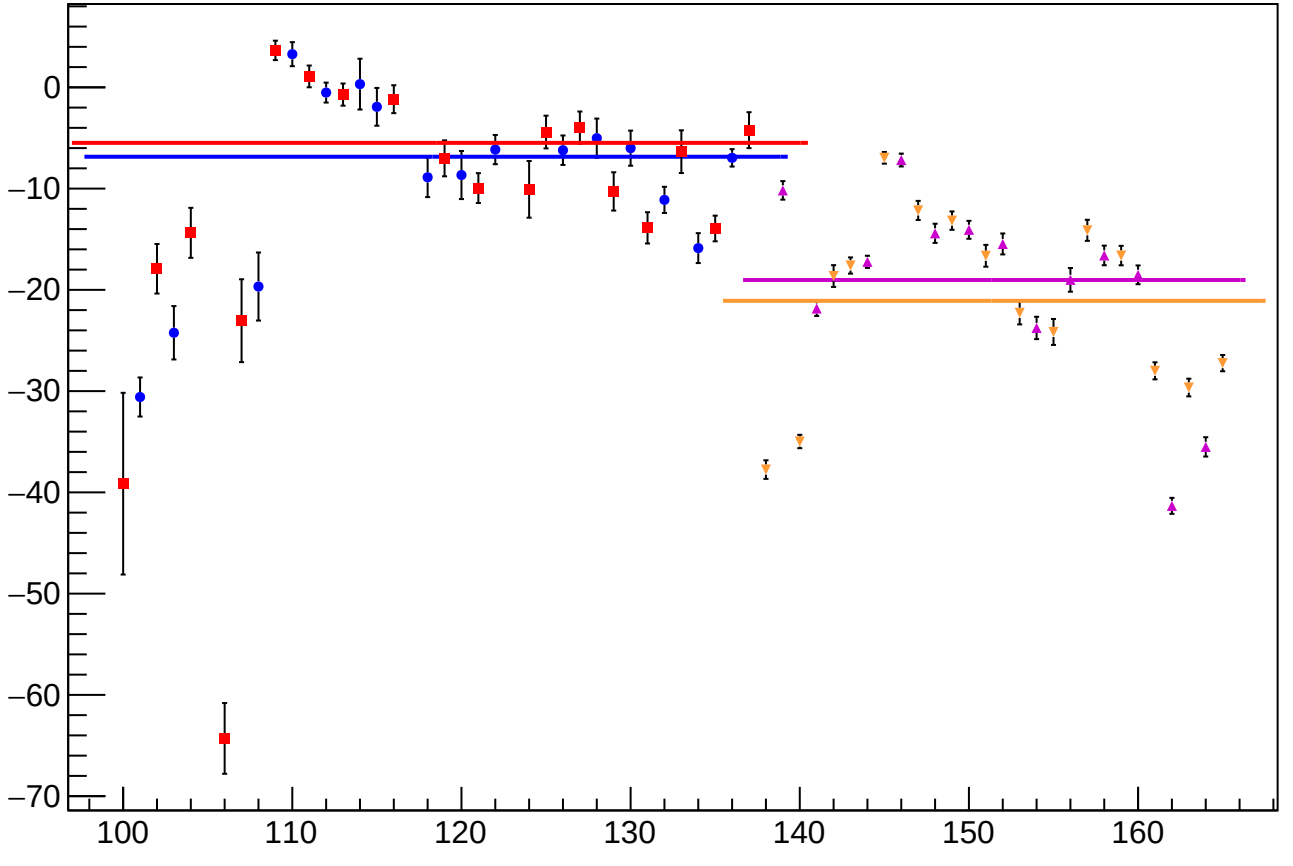
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.178+/-0.004 χ^2/NDF:1144.5/28

Out: 0.194+/-0.004 χ^2/NDF:1577.7/33

All: 0.186+/-0.003 χ^2/NDF: 2730.6/62

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: -21.083+/-0.225 χ^2/NDF:1873.5/14

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -19.027+/-0.235 χ^2/NDF:1652.3/12

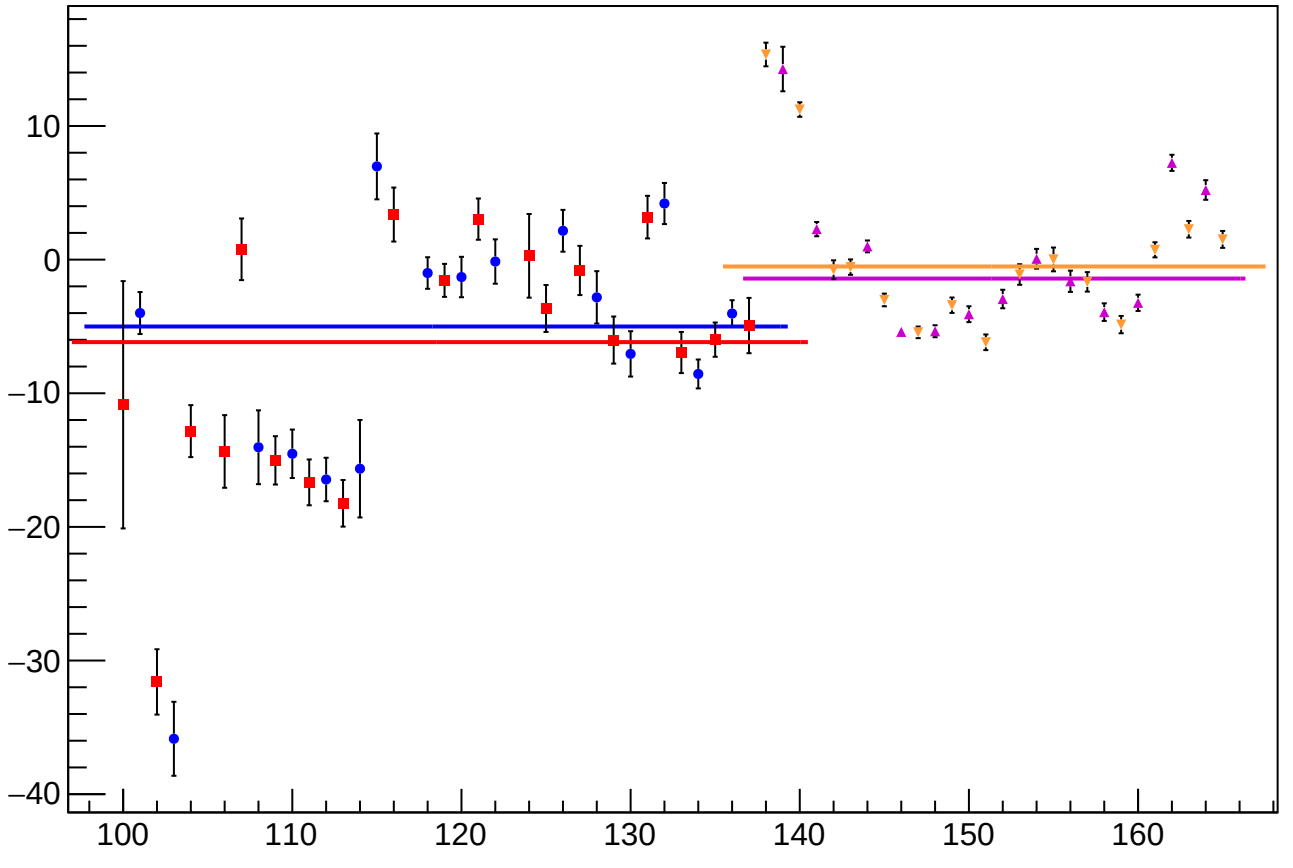
Left: -20.100+/-0.163 χ^2/NDF: 3565.7/27

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -15.600+/-0.199 χ^2/NDF:2797.2/28

Out: -16.854+/-0.192 χ^2/NDF:3782.8/33

All: -16.250+/-0.138 χ^2/NDF: 6600.6/62



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.512+/-0.157 χ^2/NDF:1146.3/14

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -1.417+/-0.160 χ^2/NDF:696.8/12

Left: -0.954+/-0.112 χ^2/NDF: 1859.4/27

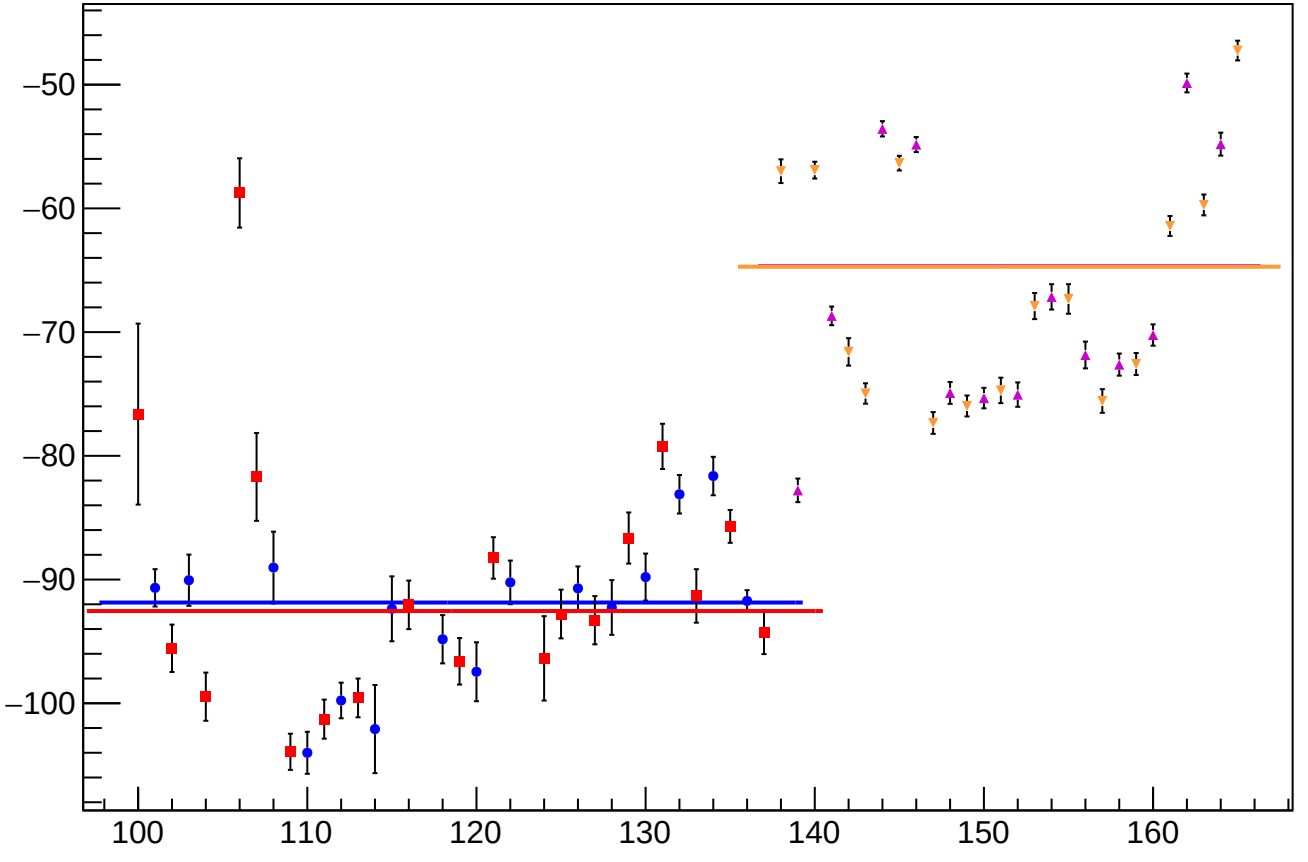
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -1.923+/-0.148 χ^2/NDF:1109.3/28

Out: -1.214+/-0.147 χ^2/NDF:1677.2/33

All: -1.564+/-0.104 χ^2/NDF: 2798.0/62

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: -64.712+/-0.221 χ^2/NDF:1817.5/14

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -64.666+/-0.228 χ^2/NDF:2043.9/12

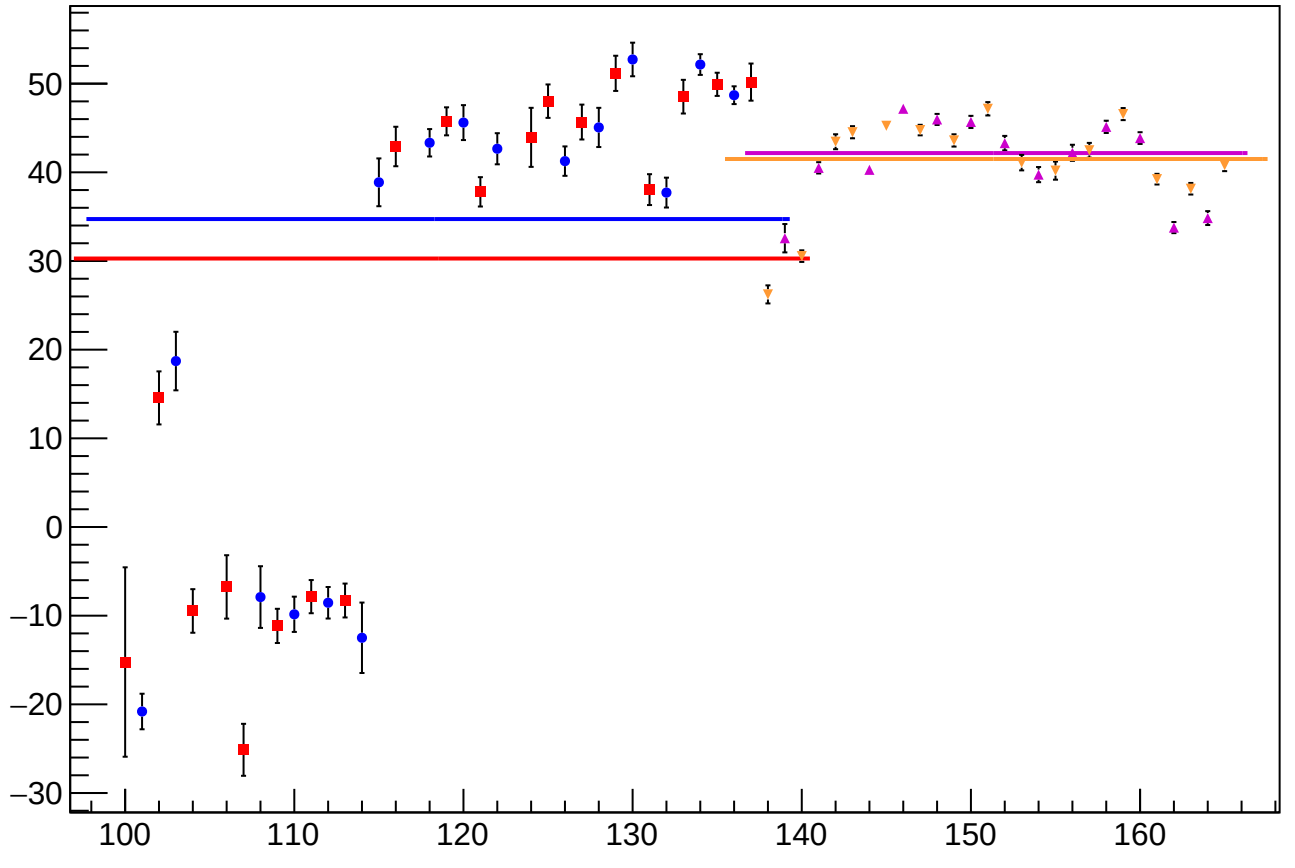
Left: -64.690+/-0.159 χ^2/NDF: 3861.5/27

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -70.771+/-0.201 χ^2/NDF:5409.6/28

Out: -70.331+/-0.197 χ^2/NDF:5409.5/33

All: -70.547+/-0.141 χ^2/NDF: 10821.5/62



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.503+/-0.182 χ^2/NDF:771.5/14

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 42.172+/-0.188 χ^2/NDF:533.4/12

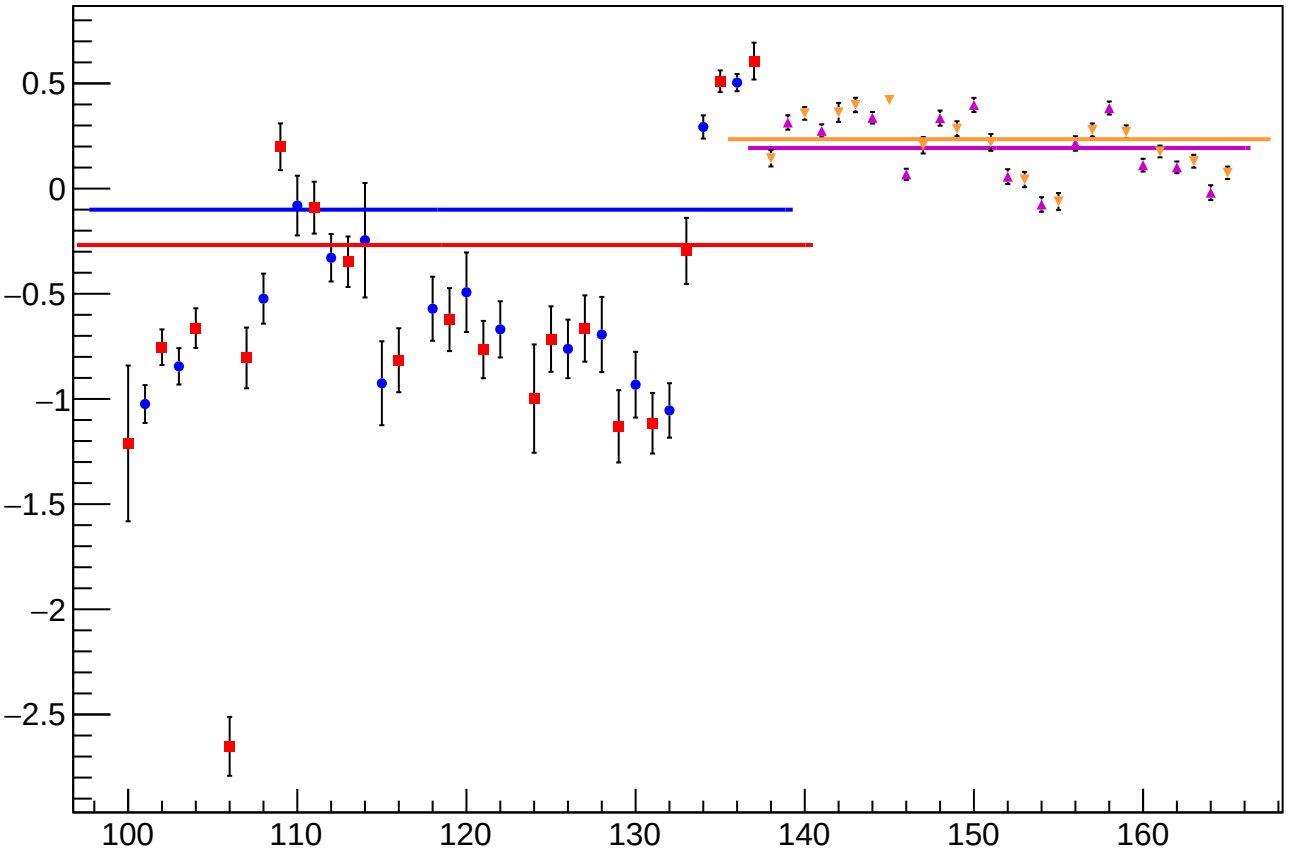
Left: 41.828+/-0.131 χ^2/NDF: 1311.4/27

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.034+/-0.173 χ^2/NDF:3582.8/28

Out: 40.018+/-0.170 χ^2/NDF:4183.7/33

All: 40.518+/-0.121 χ^2/NDF: 7784.1/62



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.235+/-0.008 χ^2/NDF:249.3/14

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.193+/-0.009 χ^2/NDF:288.4/12

Left: 0.215+/-0.006 χ^2/NDF: 549.6/27

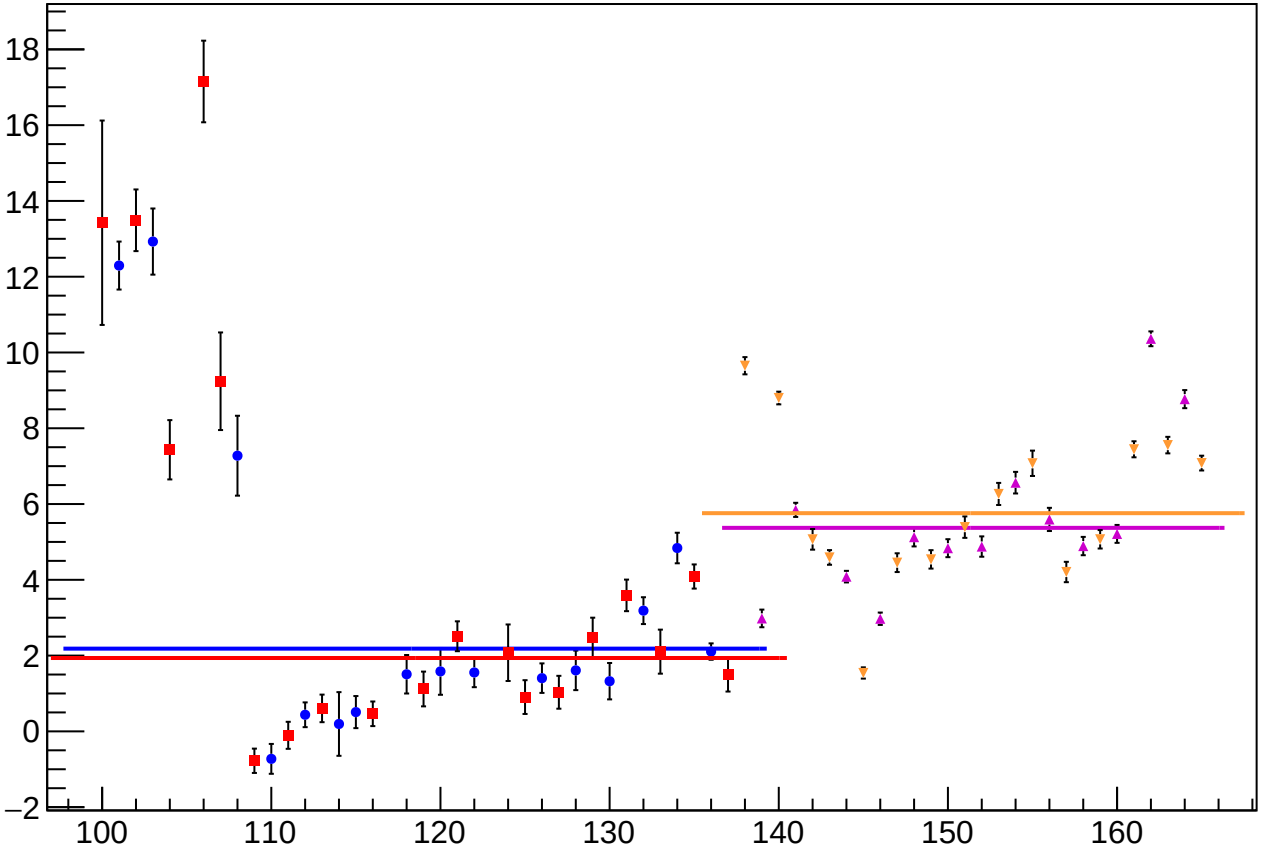
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.159+/-0.008 χ^2/NDF:1051.3/28

Out: 0.188+/-0.008 χ^2/NDF:1402.4/33

All: 0.173+/-0.006 χ^2/NDF: 2460.1/62

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: 5.759+/-0.057 χ^2/NDF:1760.4/14

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.371+/-0.060 χ^2/NDF:1283.6/12

Left: 5.575+/-0.041 χ^2/NDF: 3065.9/27

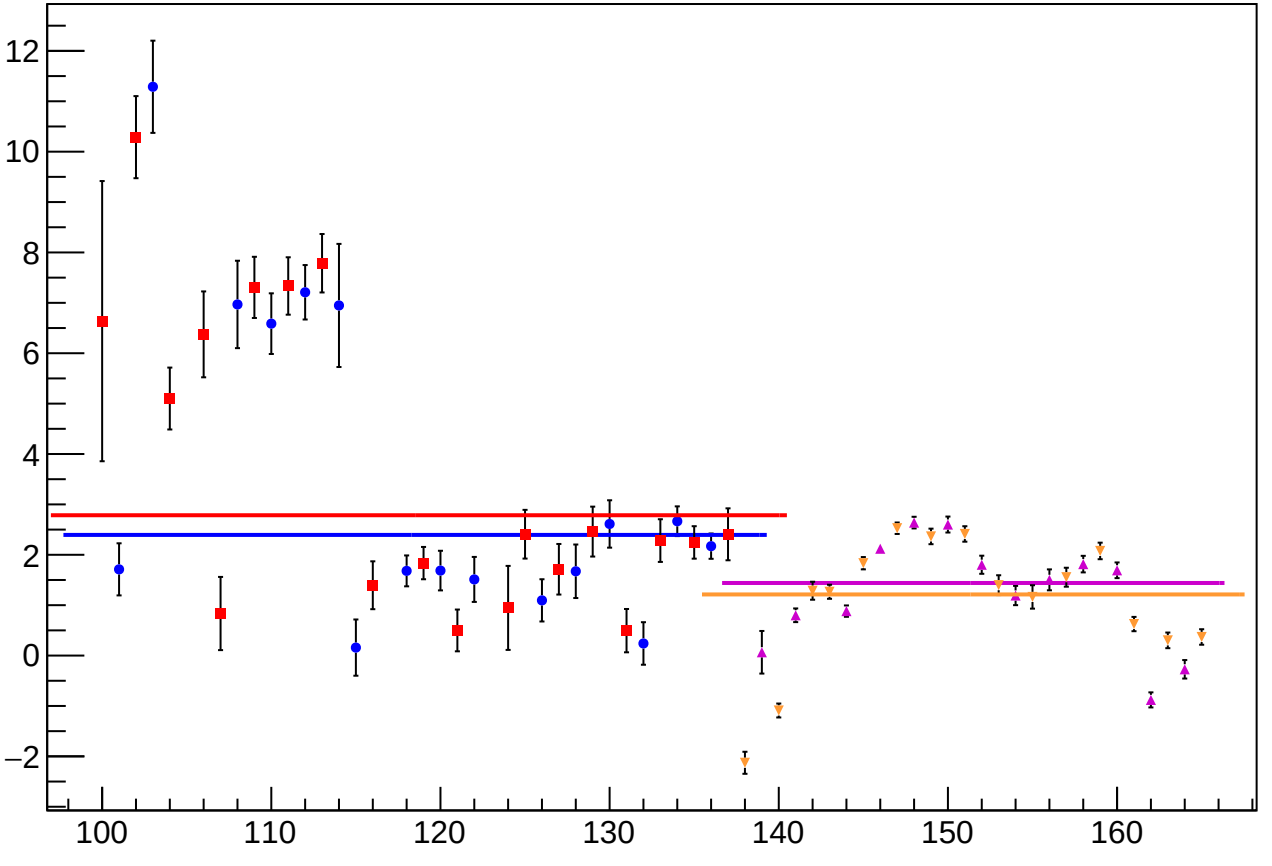
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 4.586+/-0.052 χ^2/NDF:2577.6/28

Out: 4.893+/-0.050 χ^2/NDF:3493.4/33

All: 4.745+/-0.036 χ^2/NDF: 6089.0/62

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: 1.213+/-0.040 χ^2/NDF:901.3/14

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.441+/-0.041 χ^2/NDF:611.7/12

Left: 1.324+/-0.029 χ^2/NDF: 1528.8/27

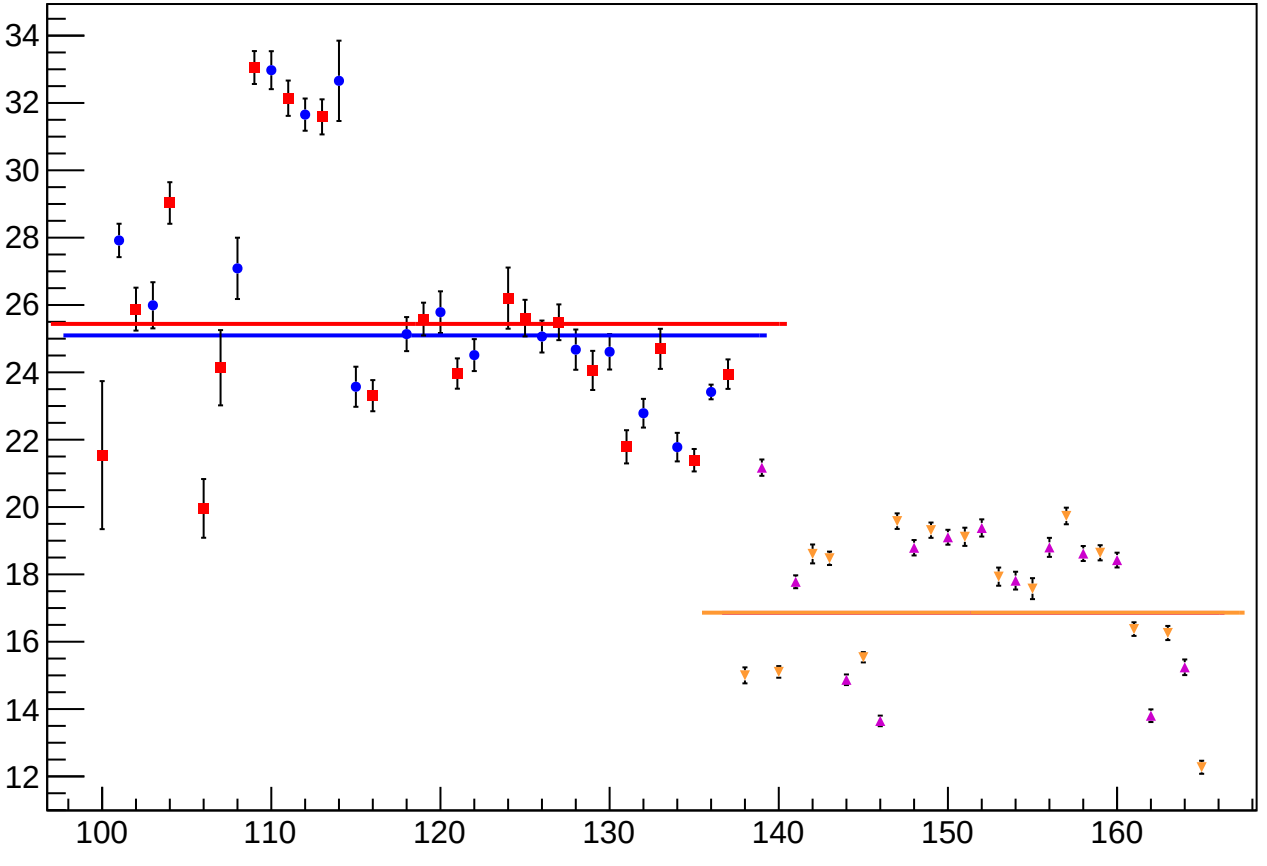
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.559+/-0.038 χ^2/NDF:1013.5/28

Out: 1.380+/-0.038 χ^2/NDF:1476.6/33

All: 1.468+/-0.027 χ^2/NDF: 2501.3/62

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.863+/-0.056 χ^2/NDF:1462.1/14

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.855+/-0.058 χ^2/NDF:1673.3/12

Left: 16.859+/-0.040 χ^2/NDF: 3135.5/27

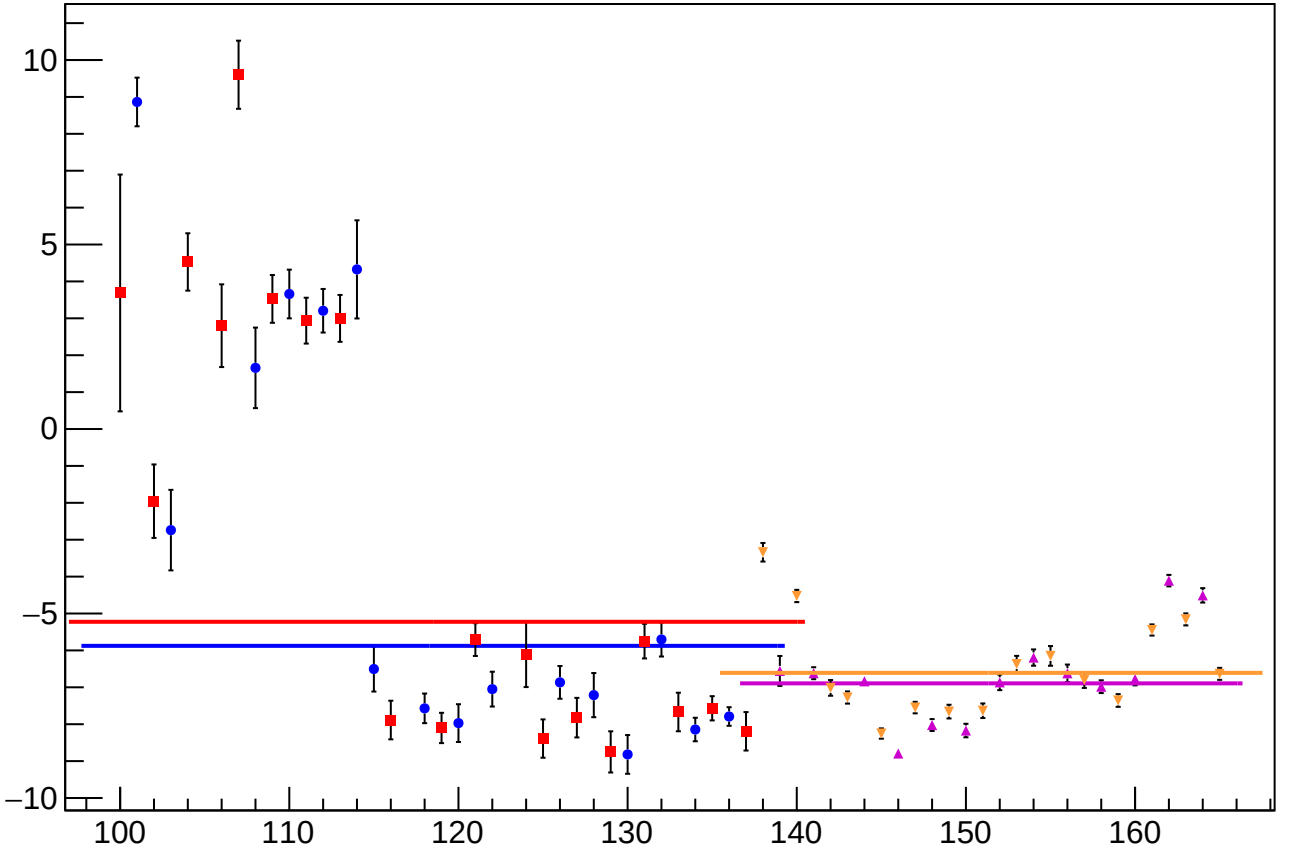
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 18.482+/-0.052 χ^2/NDF:6241.8/28

Out: 18.320+/-0.051 χ^2/NDF:6308.4/33

All: 18.399+/-0.037 χ^2/NDF: 12555.2/62

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.608+/-0.046 χ^2/NDF:740.1/14

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.893+/-0.048 χ^2/NDF:833.9/12

Left: -6.746+/-0.033 χ^2/NDF: 1592.2/27

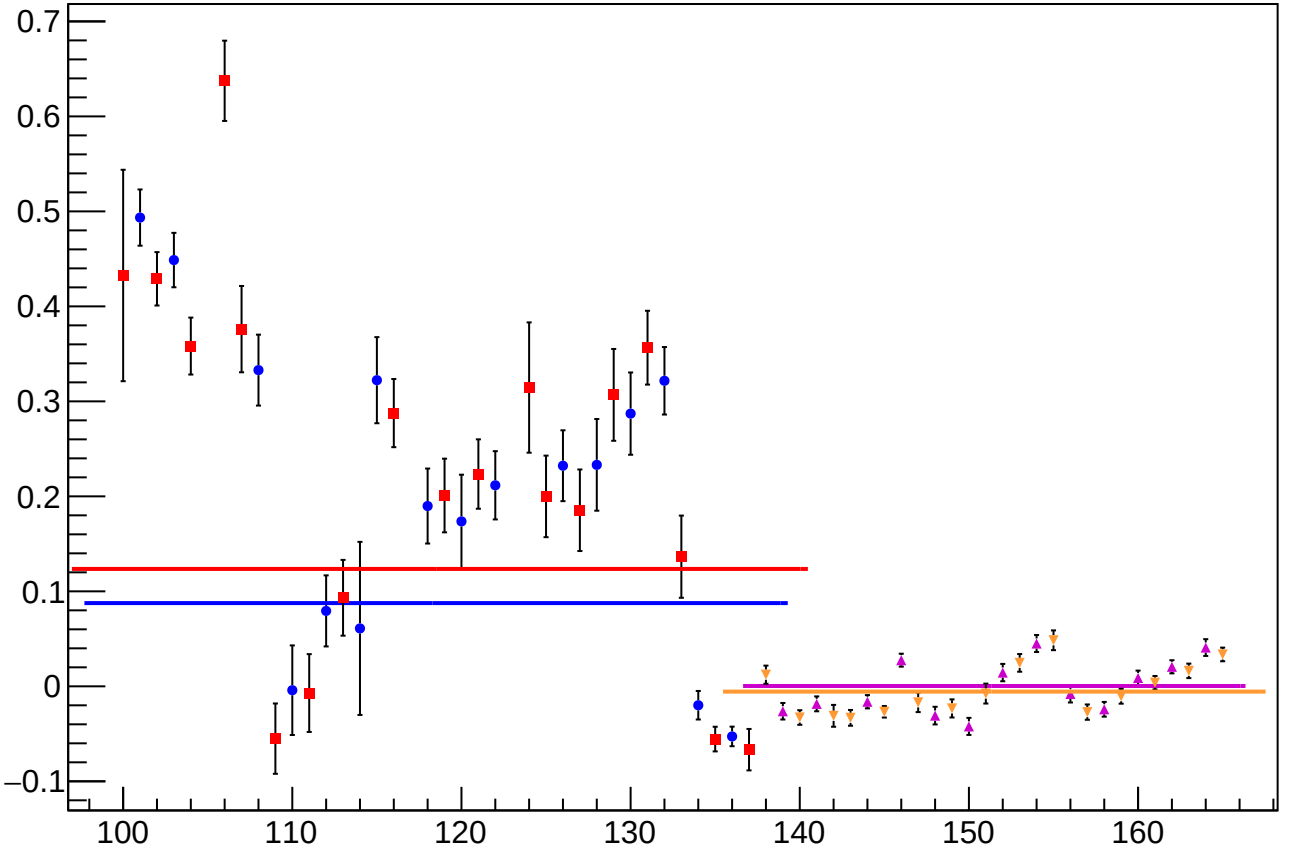
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.755+/-0.045 χ^2/NDF:2146.6/28

Out: -6.451+/-0.044 χ^2/NDF:2133.3/33

All: -6.600+/-0.031 χ^2/NDF: 4303.6/62

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.006+/-0.002 χ^2/NDF:133.8/14

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.000+/-0.002 χ^2/NDF:139.1/12

Left: -0.003+/-0.002 χ^2/NDF: 276.5/27

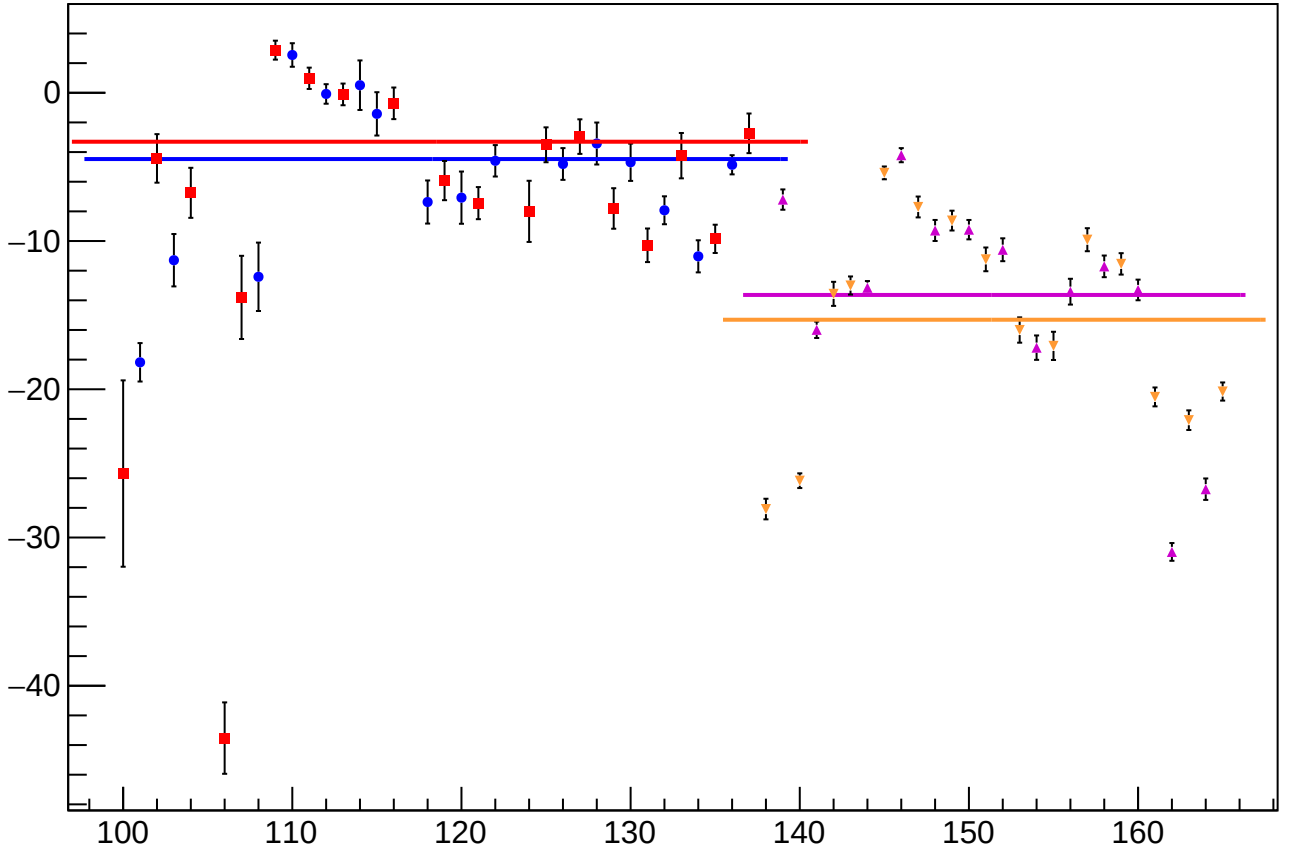
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.009+/-0.002 χ^2/NDF:1064.2/28

Out: 0.005+/-0.002 χ^2/NDF:1181.9/33

All: 0.007+/-0.001 χ^2/NDF: 2248.6/62

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: -15.309+/-0.169 χ^2/NDF:1916.1/14

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -13.638+/-0.176 χ^2/NDF:1789.0/12

Left: -14.509+/-0.122 χ^2/NDF: 3751.8/27

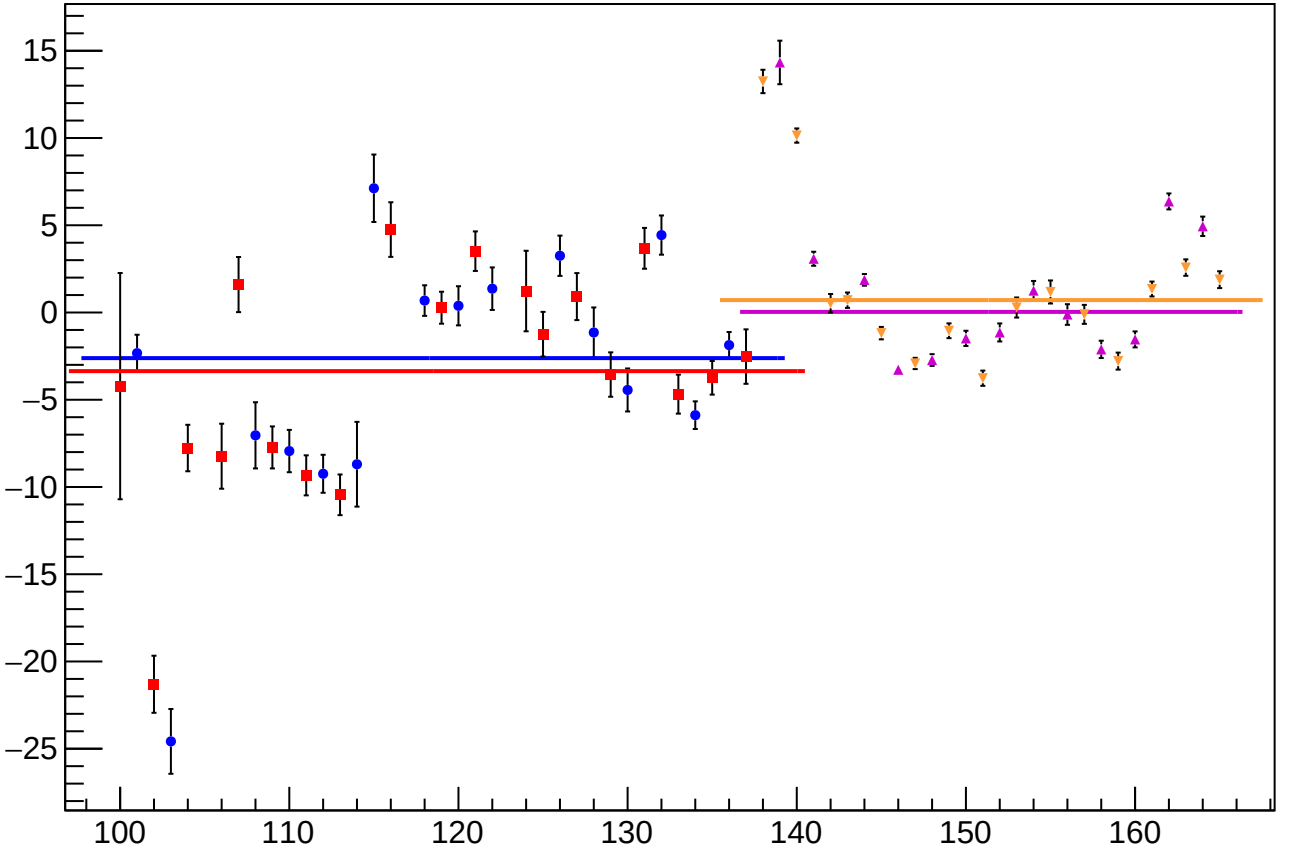
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -10.872+/-0.147 χ^2/NDF:2935.1/28

Out: -11.754+/-0.142 χ^2/NDF:3992.5/33

All: -11.330+/-0.102 χ^2/NDF: 6946.2/62

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.712+/-0.118 χ^2/NDF:1236.0/14

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.035+/-0.120 χ^2/NDF:745.2/12

Left: 0.381+/-0.084 χ^2/NDF: 1997.4/27

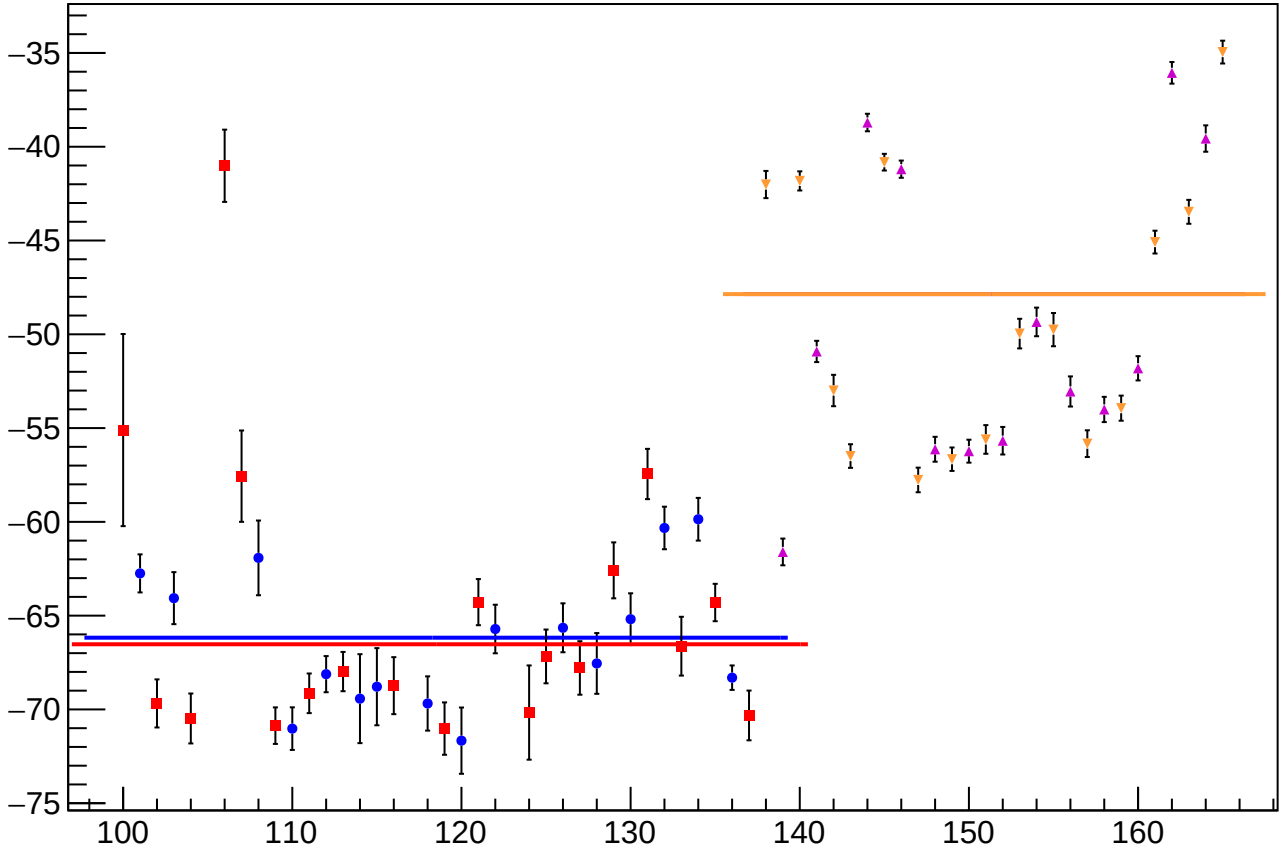
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.365+/-0.111 χ^2/NDF:1170.2/28

Out: 0.165+/-0.109 χ^2/NDF:1756.4/33

All: -0.096+/-0.078 χ^2/NDF: 2938.1/62

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: -47.857+/-0.166 χ^2/NDF:1948.0/14

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -47.855+/-0.171 χ^2/NDF:2175.9/12

Left: -47.856+/-0.119 χ^2/NDF: 4123.9/27

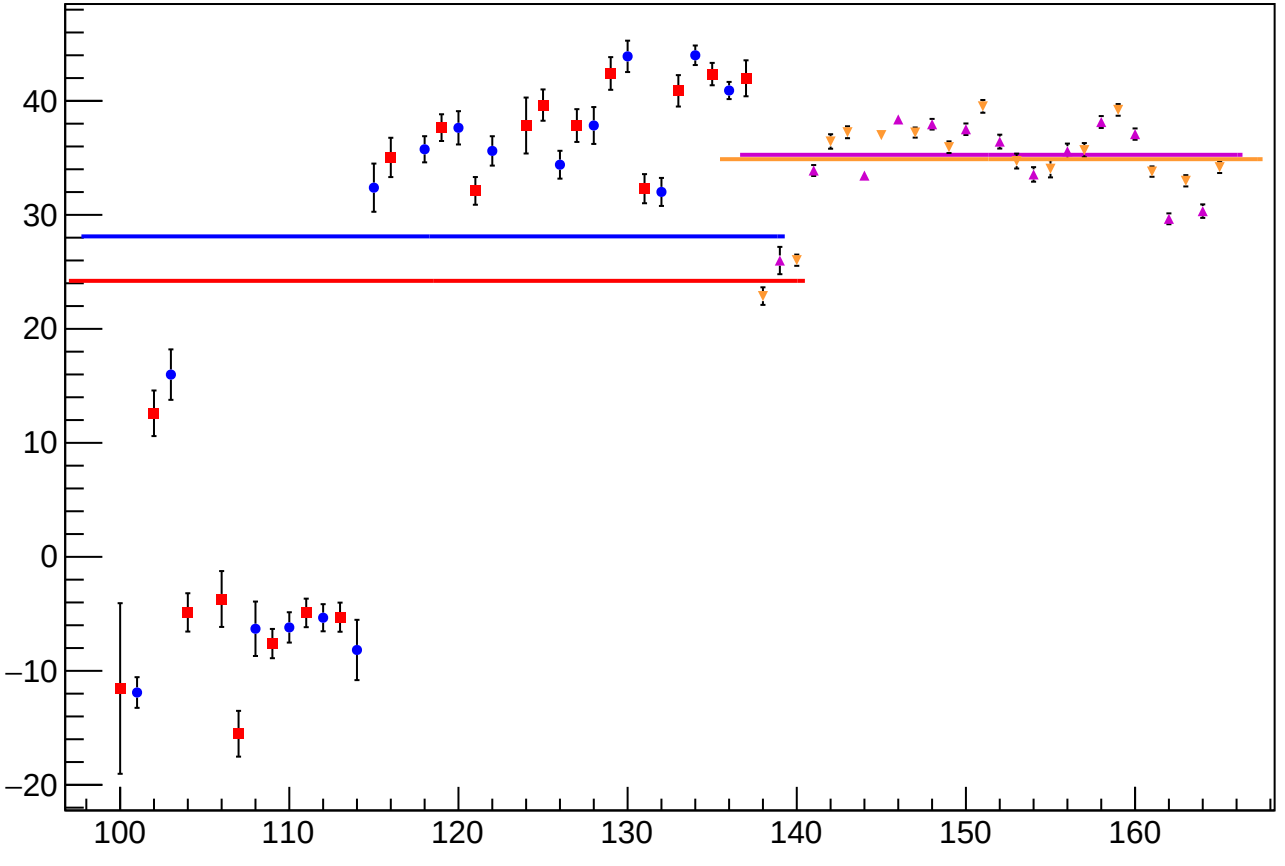
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -52.260+/-0.149 χ^2/NDF:5057.9/28

Out: -51.966+/-0.147 χ^2/NDF:5053.7/33

All: -52.110+/-0.105 χ^2/NDF: 10113.5/62

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: 34.885+/-0.137 χ^2/NDF:815.7/14

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.269+/-0.141 χ^2/NDF:482.2/12

Left: 35.071+/-0.098 χ^2/NDF: 1301.7/27

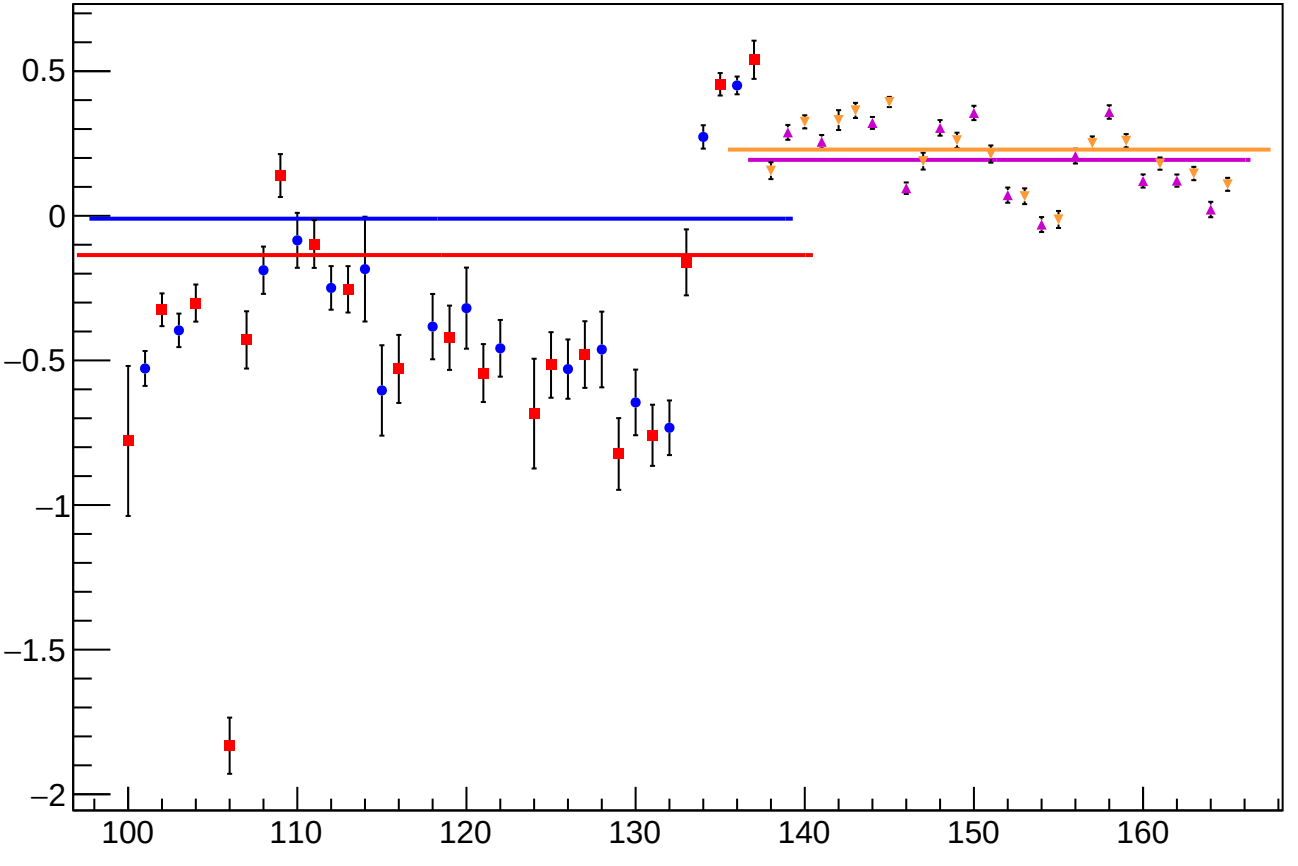
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.105+/-0.129 χ^2/NDF:4628.8/28

Out: 33.359+/-0.127 χ^2/NDF:5524.3/33

All: 33.726+/-0.090 χ^2/NDF: 10170.1/62

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: 0.229+/-0.006 χ^2/NDF:301.6/14

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.193+/-0.007 χ^2/NDF:352.4/12

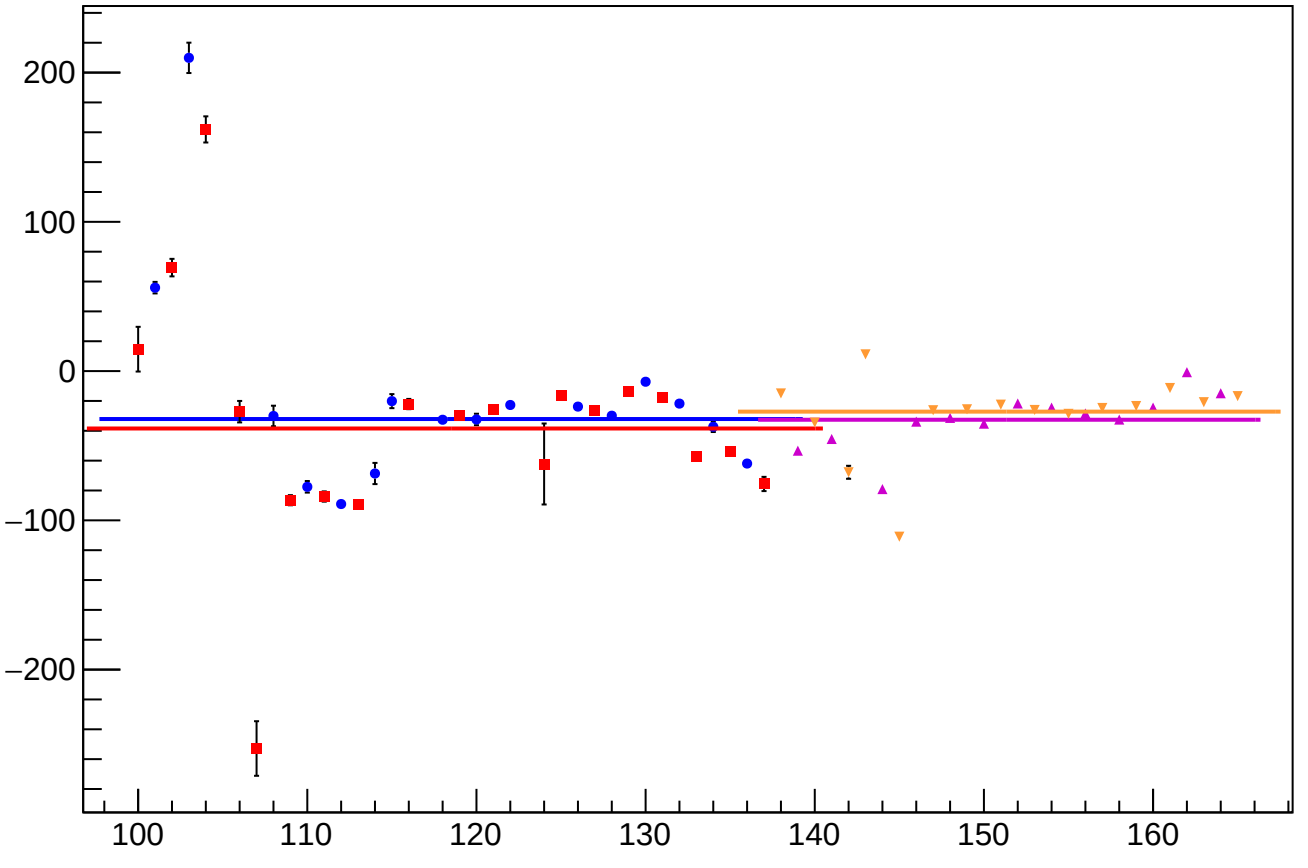
Left: 0.212+/-0.005 χ^2/NDF: 669.1/27

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.168+/-0.006 χ^2/NDF:1060.2/28

Out: 0.192+/-0.006 χ^2/NDF:1456.8/33

All: 0.180+/-0.004 χ^2/NDF: 2524.6/62



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -27.161+/-0.753 χ^2/NDF:993.7/14

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -32.601+/-0.785 χ^2/NDF:554.0/12

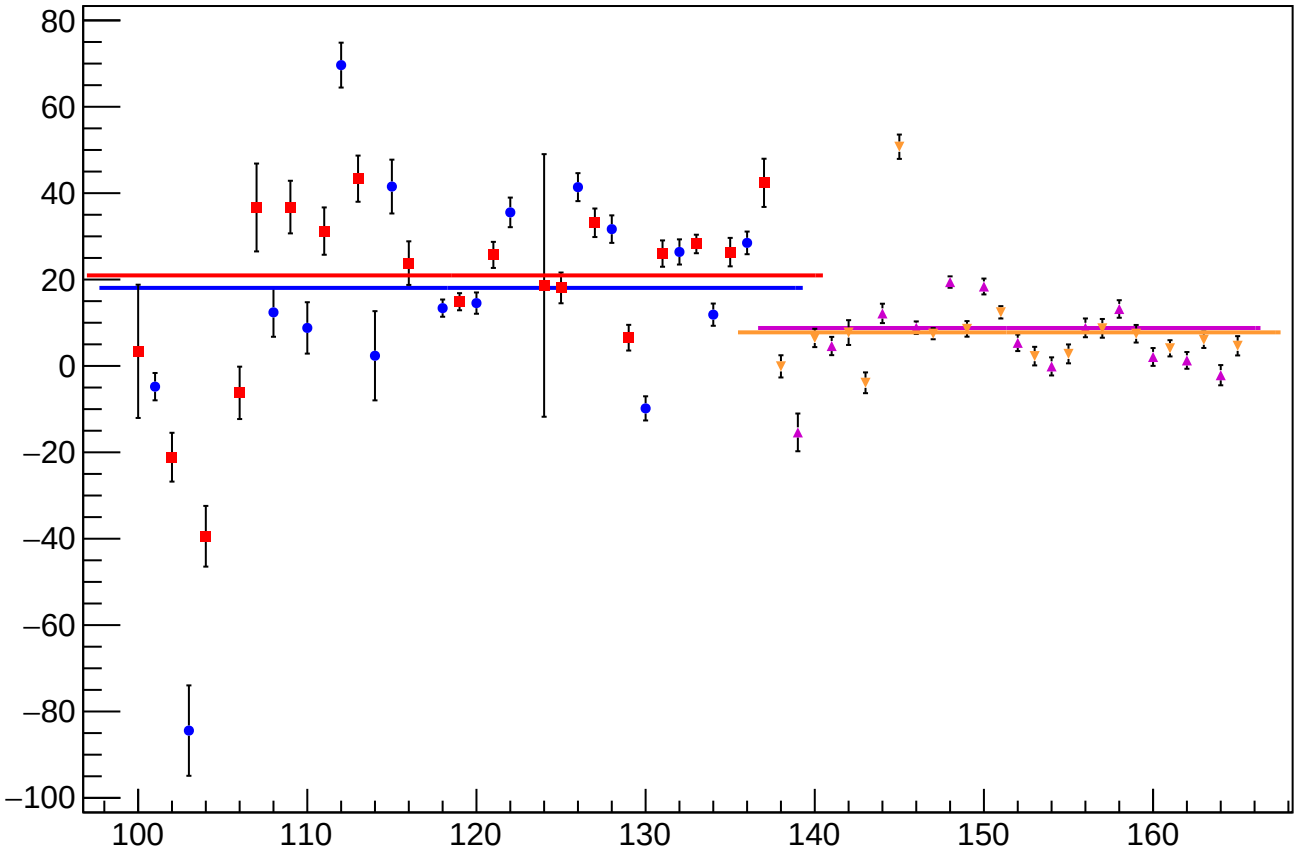
Left: -29.765+/-0.543 χ^2/NDF: 1572.7/27

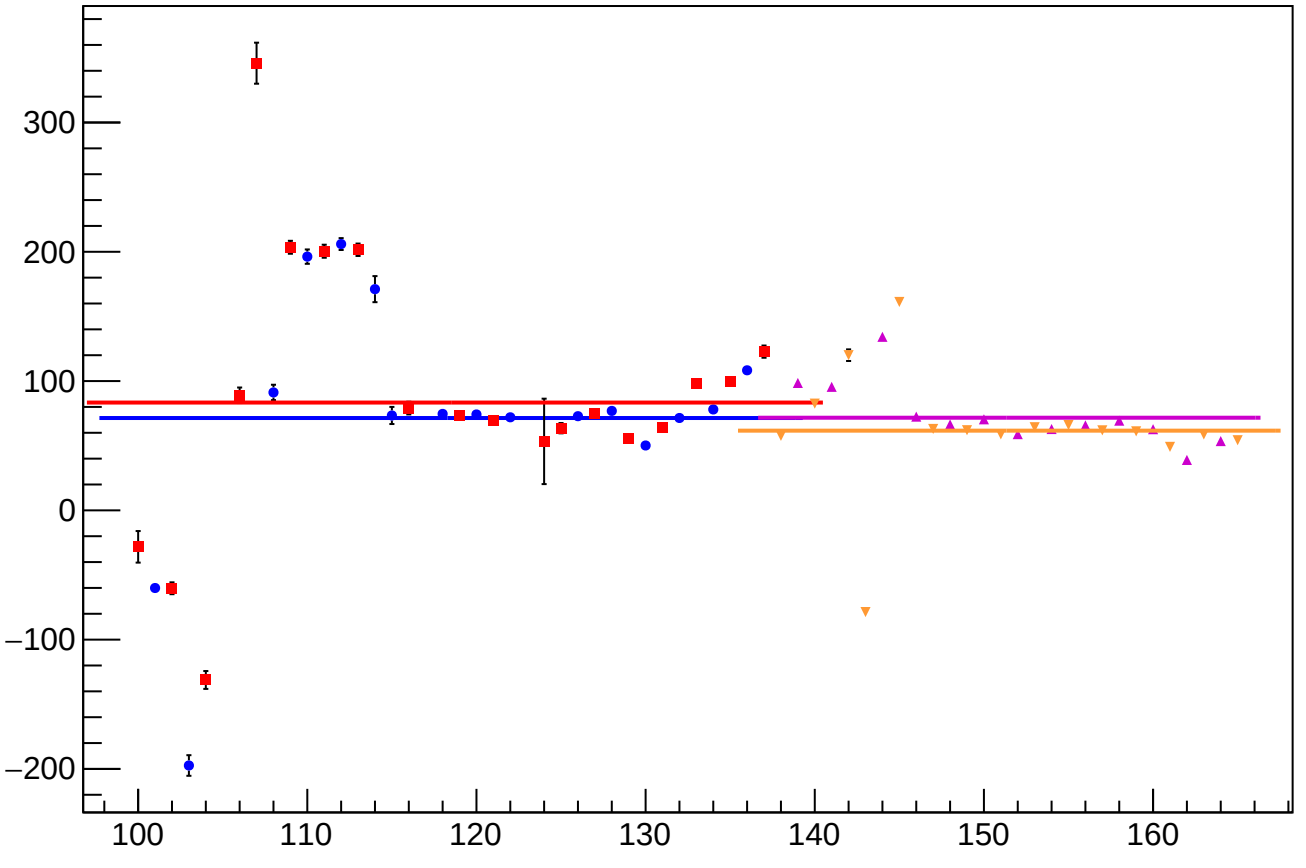
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -32.376+/-0.575 χ^2/NDF:2431.7/28

Out: -32.033+/-0.568 χ^2/NDF:3063.4/33

All: -32.202+/-0.404 χ^2/NDF: 5495.3/62


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 7.775+/-0.511 χ²/NDF:295.5/14
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 8.785+/-0.538 χ²/NDF:202.4/12
Left: 8.254+/-0.371 χ²/NDF: 499.8/27
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 11.565+/-0.450 χ²/NDF:791.1/28
Out: 11.167+/-0.441 χ²/NDF:729.4/33
All: 11.362+/-0.315 χ²/NDF: 1520.9/62



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 61.646+/-0.730 χ^2/NDF:2915.8/14

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 71.652+/-0.756 χ^2/NDF:849.3/12

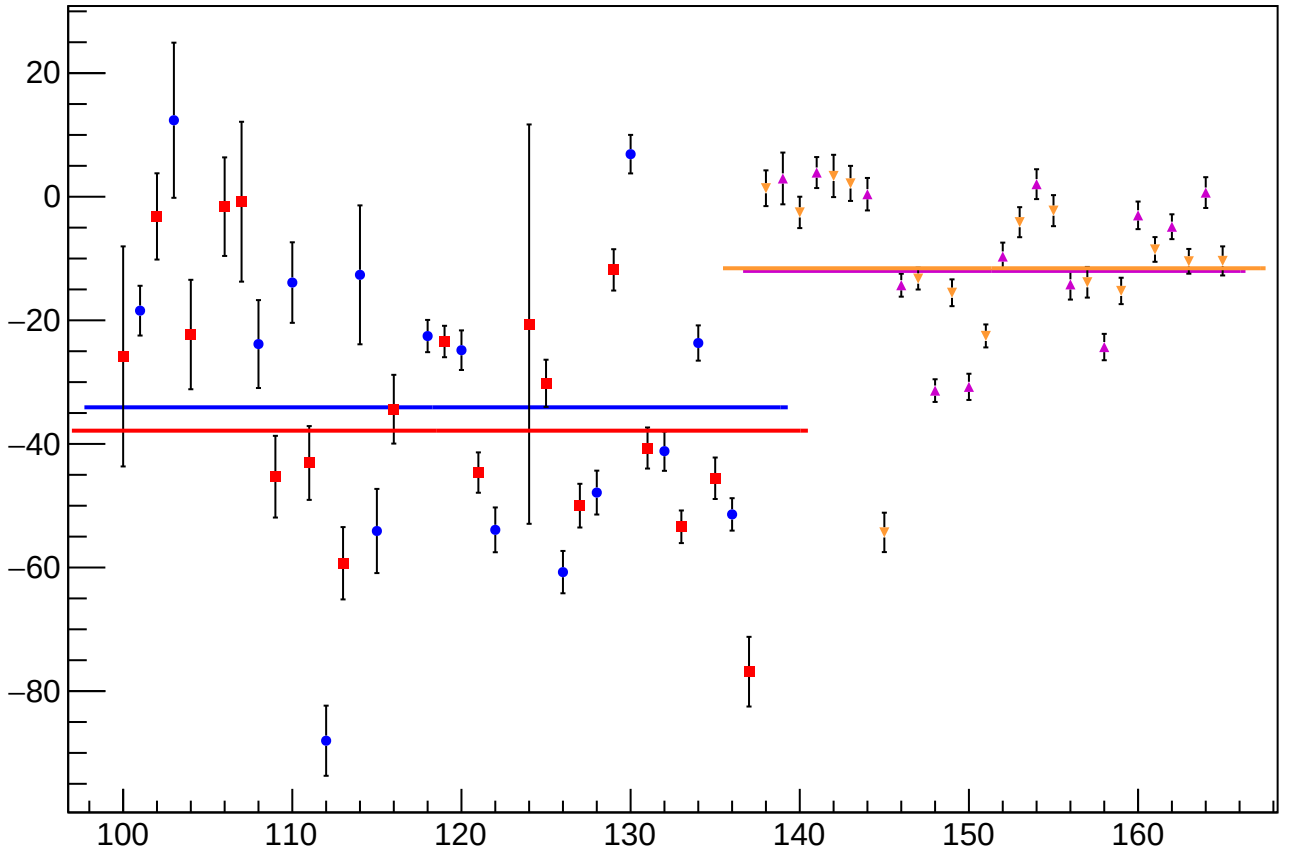
Left: 66.469+/-0.525 χ^2/NDF: 3855.7/27

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 71.560+/-0.587 χ^2/NDF:5668.9/28

Out: 69.345+/-0.586 χ^2/NDF:7527.6/33

All: 70.451+/-0.415 χ^2/NDF: 13203.6/62



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.576+/-0.598 χ^2/NDF:323.8/14

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.002+/-0.628 χ^2/NDF:390.2/12

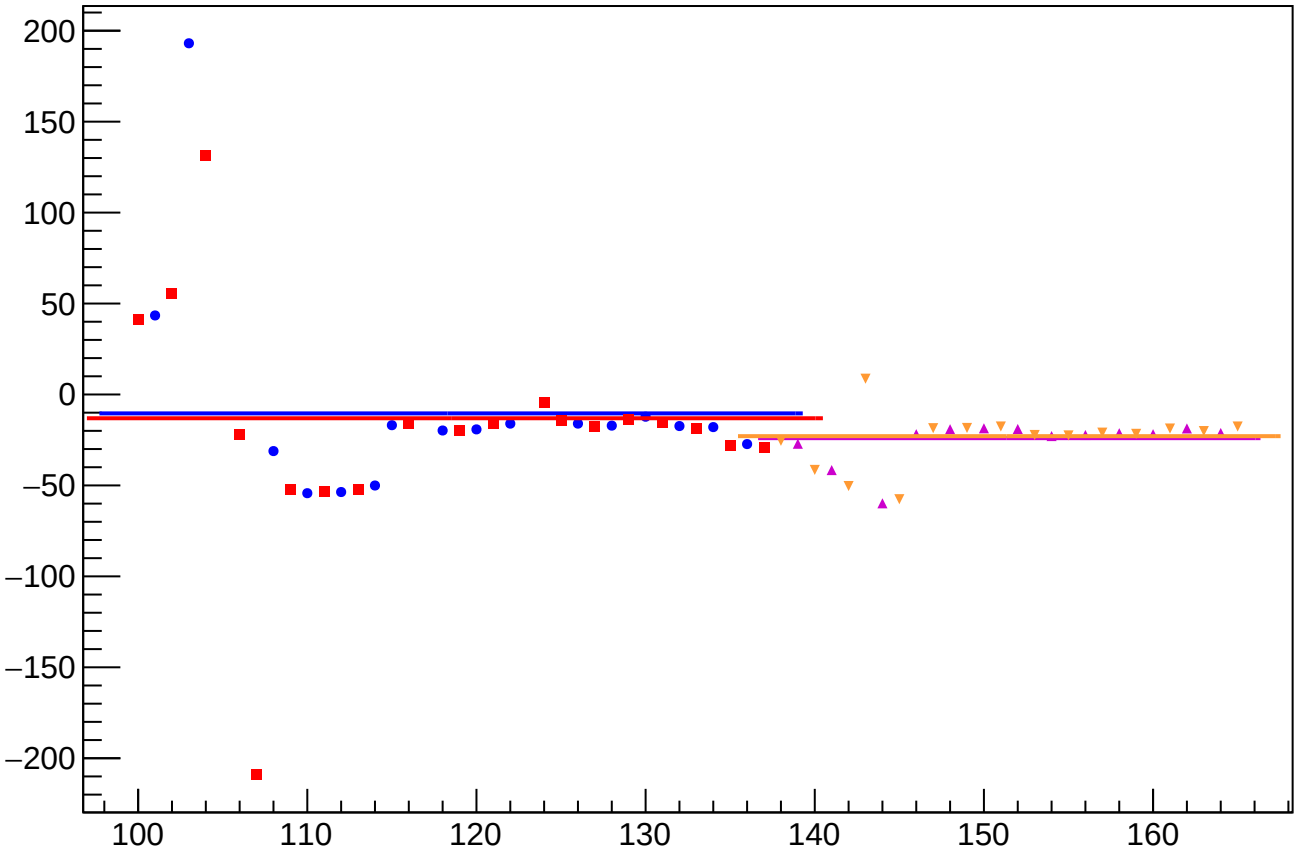
Left: -11.779+/-0.433 χ^2/NDF: 714.3/27

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.798+/-0.523 χ^2/NDF:1281.3/28

Out: -18.564+/-0.513 χ^2/NDF:1111.7/33

All: -18.679+/-0.366 χ^2/NDF: 2393.1/62



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -22.917+/-0.028 χ^2/NDF:183971.1/14

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -24.014+/-0.028 χ^2/NDF:101734.8/12

Left: -23.451+/-0.020 χ^2/NDF: 286477.7/27

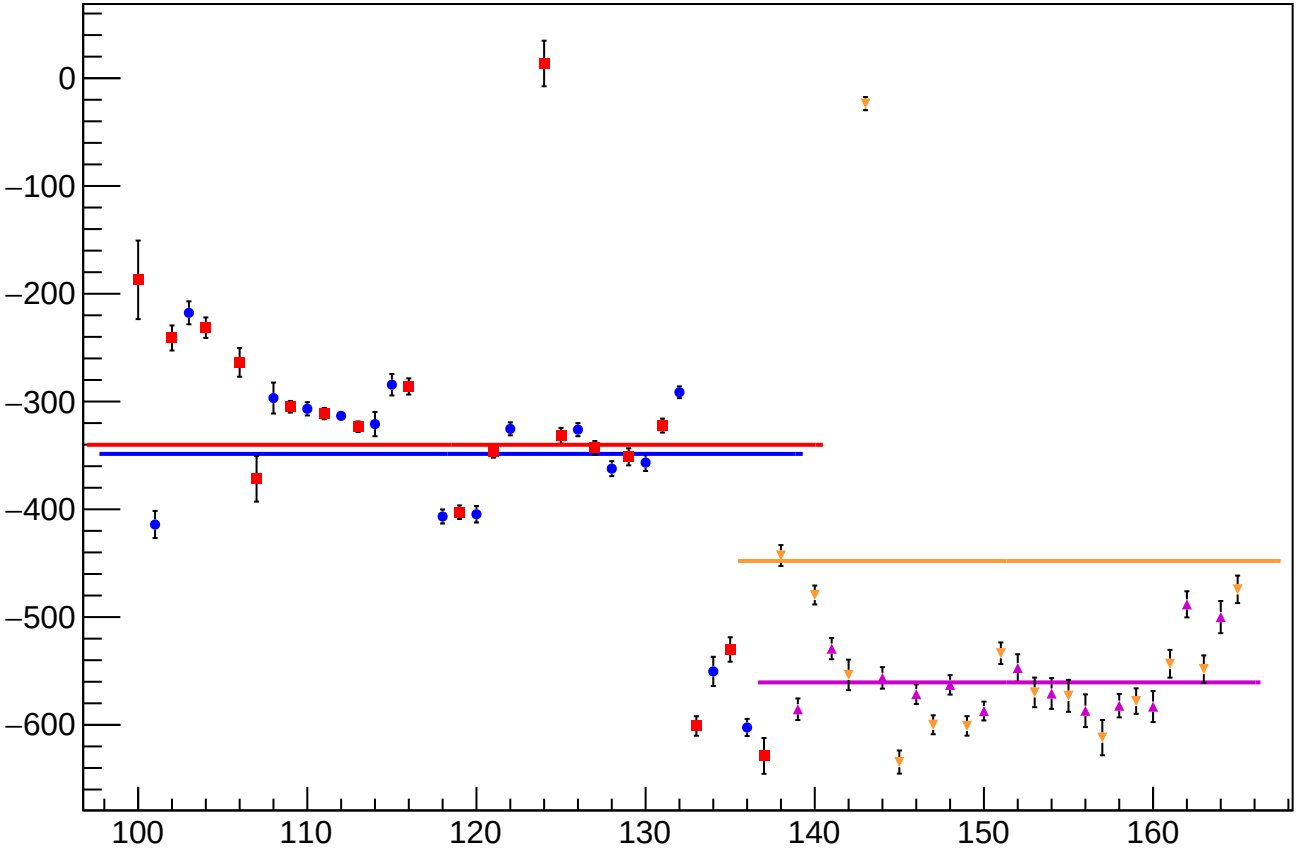
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.309+/-0.025 χ^2/NDF:670070.3/28

Out: -21.322+/-0.025 χ^2/NDF:654287.7/33

All: -21.316+/-0.018 χ^2/NDF: 1324358.2/62

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -447.931+/-2.689 χ^2/NDF:6330.6/14

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -560.604+/-3.044 χ^2/NDF:90.6/12

Left: -497.321+/-2.015 χ^2/NDF: 7191.0/27

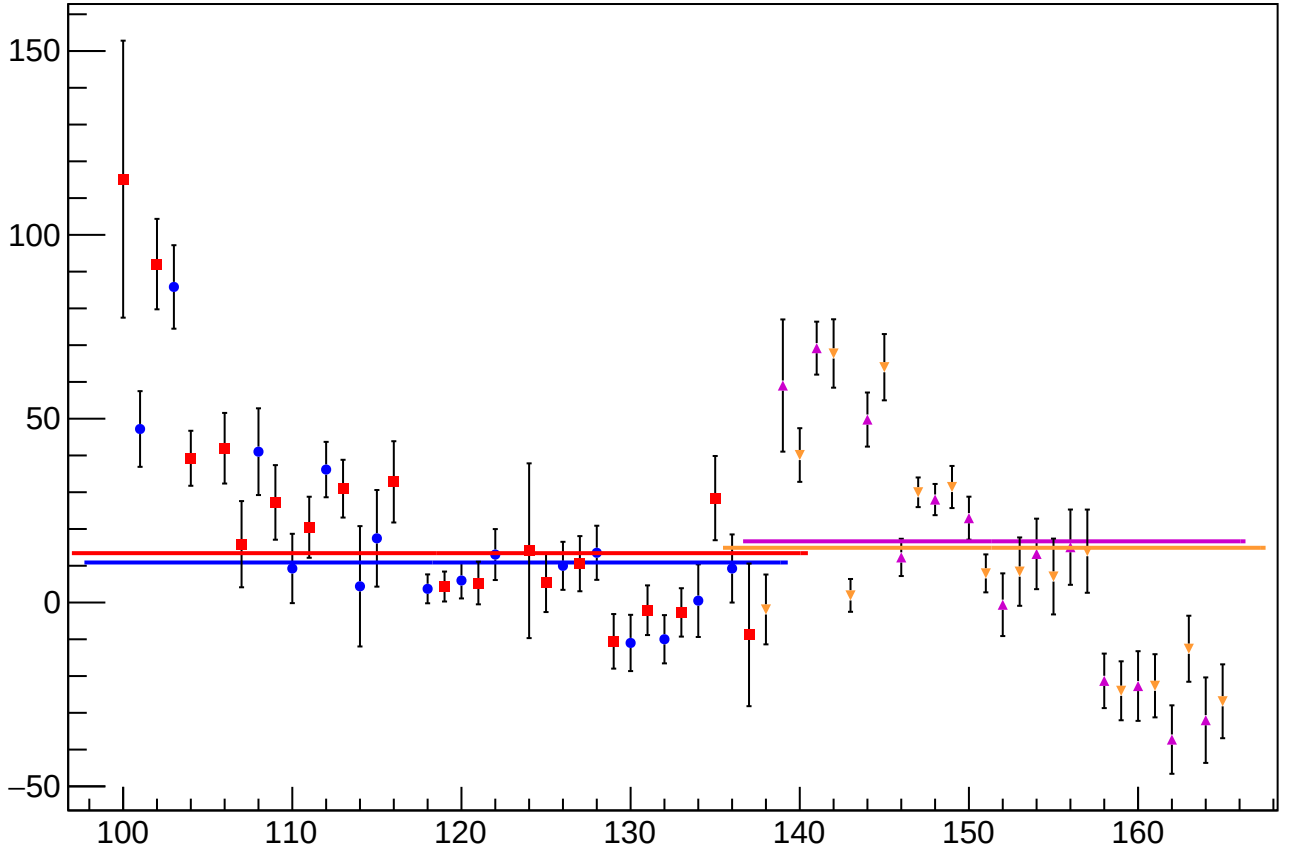
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -404.640+/-1.565 χ^2/NDF:5518.4/28

Out: -372.458+/-1.472 χ^2/NDF:9653.0/33

All: -387.567+/-1.072 χ^2/NDF: 15395.7/62

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 14.888+/-1.786 χ^2/NDF:179.9/14

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 16.647+/-2.012 χ^2/NDF:186.9/12

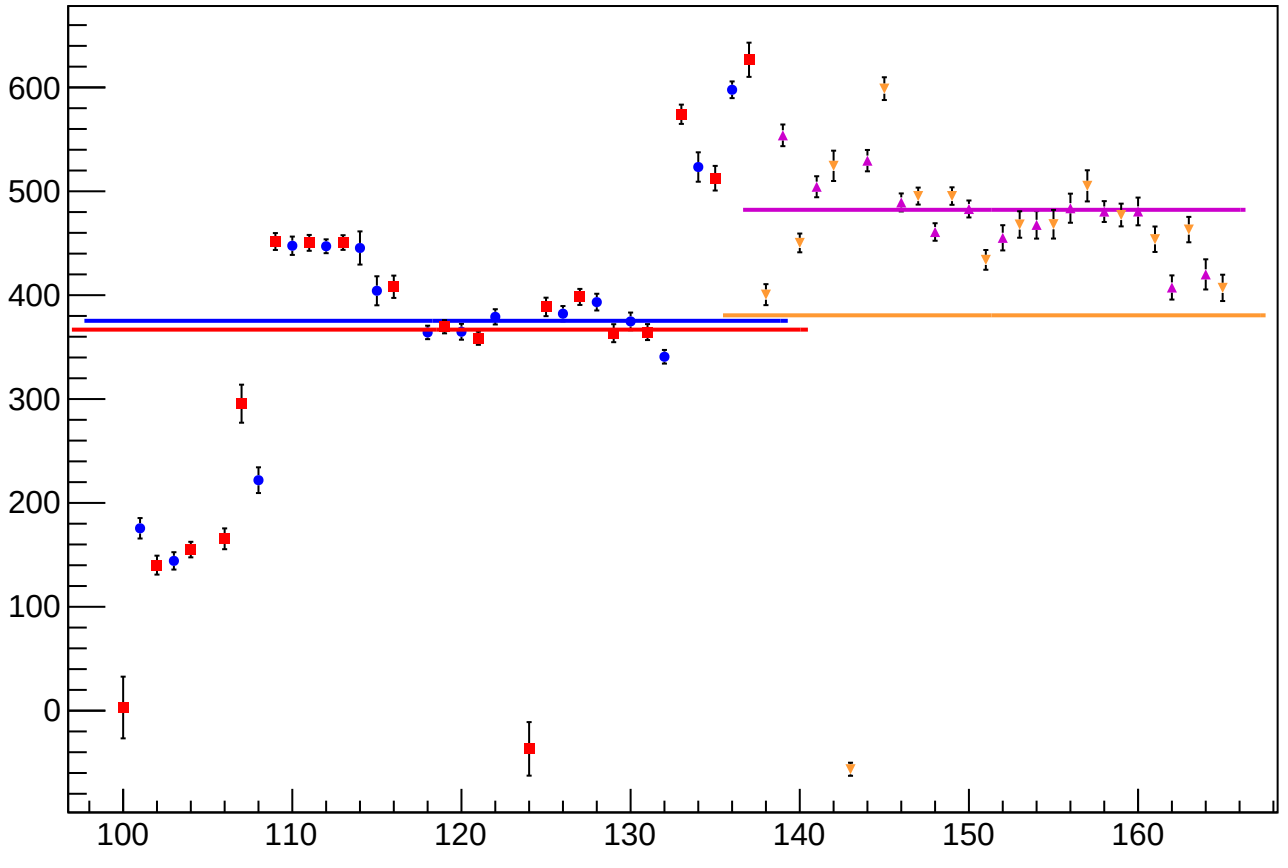
Left: 15.663+/-1.336 χ^2/NDF: 367.2/27

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 13.515+/-1.359 χ^2/NDF:289.6/28

Out: 14.185+/-1.286 χ^2/NDF:292.6/33

All: 13.868+/-0.934 χ^2/NDF: 582.3/62



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 380.604+/-2.634 χ^2/NDF:6107.4/14

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 482.179+/-2.935 χ^2/NDF:146.2/12

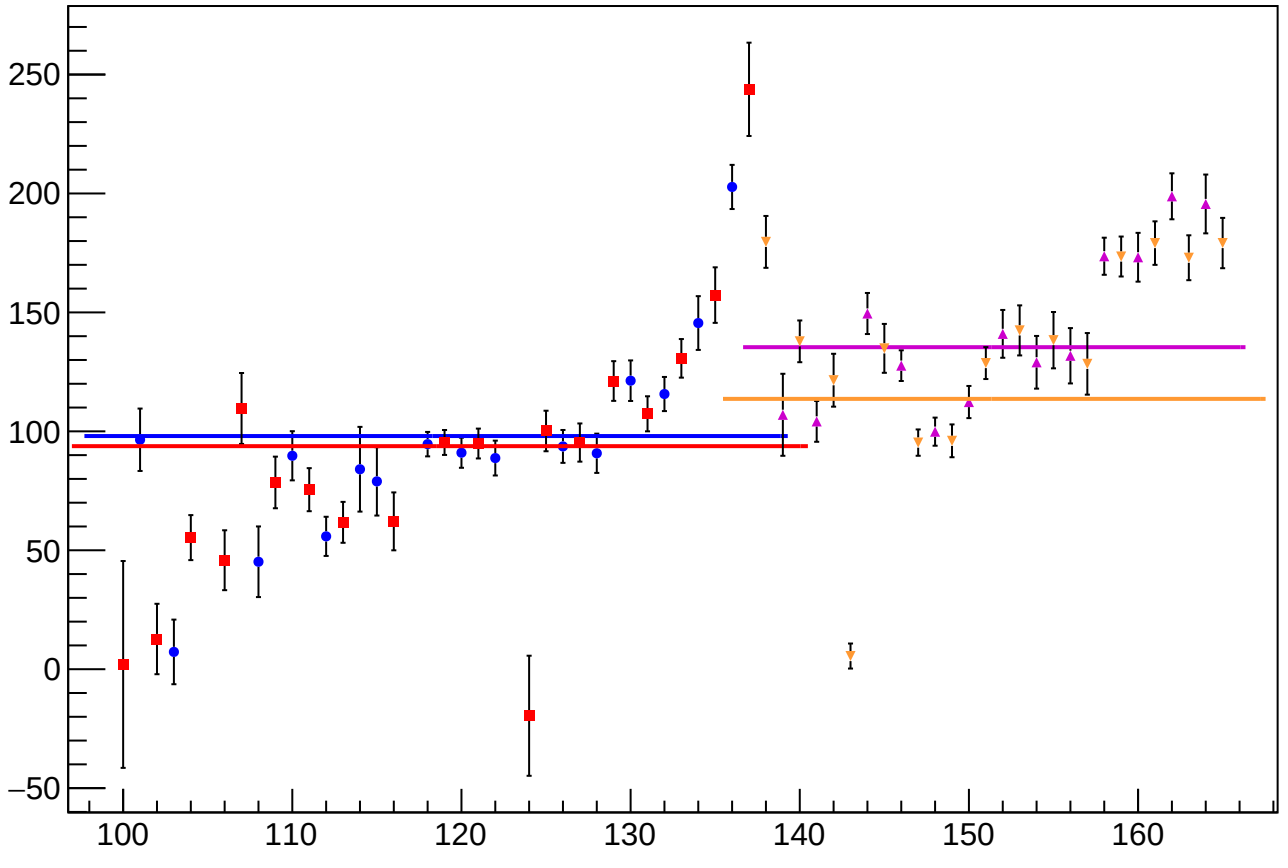
Left: 425.920+/-1.960 χ^2/NDF: 6917.0/27

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.567+/-1.709 χ^2/NDF:3471.6/28

Out: 372.024+/-1.618 χ^2/NDF:9665.6/33

All: 390.705+/-1.175 χ^2/NDF: 13419.5/62



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 113.650+/-2.135 χ^2/NDF:686.6/14

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 135.380+/-2.400 χ^2/NDF:173.1/12

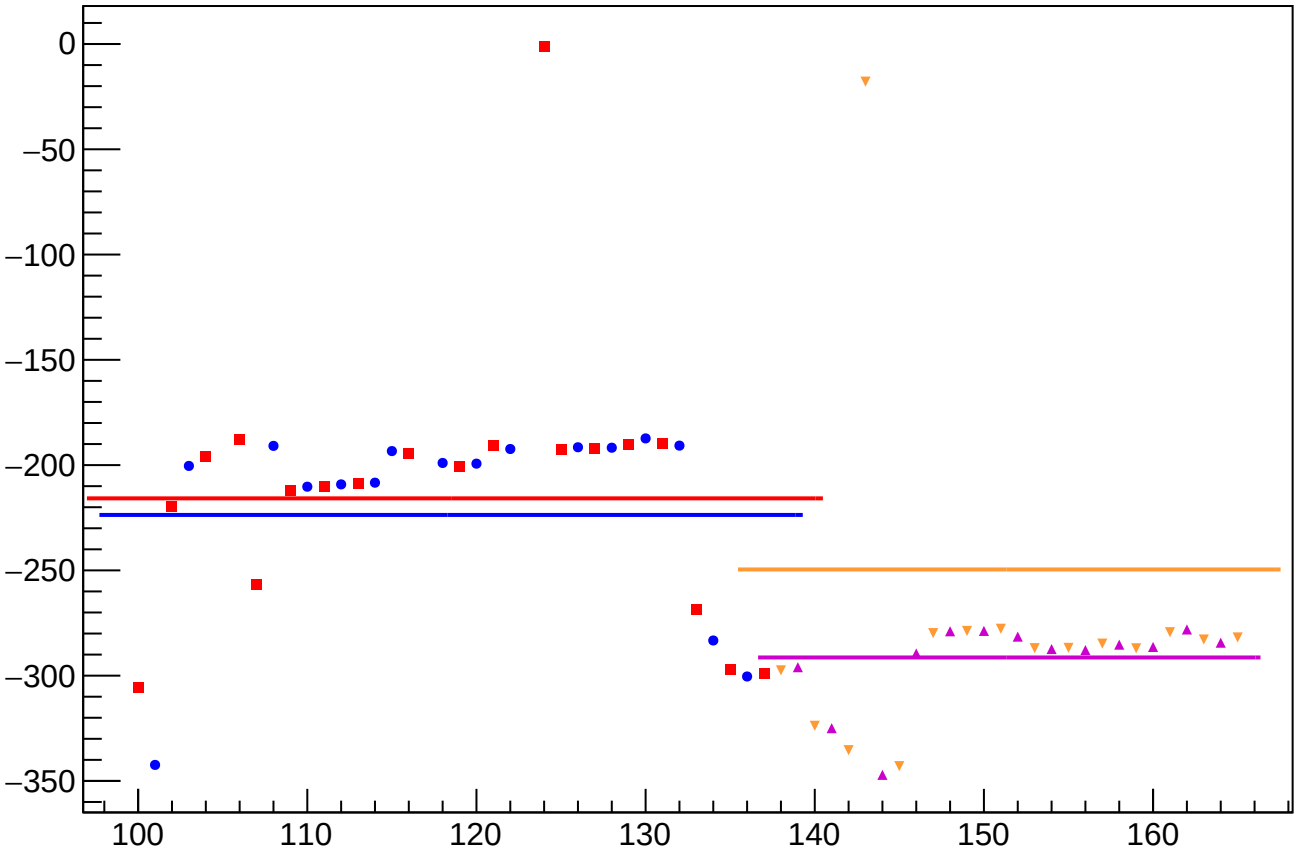
Left: 123.249+/-1.595 χ^2/NDF: 905.4/27

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 114.603+/-1.599 χ^2/NDF:557.3/28

Out: 103.726+/-1.511 χ^2/NDF:967.0/33

All: 108.857+/-1.098 χ^2/NDF: 1548.7/62



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -249.563+/-0.103 χ^2/NDF:963657.5/14

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -291.367+/-0.112 χ^2/NDF:26347.0/12

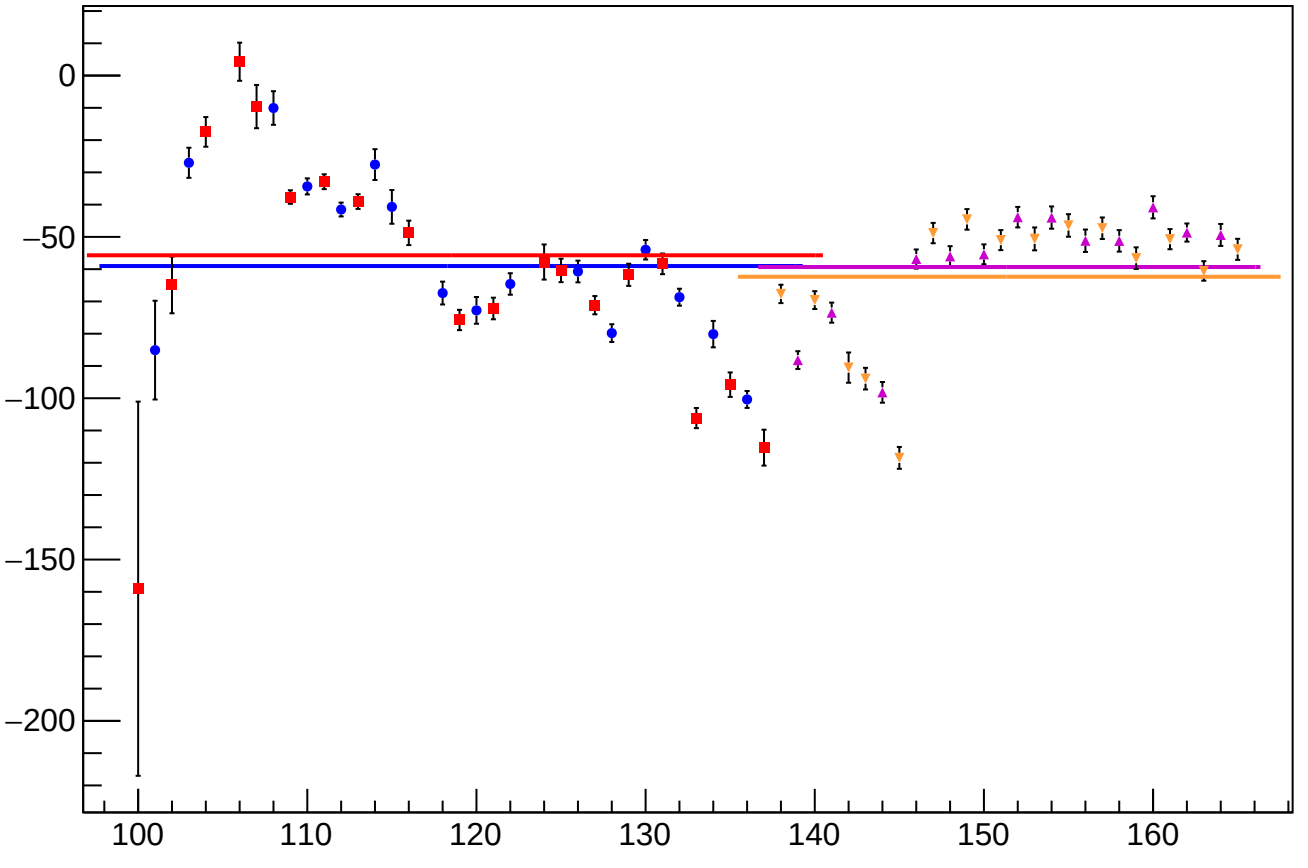
Left: -268.713+/-0.076 χ^2/NDF: 1064878.4/27

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -264.416+/-0.087 χ^2/NDF:292138.7/28

Out: -236.996+/-0.082 χ^2/NDF:1084862.8/33

All: -249.844+/-0.060 χ^2/NDF: 1429482.0/62



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -62.360+/-0.838 χ^2/NDF:548.8/14

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -59.330+/-0.876 χ^2/NDF:386.8/12

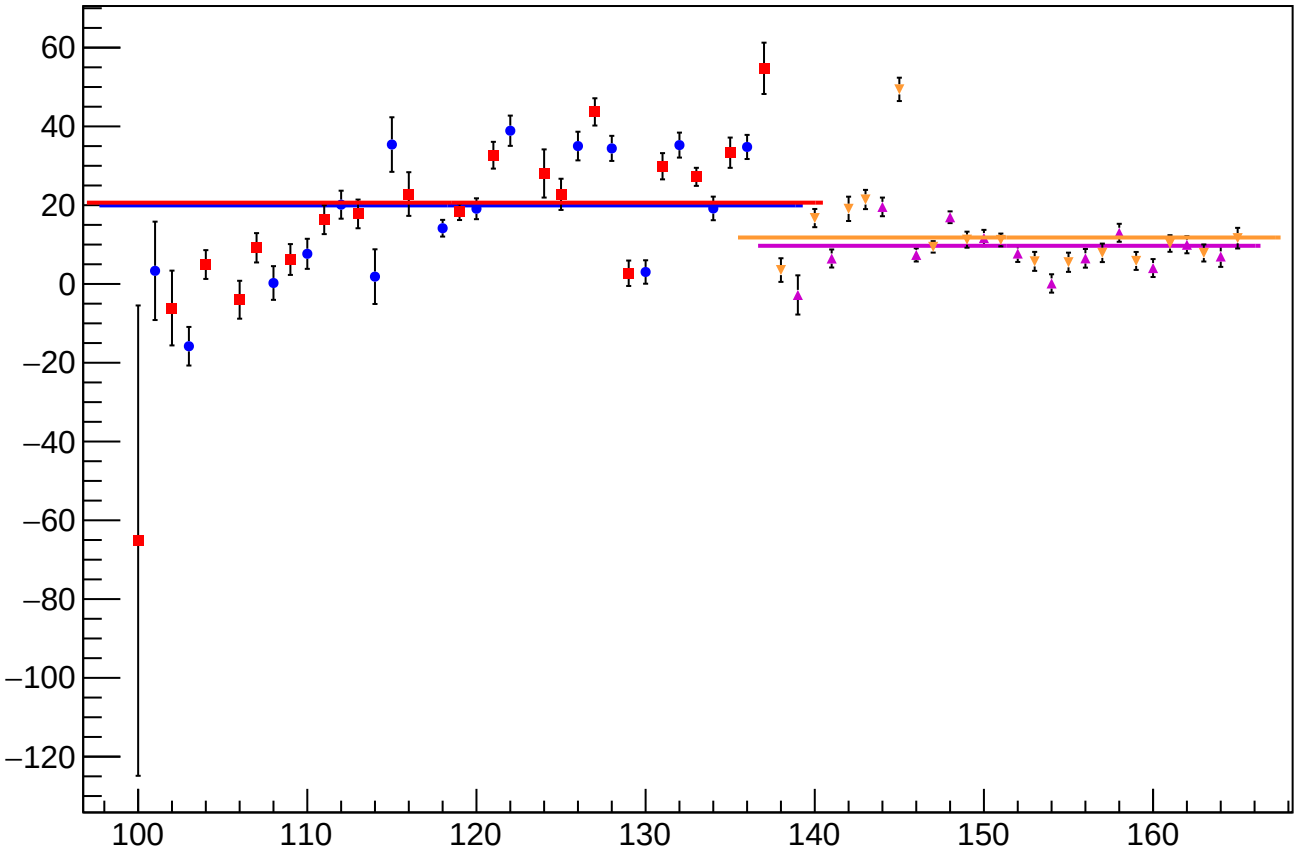
Left: -60.912+/-0.605 χ^2/NDF: 941.8/27

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -59.172+/-0.602 χ^2/NDF:1114.2/28

Out: -58.835+/-0.575 χ^2/NDF:1623.4/33

All: -58.996+/-0.416 χ^2/NDF: 2737.7/62



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.798+/-0.570 χ^2/NDF:223.5/14

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.690+/-0.601 χ^2/NDF:80.8/12

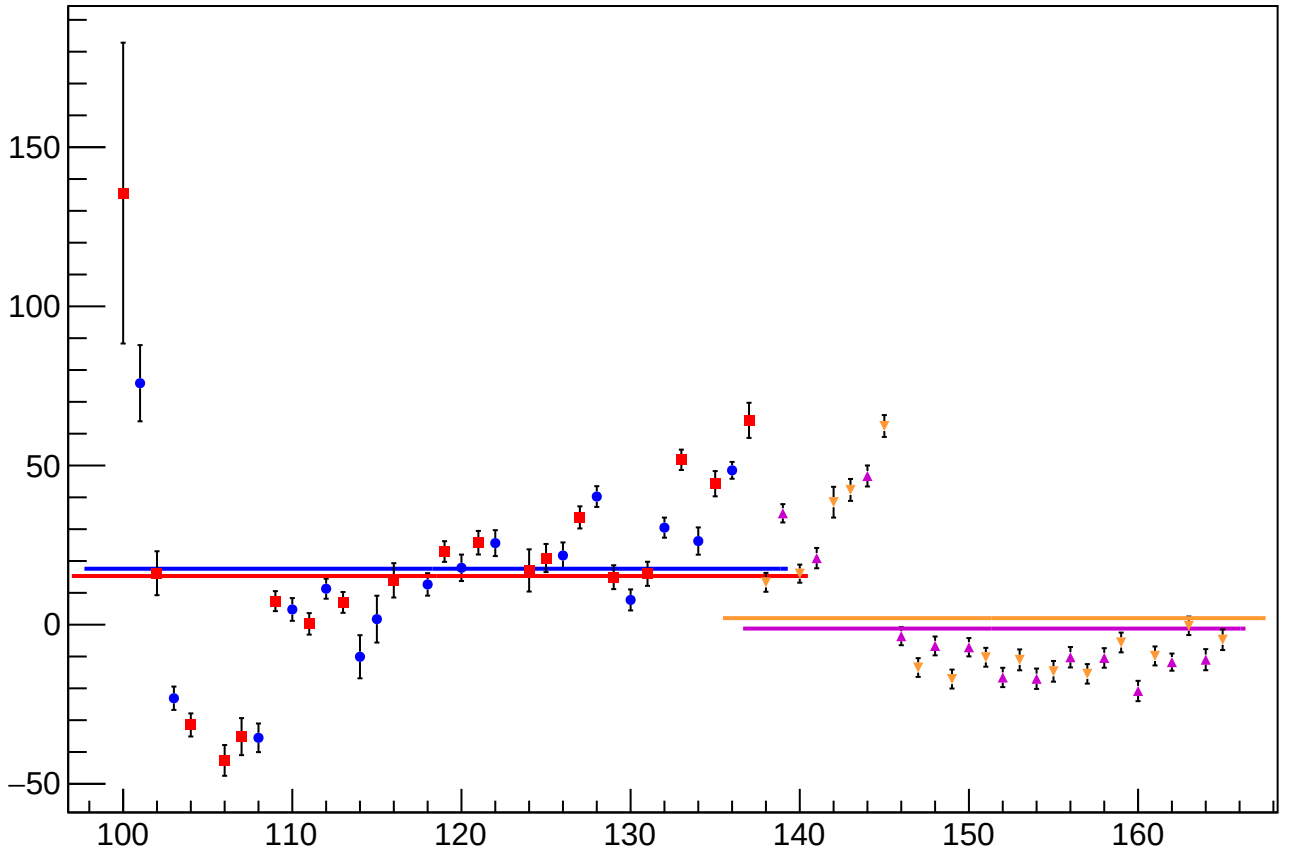
Left: 10.800+/-0.414 χ^2/NDF: 310.8/27

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.017+/-0.494 χ^2/NDF:422.5/28

Out: 14.569+/-0.472 χ^2/NDF:523.7/33

All: 13.828+/-0.341 χ^2/NDF: 951.3/62



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.052+/-0.812 χ^2/NDF:729.1/14

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -1.225+/-0.844 χ^2/NDF:554.1/12

Left: 0.475+/-0.585 χ^2/NDF: 1291.1/27

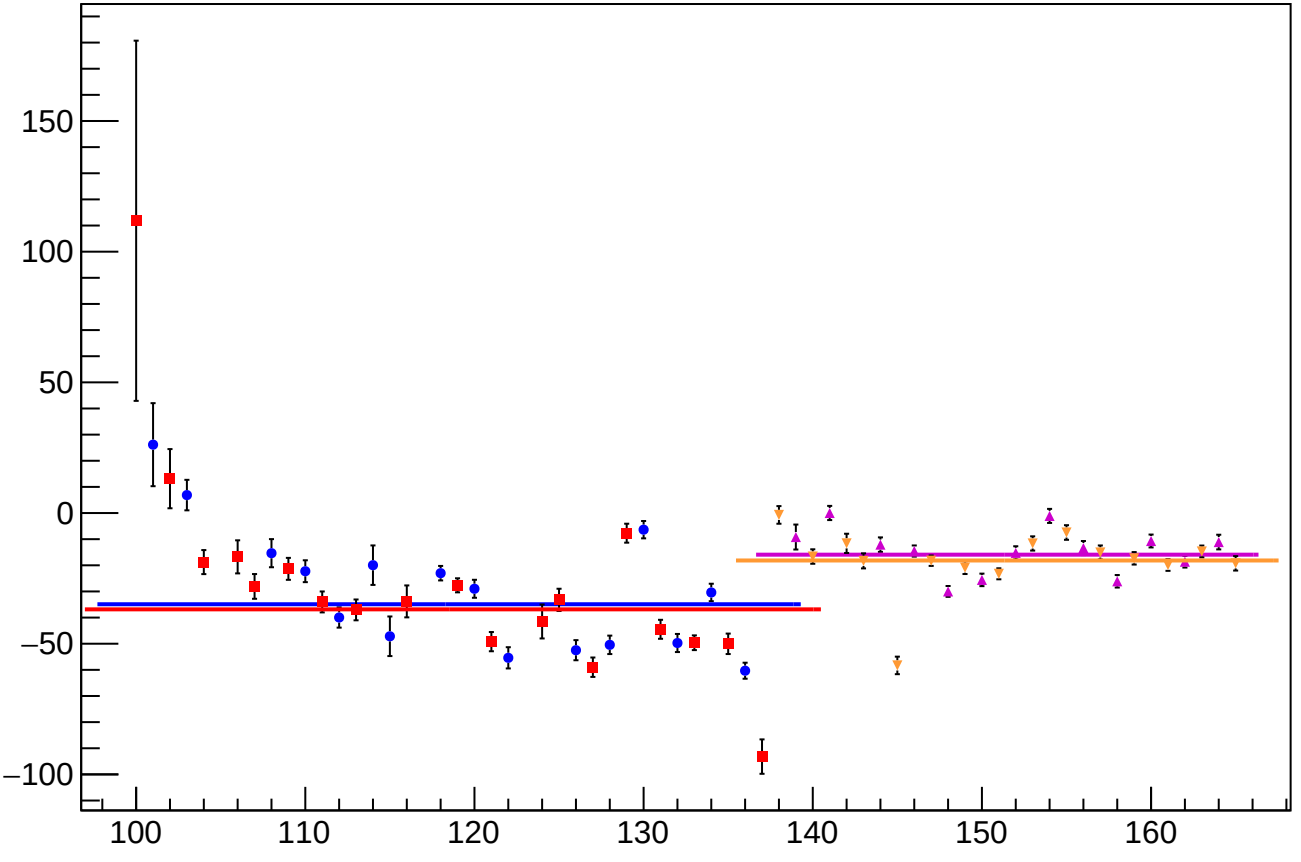
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 6.999+/-0.633 χ^2/NDF:1317.5/28

Out: 7.752+/-0.613 χ^2/NDF:1573.4/33

All: 7.387+/-0.440 χ^2/NDF: 2891.7/62

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.152+/-0.667 χ^2/NDF:205.4/14

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -15.931+/-0.701 χ^2/NDF:159.4/12

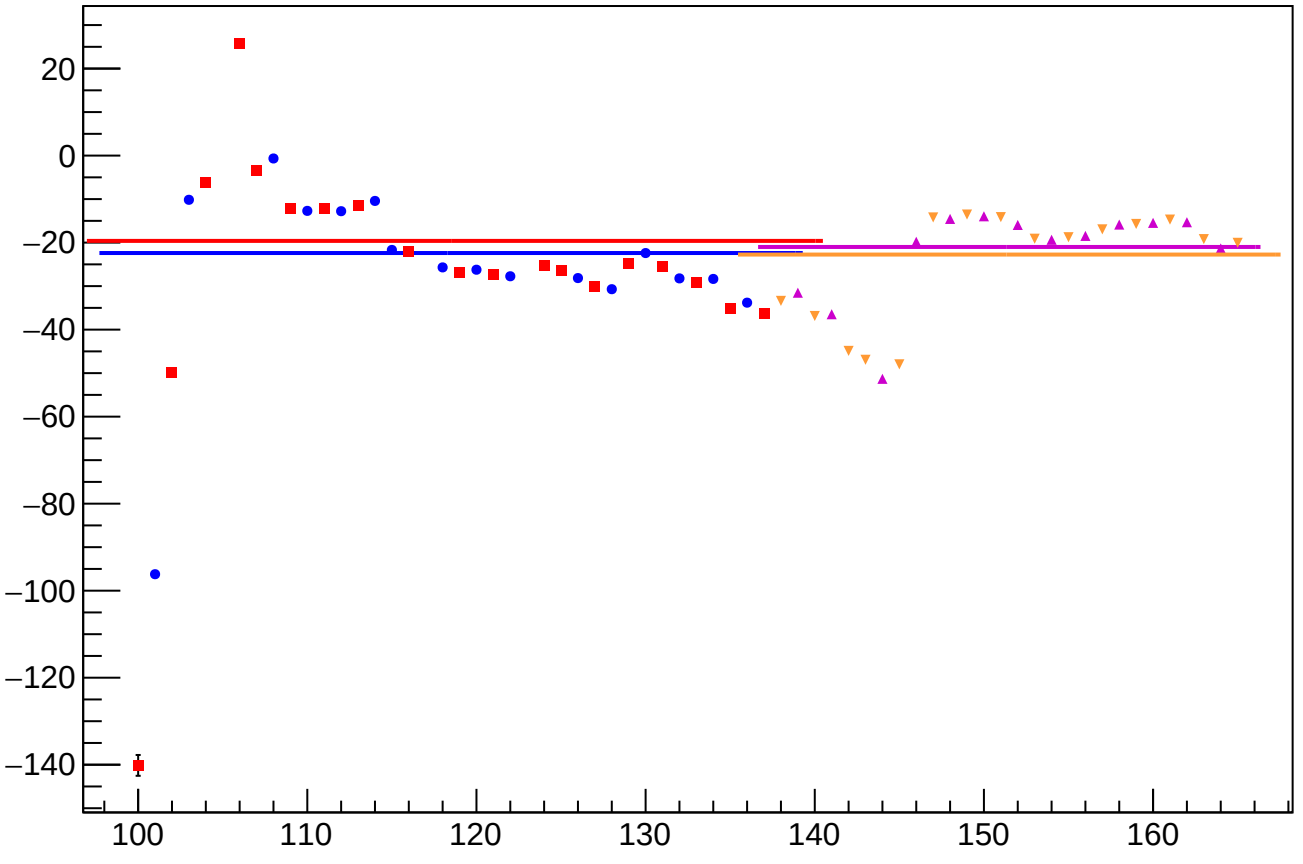
Left: -17.097+/-0.483 χ^2/NDF: 370.1/27

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -22.266+/-0.572 χ^2/NDF:750.4/28

Out: -24.159+/-0.549 χ^2/NDF:759.4/33

All: -23.251+/-0.396 χ^2/NDF: 1515.5/62



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.748+/-0.031 χ^2/NDF:129578.3/14

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.999+/-0.032 χ^2/NDF:84364.3/12

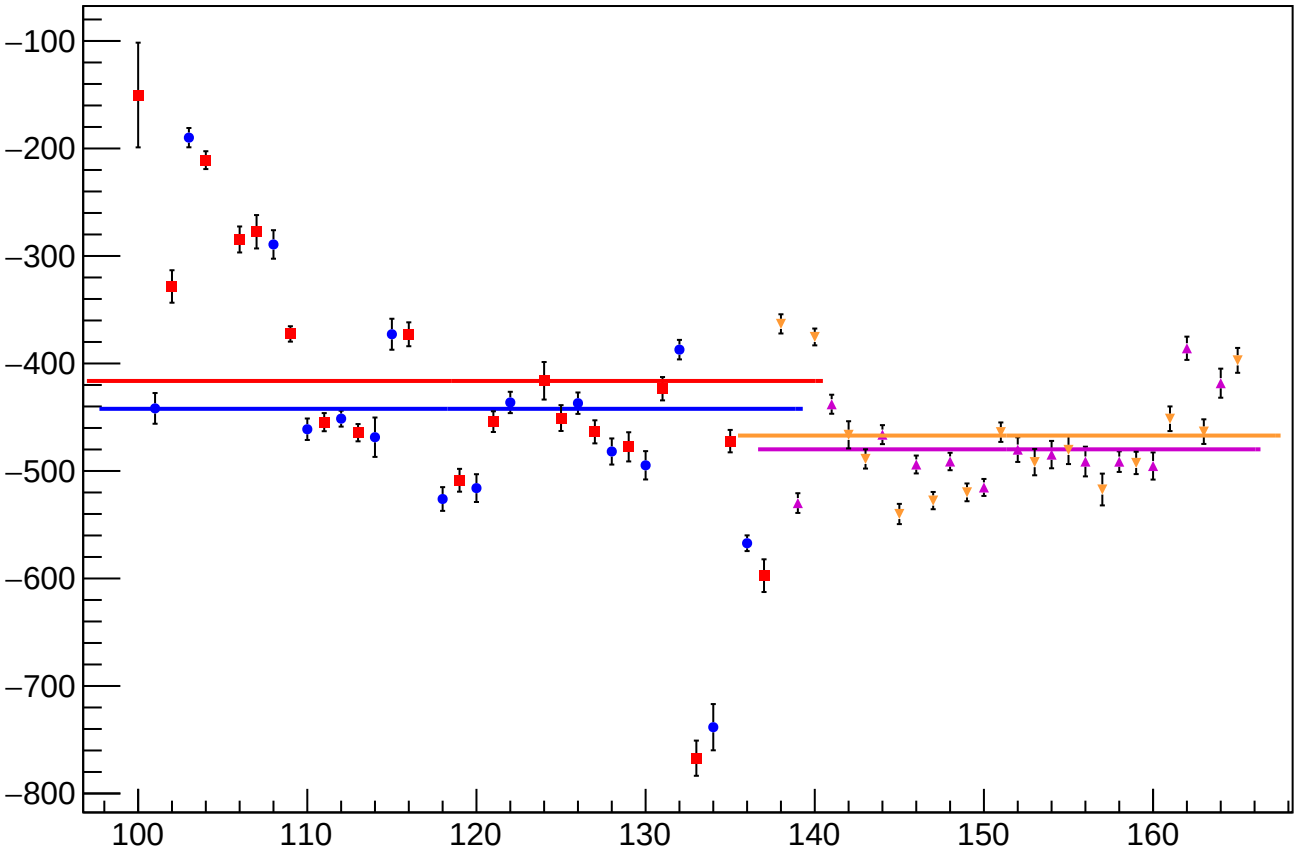
Left: -21.898+/-0.022 χ^2/NDF: 215520.8/27

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.315+/-0.028 χ^2/NDF:131326.7/28

Out: -22.087+/-0.027 χ^2/NDF:215650.4/33

All: -21.708+/-0.019 χ^2/NDF: 347370.3/62



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -467.051+/-2.580 χ^2/NDF:497.6/14

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -479.864+/-2.738 χ^2/NDF:179.5/12

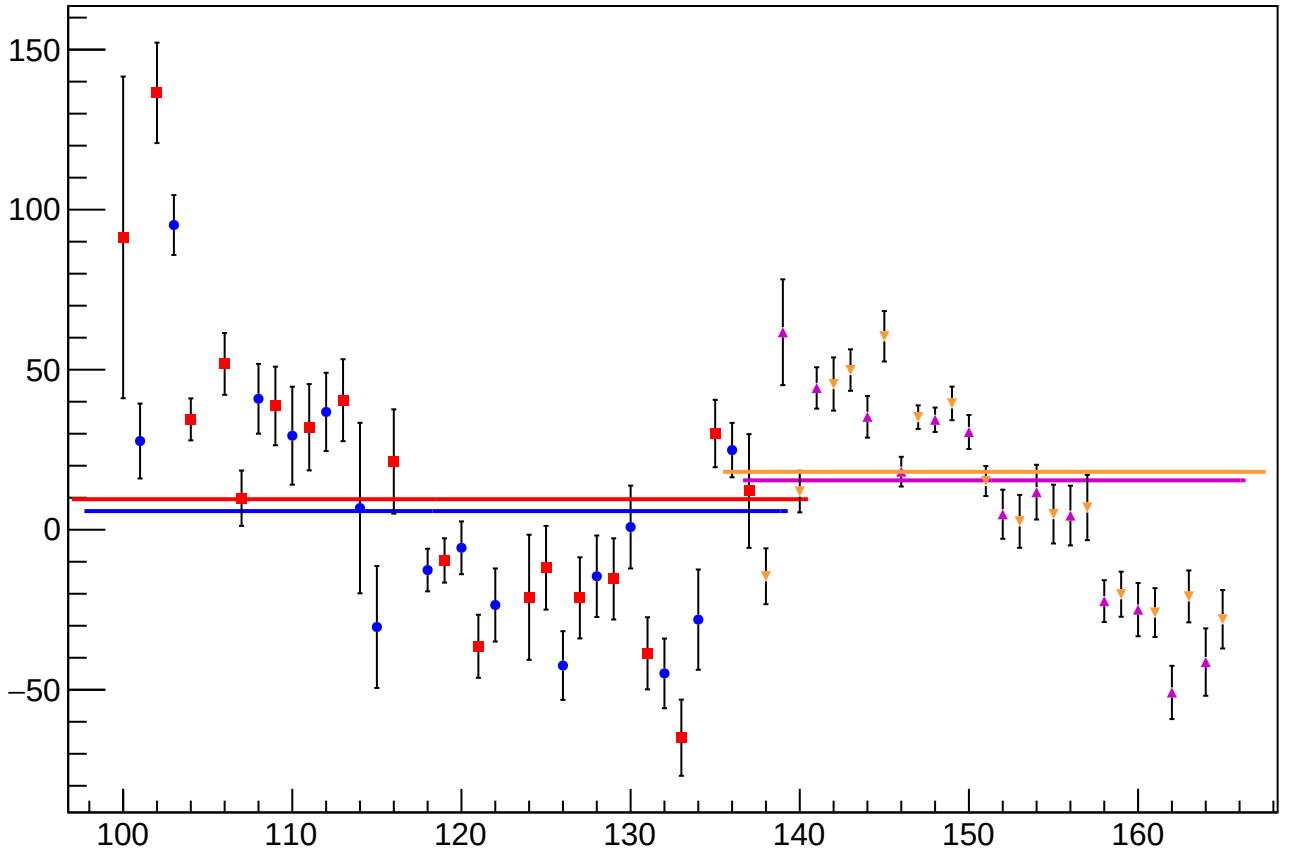
Left: -473.077+/-1.878 χ^2/NDF: 688.7/27

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -460.628+/-1.916 χ^2/NDF:1865.3/28

Out: -441.079+/-1.804 χ^2/NDF:2449.5/33

All: -450.265+/-1.313 χ^2/NDF: 4370.0/62



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 18.094+/-1.697 χ^2/NDF:235.2/14

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 15.425+/-1.809 χ^2/NDF:223.1/12

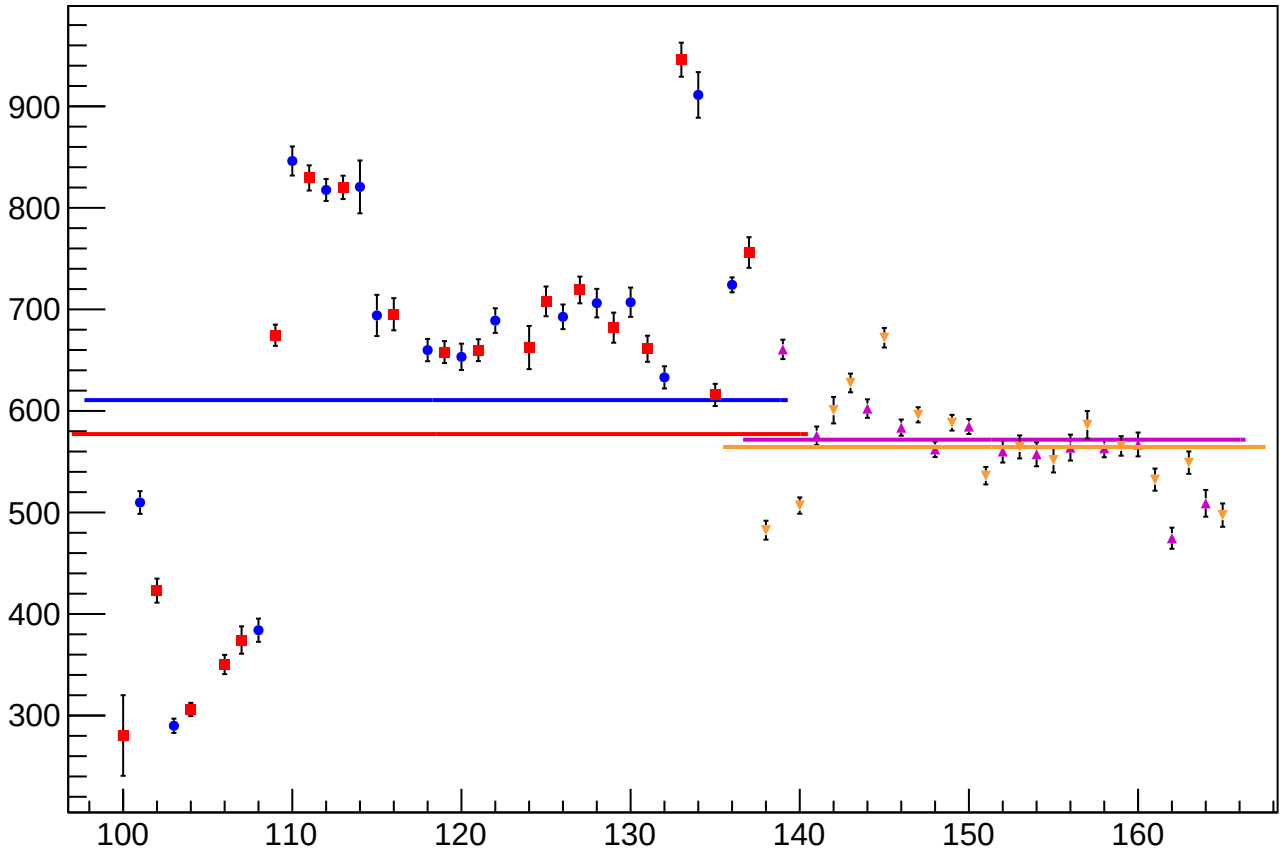
Left: 16.845+/-1.238 χ^2/NDF: 459.5/27

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 12.492+/-1.508 χ^2/NDF:419.8/28

Out: 15.477+/-1.414 χ^2/NDF:465.2/33

All: 14.081+/-1.031 χ^2/NDF: 887.1/62



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 564.494+/-2.512 χ^2/NDF:394.8/14

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 571.673+/-2.640 χ^2/NDF:218.8/12

Left: 567.906+/-1.820 χ^2/NDF: 617.5/27

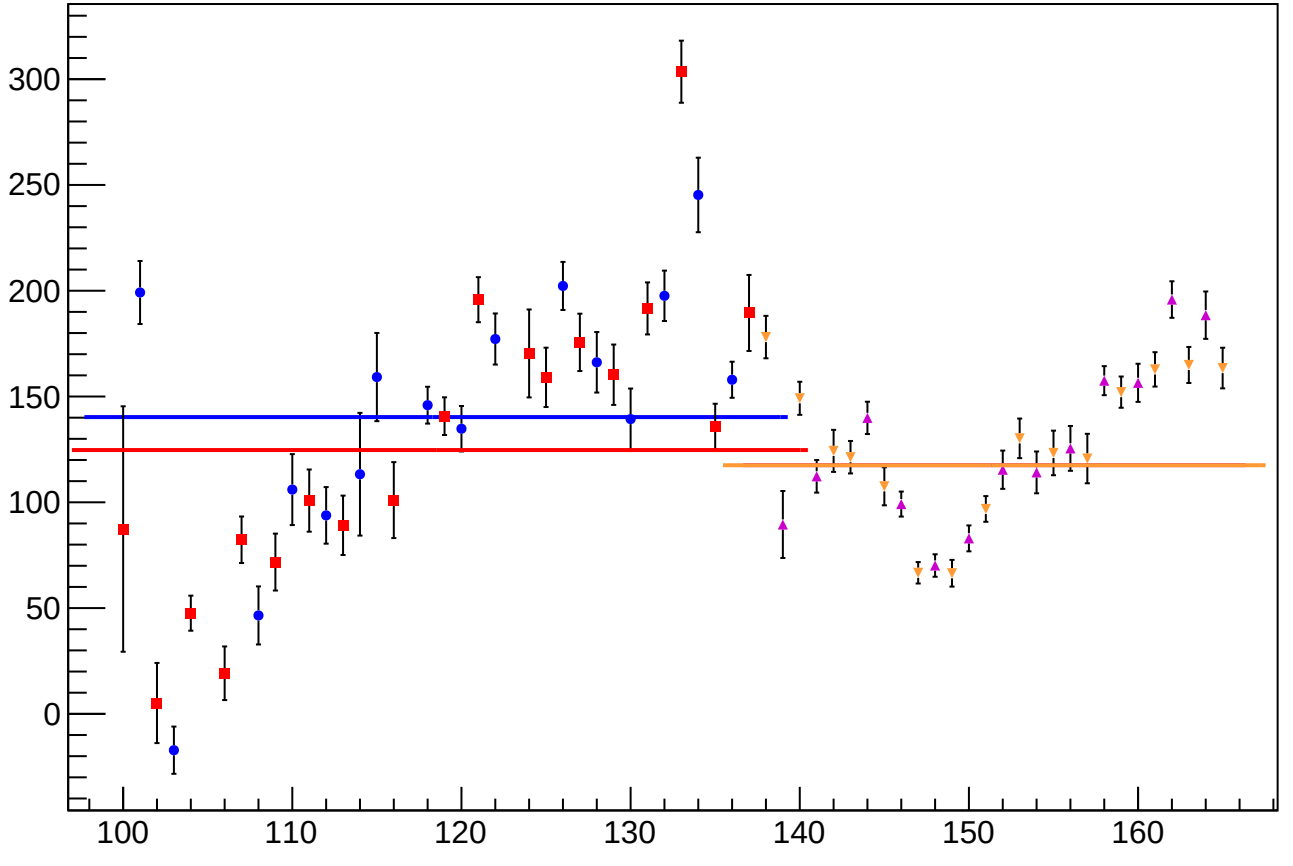
Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 589.395+/-1.950 χ^2/NDF:4210.5/28

Out: 570.265+/-1.856 χ^2/NDF:5206.7/33

All: 579.360+/-1.344 χ^2/NDF: 9467.7/62

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 117.517+/-2.029 χ^2/NDF:341.6/14

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 117.574+/-2.157 χ^2/NDF:309.0/12

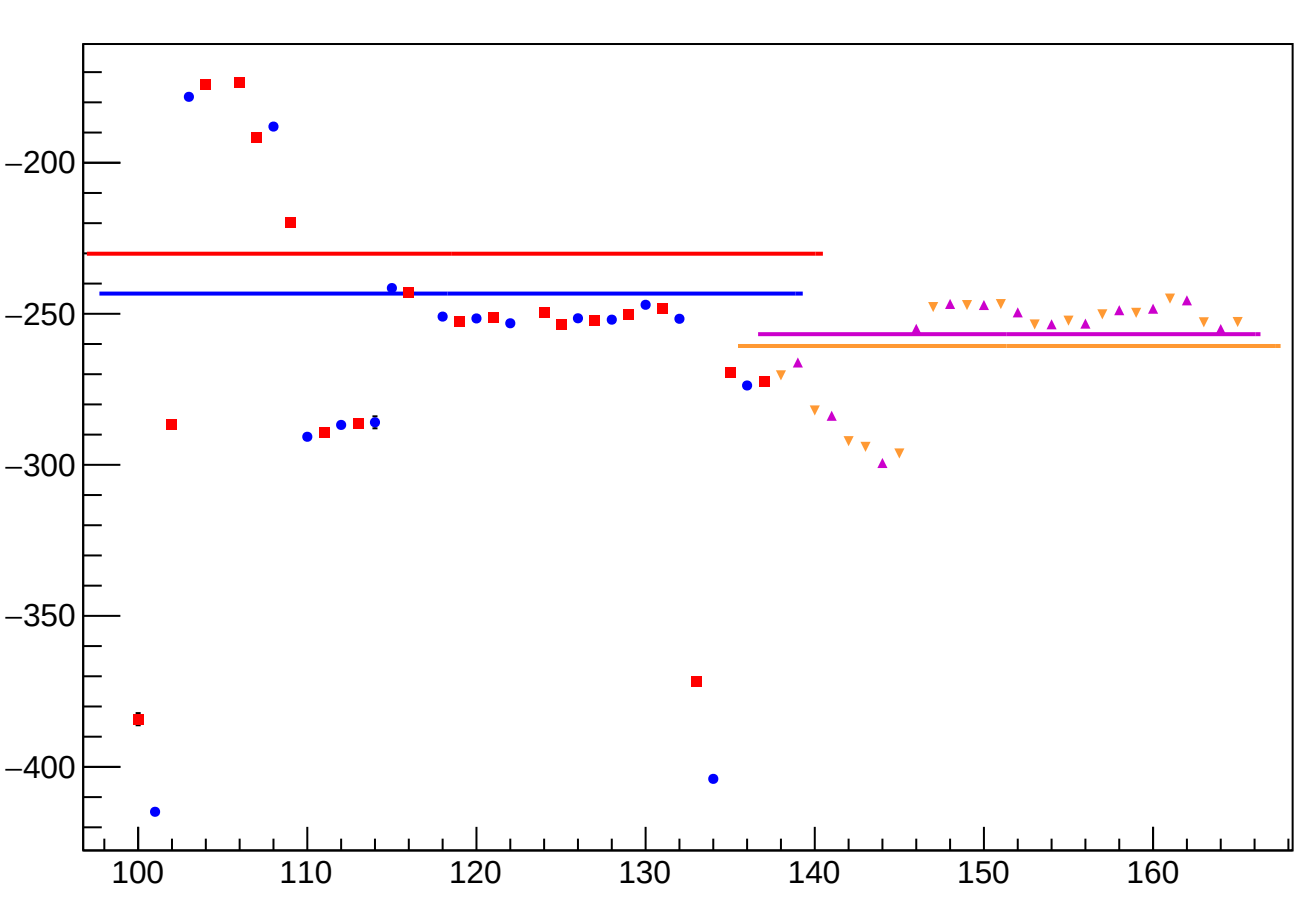
Left: 117.544+/-1.478 χ^2/NDF: 650.6/27

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 124.816+/-1.780 χ^2/NDF:729.7/28

Out: 119.793+/-1.677 χ^2/NDF:854.1/33

All: 122.155+/-1.220 χ^2/NDF: 1588.1/62



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -260.660+/-0.098 χ^2/NDF:33599.3/14

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -256.747+/-0.101 χ^2/NDF:21533.4/12

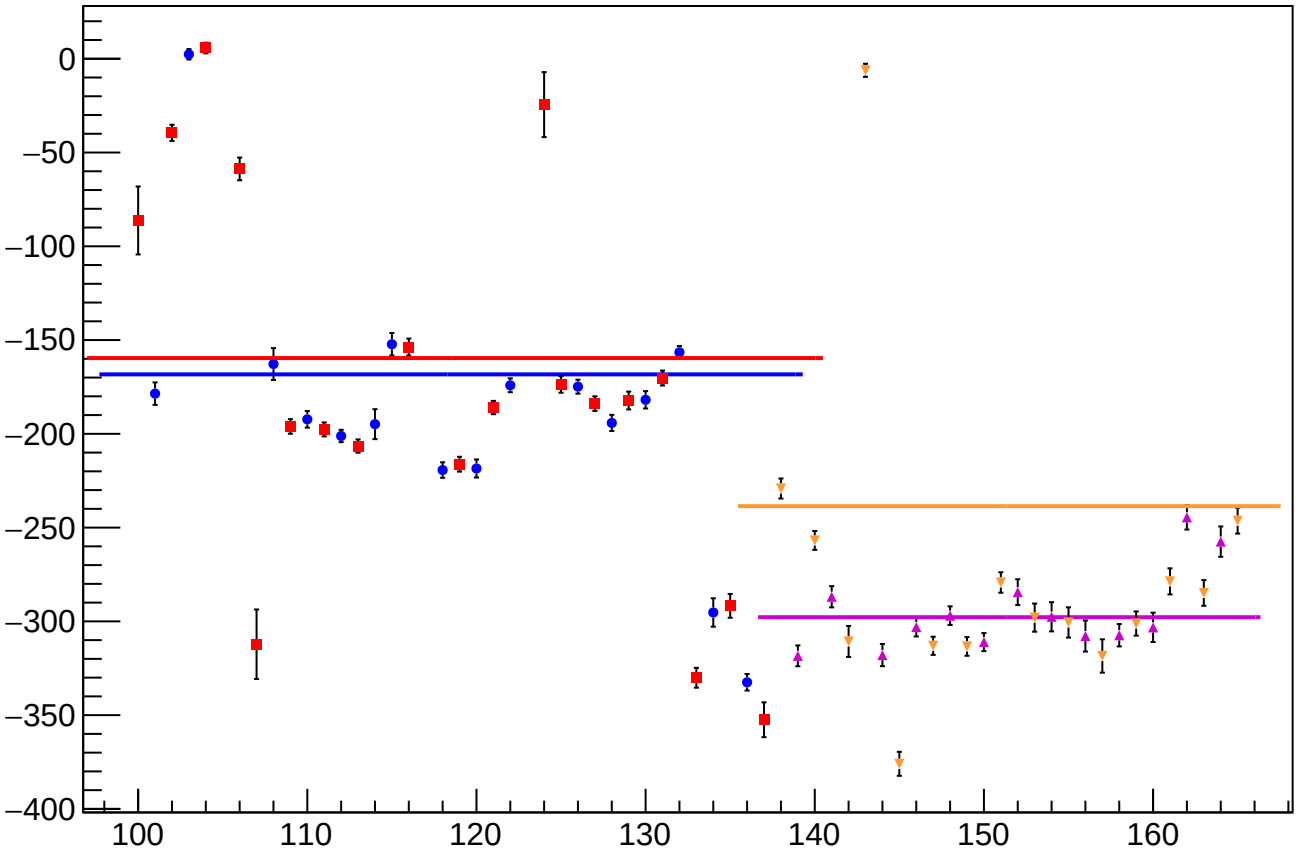
Left: -258.766+/-0.070 χ^2/NDF: 55905.4/27

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.995+/-0.086 χ^2/NDF:199950.6/28

Out: -252.132+/-0.083 χ^2/NDF:163219.0/33

All: -252.550+/-0.060 χ^2/NDF: 363221.8/62



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.586+/-1.500 χ^2/NDF:5835.5/14

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -297.794+/-1.687 χ^2/NDF:137.6/12

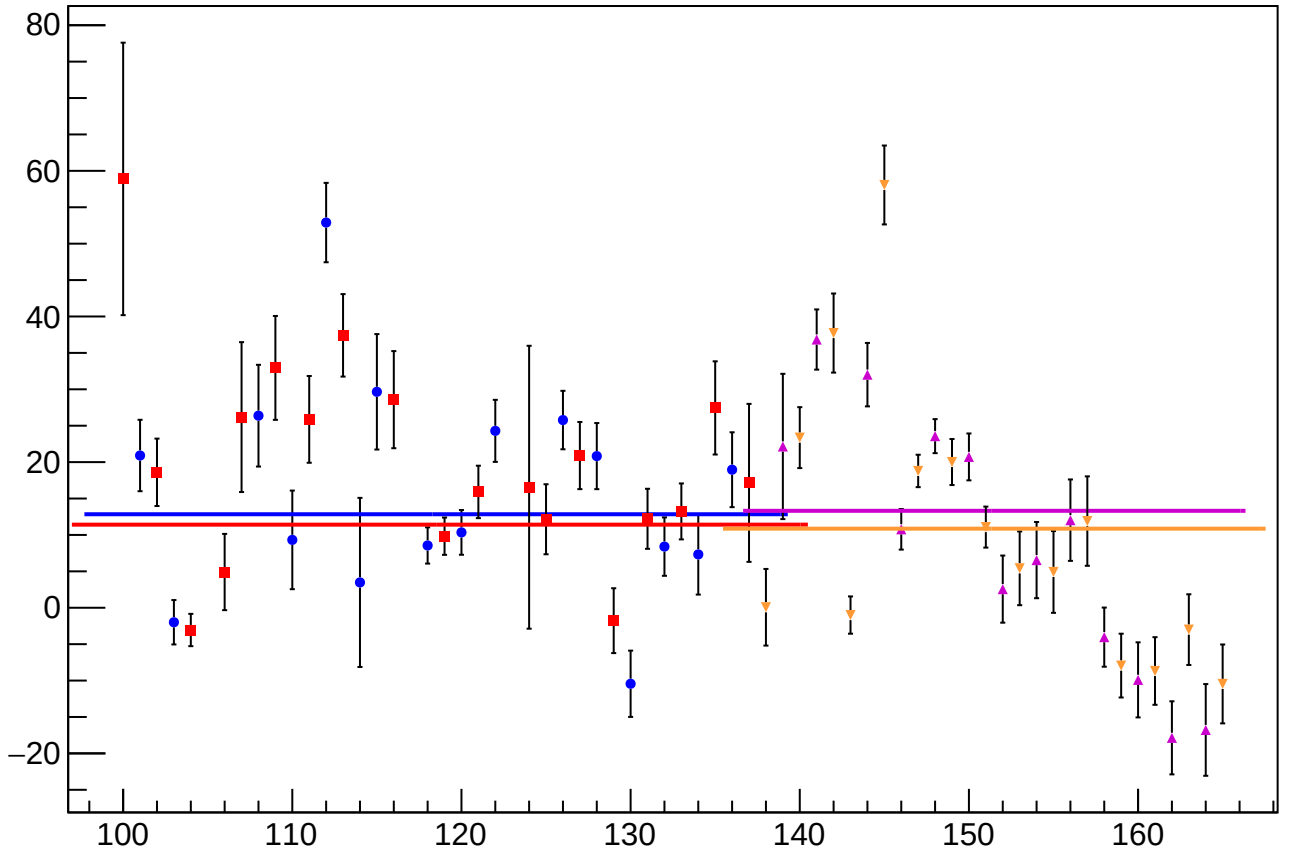
Left: -264.738+/-1.121 χ^2/NDF: 6660.9/27

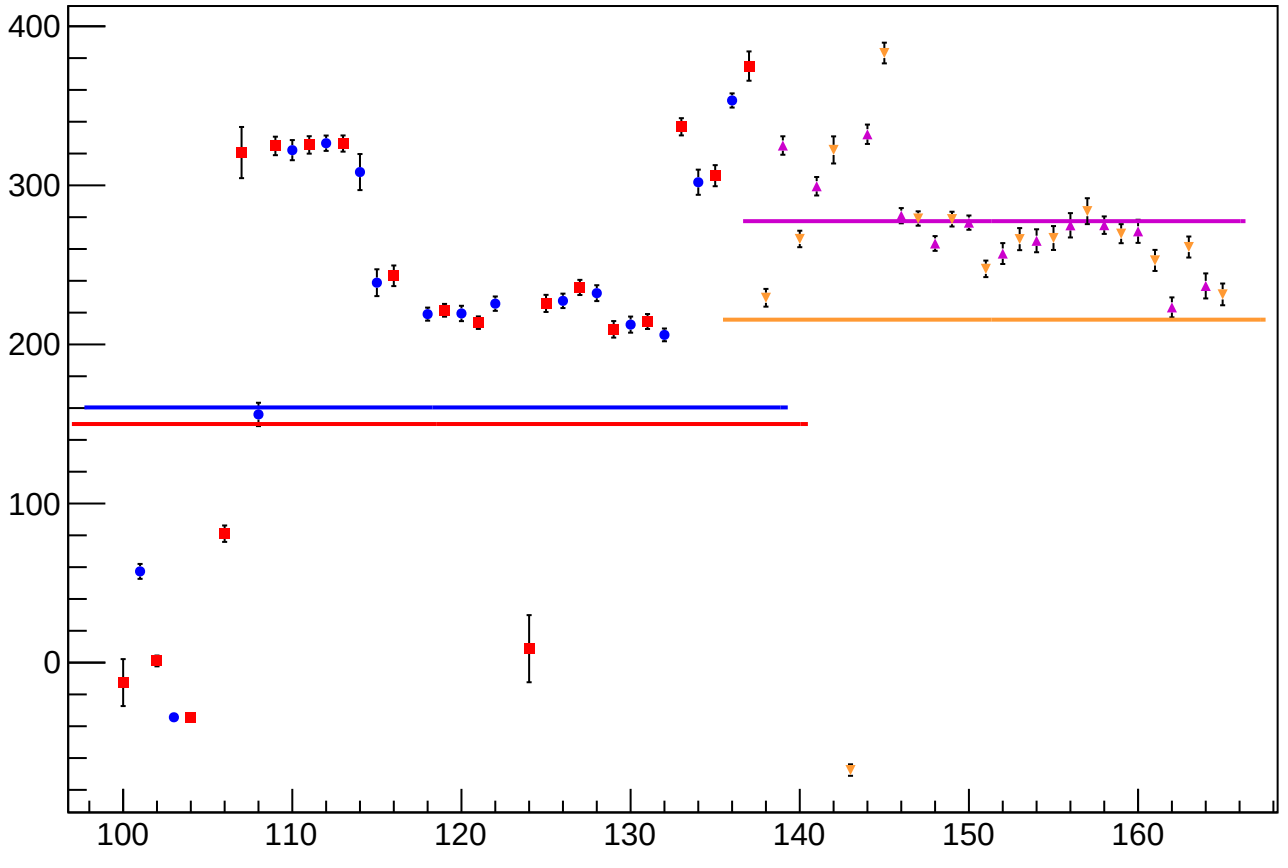
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -205.730+/-0.907 χ^2/NDF:10234.8/28

Out: -185.310+/-0.856 χ^2/NDF:14902.4/33

All: -194.930+/-0.623 χ^2/NDF: 25405.2/62


reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 12.842+/-1.076 χ²/NDF: 143.7/15
Left Out: 10.862+/-0.993 χ²/NDF:218.2/14
Right Out: 11.414+/-1.035 χ²/NDF: 119.6/18
Left In: 13.314+/-1.112 χ²/NDF:184.1/12
Left: 11.949+/-0.741 χ²/NDF: 405.0/27
Right: 12.100+/-0.746 χ²/NDF: 264.2/34
In: 13.070+/-0.773 χ²/NDF:327.9/28
Out: 11.126+/-0.717 χ²/NDF:337.9/33
All: 12.024+/-0.526 χ²/NDF: 669.2/62



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 215.577+/-1.467 χ^2/NDF:7830.9/14

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 277.498+/-1.624 χ^2/NDF:286.8/12

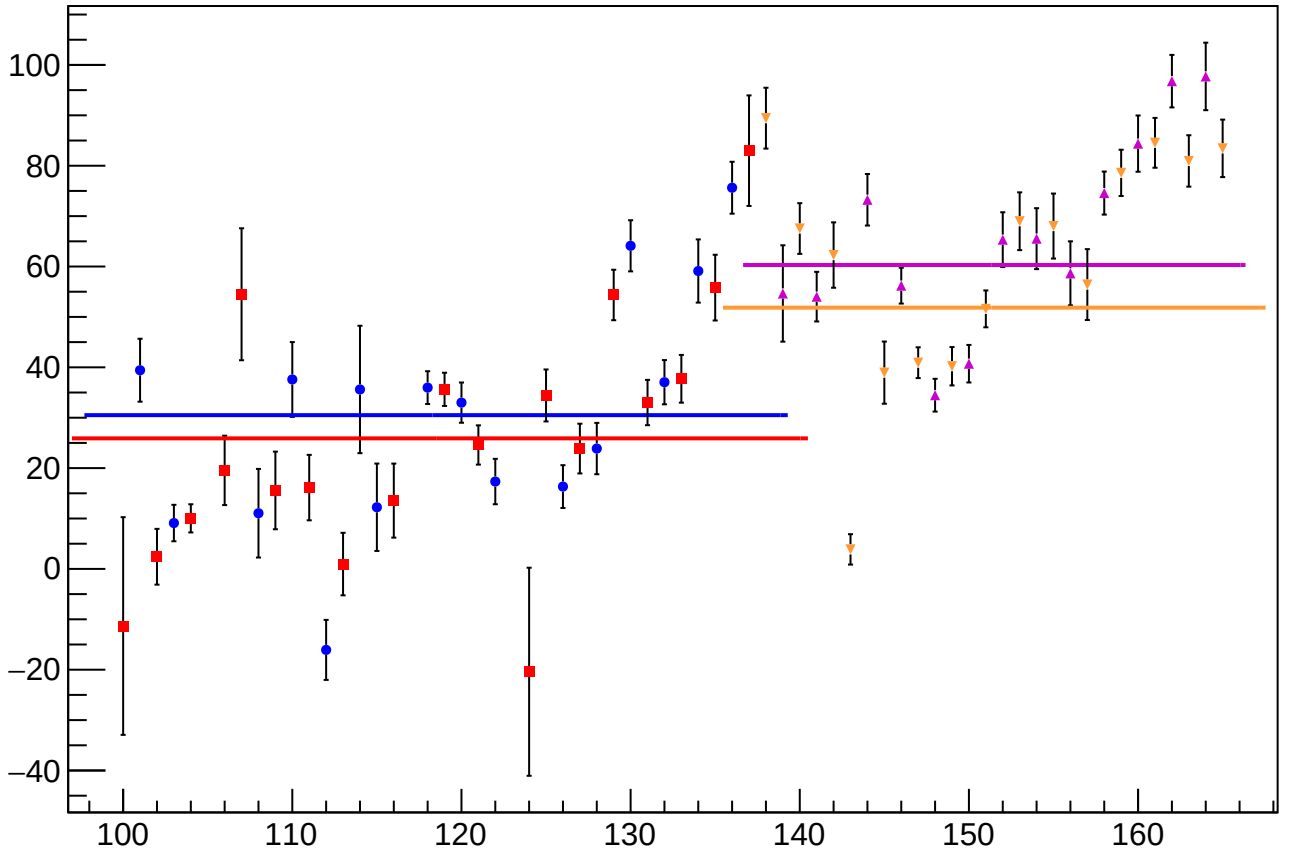
Left: 243.395+/-1.089 χ^2/NDF: 8918.2/27

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 199.007+/-0.933 χ^2/NDF:17720.5/28

Out: 173.771+/-0.884 χ^2/NDF:25370.6/33

All: 185.708+/-0.641 χ^2/NDF: 43477.0/62



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 51.840+/-1.187 χ^2/NDF:487.1/14

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.302+/-1.326 χ^2/NDF:212.2/12

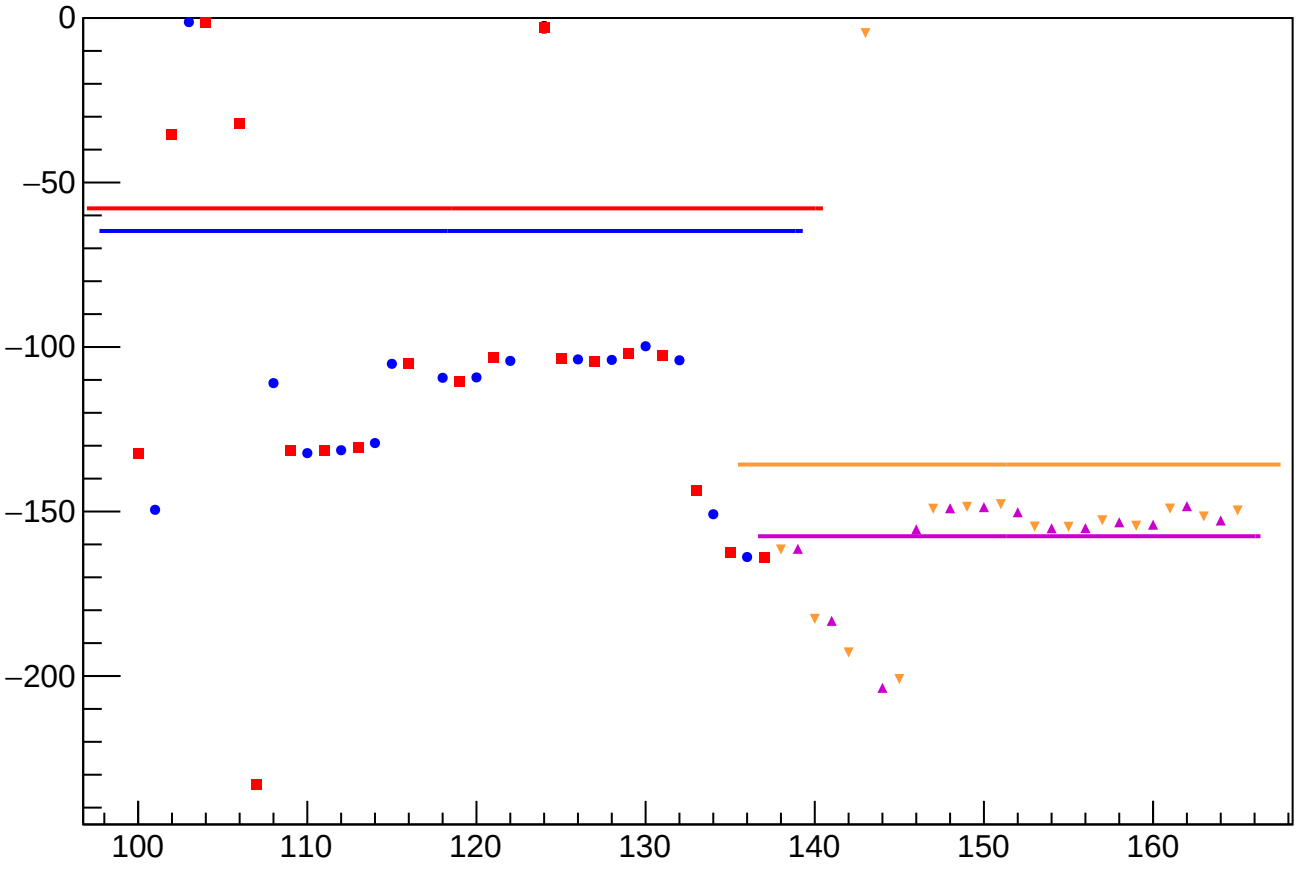
Left: 55.602+/-0.884 χ^2/NDF: 721.9/27

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 44.577+/-0.911 χ^2/NDF:755.5/28

Out: 39.158+/-0.848 χ^2/NDF:908.5/33

All: 41.673+/-0.621 χ^2/NDF: 1682.9/62



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -135.719+/-0.057 χ^2/NDF:958042.1/14

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -157.515+/-0.062 χ^2/NDF:48605.4/12

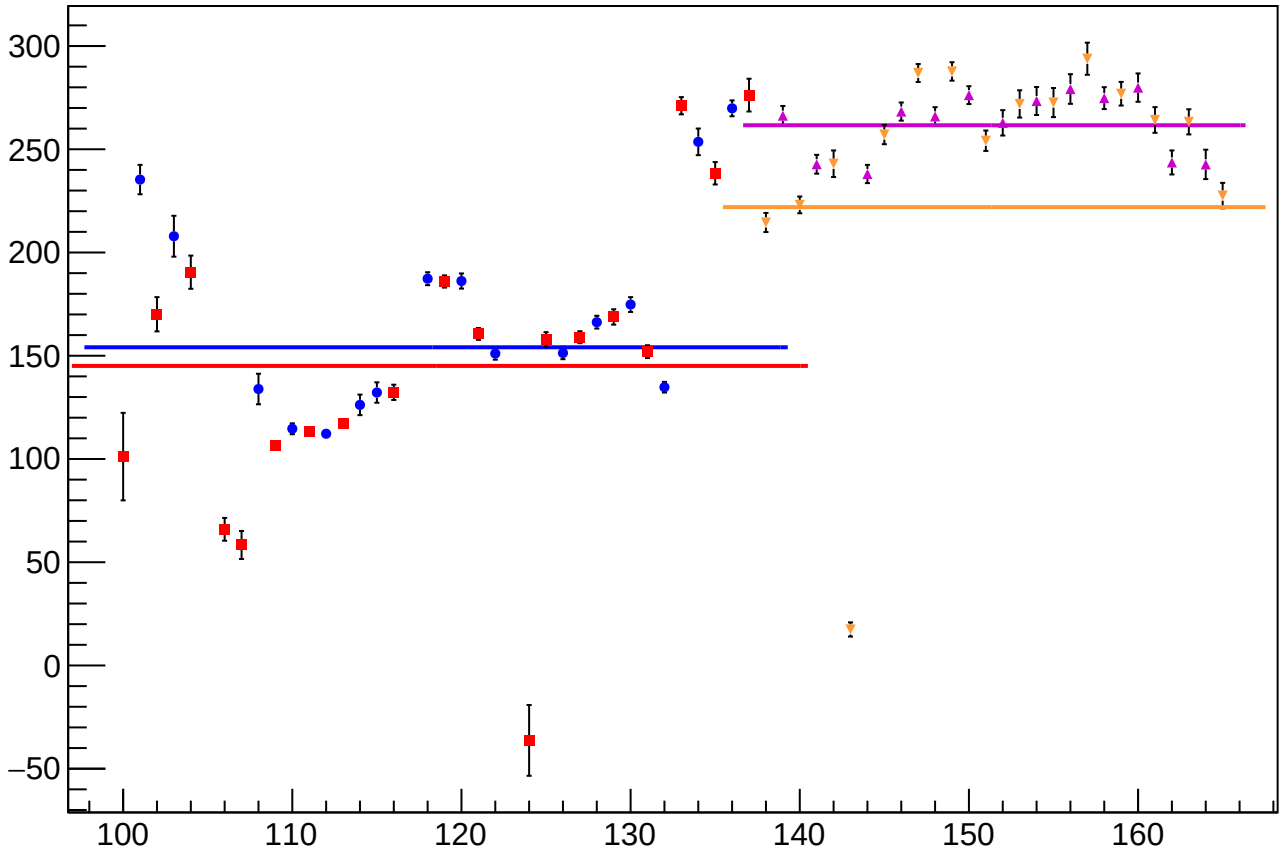
Left: -145.768+/-0.042 χ^2/NDF: 1073120.1/27

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -112.395+/-0.044 χ^2/NDF:2179973.0/28

Out: -99.874+/-0.042 χ^2/NDF:2680899.3/33

All: -105.800+/-0.031 χ^2/NDF: 4902601.2/62



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.973+/-1.320 χ^2/NDF:4454.9/14

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 261.631+/-1.453 χ^2/NDF:100.2/12

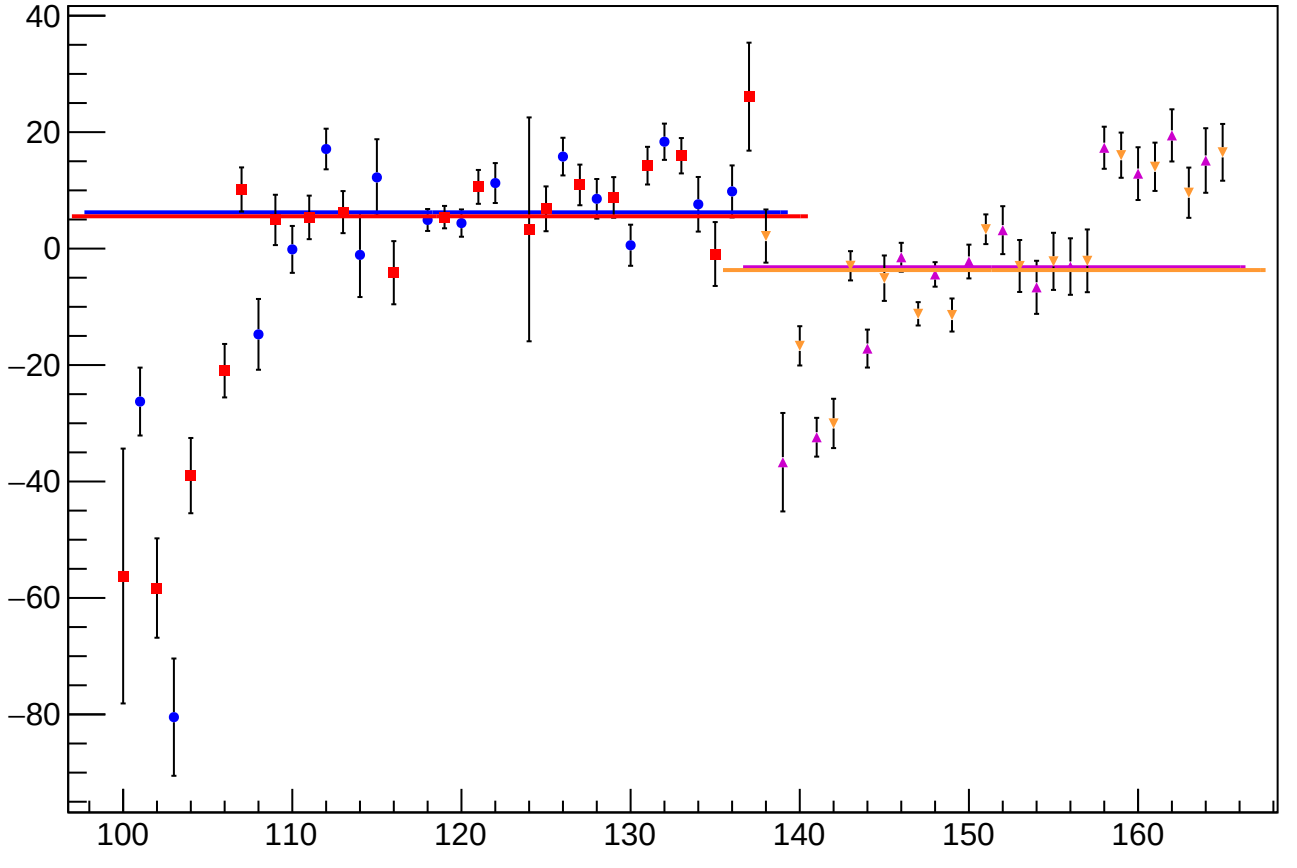
Left: 239.899+/-0.977 χ^2/NDF: 4963.3/27

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 182.431+/-0.746 χ^2/NDF:6415.1/28

Out: 166.728+/-0.700 χ^2/NDF:9852.5/33

All: 174.084+/-0.510 χ^2/NDF: 16503.2/62



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -3.688+/-0.881 χ^2/NDF:155.4/14

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -3.205+/-0.970 χ^2/NDF:196.1/12

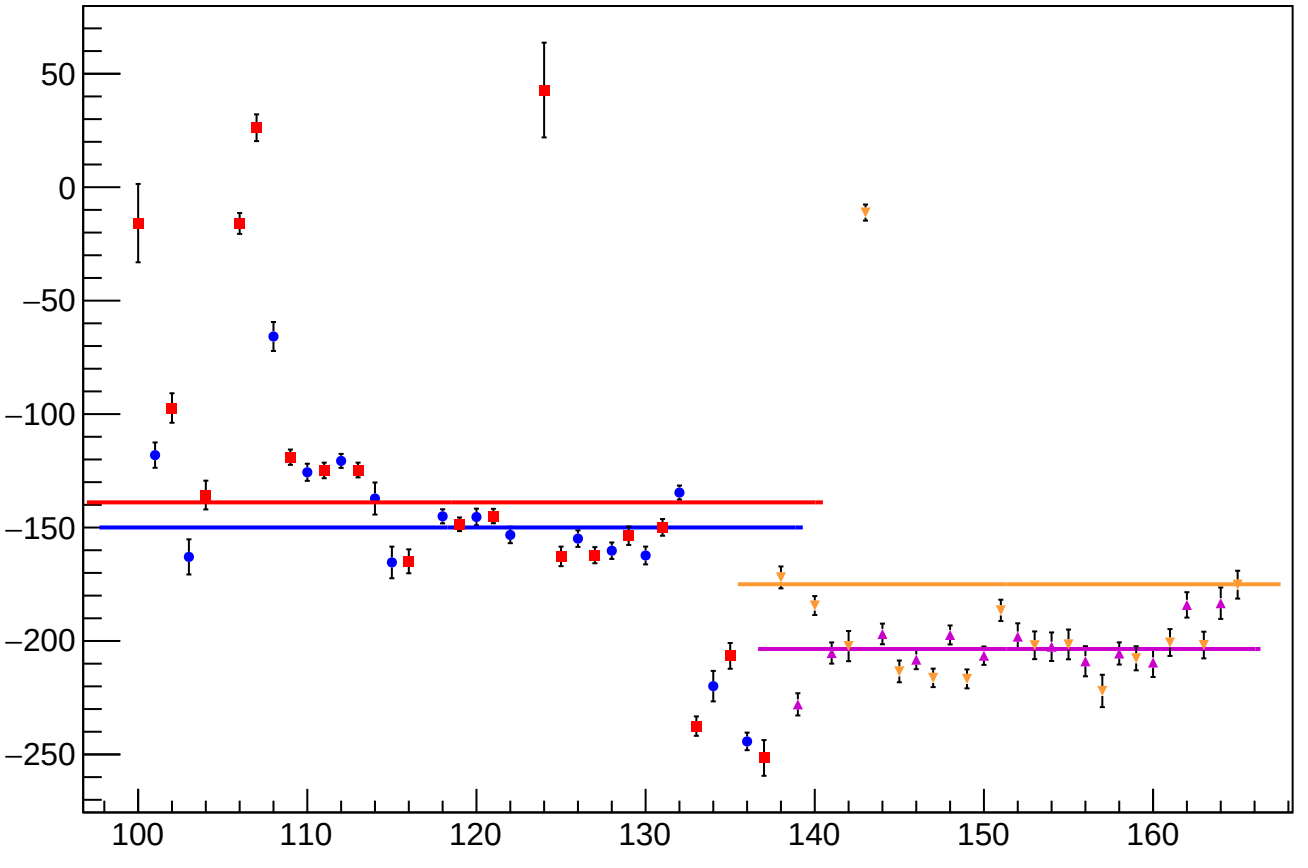
Left: -3.470+/-0.652 χ^2/NDF: 351.7/27

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 1.916+/-0.656 χ^2/NDF:409.6/28

Out: 0.886+/-0.626 χ^2/NDF:391.0/33

All: 1.377+/-0.453 χ^2/NDF: 801.8/62



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.999+/-1.292 χ^2/NDF:2589.3/14

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -203.520+/-1.404 χ^2/NDF:54.2/12

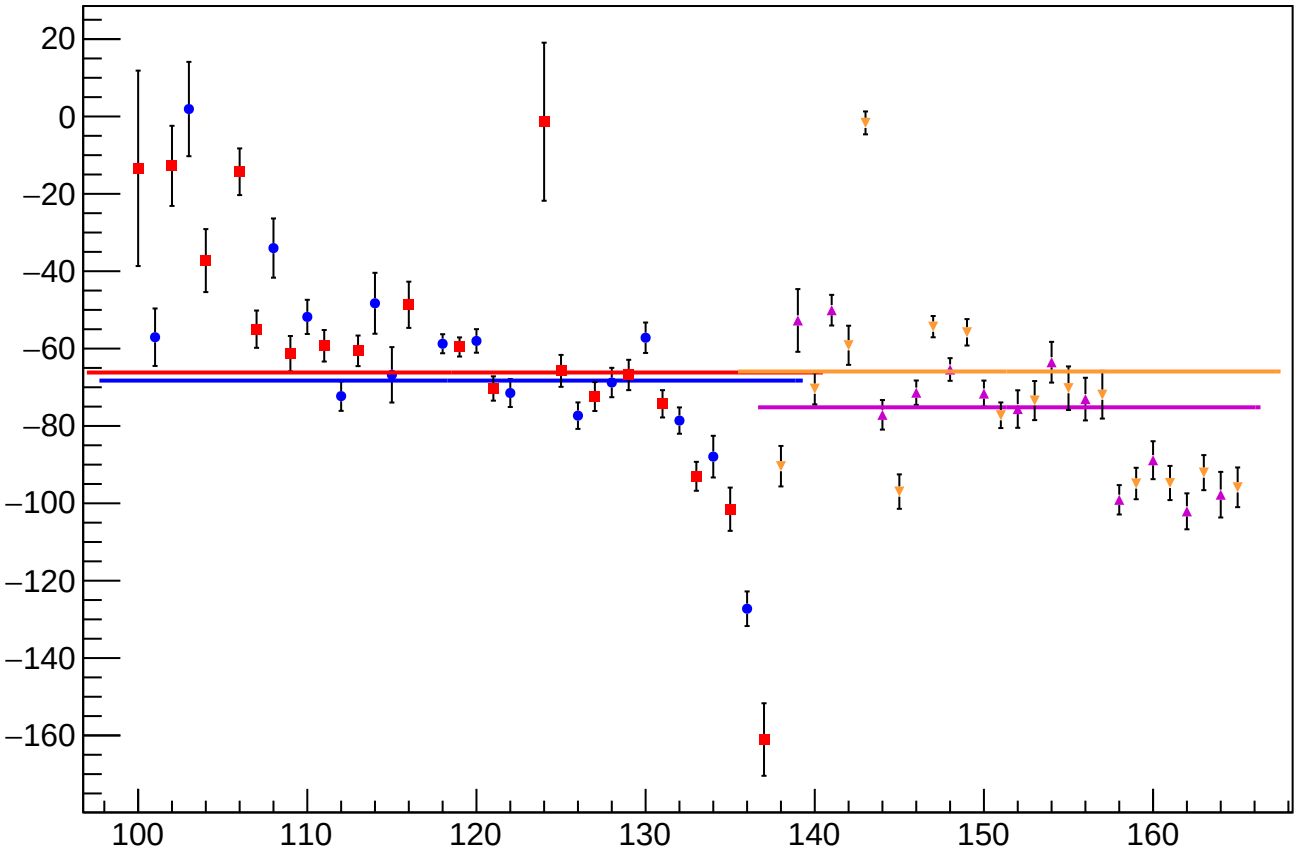
Left: -188.076+/-0.951 χ^2/NDF: 2866.9/27

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.595+/-0.828 χ^2/NDF:2101.8/28

Out: -152.317+/-0.788 χ^2/NDF:5830.4/33

All: -160.047+/-0.571 χ^2/NDF: 8135.1/62



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -65.920+/-1.051 χ^2/NDF:746.8/14

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.184+/-1.154 χ^2/NDF:162.3/12

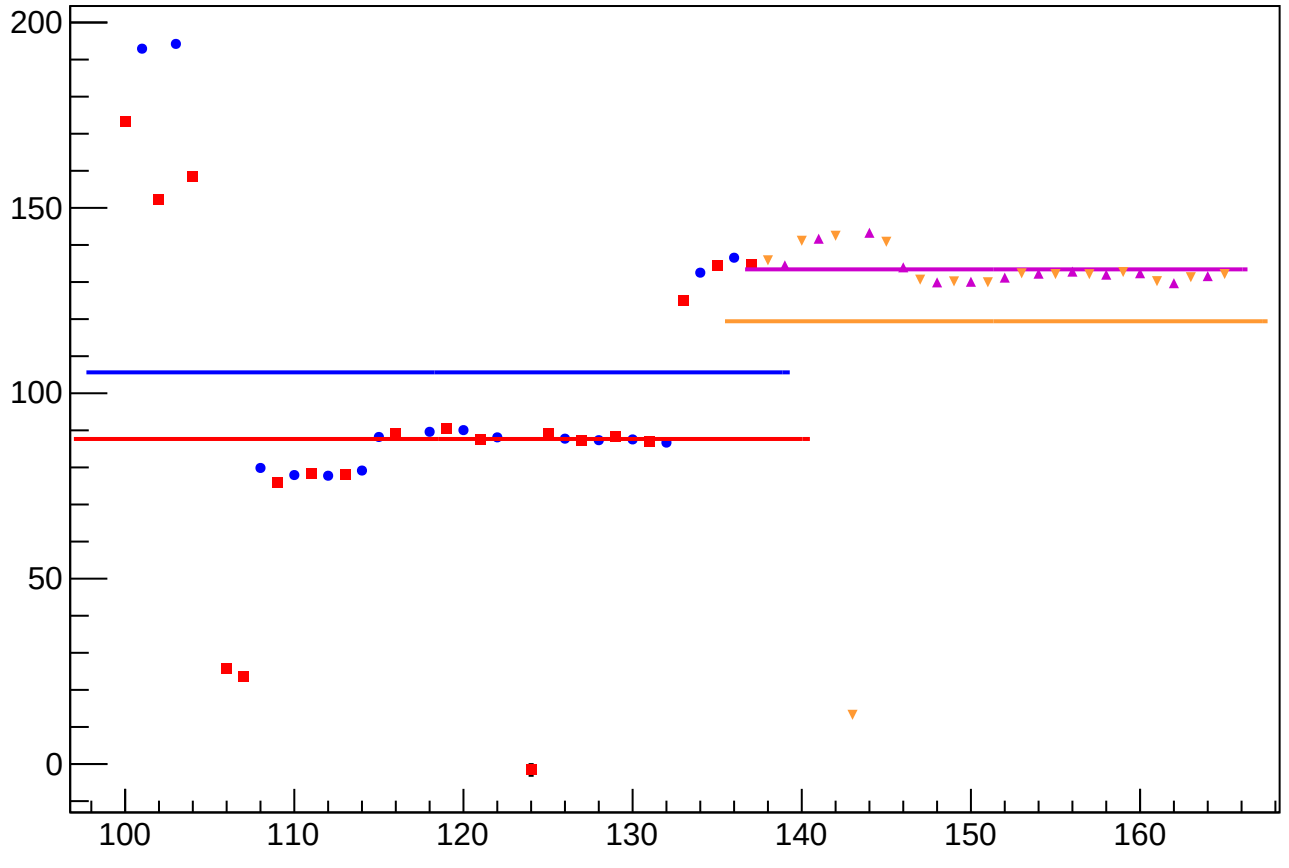
Left: -70.121+/-0.777 χ^2/NDF: 944.4/27

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -71.348+/-0.770 χ^2/NDF:497.6/28

Out: -66.056+/-0.733 χ^2/NDF:1105.2/33

All: -68.574+/-0.531 χ^2/NDF: 1627.6/62



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 119.421+/-0.051 χ^2/NDF:596700.3/14

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.418+/-0.054 χ^2/NDF:5723.8/12

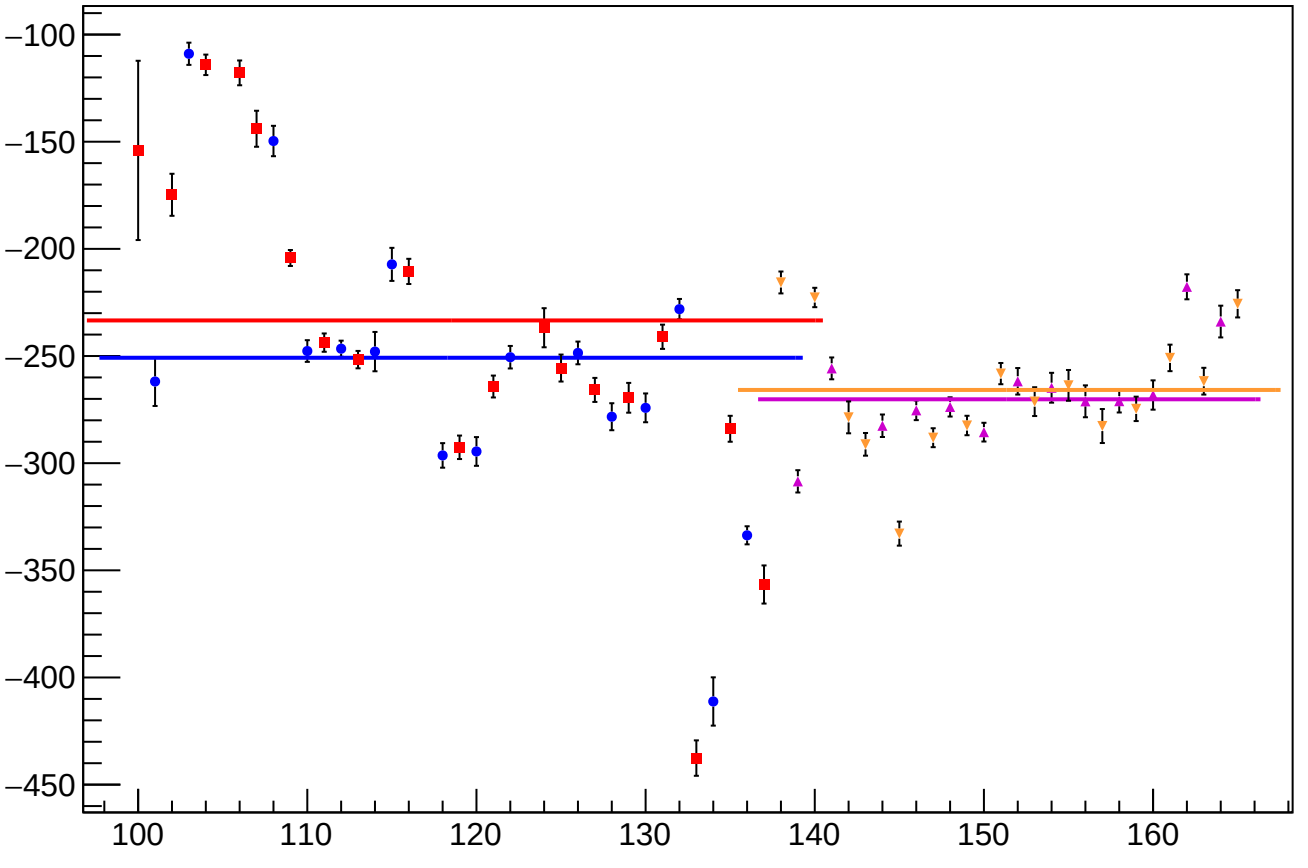
Left: 125.980+/-0.037 χ^2/NDF: 638317.3/27

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.242+/-0.043 χ^2/NDF:342793.0/28

Out: 107.593+/-0.040 χ^2/NDF:1117995.0/33

All: 114.887+/-0.029 χ^2/NDF: 1531925.7/62



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -265.830+/-1.446 χ^2/NDF:450.9/14

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -270.194+/-1.524 χ^2/NDF:189.4/12

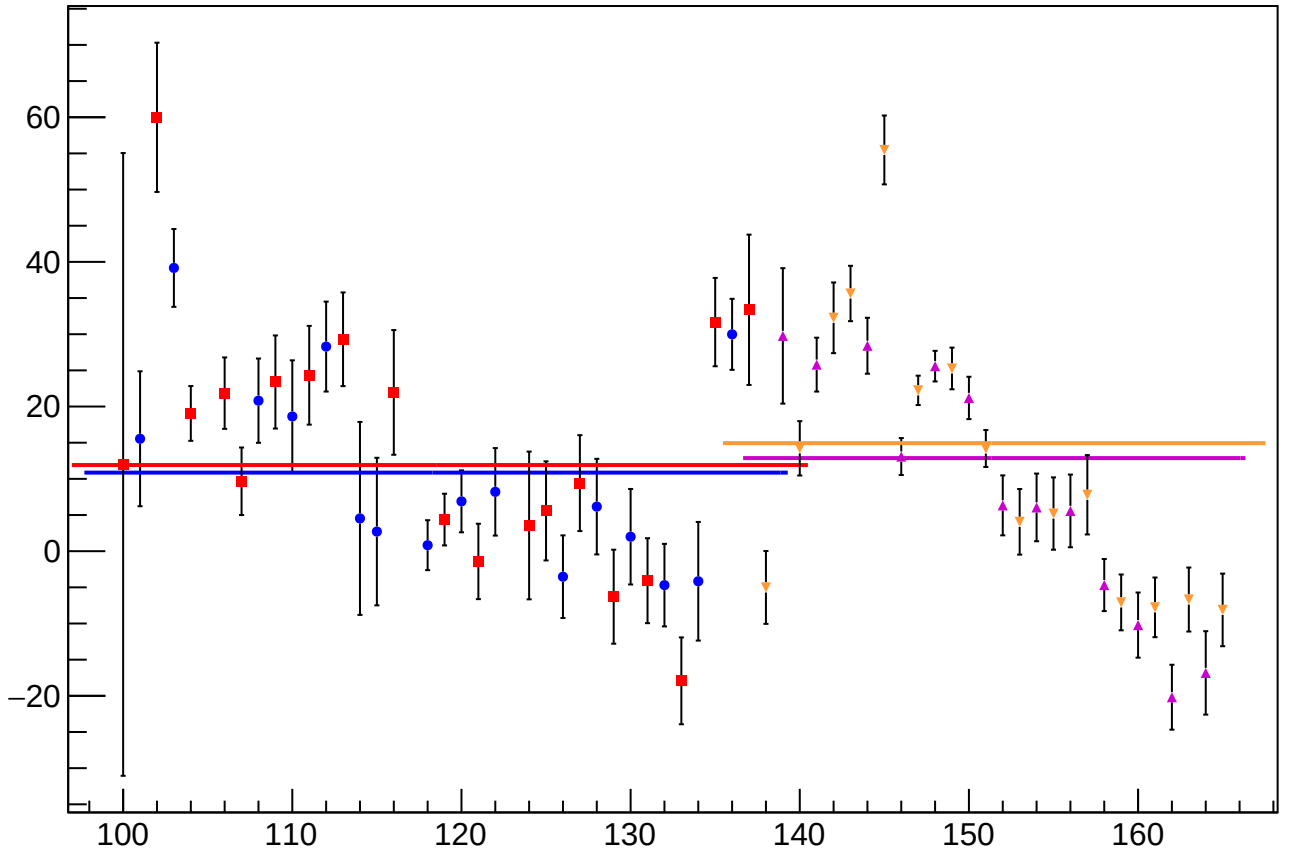
Left: -267.898+/-1.049 χ^2/NDF: 644.6/27

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -259.944+/-1.046 χ^2/NDF:2010.6/28

Out: -248.298+/-0.980 χ^2/NDF:3101.3/33

All: -253.744+/-0.715 χ^2/NDF: 5178.0/62



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 14.939+/-0.945 χ^2/NDF:275.0/14

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 12.871+/-1.003 χ^2/NDF:213.2/12

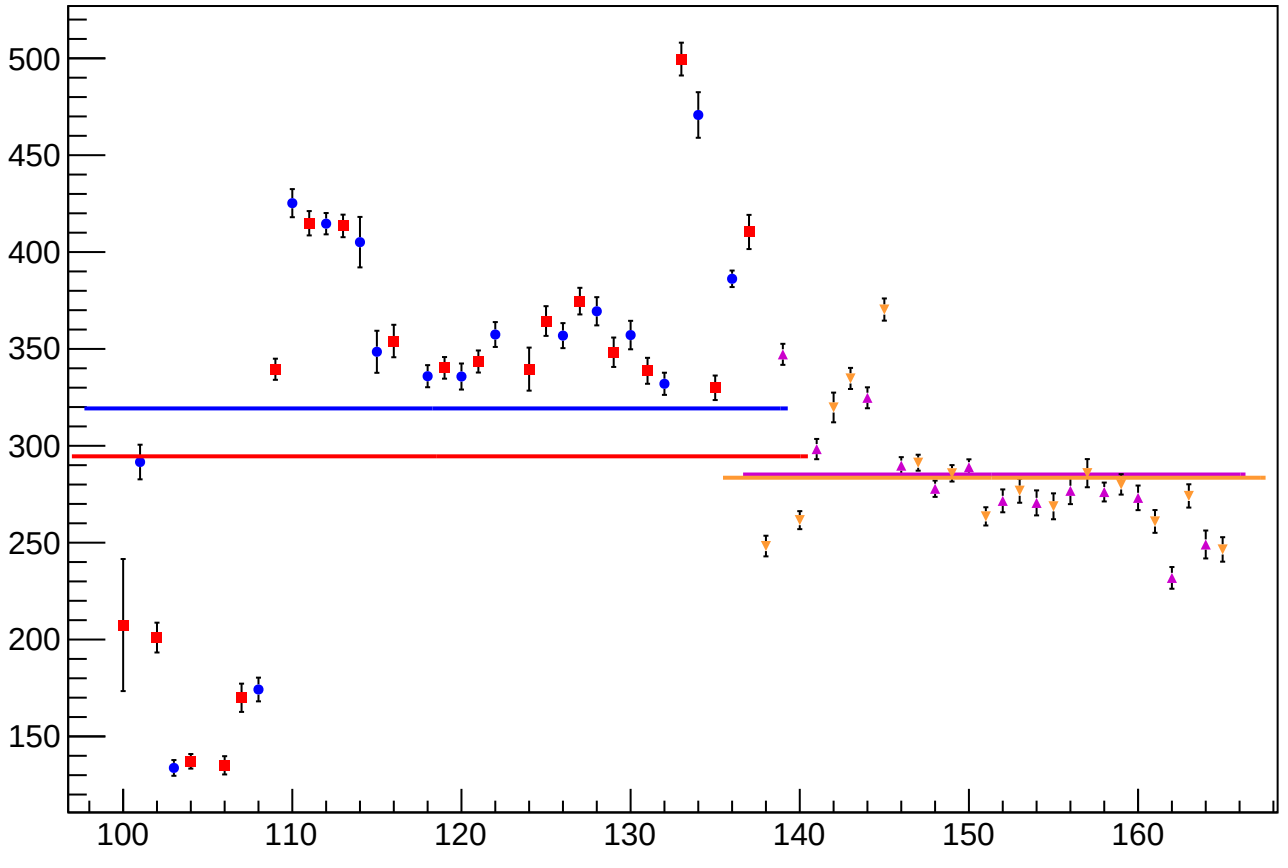
Left: 13.967+/-0.688 χ^2/NDF: 490.4/27

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 12.234+/-0.829 χ^2/NDF:299.1/28

Out: 13.960+/-0.778 χ^2/NDF:390.2/33

All: 13.152+/-0.567 χ^2/NDF: 691.6/62



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 283.523+/-1.404 χ^2/NDF:486.6/14

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 285.182+/-1.466 χ^2/NDF:330.3/12

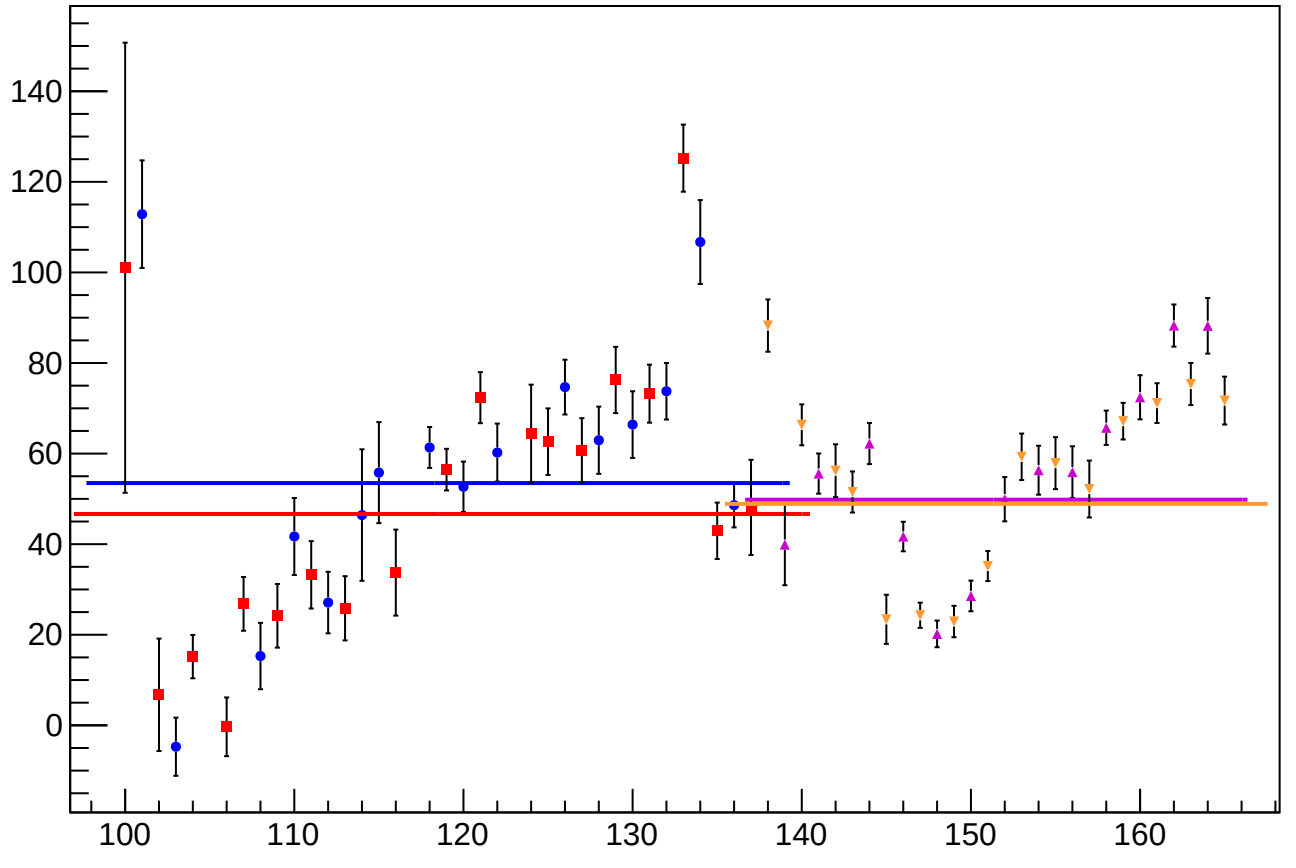
Left: 284.317+/-1.014 χ^2/NDF: 817.5/27

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 300.900+/-1.077 χ^2/NDF:4372.7/28

Out: 288.749+/-1.019 χ^2/NDF:6019.0/33

All: 294.491+/-0.740 χ^2/NDF: 10458.9/62



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 48.898+/-1.130 χ^2/NDF:340.5/14

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 49.820+/-1.195 χ^2/NDF:306.3/12

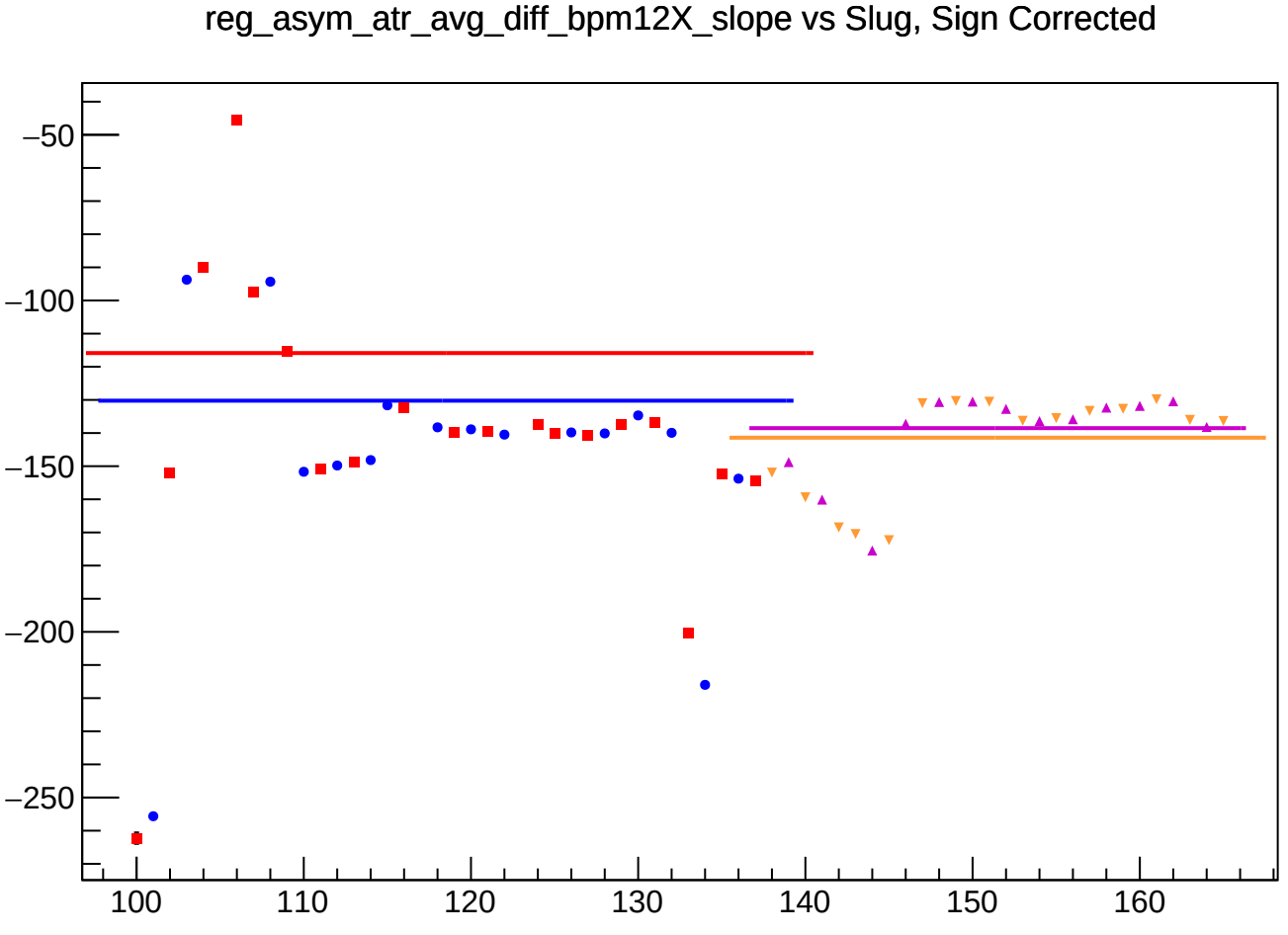
Left: 49.333+/-0.821 χ^2/NDF: 647.1/27

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 51.036+/-0.978 χ^2/NDF:526.7/28

Out: 48.151+/-0.922 χ^2/NDF:667.4/33

All: 49.509+/-0.671 χ^2/NDF: 1198.7/62



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -141.408+/-0.055 χ^2/NDF:71797.5/14

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -138.521+/-0.056 χ^2/NDF:45493.7/12

Left: -140.003+/-0.039 χ^2/NDF: 118655.3/27

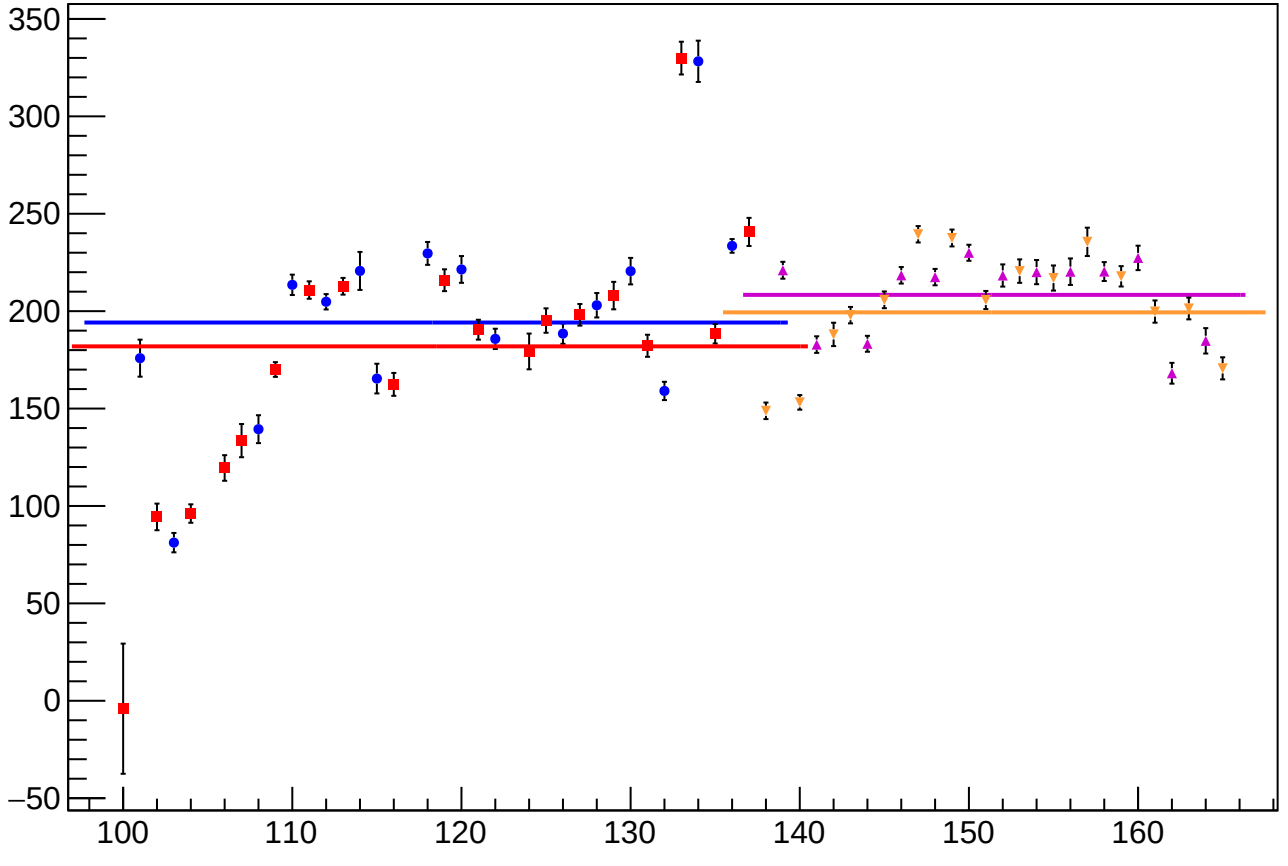
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.249+/-0.048 χ^2/NDF:225706.3/28

Out: -134.050+/-0.046 χ^2/NDF:340913.0/33

All: -135.110+/-0.033 χ^2/NDF: 567719.7/62

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: 199.385+/-1.268 χ^2/NDF:553.3/14

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 208.366+/-1.355 χ^2/NDF:214.9/12

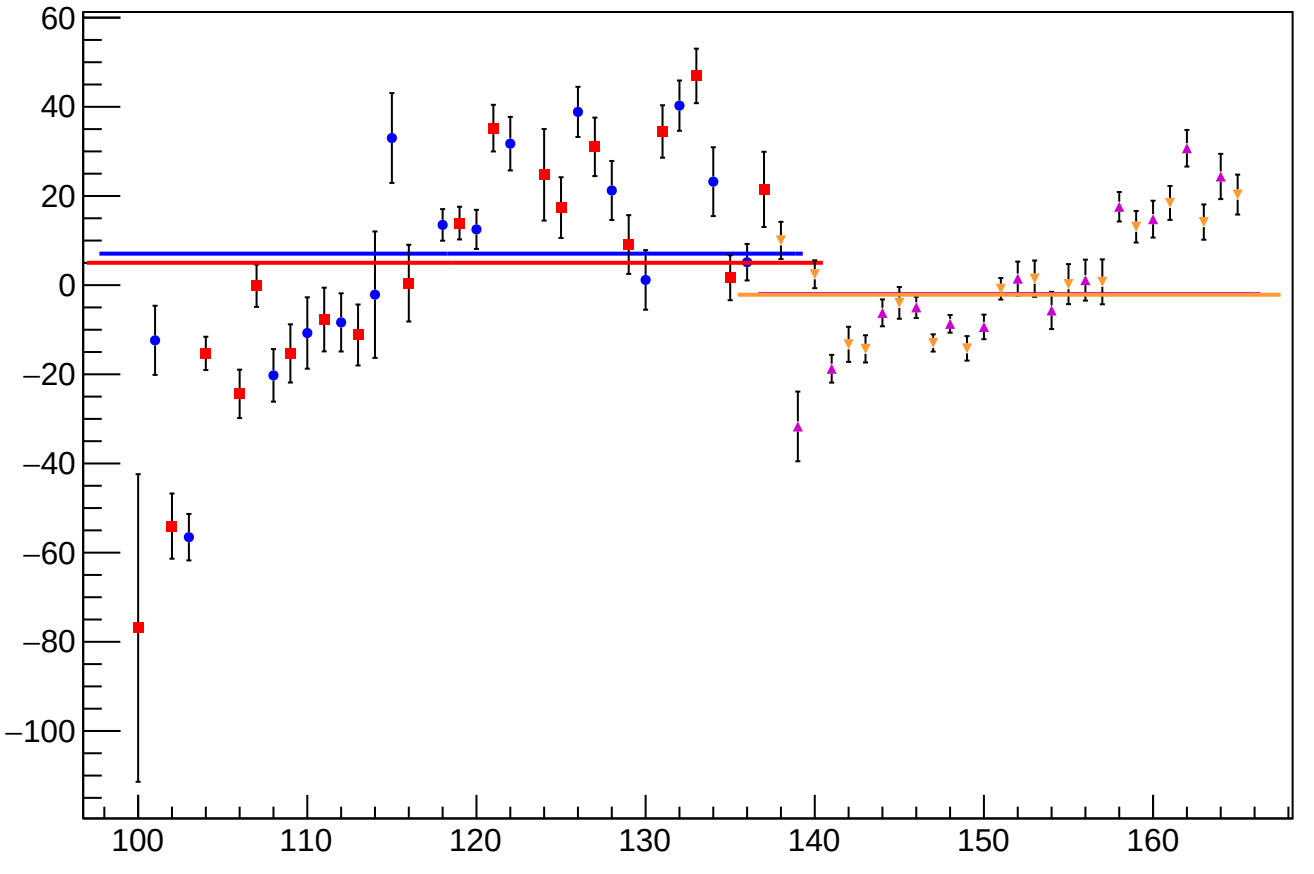
Left: 203.576+/-0.926 χ^2/NDF: 791.6/27

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 201.528+/-0.976 χ^2/NDF:1302.9/28

Out: 191.019+/-0.915 χ^2/NDF:1848.9/33

All: 195.935+/-0.668 χ^2/NDF: 3213.6/62



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -2.146+/-0.847 χ^2/NDF:176.9/14

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -1.970+/-0.908 χ^2/NDF:209.5/12

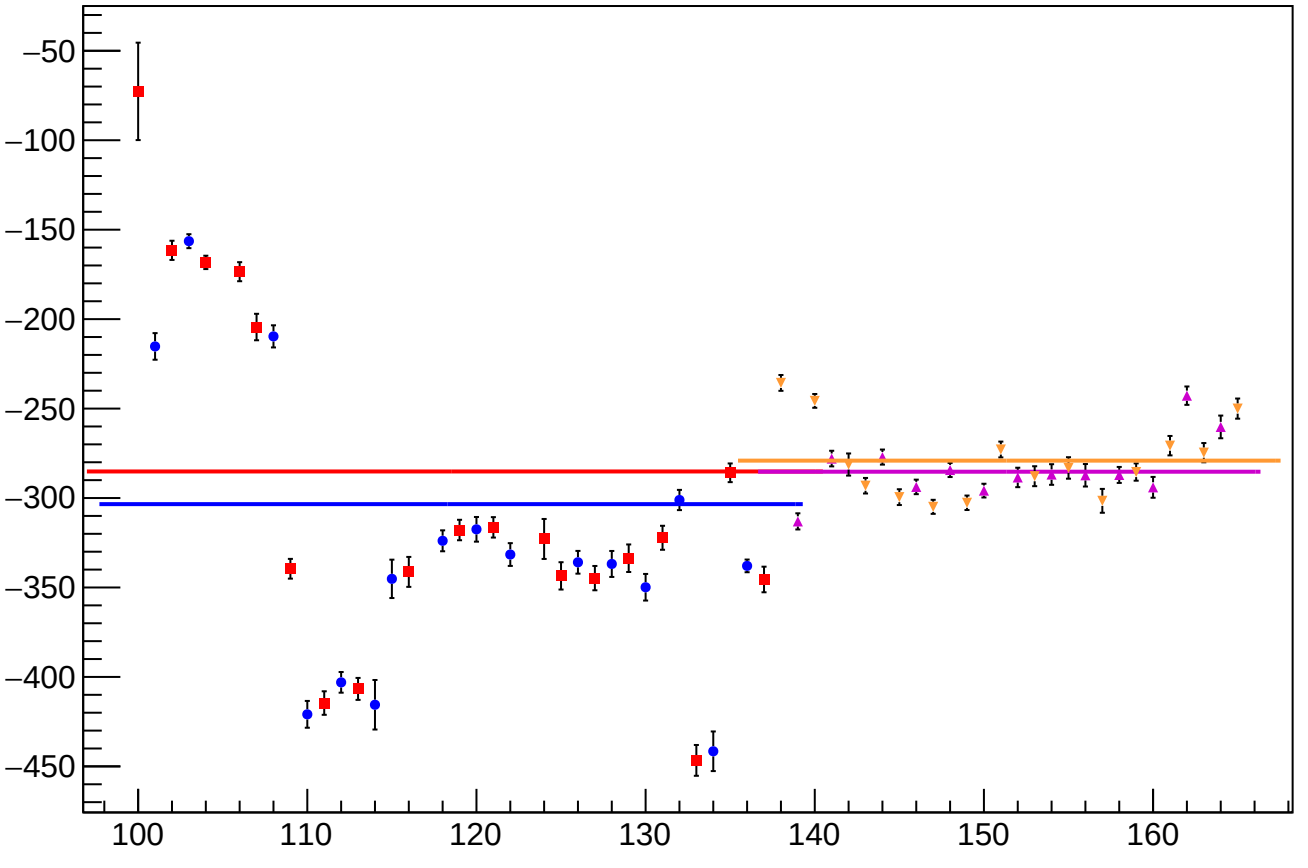
Left: -2.064+/-0.619 χ^2/NDF: 386.4/27

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 0.593+/-0.768 χ^2/NDF:530.2/28

Out: -0.134+/-0.718 χ^2/NDF:485.5/33

All: 0.205+/-0.525 χ^2/NDF: 1016.1/62



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -279.092+/-1.239 χ^2/NDF:328.4/14

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -285.289+/-1.310 χ^2/NDF:143.5/12

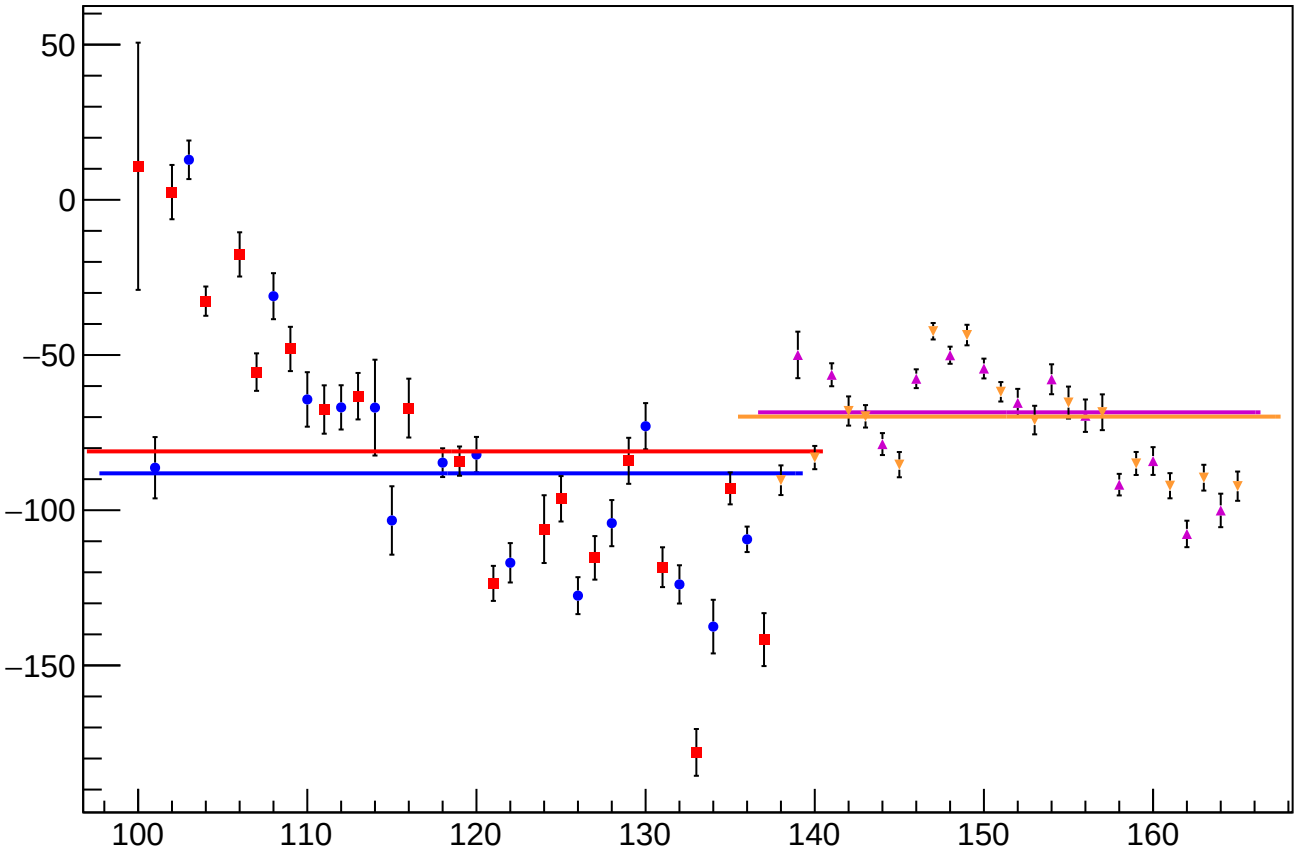
Left: -282.017+/-0.900 χ^2/NDF: 483.7/27

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -292.955+/-0.995 χ^2/NDF:3009.9/28

Out: -281.646+/-0.942 χ^2/NDF:4093.3/33

All: -286.991+/-0.684 χ^2/NDF: 7171.3/62



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -69.844+/-1.008 χ^2/NDF:315.1/14

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -68.466+/-1.078 χ^2/NDF:283.3/12

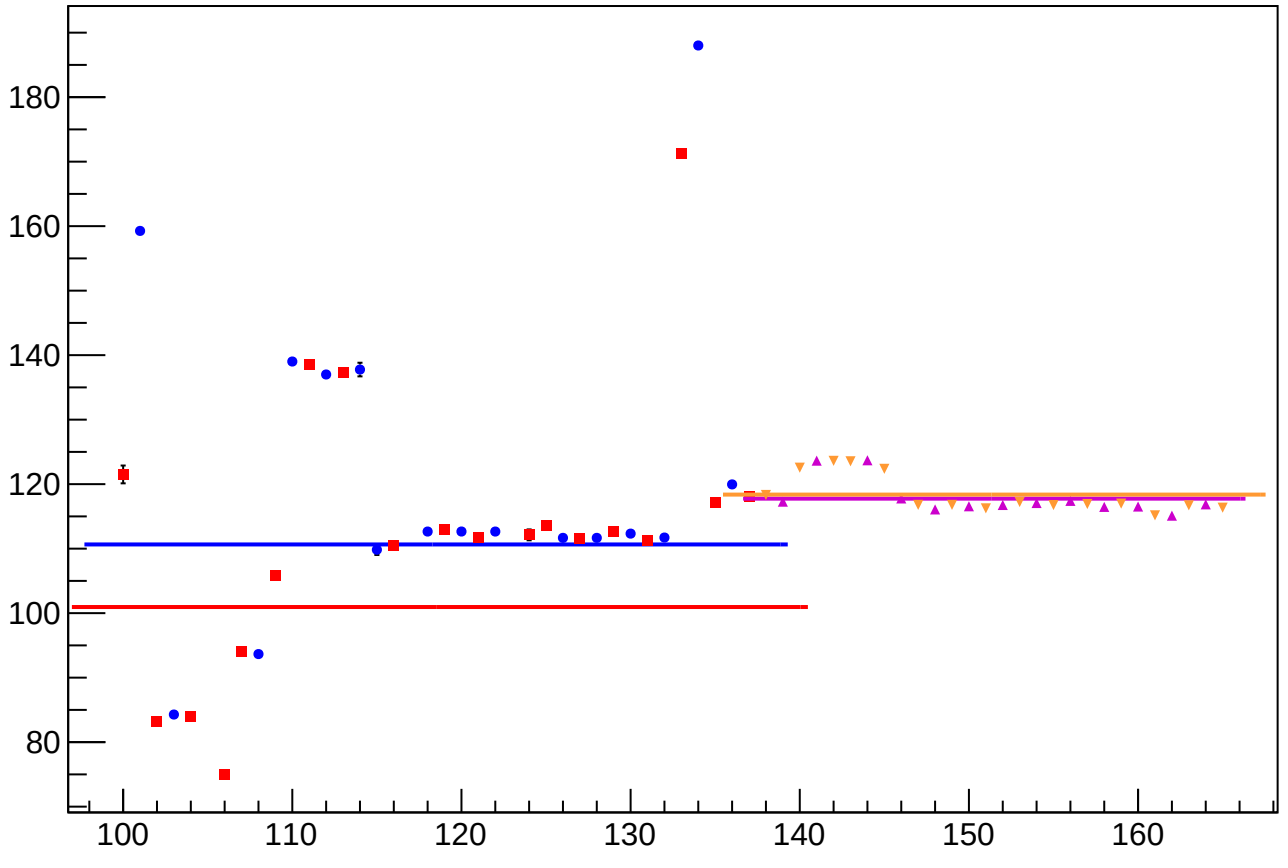
Left: -69.201+/-0.736 χ^2/NDF: 599.3/27

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -74.320+/-0.903 χ^2/NDF:894.2/28

Out: -73.119+/-0.848 χ^2/NDF:1028.7/33

All: -73.681+/-0.618 χ^2/NDF: 1923.9/62



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.381+/-0.048 χ^2/NDF:3344.1/14

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.752+/-0.050 χ^2/NDF:2609.6/12

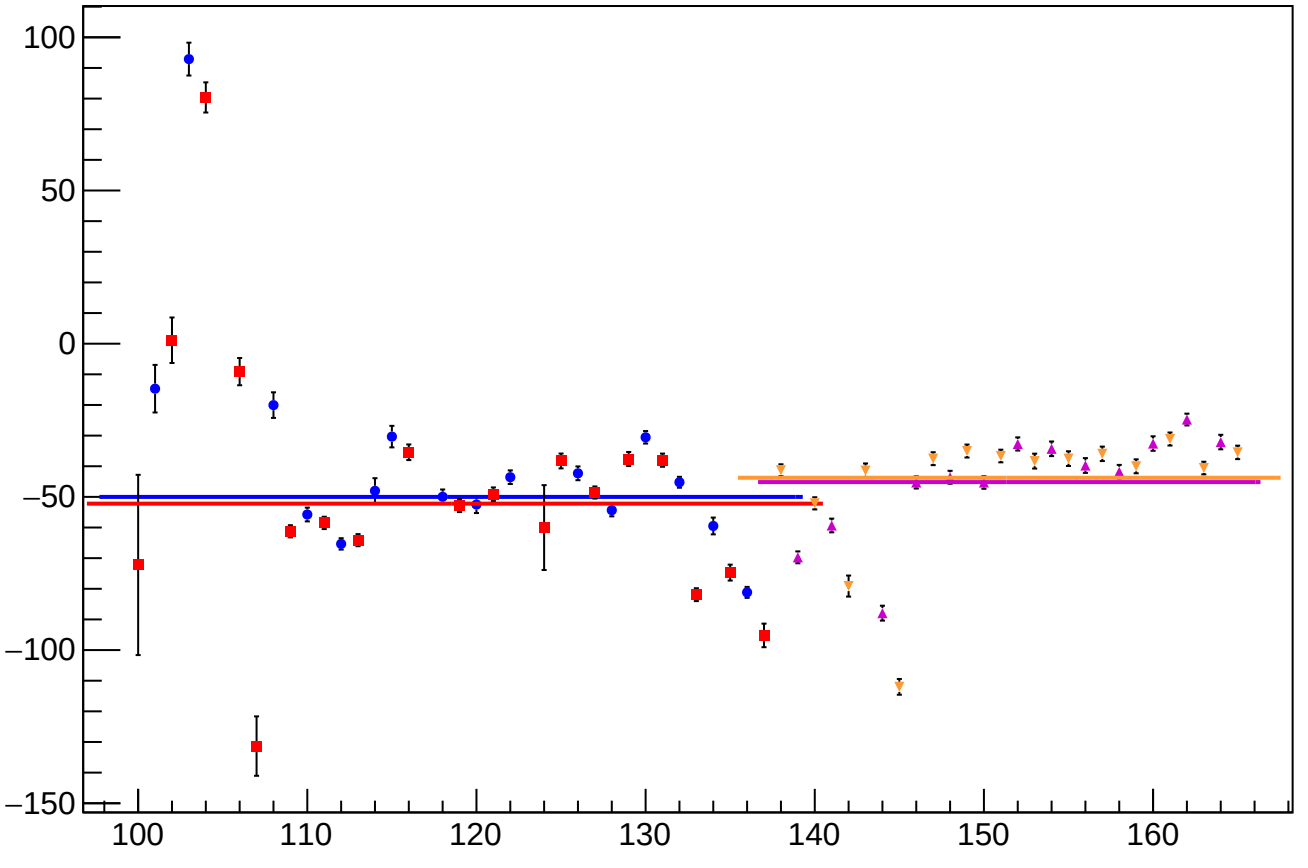
Left: 118.078+/-0.035 χ^2/NDF: 6035.4/27

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.944+/-0.043 χ^2/NDF:91234.1/28

Out: 113.816+/-0.041 χ^2/NDF:99554.9/33

All: 114.833+/-0.030 χ^2/NDF: 192049.5/62



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -43.752+/-0.578 χ^2/NDF:944.3/14

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -45.172+/-0.605 χ^2/NDF:743.0/12

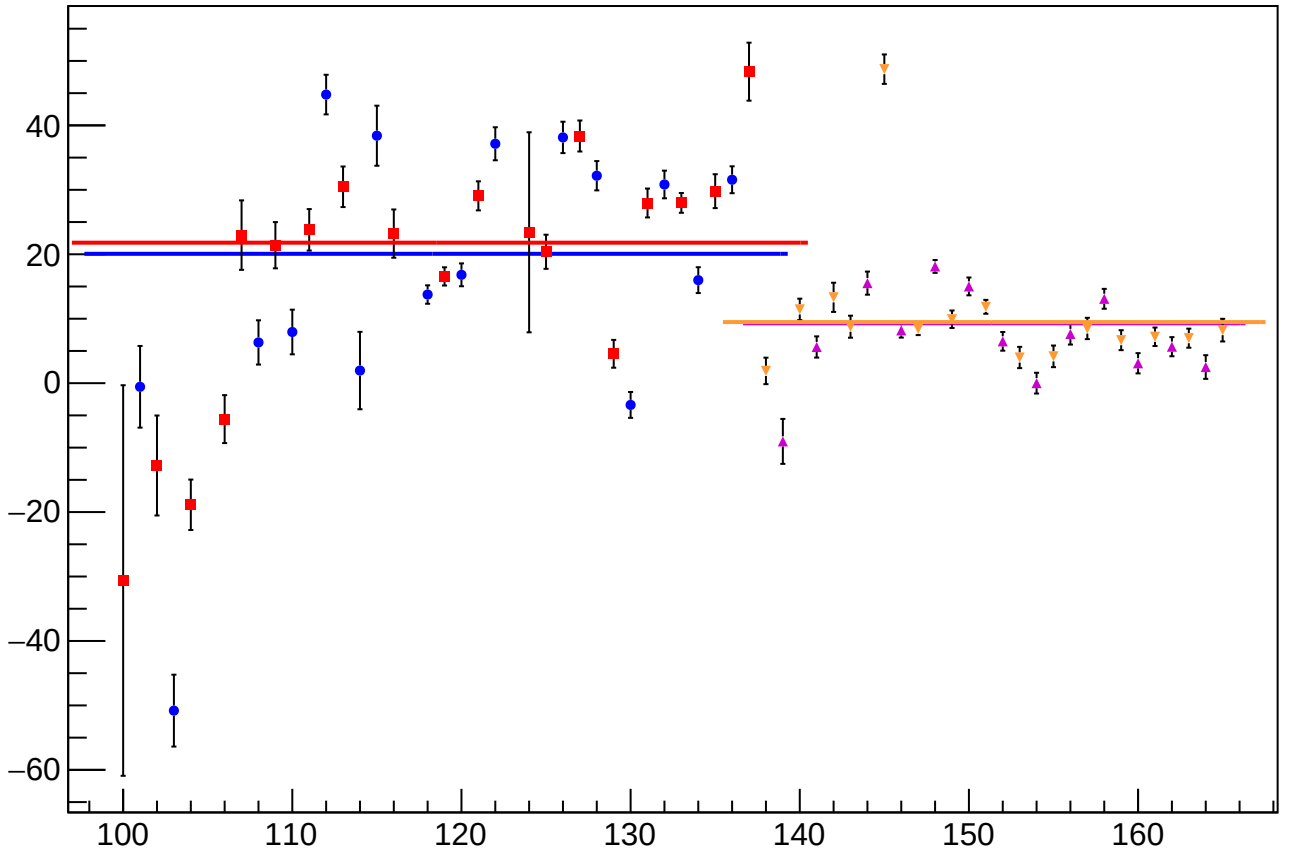
Left: -44.430+/-0.418 χ^2/NDF: 1690.2/27

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -47.569+/-0.429 χ^2/NDF:2102.1/28

Out: -47.789+/-0.418 χ^2/NDF:2616.7/33

All: -47.682+/-0.300 χ^2/NDF: 4718.9/62



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.480+/-0.390 χ^2/NDF:349.7/14

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.282+/-0.412 χ^2/NDF:220.3/12

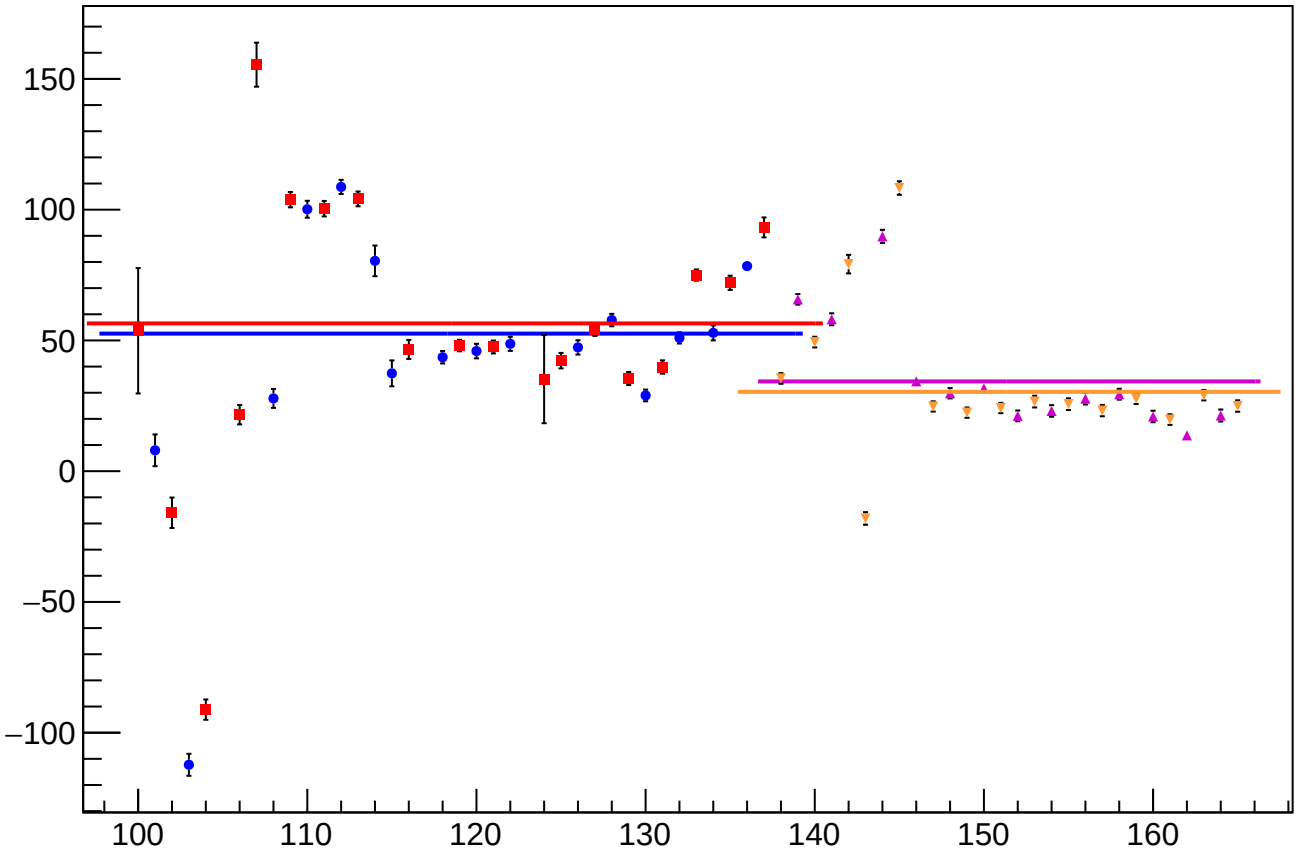
Left: 9.386+/-0.283 χ^2/NDF: 570.0/27

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.644+/-0.342 χ^2/NDF:1070.5/28

Out: 12.959+/-0.331 χ^2/NDF:1027.5/33

All: 12.807+/-0.238 χ^2/NDF: 2098.5/62



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.351+/-0.560 χ^2/NDF:1675.1/14

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 34.319+/-0.581 χ^2/NDF:1120.7/12

Left: 32.260+/-0.403 χ^2/NDF: 2820.0/27

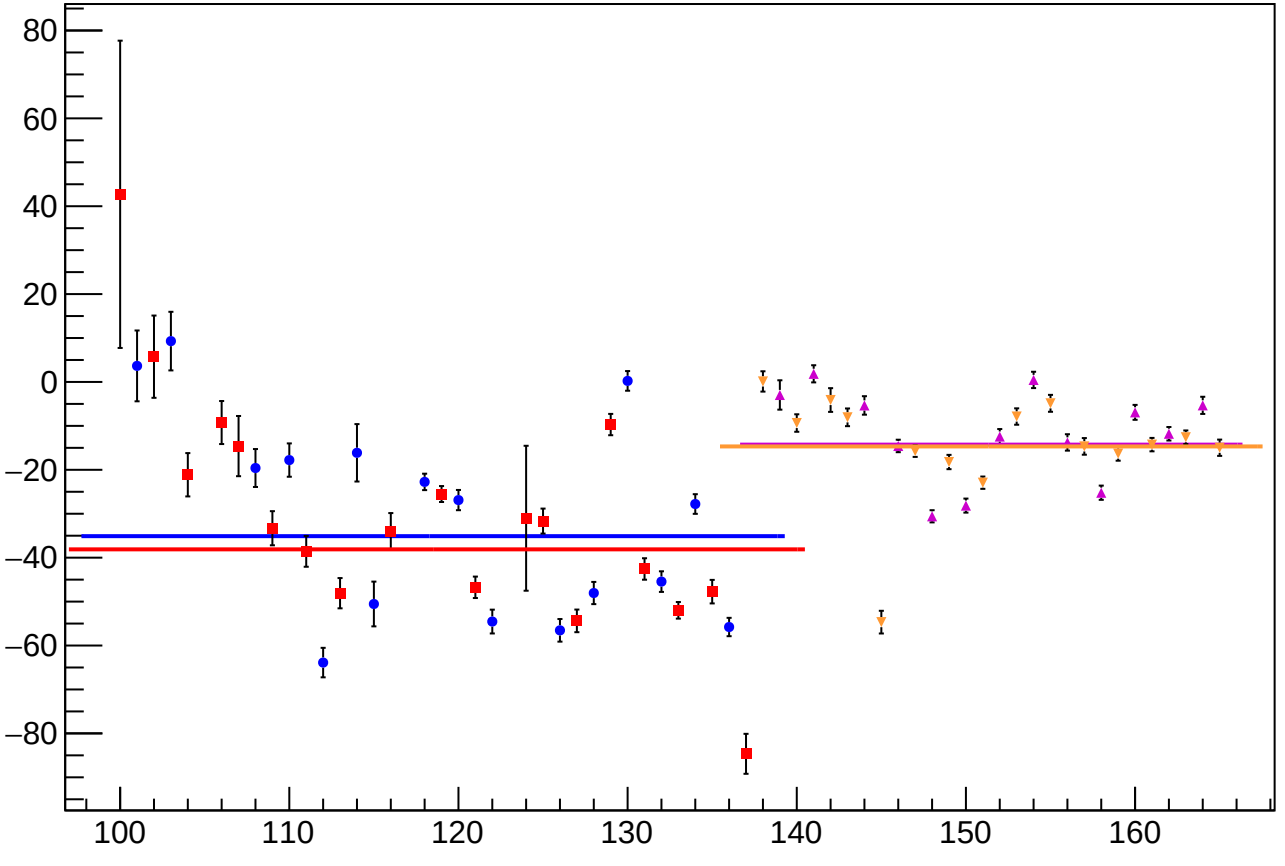
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 41.832+/-0.446 χ^2/NDF:4186.4/28

Out: 40.458+/-0.439 χ^2/NDF:5483.4/33

All: 41.133+/-0.313 χ^2/NDF: 9674.7/62

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: -14.681+/-0.457 χ^2/NDF:396.3/14

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.270+/-0.481 χ^2/NDF:463.4/12

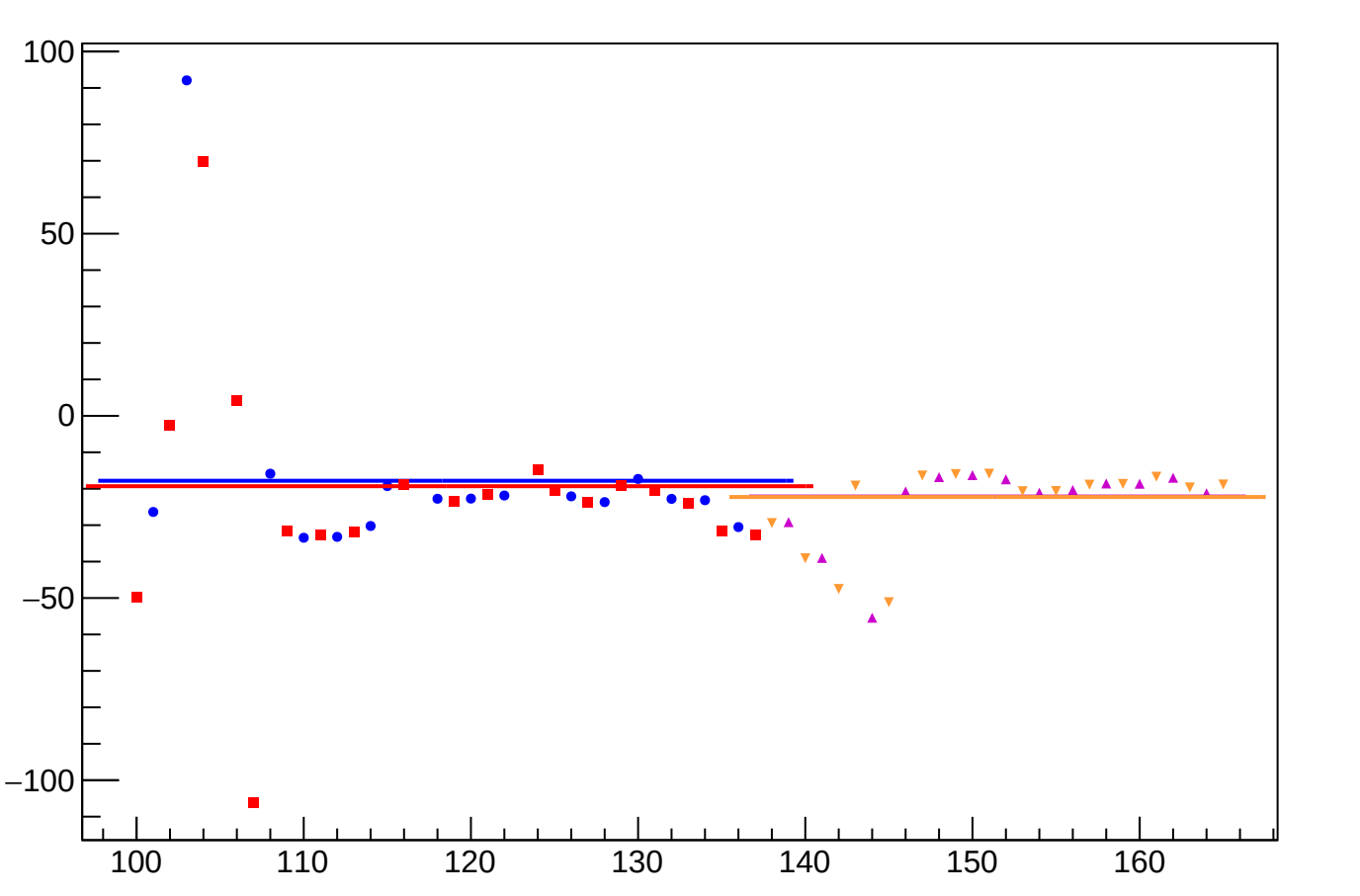
Left: -14.486+/-0.332 χ^2/NDF: 860.0/27

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.958+/-0.397 χ^2/NDF:1837.8/28

Out: -21.502+/-0.385 χ^2/NDF:1674.4/33

All: -21.238+/-0.276 χ^2/NDF: 3513.2/62



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.269+/-0.021 χ^2/NDF:185256.9/14

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -22.139+/-0.022 χ^2/NDF:155082.4/12

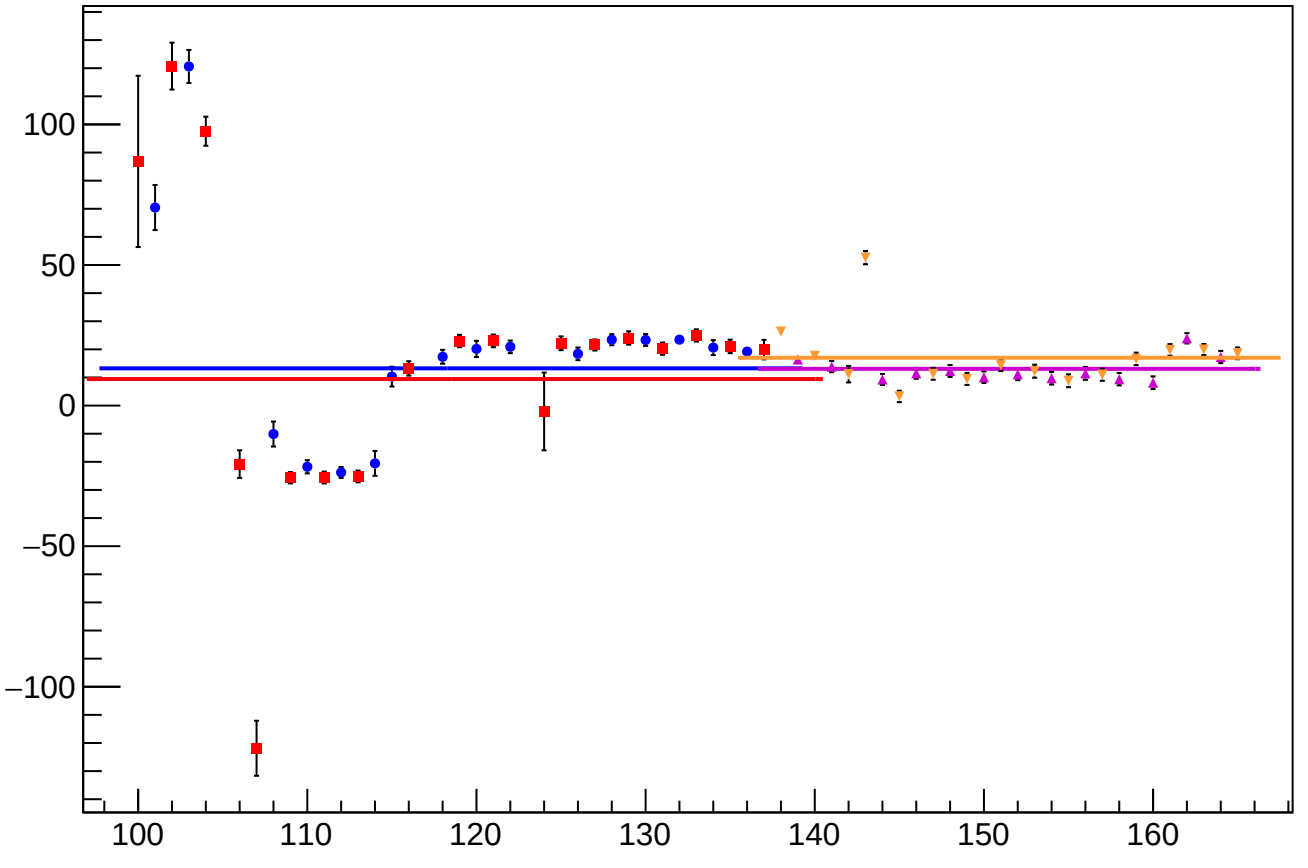
Left: -22.206+/-0.015 χ^2/NDF: 340357.8/27

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.267+/-0.019 χ^2/NDF:589164.7/28

Out: -21.755+/-0.019 χ^2/NDF:533288.4/33

All: -21.513+/-0.014 χ^2/NDF: 1122772.6/62



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.011+/-0.545 χ^2/NDF:355.2/14

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 13.068+/-0.569 χ^2/NDF:60.1/12

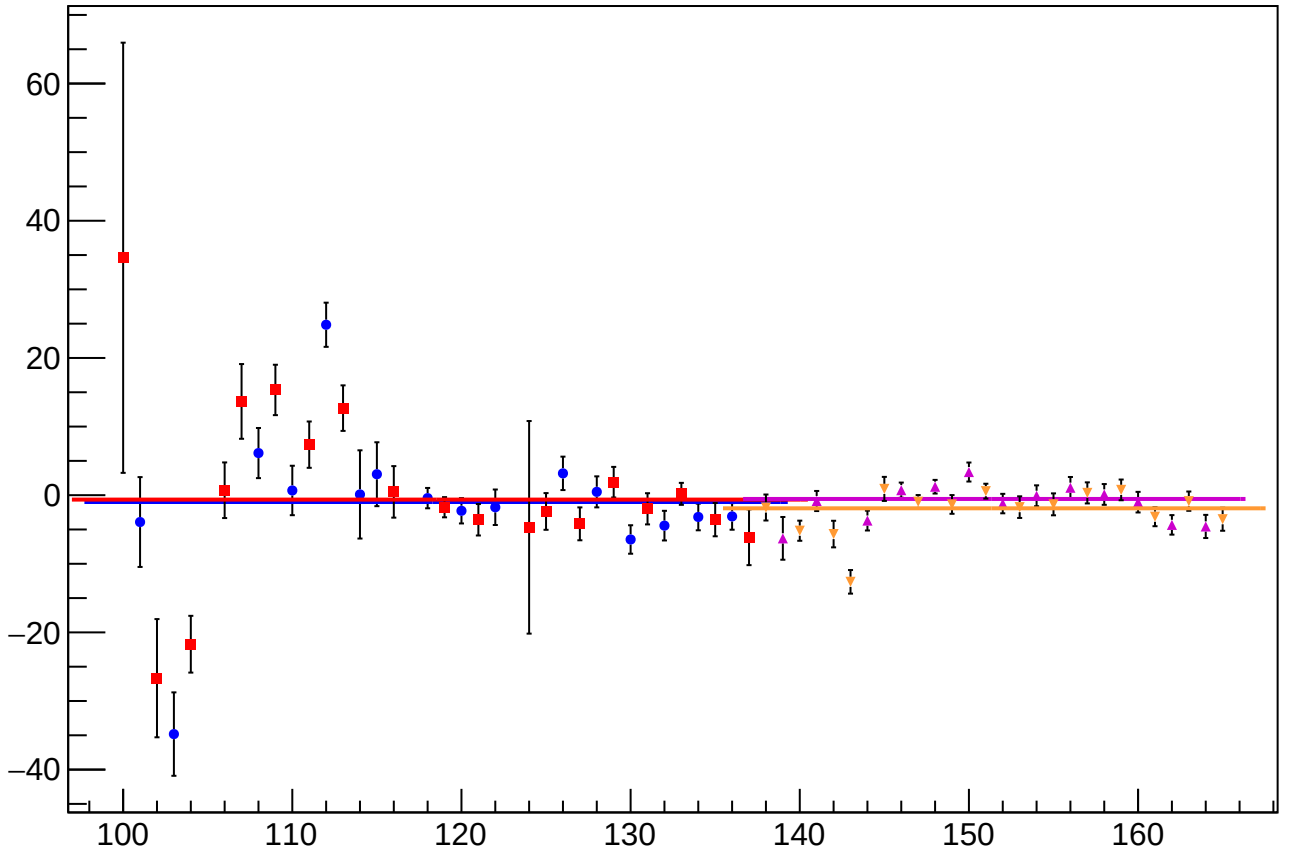
Left: 15.123+/-0.394 χ^2/NDF: 440.3/27

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.152+/-0.417 χ^2/NDF:1242.6/28

Out: 13.685+/-0.408 χ^2/NDF:2276.5/33

All: 13.425+/-0.292 χ^2/NDF: 3519.9/62



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.916+/-0.374 χ^2/NDF:64.3/14

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.551+/-0.393 χ^2/NDF:35.2/12

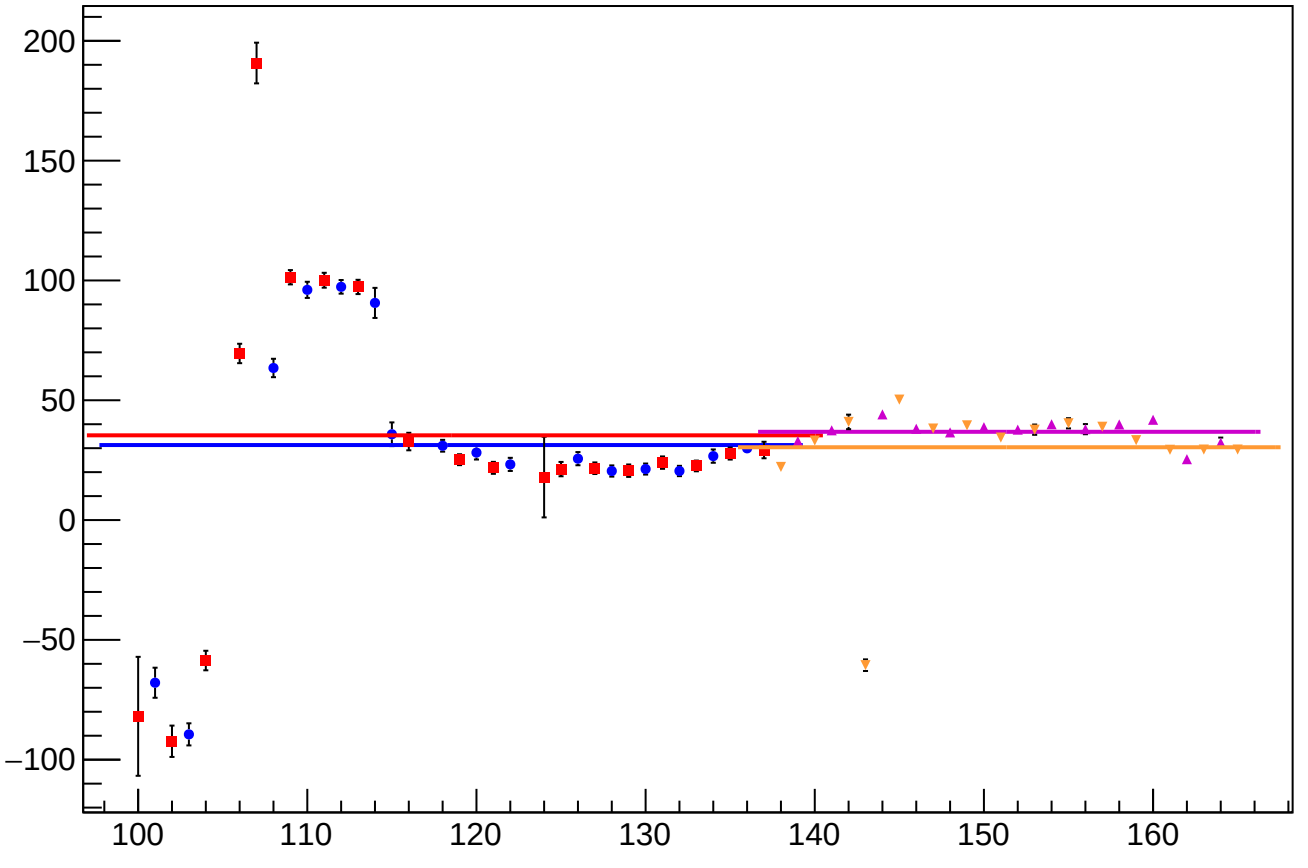
Left: -1.268+/-0.271 χ^2/NDF: 105.8/27

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.679+/-0.332 χ^2/NDF:151.9/28

Out: -1.589+/-0.322 χ^2/NDF:161.5/33

All: -1.147+/-0.231 χ^2/NDF: 317.2/62



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.388+/-0.530 χ^2/NDF:1625.8/14

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 36.836+/-0.549 χ^2/NDF:76.1/12

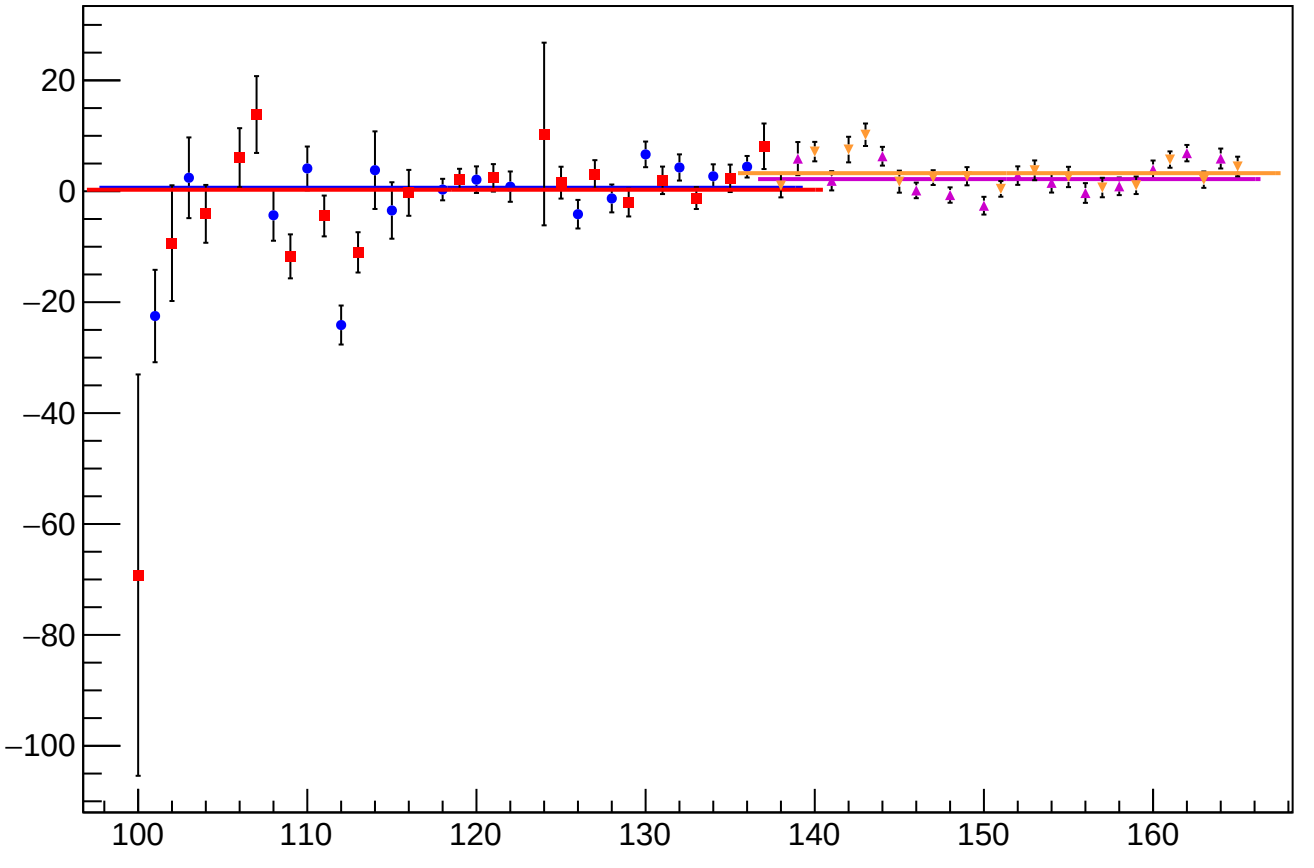
Left: 33.496+/-0.381 χ^2/NDF: 1773.4/27

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.731+/-0.432 χ^2/NDF:2200.6/28

Out: 32.145+/-0.426 χ^2/NDF:4554.7/33

All: 33.420+/-0.303 χ^2/NDF: 6773.4/62



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.265+/-0.437 χ^2/NDF:34.4/14

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.194+/-0.459 χ^2/NDF:41.3/12

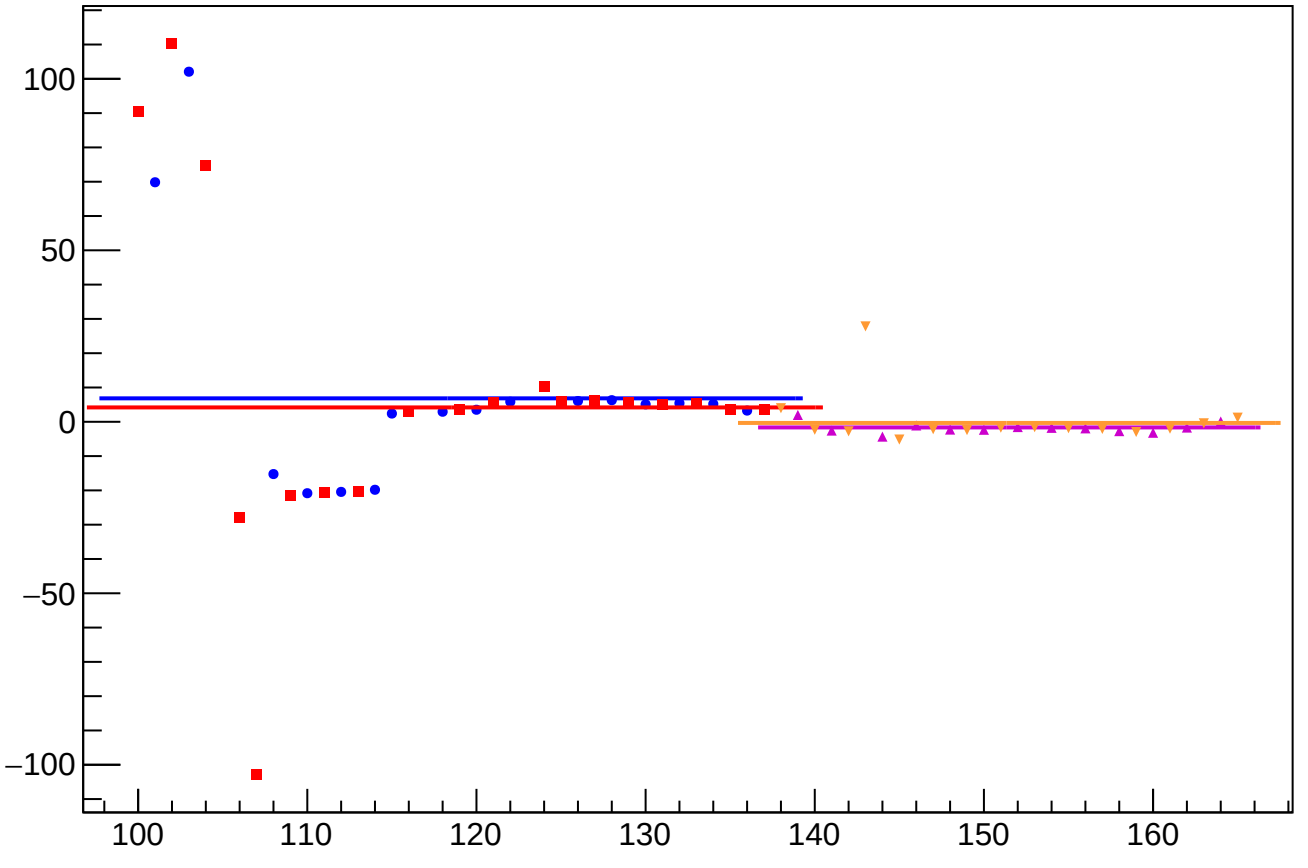
Left: 2.755+/-0.316 χ^2/NDF: 78.5/27

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.729+/-0.384 χ^2/NDF:123.2/28

Out: 2.470+/-0.374 χ^2/NDF:87.3/33

All: 2.110+/-0.268 χ^2/NDF: 212.4/62



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.331+/-0.020 χ^2/NDF:91193.6/14

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.643+/-0.021 χ^2/NDF:5554.7/12

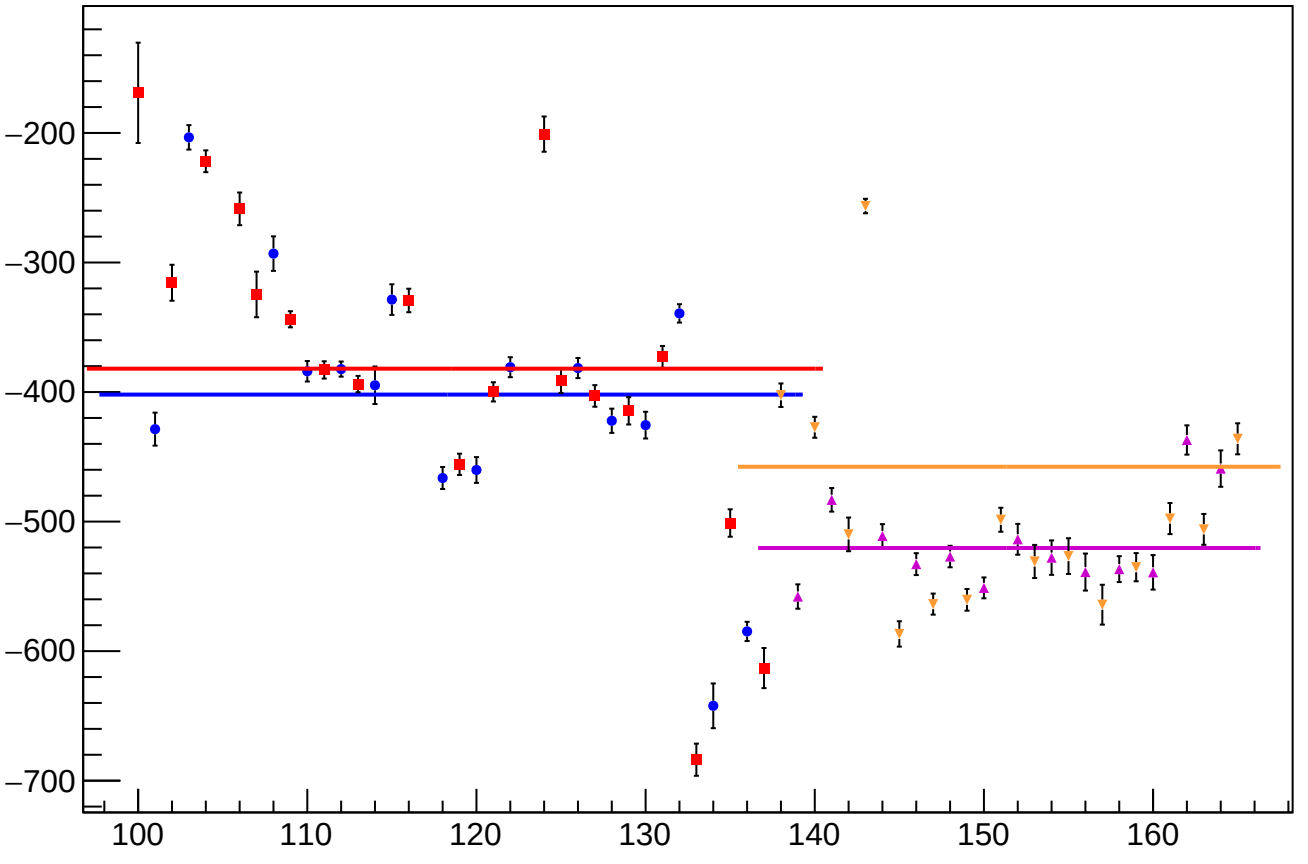
Left: -0.969+/-0.014 χ^2/NDF: 98842.8/27

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: -0.055+/-0.019 χ^2/NDF:358356.1/28

Out: 0.380+/-0.018 χ^2/NDF:533776.0/33

All: 0.165+/-0.013 χ^2/NDF: 892410.5/62



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -457.670+/-2.485 χ^2/NDF:2066.2/14

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -520.382+/-2.823 χ^2/NDF:131.4/12

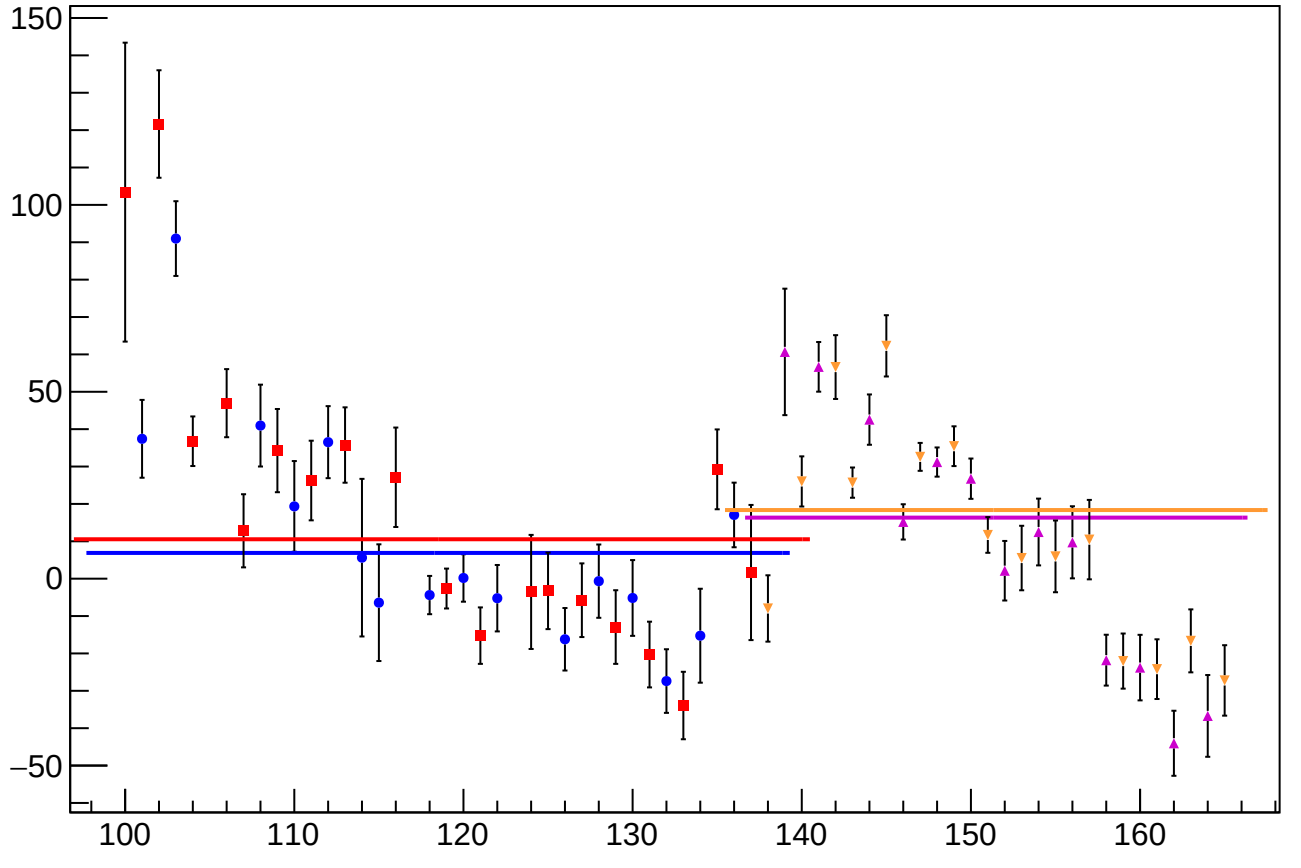
Left: -485.055+/-1.865 χ^2/NDF: 2475.6/27

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -447.617+/-1.753 χ^2/NDF:2776.0/28

Out: -413.915+/-1.615 χ^2/NDF:4420.0/33

All: -429.388+/-1.188 χ^2/NDF: 7395.9/62



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 18.360+/-1.648 χ^2/NDF:192.5/14

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 16.334+/-1.862 χ^2/NDF:205.1/12

Left: 17.470+/-1.234 χ^2/NDF: 398.2/27

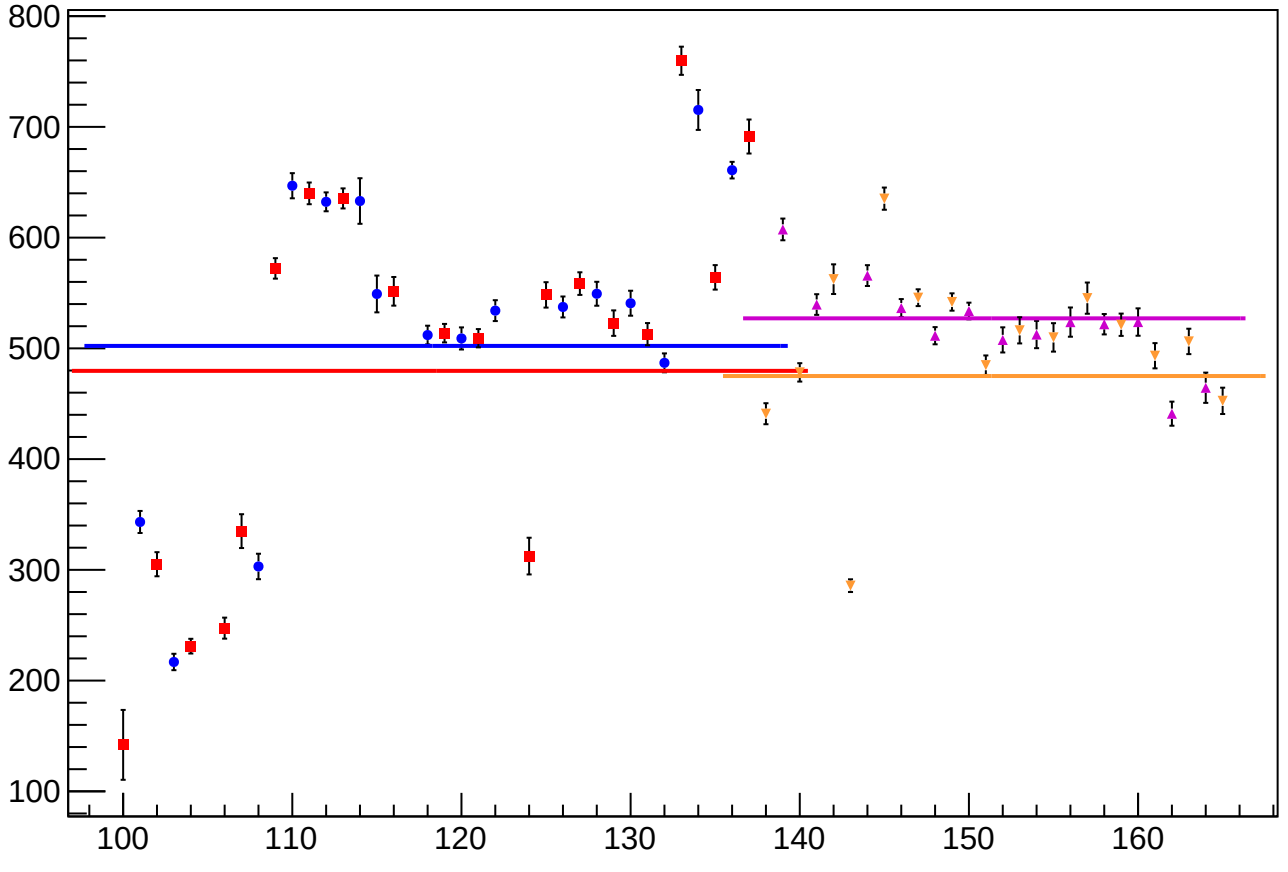
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 12.523+/-1.438 χ^2/NDF:353.9/28

Out: 15.545+/-1.318 χ^2/NDF:380.6/33

All: 14.165+/-0.972 χ^2/NDF: 736.9/62

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 475.021+/-2.436 χ^2/NDF:1637.6/14

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 527.105+/-2.722 χ^2/NDF:180.4/12

Left: 498.182+/-1.815 χ^2/NDF: 2021.3/27

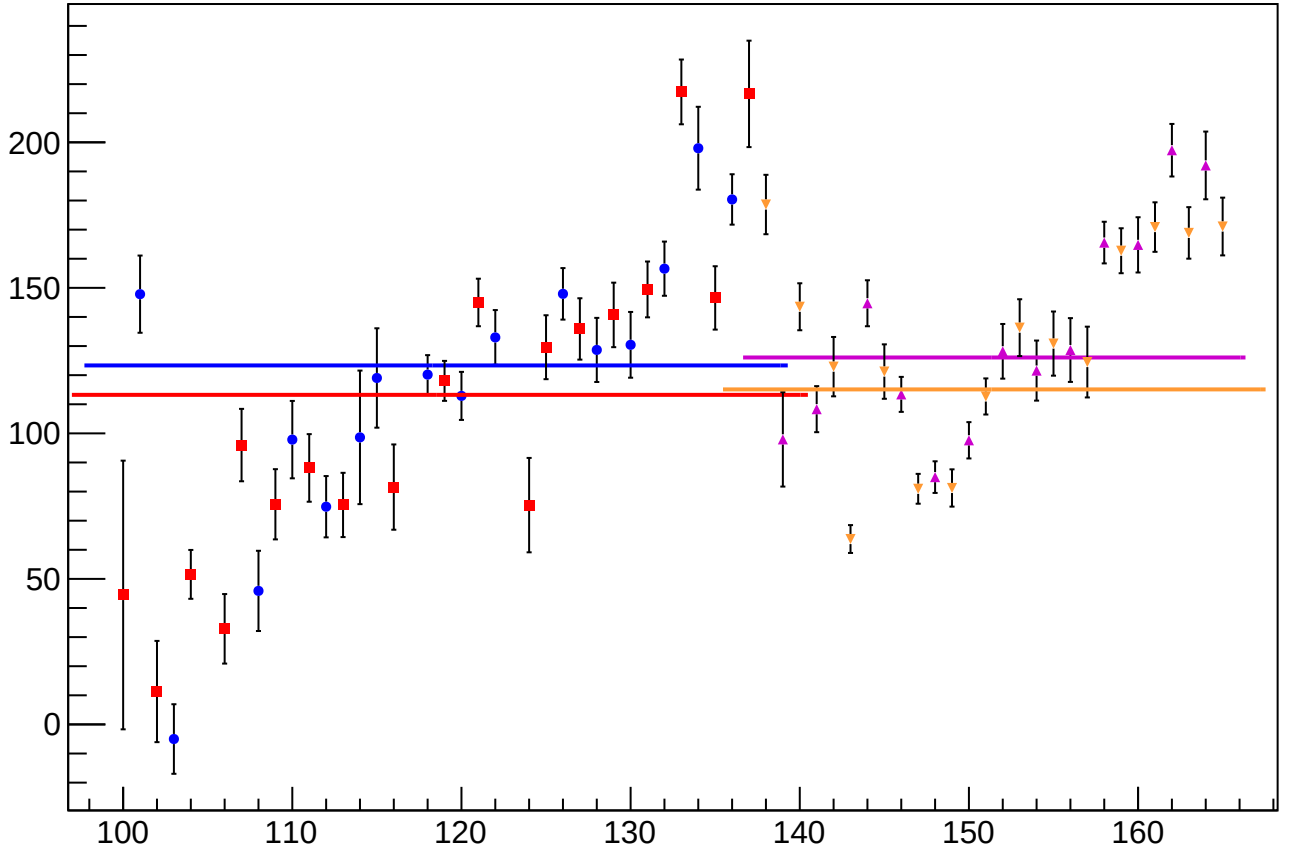
Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 513.568+/-1.838 χ^2/NDF:3361.1/28

Out: 477.385+/-1.709 χ^2/NDF:5778.0/33

All: 494.162+/-1.252 χ^2/NDF: 9346.8/62

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 115.106+/-1.972 χ^2/NDF:397.1/14

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 126.073+/-2.223 χ^2/NDF:237.8/12

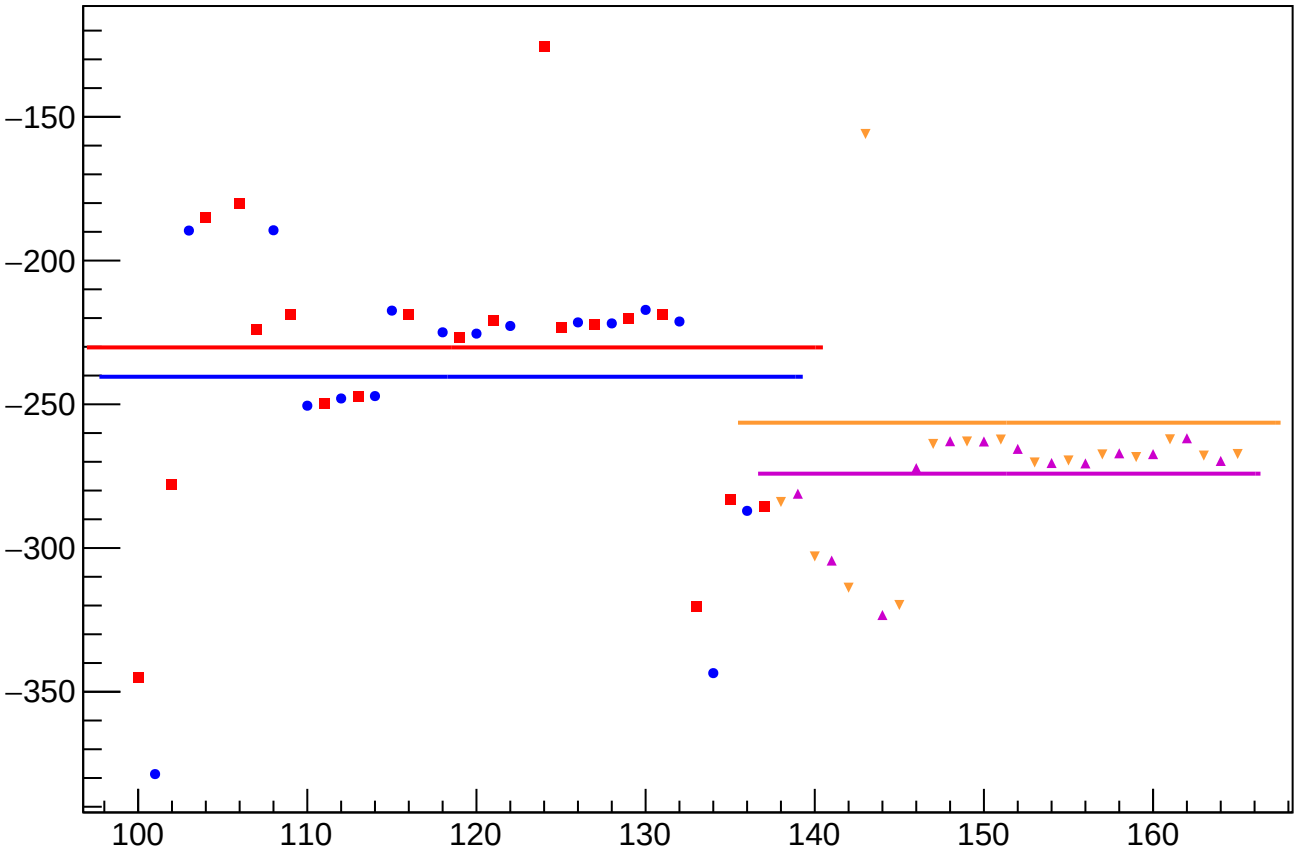
Left: 119.937+/-1.475 χ^2/NDF: 648.5/27

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 124.934+/-1.697 χ^2/NDF:509.8/28

Out: 114.404+/-1.559 χ^2/NDF:743.2/33

All: 119.224+/-1.148 χ^2/NDF: 1273.8/62



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.395+/-0.096 χ^2/NDF:240096.0/14

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -274.128+/-0.104 χ^2/NDF:25260.9/12

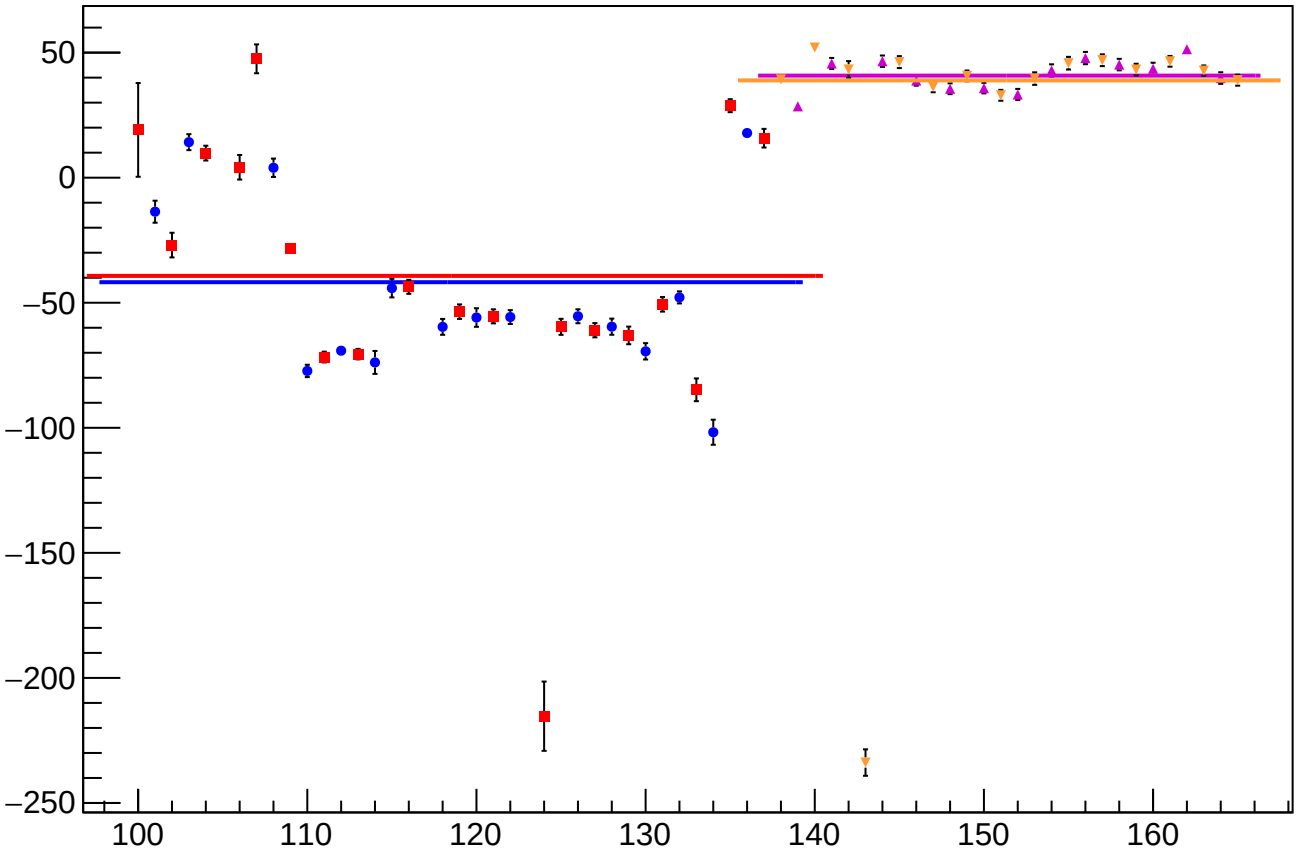
Left: -264.499+/-0.071 χ^2/NDF: 281025.7/27

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.187+/-0.086 χ^2/NDF:193264.4/28

Out: -248.553+/-0.080 χ^2/NDF:345914.6/33

All: -255.373+/-0.059 χ^2/NDF: 554710.0/62



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.898+/-0.598 χ^2/NDF:2762.8/14

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 40.806+/-0.609 χ^2/NDF:120.0/12

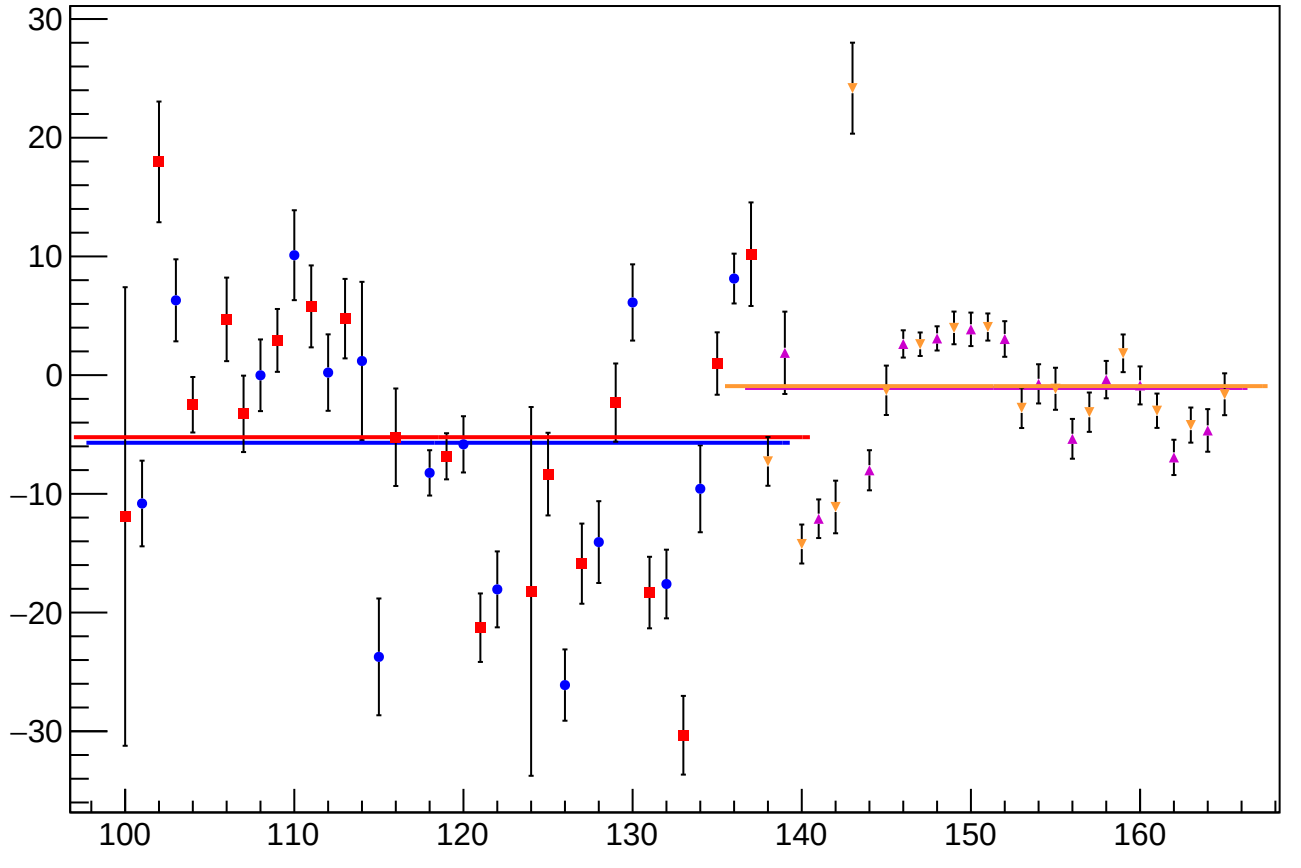
Left: 39.834+/-0.427 χ^2/NDF: 2887.7/27

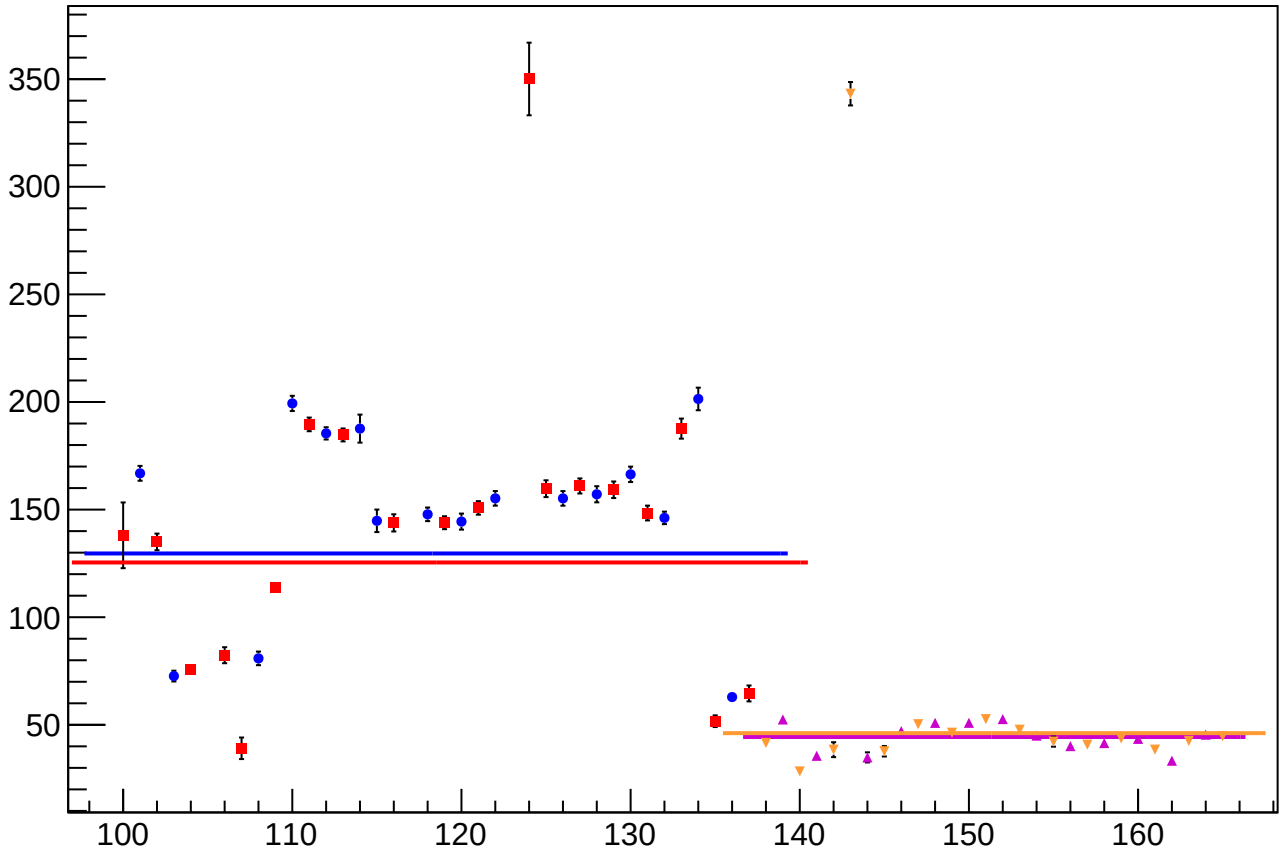
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 6.524+/-0.466 χ^2/NDF:10156.2/28

Out: 4.805+/-0.449 χ^2/NDF:12698.0/33

All: 5.632+/-0.323 χ^2/NDF: 22861.2/62


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
Right In: -5.697+/-0.753 χ²/NDF: 196.7/15
Left Out: -0.926+/-0.405 χ²/NDF:196.6/14
Right Out: -5.227+/-0.740 χ²/NDF: 197.3/18
Left In: -1.078+/-0.417 χ²/NDF:136.6/12
Left: -1.000+/-0.290 χ²/NDF: 333.4/27
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -2.161+/-0.365 χ²/NDF:362.2/28
Out: -1.916+/-0.355 χ²/NDF:420.0/33
All: -2.036+/-0.254 χ²/NDF: 782.4/62



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.135+/-0.578 χ^2/NDF:3125.5/14

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.347+/-0.587 χ^2/NDF:127.7/12

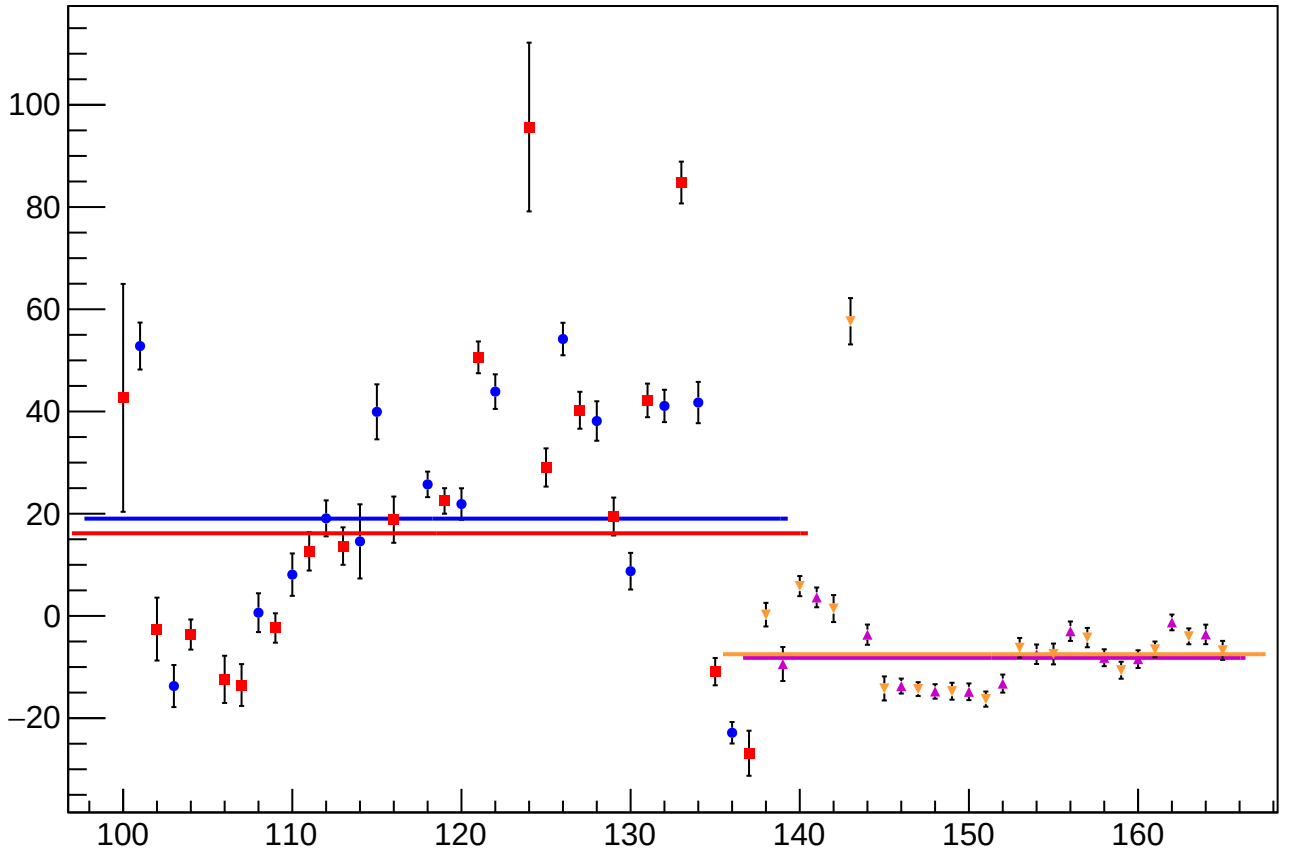
Left: 45.254+/-0.412 χ^2/NDF: 3257.9/27

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 74.136+/-0.473 χ^2/NDF:11133.4/28

Out: 73.806+/-0.467 χ^2/NDF:13192.0/33

All: 73.969+/-0.332 χ^2/NDF: 24325.7/62



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.491+/-0.473 χ^2/NDF:375.2/14

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -8.200+/-0.487 χ^2/NDF:137.0/12

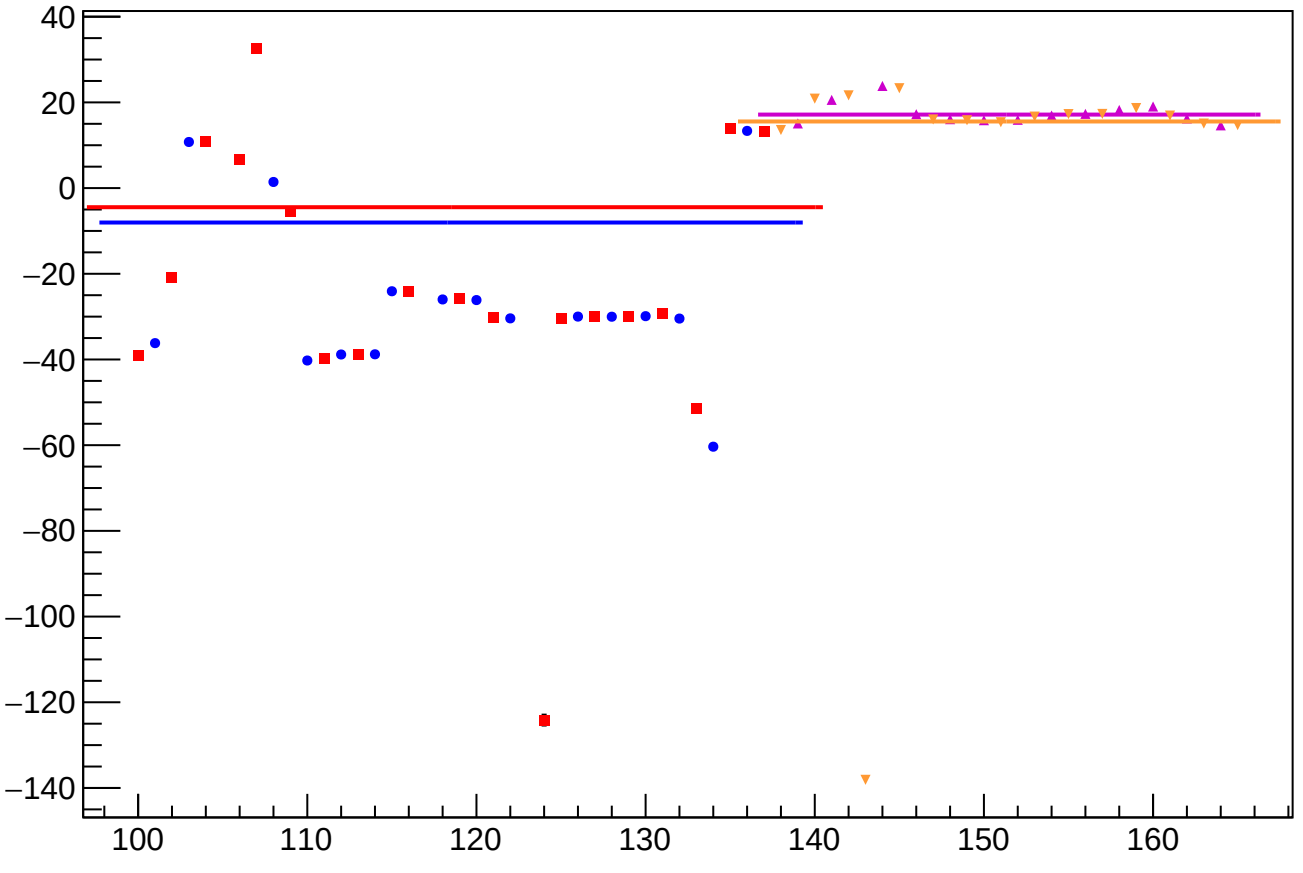
Left: -7.836+/-0.339 χ^2/NDF: 513.3/27

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.590+/-0.424 χ^2/NDF:1754.7/28

Out: -1.848+/-0.413 χ^2/NDF:1912.4/33

All: -1.722+/-0.296 χ^2/NDF: 3667.3/62



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.546+/-0.022 χ^2/NDF:476298.8/14

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.153+/-0.022 χ^2/NDF:8755.7/12

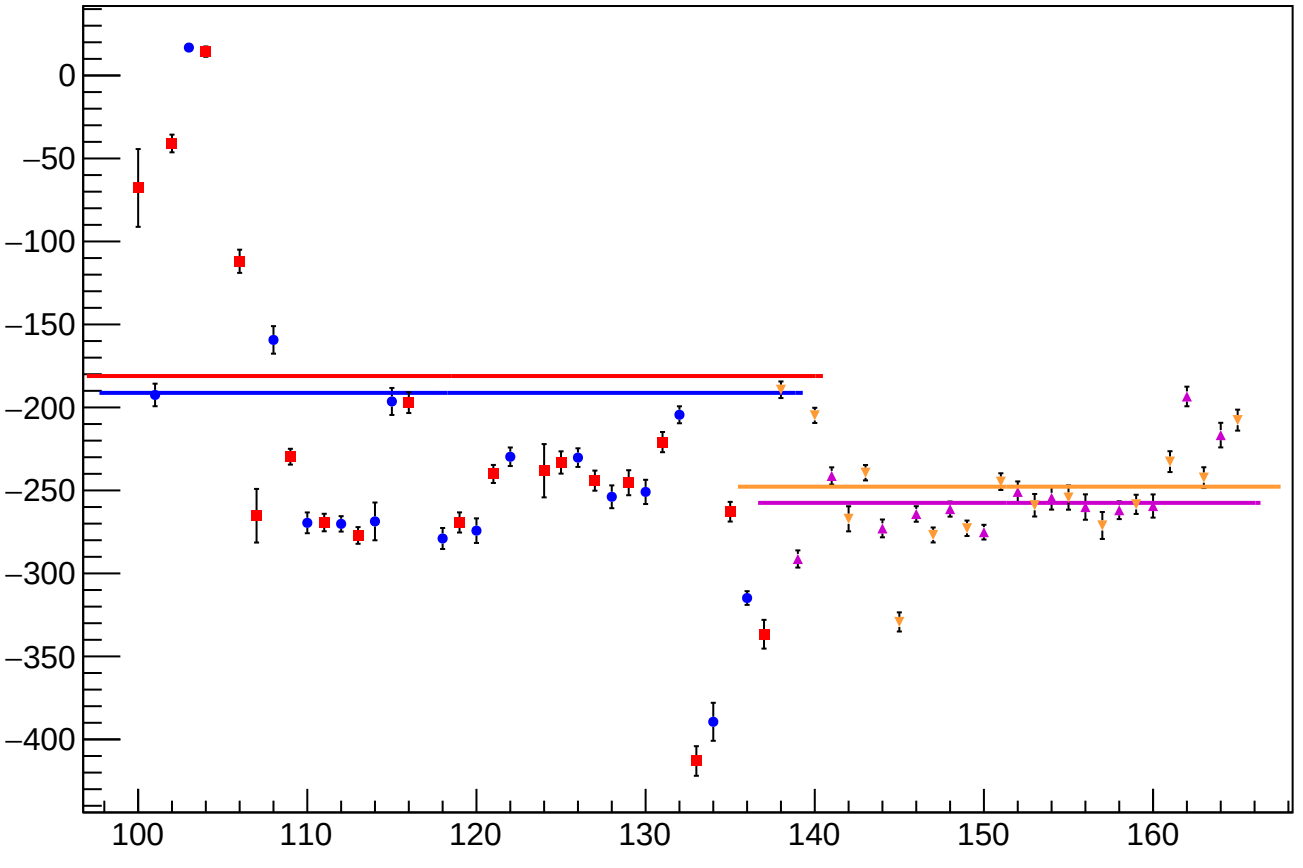
Left: 16.343+/-0.015 χ^2/NDF: 487756.6/27

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.448+/-0.020 χ^2/NDF:522362.8/28

Out: 11.987+/-0.020 χ^2/NDF:854969.9/33

All: 12.217+/-0.014 χ^2/NDF: 1377604.9/62



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -247.740+/-1.446 χ^2/NDF:566.8/14

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -257.497+/-1.546 χ^2/NDF:229.4/12

Left: -252.294+/-1.056 χ^2/NDF: 817.4/27

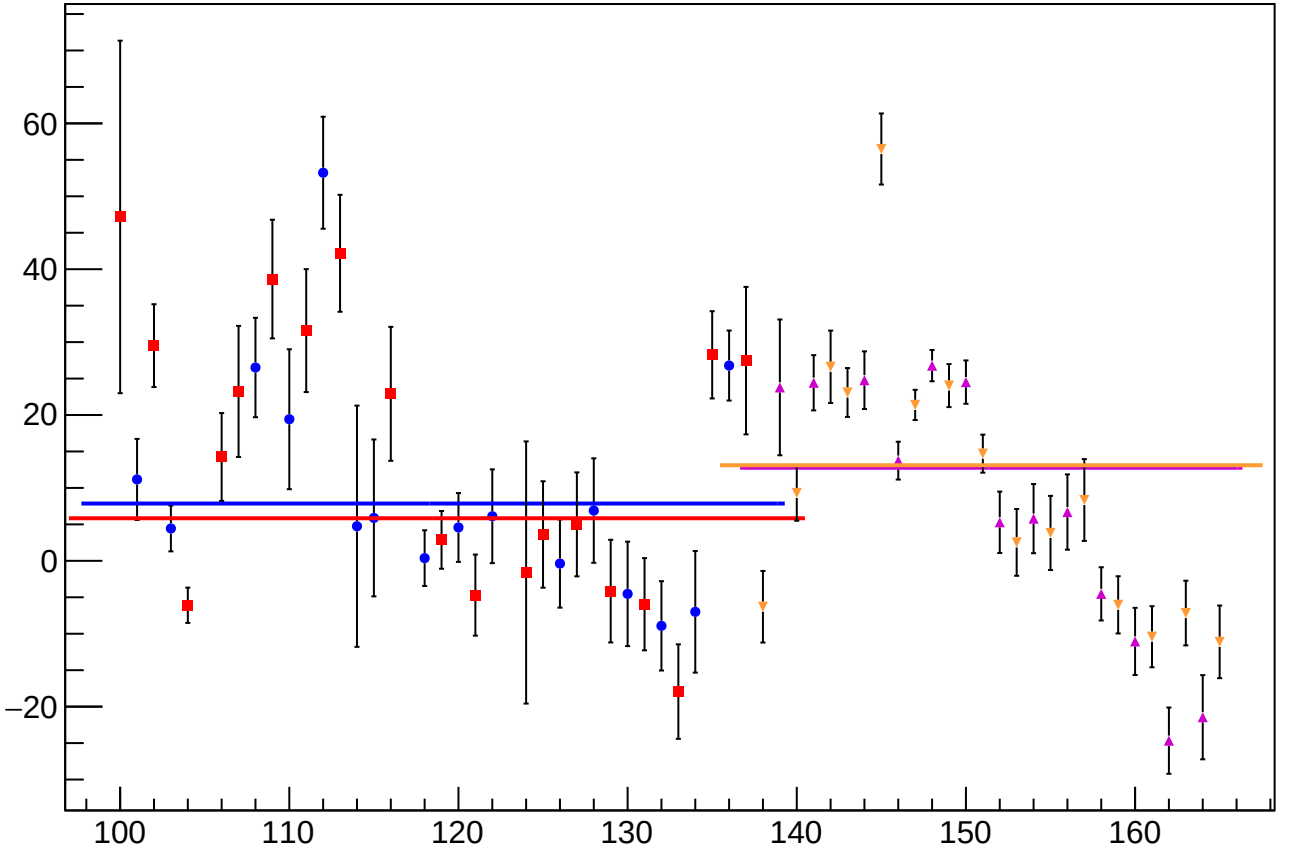
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -221.522+/-1.045 χ^2/NDF:8451.9/28

Out: -212.907+/-0.999 χ^2/NDF:9050.7/33

All: -217.021+/-0.722 χ^2/NDF: 17538.1/62

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: 13.110+/-0.950 χ^2/NDF:251.4/14

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 12.770+/-1.019 χ^2/NDF:237.4/12

Left: 12.952+/-0.695 χ^2/NDF: 488.9/27

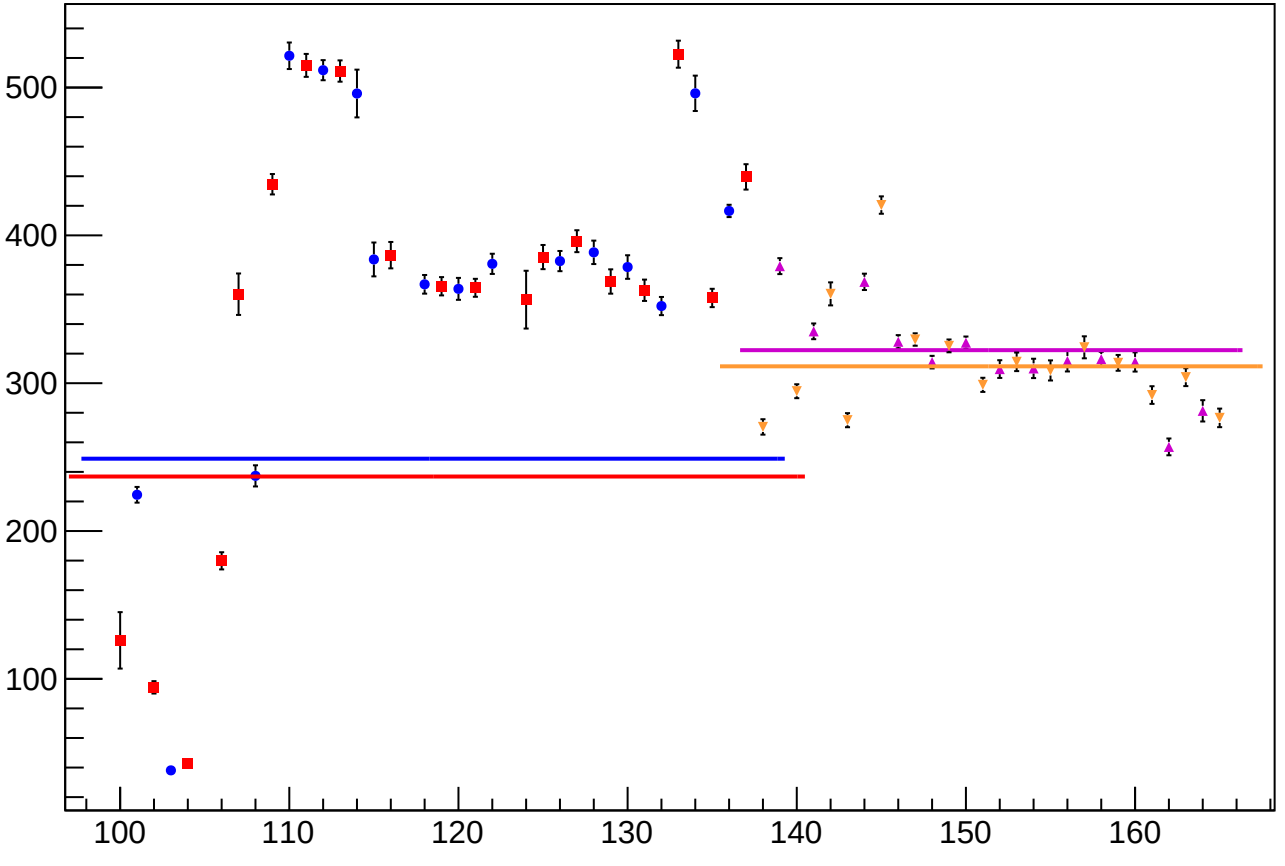
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 11.128+/-0.831 χ^2/NDF:326.1/28

Out: 10.715+/-0.778 χ^2/NDF:412.6/33

All: 10.908+/-0.568 χ^2/NDF: 738.8/62

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 311.409+/-1.407 χ^2/NDF:598.2/14

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 322.349+/-1.488 χ^2/NDF:370.5/12

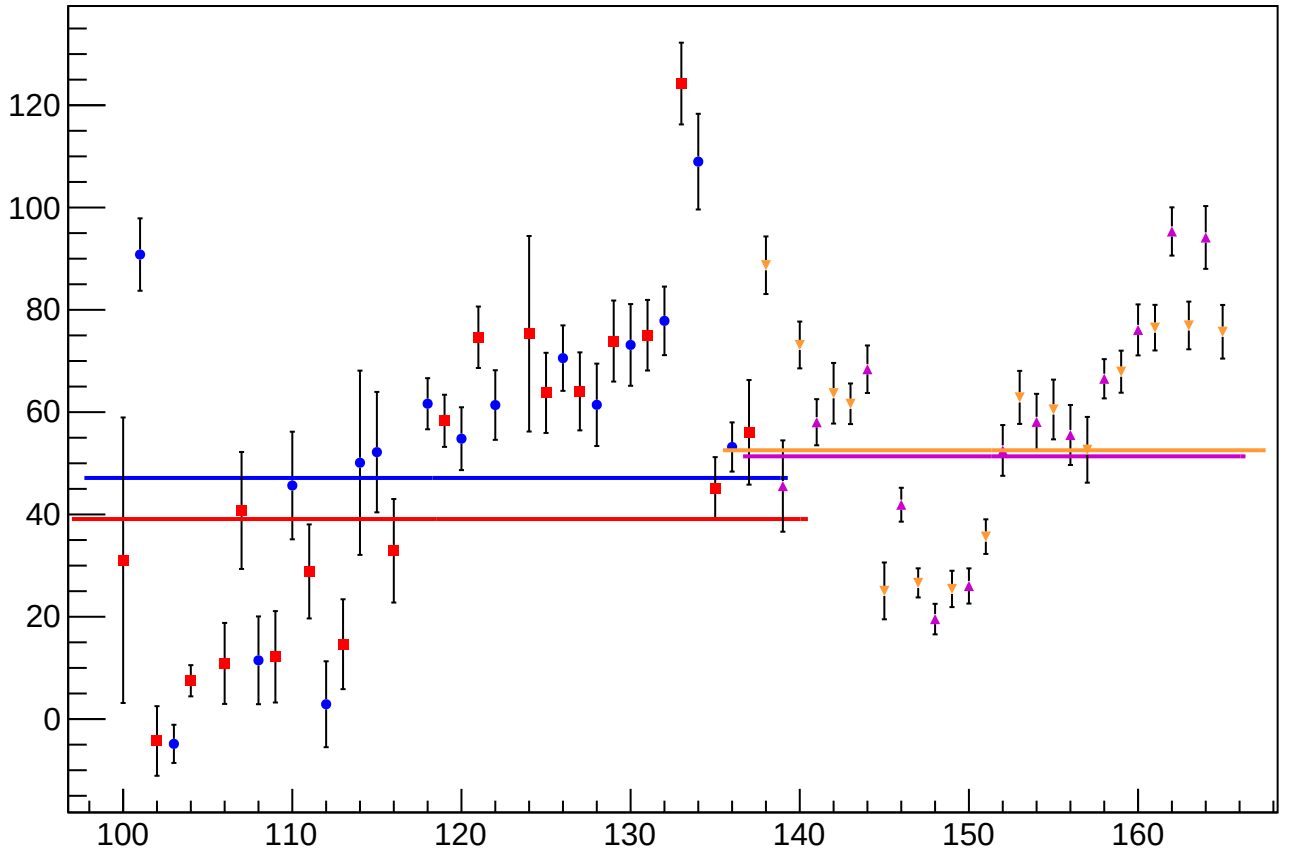
Left: 316.574+/-1.022 χ^2/NDF: 997.2/27

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 283.973+/-1.028 χ^2/NDF:16945.5/28

Out: 274.135+/-0.995 χ^2/NDF:17659.3/33

All: 278.893+/-0.715 χ^2/NDF: 34652.0/62



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 52.547+/-1.135 χ^2/NDF:356.5/14

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 51.360+/-1.214 χ^2/NDF:369.8/12

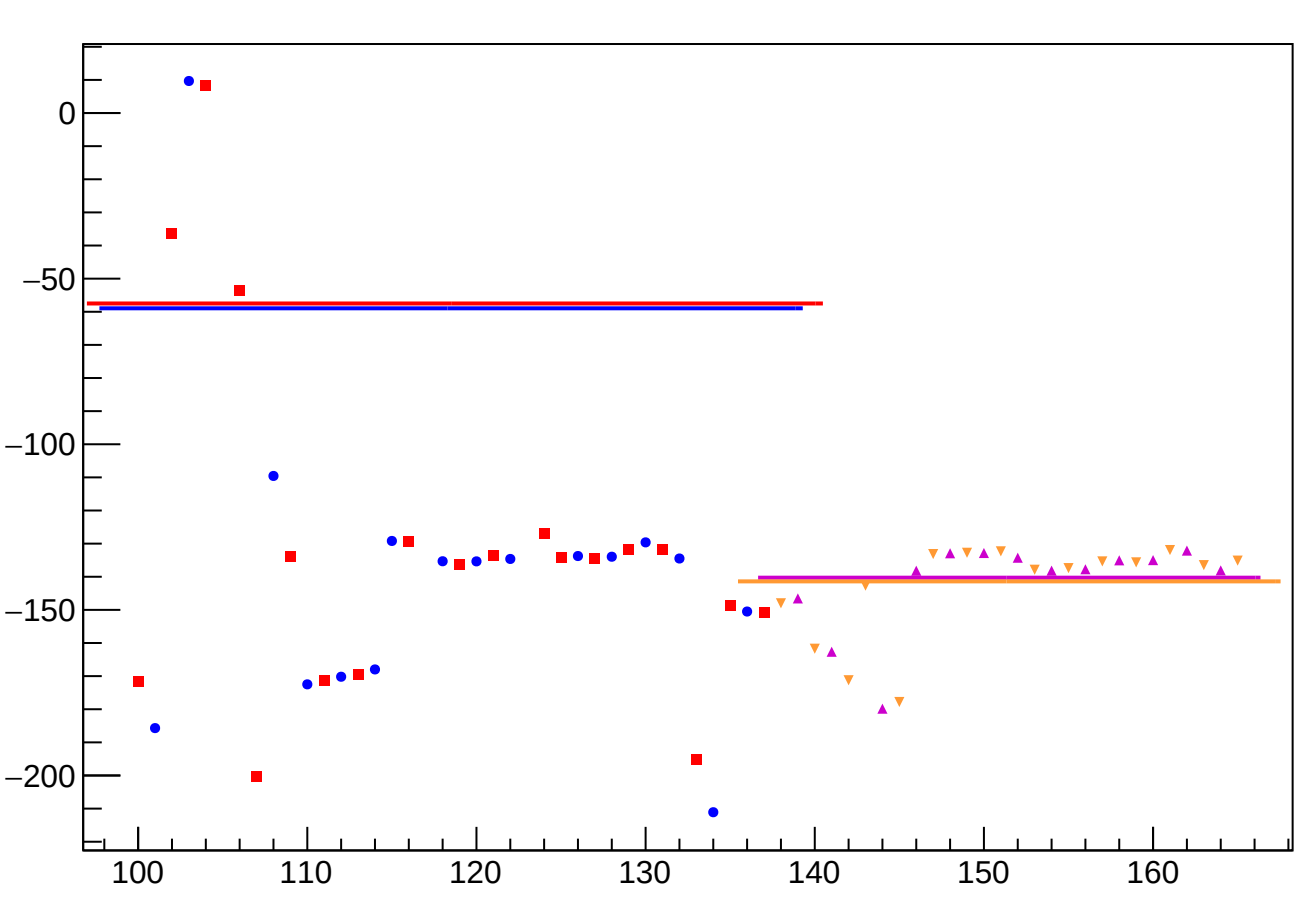
Left: 51.994+/-0.829 χ^2/NDF: 726.8/27

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 49.898+/-0.981 χ^2/NDF:759.3/28

Out: 48.032+/-0.925 χ^2/NDF:820.1/33

All: 48.910+/-0.673 χ^2/NDF: 1581.4/62



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -141.398+/-0.055 χ^2/NDF:55395.2/14

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -140.282+/-0.057 χ^2/NDF:44974.5/12

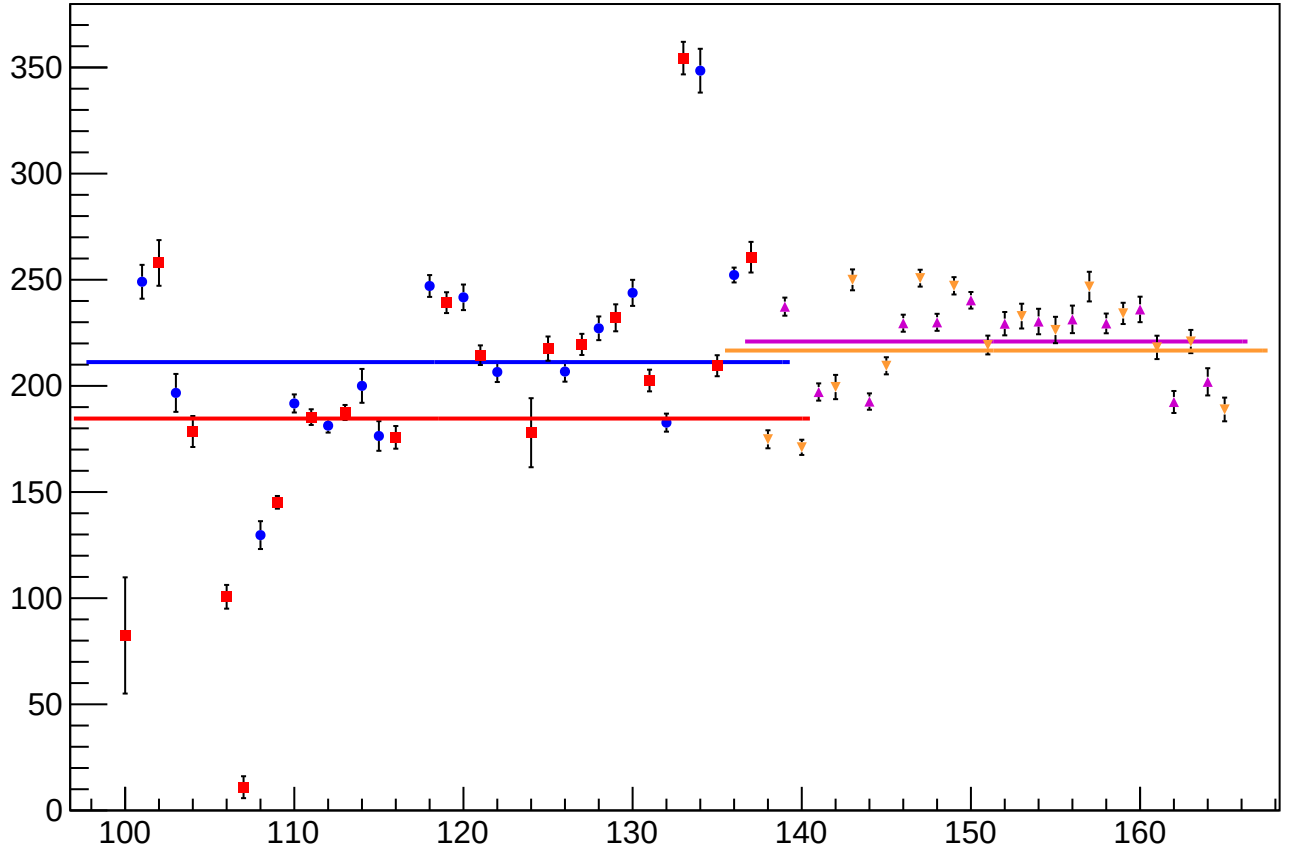
Left: -140.861+/-0.039 χ^2/NDF: 100570.0/27

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -109.402+/-0.045 χ^2/NDF:2050264.4/28

Out: -111.882+/-0.044 χ^2/NDF:1754114.4/33

All: -110.661+/-0.031 χ^2/NDF: 3805939.5/62



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.656+/-1.235 χ^2/NDF:513.0/14

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 220.912+/-1.298 χ^2/NDF:193.6/12

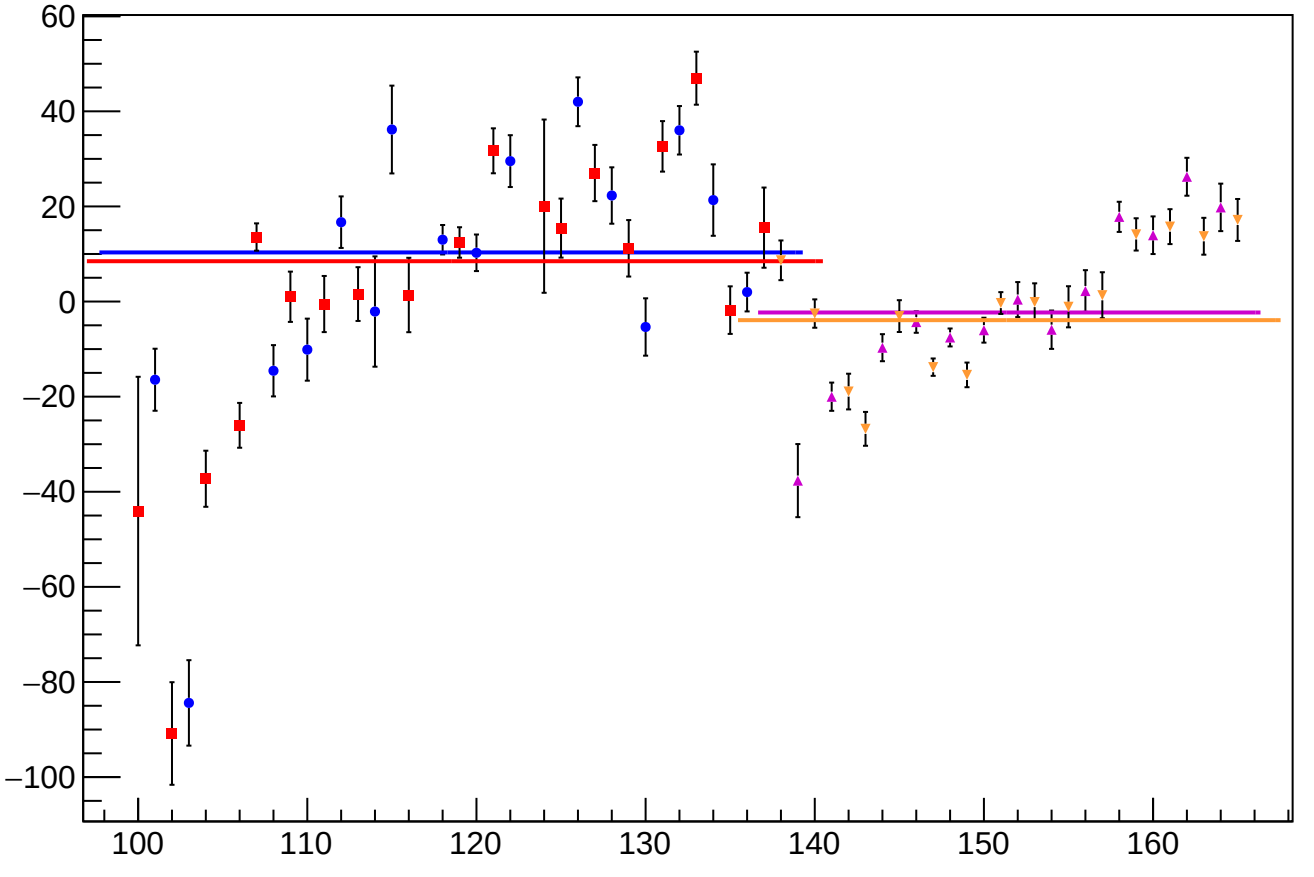
Left: 218.678+/-0.895 χ^2/NDF: 712.3/27

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 216.051+/-0.917 χ^2/NDF:1004.6/28

Out: 200.089+/-0.858 χ^2/NDF:3401.3/33

All: 207.543+/-0.627 χ^2/NDF: 4567.3/62



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -3.916+/-0.820 χ^2/NDF:221.1/14

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -2.302+/-0.867 χ^2/NDF:204.5/12

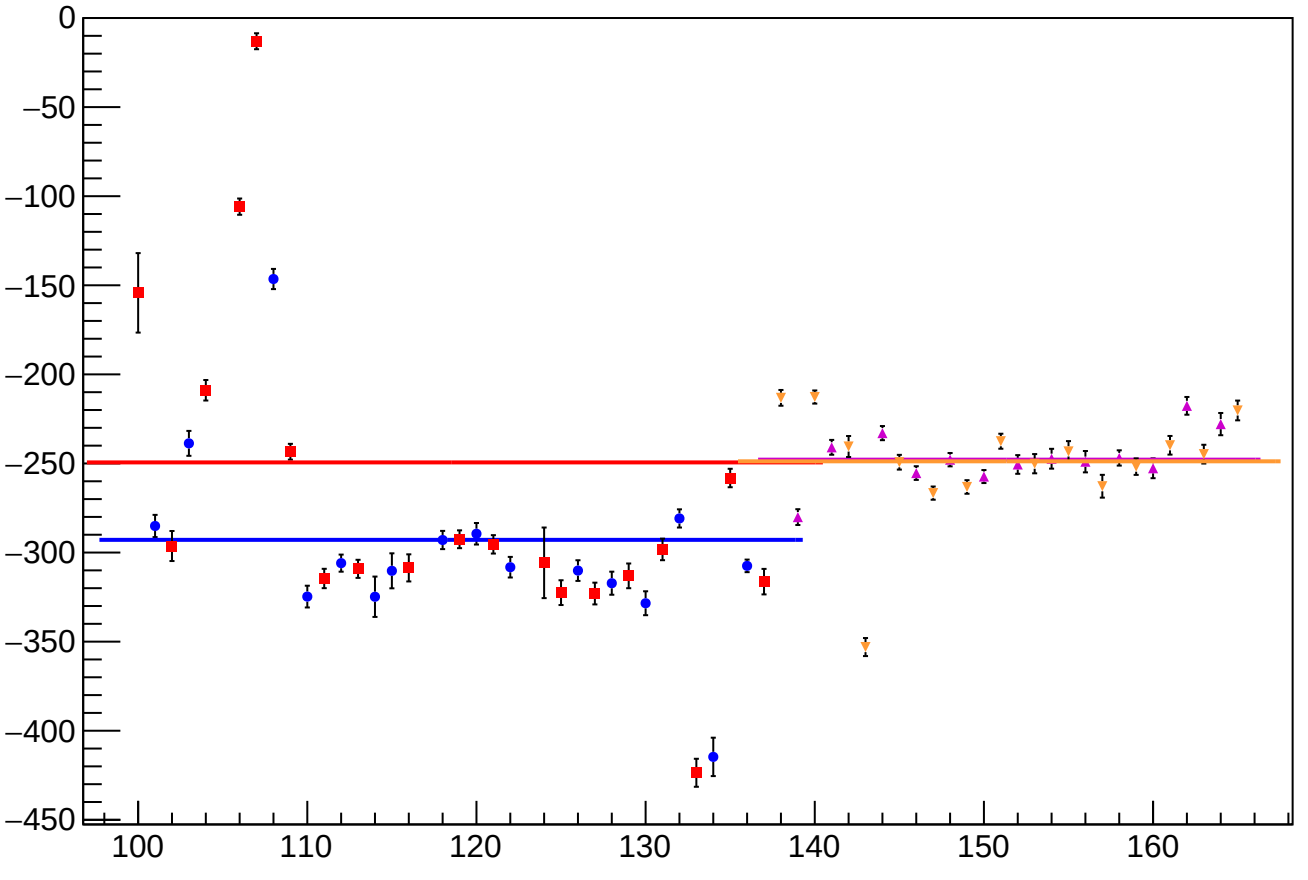
Left: -3.154+/-0.596 χ^2/NDF: 427.4/27

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 1.454+/-0.727 χ^2/NDF:530.8/28

Out: -0.080+/-0.681 χ^2/NDF:614.2/33

All: 0.637+/-0.497 χ^2/NDF: 1147.4/62



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -248.795+/-1.205 χ^2/NDF:667.3/14

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -247.863+/-1.255 χ^2/NDF:128.4/12

Left: -248.348+/-0.869 χ^2/NDF: 796.0/27

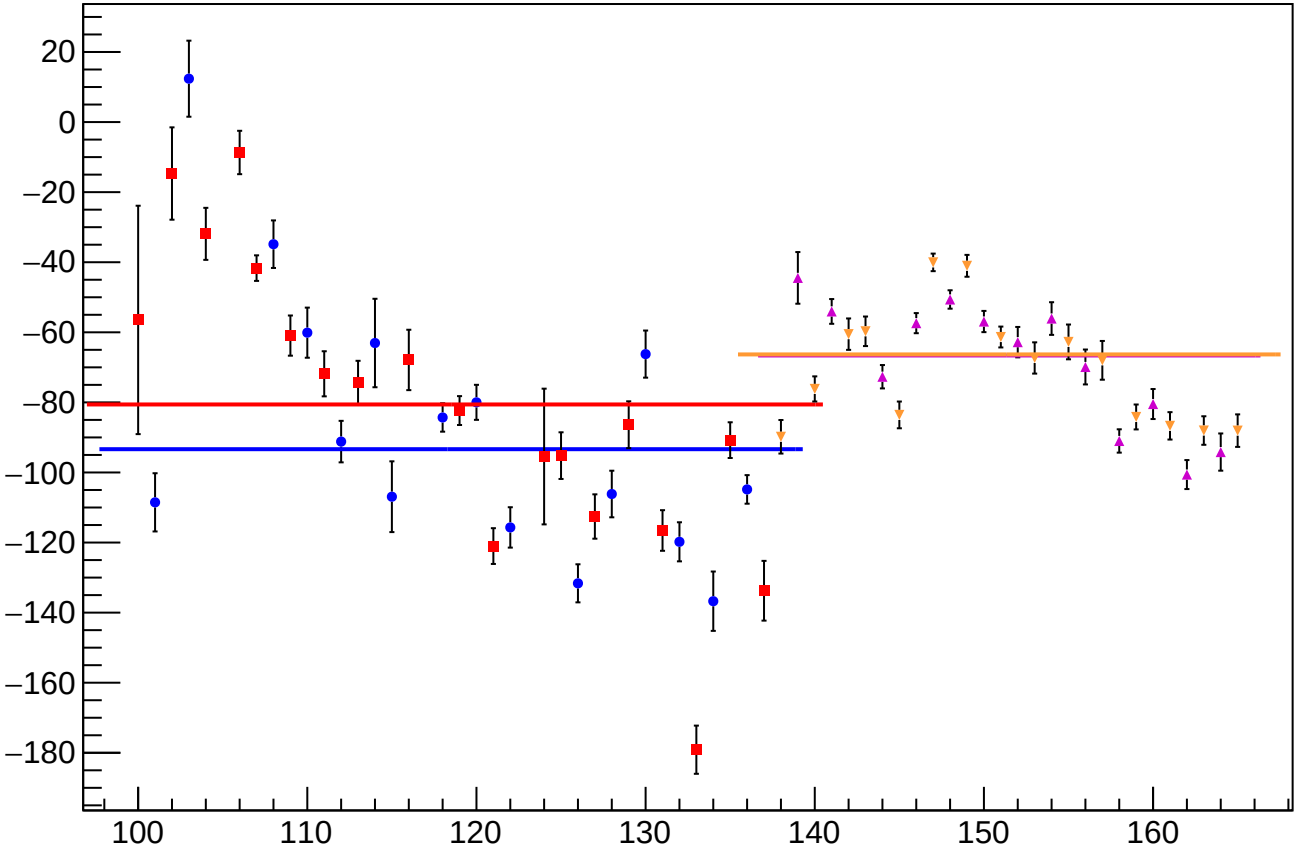
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -266.874+/-0.954 χ^2/NDF:1655.2/28

Out: -249.062+/-0.904 χ^2/NDF:6035.9/33

All: -257.494+/-0.656 χ^2/NDF: 7874.8/62

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -66.312+/-0.978 χ^2/NDF:338.1/14

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -66.611+/-1.030 χ^2/NDF:247.5/12

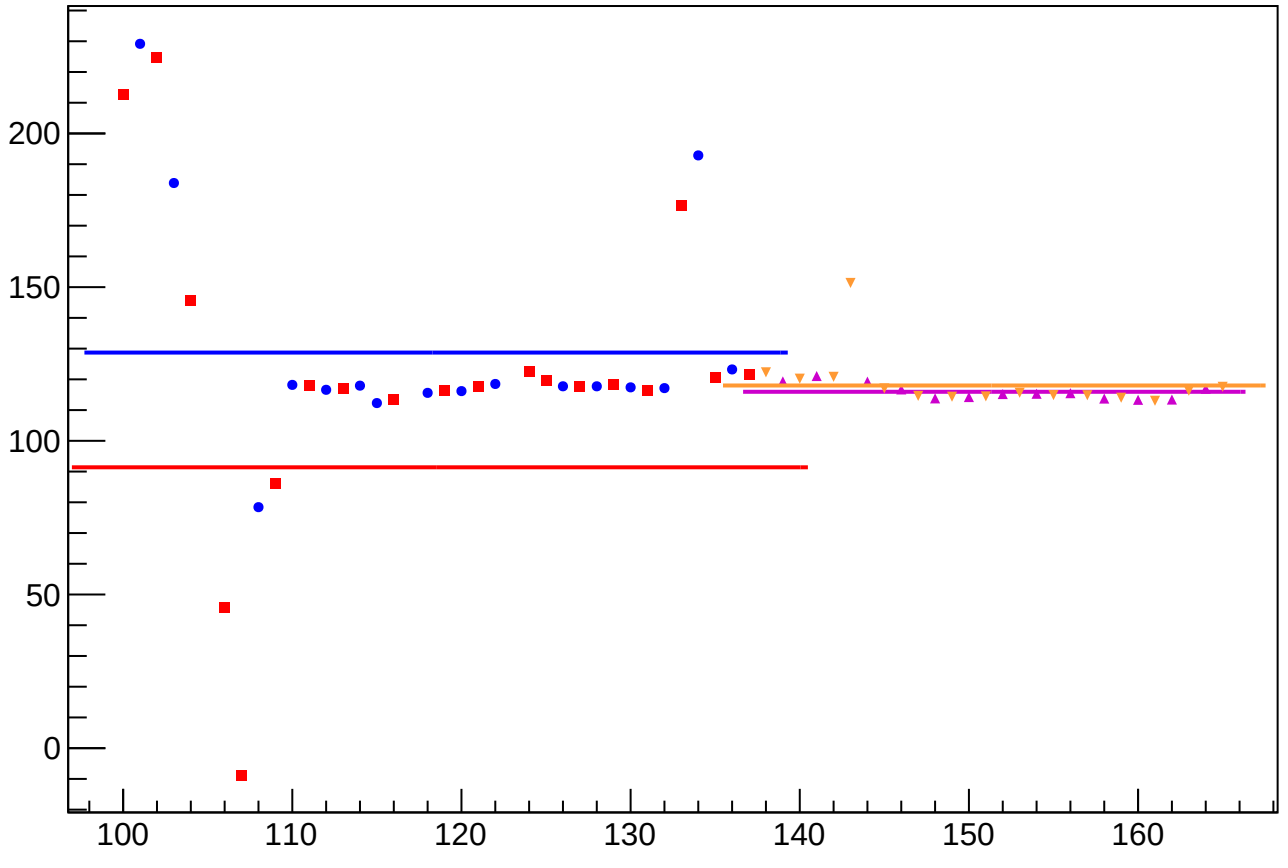
Left: -66.454+/-0.709 χ^2/NDF: 585.6/27

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -74.925+/-0.855 χ^2/NDF:812.2/28

Out: -70.888+/-0.806 χ^2/NDF:1121.8/33

All: -72.787+/-0.587 χ^2/NDF: 1945.7/62



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.004+/-0.047 χ^2/NDF:29403.5/14

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 115.954+/-0.048 χ^2/NDF:2689.3/12

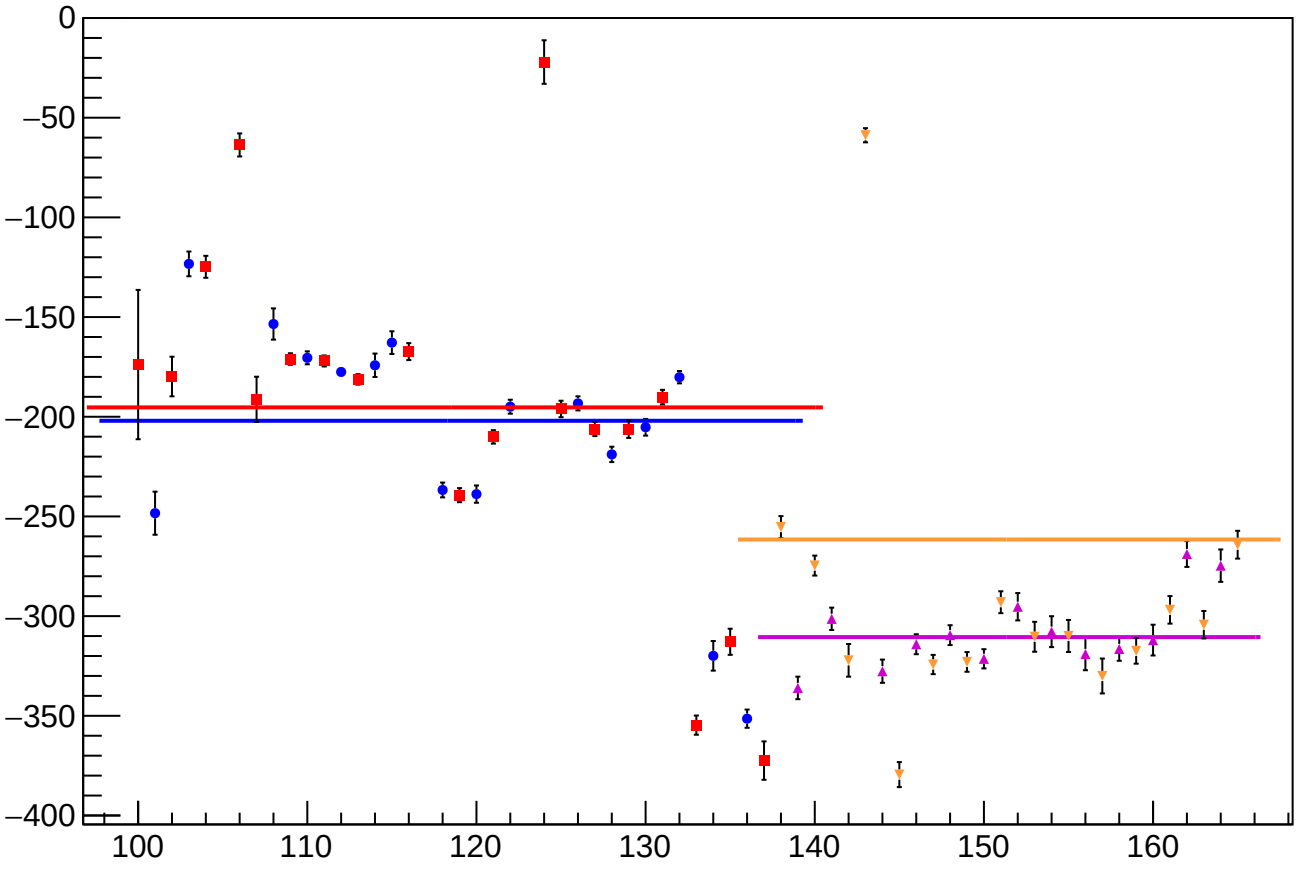
Left: 117.006+/-0.034 χ^2/NDF: 33024.2/27

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.833+/-0.042 χ^2/NDF:202083.8/28

Out: 111.081+/-0.040 χ^2/NDF:718194.9/33

All: 114.768+/-0.029 χ^2/NDF: 937860.9/62



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.578+/-1.504 χ^2/NDF:4298.8/14

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -310.525+/-1.683 χ^2/NDF:105.3/12

Left: -283.309+/-1.121 χ^2/NDF: 4874.5/27

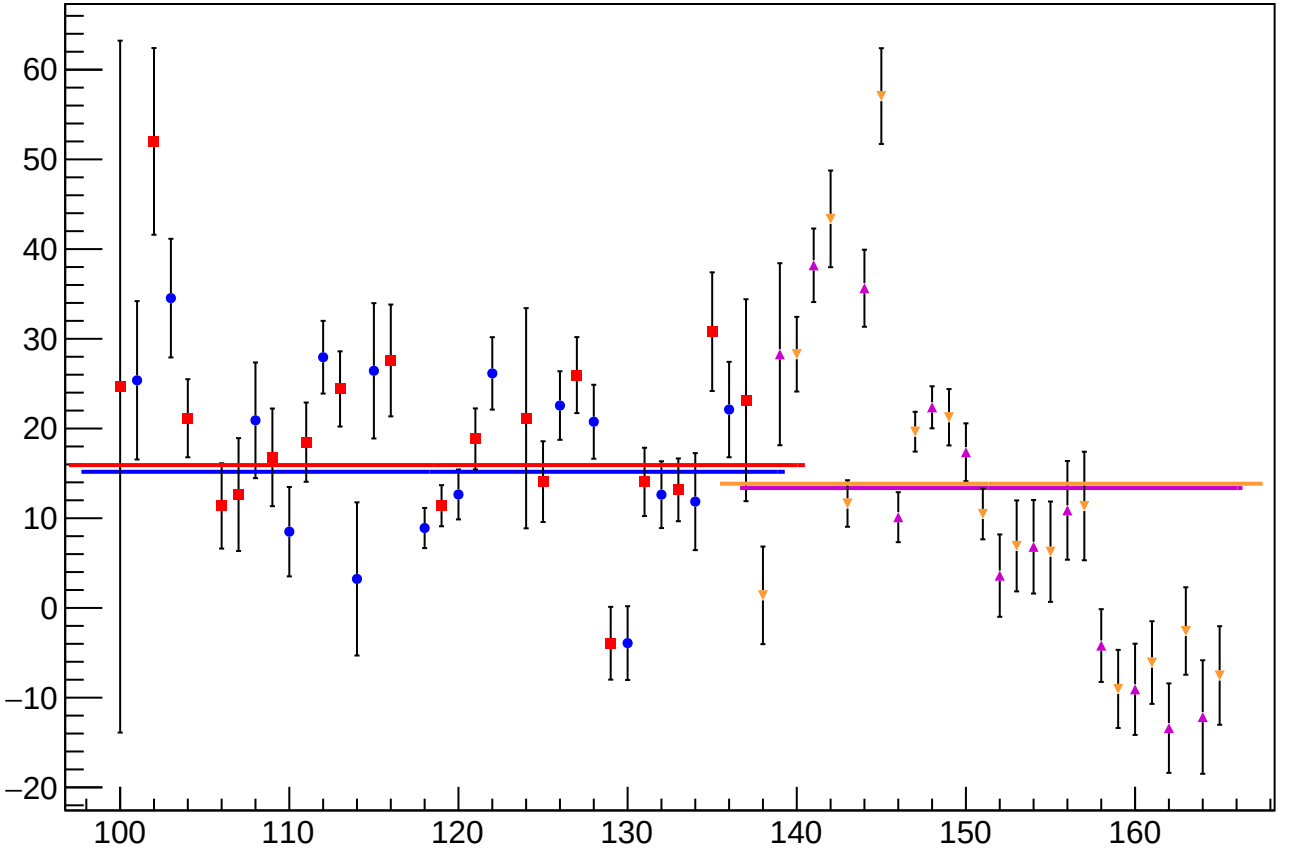
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.344+/-0.875 χ^2/NDF:5179.7/28

Out: -214.900+/-0.818 χ^2/NDF:8767.6/33

All: -222.566+/-0.597 χ^2/NDF: 14135.9/62

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.850+/-0.994 χ^2/NDF:204.0/14

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 13.363+/-1.110 χ^2/NDF:173.0/12

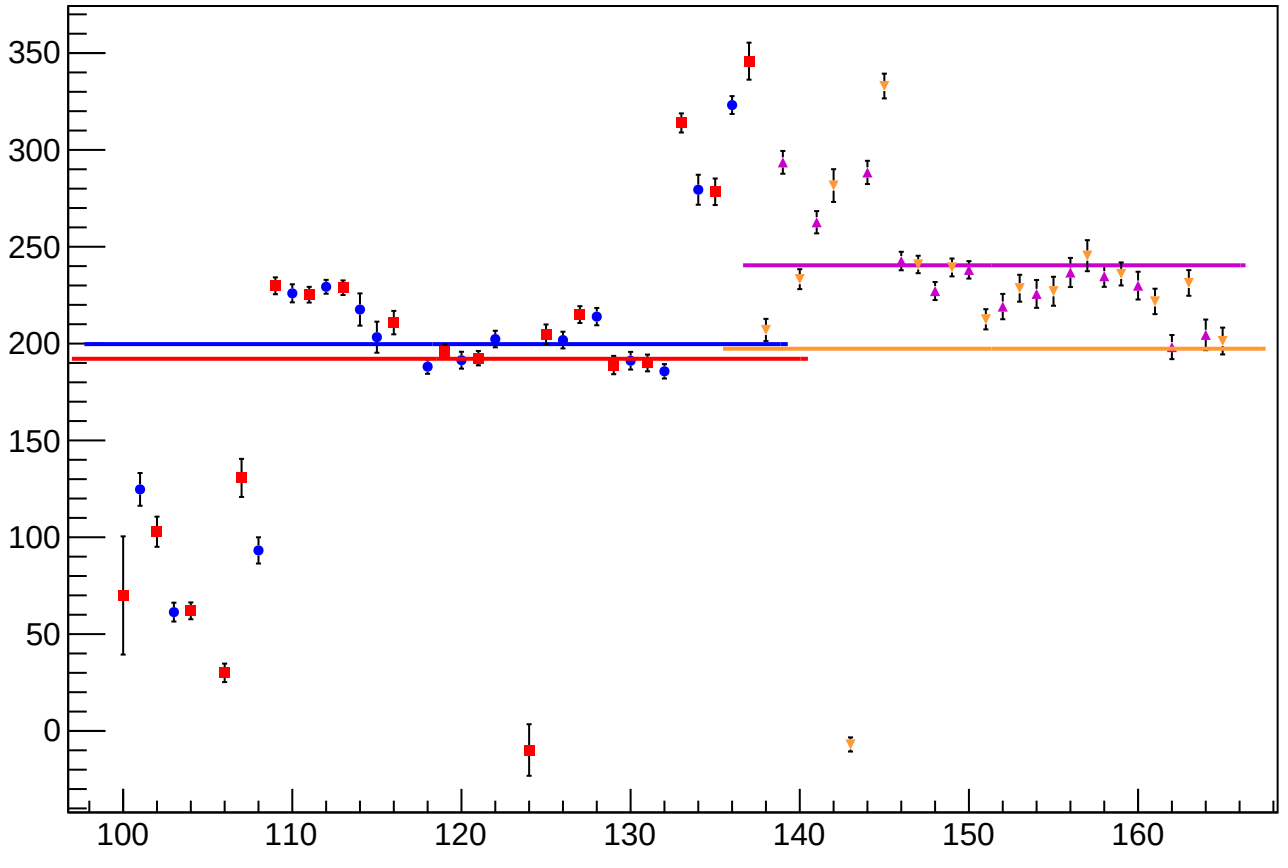
Left: 13.633+/-0.740 χ^2/NDF: 377.1/27

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 14.321+/-0.762 χ^2/NDF:246.7/28

Out: 14.844+/-0.718 χ^2/NDF:269.7/33

All: 14.598+/-0.522 χ^2/NDF: 516.7/62



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.349+/-1.469 χ^2/NDF:4055.9/14

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 240.421+/-1.620 χ^2/NDF:253.7/12

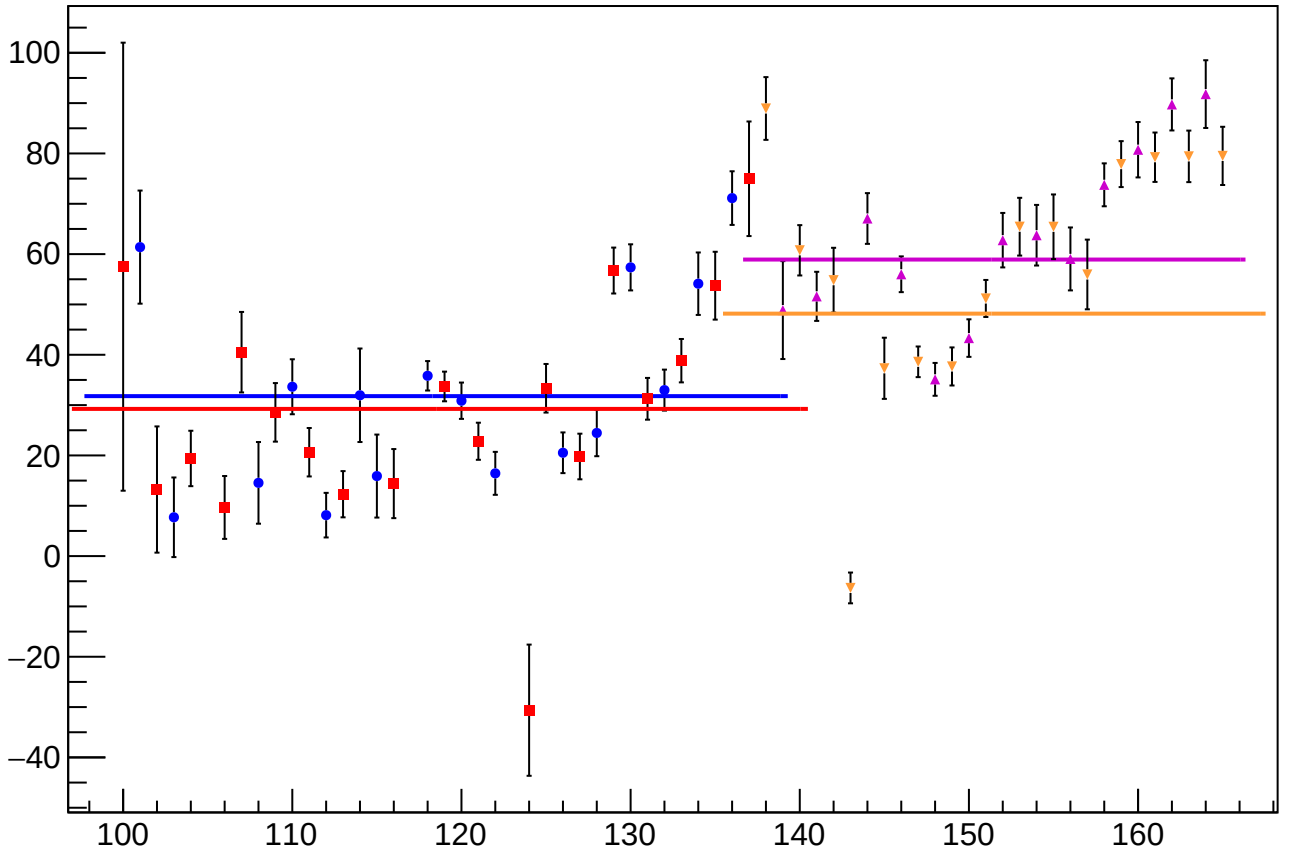
Left: 216.786+/-1.088 χ^2/NDF: 4697.4/27

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.074+/-0.962 χ^2/NDF:2763.8/28

Out: 194.130+/-0.906 χ^2/NDF:7840.8/33

All: 203.502+/-0.660 χ^2/NDF: 10832.4/62



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 48.173+/-1.188 χ^2/NDF:555.8/14

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.919+/-1.323 χ^2/NDF:165.7/12

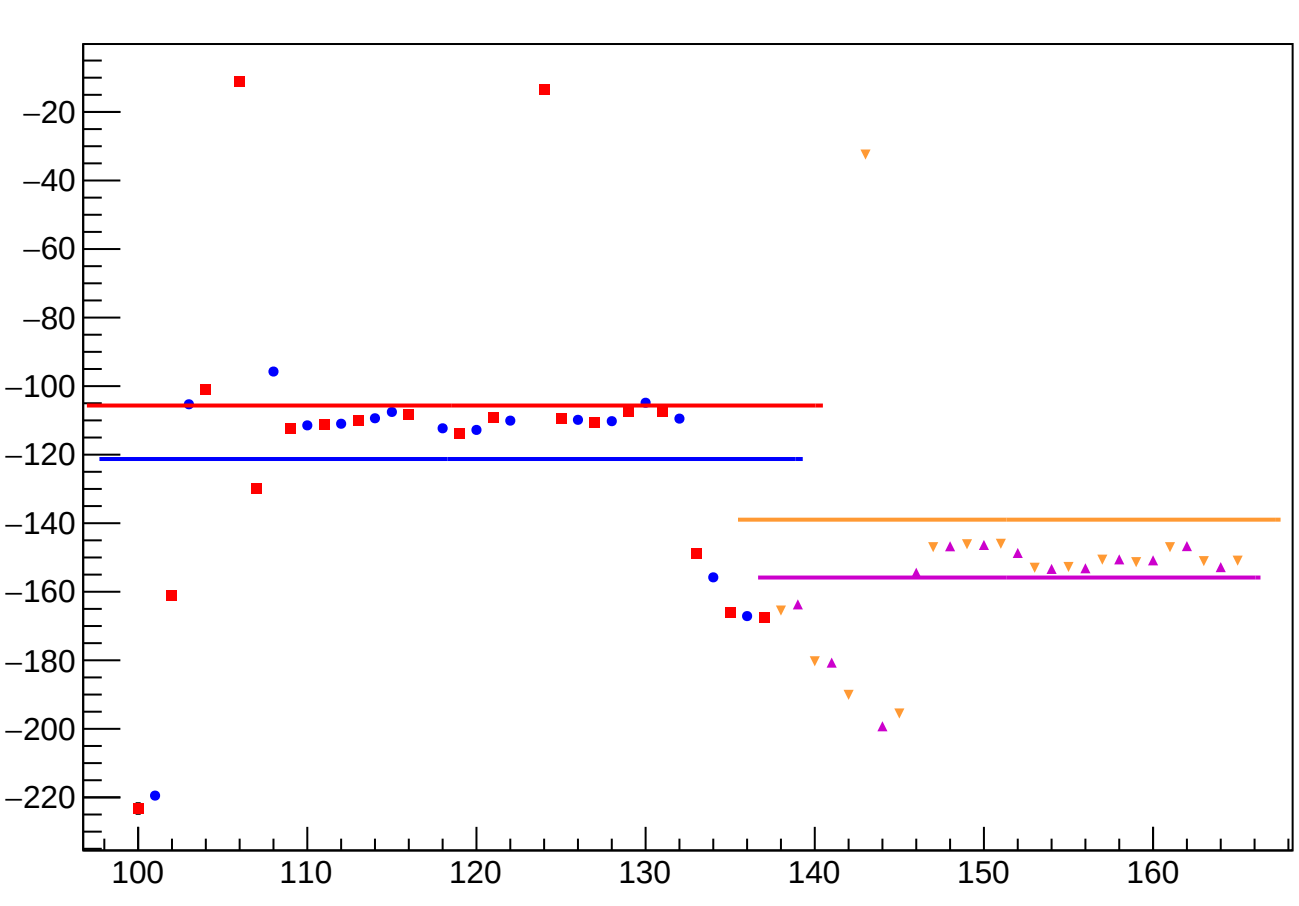
Left: 52.972+/-0.884 χ^2/NDF: 758.0/27

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 44.220+/-0.895 χ^2/NDF:570.7/28

Out: 38.777+/-0.843 χ^2/NDF:822.7/33

All: 41.335+/-0.614 χ^2/NDF: 1413.0/62



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.967+/-0.057 χ^2/NDF:630773.7/14

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -155.852+/-0.062 χ^2/NDF:47578.4/12

Left: -146.782+/-0.042 χ^2/NDF: 718315.0/27

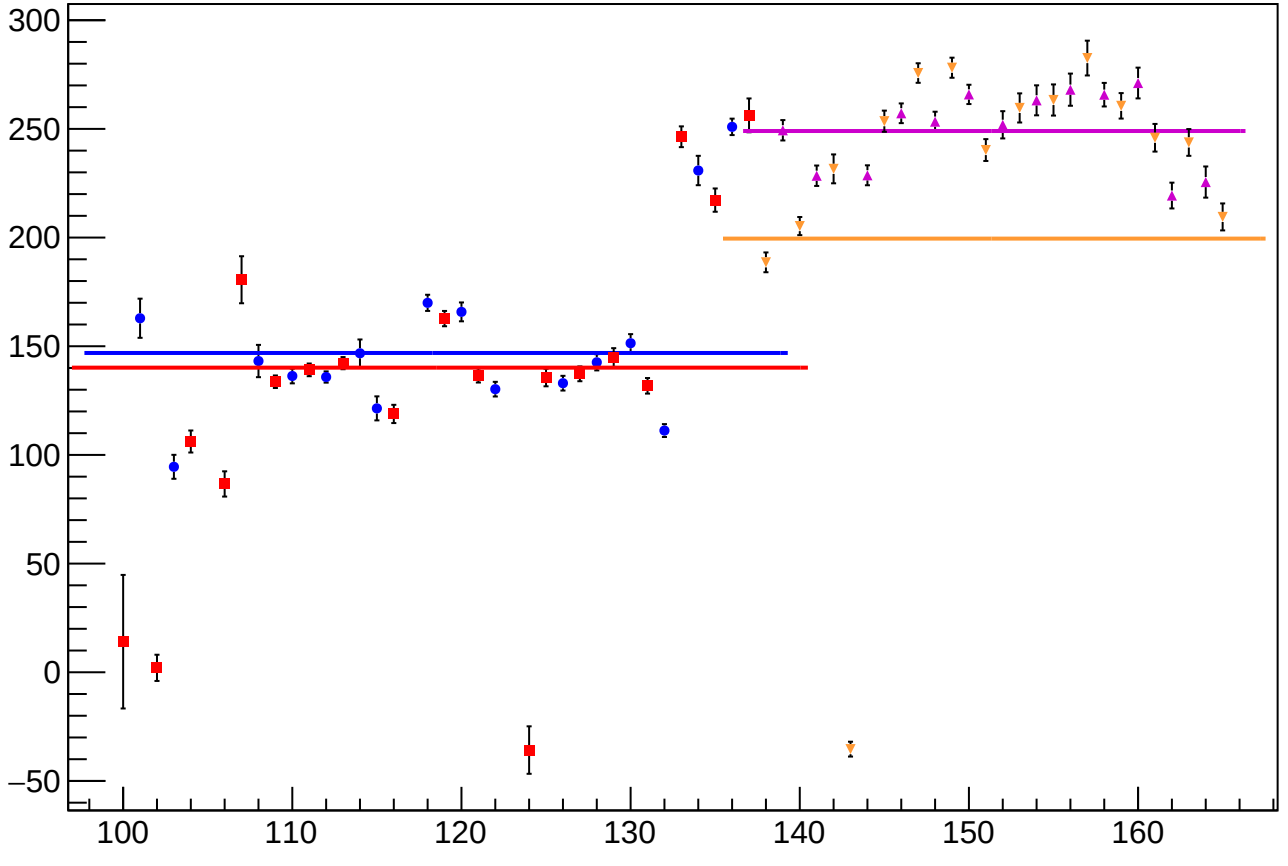
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.740+/-0.049 χ^2/NDF:285297.4/28

Out: -126.585+/-0.046 χ^2/NDF:1110751.3/33

All: -134.110+/-0.033 χ^2/NDF: 1454645.1/62

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.524+/-1.342 χ^2/NDF:5999.8/14

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 249.024+/-1.487 χ^2/NDF:123.4/12

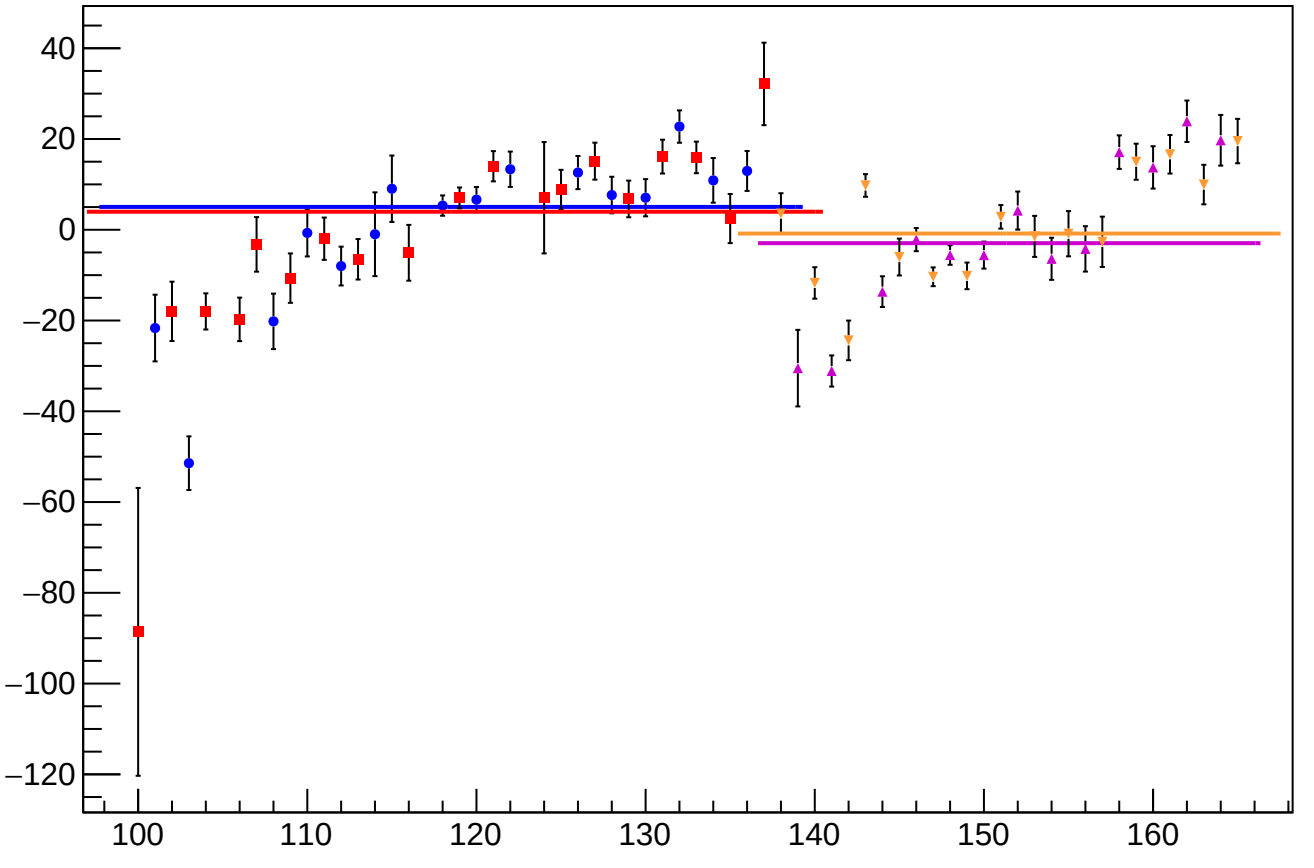
Left: 221.738+/-0.996 χ^2/NDF: 6734.0/27

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 178.847+/-0.832 χ^2/NDF:4665.9/28

Out: 160.255+/-0.781 χ^2/NDF:9245.3/33

All: 168.964+/-0.569 χ^2/NDF: 14176.8/62



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.833+/-0.898 χ^2/NDF:149.3/14

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -2.953+/-0.994 χ^2/NDF:187.2/12

Left: -1.786+/-0.666 χ^2/NDF: 338.9/27

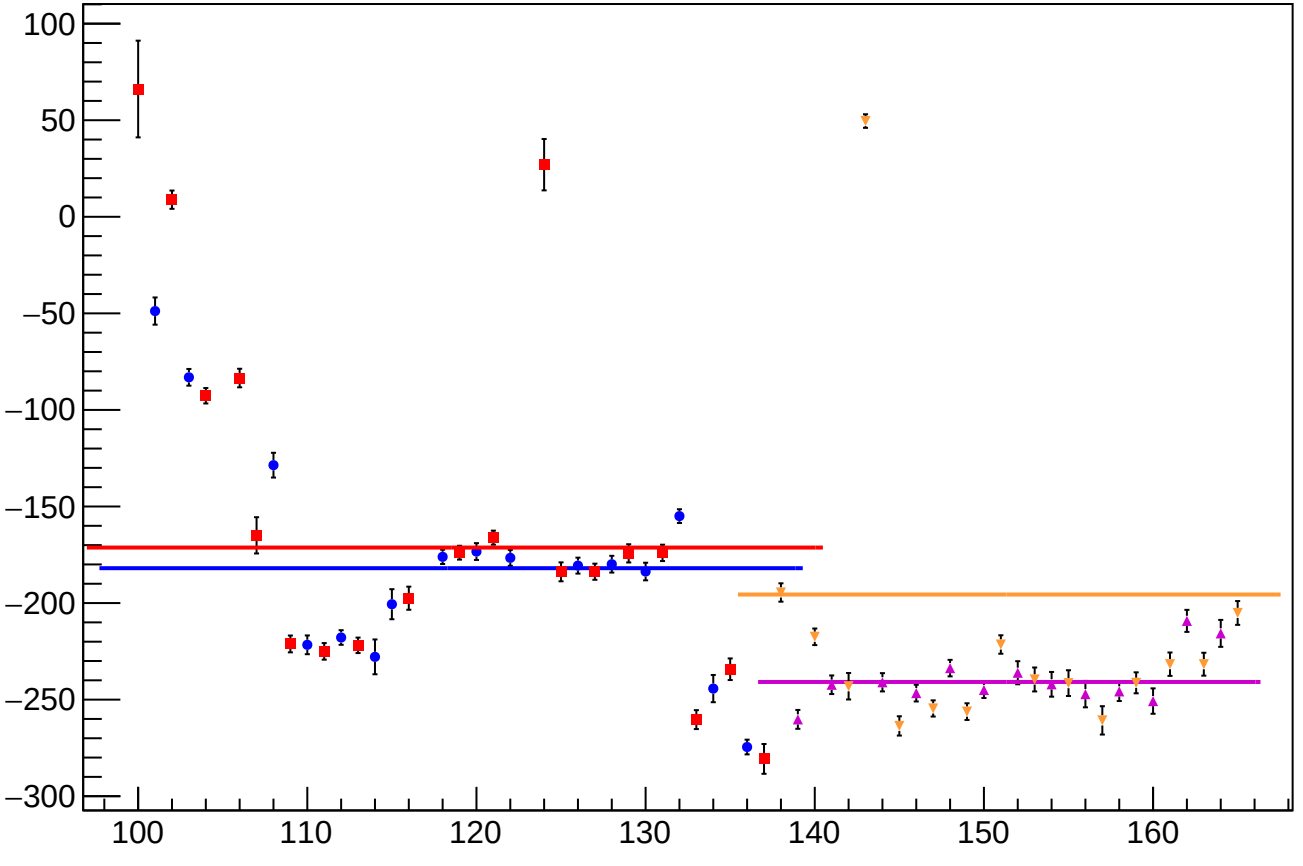
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 0.937+/-0.712 χ^2/NDF:390.5/28

Out: 1.285+/-0.672 χ^2/NDF:306.8/33

All: 1.121+/-0.489 χ^2/NDF: 697.4/62

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: -195.579+/-1.315 χ^2/NDF:5866.5/14

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -240.854+/-1.437 χ^2/NDF:69.9/12

Left: -216.204+/-0.970 χ^2/NDF: 6476.4/27

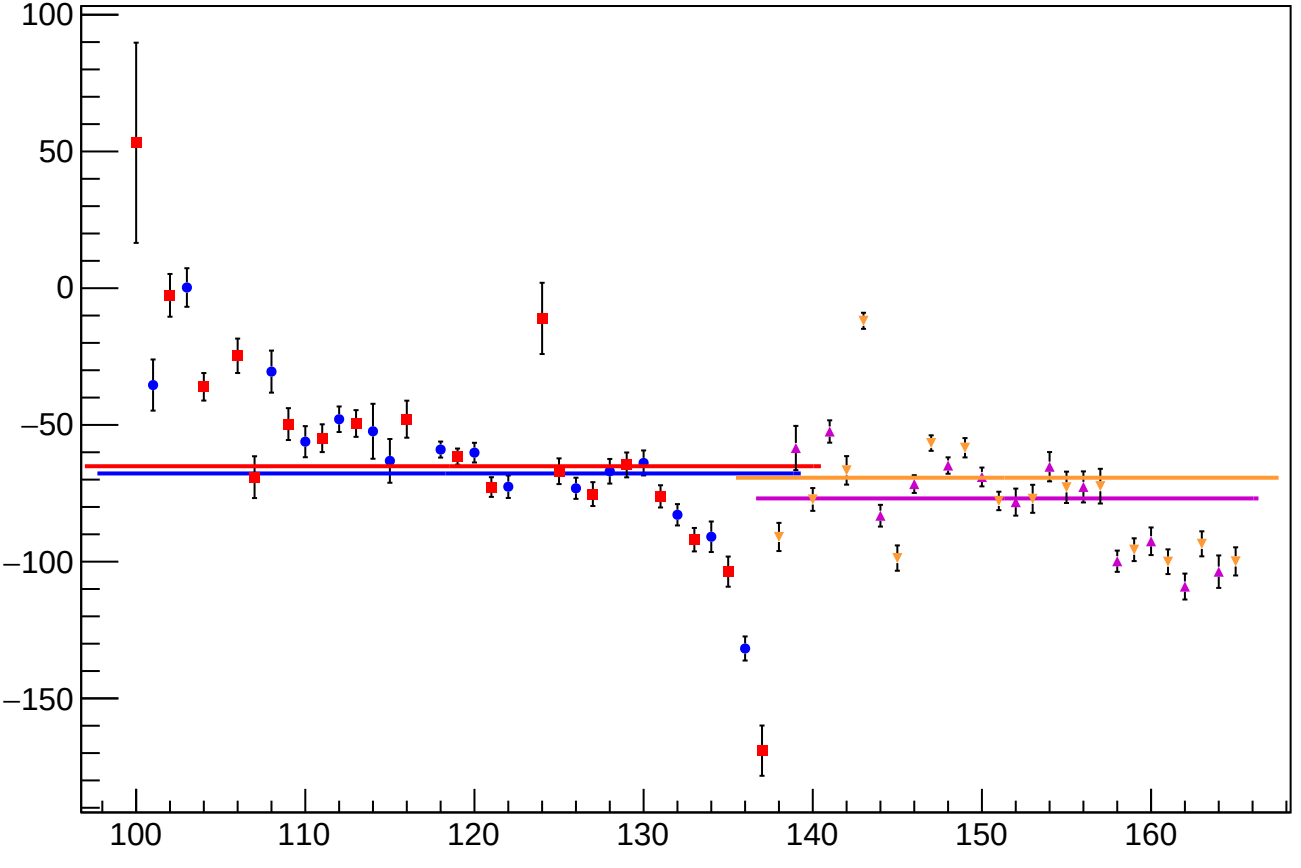
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -205.032+/-0.900 χ^2/NDF:2961.5/28

Out: -181.391+/-0.849 χ^2/NDF:9694.2/33

All: -192.520+/-0.617 χ^2/NDF: 13020.9/62

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -69.310+/-1.071 χ^2/NDF:631.0/14

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -76.877+/-1.183 χ^2/NDF:184.0/12

Left: -72.718+/-0.794 χ^2/NDF: 837.5/27

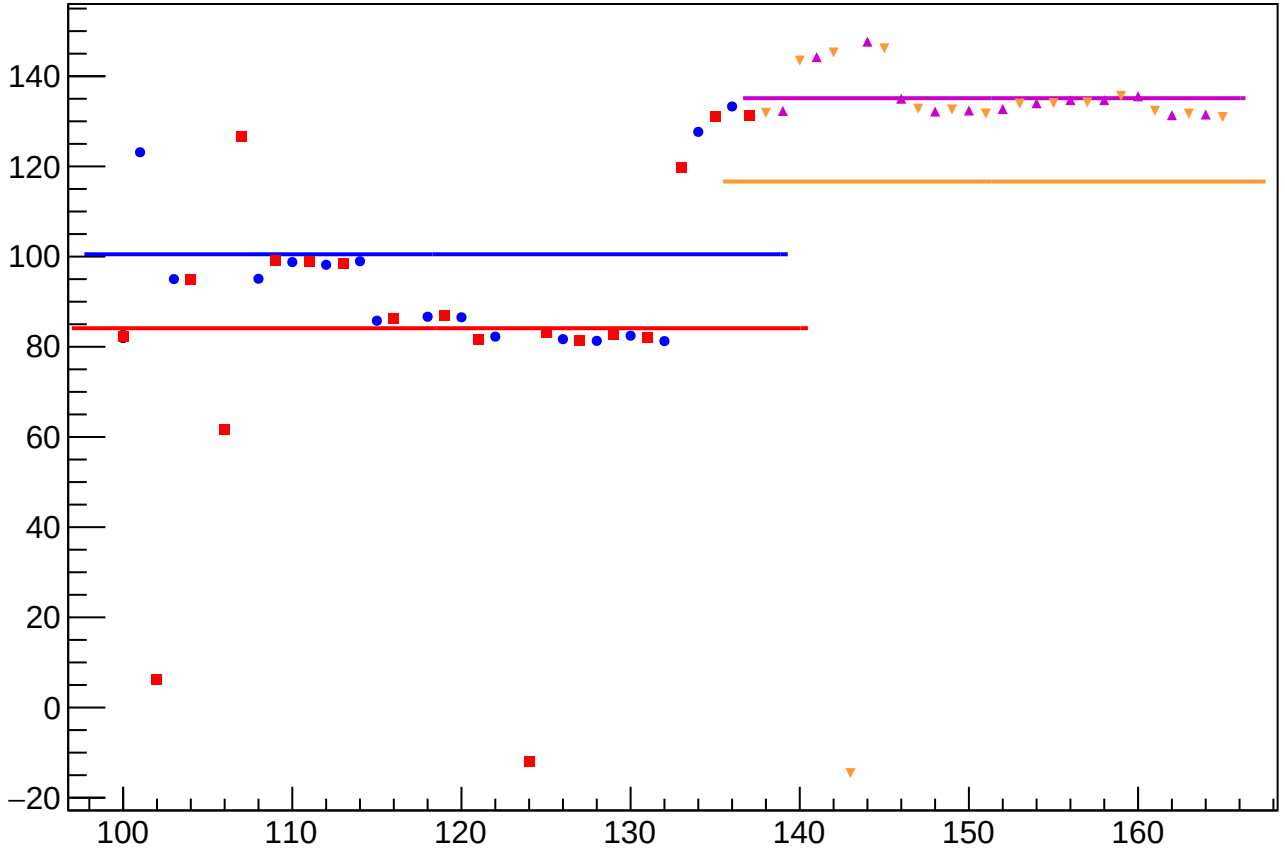
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -72.305+/-0.836 χ^2/NDF:627.9/28

Out: -67.387+/-0.789 χ^2/NDF:1067.1/33

All: -69.704+/-0.574 χ^2/NDF: 1713.3/62

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.648+/-0.051 χ^2/NDF:930485.3/14

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.129+/-0.055 χ^2/NDF:7125.5/12

Left: 125.261+/-0.038 χ^2/NDF: 997748.6/27

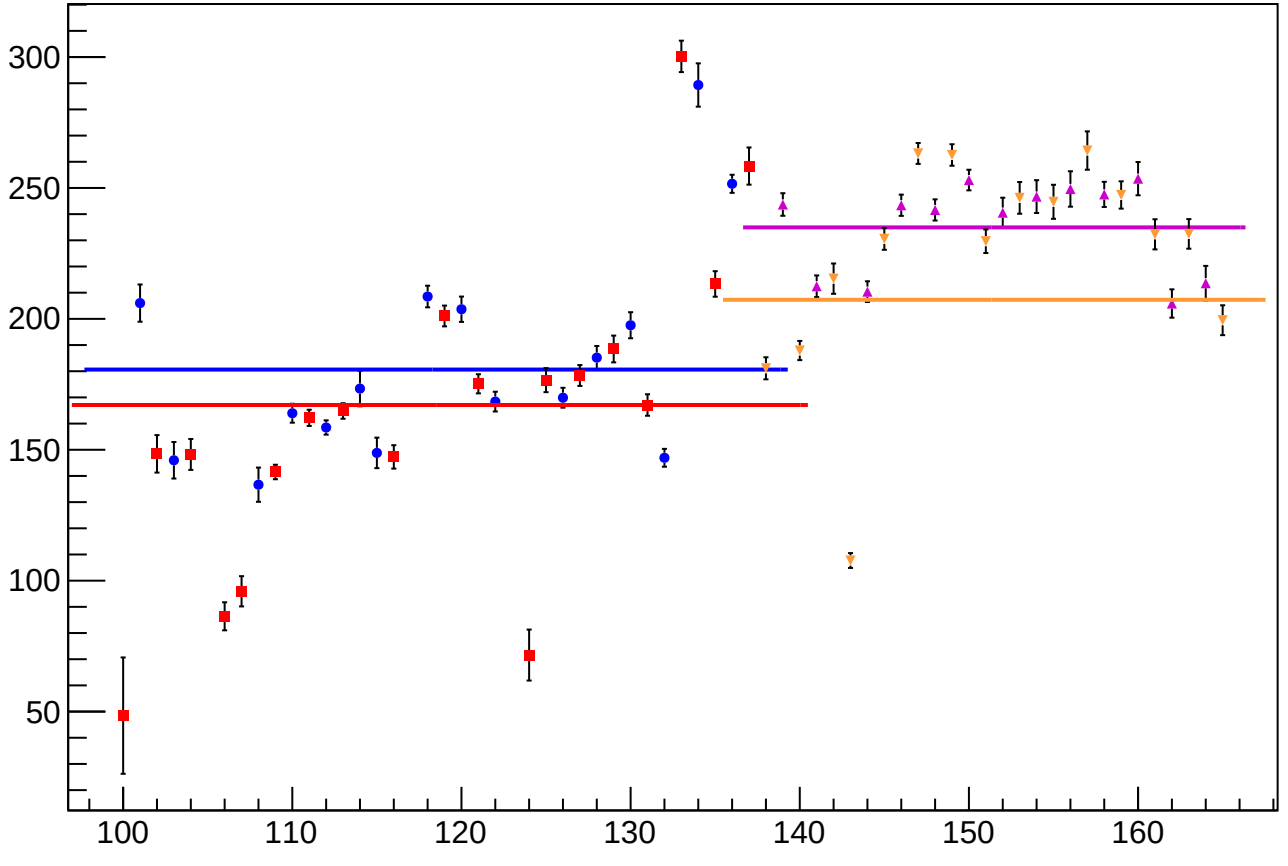
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 122.786+/-0.044 χ^2/NDF:215479.0/28

Out: 105.069+/-0.041 χ^2/NDF:1336591.0/33

All: 113.331+/-0.030 χ^2/NDF: 1637931.9/62

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: 207.286+/-1.185 χ^2/NDF:1964.7/14

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

Left: 219.530+/-0.885 χ^2/NDF: 2369.9/27

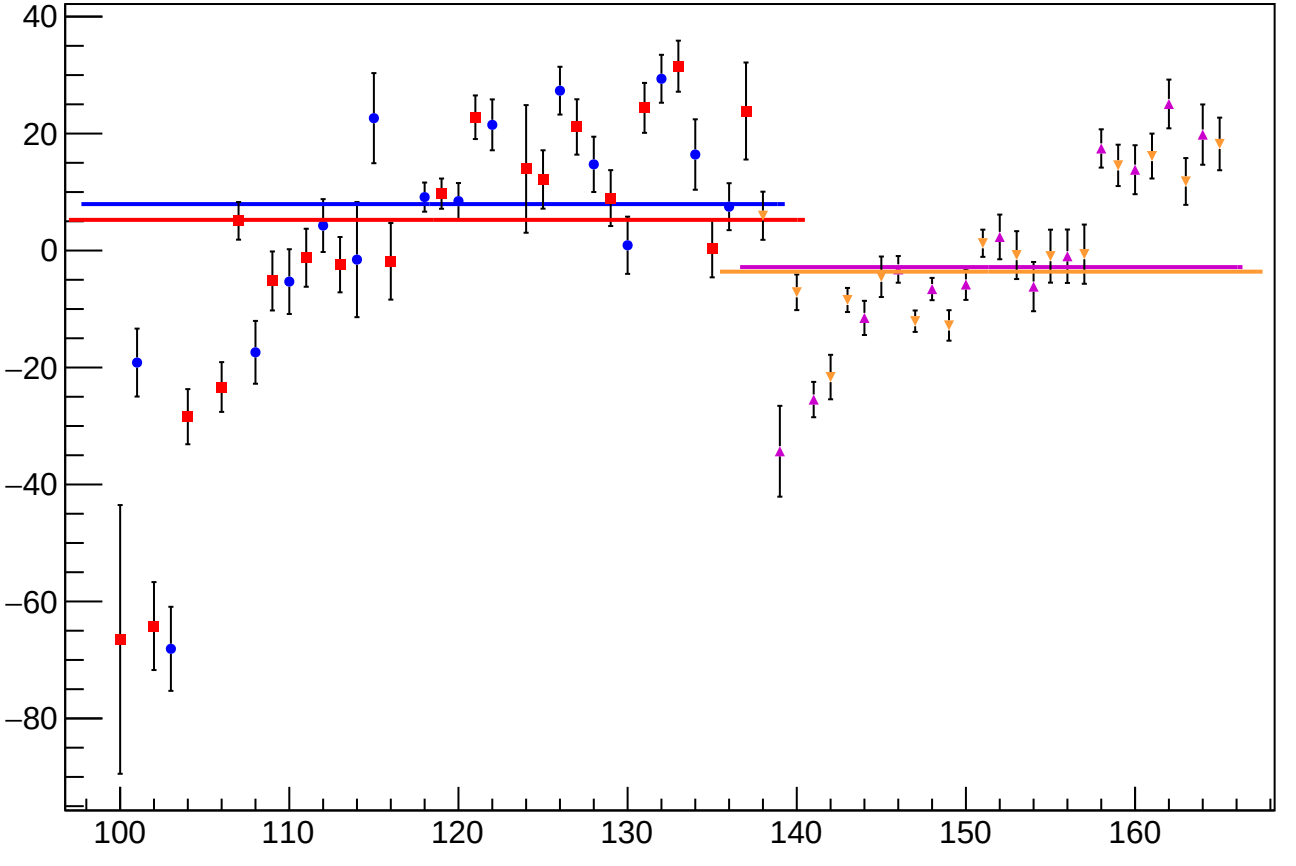
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.451+/-0.843 χ^2/NDF:2155.4/28

Out: 184.215+/-0.773 χ^2/NDF:4109.2/33

All: 192.552+/-0.570 χ^2/NDF: 6518.7/62

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: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

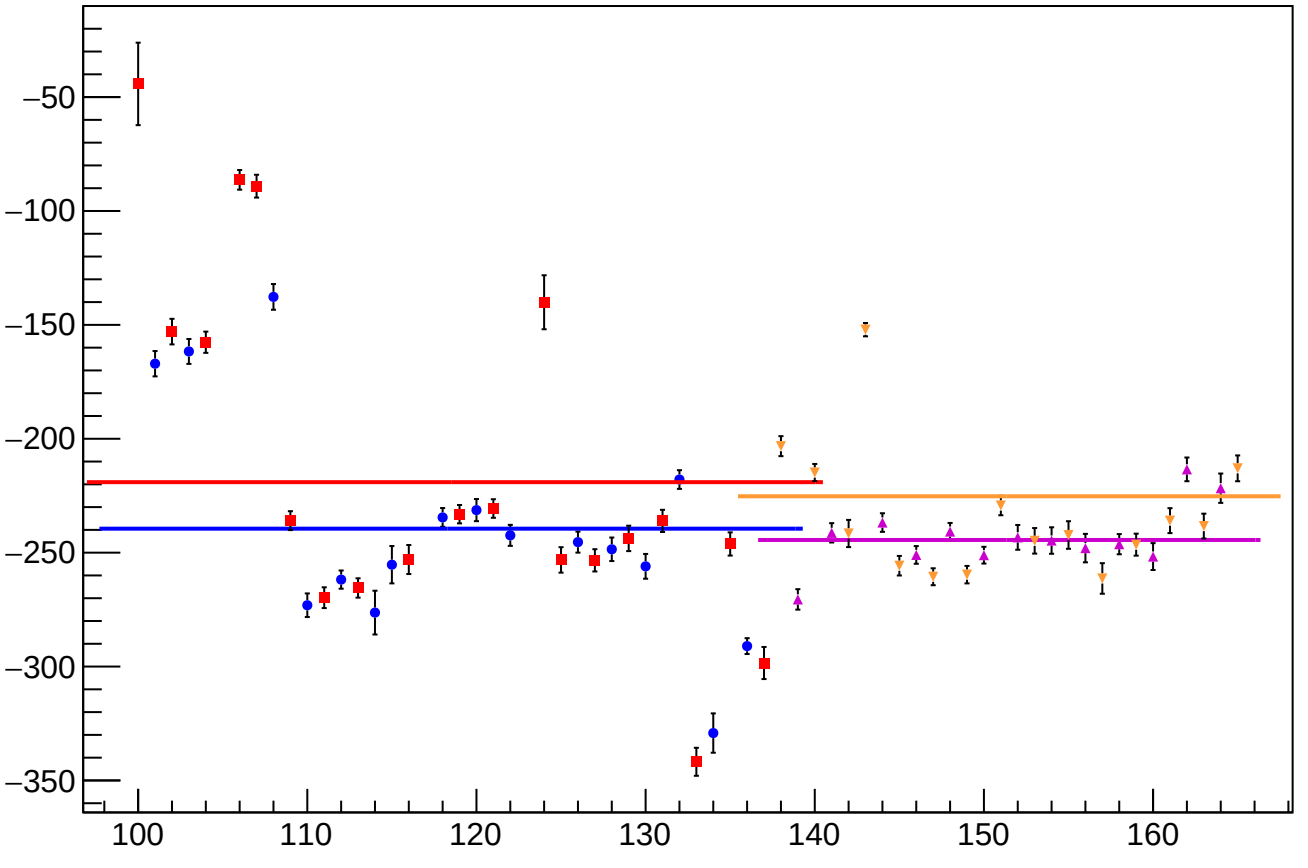
Left: -3.264+/-0.591 χ^2/NDF: 373.6/27

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

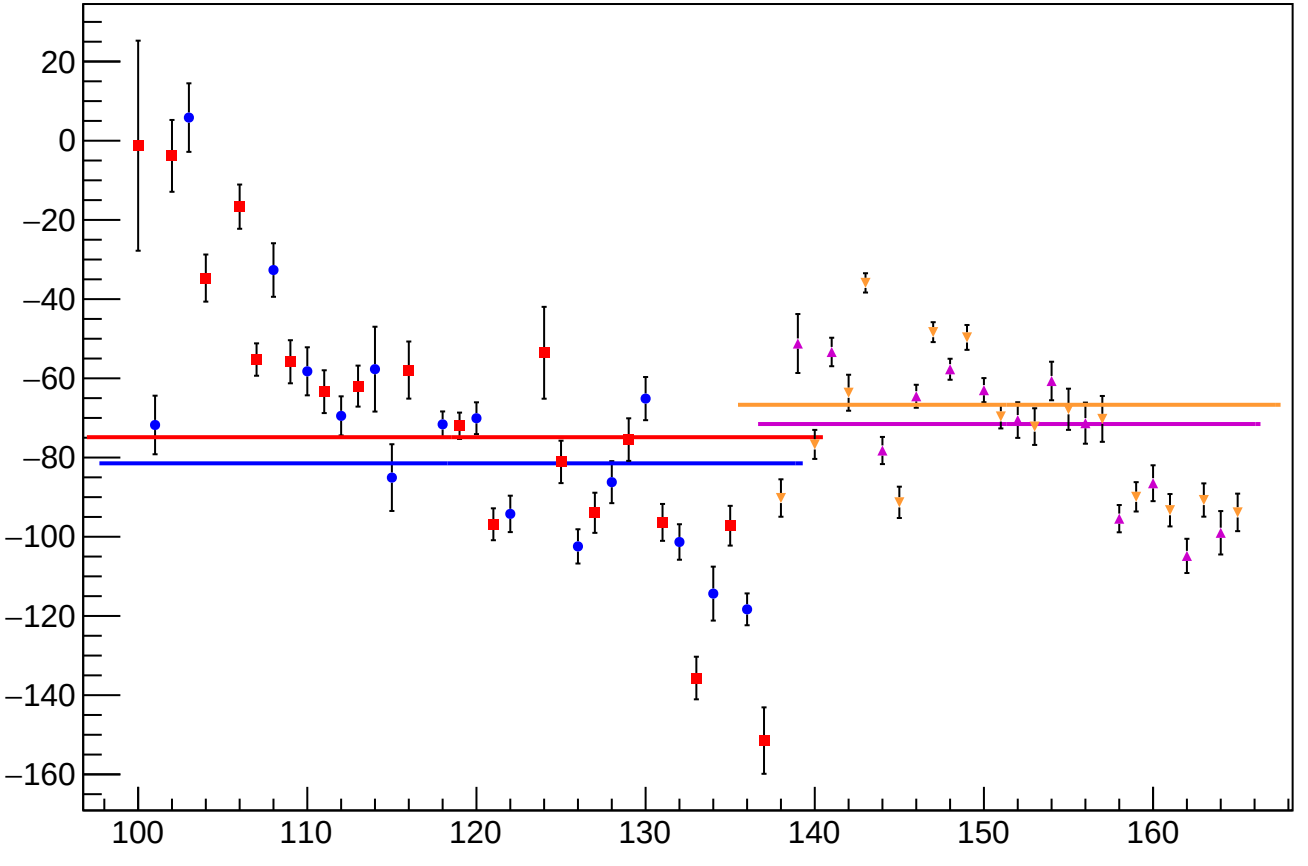
In: 1.348+/-0.693 χ^2/NDF:497.9/28

Out: -0.444+/-0.635 χ^2/NDF:513.1/33

All: 0.374+/-0.468 χ^2/NDF: 1014.6/62


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.250+/-1.163 χ²/NDF:971.2/14
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -244.431+/-1.286 χ²/NDF:94.9/12
Left: -233.884+/-0.863 χ²/NDF: 1188.5/27
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -241.871+/-0.895 χ²/NDF:1264.8/28
Out: -222.186+/-0.827 χ²/NDF:4034.6/33
All: -231.259+/-0.607 χ²/NDF: 5560.5/62

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: -66.679+/-0.946 χ^2/NDF:463.9/14

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

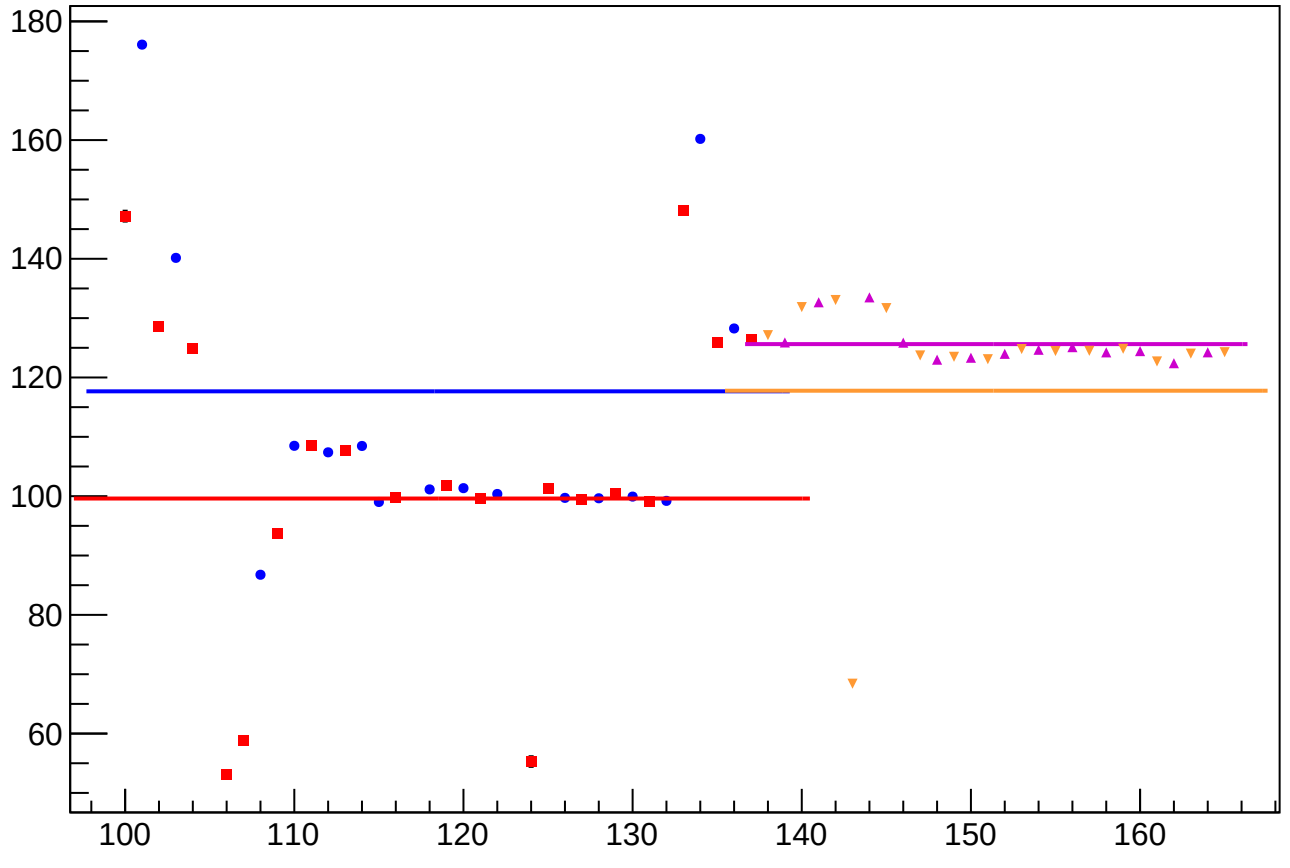
Left: -68.843+/-0.705 χ^2/NDF: 702.0/27

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.527+/-0.816 χ^2/NDF:628.4/28

Out: -69.720+/-0.750 χ^2/NDF:1068.3/33

All: -72.379+/-0.552 χ^2/NDF: 1724.2/62



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

Left: 121.392+/-0.034 χ^2/NDF: 214643.3/27

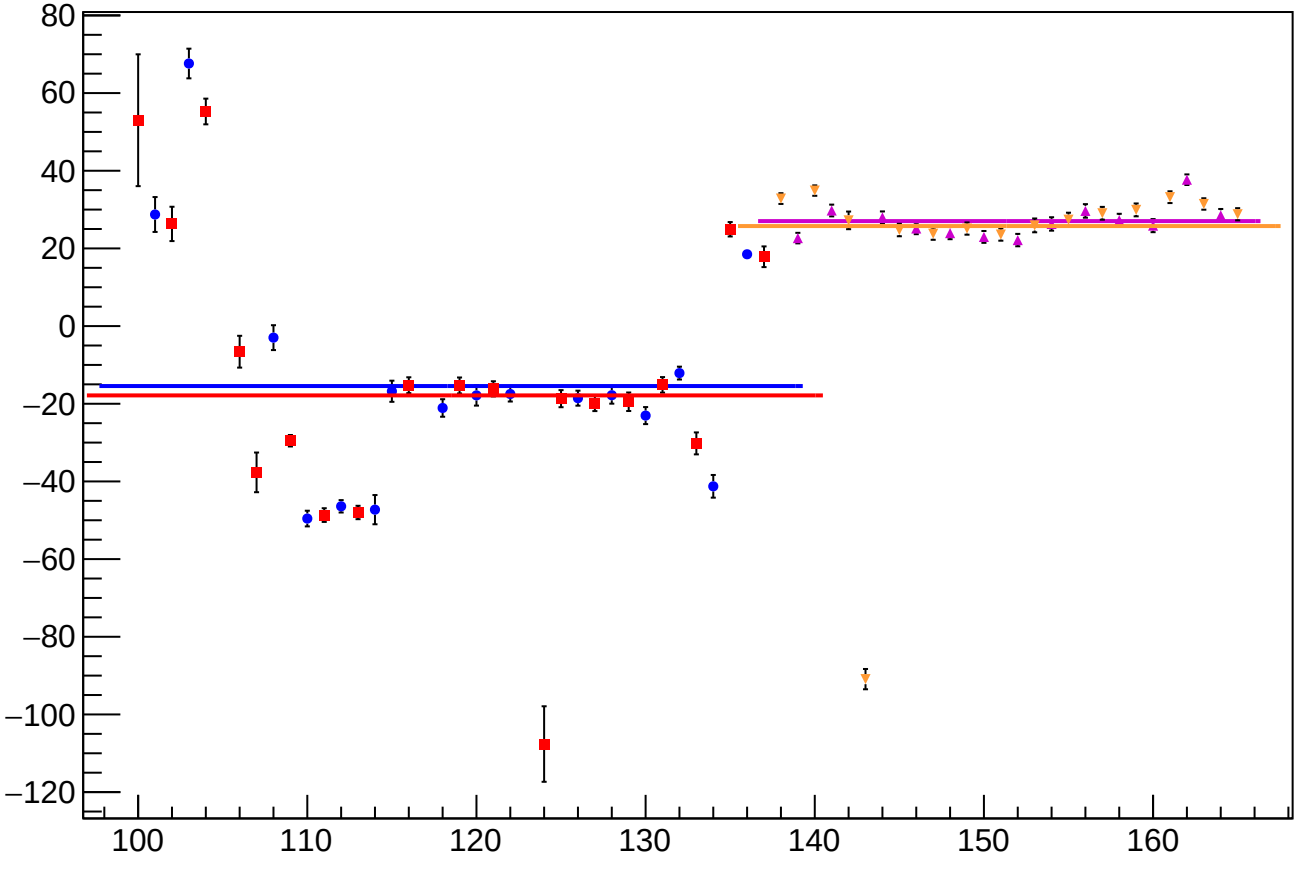
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.357+/-0.042 χ^2/NDF:107359.4/28

Out: 112.376+/-0.038 χ^2/NDF:409621.0/33

All: 117.394+/-0.028 χ^2/NDF: 554533.4/62

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: 25.756+/-0.420 χ^2/NDF:2125.2/14

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

Left: 26.379+/-0.301 χ^2/NDF: 2230.8/27

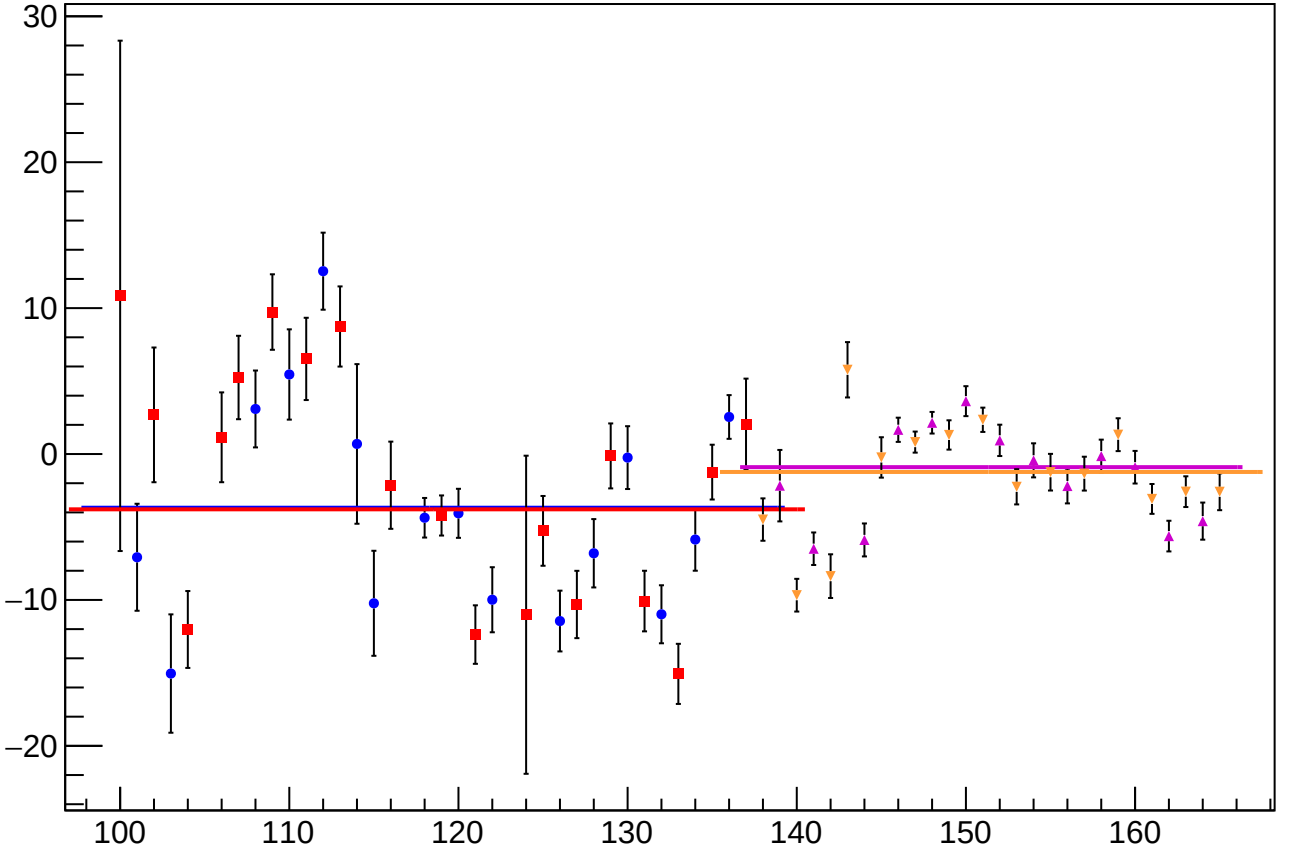
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 10.483+/-0.337 χ^2/NDF:6014.3/28

Out: 8.931+/-0.329 χ^2/NDF:8413.1/33

All: 9.690+/-0.235 χ^2/NDF: 14438.2/62

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: -1.229+/-0.286 χ^2/NDF:143.5/14

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.899+/-0.296 χ^2/NDF:124.2/12

Left: -1.070+/-0.206 χ^2/NDF: 268.3/27

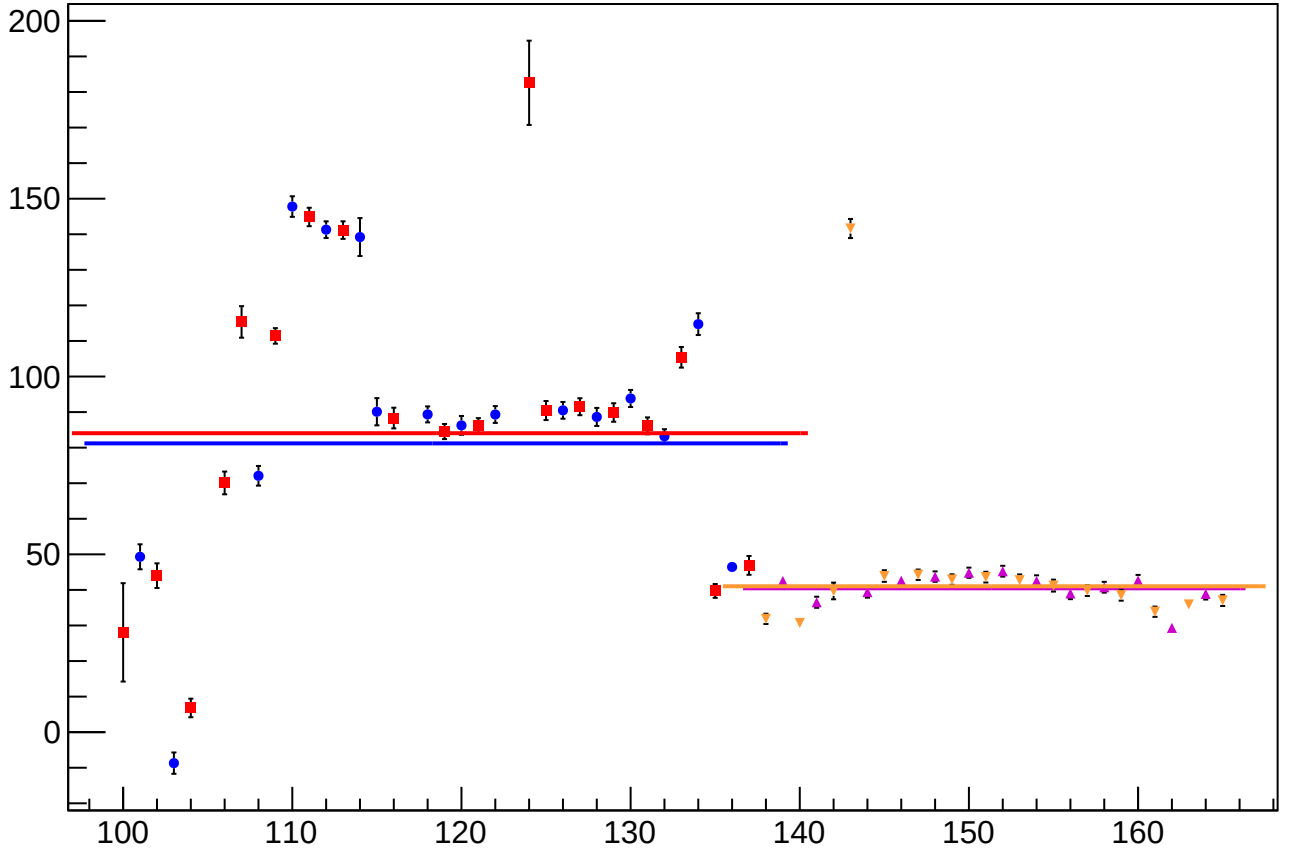
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.521+/-0.261 χ^2/NDF:267.9/28

Out: -1.754+/-0.255 χ^2/NDF:321.1/33

All: -1.640+/-0.182 χ^2/NDF: 589.4/62

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: 41.025+/-0.407 χ^2/NDF:1559.1/14

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

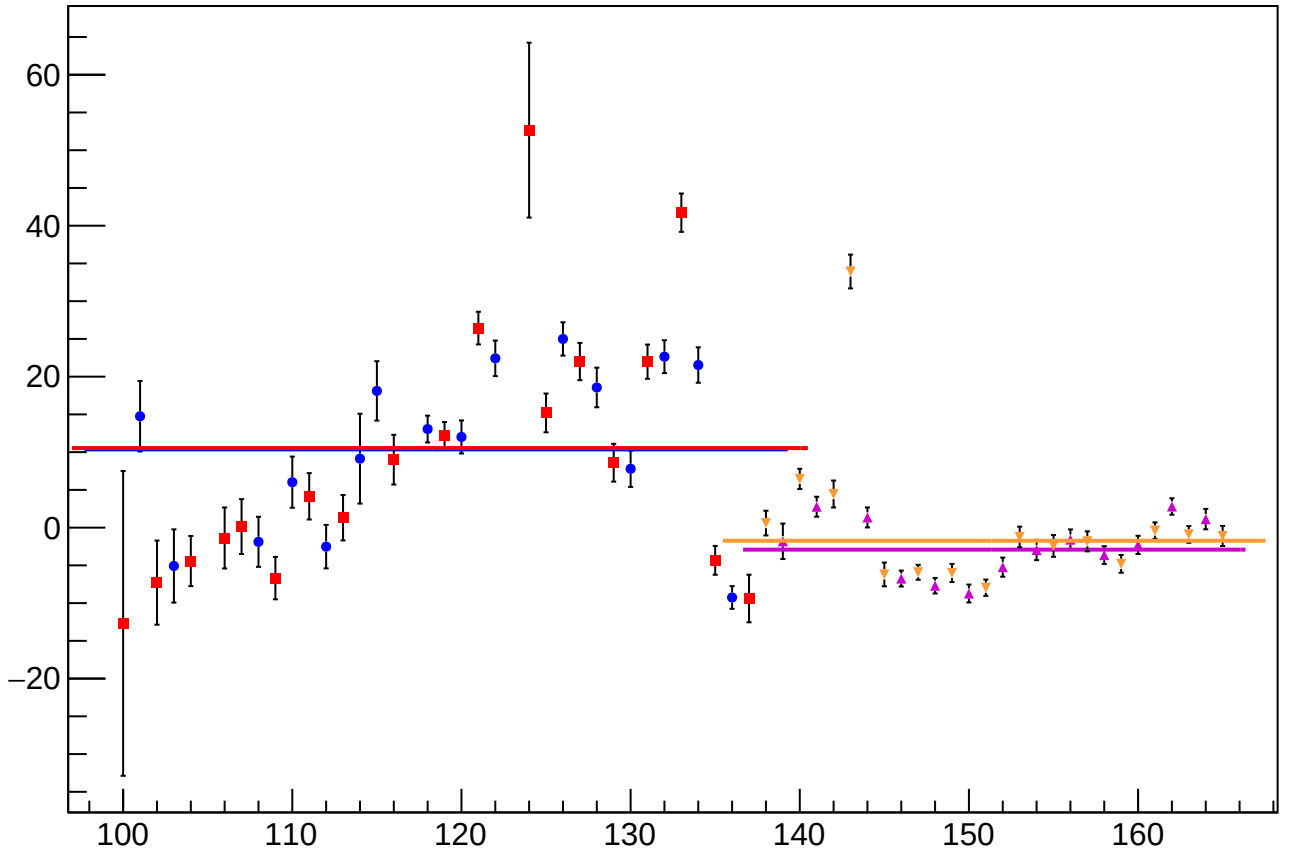
Left: 40.744+/-0.291 χ^2/NDF: 1673.2/27

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

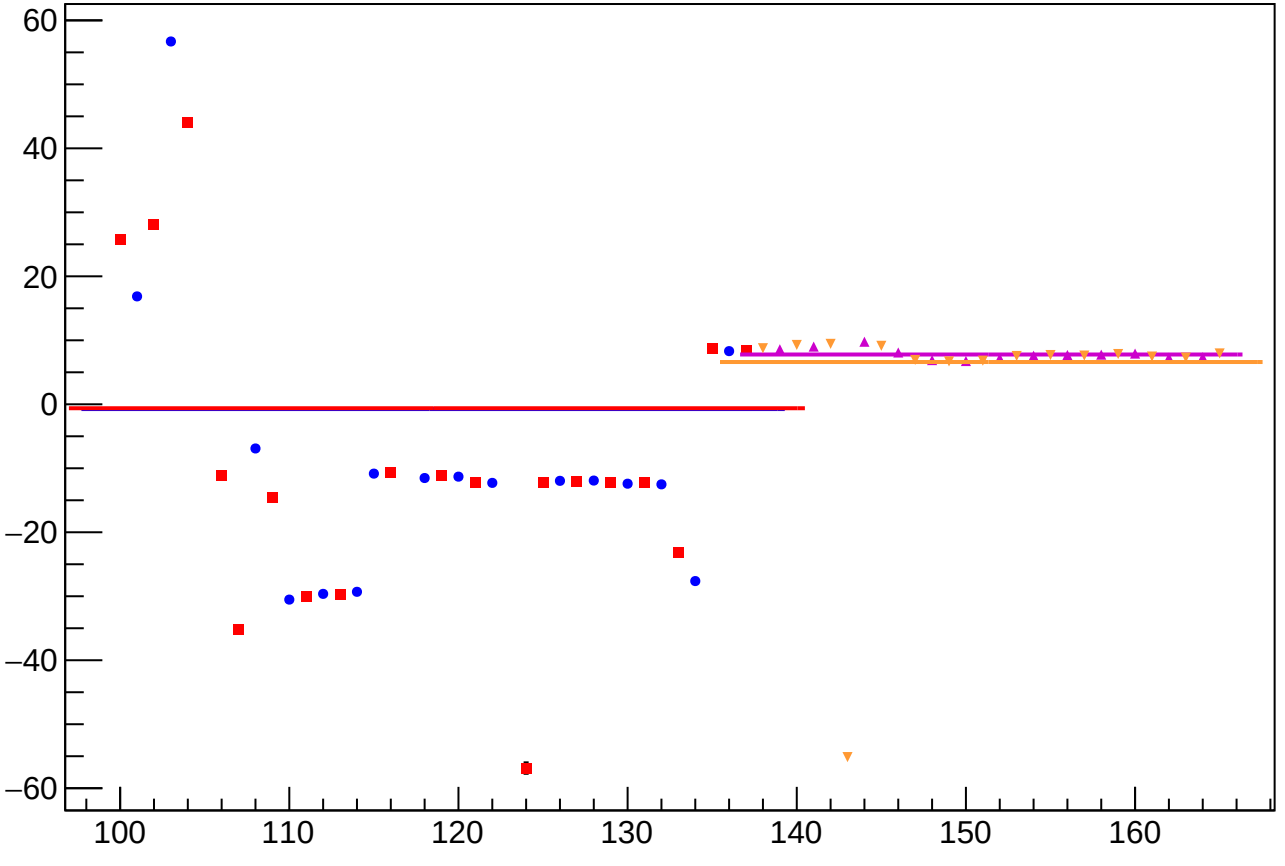
In: 53.444+/-0.343 χ^2/NDF:6413.4/28

Out: 54.092+/-0.340 χ^2/NDF:8162.3/33

All: 53.771+/-0.241 χ^2/NDF: 14577.5/62


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.739+/-0.334 χ²/NDF:385.7/14
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.916+/-0.345 χ²/NDF:129.2/12
Left: -2.308+/-0.240 χ²/NDF: 520.9/27
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.179+/-0.302 χ²/NDF:833.7/28
Out: 0.890+/-0.296 χ²/NDF:1145.5/33
All: 0.542+/-0.212 χ²/NDF: 1982.0/62

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.607+/-0.015 χ^2/NDF:313660.3/14

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

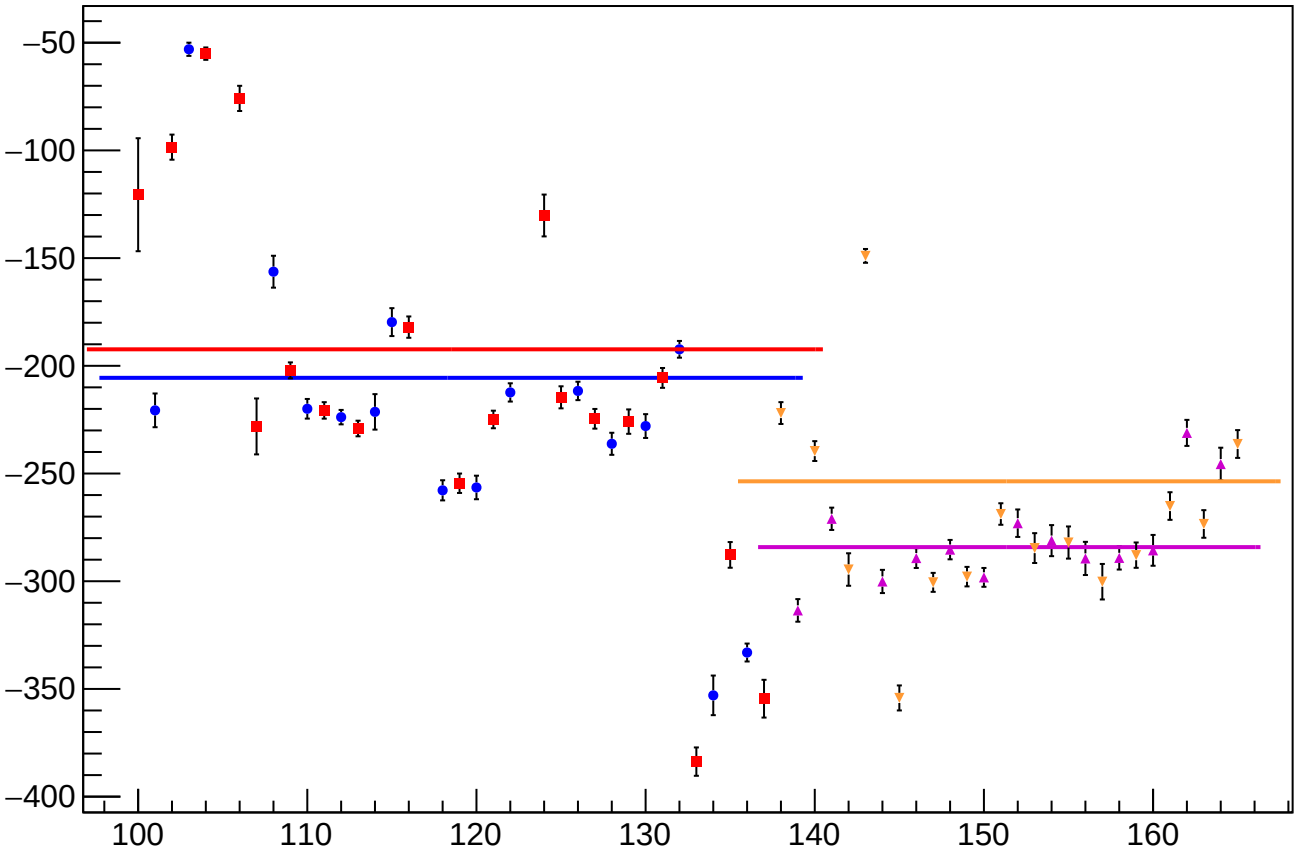
Left: 7.185+/-0.011 χ^2/NDF: 318837.8/27

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.431+/-0.014 χ^2/NDF:417807.6/28

Out: 5.563+/-0.014 χ^2/NDF:662197.5/33

All: 5.994+/-0.010 χ^2/NDF: 1081864.1/62



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -253.620+/-1.379 χ^2/NDF:1780.5/14

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -284.161+/-1.551 χ^2/NDF:165.5/12

Left: -267.106+/-1.030 χ^2/NDF: 2162.6/27

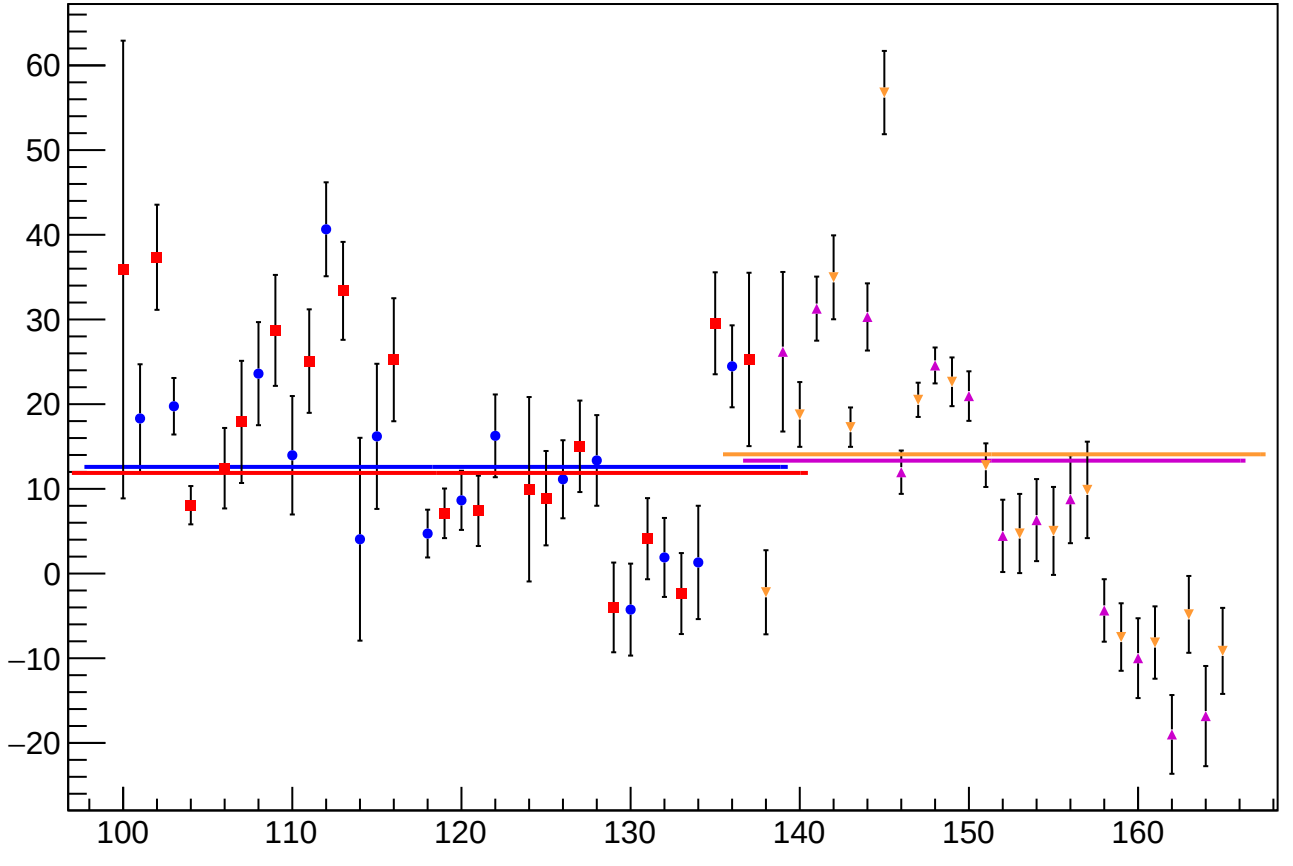
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.545+/-0.941 χ^2/NDF:5843.3/28

Out: -216.769+/-0.871 χ^2/NDF:7938.1/33

All: -224.963+/-0.639 χ^2/NDF: 13973.6/62

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 14.079+/-0.909 χ^2/NDF:228.8/14

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 13.330+/-1.018 χ^2/NDF:206.8/12

Left: 13.747+/-0.678 χ^2/NDF: 435.9/27

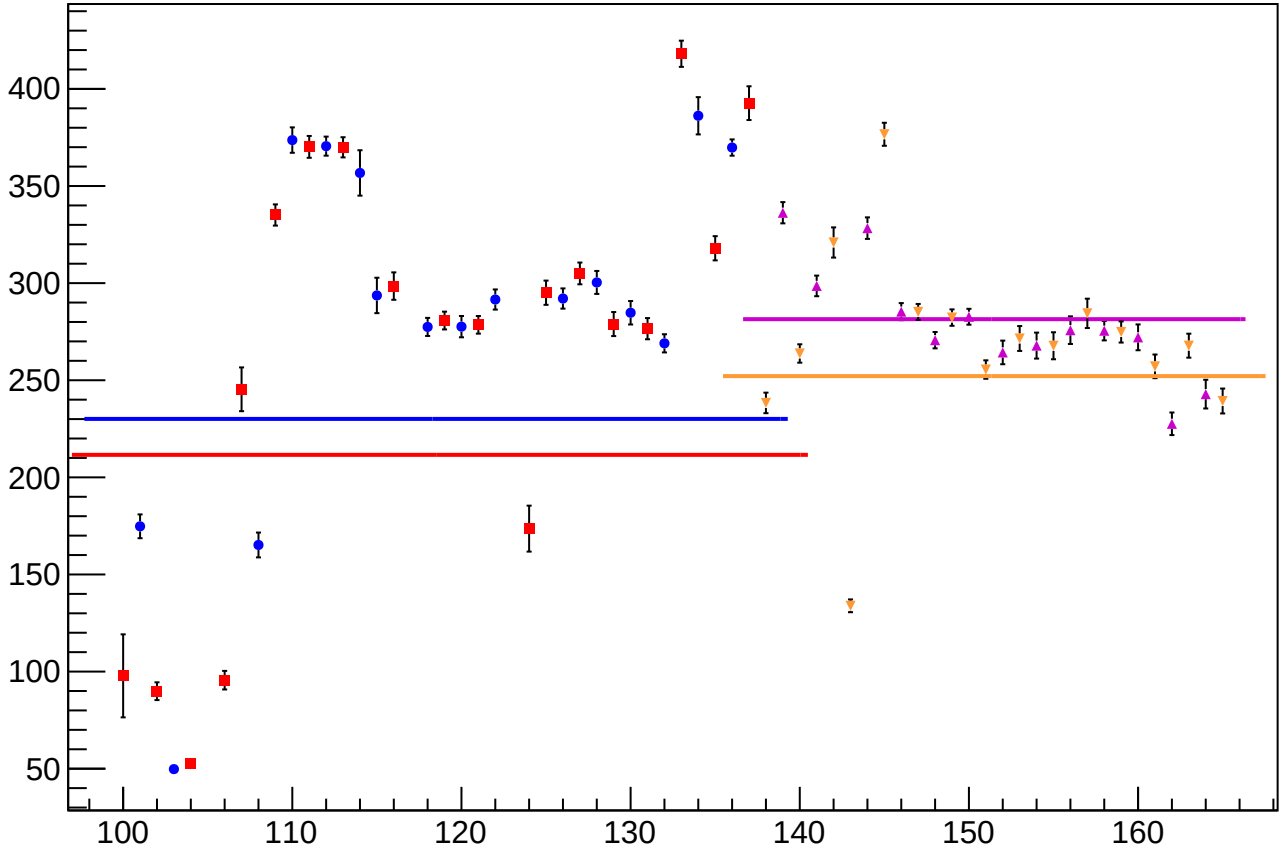
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 13.022+/-0.777 χ^2/NDF:275.5/28

Out: 13.208+/-0.706 χ^2/NDF:316.1/33

All: 13.124+/-0.523 χ^2/NDF: 591.6/62

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: 252.131+/-1.348 χ^2/NDF:1995.5/14

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 281.445+/-1.492 χ^2/NDF:319.0/12

Left: 265.299+/-1.000 χ^2/NDF: 2527.0/27

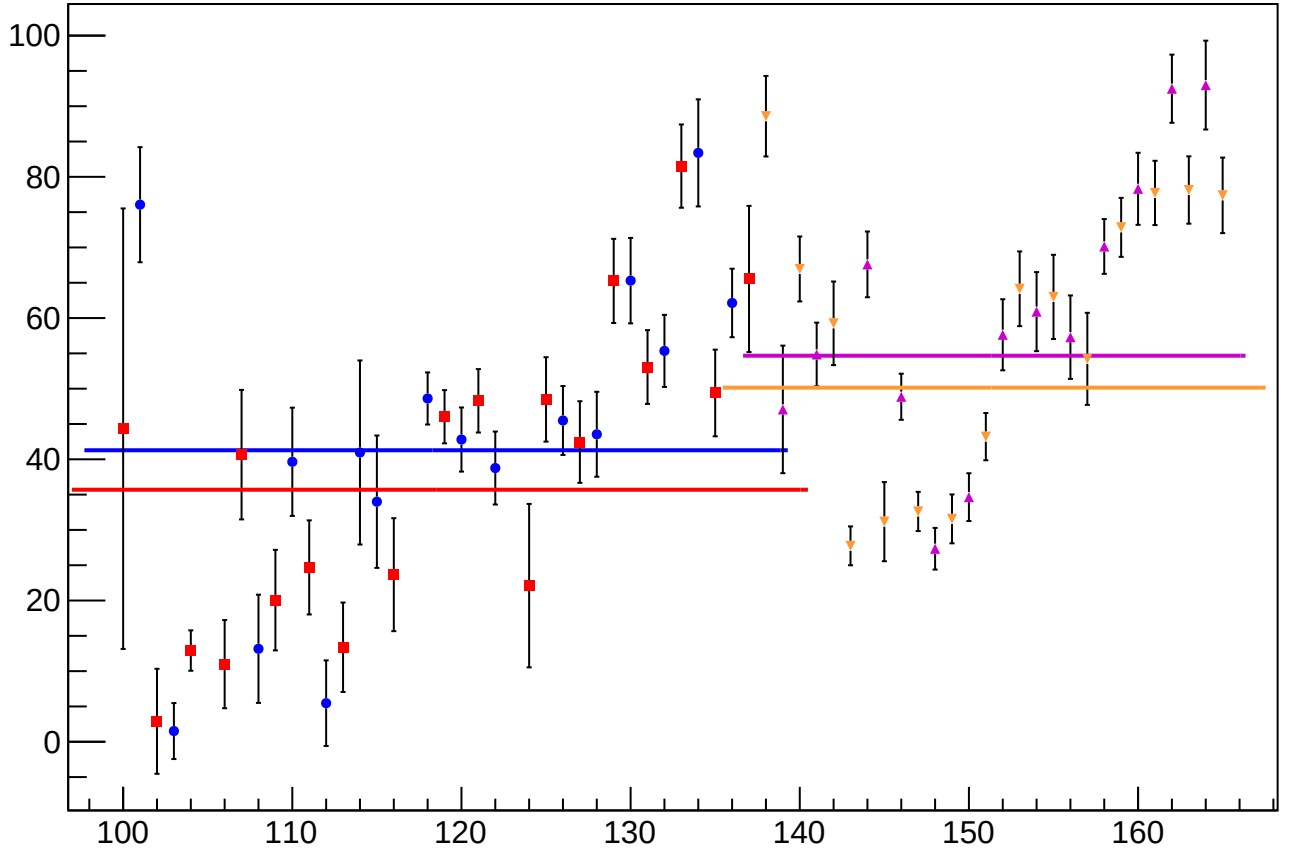
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 251.461+/-0.963 χ^2/NDF:10386.1/28

Out: 229.441+/-0.894 χ^2/NDF:13974.3/33

All: 239.642+/-0.655 χ^2/NDF: 24641.3/62

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 50.146+/-1.088 χ^2/NDF:350.7/14

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 54.669+/-1.216 χ^2/NDF:270.0/12

Left: 52.157+/-0.811 χ^2/NDF: 628.3/27

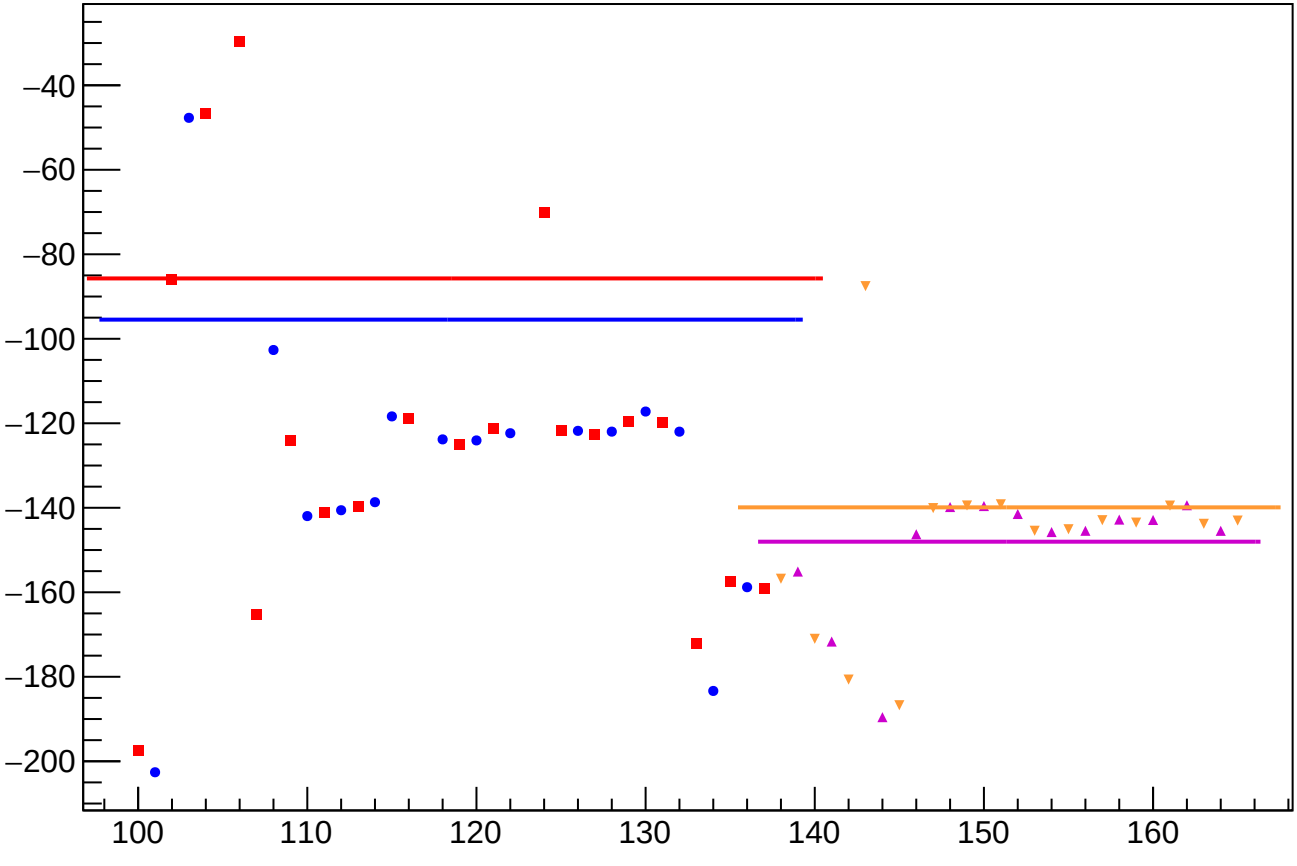
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 48.902+/-0.917 χ^2/NDF:568.0/28

Out: 44.284+/-0.839 χ^2/NDF:675.4/33

All: 46.387+/-0.619 χ^2/NDF: 1257.3/62

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.900+/-0.053 χ^2/NDF:231488.6/14

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -148.028+/-0.057 χ^2/NDF:50160.0/12

Left: -143.649+/-0.039 χ^2/NDF: 292570.5/27

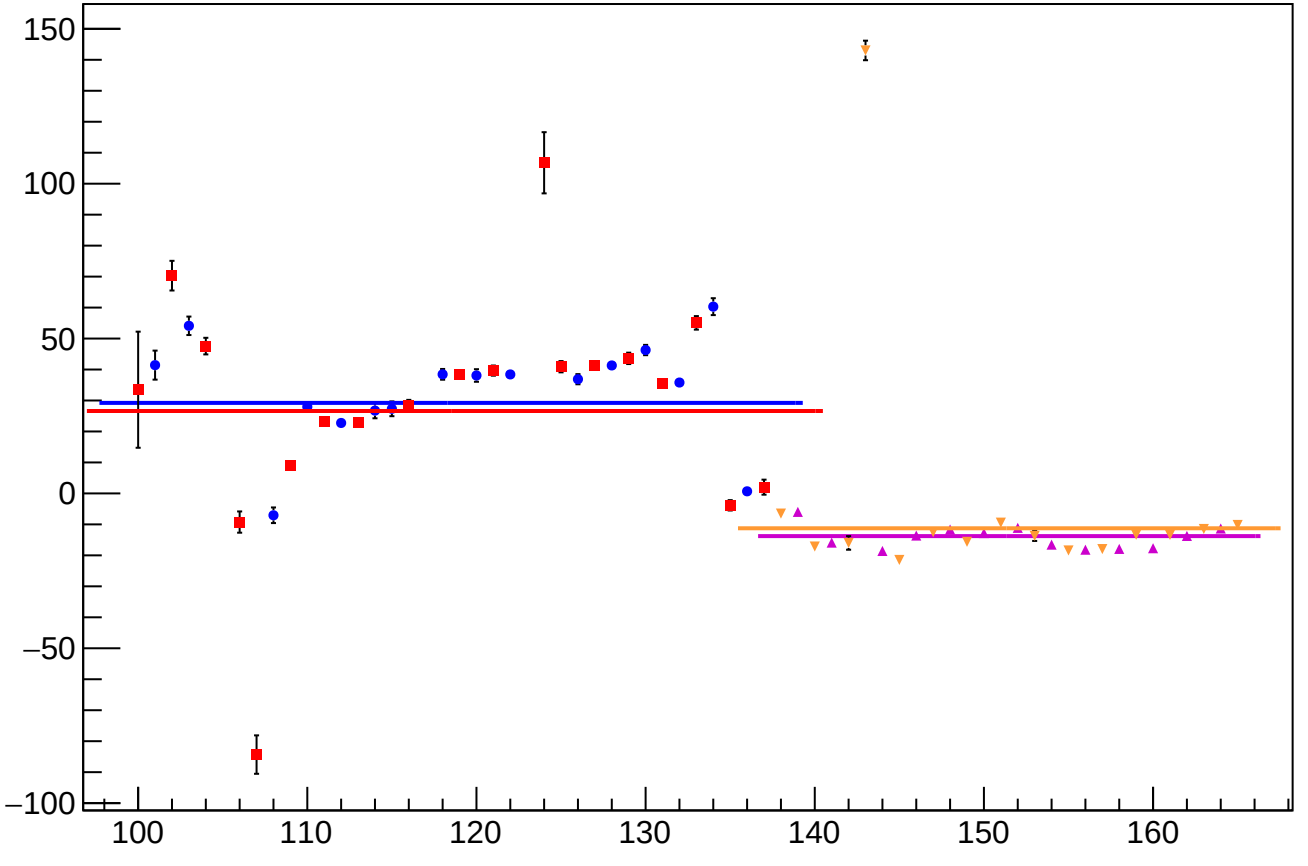
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -126.836+/-0.044 χ^2/NDF:911911.2/28

Out: -119.111+/-0.041 χ^2/NDF:1117784.5/33

All: -122.736+/-0.030 χ^2/NDF: 2045979.7/62

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: -11.257+/-0.394 χ^2/NDF:2530.3/14

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

Left: -12.492+/-0.281 χ^2/NDF: 2635.6/27

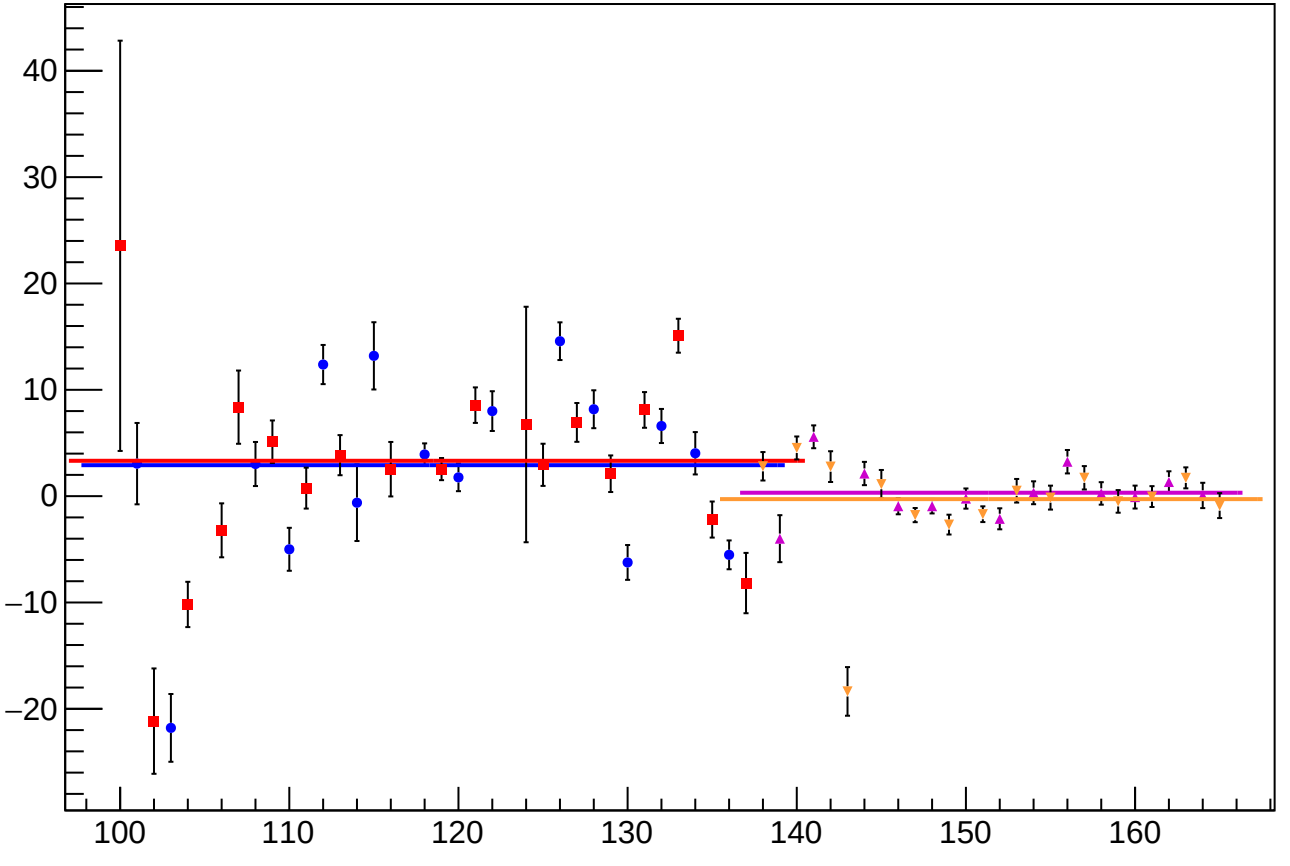
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 6.597+/-0.292 χ^2/NDF:6836.1/28

Out: 6.718+/-0.285 χ^2/NDF:8843.4/33

All: 6.659+/-0.204 χ^2/NDF: 15679.6/62

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: -0.280+/-0.267 χ^2/NDF:117.0/14

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.321+/-0.277 χ^2/NDF:51.4/12

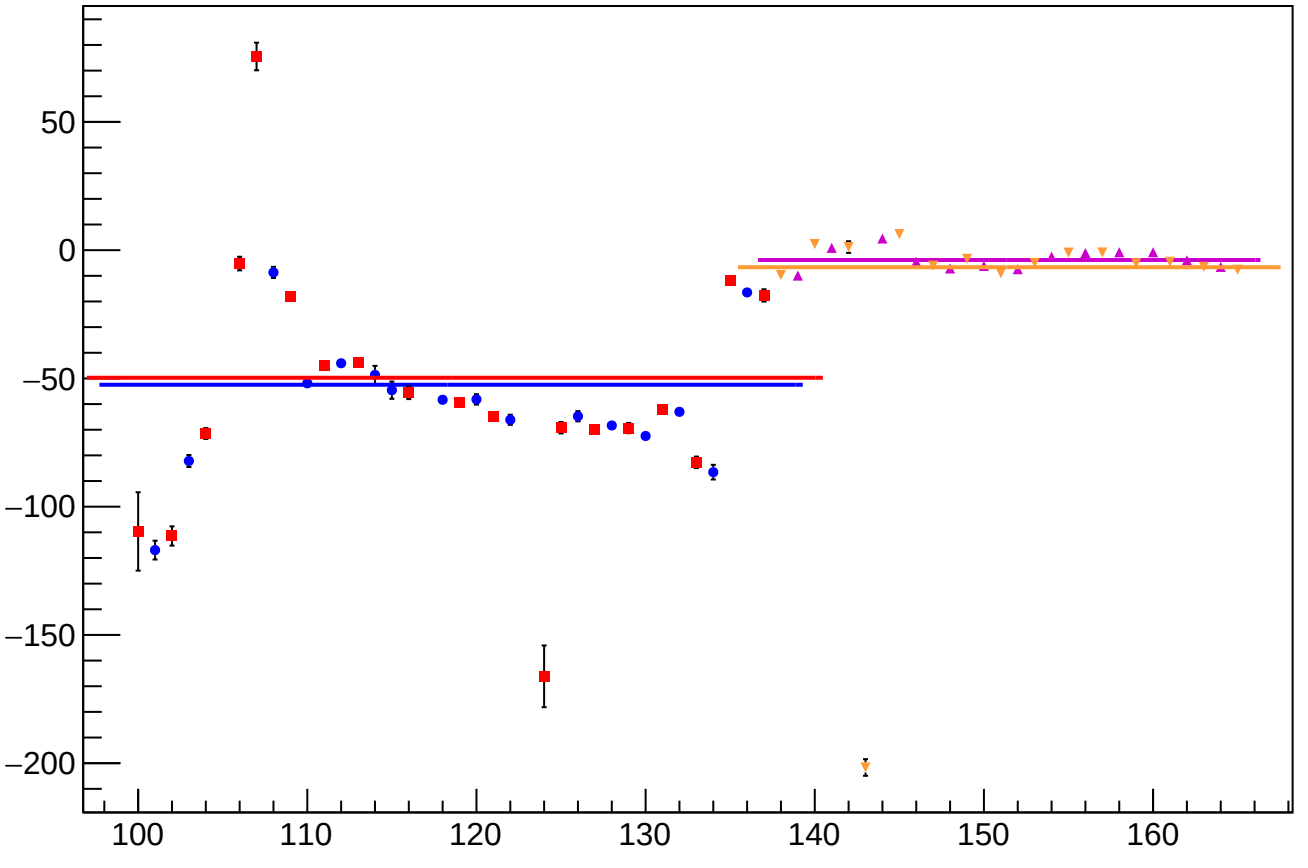
Left: 0.010+/-0.192 χ^2/NDF: 170.8/27

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.051+/-0.235 χ^2/NDF:326.0/28

Out: 0.651+/-0.230 χ^2/NDF:345.6/33

All: 0.847+/-0.164 χ^2/NDF: 673.1/62



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.653+/-0.381 χ^2/NDF:3788.2/14

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

Left: -5.270+/-0.272 χ^2/NDF: 3909.6/27

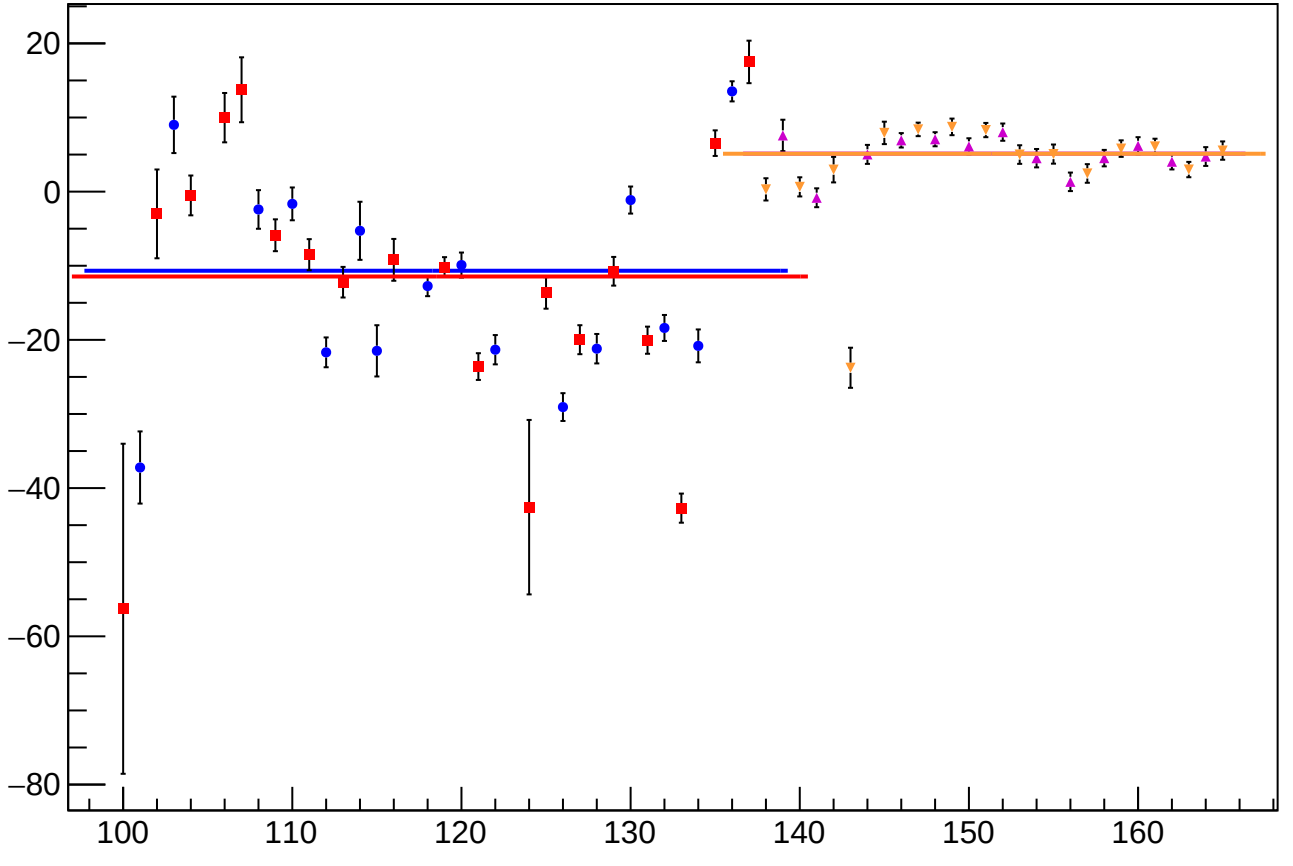
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.690+/-0.304 χ^2/NDF:8510.9/28

Out: -22.726+/-0.302 χ^2/NDF:11564.9/33

All: -22.708+/-0.214 χ^2/NDF: 20075.8/62

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.112+/-0.313 χ^2/NDF:185.8/14

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

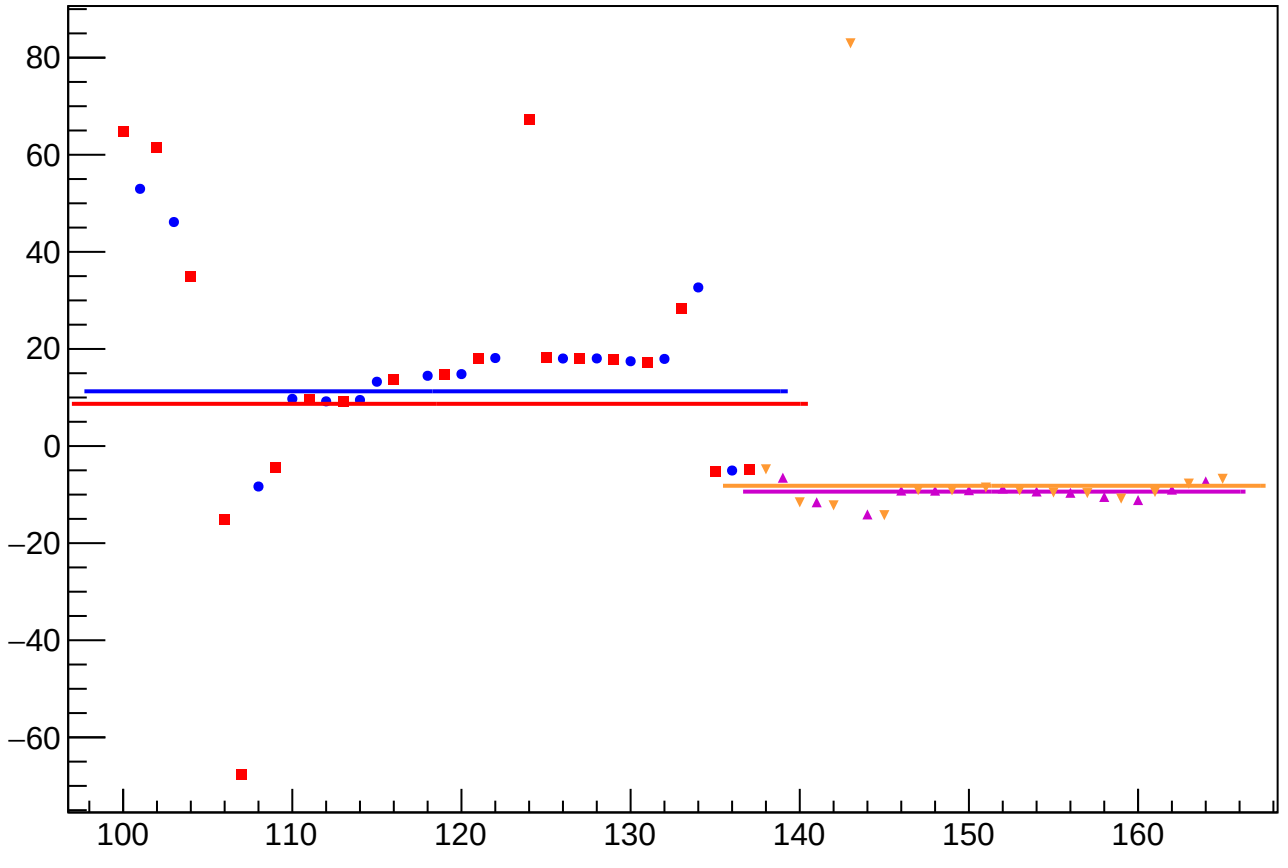
Left: 5.120+/-0.225 χ^2/NDF: 235.4/27

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.539+/-0.272 χ^2/NDF:1409.7/28

Out: 0.660+/-0.268 χ^2/NDF:1604.7/33

All: 0.601+/-0.191 χ^2/NDF: 3014.5/62



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.179+/-0.014 χ^2/NDF:481001.0/14

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

Left: -8.776+/-0.010 χ^2/NDF: 497742.1/27

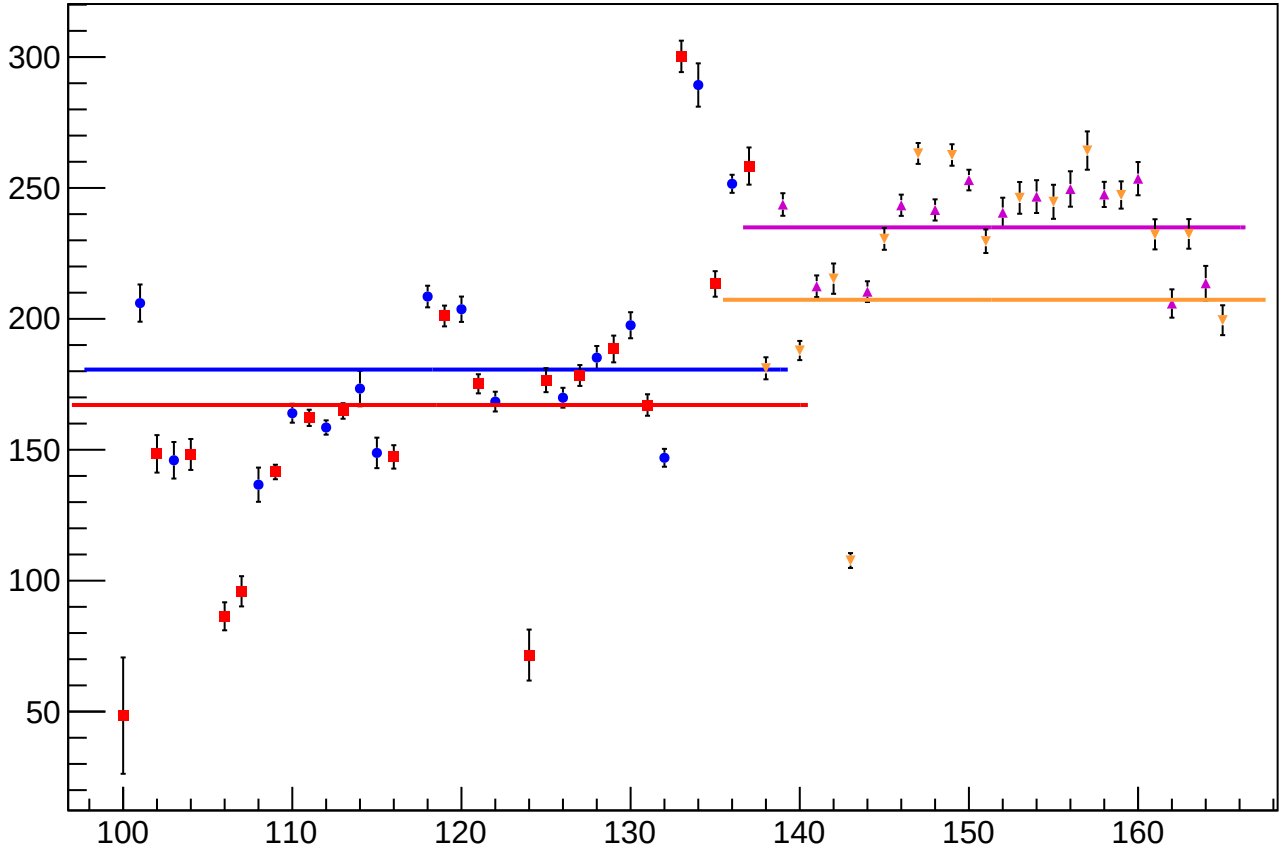
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.447+/-0.013 χ^2/NDF:748579.9/28

Out: -5.270+/-0.013 χ^2/NDF:1155927.0/33

All: -5.359+/-0.009 χ^2/NDF: 1904599.2/62

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: 207.286+/-1.185 χ^2/NDF:1964.7/14

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

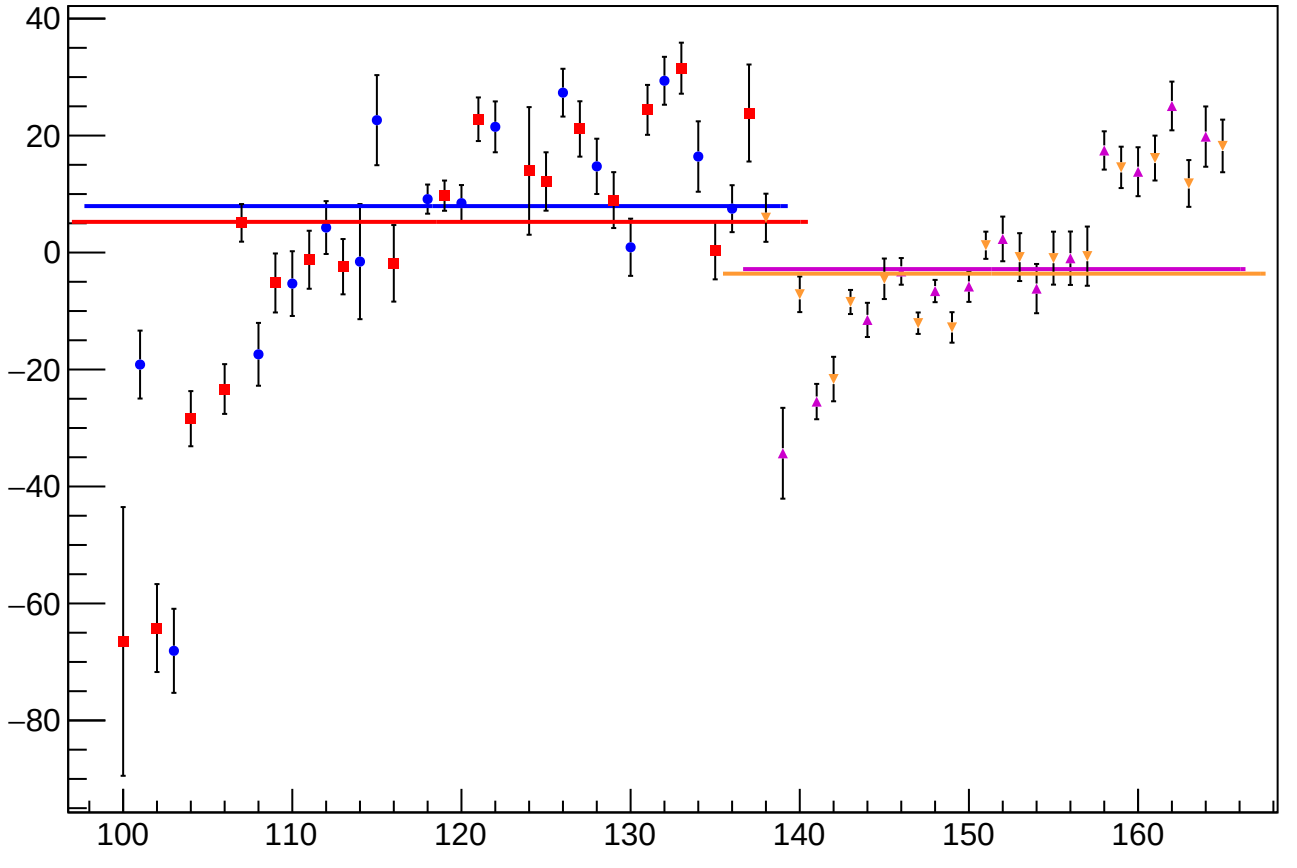
Left: 219.530+/-0.885 χ^2/NDF: 2369.9/27

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.451+/-0.843 χ^2/NDF:2155.4/28

Out: 184.215+/-0.773 χ^2/NDF:4109.2/33

All: 192.552+/-0.570 χ^2/NDF: 6518.7/62



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

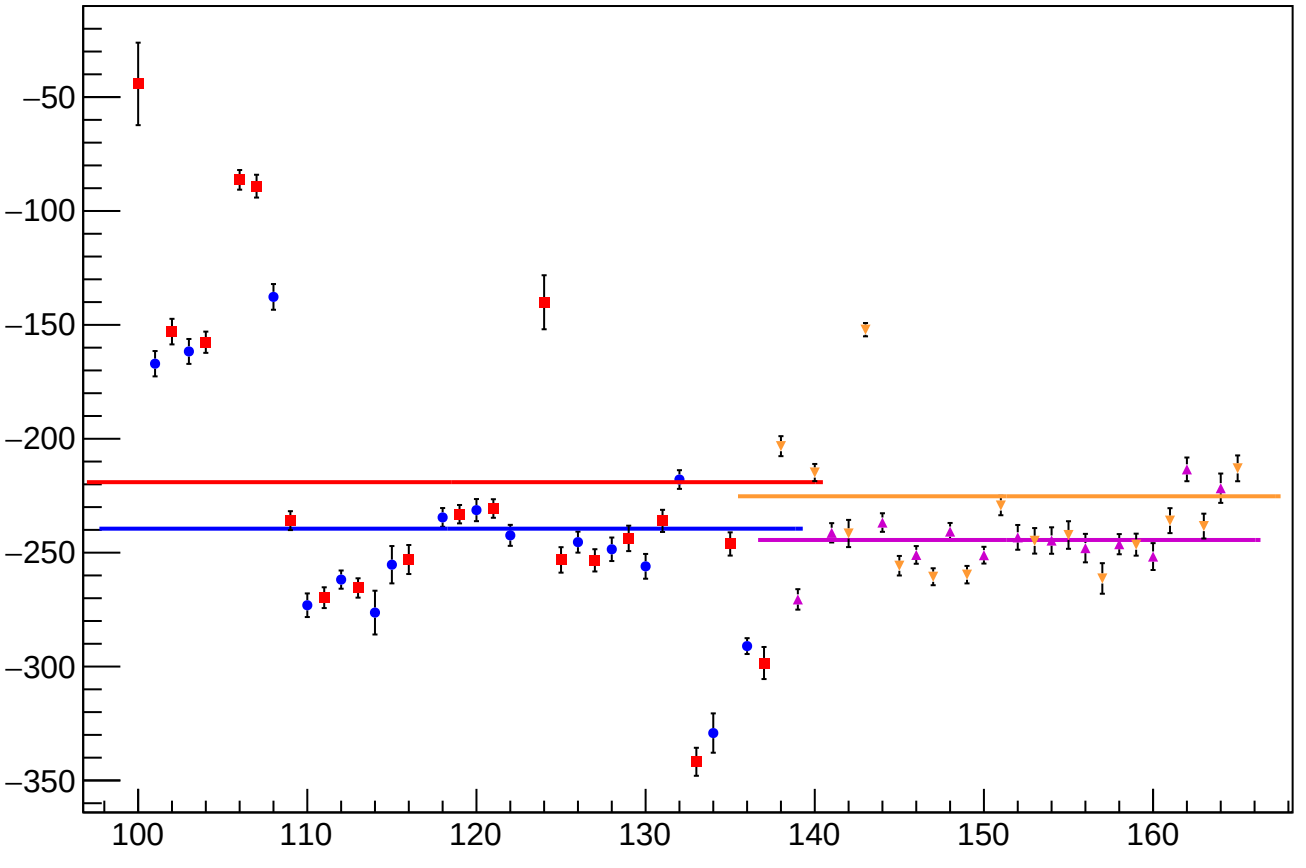
Left: -3.264+/-0.591 χ^2/NDF: 373.6/27

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

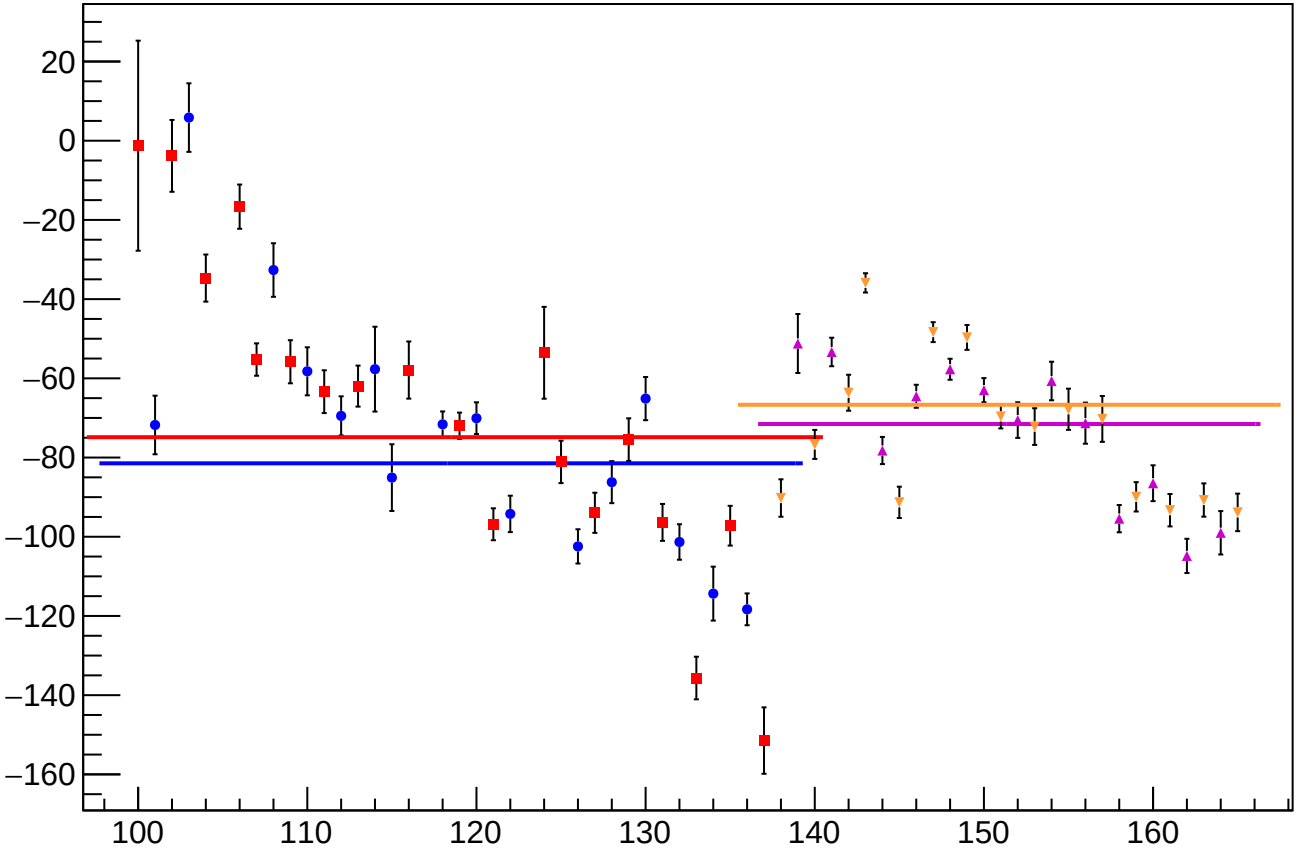
In: 1.348+/-0.693 χ^2/NDF:497.9/28

Out: -0.444+/-0.635 χ^2/NDF:513.1/33

All: 0.374+/-0.468 χ^2/NDF: 1014.6/62


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.250+/-1.163 χ²/NDF:971.2/14
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -244.431+/-1.286 χ²/NDF:94.9/12
Left: -233.884+/-0.863 χ²/NDF: 1188.5/27
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -241.871+/-0.895 χ²/NDF:1264.8/28
Out: -222.186+/-0.827 χ²/NDF:4034.6/33
All: -231.259+/-0.607 χ²/NDF: 5560.5/62

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: -66.679+/-0.946 χ^2/NDF:463.9/14

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

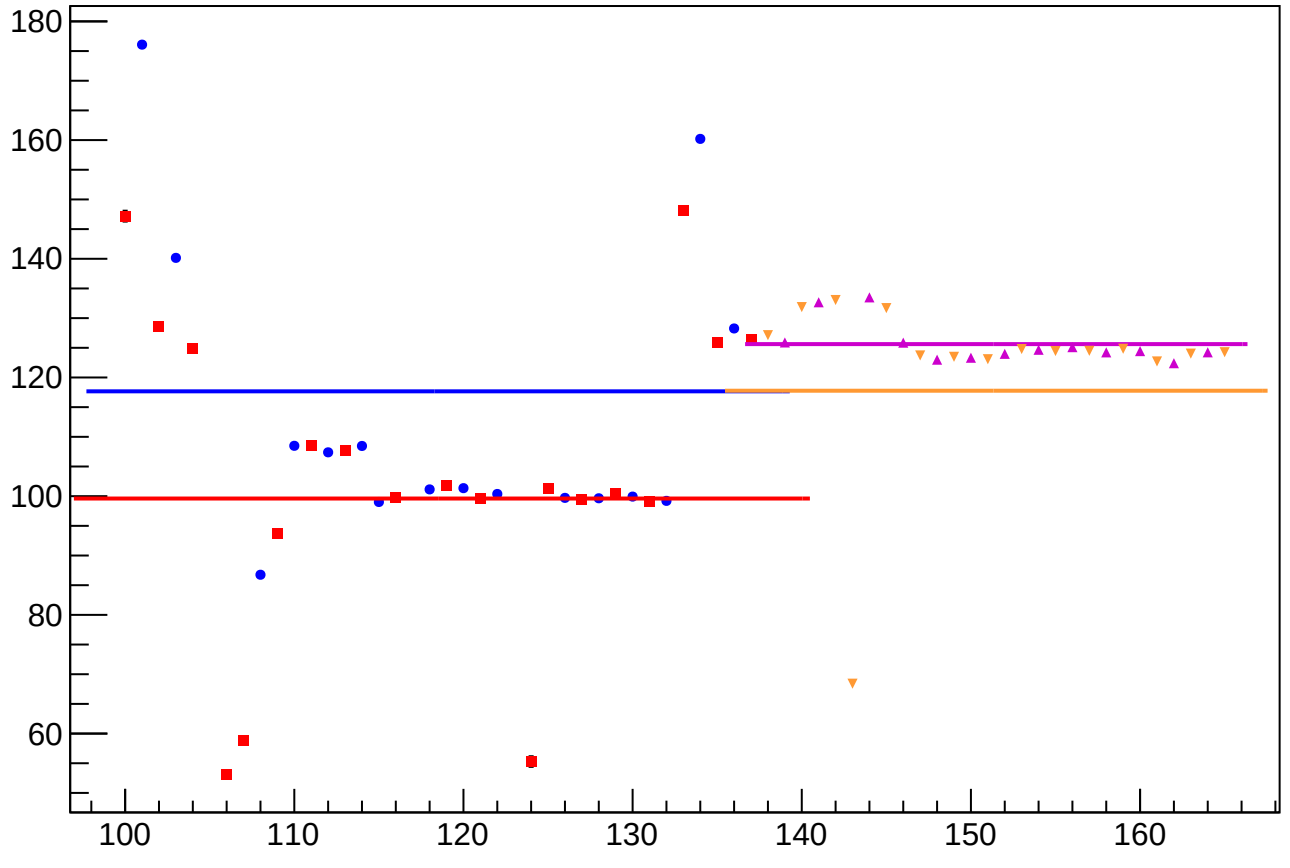
Left: -68.843+/-0.705 χ^2/NDF: 702.0/27

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.527+/-0.816 χ^2/NDF:628.4/28

Out: -69.720+/-0.750 χ^2/NDF:1068.3/33

All: -72.379+/-0.552 χ^2/NDF: 1724.2/62



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

Left: 121.392+/-0.034 χ^2/NDF: 214643.3/27

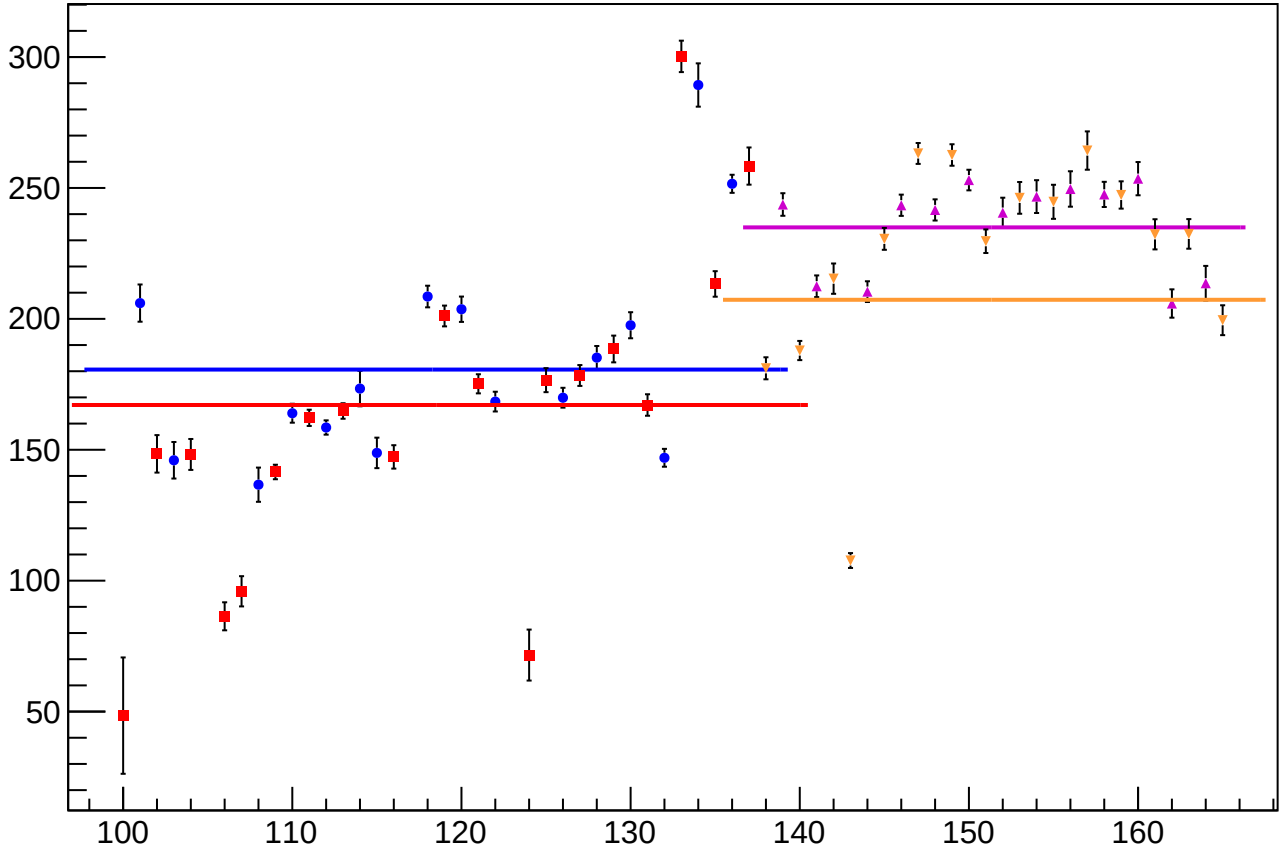
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.357+/-0.042 χ^2/NDF:107359.4/28

Out: 112.376+/-0.038 χ^2/NDF:409621.0/33

All: 117.394+/-0.028 χ^2/NDF: 554533.4/62

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: 207.286+/-1.185 χ^2/NDF:1964.7/14

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

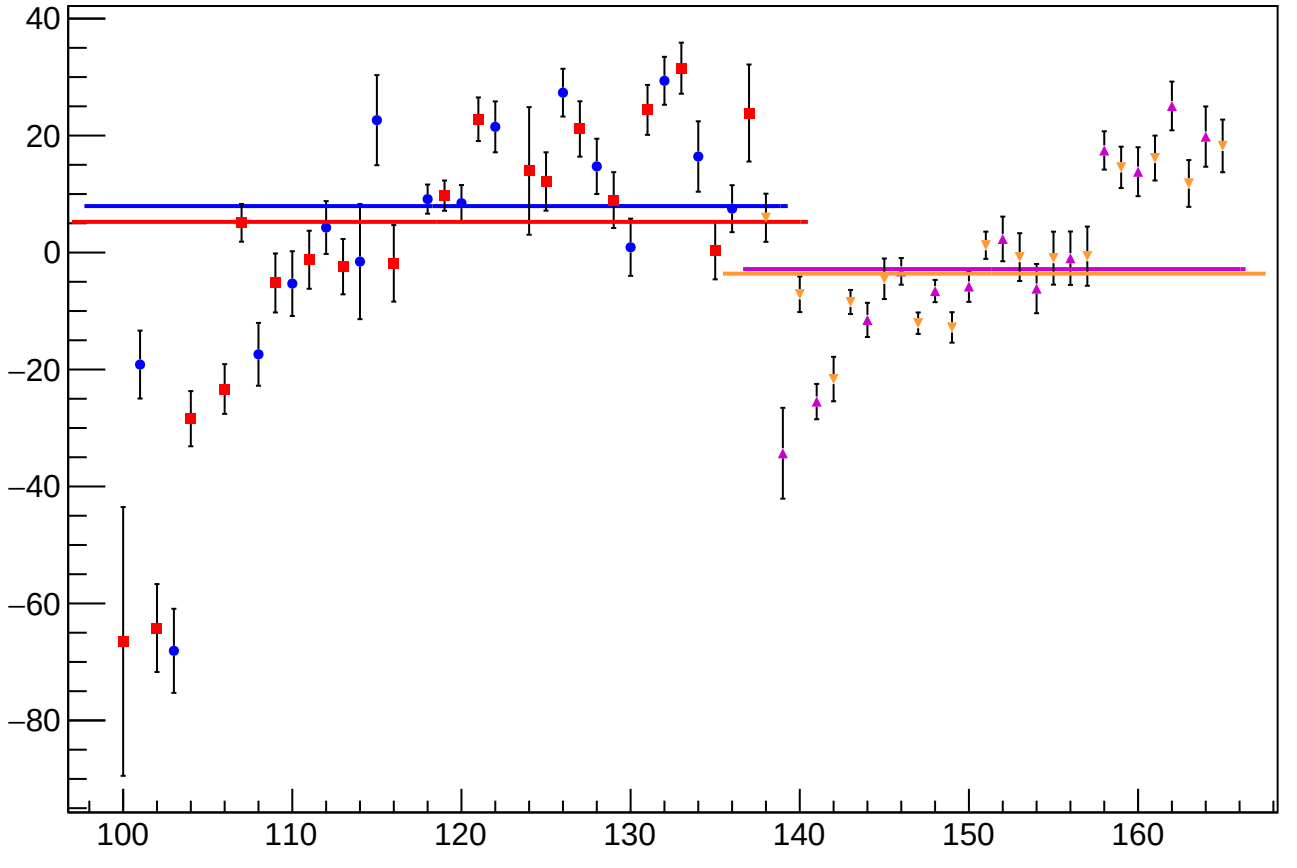
Left: 219.530+/-0.885 χ^2/NDF: 2369.9/27

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.451+/-0.843 χ^2/NDF:2155.4/28

Out: 184.215+/-0.773 χ^2/NDF:4109.2/33

All: 192.552+/-0.570 χ^2/NDF: 6518.7/62



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

Left: -3.264+/-0.591 χ^2/NDF: 373.6/27

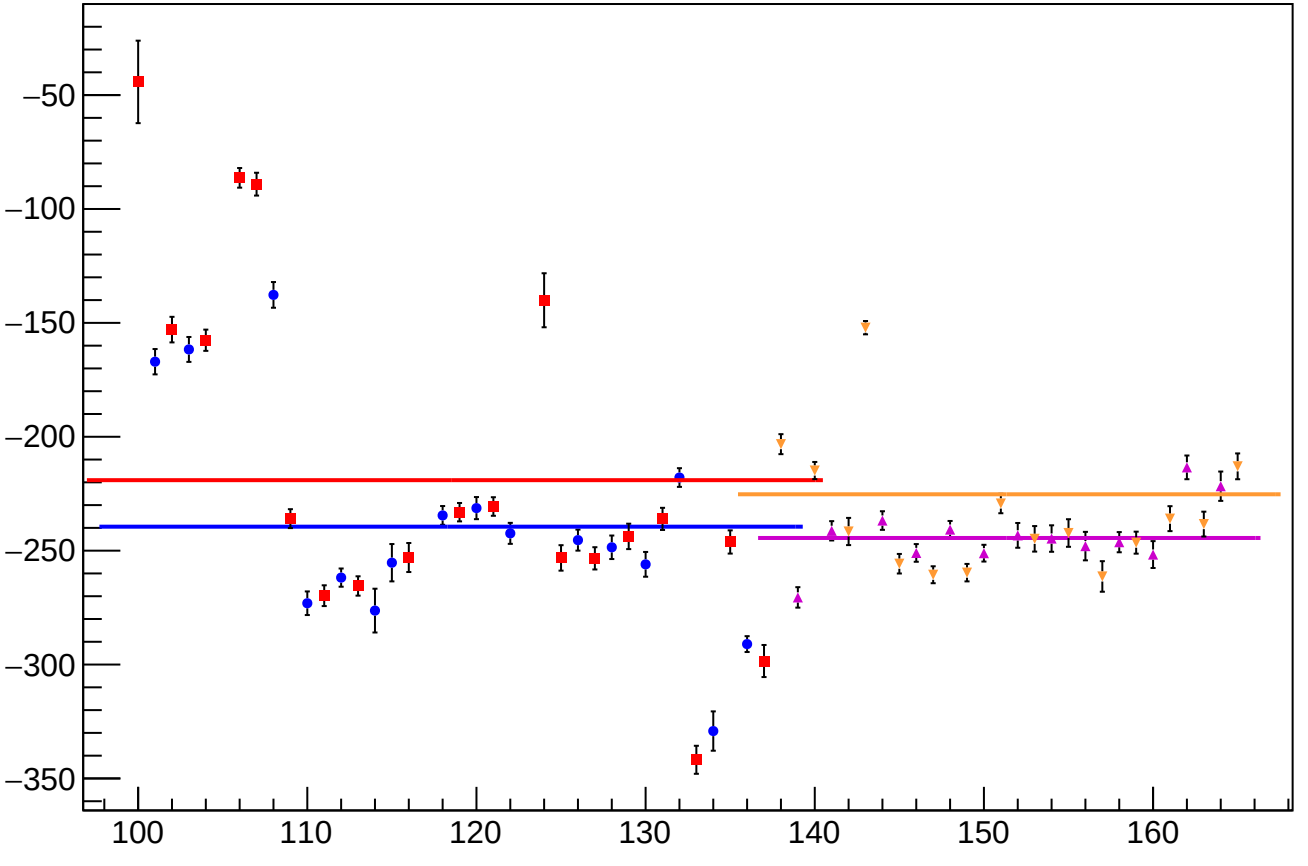
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.348+/-0.693 χ^2/NDF:497.9/28

Out: -0.444+/-0.635 χ^2/NDF:513.1/33

All: 0.374+/-0.468 χ^2/NDF: 1014.6/62

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.250+/-1.163 χ^2/NDF:971.2/14

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

Left: -233.884+/-0.863 χ^2/NDF: 1188.5/27

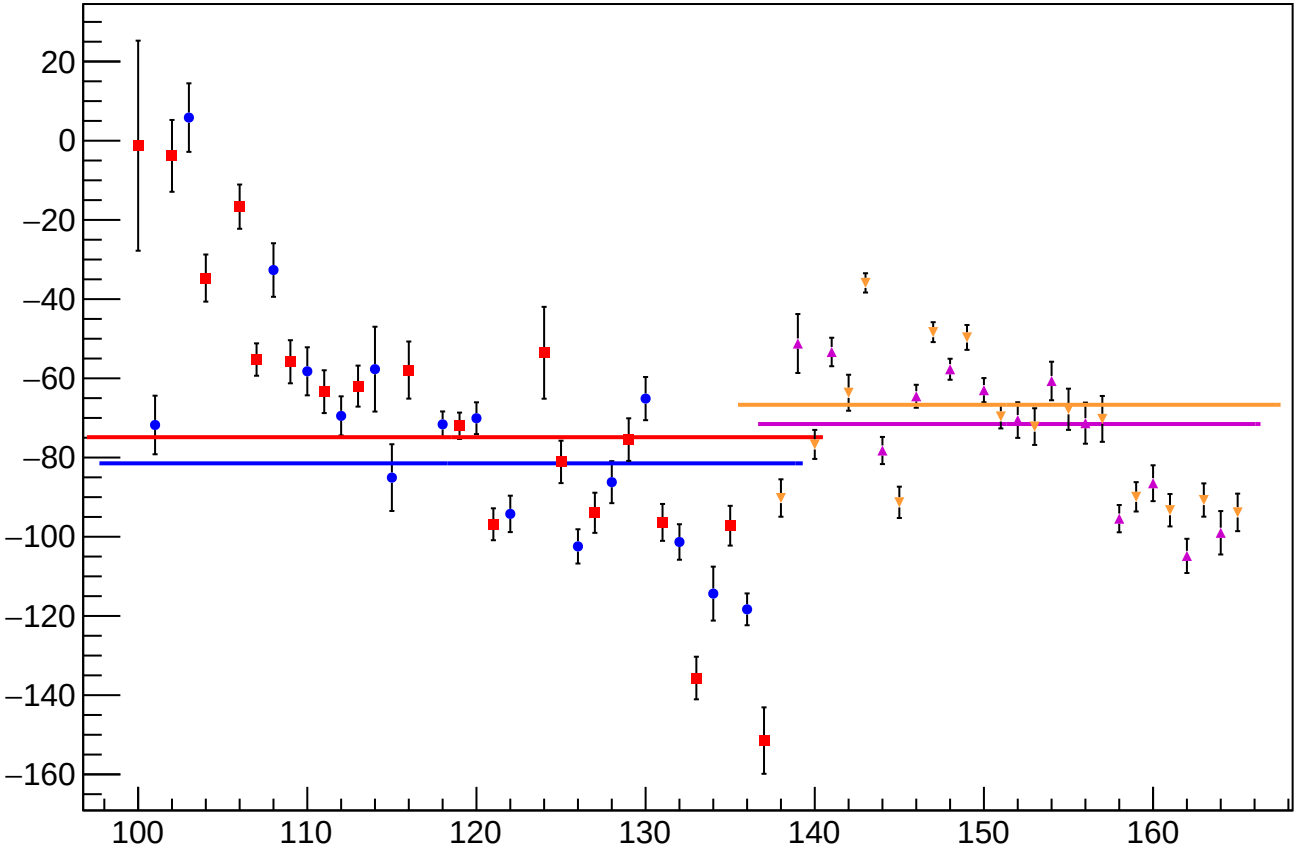
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.871+/-0.895 χ^2/NDF:1264.8/28

Out: -222.186+/-0.827 χ^2/NDF:4034.6/33

All: -231.259+/-0.607 χ^2/NDF: 5560.5/62

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -66.679+/-0.946 χ^2/NDF:463.9/14

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

Left: -68.843+/-0.705 χ^2/NDF: 702.0/27

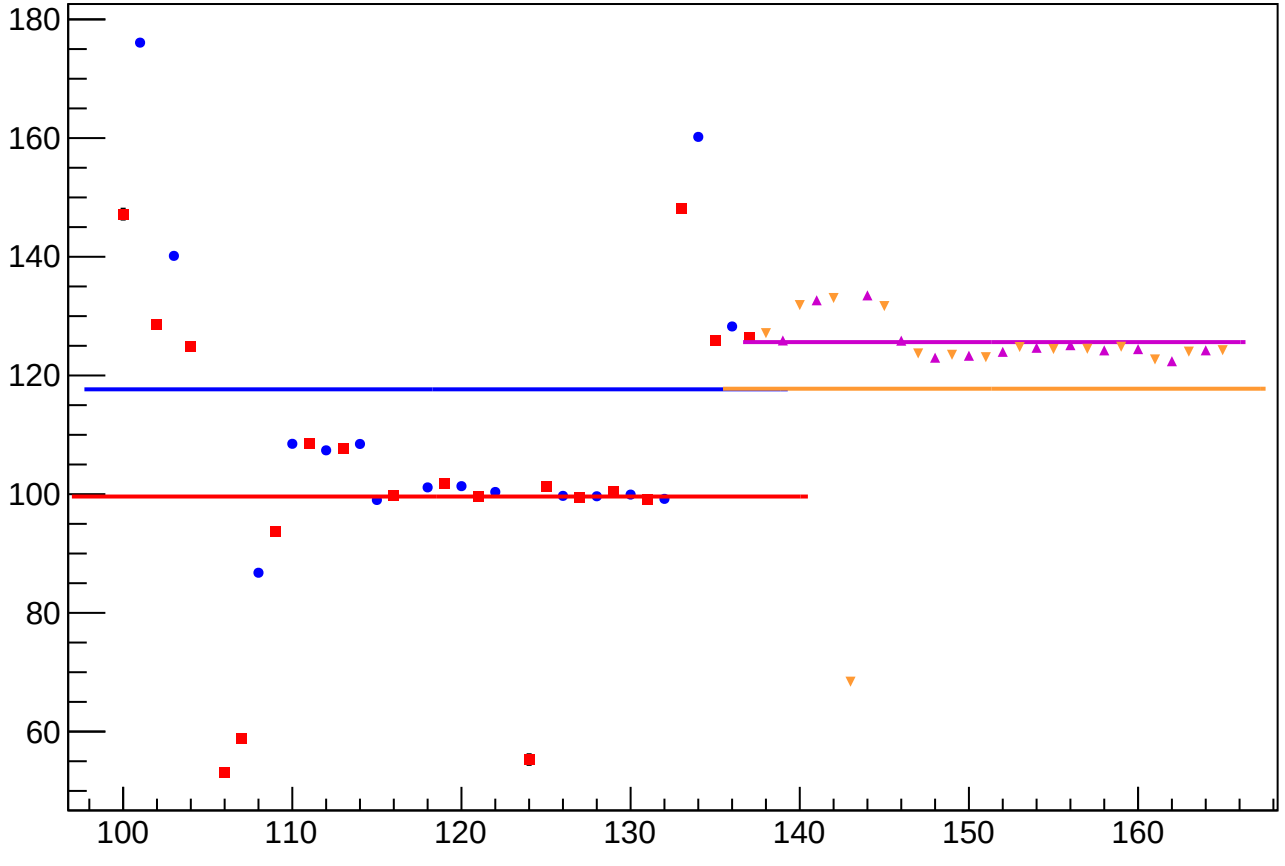
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.527+/-0.816 χ^2/NDF:628.4/28

Out: -69.720+/-0.750 χ^2/NDF:1068.3/33

All: -72.379+/-0.552 χ^2/NDF: 1724.2/62

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: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

Left: 121.392+/-0.034 χ^2/NDF: 214643.3/27

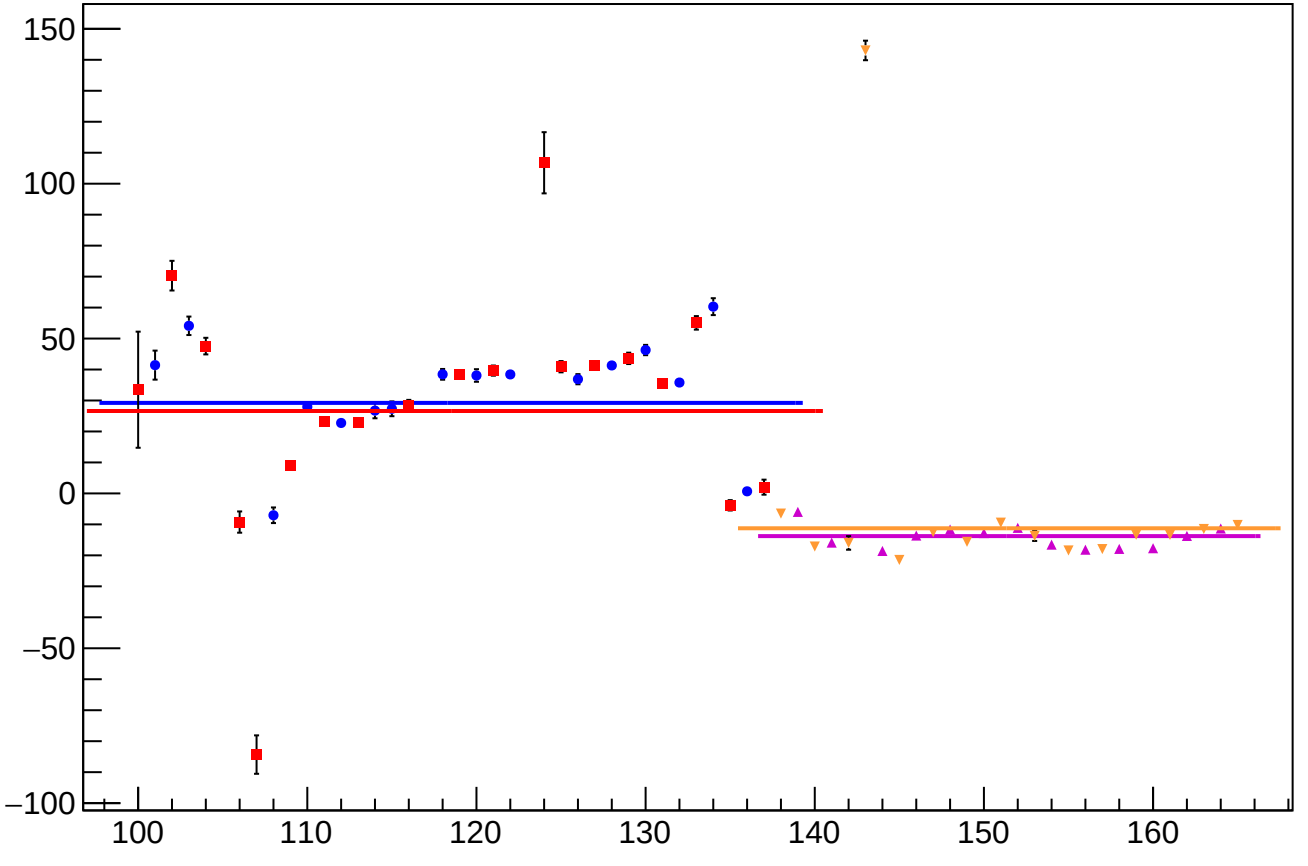
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.357+/-0.042 χ^2/NDF:107359.4/28

Out: 112.376+/-0.038 χ^2/NDF:409621.0/33

All: 117.394+/-0.028 χ^2/NDF: 554533.4/62

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: -11.257+/-0.394 χ^2/NDF:2530.3/14

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

Left: -12.492+/-0.281 χ^2/NDF: 2635.6/27

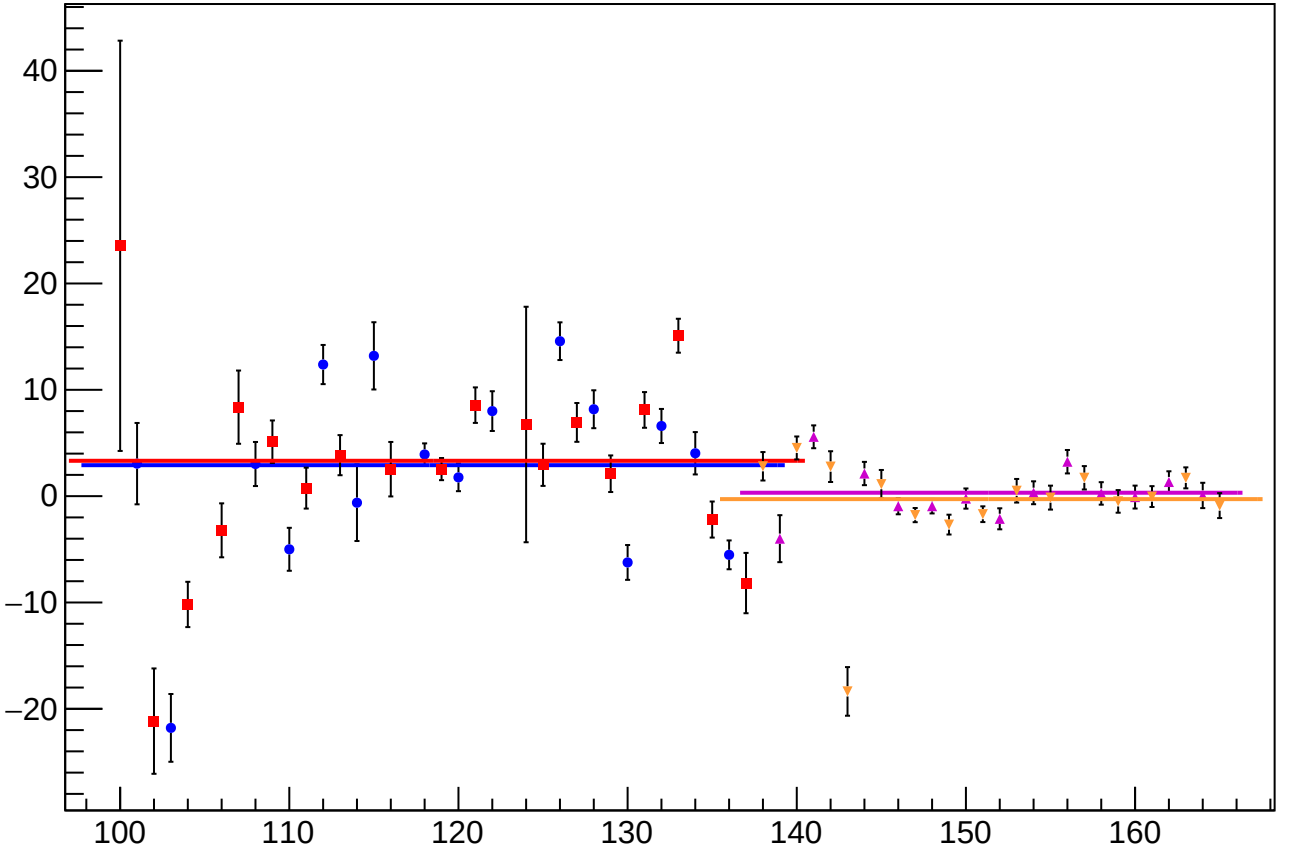
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 6.597+/-0.292 χ^2/NDF:6836.1/28

Out: 6.718+/-0.285 χ^2/NDF:8843.4/33

All: 6.659+/-0.204 χ^2/NDF: 15679.6/62

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.280+/-0.267 χ^2/NDF:117.0/14

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.321+/-0.277 χ^2/NDF:51.4/12

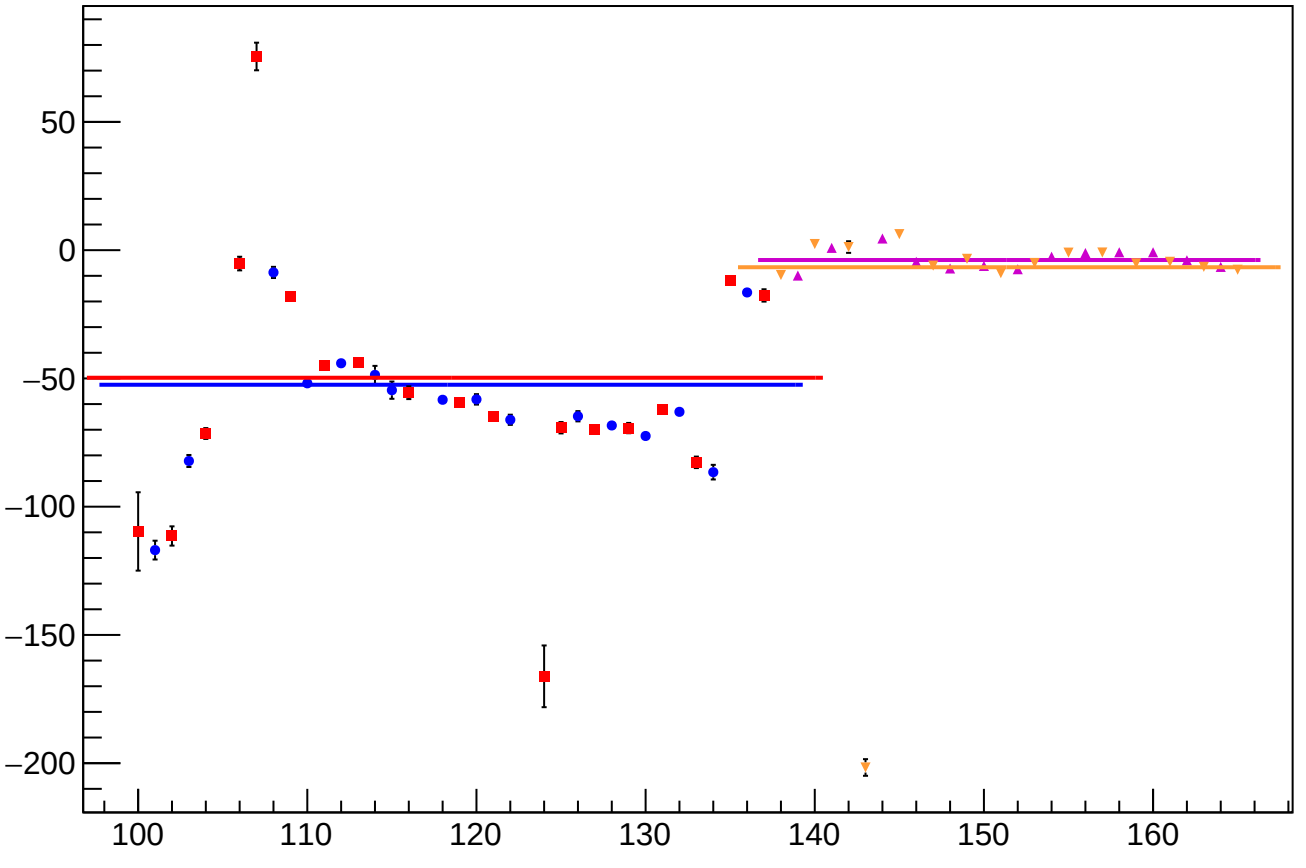
Left: 0.010+/-0.192 χ^2/NDF: 170.8/27

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.051+/-0.235 χ^2/NDF:326.0/28

Out: 0.651+/-0.230 χ^2/NDF:345.6/33

All: 0.847+/-0.164 χ^2/NDF: 673.1/62



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.653+/-0.381 χ^2/NDF:3788.2/14

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

Left: -5.270+/-0.272 χ^2/NDF: 3909.6/27

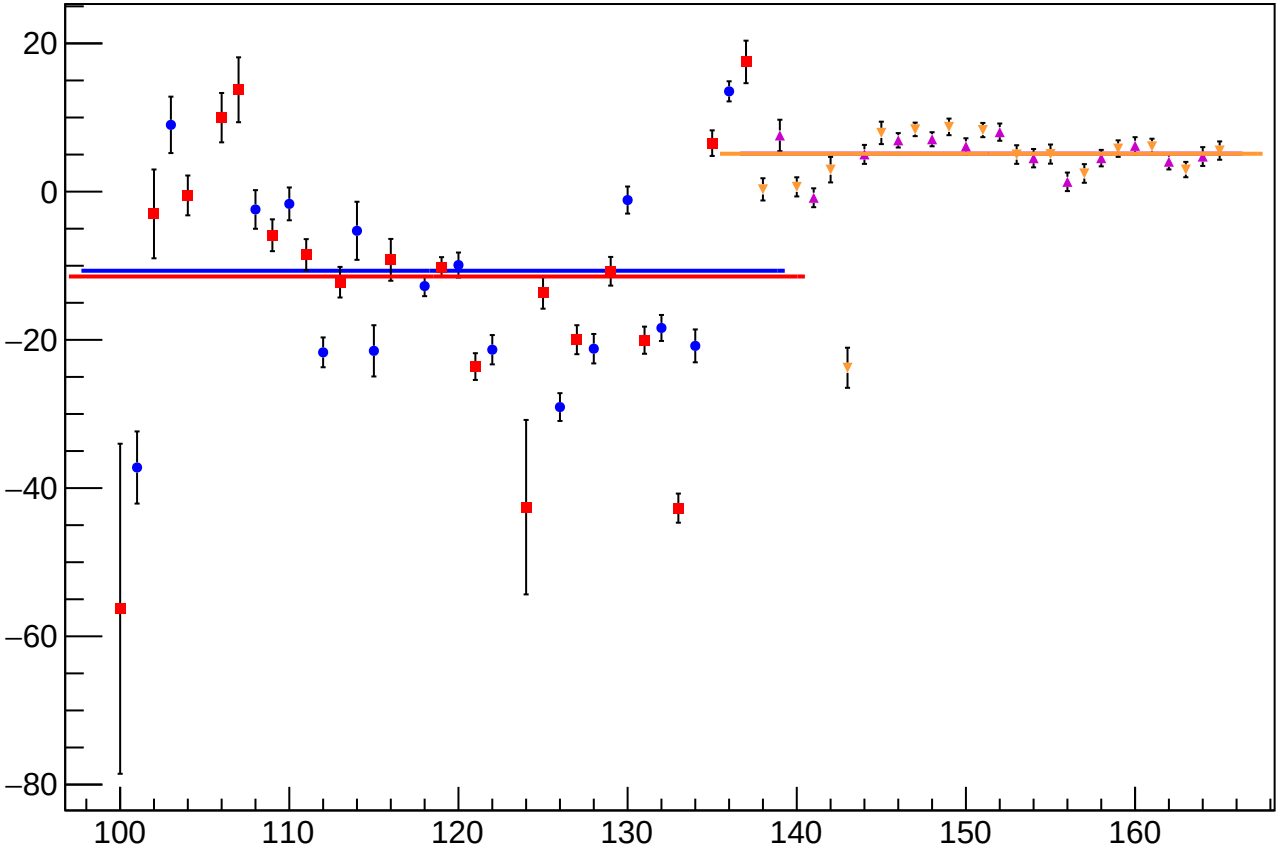
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.690+/-0.304 χ^2/NDF:8510.9/28

Out: -22.726+/-0.302 χ^2/NDF:11564.9/33

All: -22.708+/-0.214 χ^2/NDF: 20075.8/62

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.112+/-0.313 χ^2/NDF:185.8/14

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

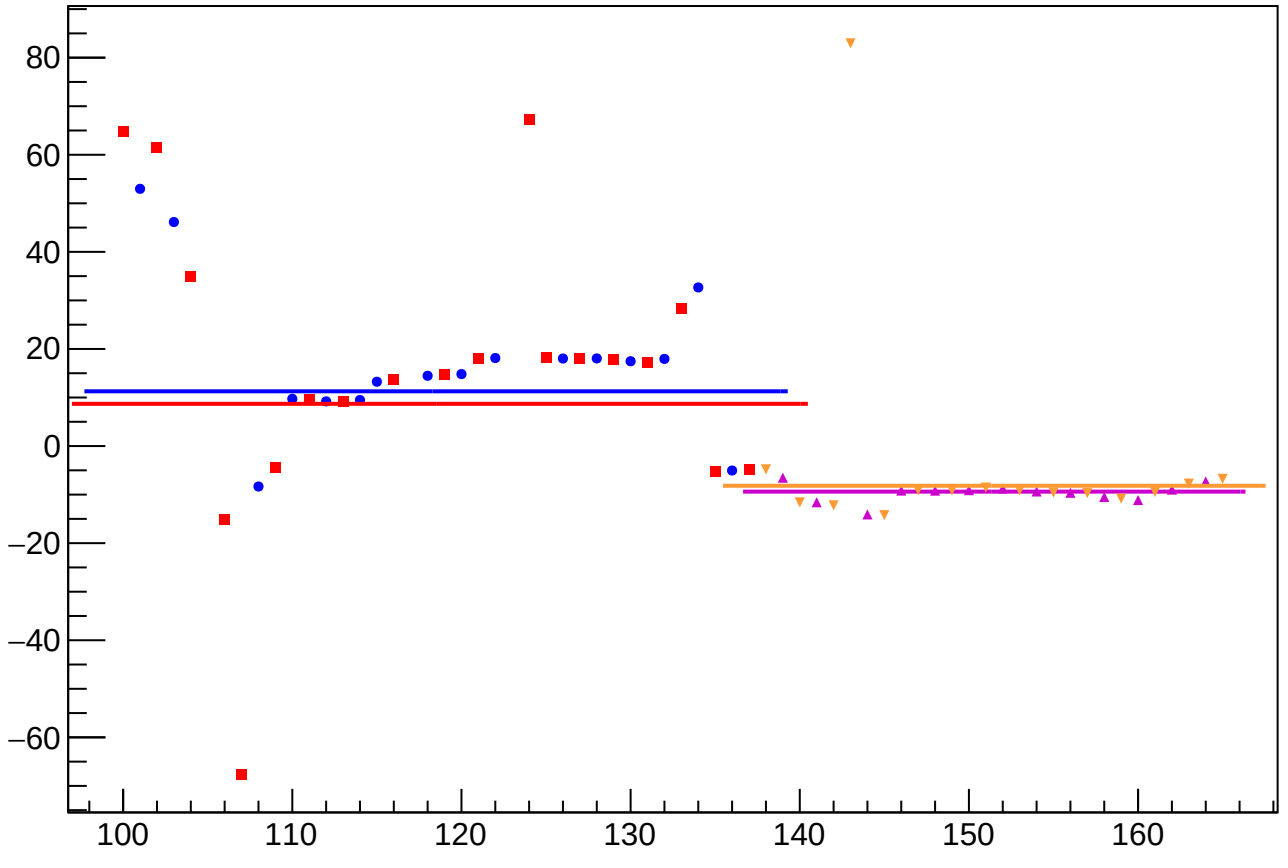
Left: 5.120+/-0.225 χ^2/NDF: 235.4/27

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.539+/-0.272 χ^2/NDF:1409.7/28

Out: 0.660+/-0.268 χ^2/NDF:1604.7/33

All: 0.601+/-0.191 χ^2/NDF: 3014.5/62



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.179+/-0.014 χ^2/NDF:481001.0/14

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

Left: -8.776+/-0.010 χ^2/NDF: 497742.1/27

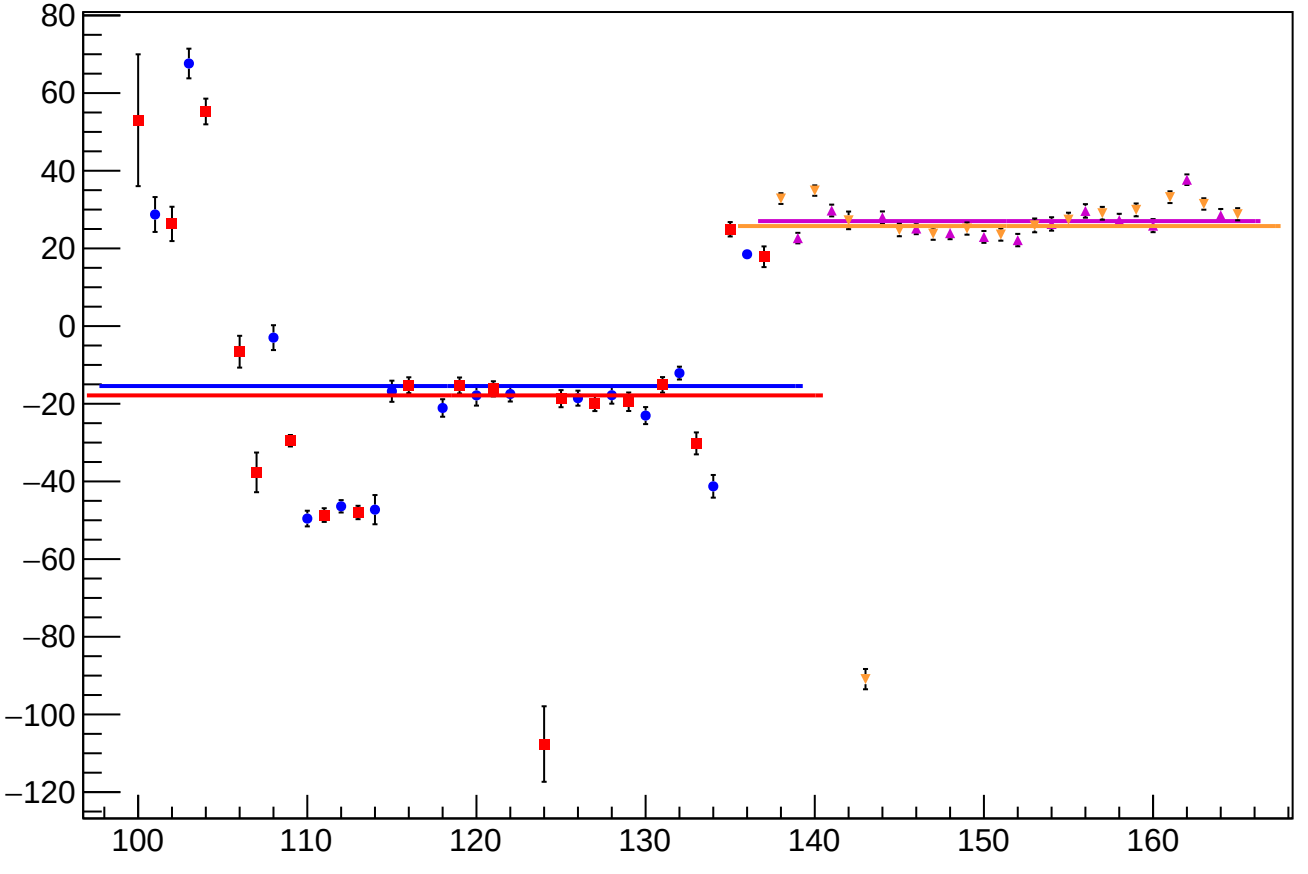
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.447+/-0.013 χ^2/NDF:748579.9/28

Out: -5.270+/-0.013 χ^2/NDF:1155927.0/33

All: -5.359+/-0.009 χ^2/NDF: 1904599.2/62

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.756+/-0.420 χ^2/NDF:2125.2/14

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

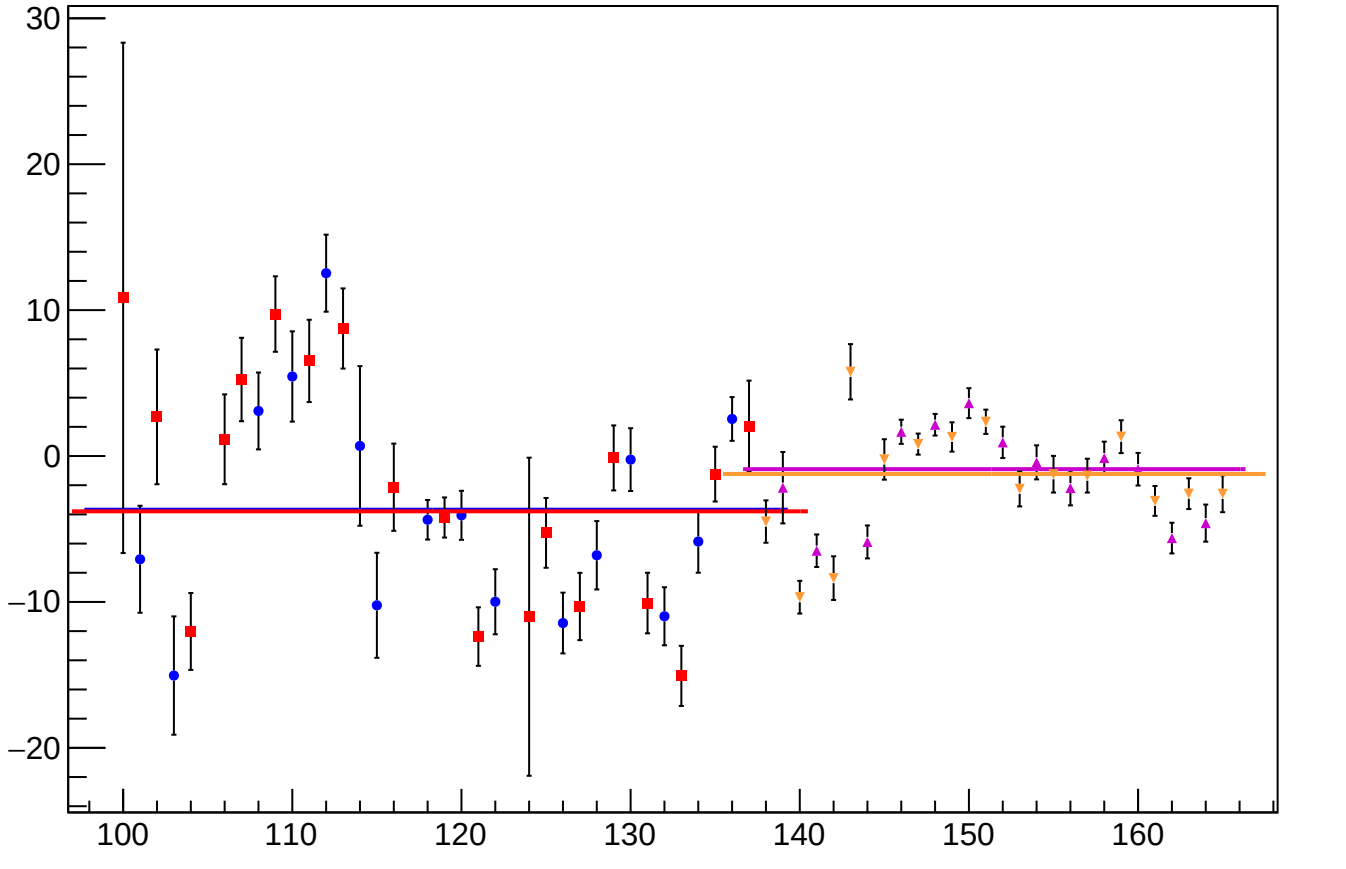
Left: 26.379+/-0.301 χ^2/NDF: 2230.8/27

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

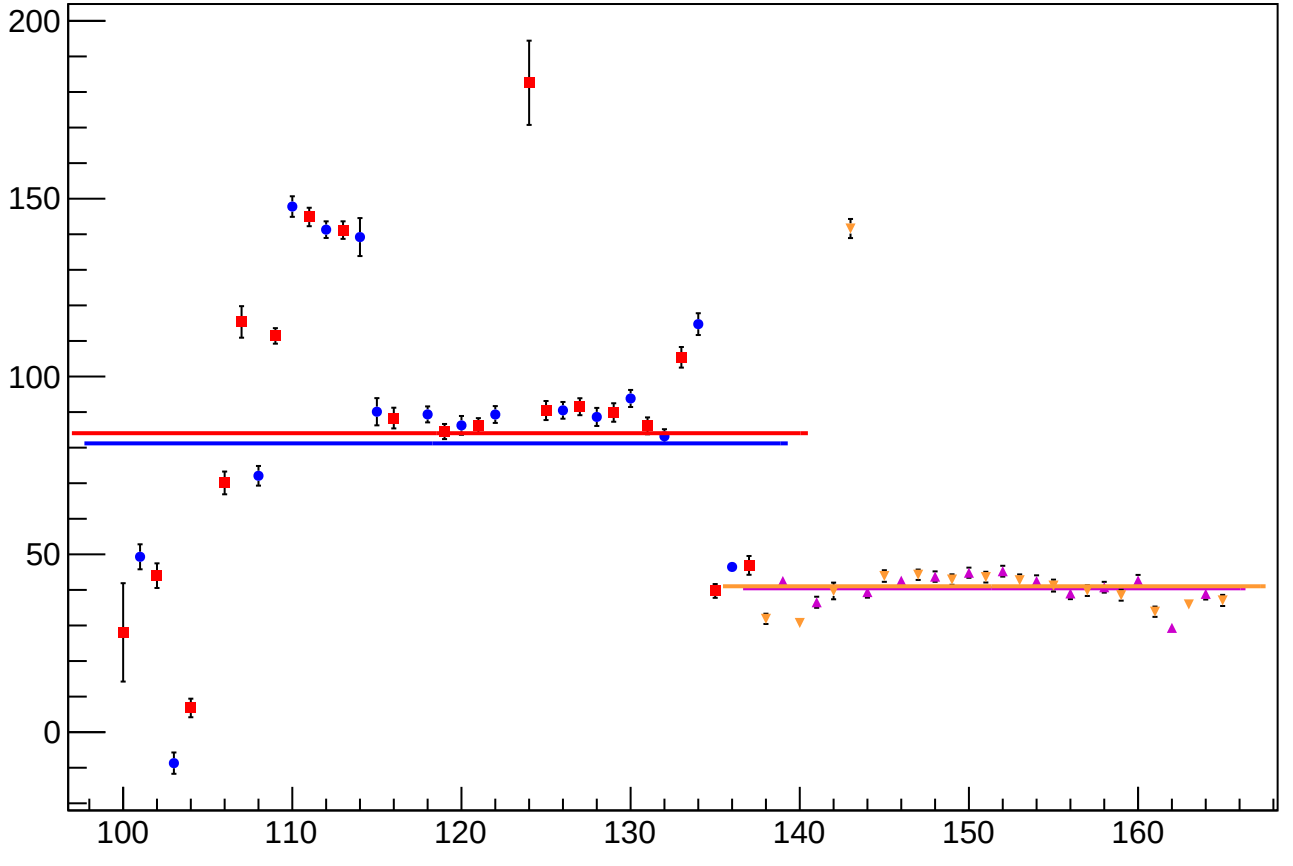
In: 10.483+/-0.337 χ^2/NDF:6014.3/28

Out: 8.931+/-0.329 χ^2/NDF:8413.1/33

All: 9.690+/-0.235 χ^2/NDF: 14438.2/62


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.229+/-0.286 χ²/NDF:143.5/14
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.899+/-0.296 χ²/NDF:124.2/12
Left: -1.070+/-0.206 χ²/NDF: 268.3/27
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.521+/-0.261 χ²/NDF:267.9/28
Out: -1.754+/-0.255 χ²/NDF:321.1/33
All: -1.640+/-0.182 χ²/NDF: 589.4/62

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: 41.025+/-0.407 χ^2/NDF:1559.1/14

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

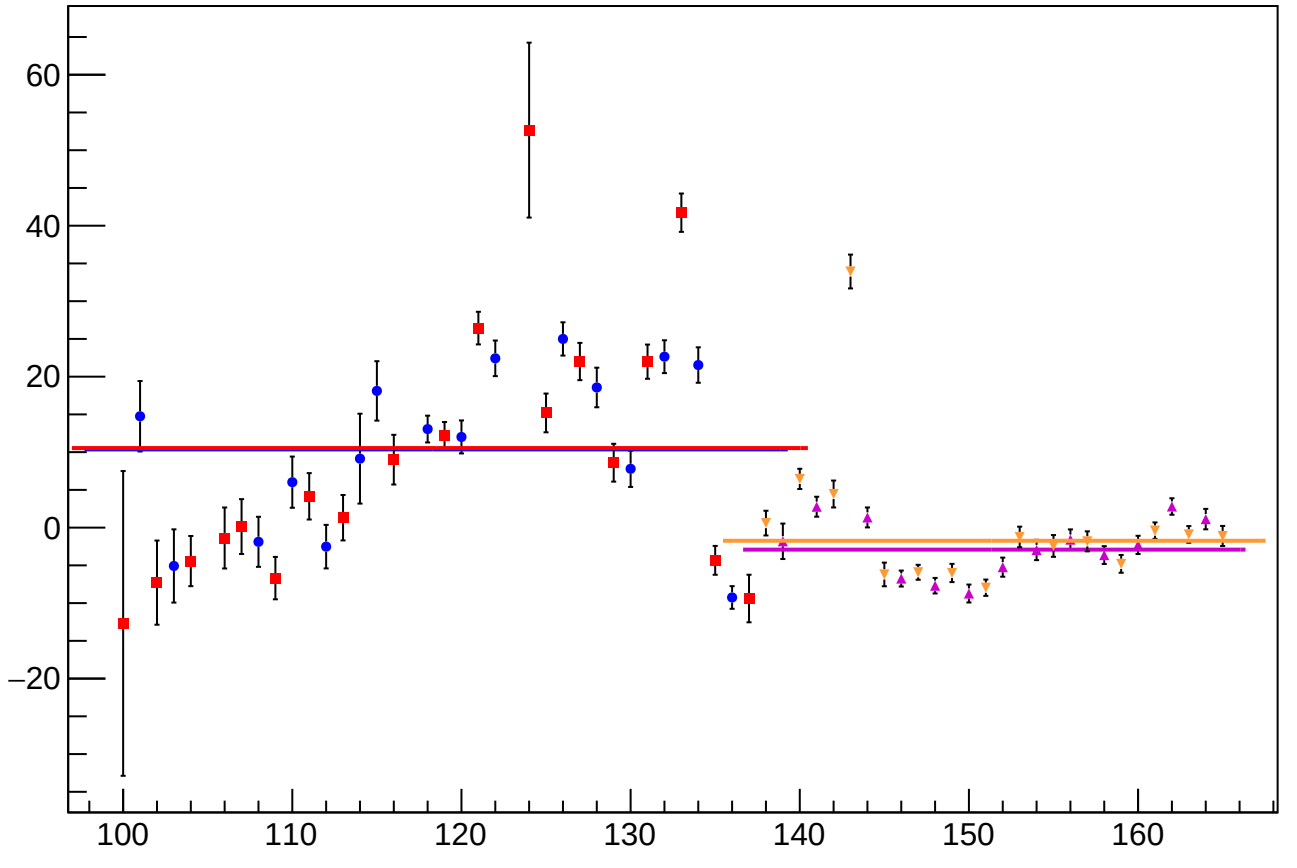
Left: 40.744+/-0.291 χ^2/NDF: 1673.2/27

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 53.444+/-0.343 χ^2/NDF:6413.4/28

Out: 54.092+/-0.340 χ^2/NDF:8162.3/33

All: 53.771+/-0.241 χ^2/NDF: 14577.5/62



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.739+/-0.334 χ^2/NDF:385.7/14

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.916+/-0.345 χ^2/NDF:129.2/12

Left: -2.308+/-0.240 χ^2/NDF: 520.9/27

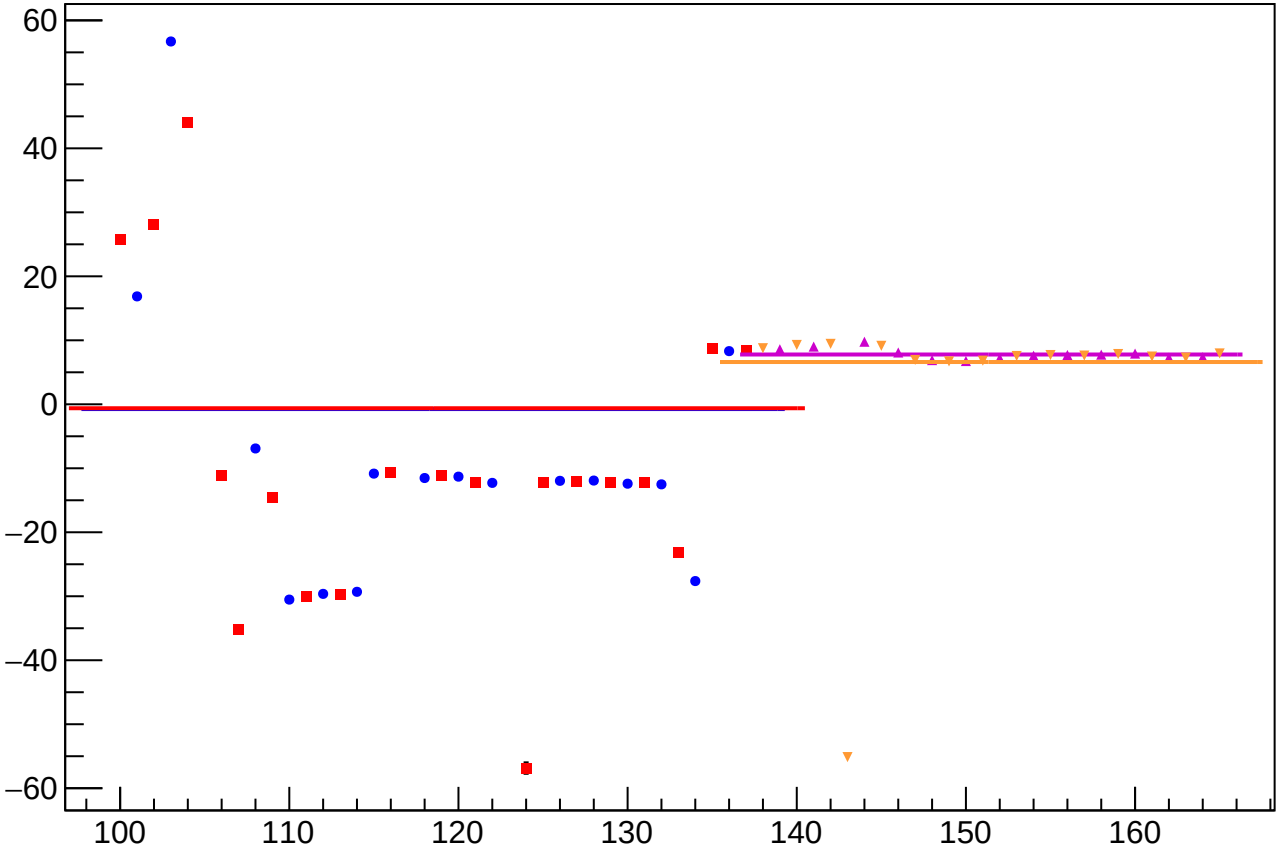
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.179+/-0.302 χ^2/NDF:833.7/28

Out: 0.890+/-0.296 χ^2/NDF:1145.5/33

All: 0.542+/-0.212 χ^2/NDF: 1982.0/62

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.607+/-0.015 χ^2/NDF:313660.3/14

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

Left: 7.185+/-0.011 χ^2/NDF: 318837.8/27

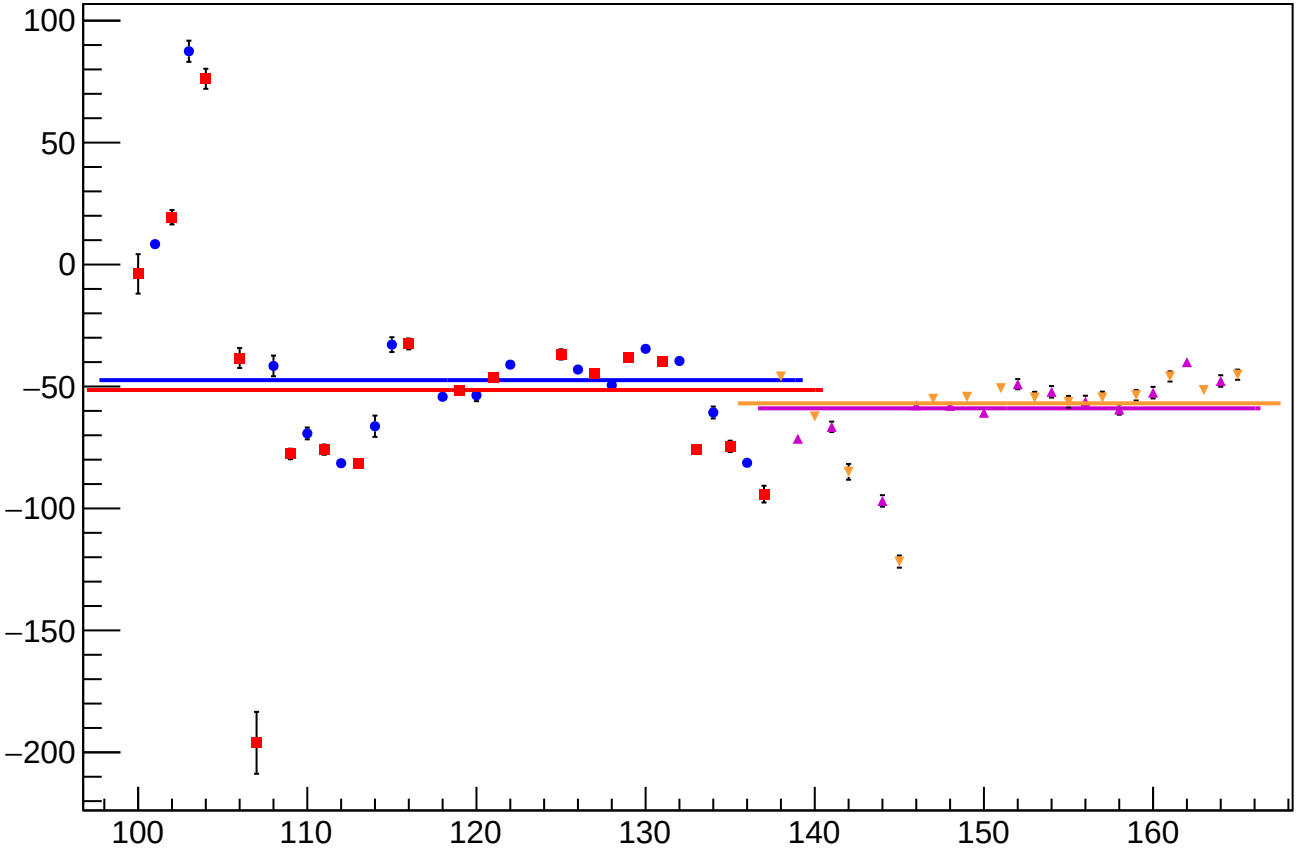
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.431+/-0.014 χ^2/NDF:417807.6/28

Out: 5.563+/-0.014 χ^2/NDF:662197.5/33

All: 5.994+/-0.010 χ^2/NDF: 1081864.1/62

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: -56.901+/-0.565 χ^2/NDF:884.1/13

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -58.954+/-0.574 χ^2/NDF:486.5/12

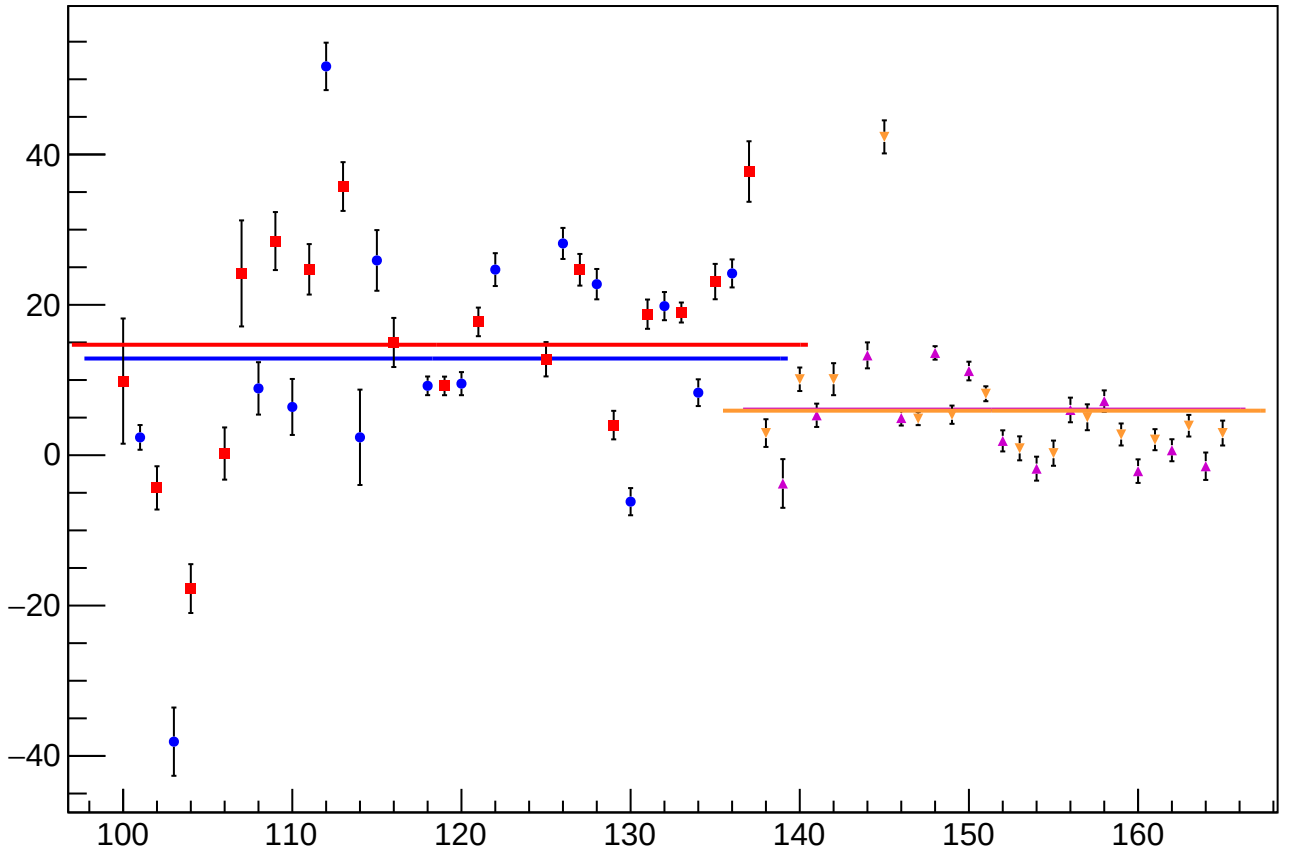
Left: -57.912+/-0.403 χ^2/NDF: 1377.1/26

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.774+/-0.391 χ^2/NDF:3472.5/28

Out: -54.074+/-0.392 χ^2/NDF:3805.2/31

All: -53.423+/-0.277 χ^2/NDF: 7283.2/60



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.924+/-0.376 χ^2/NDF:333.6/13

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.063+/-0.387 χ^2/NDF:207.7/12

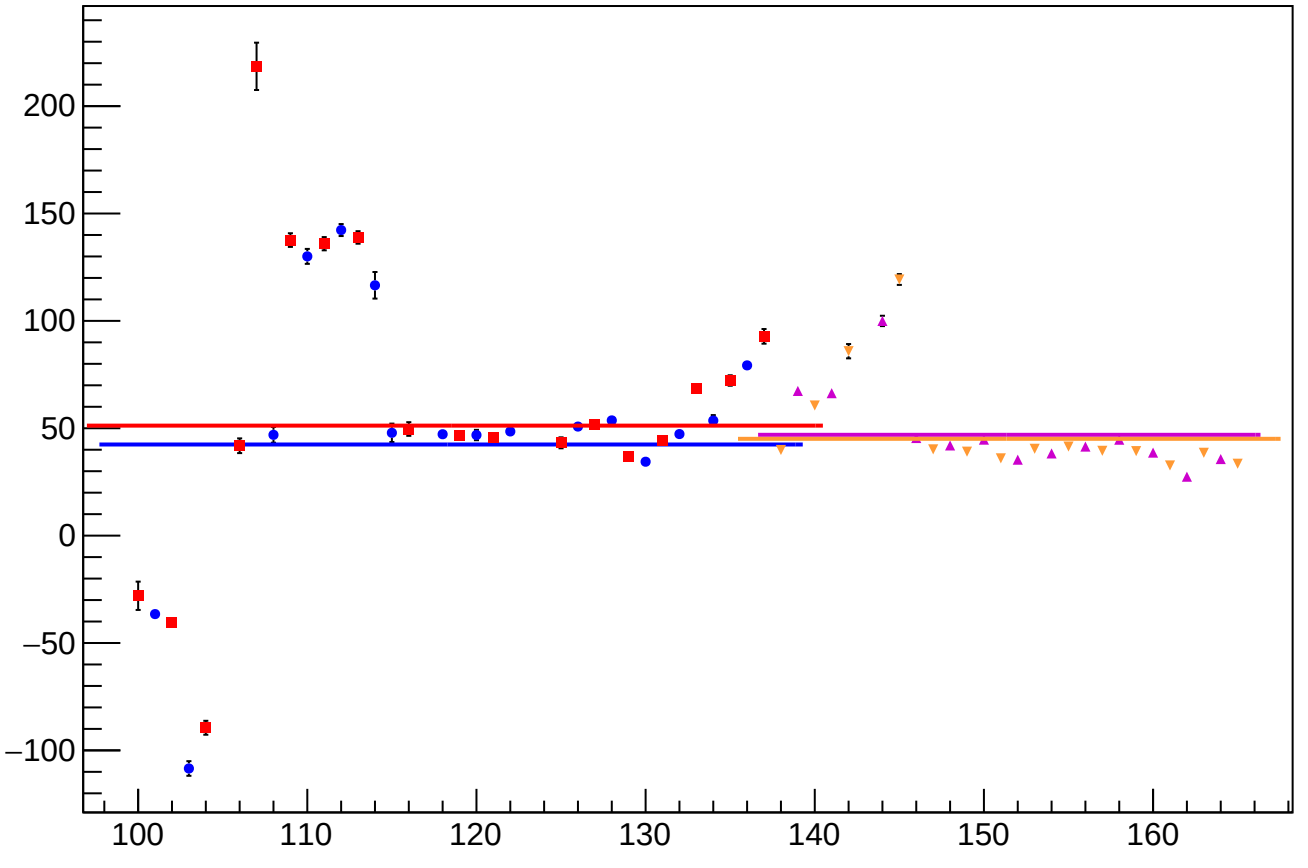
Left: 5.992+/-0.270 χ^2/NDF: 541.3/26

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.495+/-0.310 χ^2/NDF:943.5/28

Out: 8.756+/-0.309 χ^2/NDF:873.3/31

All: 8.626+/-0.219 χ^2/NDF: 1817.2/60



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.080+/-0.546 χ^2/NDF:1238.0/13

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 46.947+/-0.552 χ^2/NDF:900.6/12

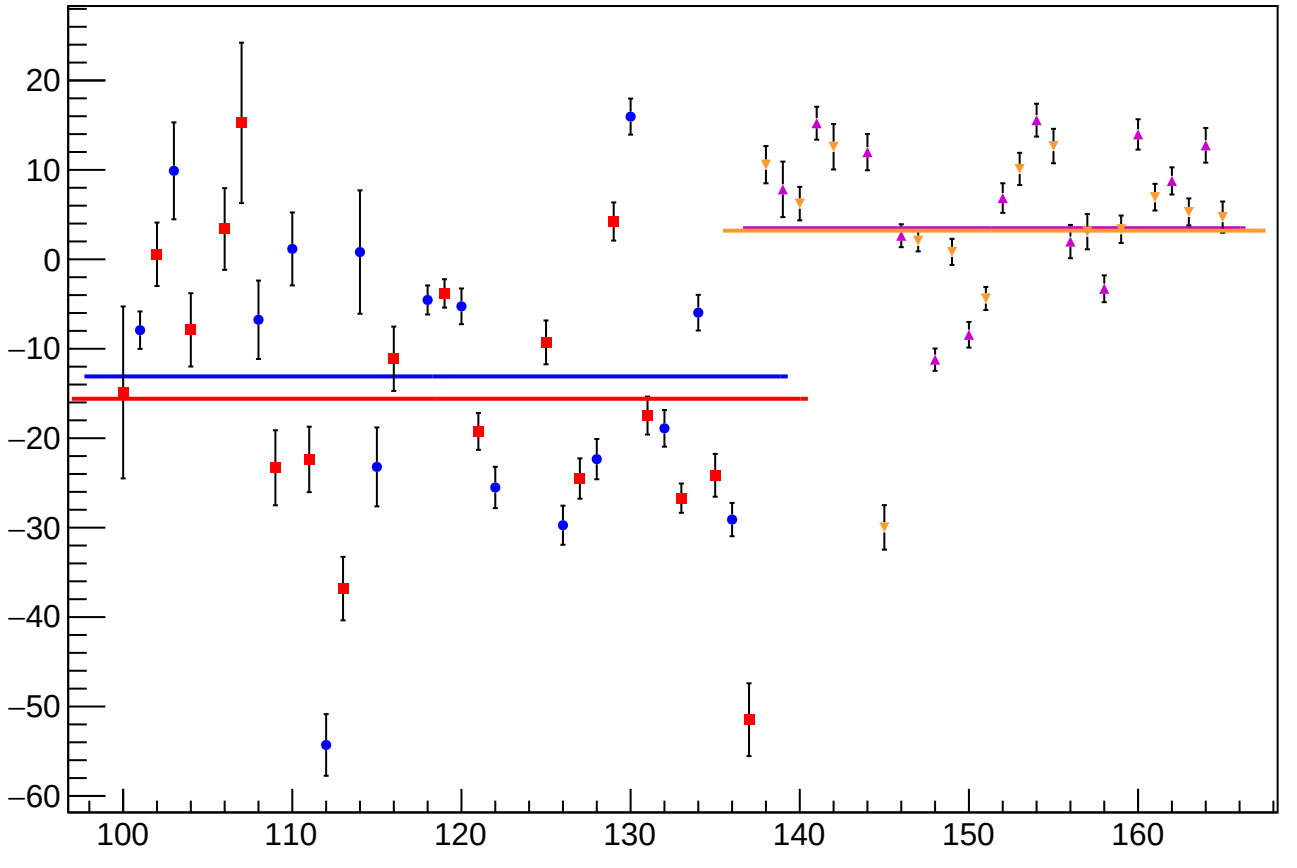
Left: 46.003+/-0.388 χ^2/NDF: 2144.4/26

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 44.821+/-0.401 χ^2/NDF:8101.0/28

Out: 47.787+/-0.408 χ^2/NDF:7905.2/31

All: 46.279+/-0.286 χ^2/NDF: 16033.1/60



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.208+/-0.443 χ^2/NDF:292.2/13

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.478+/-0.455 χ^2/NDF:410.2/12

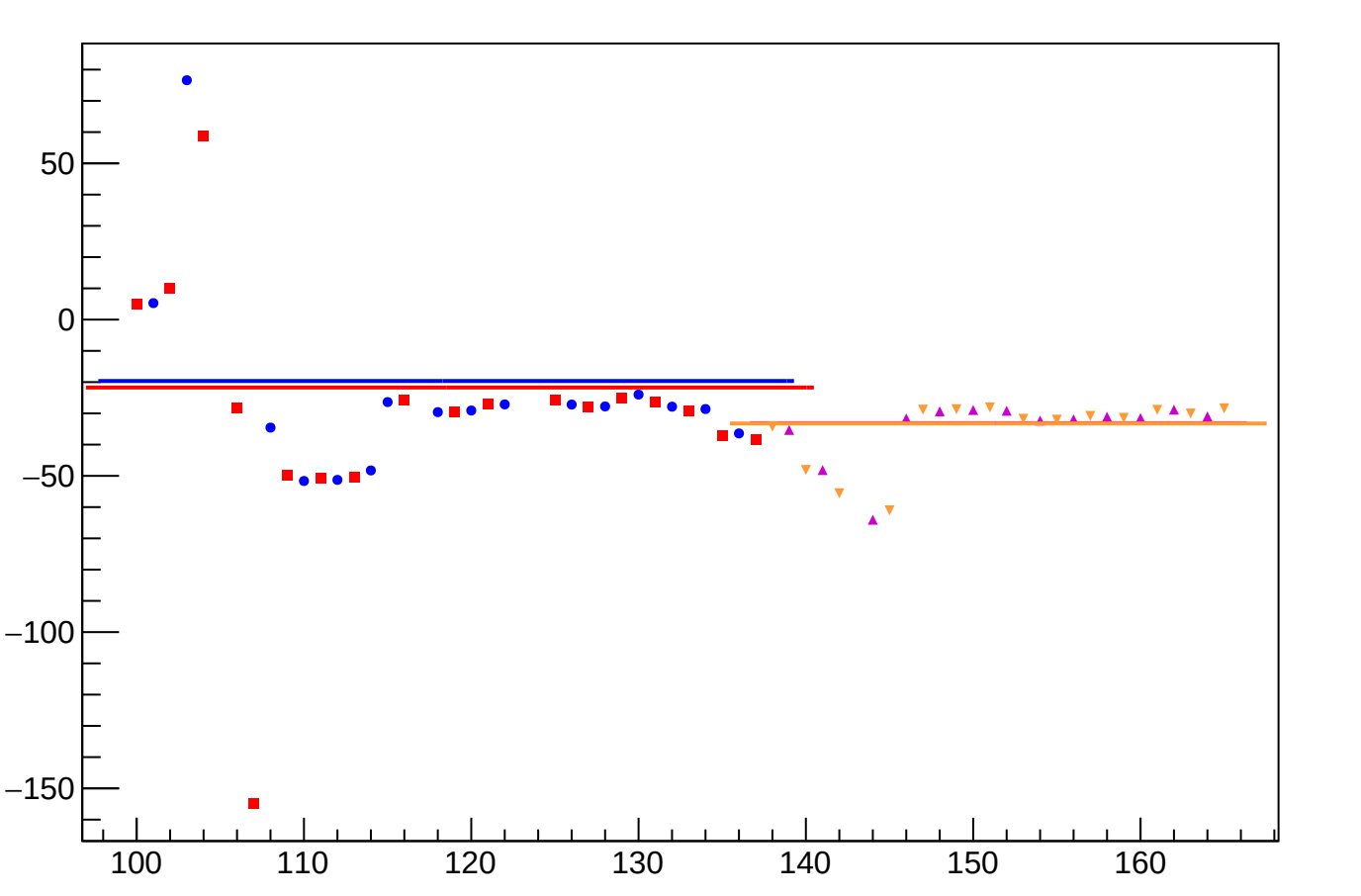
Left: 3.339+/-0.318 χ^2/NDF: 702.7/26

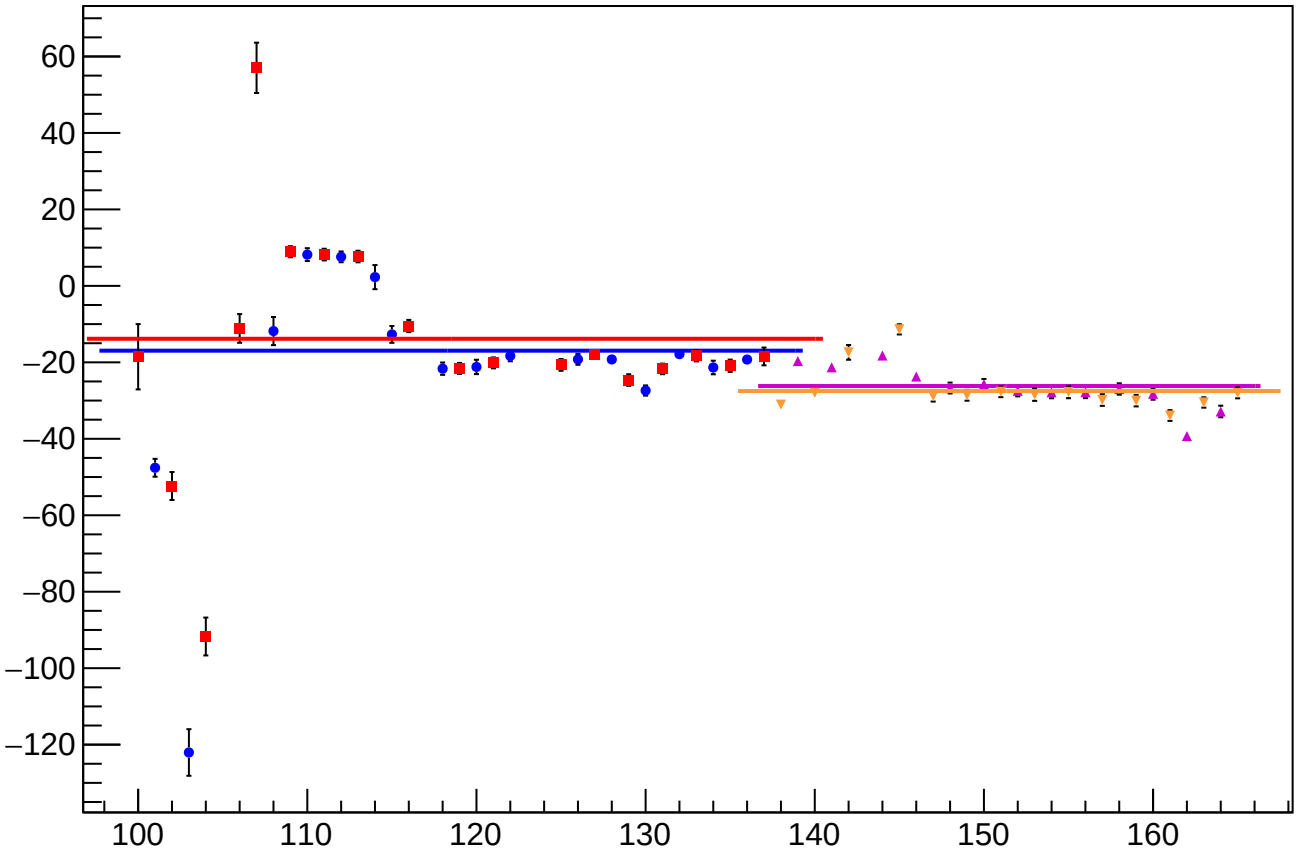
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -2.580+/-0.363 χ^2/NDF:1534.3/28

Out: -3.055+/-0.362 χ^2/NDF:1293.7/31

All: -2.818+/-0.256 χ^2/NDF: 2828.8/60


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -33.248+/-0.021 χ²/NDF:159822.6/13
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -33.140+/-0.021 χ²/NDF:127457.5/12
Left: -33.194+/-0.015 χ²/NDF: 287293.9/26
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -29.796+/-0.018 χ²/NDF:879448.9/28
Out: -30.715+/-0.018 χ²/NDF:774921.3/31
All: -30.249+/-0.013 χ²/NDF: 1655660.2/60



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.510+/-0.379 χ^2/NDF:215.1/13

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -26.197+/-0.384 χ^2/NDF:218.6/12

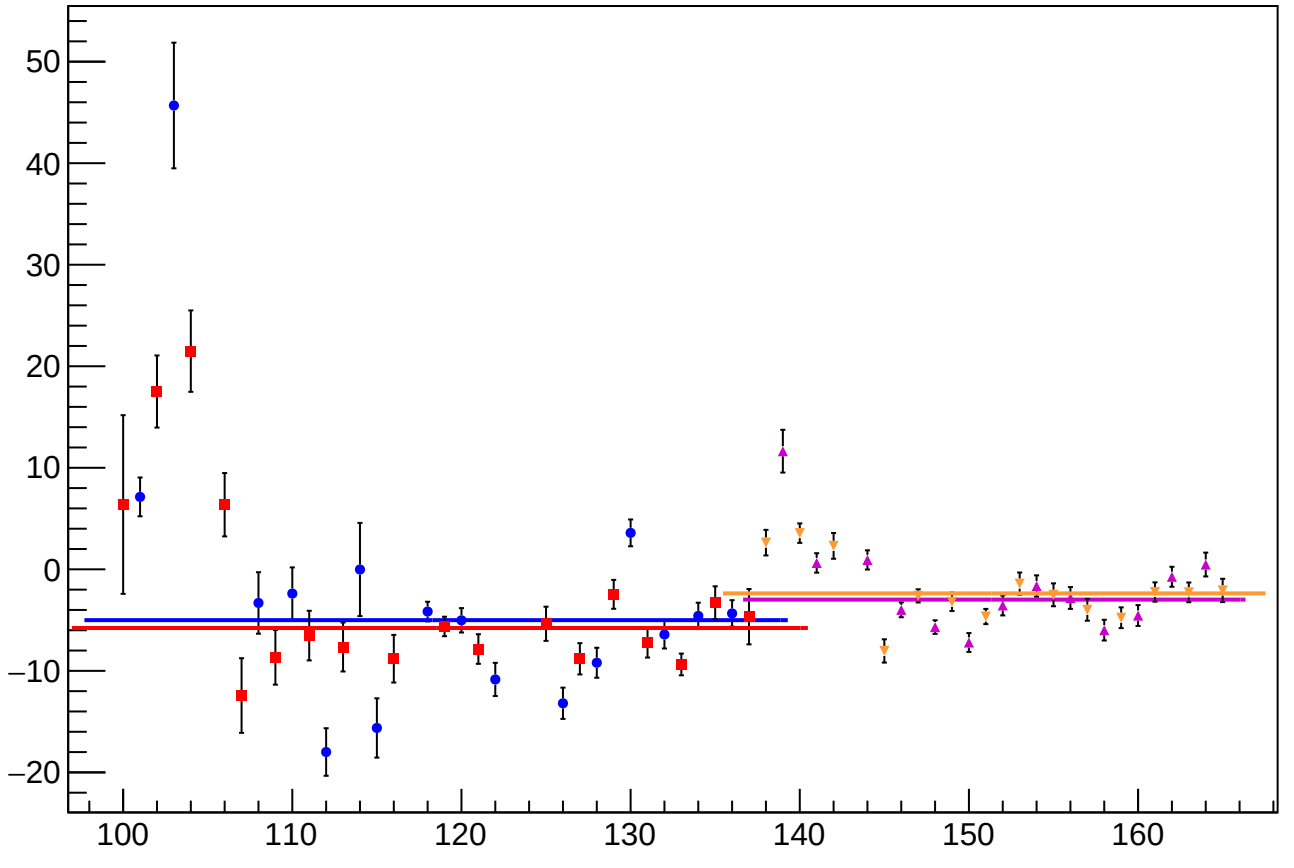
Left: -26.862+/-0.270 χ^2/NDF: 439.5/26

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -21.802+/-0.278 χ^2/NDF:1621.9/28

Out: -21.188+/-0.278 χ^2/NDF:2148.5/31

All: -21.495+/-0.197 χ^2/NDF: 3772.9/60



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.370+/-0.260 χ^2/NDF:110.9/13

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.984+/-0.265 χ^2/NDF:145.4/12

Left: -2.670+/-0.186 χ^2/NDF: 259.1/26

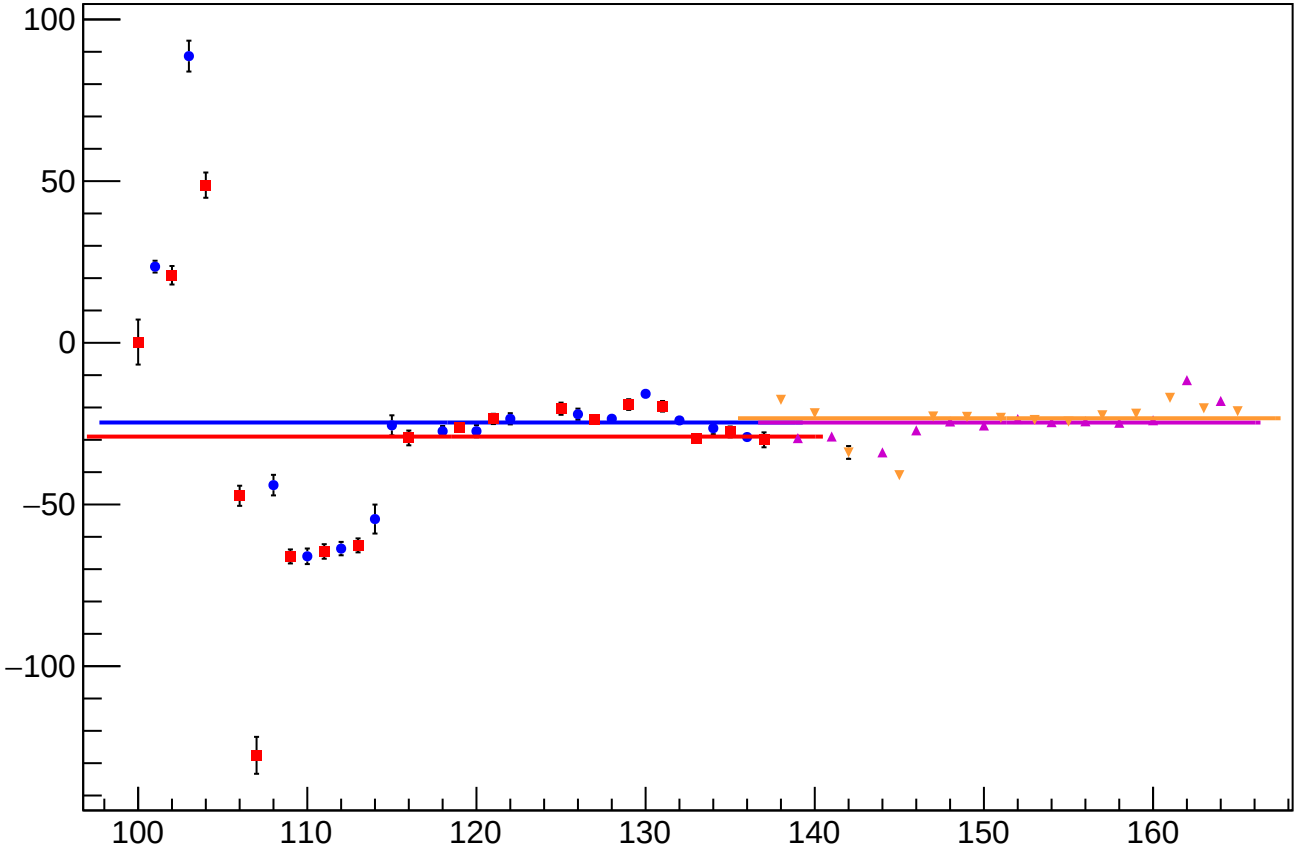
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.600+/-0.221 χ^2/NDF:410.8/28

Out: -3.314+/-0.221 χ^2/NDF:298.0/31

All: -3.456+/-0.156 χ^2/NDF: 709.7/60

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: -23.328+/-0.368 χ^2/NDF:250.1/13

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -24.656+/-0.371 χ^2/NDF:215.9/12

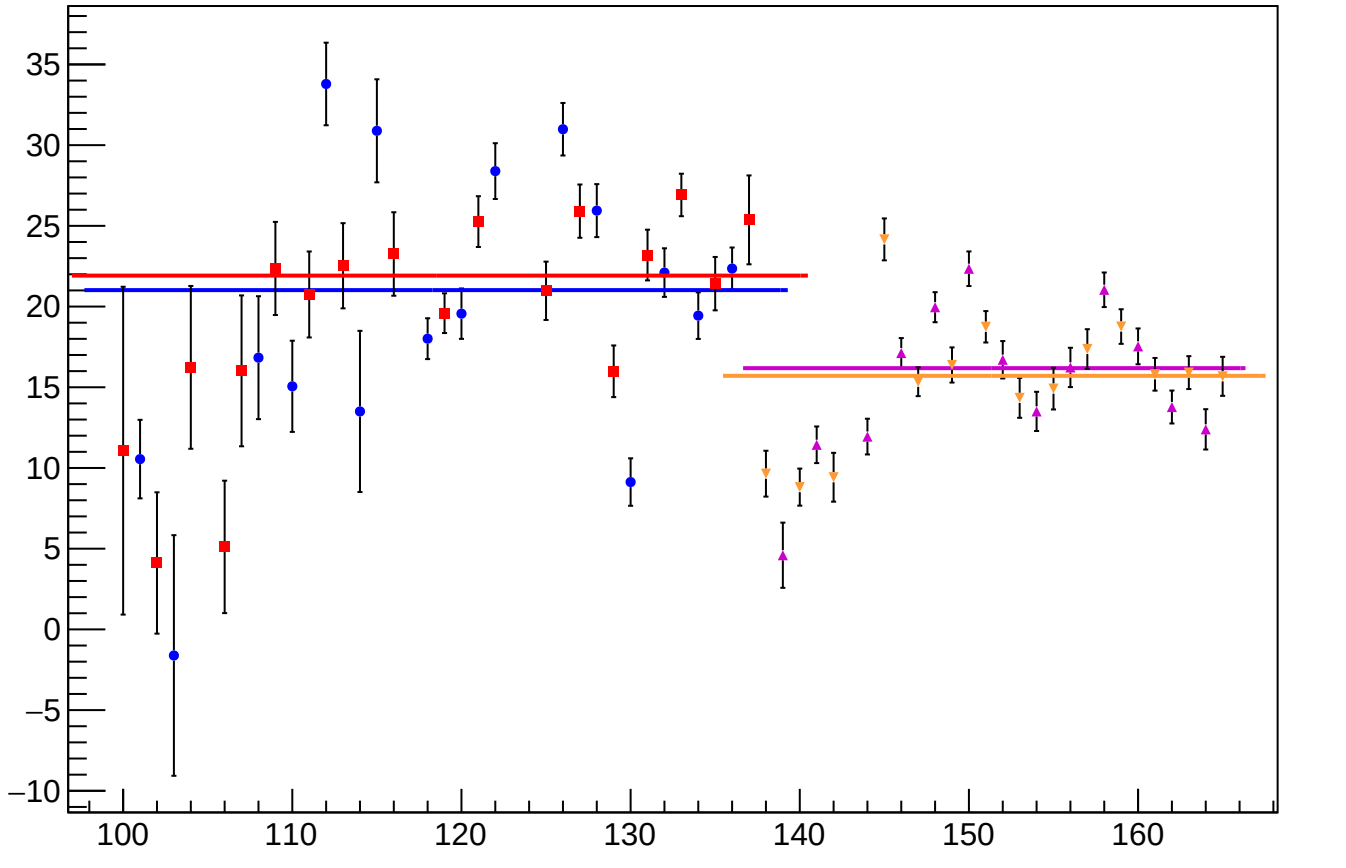
Left: -23.986+/-0.261 χ^2/NDF: 472.5/26

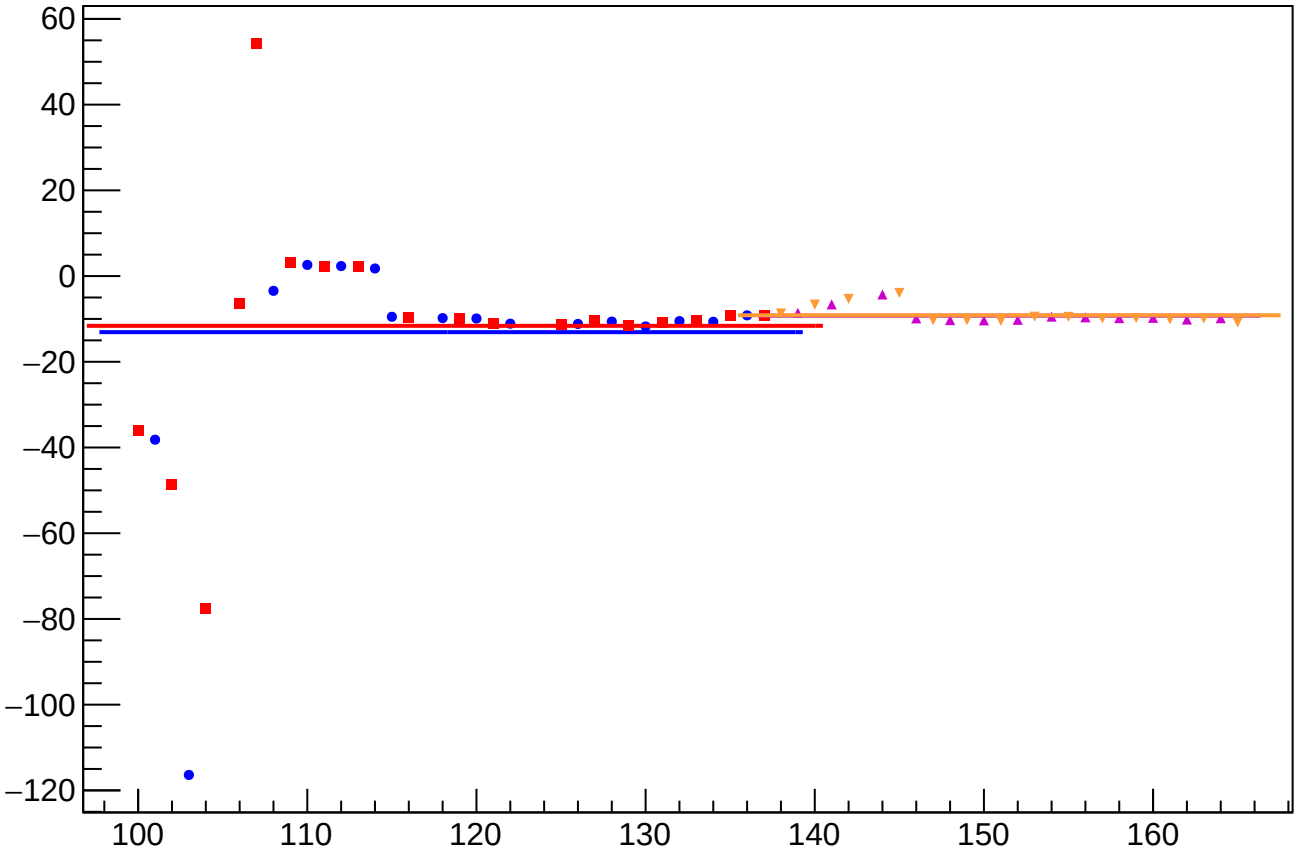
Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -24.650+/-0.288 χ^2/NDF:2267.8/28

Out: -25.457+/-0.291 χ^2/NDF:2291.5/31

All: -25.049+/-0.205 χ^2/NDF: 4563.1/60


reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 21.019+/-0.458 χ²/NDF: 209.6/15
Left Out: 15.709+/-0.303 χ²/NDF:135.8/13
Right Out: 21.918+/-0.478 χ²/NDF: 82.5/17
Left In: 16.185+/-0.310 χ²/NDF:157.5/12
Left: 15.942+/-0.217 χ²/NDF: 294.6/26
Right: 21.449+/-0.331 χ²/NDF: 294.0/33
In: 17.702+/-0.257 χ²/NDF:443.5/28
Out: 17.491+/-0.256 χ²/NDF:338.5/31
All: 17.596+/-0.181 χ²/NDF: 782.3/60



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.149+/-0.014 χ^2/NDF:17579.2/13

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.243+/-0.014 χ^2/NDF:11834.8/12

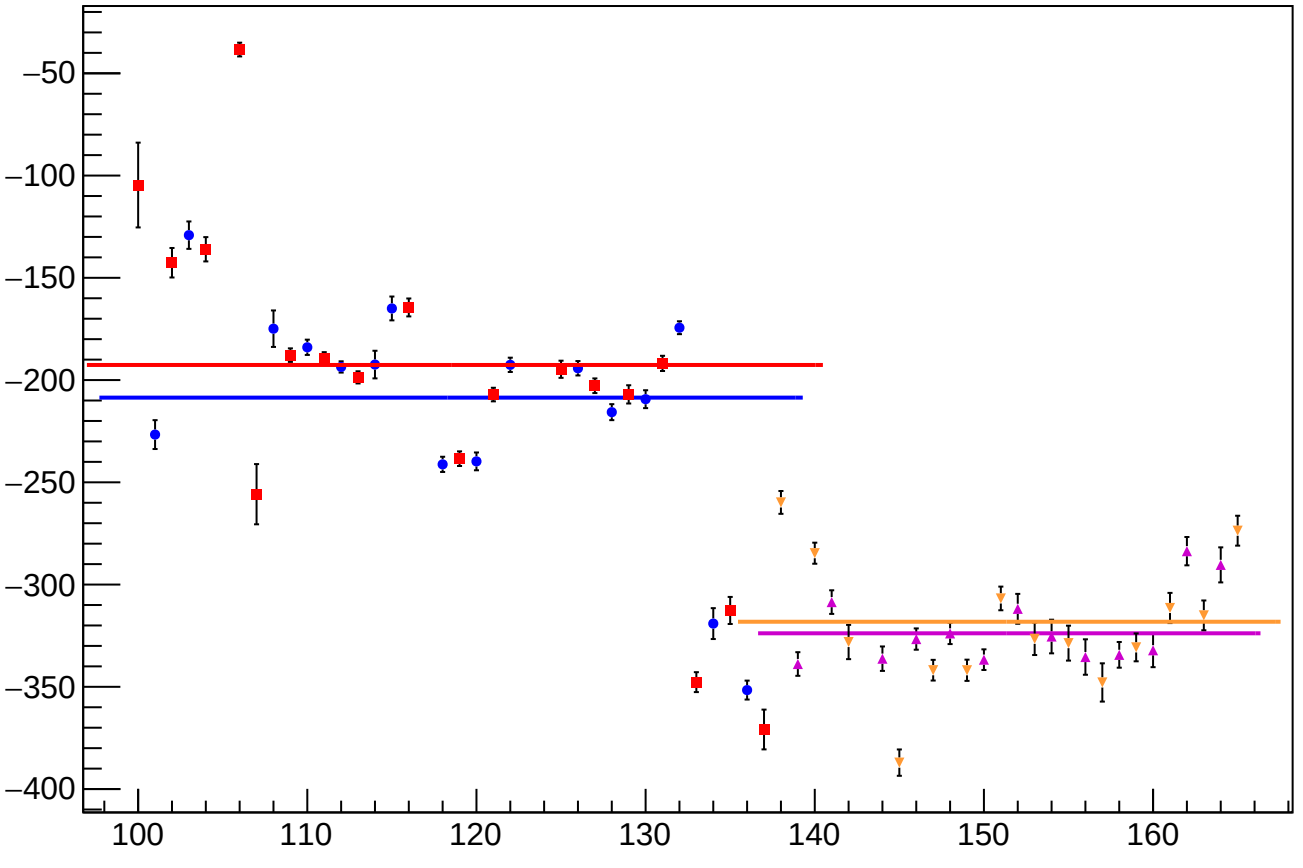
Left: -9.195+/-0.010 χ^2/NDF: 29436.9/26

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -9.990+/-0.013 χ^2/NDF:371519.7/28

Out: -9.563+/-0.013 χ^2/NDF:337043.2/31

All: -9.779+/-0.009 χ^2/NDF: 709136.7/60



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -318.179+/-1.734 χ^2/NDF:368.3/13

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -323.833+/-1.762 χ^2/NDF:82.1/12

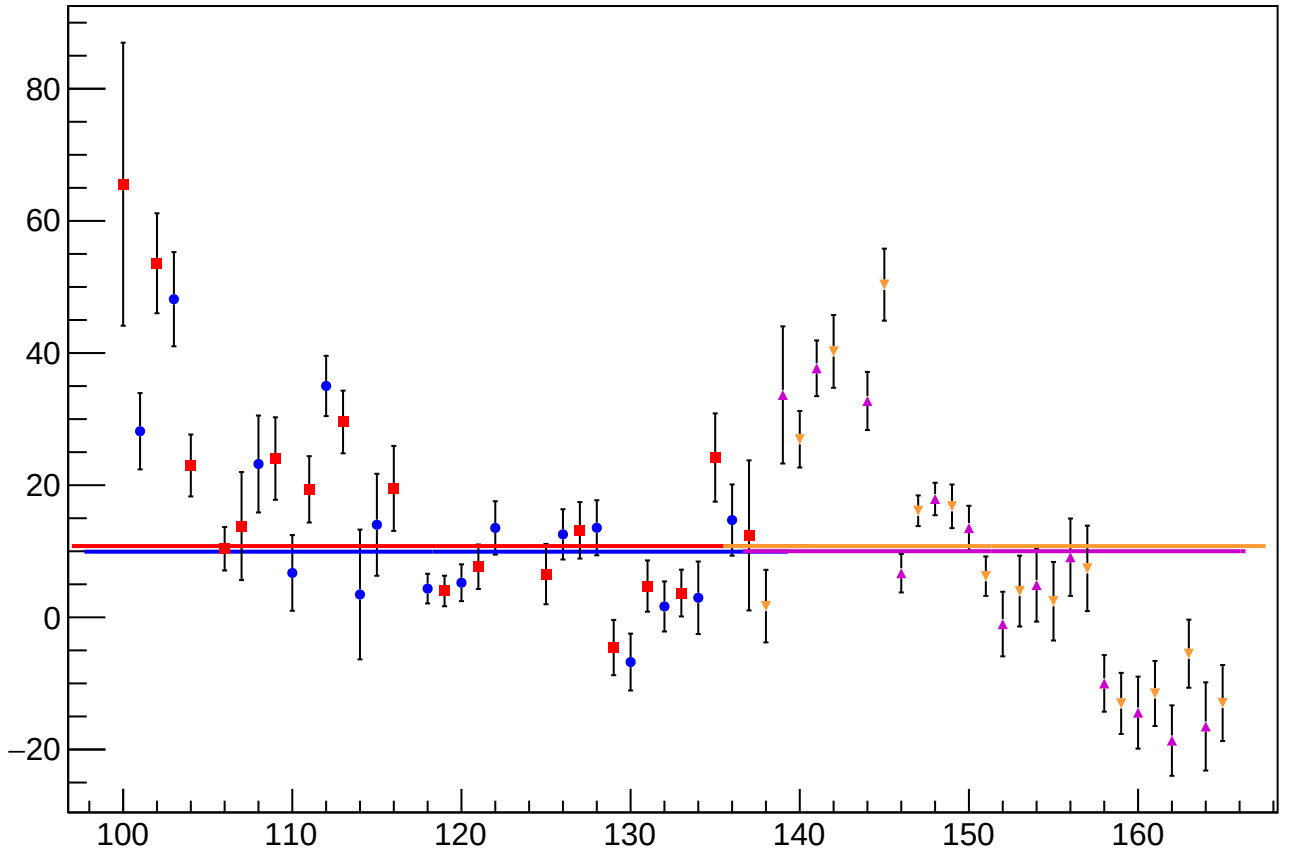
Left: -320.961+/-1.236 χ^2/NDF: 455.6/26

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -239.488+/-0.912 χ^2/NDF:4964.3/28

Out: -223.907+/-0.865 χ^2/NDF:8513.2/31

All: -231.287+/-0.628 χ^2/NDF: 13631.0/60



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 10.785+/-1.127 χ^2/NDF:187.3/13

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 10.008+/-1.164 χ^2/NDF:180.3/12

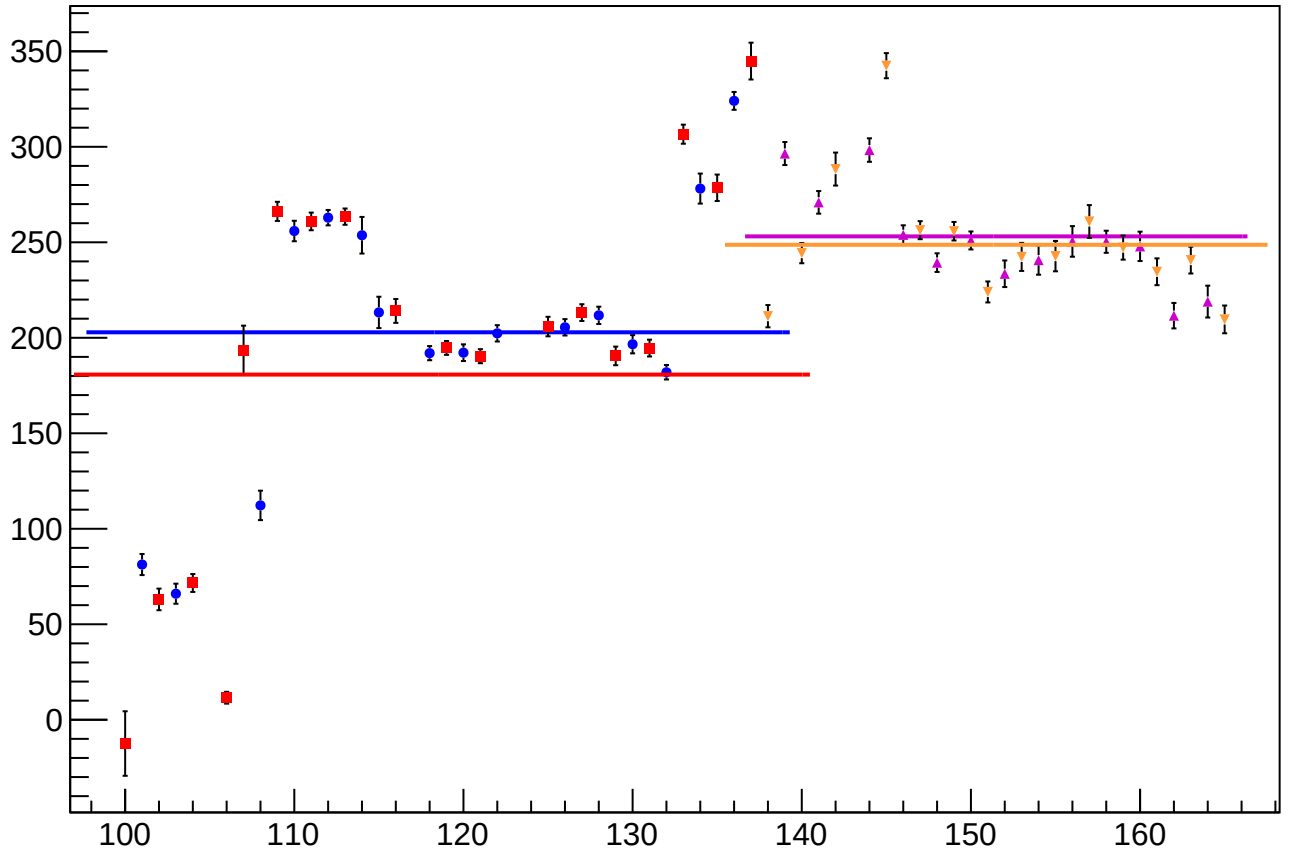
Left: 10.409+/-0.810 χ^2/NDF: 367.8/26

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.970+/-0.786 χ^2/NDF:286.8/28

Out: 10.787+/-0.766 χ^2/NDF:292.4/31

All: 10.389+/-0.548 χ^2/NDF: 579.8/60



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 248.694+/-1.679 χ^2/NDF:329.1/13

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 253.096+/-1.698 χ^2/NDF:190.0/12

Left: 250.869+/-1.194 χ^2/NDF: 522.5/26

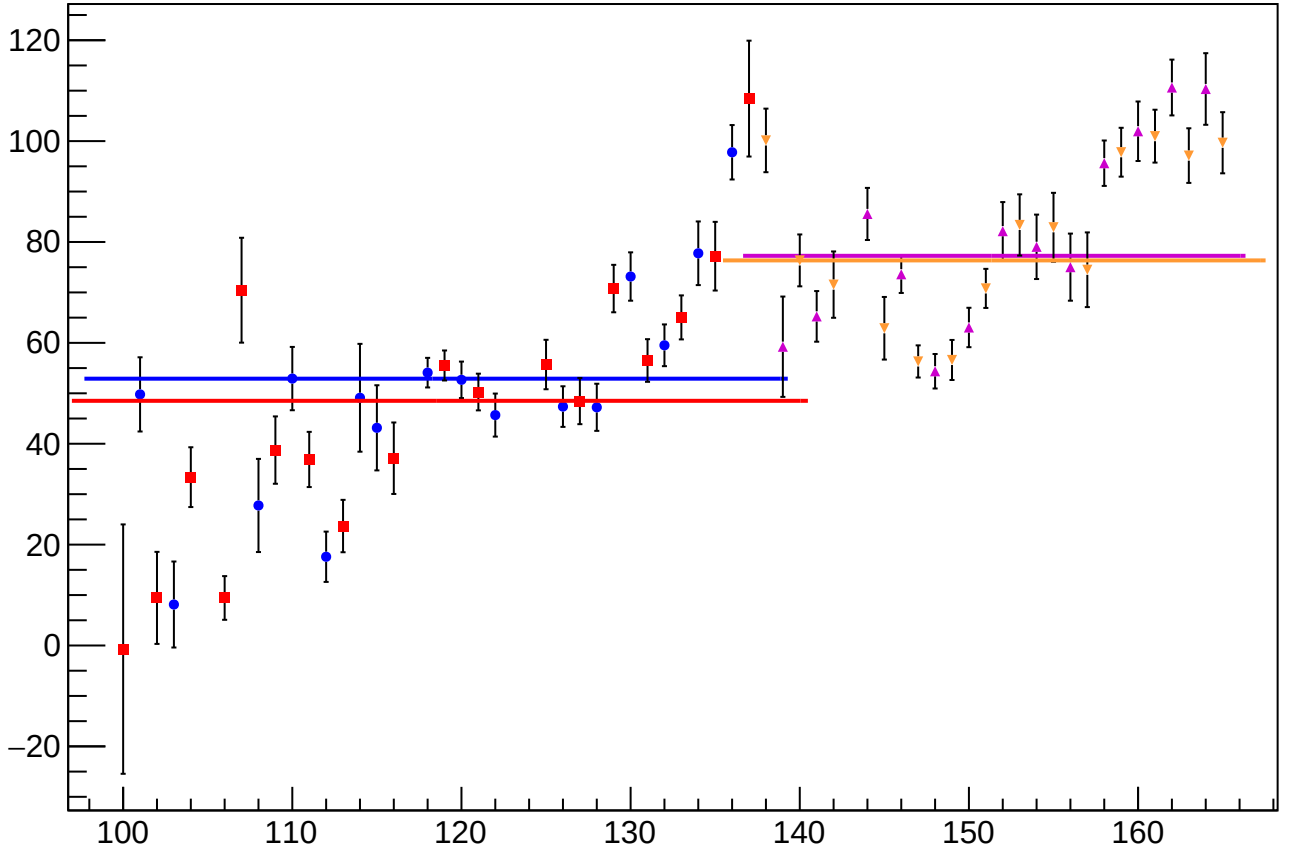
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 220.076+/-0.994 χ^2/NDF:3229.3/28

Out: 202.276+/-0.945 χ^2/NDF:7796.6/31

All: 210.730+/-0.685 χ^2/NDF: 11194.4/60

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: 76.348+/-1.351 χ^2/NDF:159.3/13

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.259+/-1.388 χ^2/NDF:163.8/12

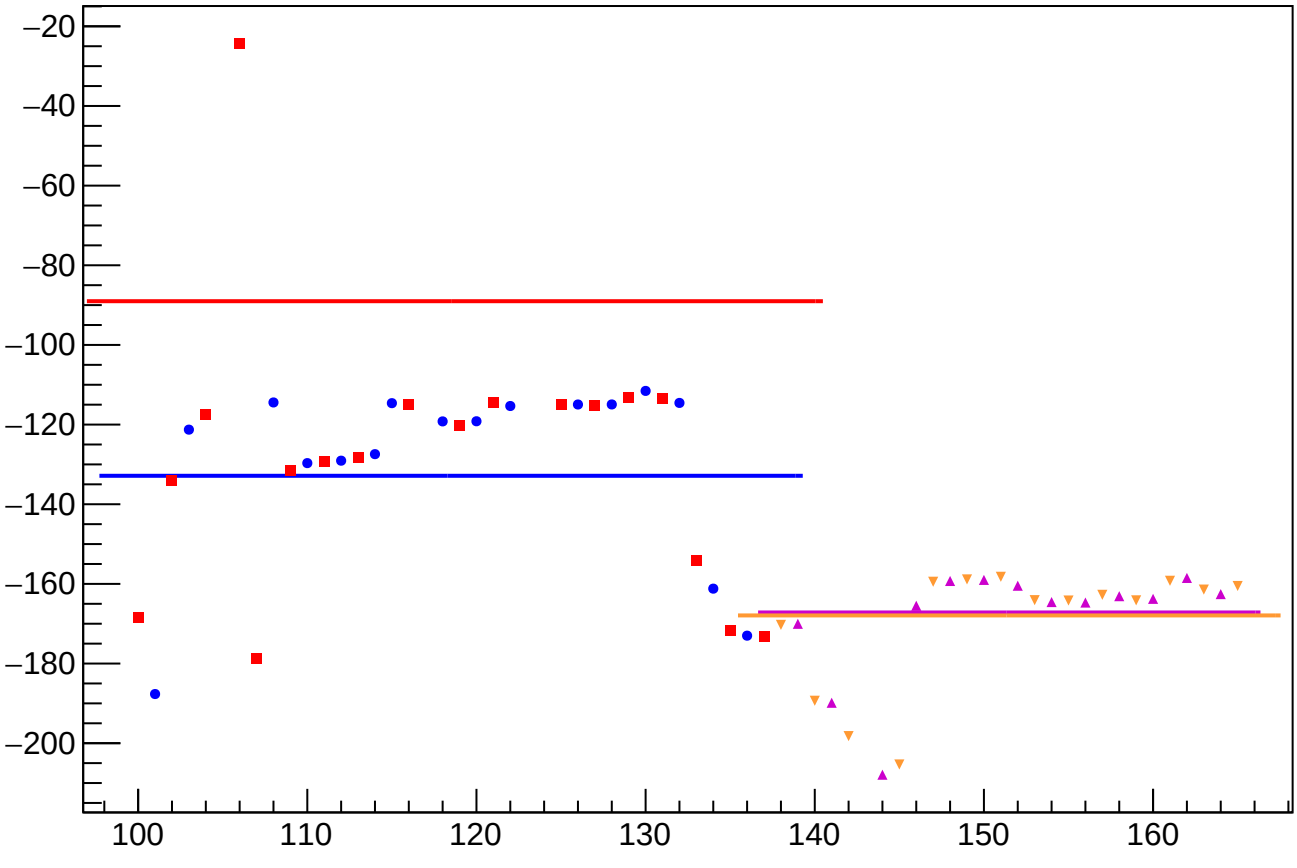
Left: 76.791+/-0.968 χ^2/NDF: 323.3/26

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 63.724+/-0.925 χ^2/NDF:533.2/28

Out: 60.947+/-0.903 χ^2/NDF:634.1/31

All: 62.302+/-0.646 χ^2/NDF: 1171.9/60



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -167.918+/-0.065 χ^2/NDF:45575.9/13

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -167.174+/-0.065 χ^2/NDF:37115.8/12

Left: -167.546+/-0.046 χ^2/NDF: 82757.1/26

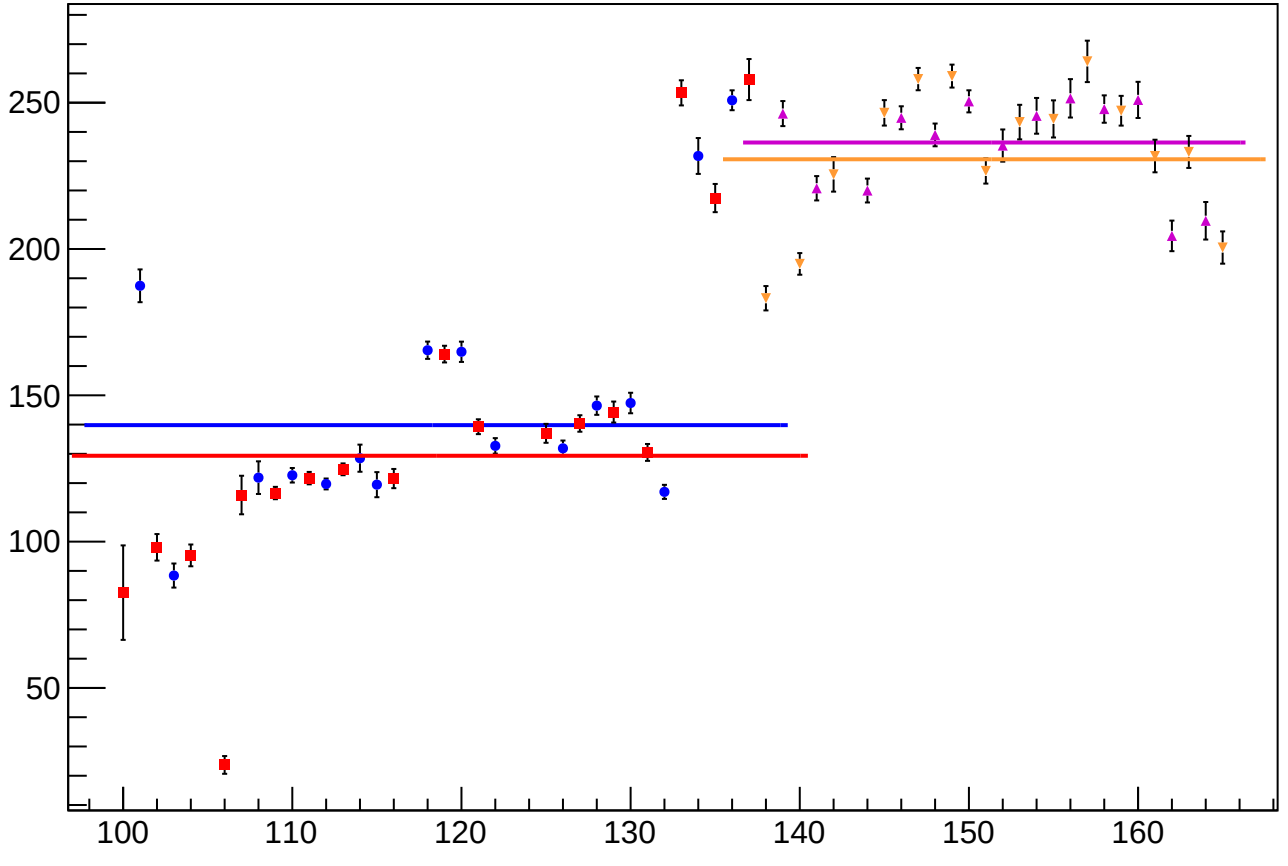
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -153.806+/-0.051 χ^2/NDF:239248.4/28

Out: -127.901+/-0.046 χ^2/NDF:1518713.1/31

All: -139.495+/-0.034 χ^2/NDF: 1901767.3/60

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 230.659+/-1.280 χ^2/NDF:415.1/13

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 236.388+/-1.303 χ^2/NDF:128.4/12

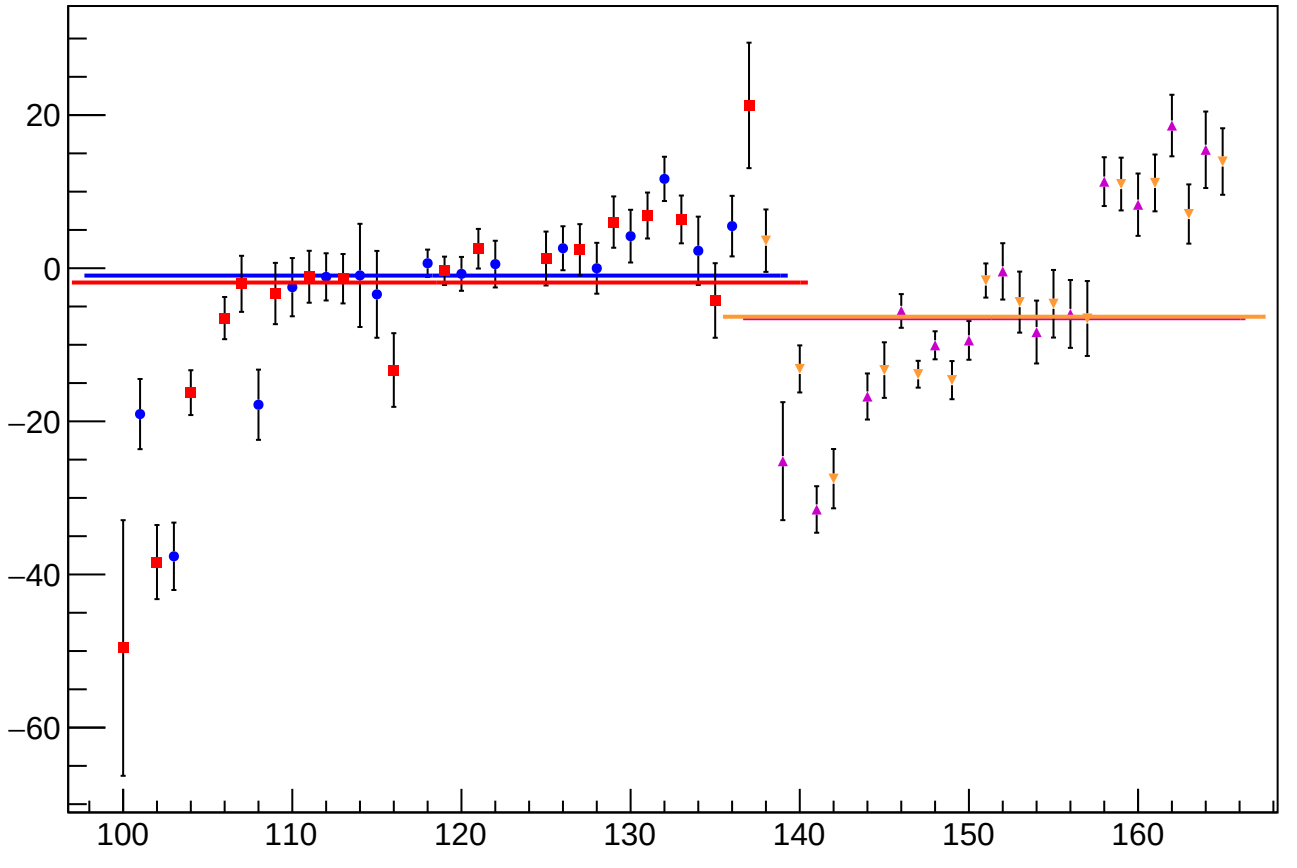
Left: 233.473+/-0.913 χ^2/NDF: 553.3/26

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.520+/-0.672 χ^2/NDF:6127.1/28

Out: 154.432+/-0.637 χ^2/NDF:8253.2/31

All: 159.678+/-0.462 χ^2/NDF: 14523.7/60



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -6.334+/-0.837 χ^2/NDF:159.9/13

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -6.532+/-0.863 χ^2/NDF:196.4/12

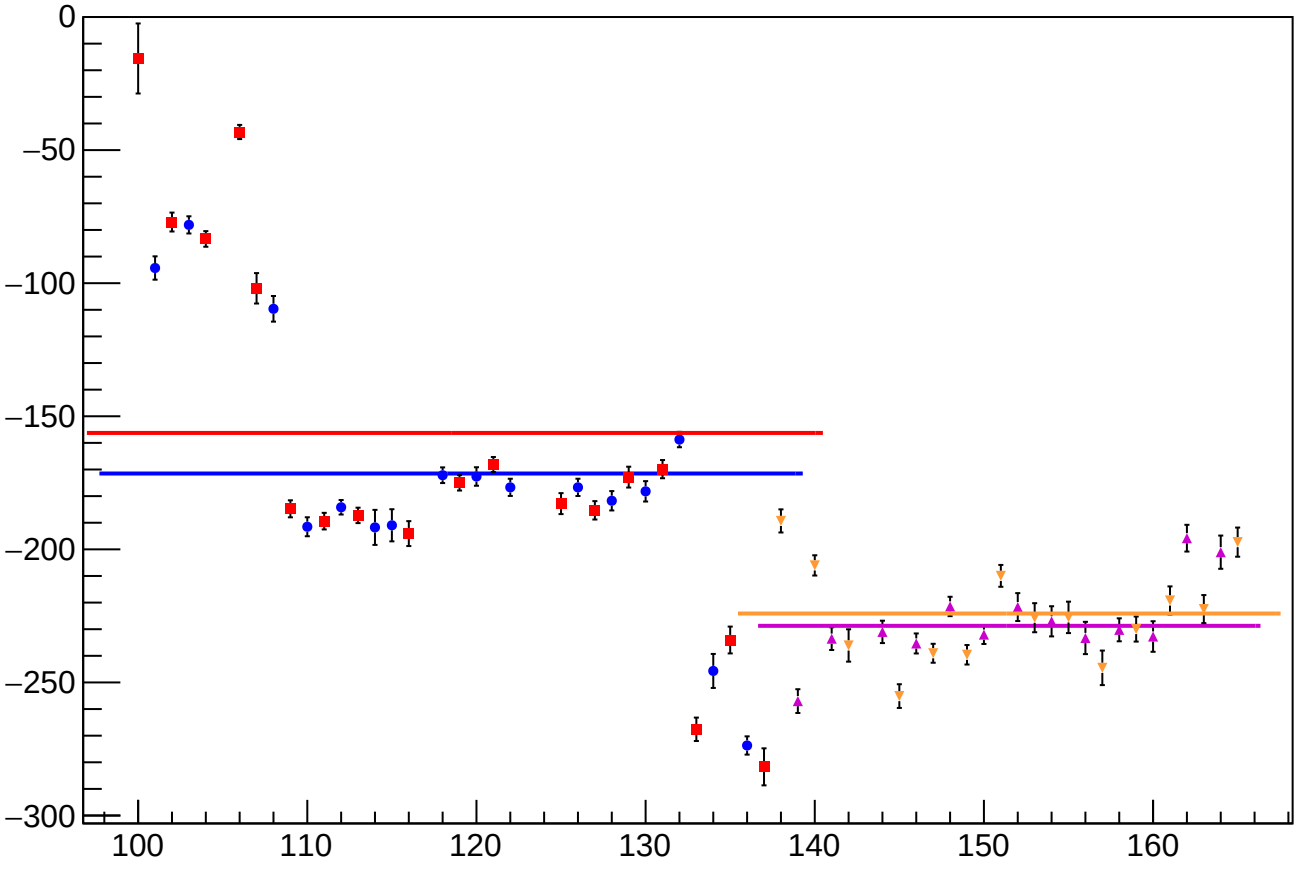
Left: -6.430+/-0.601 χ^2/NDF: 356.4/26

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.564+/-0.590 χ^2/NDF:344.7/28

Out: -3.956+/-0.572 χ^2/NDF:308.3/31

All: -3.766+/-0.411 χ^2/NDF: 653.2/60



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.111+/-1.242 χ^2/NDF:223.1/13

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -228.730+/-1.257 χ^2/NDF:115.4/12

Left: -226.392+/-0.883 χ^2/NDF: 345.3/26

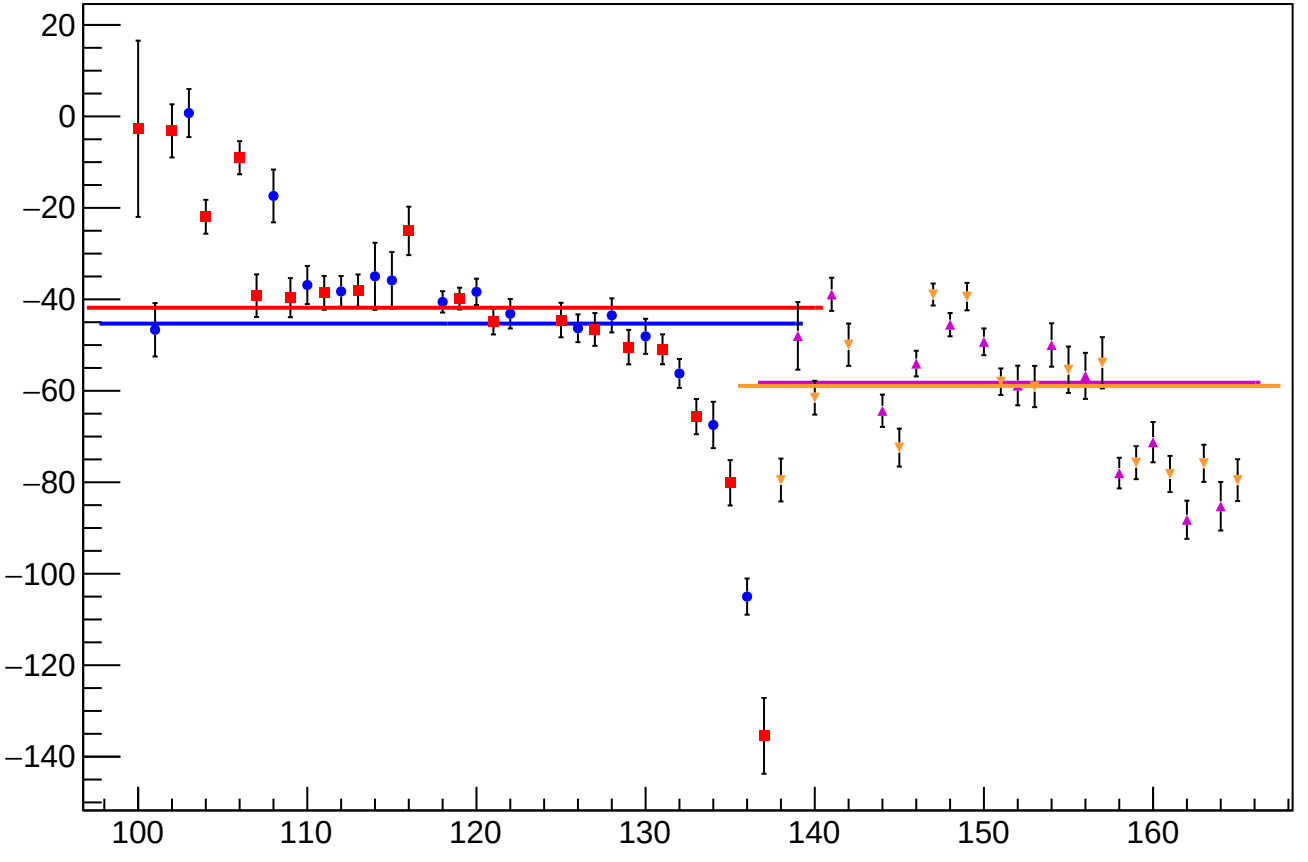
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -191.087+/-0.735 χ^2/NDF:3920.8/28

Out: -177.817+/-0.700 χ^2/NDF:7164.6/31

All: -184.123+/-0.507 χ^2/NDF: 11256.2/60

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: -58.924+/-1.002 χ^2/NDF:230.0/13

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -58.235+/-1.029 χ^2/NDF:193.9/12

Left: -58.589+/-0.718 χ^2/NDF: 424.2/26

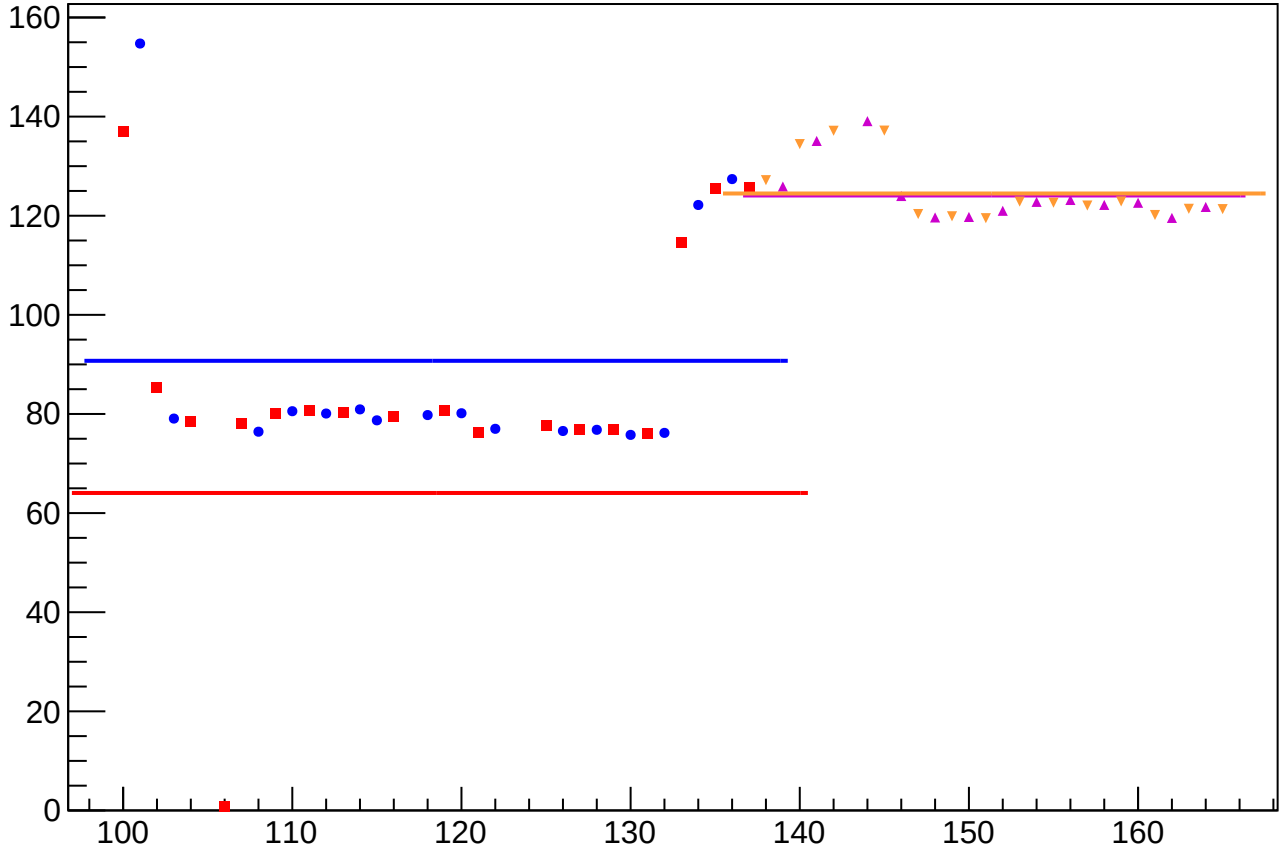
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -51.168+/-0.693 χ^2/NDF:662.2/28

Out: -49.551+/-0.673 χ^2/NDF:803.8/31

All: -50.336+/-0.483 χ^2/NDF: 1468.8/60

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: 124.485+/-0.048 χ^2/NDF:15371.6/13

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 124.084+/-0.048 χ^2/NDF:13509.3/12

Left: 124.284+/-0.034 χ^2/NDF: 28915.5/26

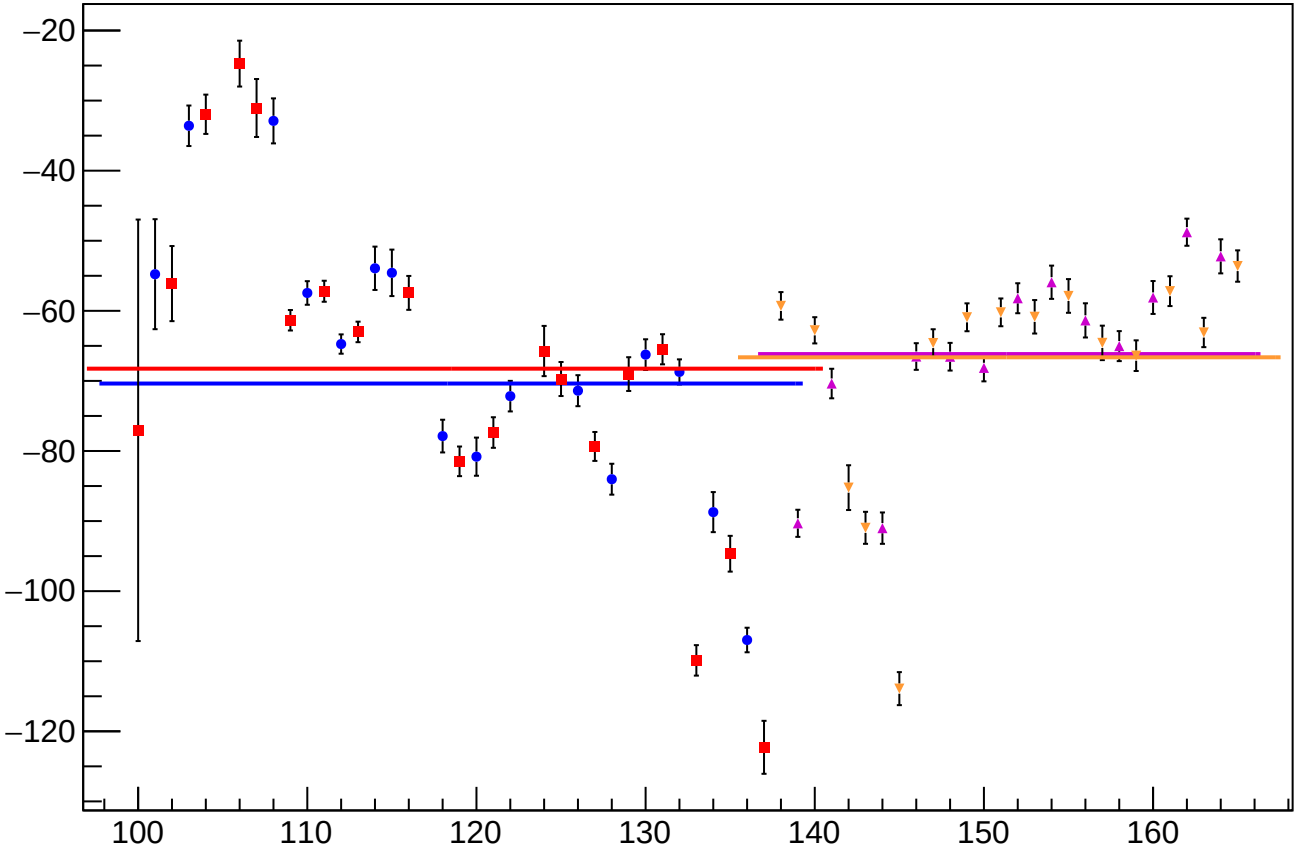
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 110.580+/-0.037 χ^2/NDF:368298.6/28

Out: 94.930+/-0.034 χ^2/NDF:1443938.1/31

All: 102.159+/-0.025 χ^2/NDF: 1907419.4/60

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: -66.631+/-0.563 χ^2/NDF:664.4/14

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -66.169+/-0.588 χ^2/NDF:446.1/12

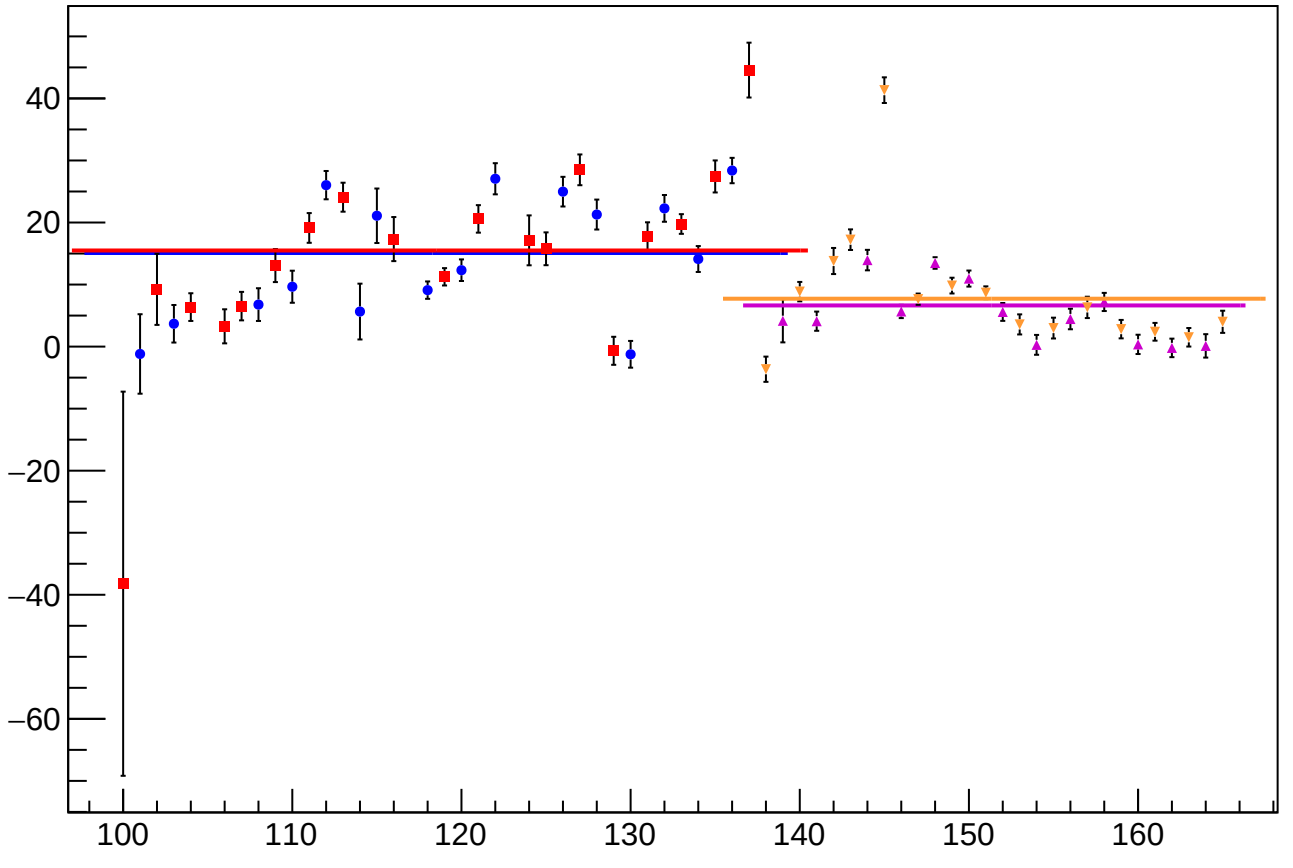
Left: -66.410+/-0.407 χ^2/NDF: 1110.8/27

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -68.382+/-0.405 χ^2/NDF:1448.0/28

Out: -67.496+/-0.385 χ^2/NDF:1974.7/33

All: -67.917+/-0.279 χ^2/NDF: 3425.2/62



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.720+/-0.377 χ^2/NDF:402.2/14

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.635+/-0.397 χ^2/NDF:156.1/12

Left: 7.206+/-0.273 χ^2/NDF: 562.2/27

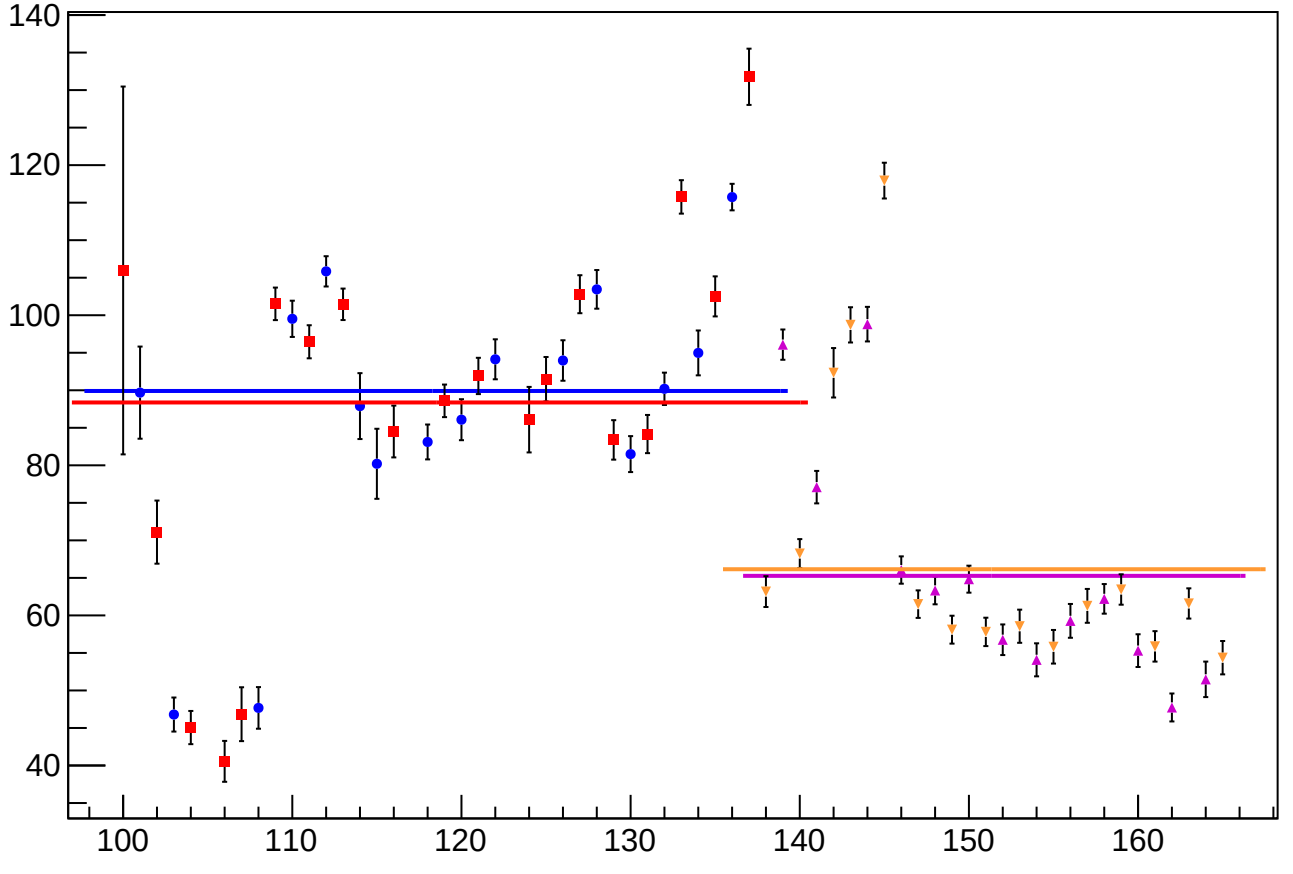
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 9.330+/-0.328 χ^2/NDF:542.9/28

Out: 10.155+/-0.312 χ^2/NDF:774.6/33

All: 9.762+/-0.226 χ^2/NDF: 1320.8/62

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: 66.153+/-0.546 χ^2/NDF:873.9/14

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 65.272+/-0.565 χ^2/NDF:672.7/12

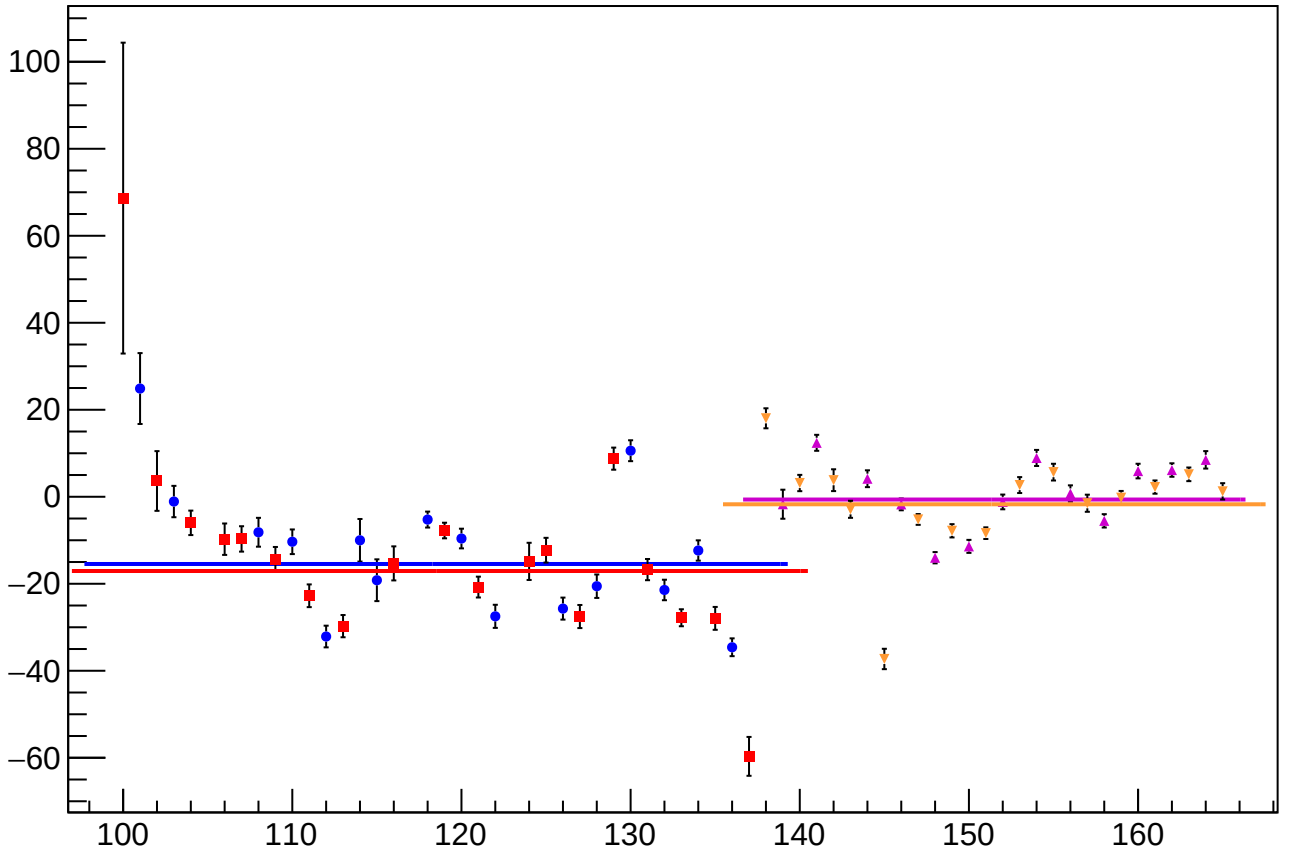
Left: 65.728+/-0.393 χ^2/NDF: 1547.9/27

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 76.056+/-0.424 χ^2/NDF:2451.7/28

Out: 75.897+/-0.409 χ^2/NDF:2890.1/33

All: 75.974+/-0.294 χ^2/NDF: 5341.9/62



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.729+/-0.444 χ^2/NDF:414.9/14

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.635+/-0.466 χ^2/NDF:308.1/12

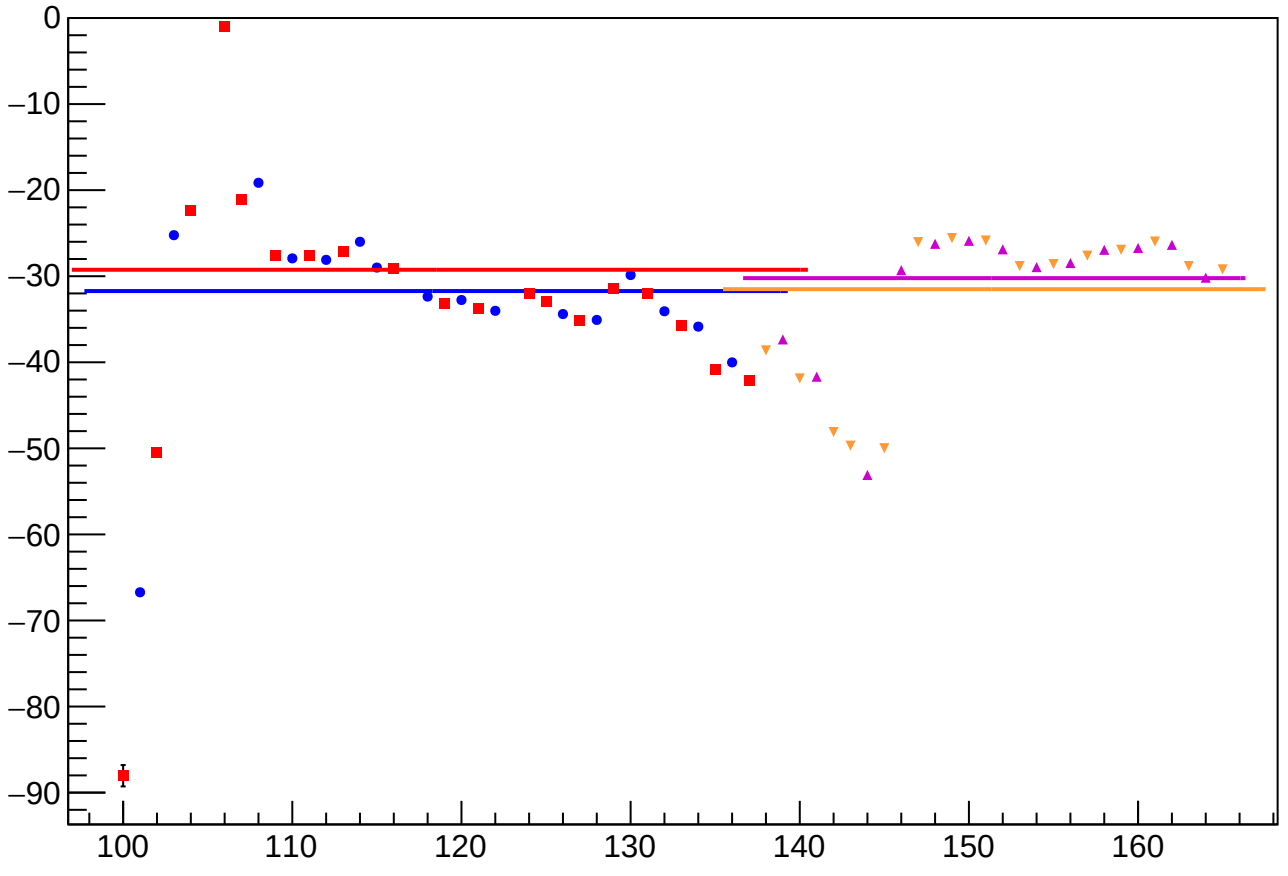
Left: -1.208+/-0.322 χ^2/NDF: 725.8/27

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -5.514+/-0.382 χ^2/NDF:1027.2/28

Out: -6.675+/-0.366 χ^2/NDF:1160.6/33

All: -6.120+/-0.264 χ^2/NDF: 2192.6/62



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.506+/-0.021 χ^2/NDF:144964.2/14

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.224+/-0.021 χ^2/NDF:92692.6/12

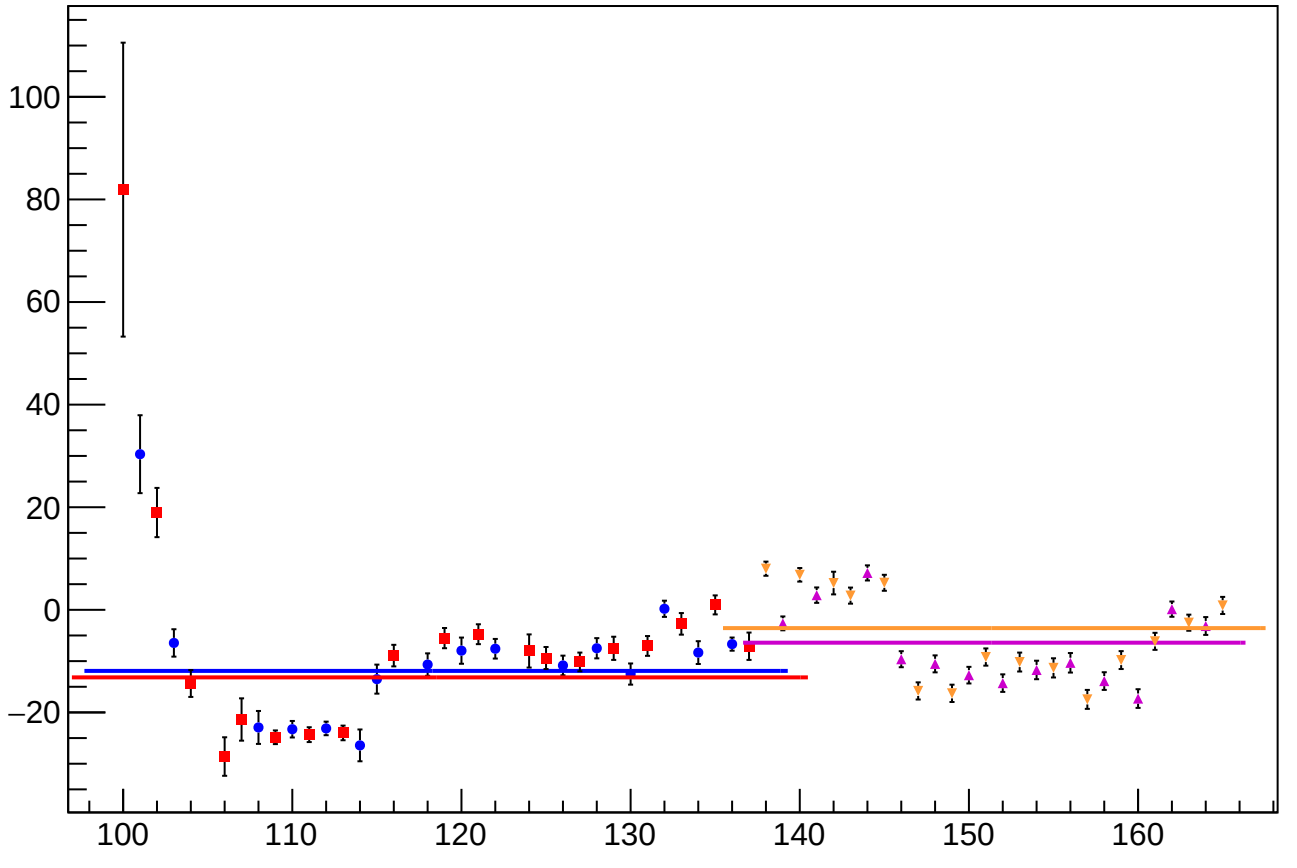
Left: -30.880+/-0.015 χ^2/NDF: 239523.0/27

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.574+/-0.019 χ^2/NDF:133494.0/28

Out: -30.997+/-0.018 χ^2/NDF:242868.7/33

All: -30.790+/-0.013 χ^2/NDF: 376627.2/62



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.564+/-0.426 χ^2/NDF:427.1/14

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -6.408+/-0.449 χ^2/NDF:268.2/12

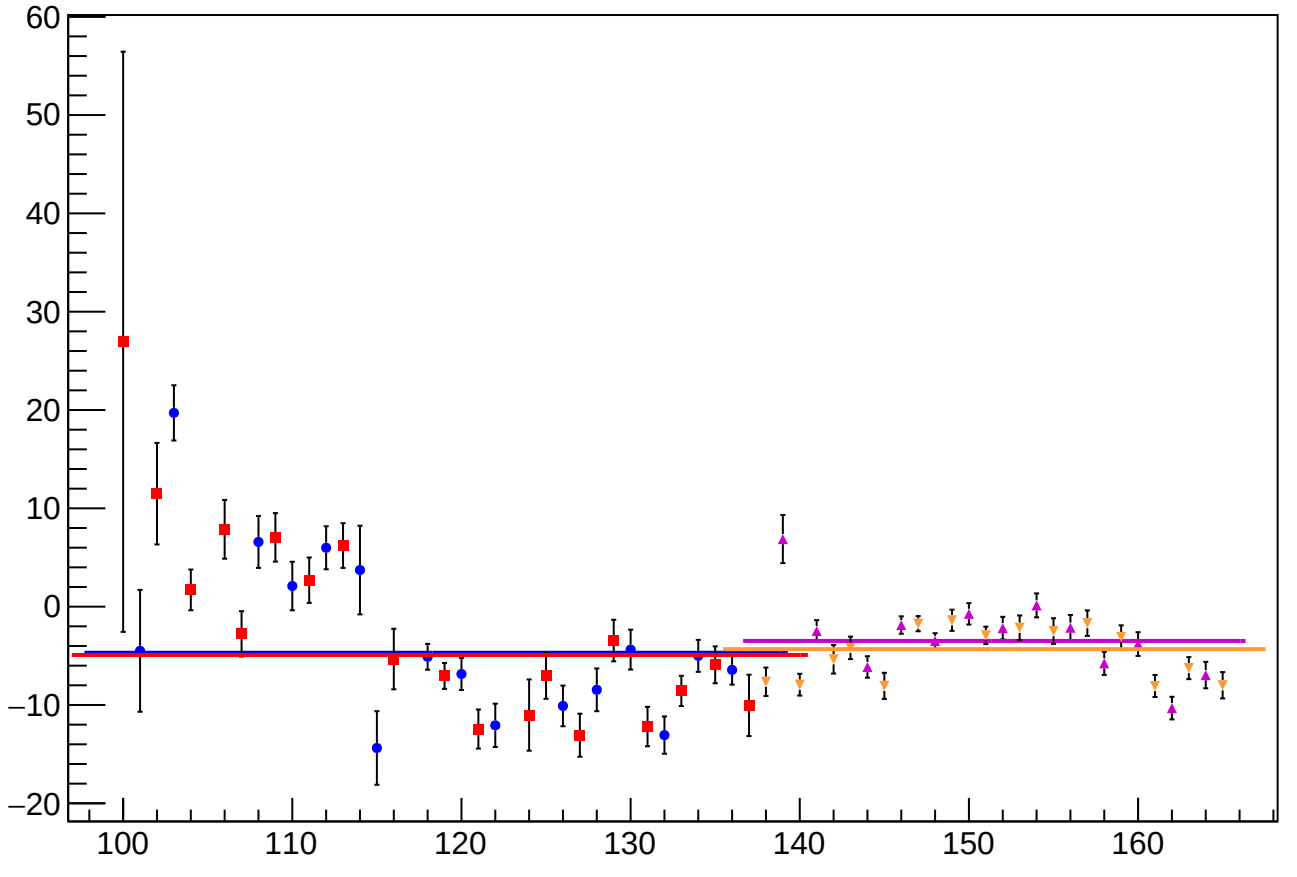
Left: -4.910+/-0.309 χ^2/NDF: 716.4/27

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -8.882+/-0.333 χ^2/NDF:617.7/28

Out: -7.795+/-0.319 χ^2/NDF:1072.6/33

All: -8.314+/-0.230 χ^2/NDF: 1695.8/62



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.322+/-0.293 χ^2/NDF:77.6/14

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.485+/-0.311 χ^2/NDF:91.5/12

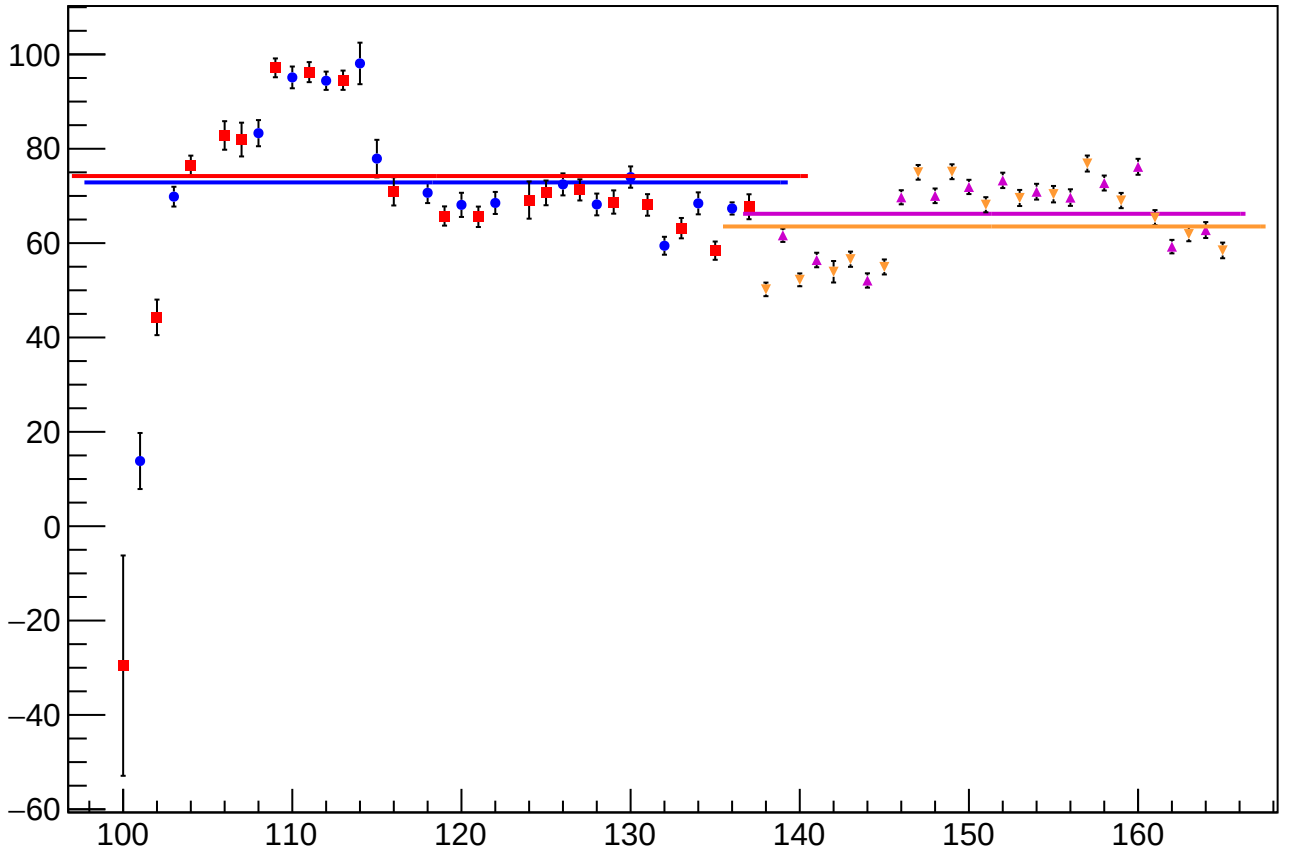
Left: -3.928+/-0.213 χ^2/NDF: 172.9/27

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.804+/-0.267 χ^2/NDF:274.5/28

Out: -4.468+/-0.255 χ^2/NDF:234.5/33

All: -4.151+/-0.184 χ^2/NDF: 512.2/62



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.528+/-0.415 χ^2/NDF:449.8/14

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 66.216+/-0.434 χ^2/NDF:273.0/12

Left: 64.812+/-0.300 χ^2/NDF: 742.8/27

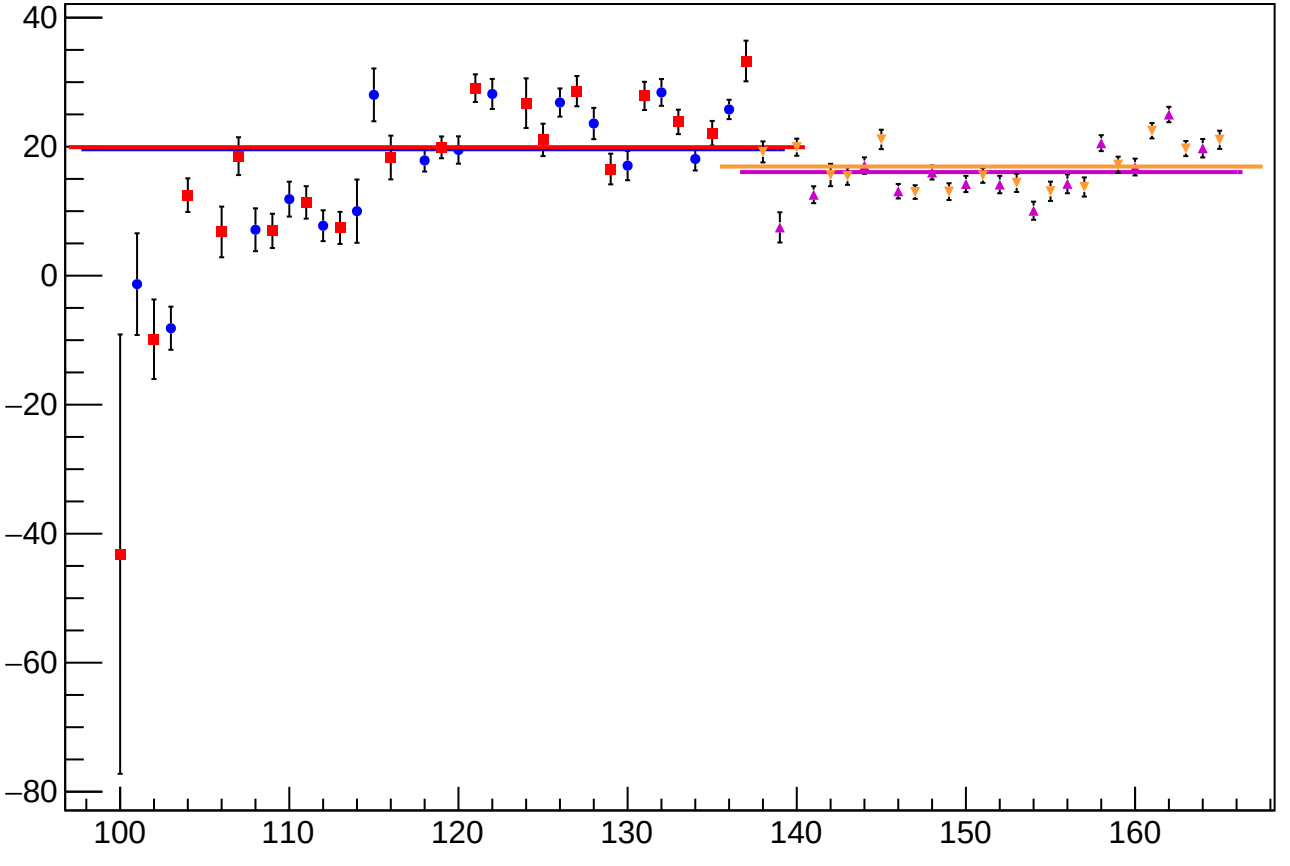
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.685+/-0.344 χ^2/NDF:810.7/28

Out: 67.301+/-0.334 χ^2/NDF:1269.8/33

All: 67.972+/-0.240 χ^2/NDF: 2088.9/62

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: 16.920+/-0.343 χ^2/NDF:91.5/14

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.058+/-0.363 χ^2/NDF:128.2/12

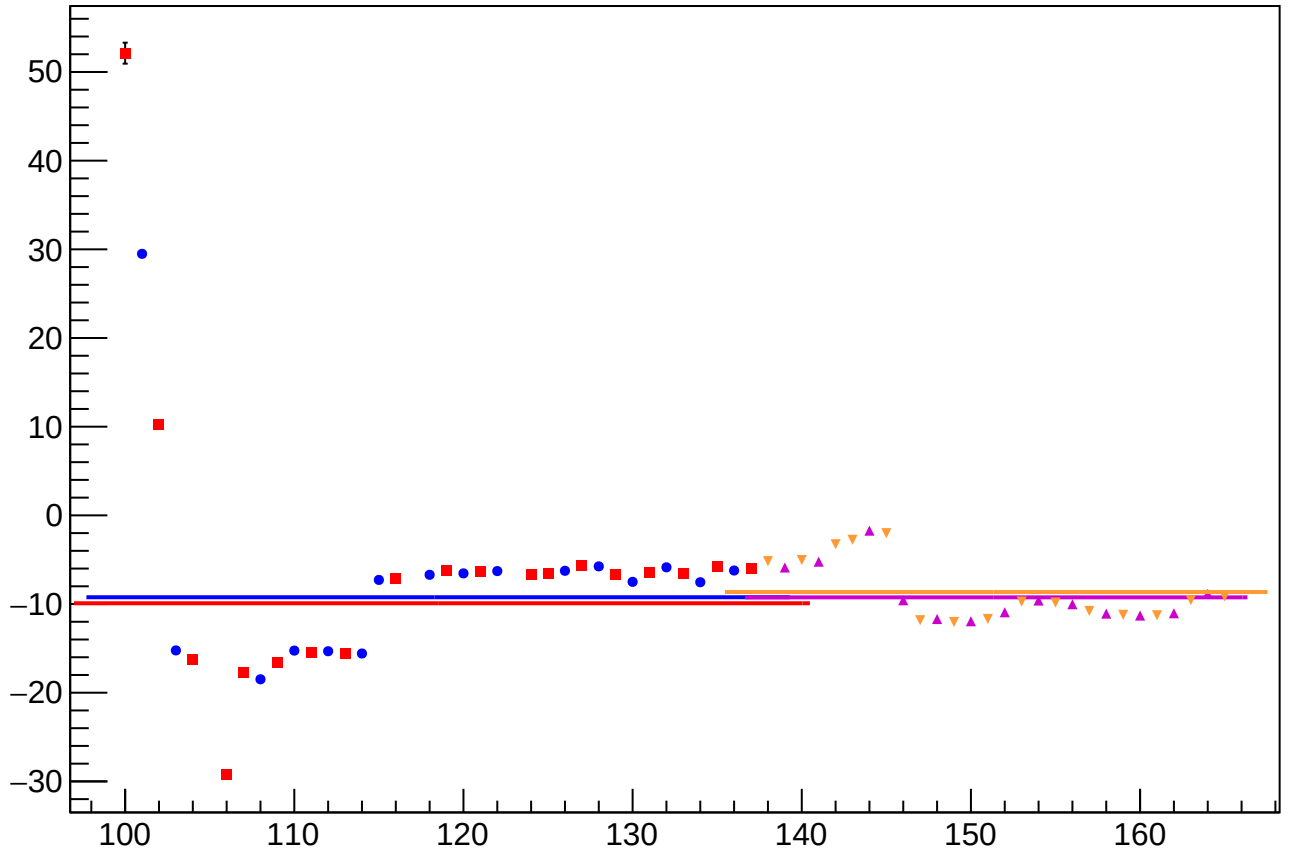
Left: 16.513+/-0.249 χ^2/NDF: 222.7/27

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.041+/-0.308 χ^2/NDF:350.6/28

Out: 17.686+/-0.296 χ^2/NDF:292.4/33

All: 17.377+/-0.214 χ^2/NDF: 645.3/62



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.645+/-0.016 χ^2/NDF:43610.6/14

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.247+/-0.016 χ^2/NDF:28871.8/12

Left: -8.936+/-0.011 χ^2/NDF: 73184.5/27

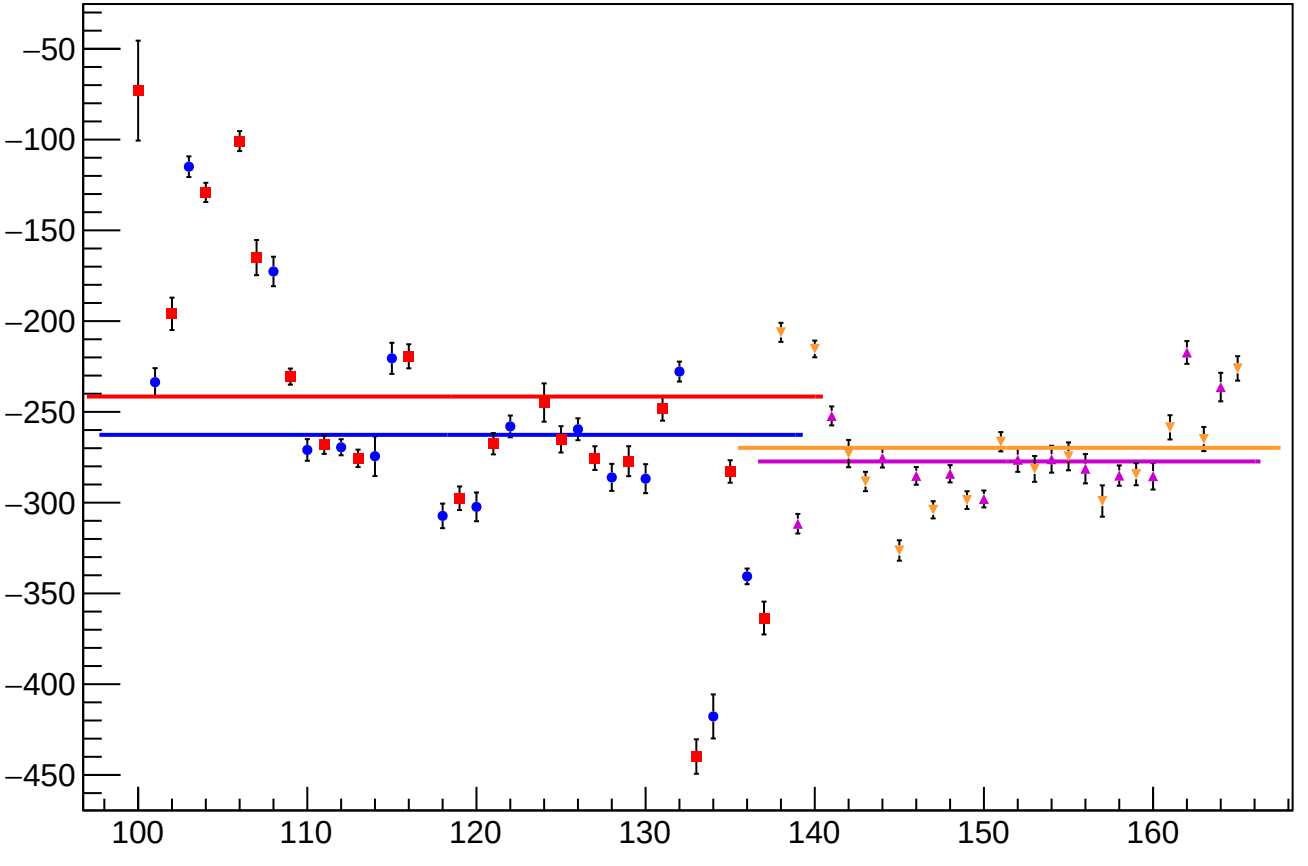
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.244+/-0.015 χ^2/NDF:60031.1/28

Out: -8.865+/-0.014 χ^2/NDF:98593.8/33

All: -9.051+/-0.010 χ^2/NDF: 158967.9/62

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -269.809+/-1.518 χ^2/NDF:552.6/14

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -277.307+/-1.609 χ^2/NDF:209.8/12

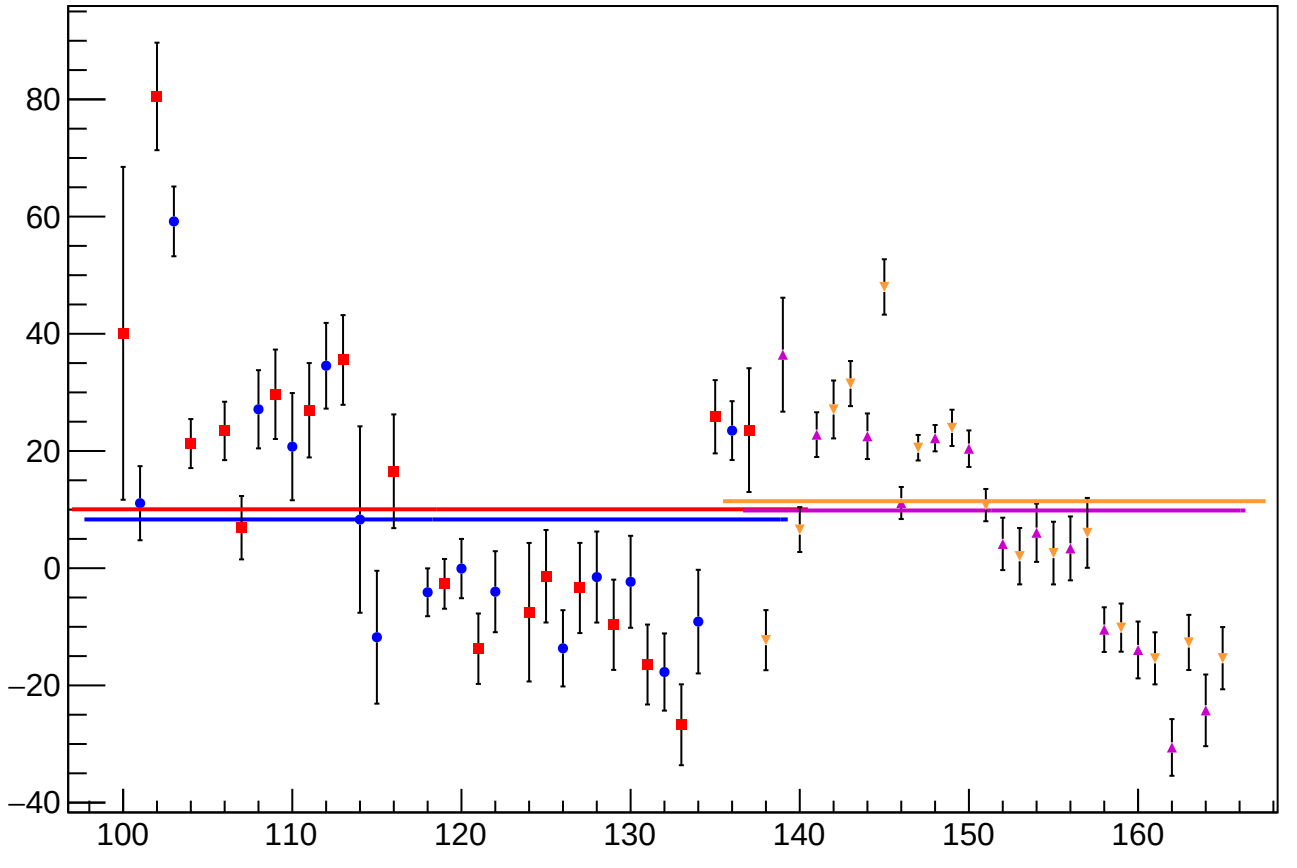
Left: -273.340+/-1.104 χ^2/NDF: 773.8/27

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -269.998+/-1.139 χ^2/NDF:1705.5/28

Out: -255.569+/-1.069 χ^2/NDF:2865.8/33

All: -262.325+/-0.780 χ^2/NDF: 4656.6/62



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 11.435+/-0.998 χ^2/NDF:277.1/14

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 9.851+/-1.063 χ^2/NDF:228.6/12

Left: 10.692+/-0.728 χ^2/NDF: 506.8/27

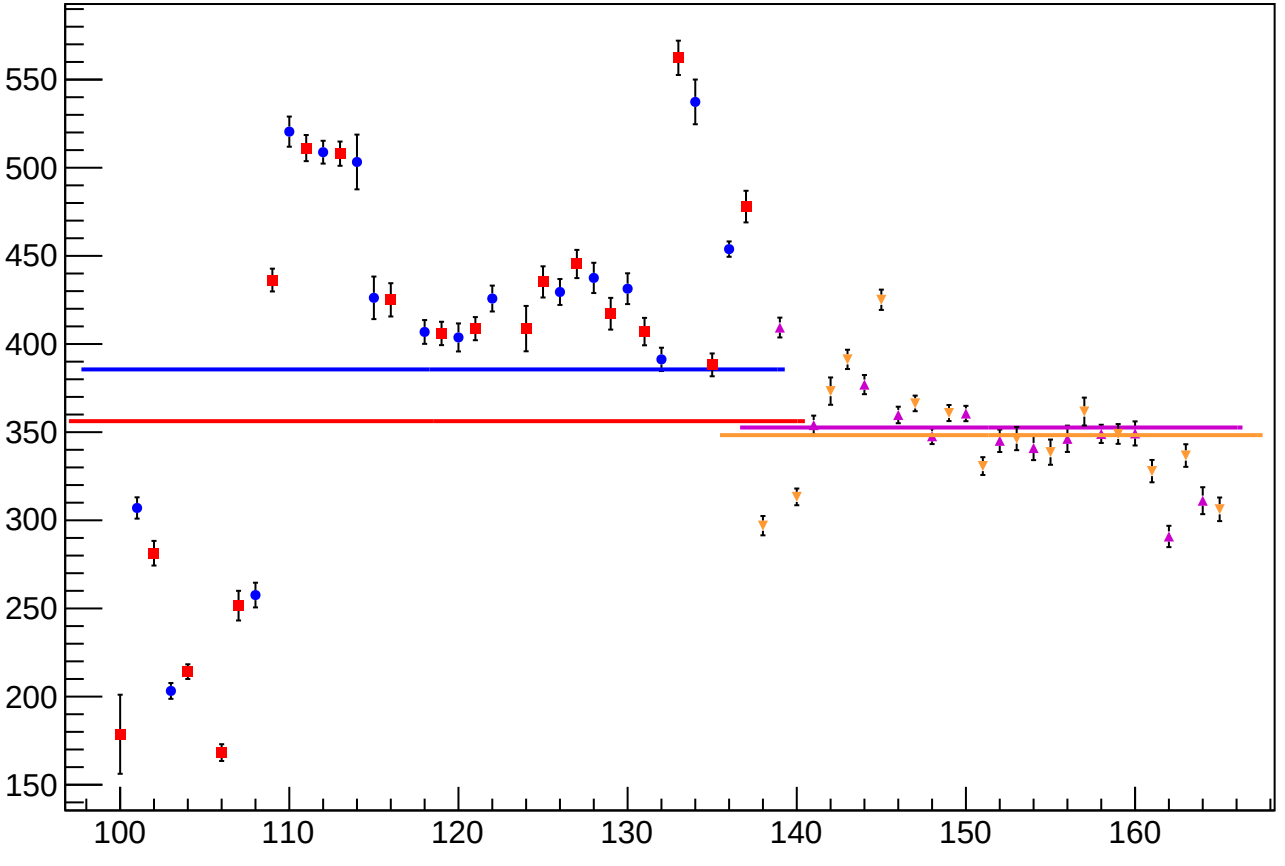
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 9.399+/-0.893 χ^2/NDF:386.8/28

Out: 11.025+/-0.838 χ^2/NDF:465.1/33

All: 10.264+/-0.611 χ^2/NDF: 853.7/62

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: 348.317+/-1.477 χ^2/NDF:486.4/14

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 352.647+/-1.550 χ^2/NDF:268.2/12

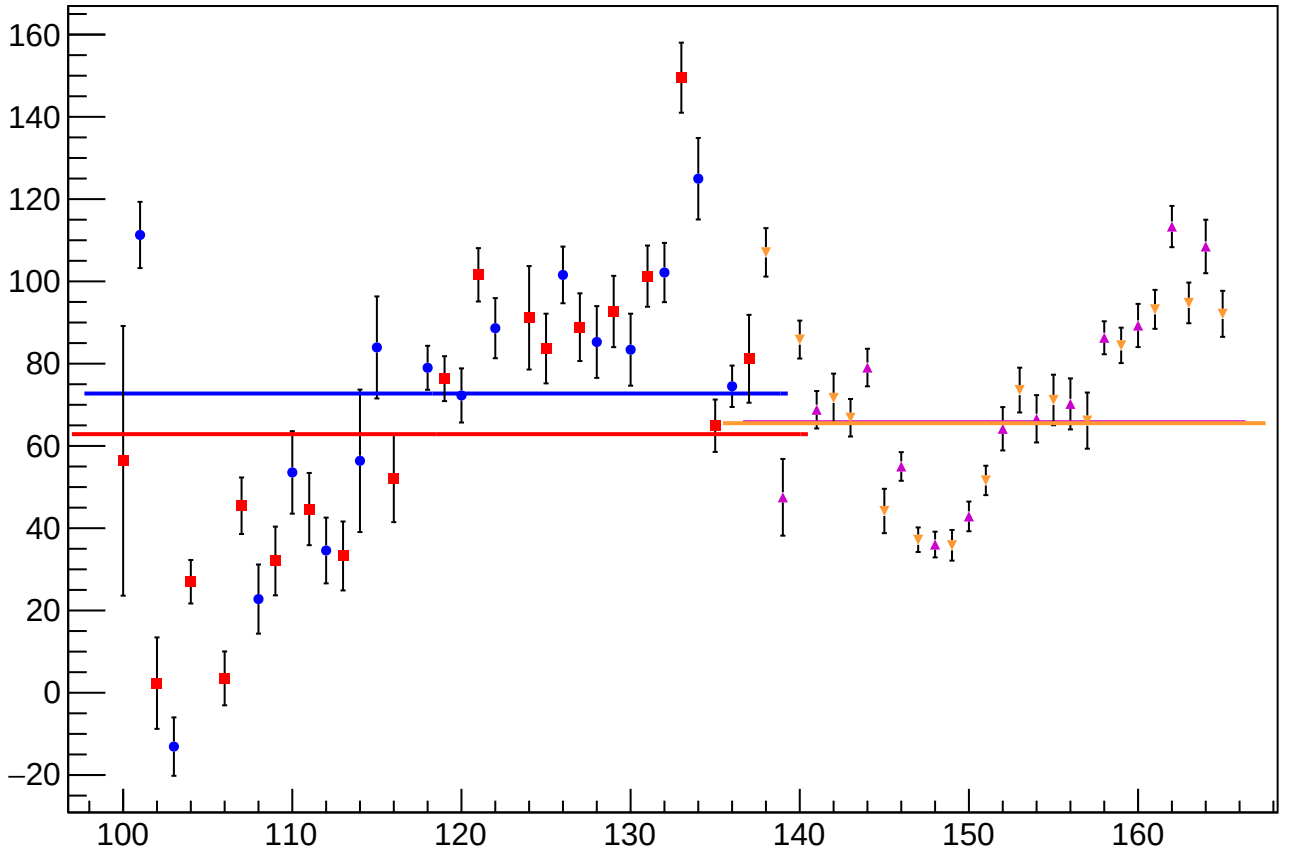
Left: 350.378+/-1.069 χ^2/NDF: 758.8/27

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 367.205+/-1.158 χ^2/NDF:3840.9/28

Out: 351.853+/-1.099 χ^2/NDF:5769.6/33

All: 359.130+/-0.797 χ^2/NDF: 9702.8/62



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 65.528+/-1.193 χ^2/NDF:368.4/14

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 65.765+/-1.266 χ^2/NDF:332.9/12

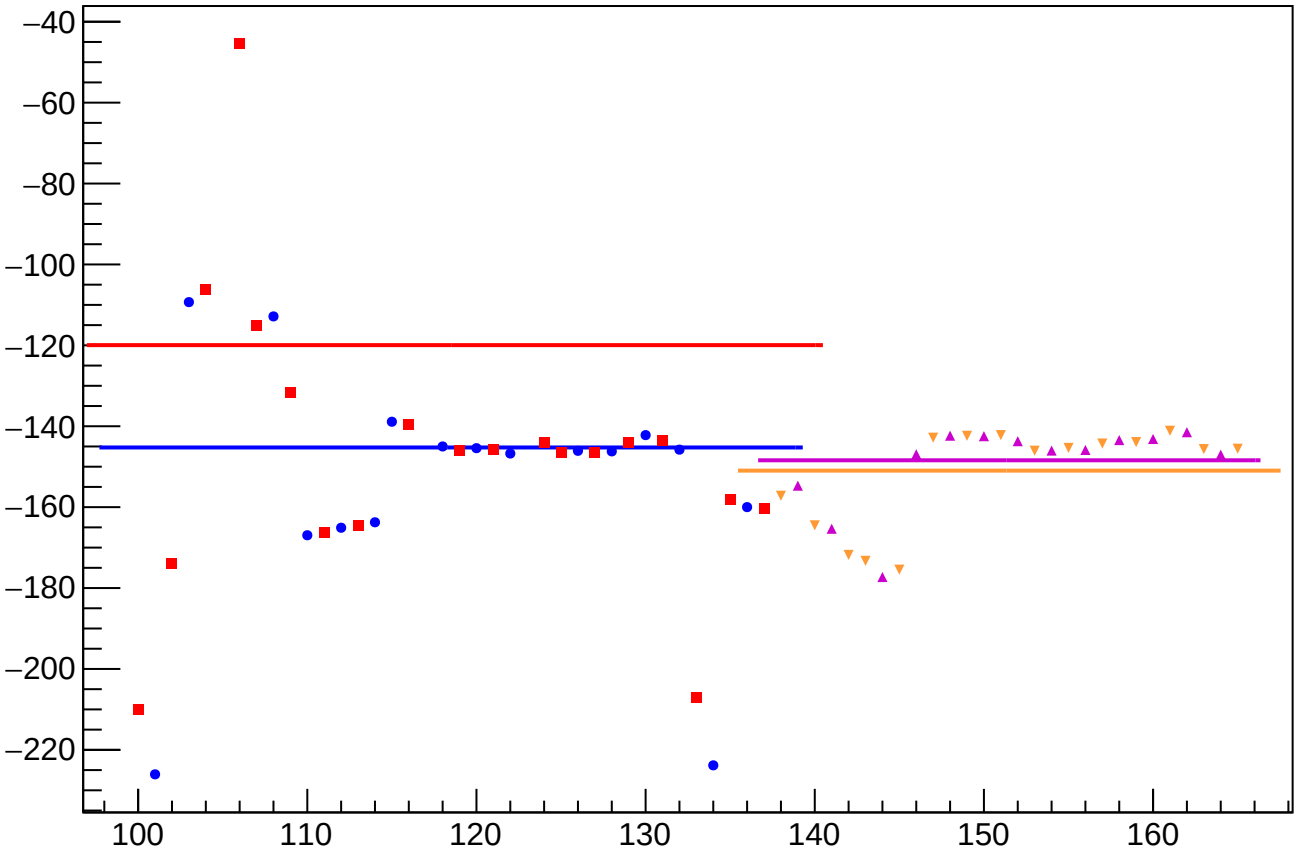
Left: 65.639+/-0.868 χ^2/NDF: 701.3/27

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 67.915+/-1.053 χ^2/NDF:646.6/28

Out: 64.711+/-0.994 χ^2/NDF:773.5/33

All: 66.220+/-0.723 χ^2/NDF: 1425.0/62



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.970+/-0.058 χ^2/NDF:41833.6/14

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -148.414+/-0.059 χ^2/NDF:26177.3/12

Left: -149.732+/-0.041 χ^2/NDF: 68967.8/27

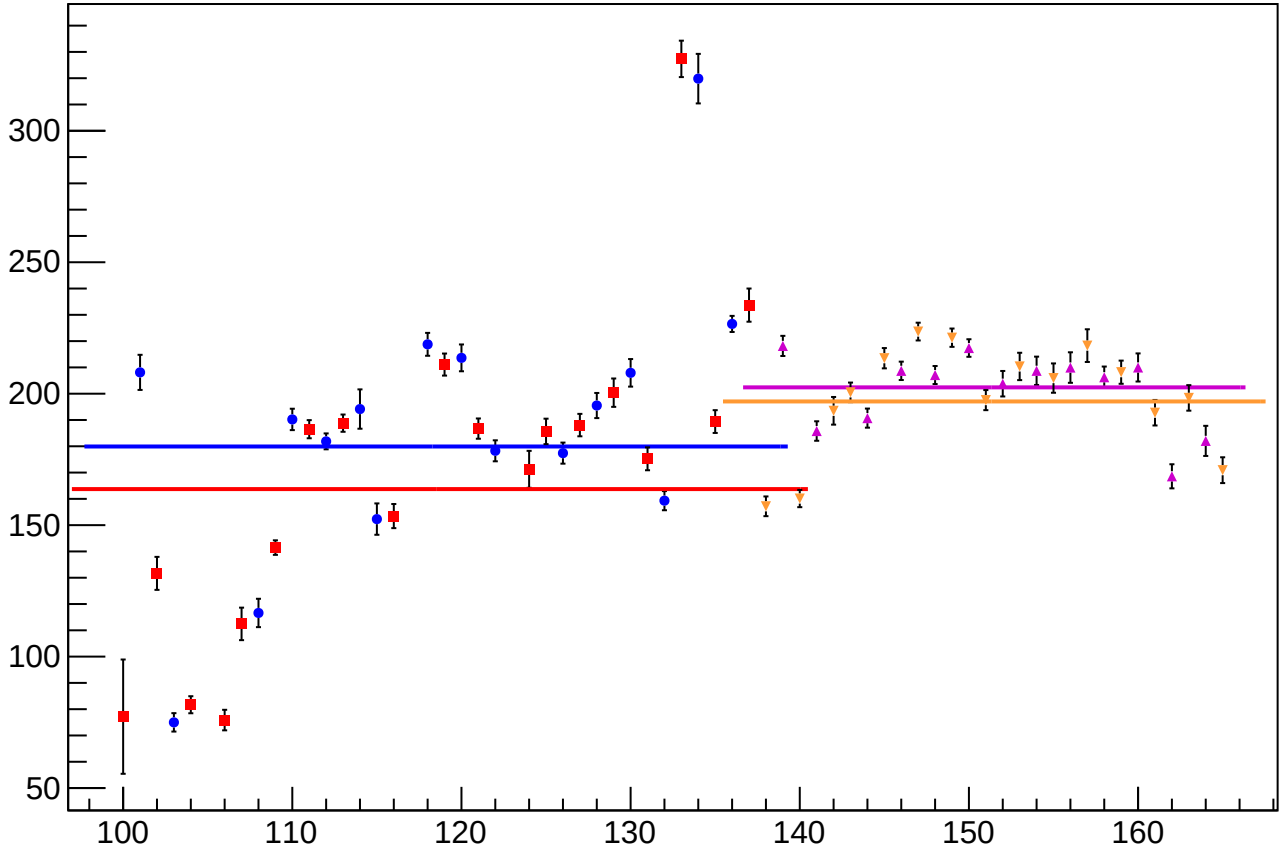
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.569+/-0.051 χ^2/NDF:158995.3/28

Out: -141.829+/-0.048 χ^2/NDF:397947.0/33

All: -144.554+/-0.035 χ^2/NDF: 563647.8/62

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 197.053+/-1.084 χ^2/NDF:426.3/14

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 202.407+/-1.152 χ^2/NDF:145.8/12

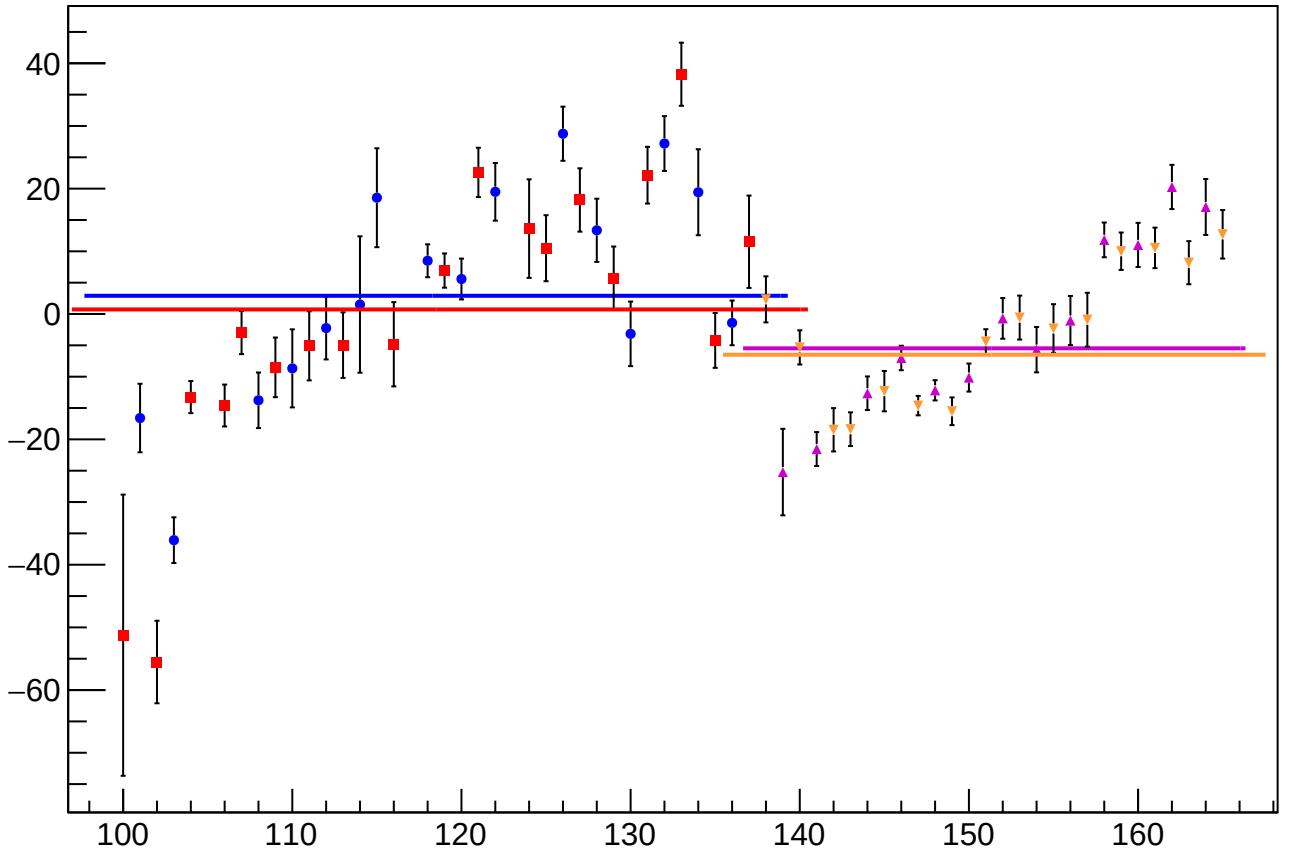
Left: 199.568+/-0.789 χ^2/NDF: 583.5/27

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 190.527+/-0.791 χ^2/NDF:2079.8/28

Out: 179.057+/-0.735 χ^2/NDF:3353.7/33

All: 184.373+/-0.539 χ^2/NDF: 5546.2/62



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -6.496+/-0.713 χ^2/NDF:192.8/14

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -5.477+/-0.762 χ^2/NDF:216.0/12

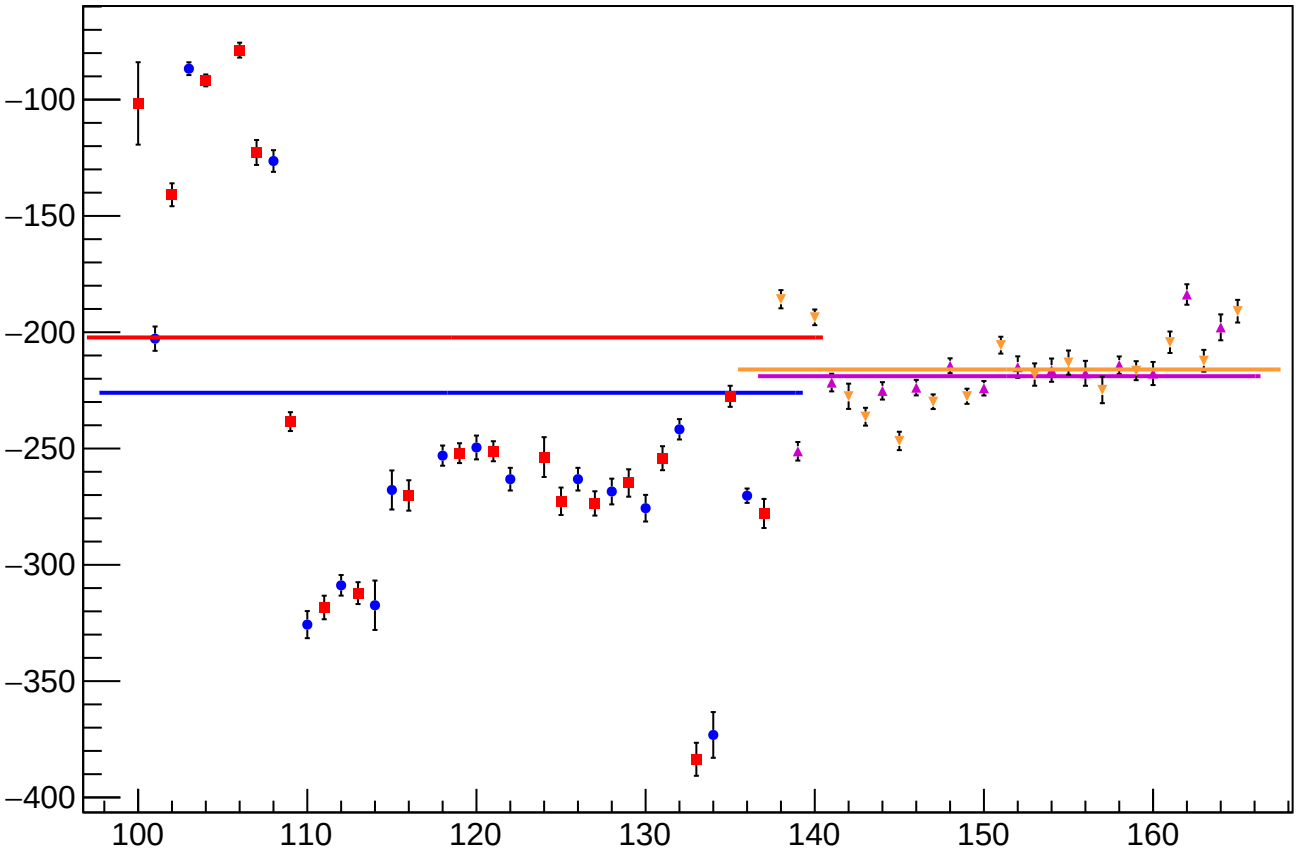
Left: -6.021+/-0.521 χ^2/NDF: 409.7/27

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.772+/-0.627 χ^2/NDF:502.5/28

Out: -4.098+/-0.583 χ^2/NDF:500.4/33

All: -3.484+/-0.427 χ^2/NDF: 1005.3/62



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -216.007+/-1.056 χ^2/NDF:273.4/14

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -218.903+/-1.111 χ^2/NDF:156.1/12

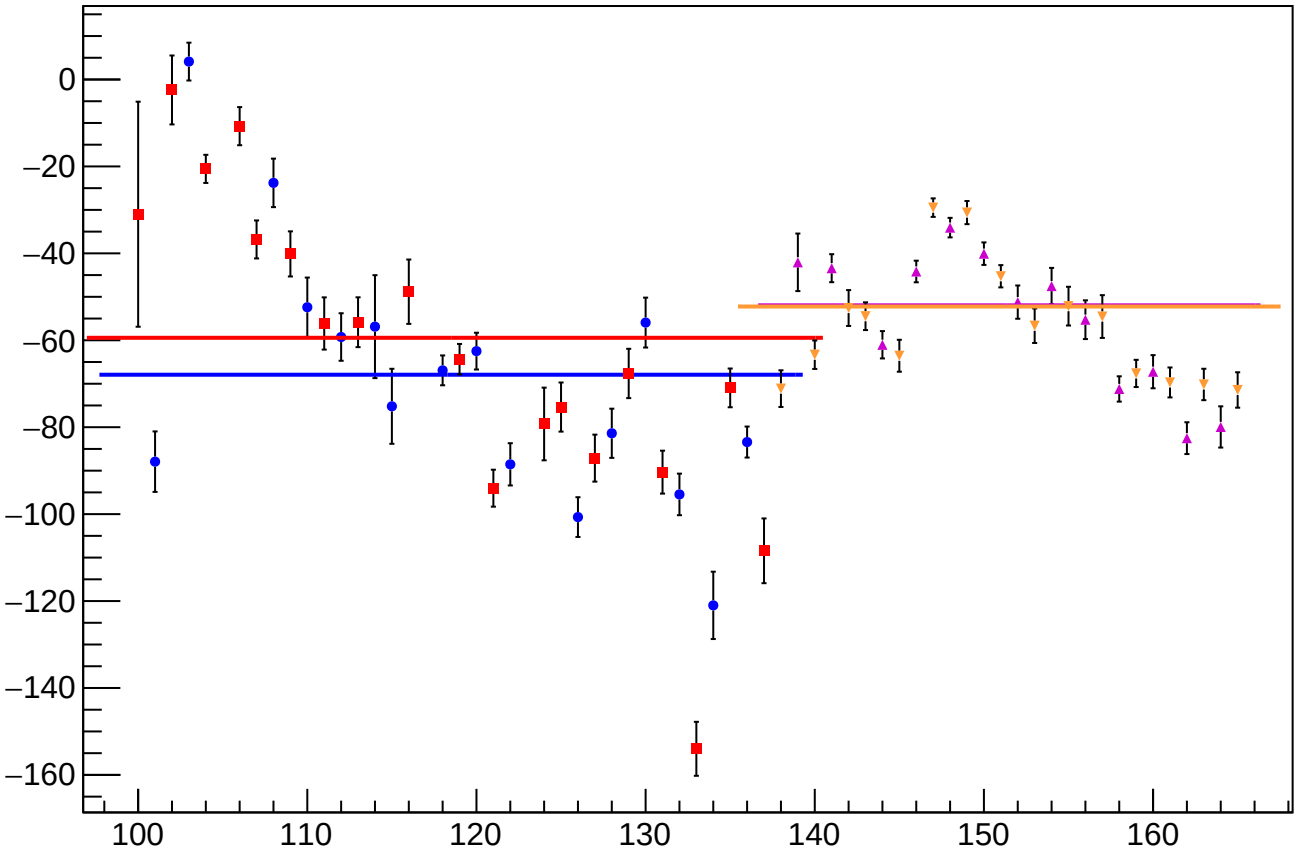
Left: -217.382+/-0.766 χ^2/NDF: 433.0/27

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -222.267+/-0.807 χ^2/NDF:4714.5/28

Out: -209.326+/-0.757 χ^2/NDF:7046.6/33

All: -215.384+/-0.552 χ^2/NDF: 11897.8/62



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -52.233+/-0.853 χ^2/NDF:327.1/14

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -51.957+/-0.909 χ^2/NDF:277.8/12

Left: -52.104+/-0.622 χ^2/NDF: 604.9/27

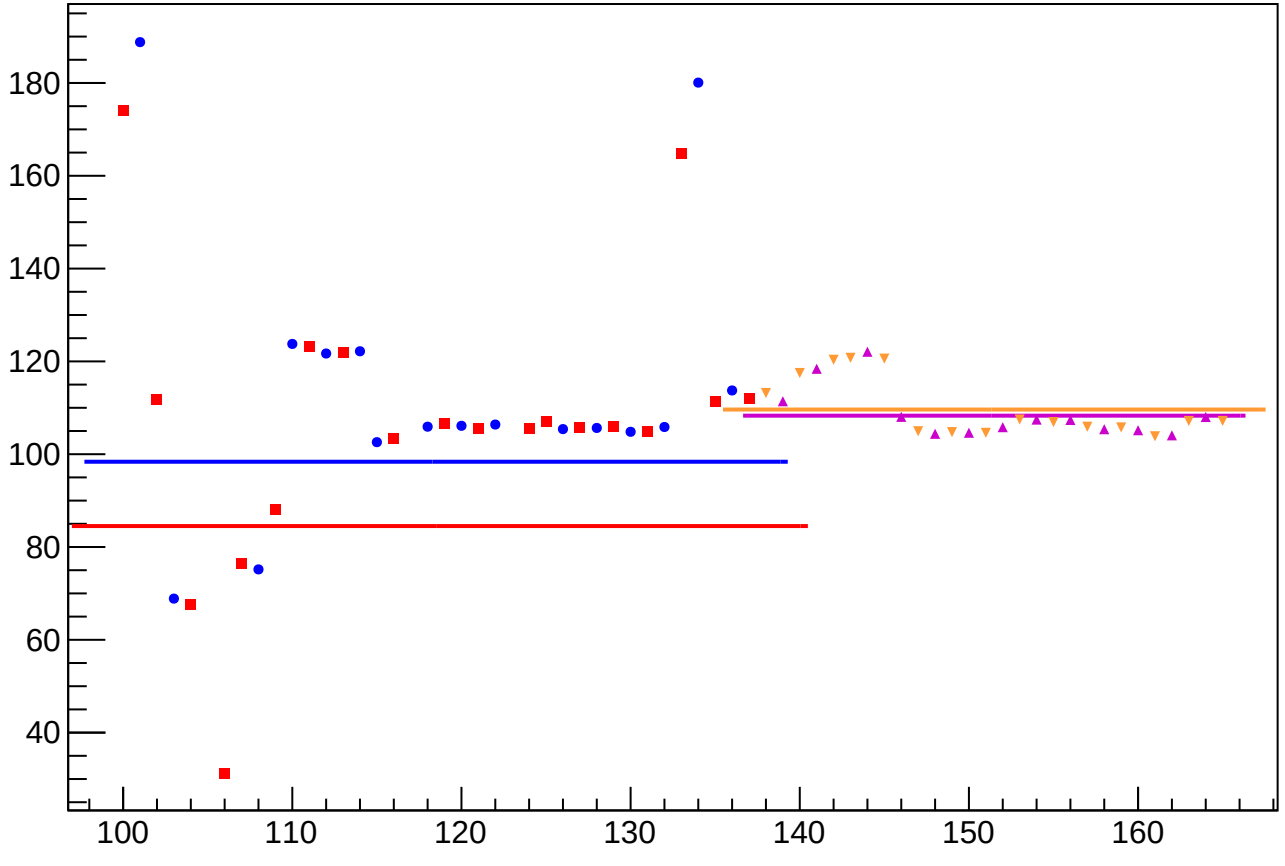
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -57.319+/-0.741 χ^2/NDF:915.5/28

Out: -54.693+/-0.692 χ^2/NDF:1146.3/33

All: -55.918+/-0.506 χ^2/NDF: 2068.5/62

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.625+/-0.041 χ^2/NDF:22164.8/14

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.304+/-0.043 χ^2/NDF:14980.6/12

Left: 108.986+/-0.030 χ^2/NDF: 37642.7/27

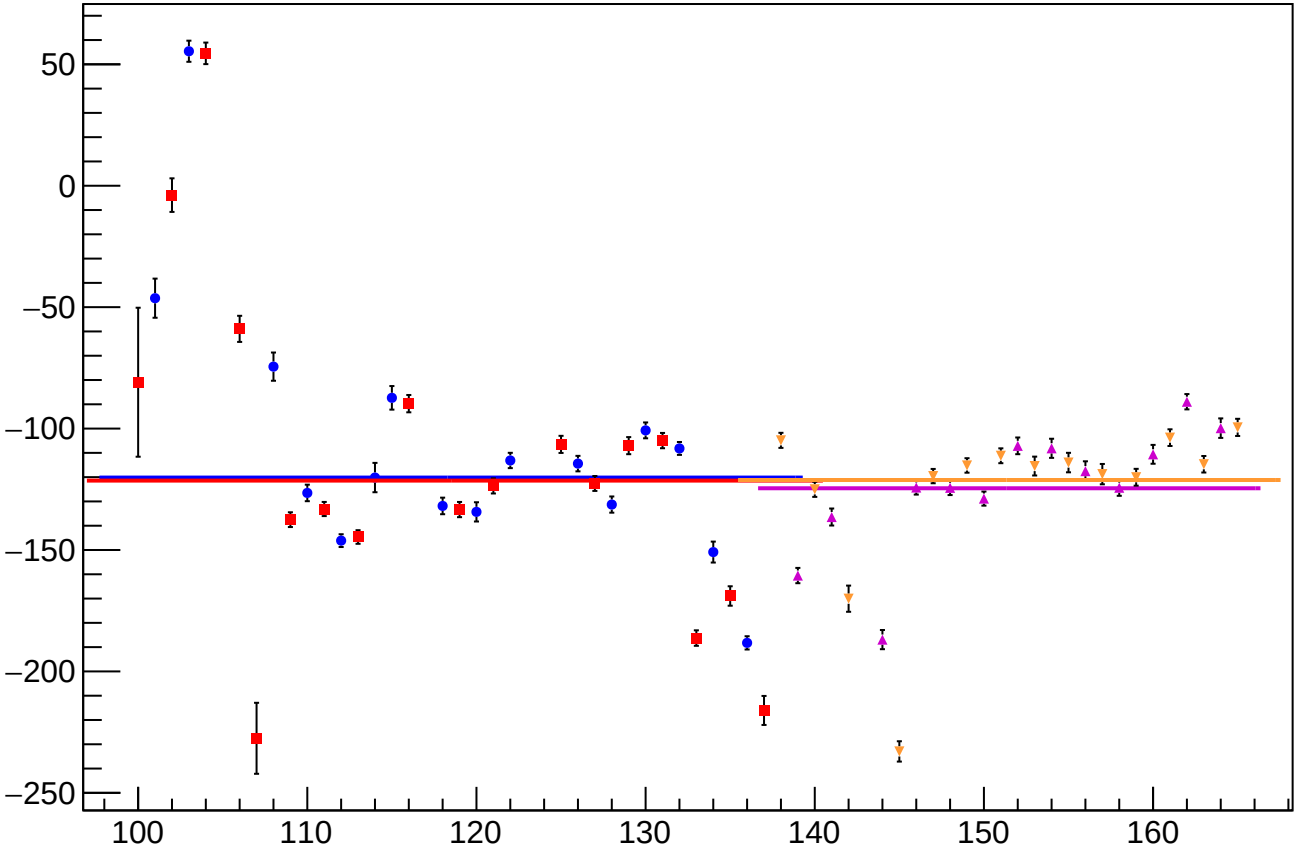
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.387+/-0.036 χ^2/NDF:259355.5/28

Out: 101.694+/-0.034 χ^2/NDF:408455.5/33

All: 103.449+/-0.025 χ^2/NDF: 673396.6/62

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -121.176+/-0.931 χ^2/NDF:911.9/13

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -124.580+/-0.943 χ^2/NDF:617.6/12

Left: -122.857+/-0.663 χ^2/NDF: 1536.1/26

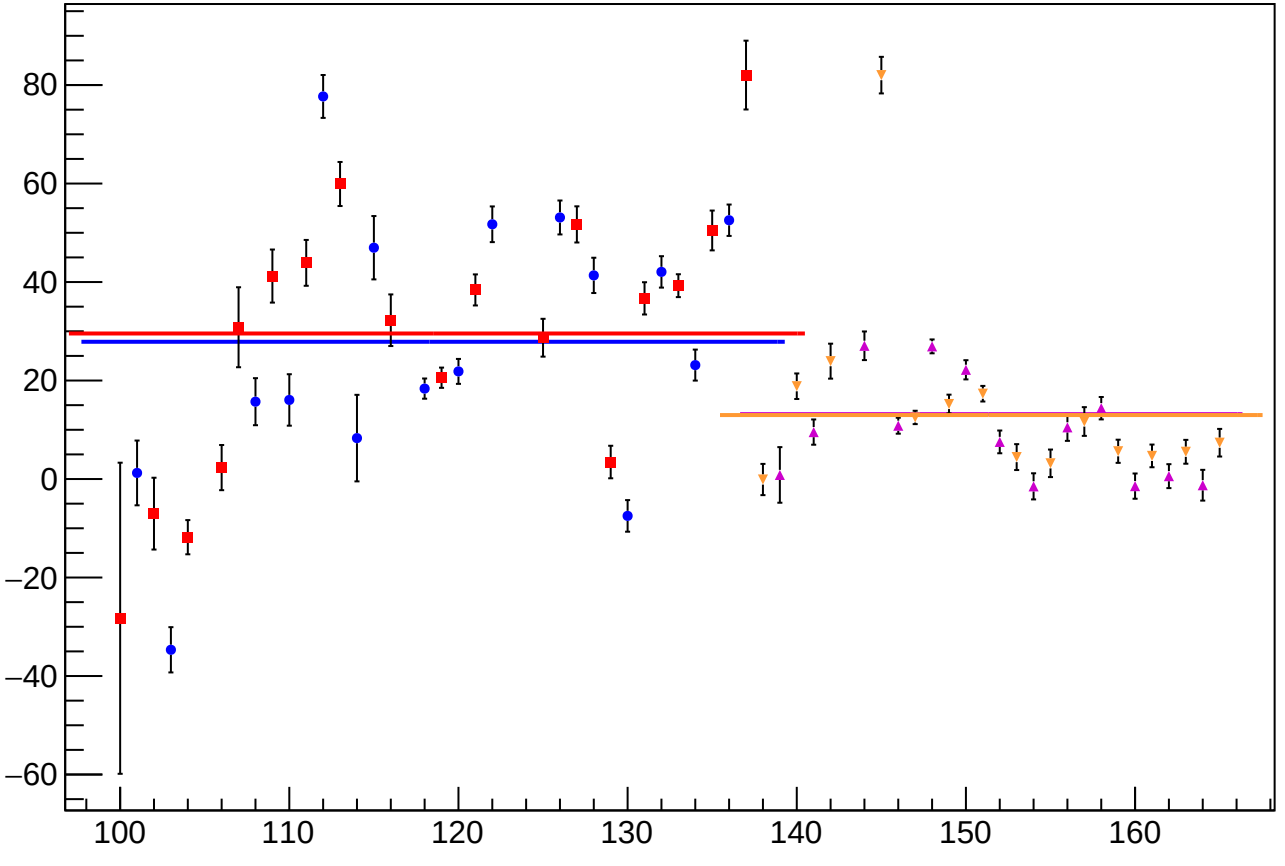
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -122.252+/-0.647 χ^2/NDF:3320.4/28

Out: -121.305+/-0.638 χ^2/NDF:4038.3/31

All: -121.771+/-0.454 χ^2/NDF: 7359.7/60

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: 12.991+/-0.611 χ^2/NDF:445.3/13

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.179+/-0.629 χ^2/NDF:266.8/12

Left: 13.082+/-0.438 χ^2/NDF: 712.1/26

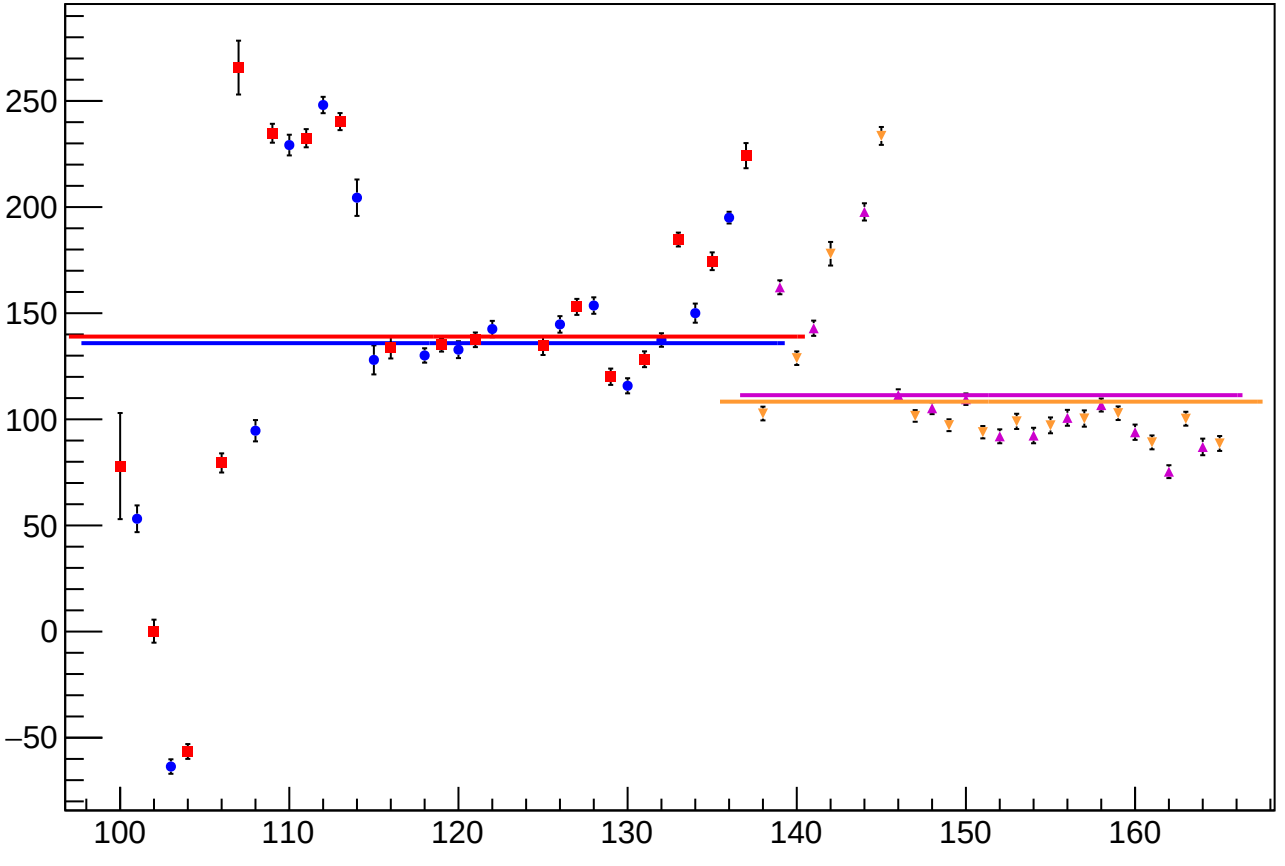
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 18.085+/-0.513 χ^2/NDF:1148.7/28

Out: 18.303+/-0.504 χ^2/NDF:1178.1/31

All: 18.196+/-0.360 χ^2/NDF: 2327.0/60

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 108.330+/-0.897 χ^2/NDF:1221.8/13

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 111.378+/-0.905 χ^2/NDF:1048.7/12

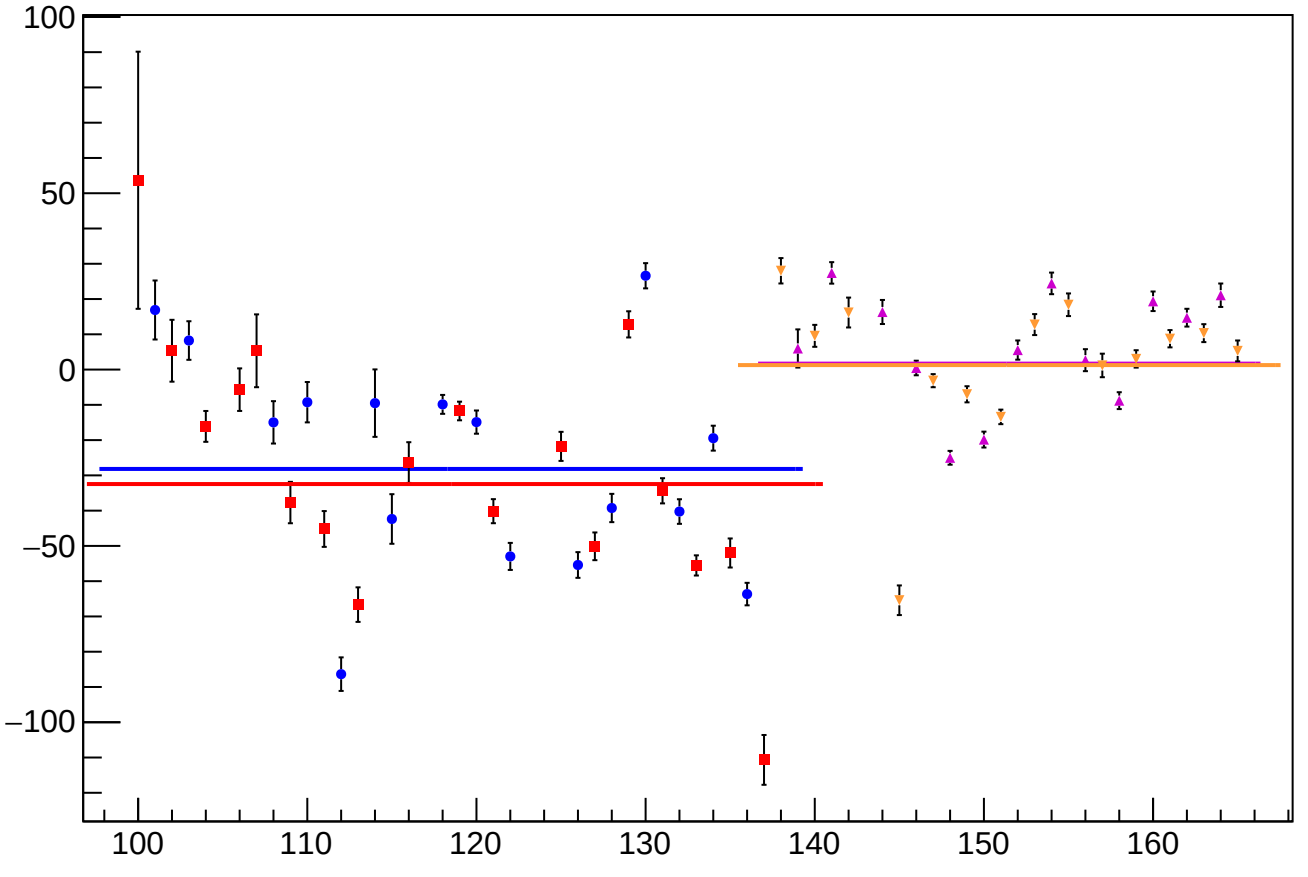
Left: 109.840+/-0.637 χ^2/NDF: 2276.2/26

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 122.435+/-0.671 χ^2/NDF:6842.9/28

Out: 122.029+/-0.667 χ^2/NDF:7899.8/31

All: 122.231+/-0.473 χ^2/NDF: 14742.9/60



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.272+/-0.724 χ^2/NDF:463.7/13

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.688+/-0.742 χ^2/NDF:545.6/12

Left: 1.474+/-0.518 χ^2/NDF: 1009.4/26

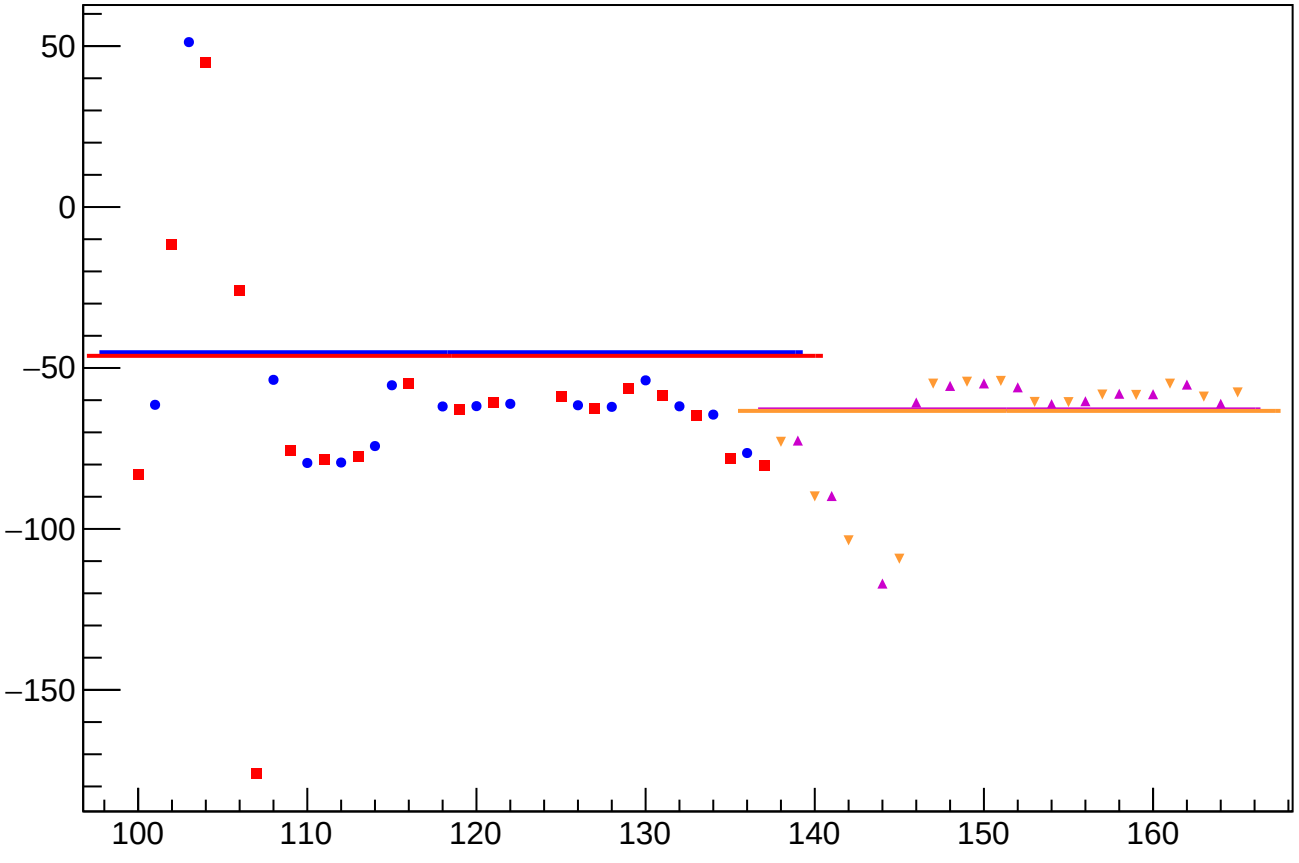
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -8.618+/-0.601 χ^2/NDF:1895.7/28

Out: -9.915+/-0.592 χ^2/NDF:1765.0/31

All: -9.276+/-0.421 χ^2/NDF: 3663.0/60

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: -63.328+/-0.034 χ^2/NDF:178353.9/13

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -62.867+/-0.034 χ^2/NDF:150306.0/12

Left: -63.098+/-0.024 χ^2/NDF: 328751.1/26

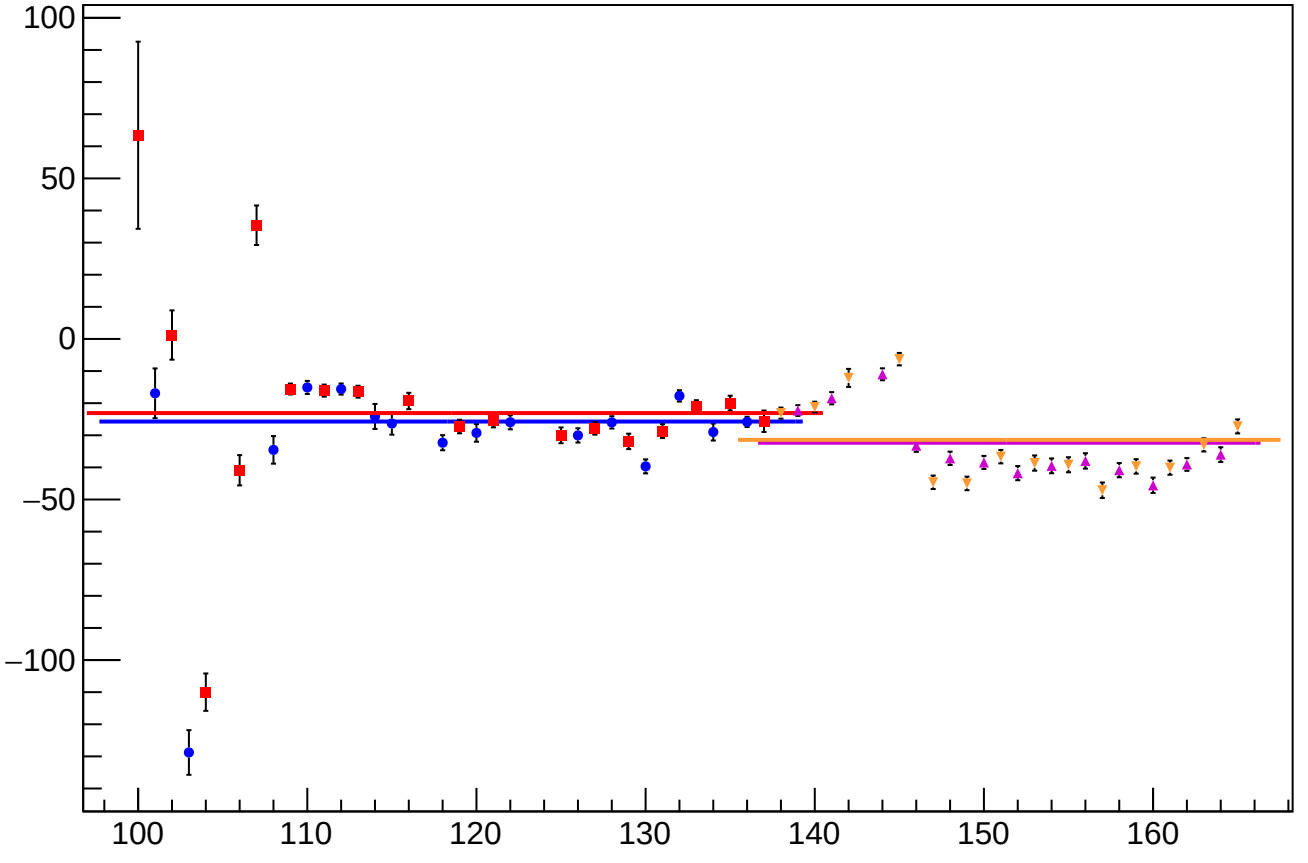
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.547+/-0.030 χ^2/NDF:791509.9/28

Out: -59.419+/-0.030 χ^2/NDF:729546.0/31

All: -58.979+/-0.021 χ^2/NDF: 1521483.9/60

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: -31.422+/-0.565 χ^2/NDF:457.4/13

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.322+/-0.573 χ^2/NDF:328.5/12

Left: -31.866+/-0.402 χ^2/NDF: 787.1/26

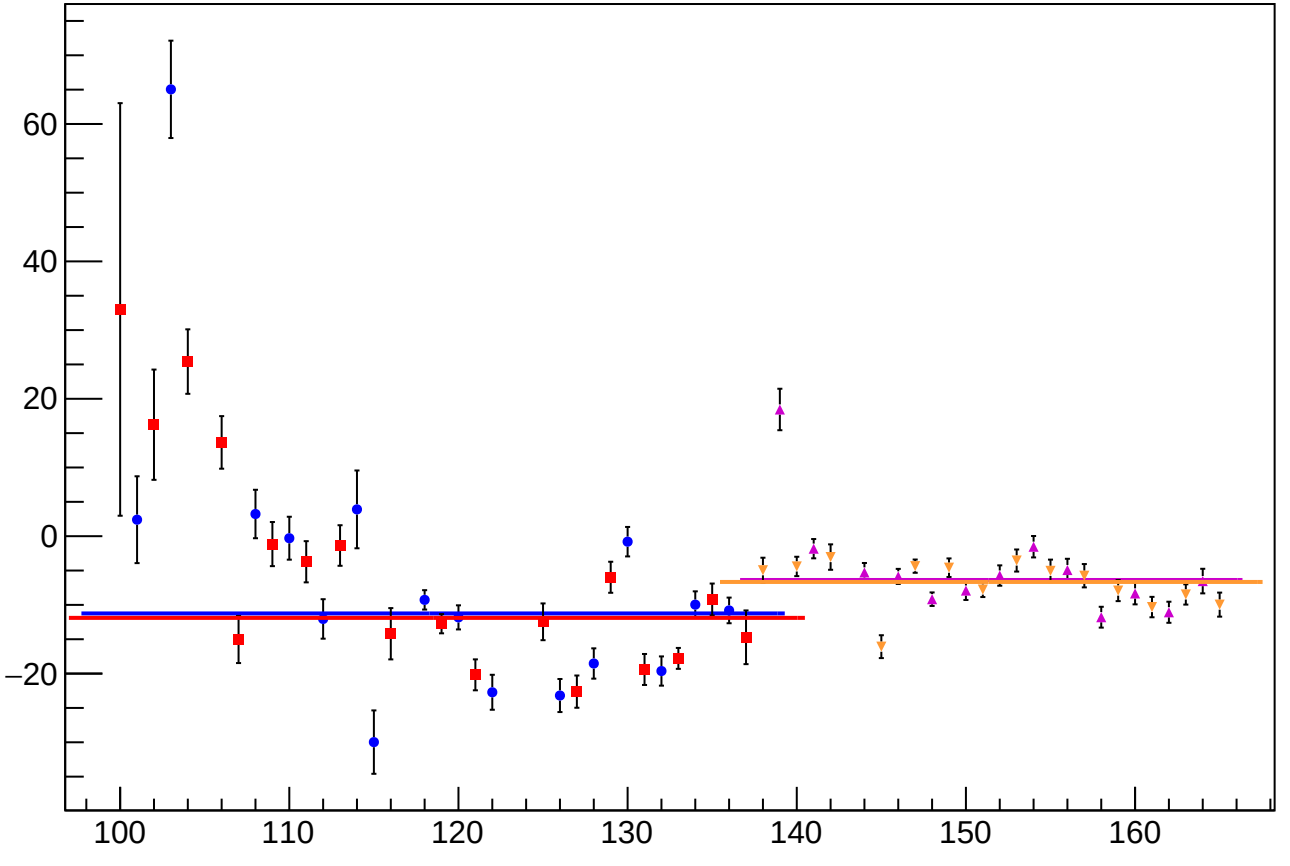
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.122+/-0.411 χ^2/NDF:755.9/28

Out: -27.374+/-0.405 χ^2/NDF:1000.3/31

All: -28.236+/-0.289 χ^2/NDF: 1765.4/60

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: -6.662+/-0.387 χ^2/NDF:65.2/13

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.375+/-0.397 χ^2/NDF:122.6/12

Left: -6.522+/-0.277 χ^2/NDF: 188.1/26

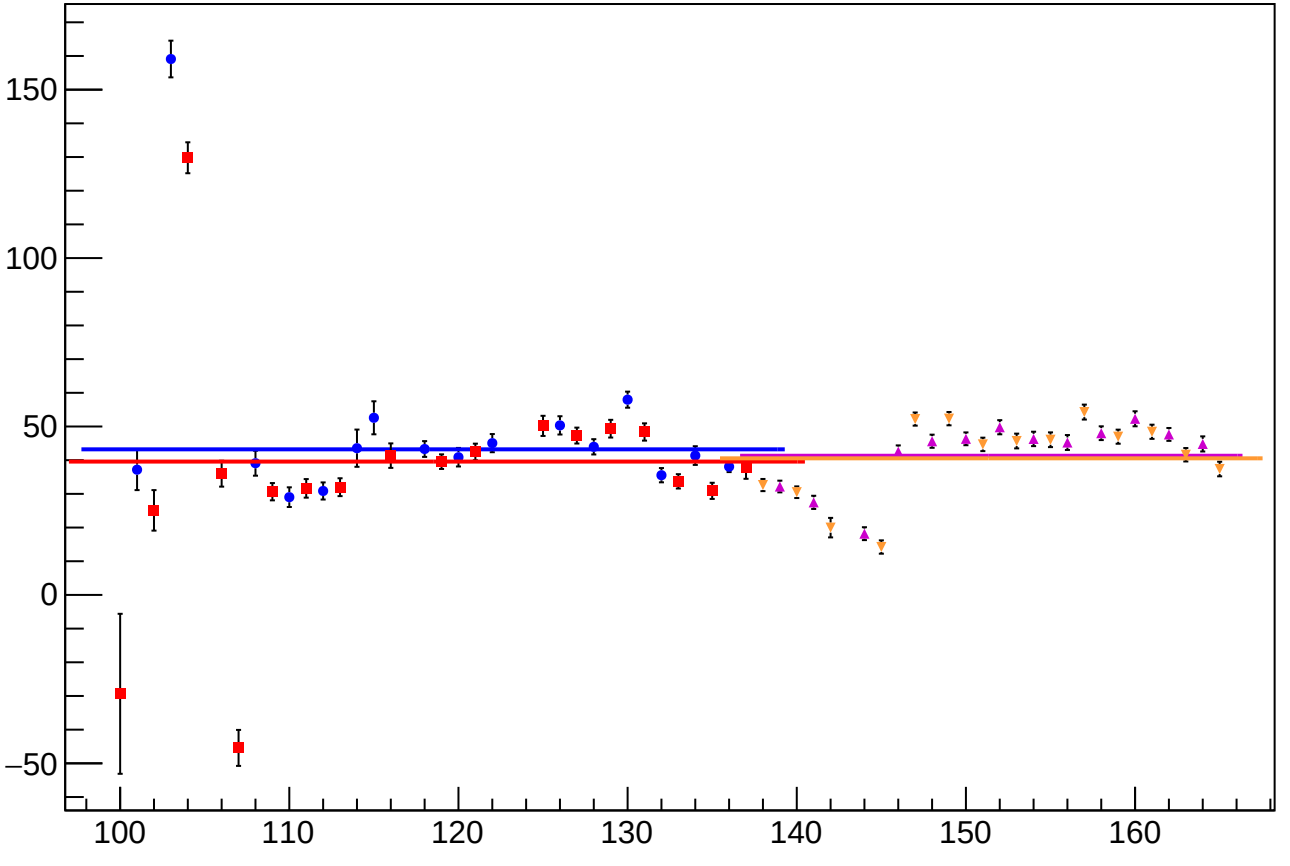
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.857+/-0.331 χ^2/NDF:439.6/28

Out: -8.171+/-0.326 χ^2/NDF:342.4/31

All: -8.016+/-0.232 χ^2/NDF: 782.5/60

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: 40.551+/-0.549 χ^2/NDF:431.7/13

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.314+/-0.554 χ^2/NDF:309.3/12

Left: 40.929+/-0.390 χ^2/NDF: 741.9/26

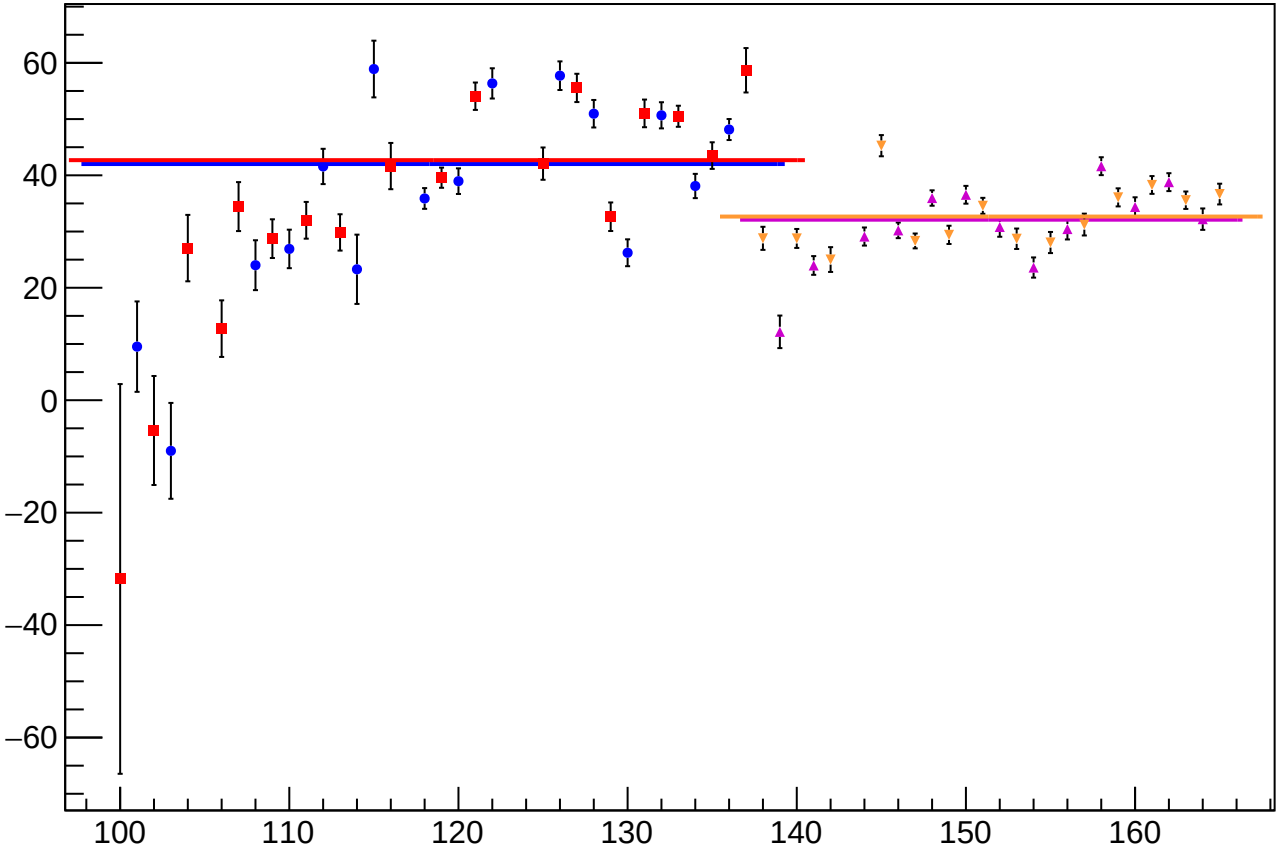
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.078+/-0.429 χ^2/NDF:890.0/28

Out: 40.174+/-0.428 χ^2/NDF:1186.9/31

All: 41.124+/-0.303 χ^2/NDF: 2086.8/60

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.663+/-0.453 χ^2/NDF:118.9/13

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.109+/-0.464 χ^2/NDF:171.3/12

Left: 32.393+/-0.324 χ^2/NDF: 291.0/26

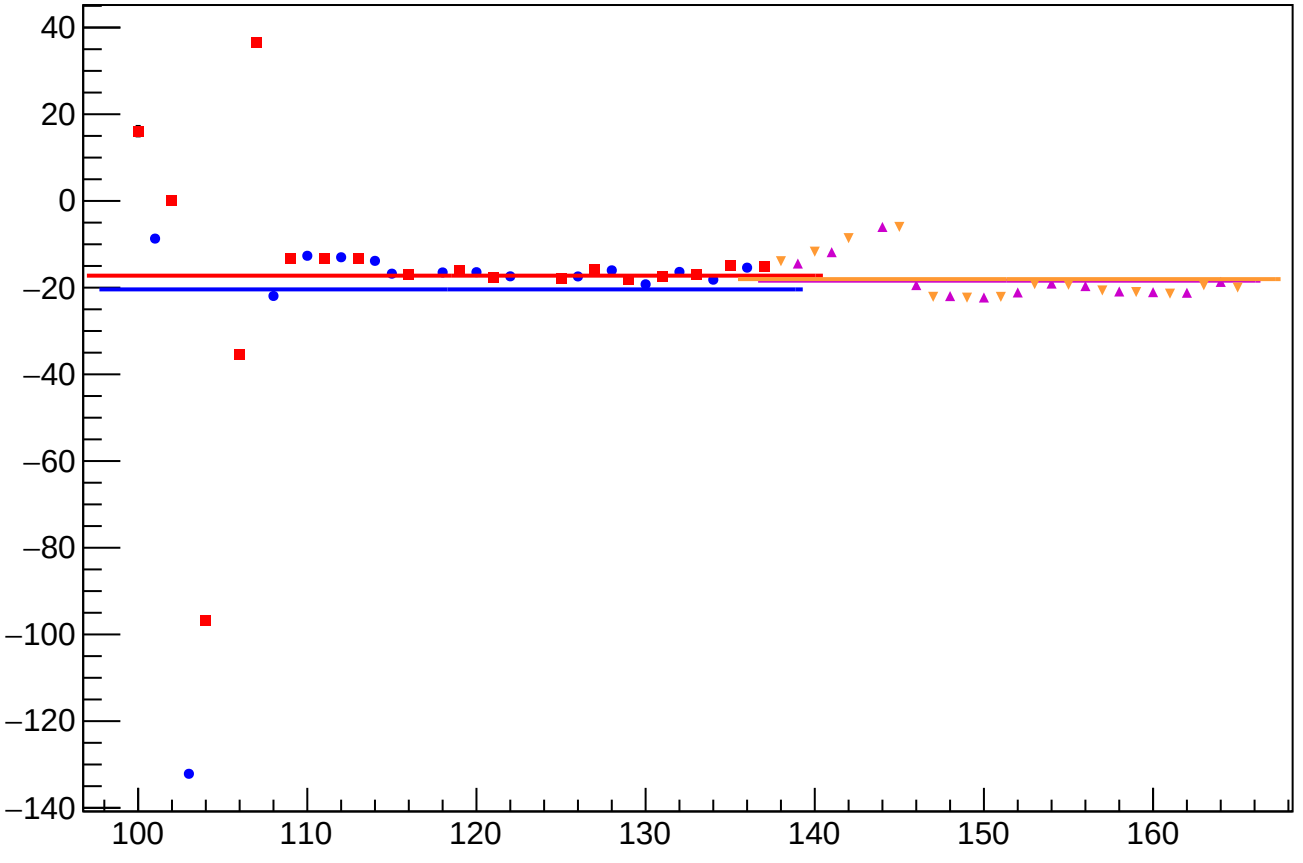
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.228+/-0.384 χ^2/NDF:587.6/28

Out: 35.655+/-0.379 χ^2/NDF:495.6/31

All: 35.444+/-0.270 χ^2/NDF: 1083.8/60

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.034+/-0.021 χ^2/NDF:54608.8/13

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.392+/-0.021 χ^2/NDF:42234.0/12

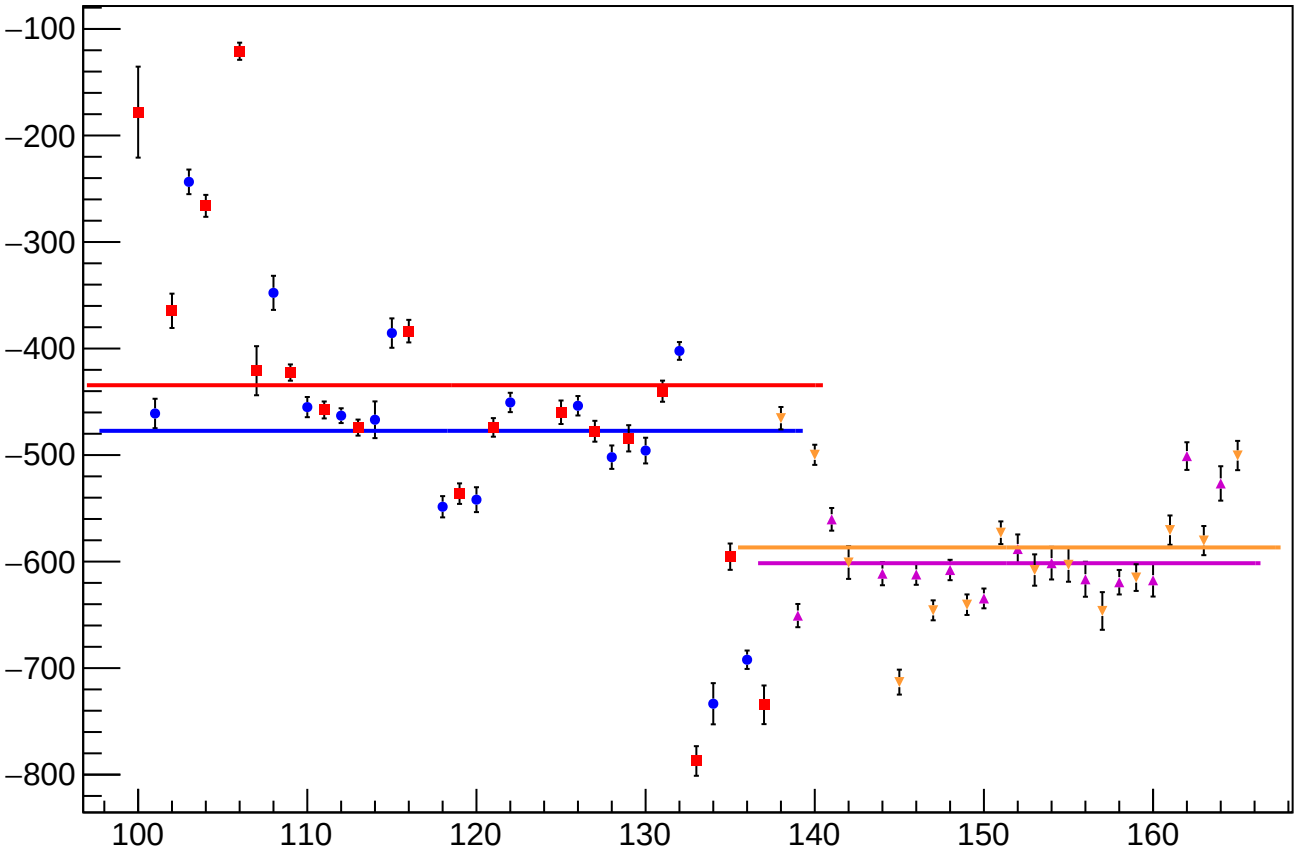
Left: -18.213+/-0.015 χ^2/NDF: 96990.8/26

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.792+/-0.019 χ^2/NDF:289694.9/28

Out: -17.889+/-0.019 χ^2/NDF:259534.4/31

All: -18.343+/-0.013 χ^2/NDF: 550389.5/60



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -586.704+/-3.214 χ^2/NDF:468.2/13

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -601.522+/-3.268 χ^2/NDF:137.2/12

Left: -593.991+/-2.292 χ^2/NDF: 615.8/26

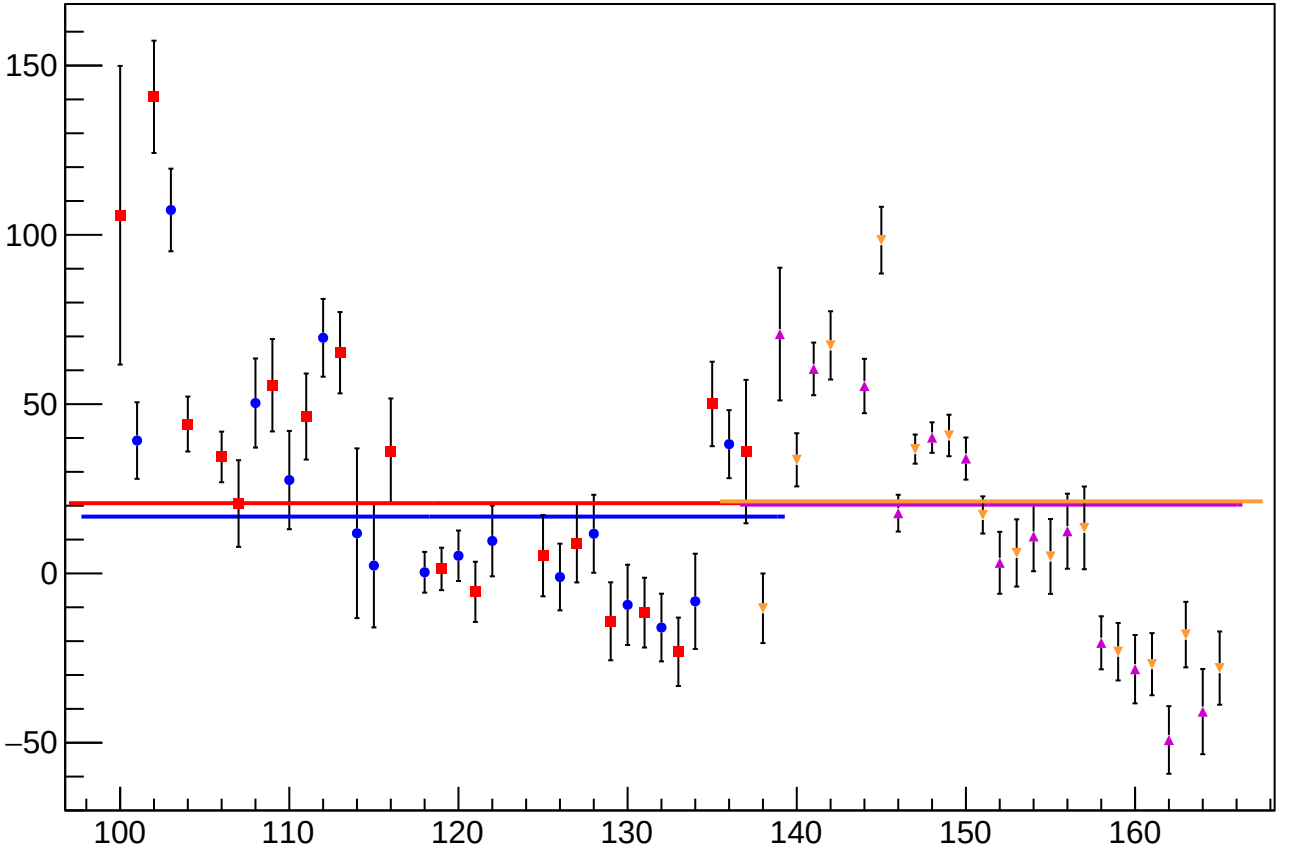
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -526.173+/-2.050 χ^2/NDF:2524.8/28

Out: -490.789+/-1.955 χ^2/NDF:5043.5/31

All: -507.644+/-1.415 χ^2/NDF: 7724.3/60

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: 21.275+/-2.087 χ^2/NDF:214.6/13

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 20.320+/-2.153 χ^2/NDF:203.8/12

Left: 20.812+/-1.498 χ^2/NDF: 418.5/26

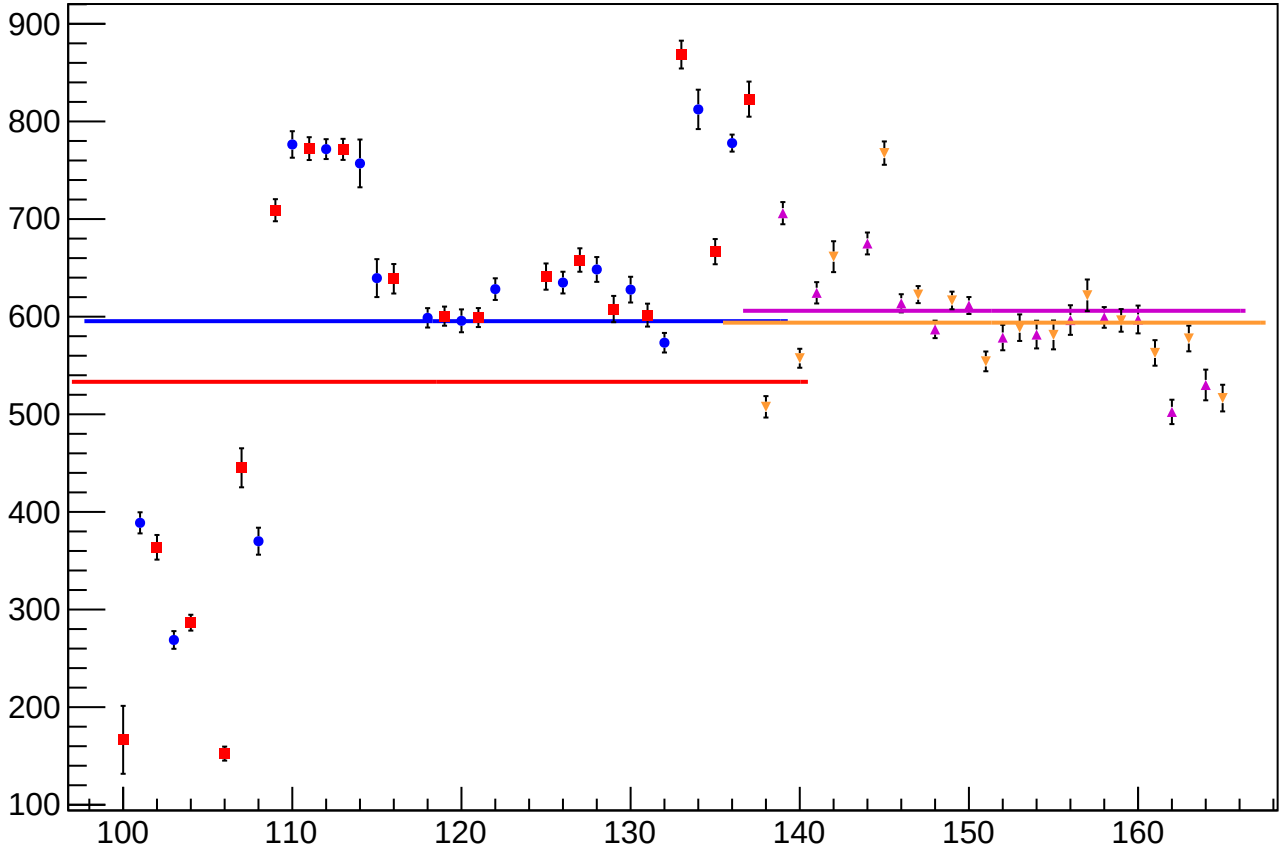
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 18.915+/-1.672 χ^2/NDF:329.9/28

Out: 21.064+/-1.615 χ^2/NDF:372.6/31

All: 20.027+/-1.161 χ^2/NDF: 703.3/60

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: 593.883+/-3.112 χ^2/NDF:380.4/13

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 606.030+/-3.149 χ^2/NDF:224.5/12

Left: 599.886+/-2.214 χ^2/NDF: 612.4/26

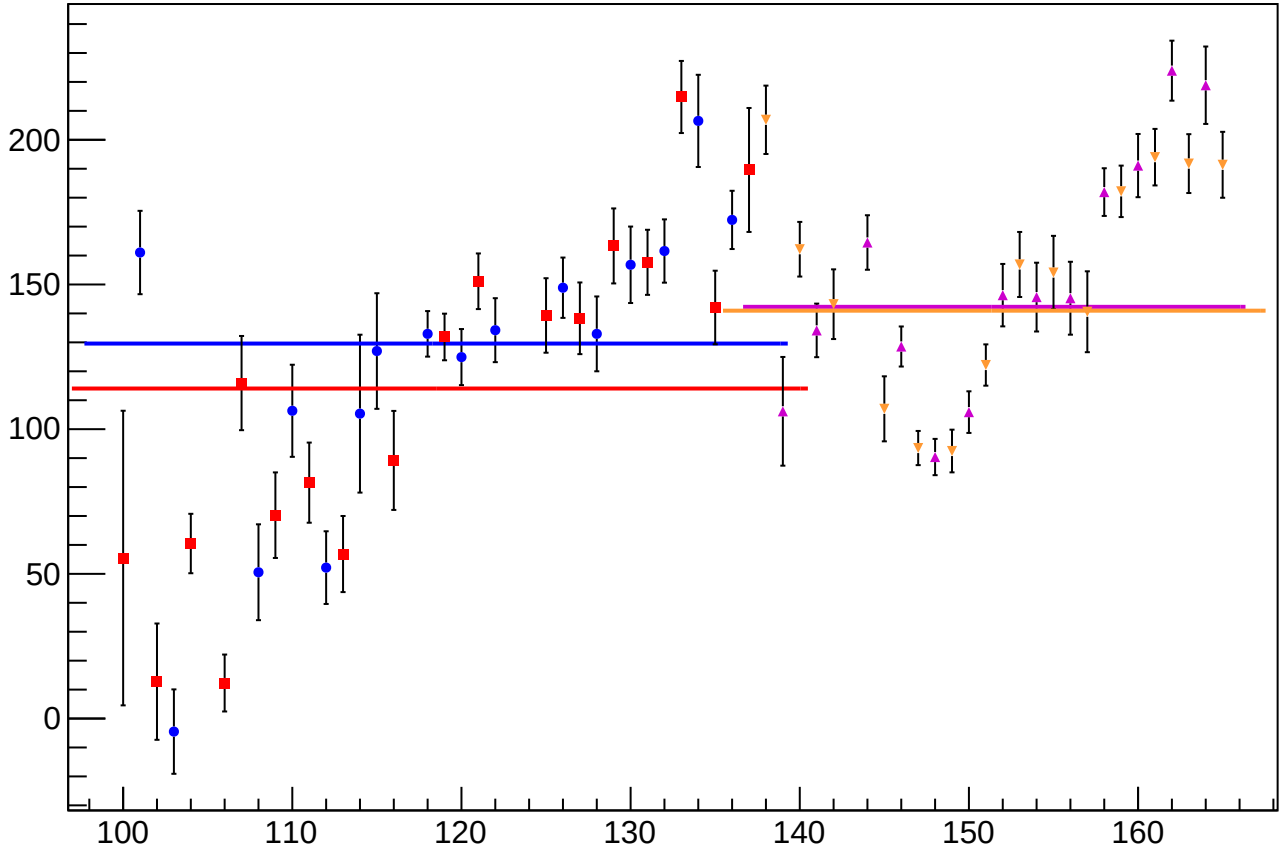
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 600.336+/-2.145 χ^2/NDF:3290.3/28

Out: 559.807+/-2.059 χ^2/NDF:7096.5/31

All: 579.245+/-1.485 χ^2/NDF: 10572.5/60

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 140.951+/-2.503 χ^2/NDF:258.8/13

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 142.278+/-2.570 χ^2/NDF:246.3/12

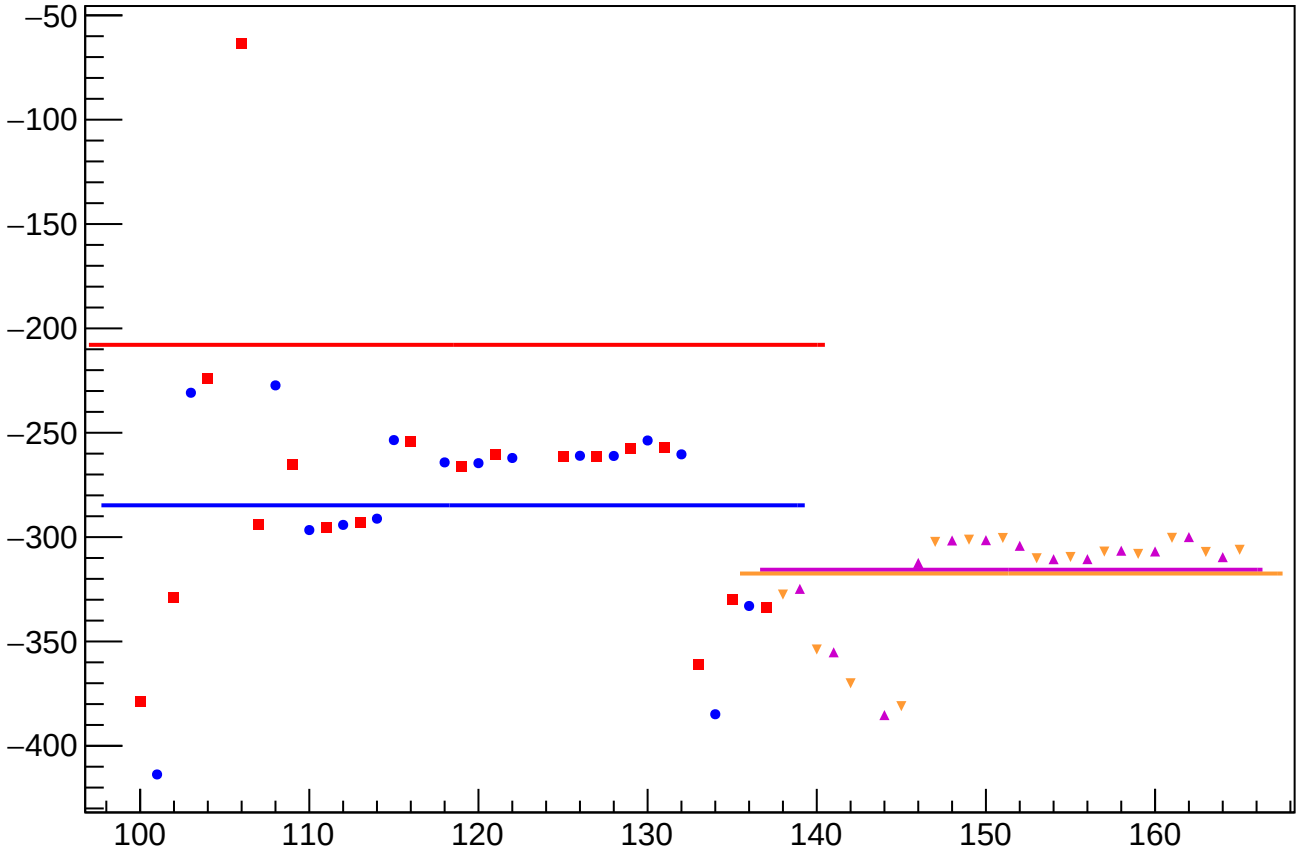
Left: 141.597+/-1.793 χ^2/NDF: 505.2/26

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 137.070+/-1.973 χ^2/NDF:467.5/28

Out: 129.806+/-1.916 χ^2/NDF:642.6/31

All: 133.330+/-1.375 χ^2/NDF: 1117.1/60



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -317.450+/-0.121 χ^2/NDF:41022.3/13

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -315.629+/-0.121 χ^2/NDF:33664.5/12

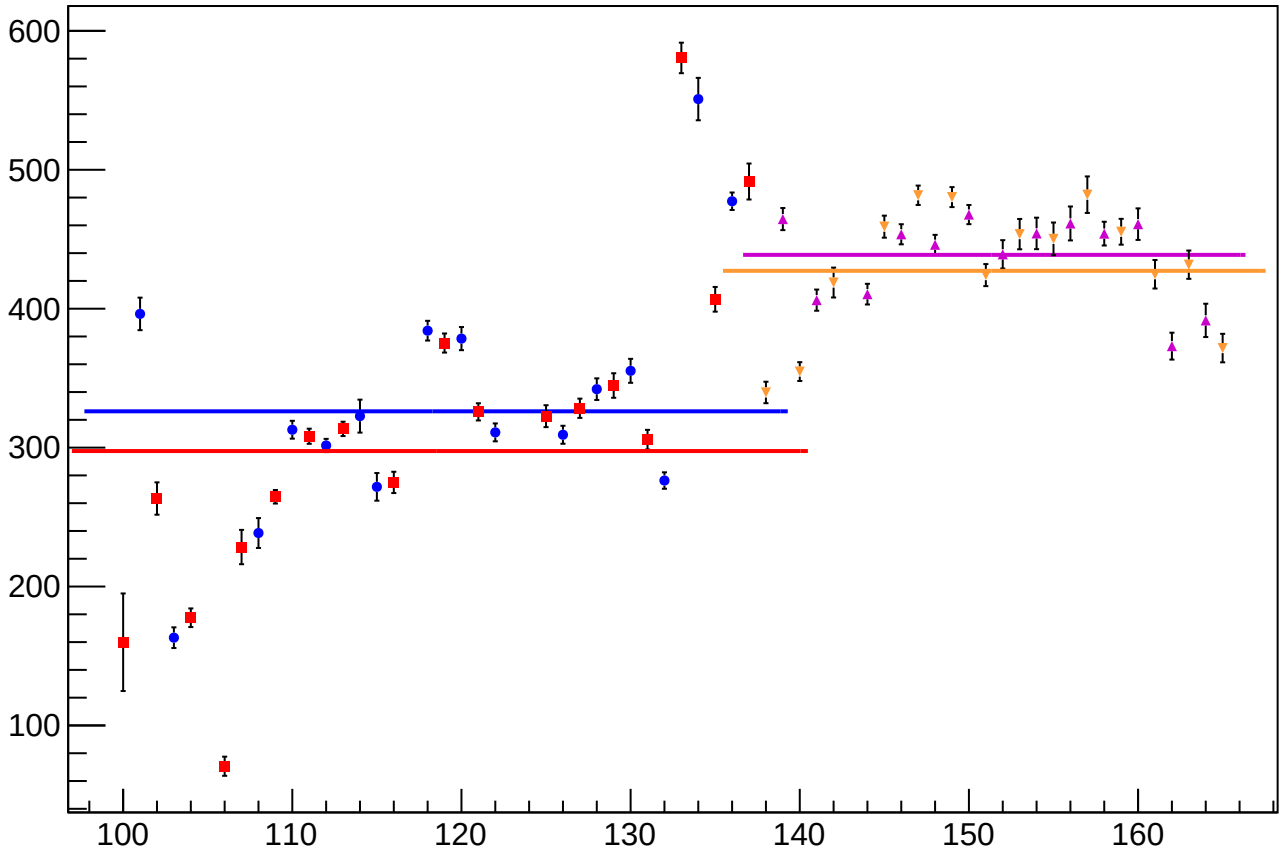
Left: -316.538+/-0.085 χ^2/NDF: 74800.5/26

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.880+/-0.100 χ^2/NDF:158707.1/28

Out: -273.914+/-0.094 χ^2/NDF:904365.5/31

All: -288.911+/-0.068 χ^2/NDF: 1117539.2/60



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 427.264+/-2.354 χ^2/NDF:441.3/13

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 438.754+/-2.396 χ^2/NDF:139.9/12

Left: 432.907+/-1.679 χ^2/NDF: 592.9/26

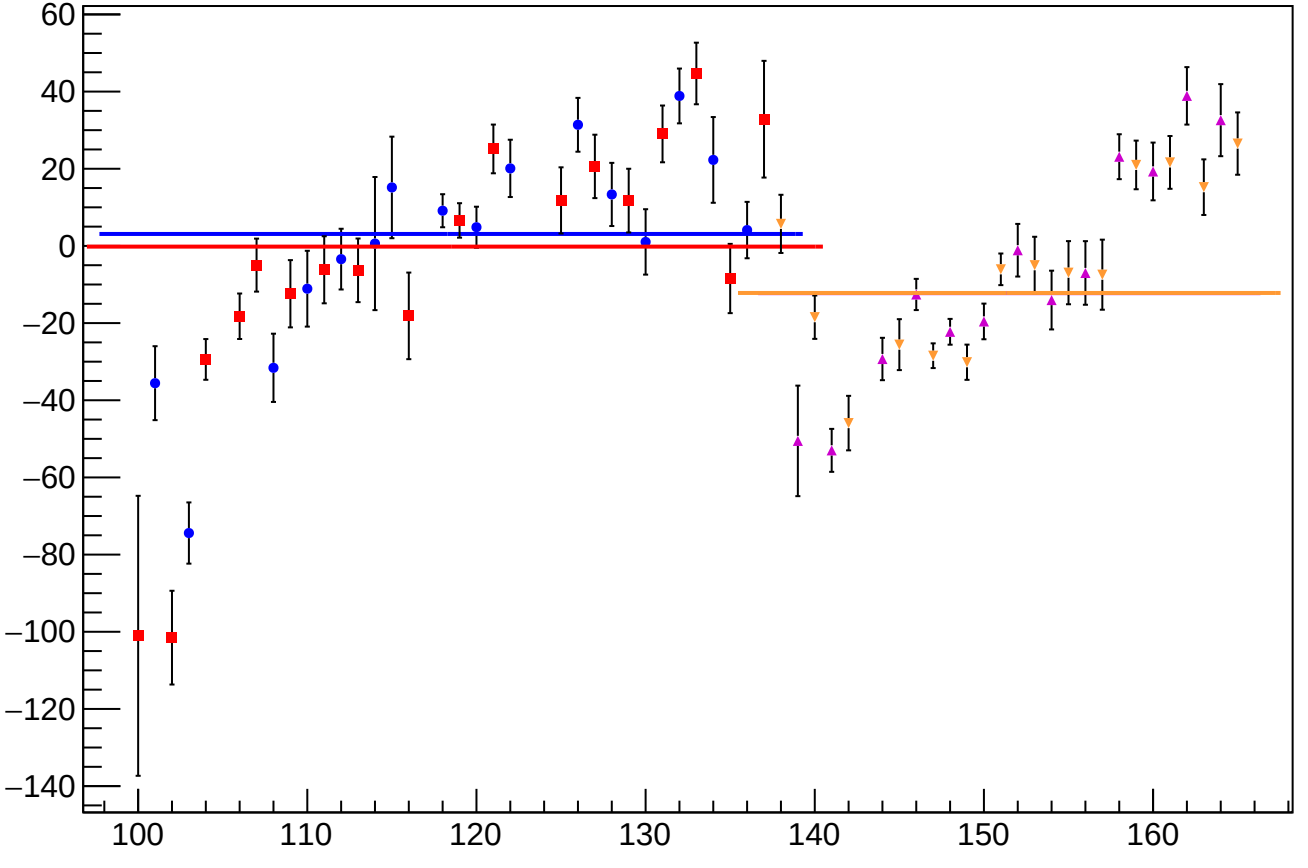
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.390+/-1.468 χ^2/NDF:3163.2/28

Out: 343.196+/-1.396 χ^2/NDF:5185.3/31

All: 355.166+/-1.012 χ^2/NDF: 8503.2/60

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -12.192+/-1.536 χ^2/NDF:168.6/13

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -12.240+/-1.585 χ^2/NDF:209.9/12

Left: -12.215+/-1.103 χ^2/NDF: 378.4/26

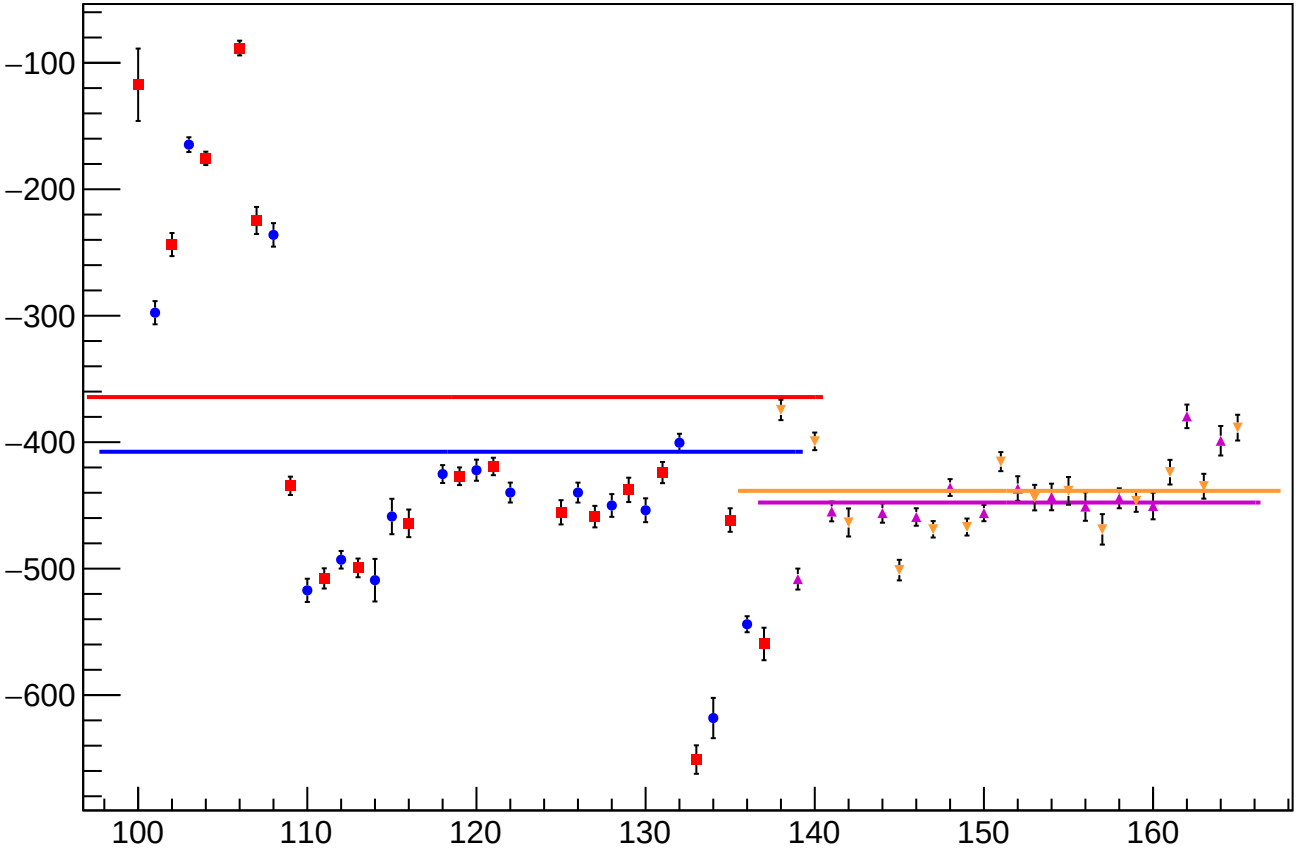
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -5.915+/-1.215 χ^2/NDF:433.0/28

Out: -7.102+/-1.166 χ^2/NDF:399.7/31

All: -6.533+/-0.841 χ^2/NDF: 833.2/60

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: -438.484+/-2.284 χ^2/NDF:242.6/13

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -447.725+/-2.312 χ^2/NDF:135.8/12

Left: -443.047+/-1.625 χ^2/NDF: 386.4/26

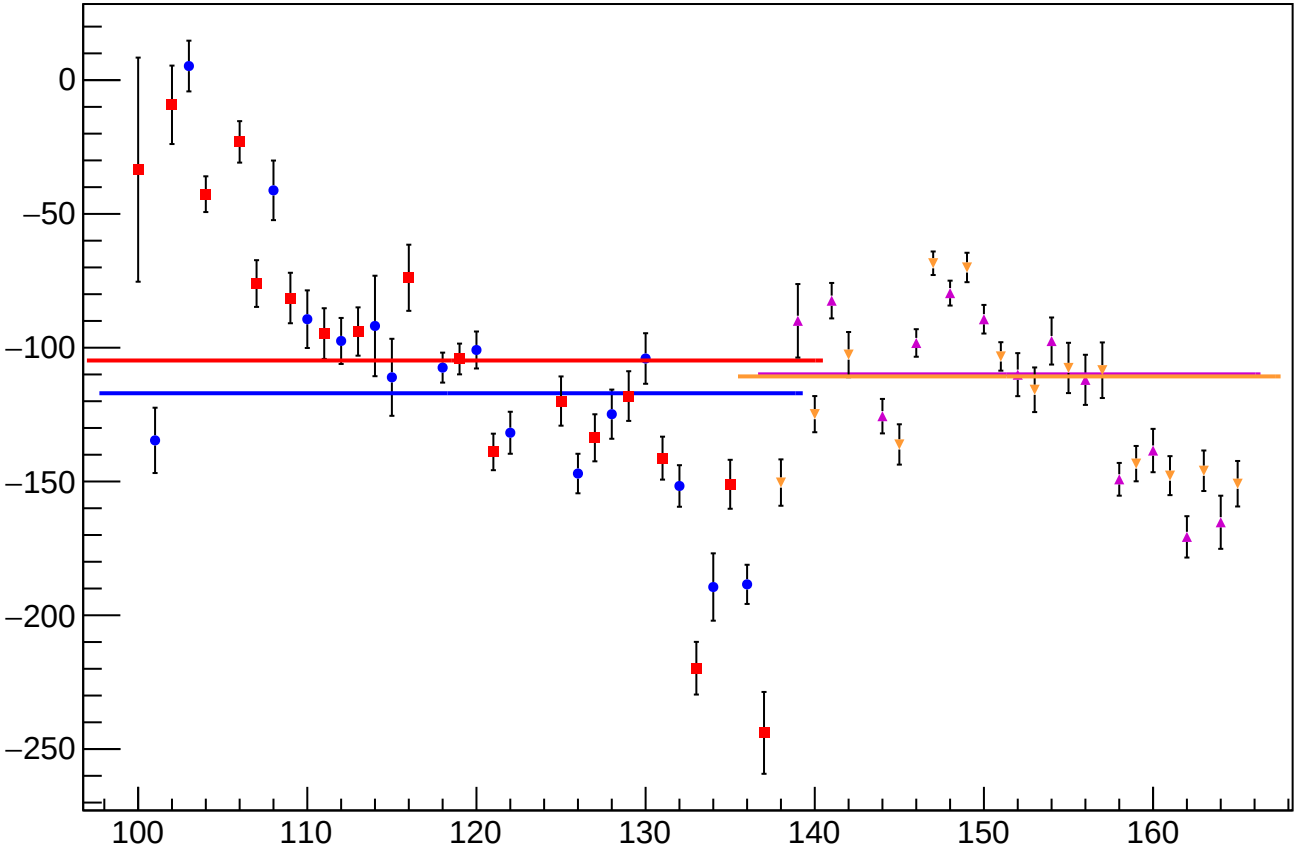
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.471+/-1.544 χ^2/NDF:3583.4/28

Out: -395.454+/-1.480 χ^2/NDF:7074.9/31

All: -409.824+/-1.068 χ^2/NDF: 10855.4/60

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: -110.731+/-1.841 χ^2/NDF:281.7/13

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -109.963+/-1.891 χ^2/NDF:236.1/12

Left: -110.357+/-1.319 χ^2/NDF: 517.9/26

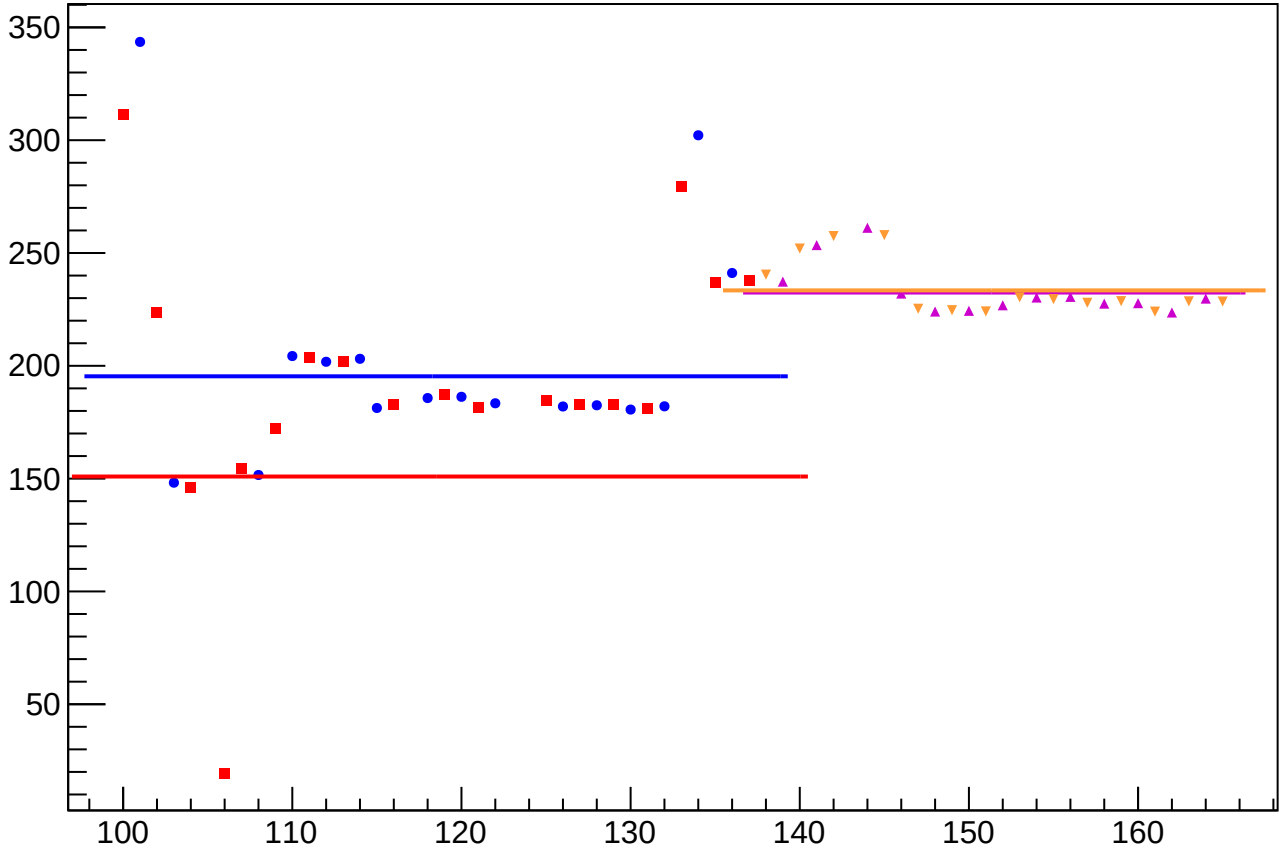
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -112.971+/-1.432 χ^2/NDF:649.9/28

Out: -108.132+/-1.382 χ^2/NDF:861.4/31

All: -110.464+/-0.994 χ^2/NDF: 1517.2/60

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: 233.432+/-0.089 χ^2/NDF:17065.6/13

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.471+/-0.089 χ^2/NDF:15012.6/12

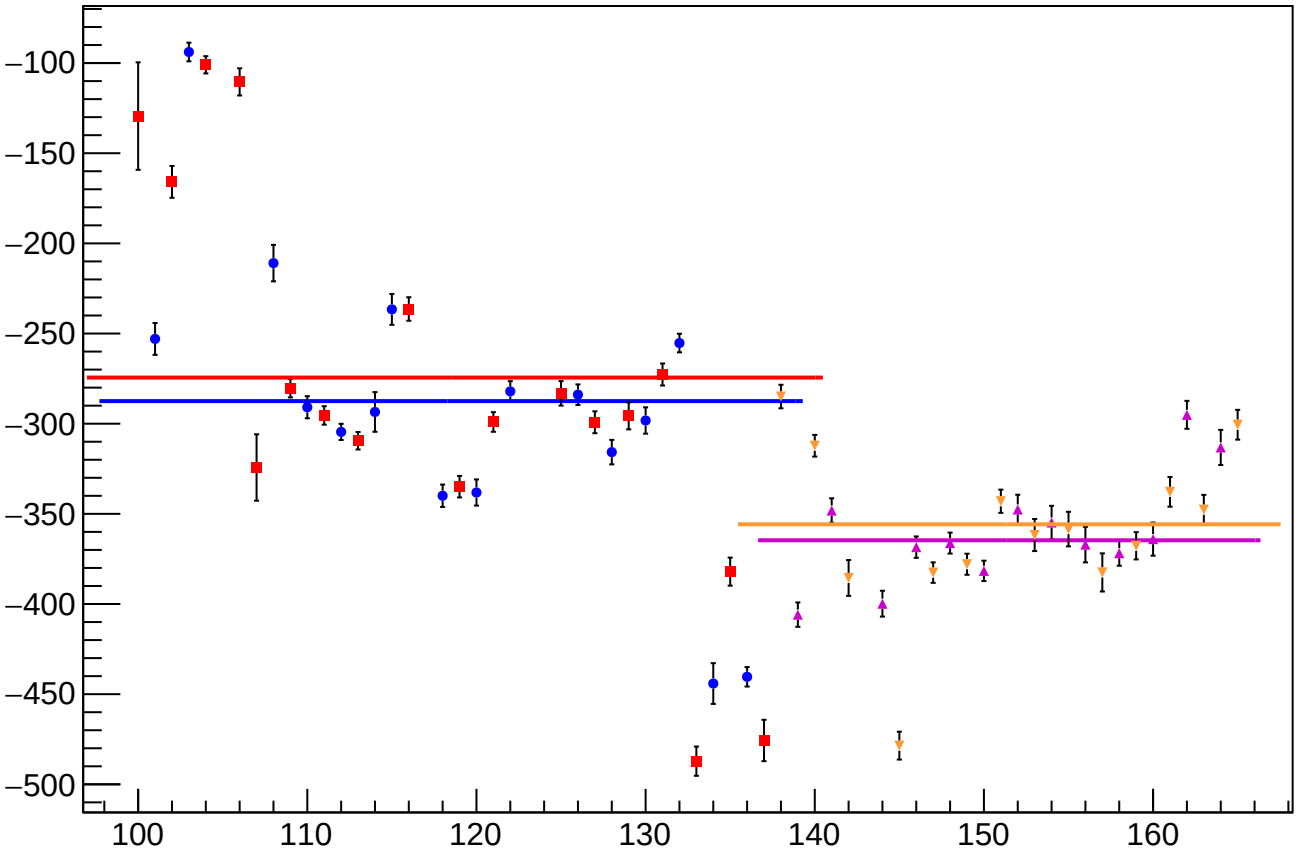
Left: 232.951+/-0.063 χ^2/NDF: 32136.8/26

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.973+/-0.072 χ^2/NDF:250831.3/28

Out: 200.938+/-0.069 χ^2/NDF:856199.2/31

All: 210.029+/-0.050 χ^2/NDF: 1143230.5/60



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -355.803+/-1.974 χ^2/NDF:531.6/13

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -364.659+/-2.004 χ^2/NDF:191.9/12

Left: -360.165+/-1.406 χ^2/NDF: 733.5/26

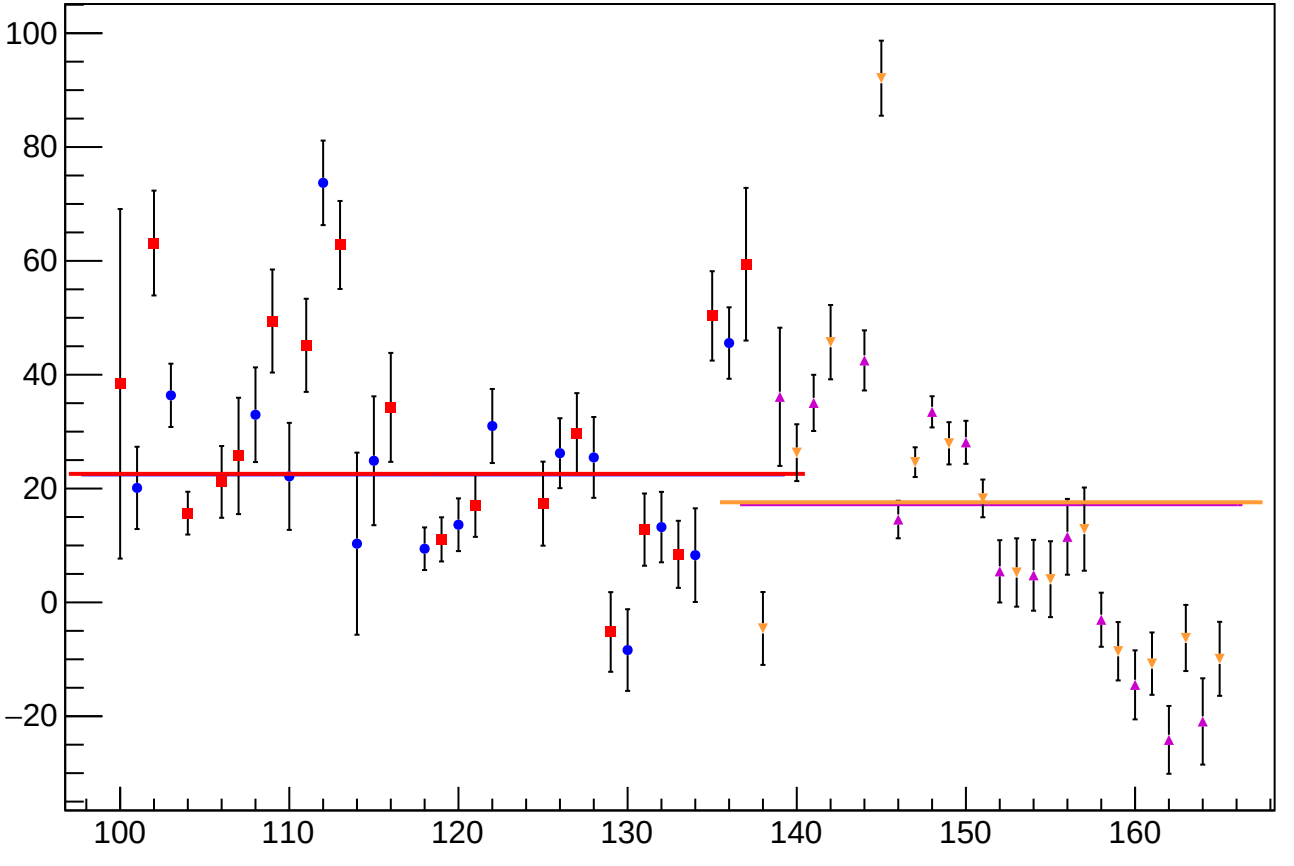
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -317.781+/-1.256 χ^2/NDF:3789.4/28

Out: -305.491+/-1.220 χ^2/NDF:4995.8/31

All: -311.458+/-0.875 χ^2/NDF: 8834.5/60

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: 17.587+/-1.276 χ^2/NDF:272.7/13

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 17.250+/-1.316 χ^2/NDF:211.0/12

Left: 17.424+/-0.916 χ^2/NDF: 483.8/26

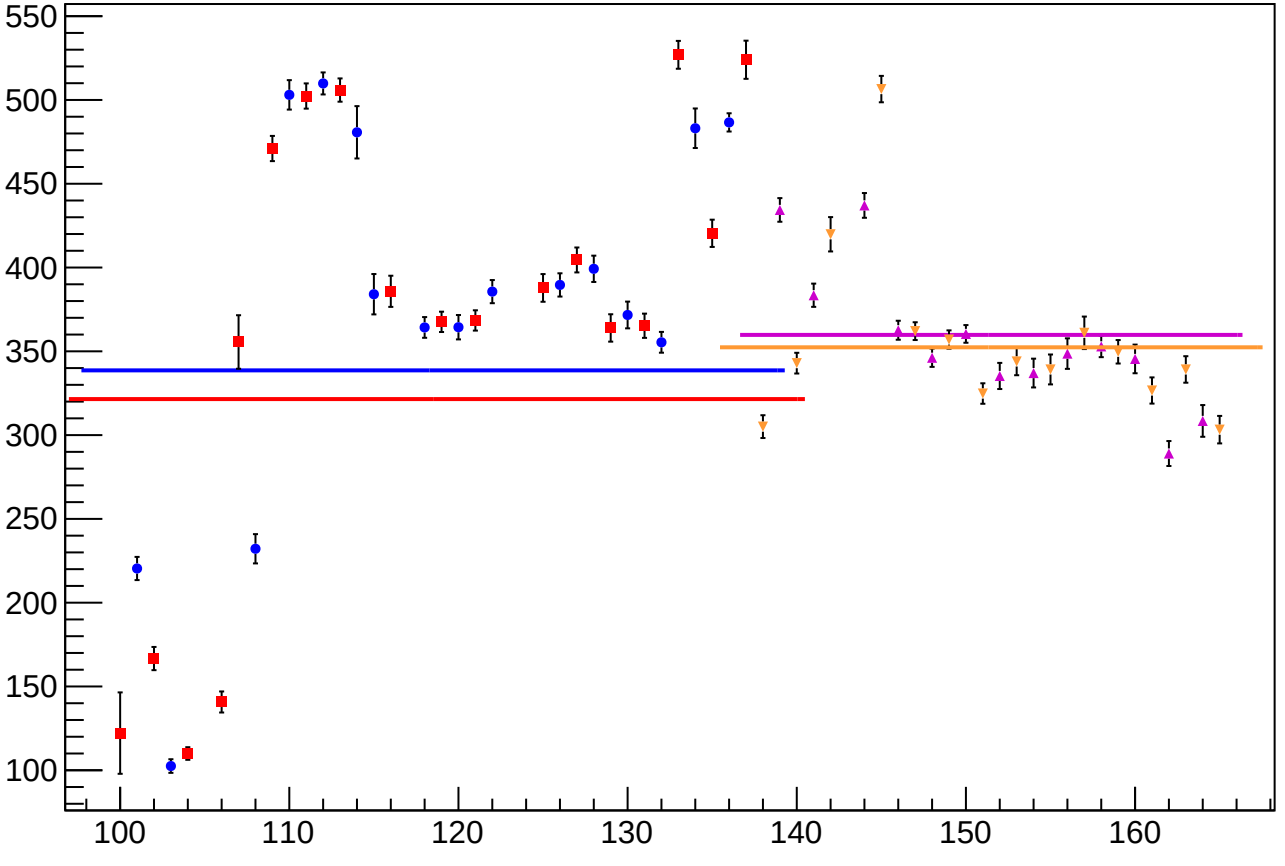
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 19.332+/-1.021 χ^2/NDF:328.7/28

Out: 19.573+/-0.990 χ^2/NDF:402.2/31

All: 19.456+/-0.711 χ^2/NDF: 730.9/60

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: 352.394+/-1.907 χ^2/NDF:554.9/13

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 359.798+/-1.928 χ^2/NDF:381.5/12

Left: 356.057+/-1.356 χ^2/NDF: 943.8/26

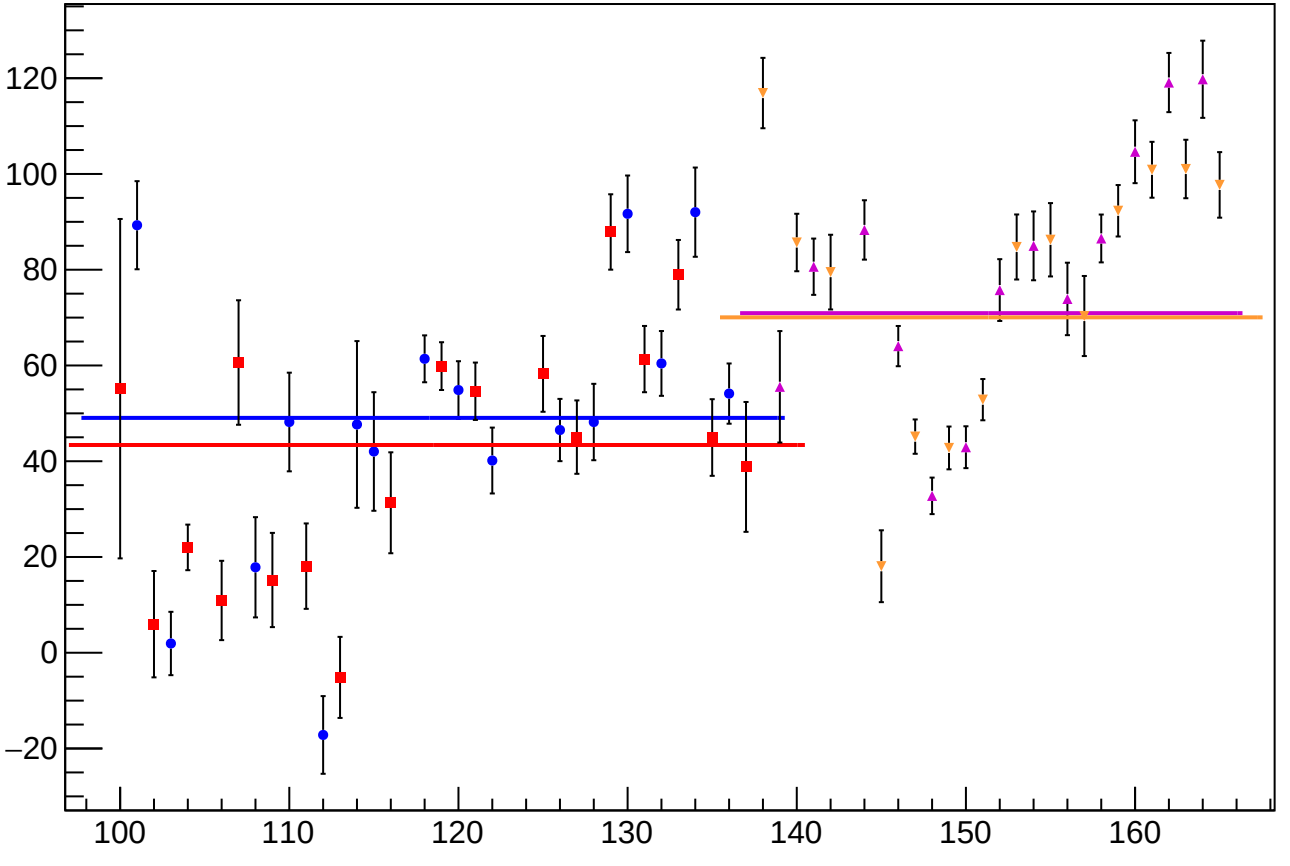
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 348.185+/-1.295 χ^2/NDF:6490.3/28

Out: 335.125+/-1.267 χ^2/NDF:8422.3/31

All: 341.511+/-0.906 χ^2/NDF: 14964.6/60

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 70.049+/-1.530 χ^2/NDF:294.6/13

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 70.928+/-1.570 χ^2/NDF:294.2/12

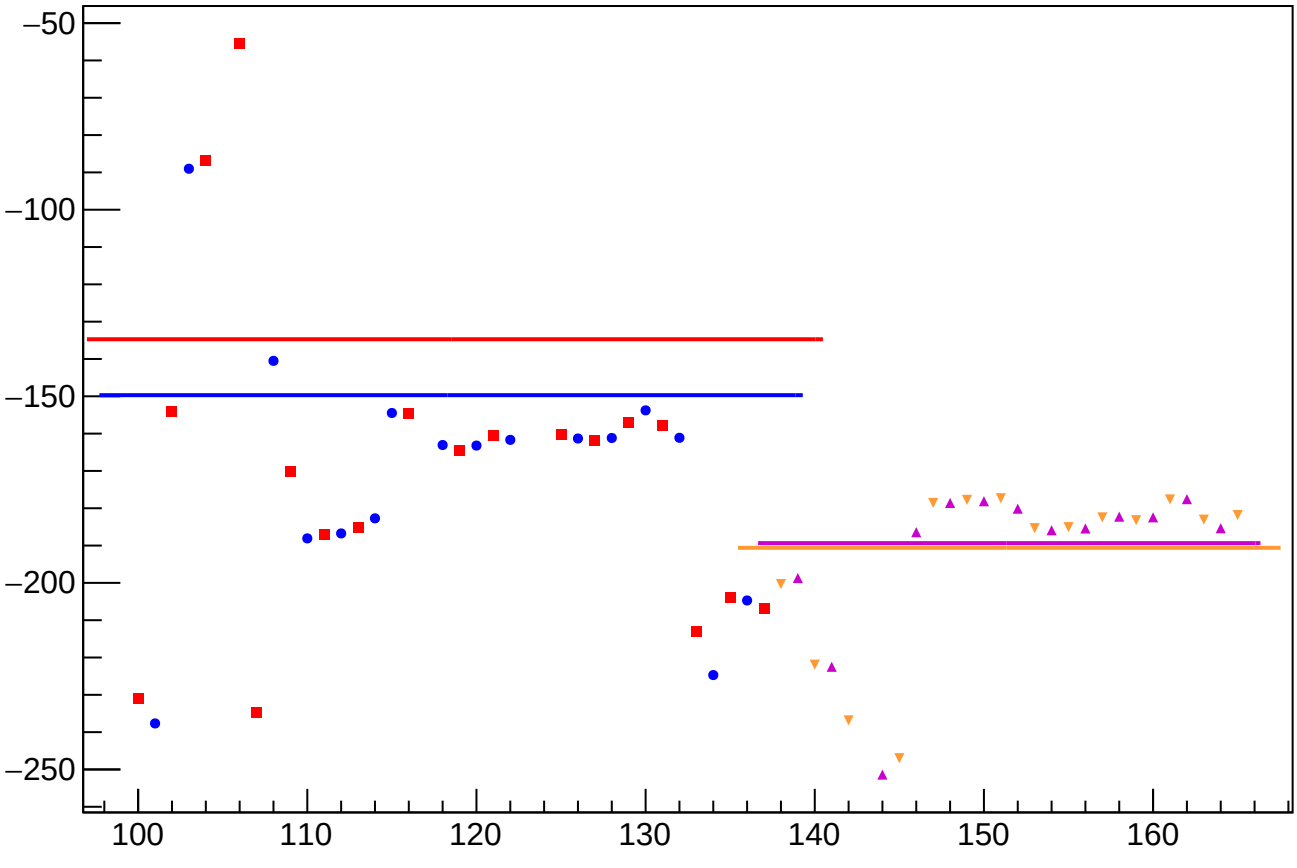
Left: 70.477+/-1.096 χ^2/NDF: 589.0/26

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 61.953+/-1.206 χ^2/NDF:581.8/28

Out: 59.112+/-1.175 χ^2/NDF:599.2/31

All: 60.495+/-0.841 χ^2/NDF: 1183.8/60



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -190.603+/-0.074 χ^2/NDF:73678.7/13

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -189.347+/-0.074 χ^2/NDF:60137.6/12

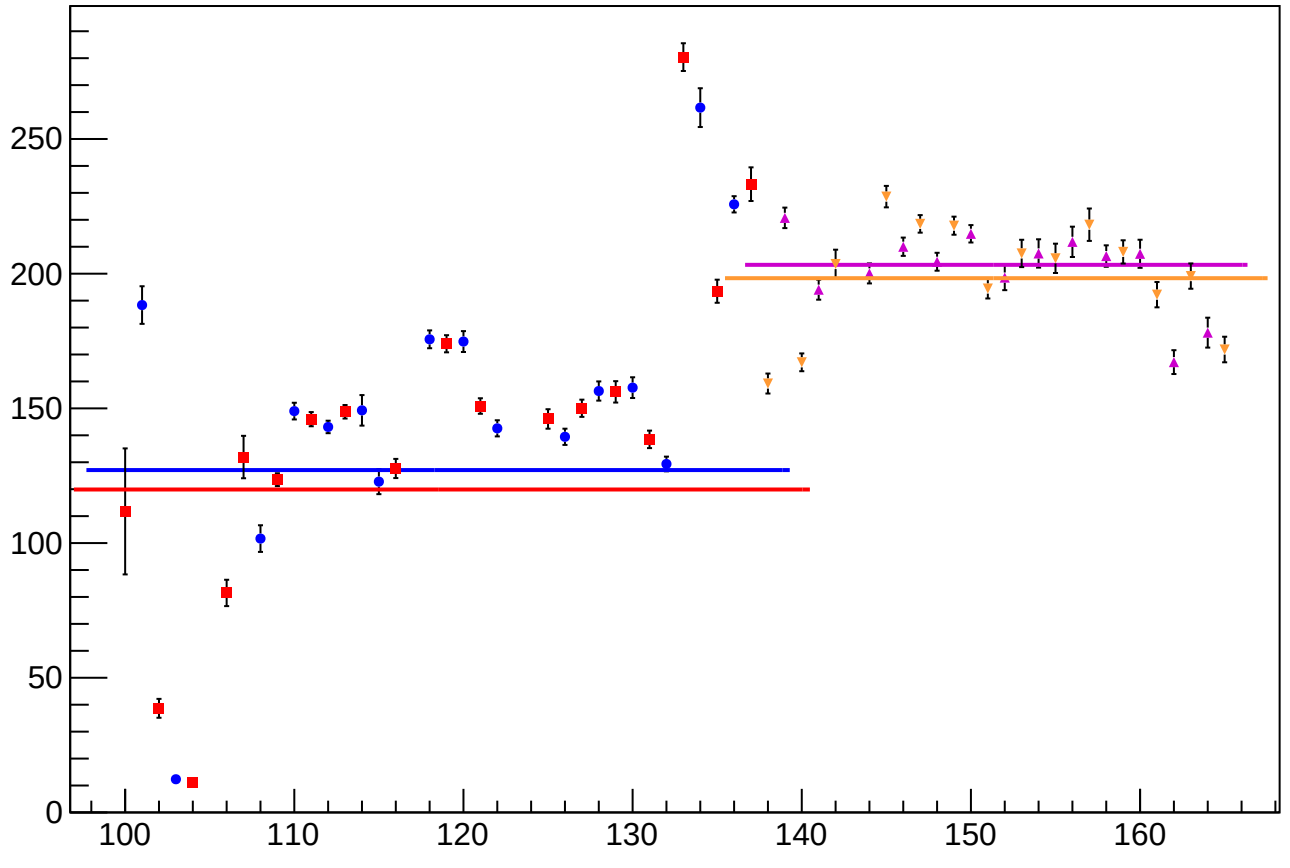
Left: -189.973+/-0.052 χ^2/NDF: 133961.3/26

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.548+/-0.059 χ^2/NDF:417439.0/28

Out: -170.093+/-0.059 χ^2/NDF:596480.1/31

All: -172.787+/-0.042 χ^2/NDF: 1018175.0/60



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.329+/-1.112 χ^2/NDF:386.6/13

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 203.284+/-1.129 χ^2/NDF:137.1/12

Left: 200.768+/-0.792 χ^2/NDF: 533.4/26

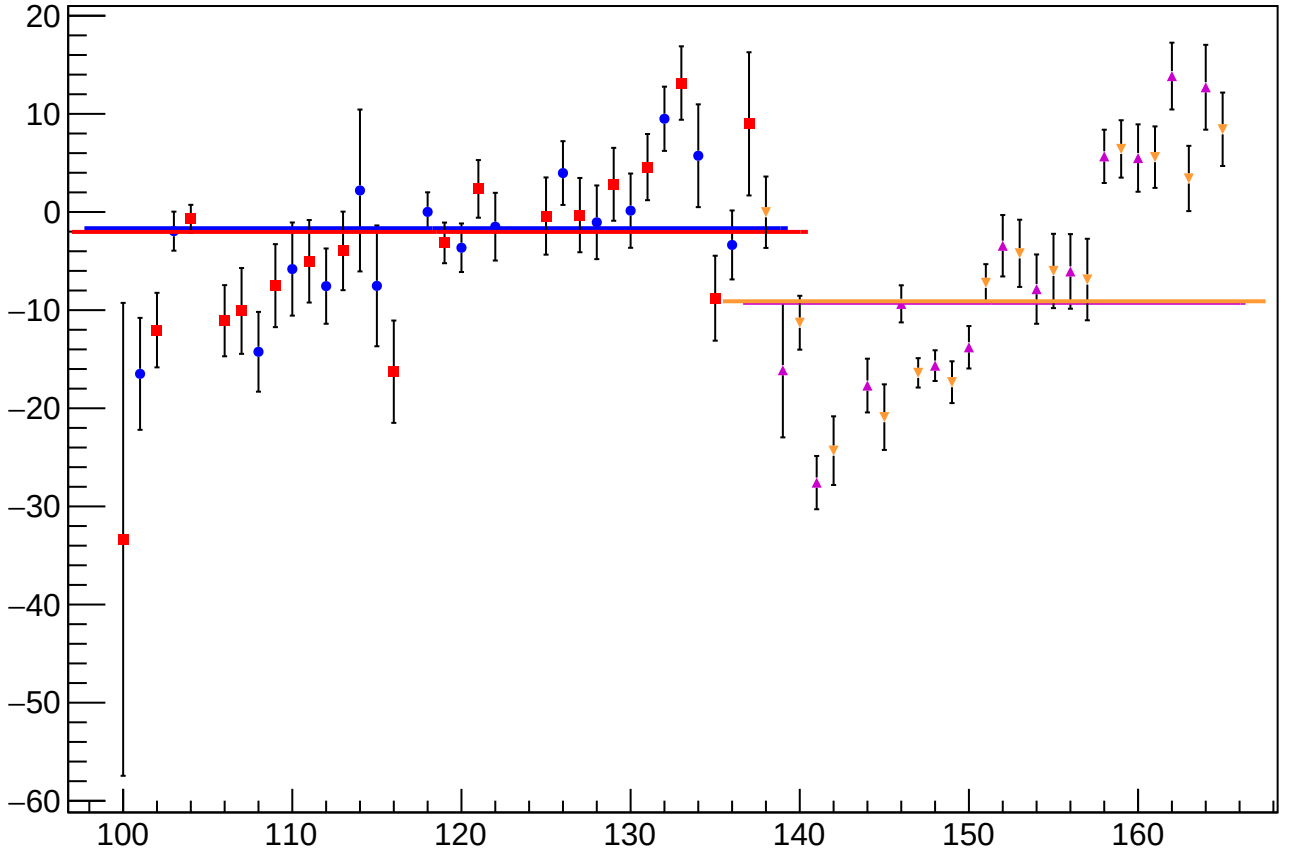
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 153.010+/-0.659 χ^2/NDF:9302.8/28

Out: 145.493+/-0.635 χ^2/NDF:10387.3/31

All: 149.116+/-0.457 χ^2/NDF: 19757.5/60

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: -9.097+/-0.722 χ^2/NDF:167.2/13

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -9.251+/-0.745 χ^2/NDF:202.1/12

Left: -9.172+/-0.518 χ^2/NDF: 369.3/26

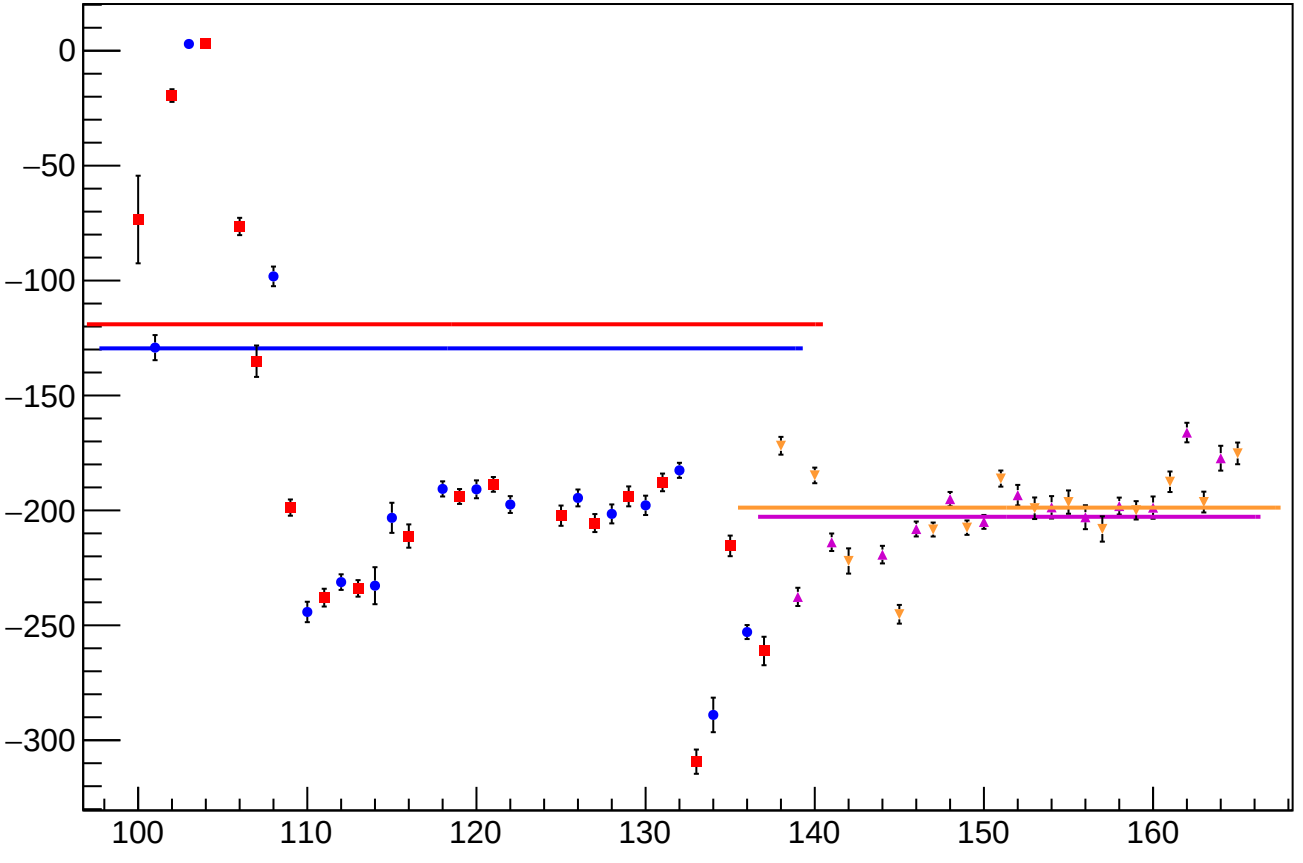
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.874+/-0.555 χ^2/NDF:287.4/28

Out: -5.789+/-0.527 χ^2/NDF:270.6/31

All: -5.829+/-0.382 χ^2/NDF: 558.1/60

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -198.791+/-1.077 χ^2/NDF:278.5/13

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -202.779+/-1.088 χ^2/NDF:217.5/12

Left: -200.764+/-0.765 χ^2/NDF: 502.8/26

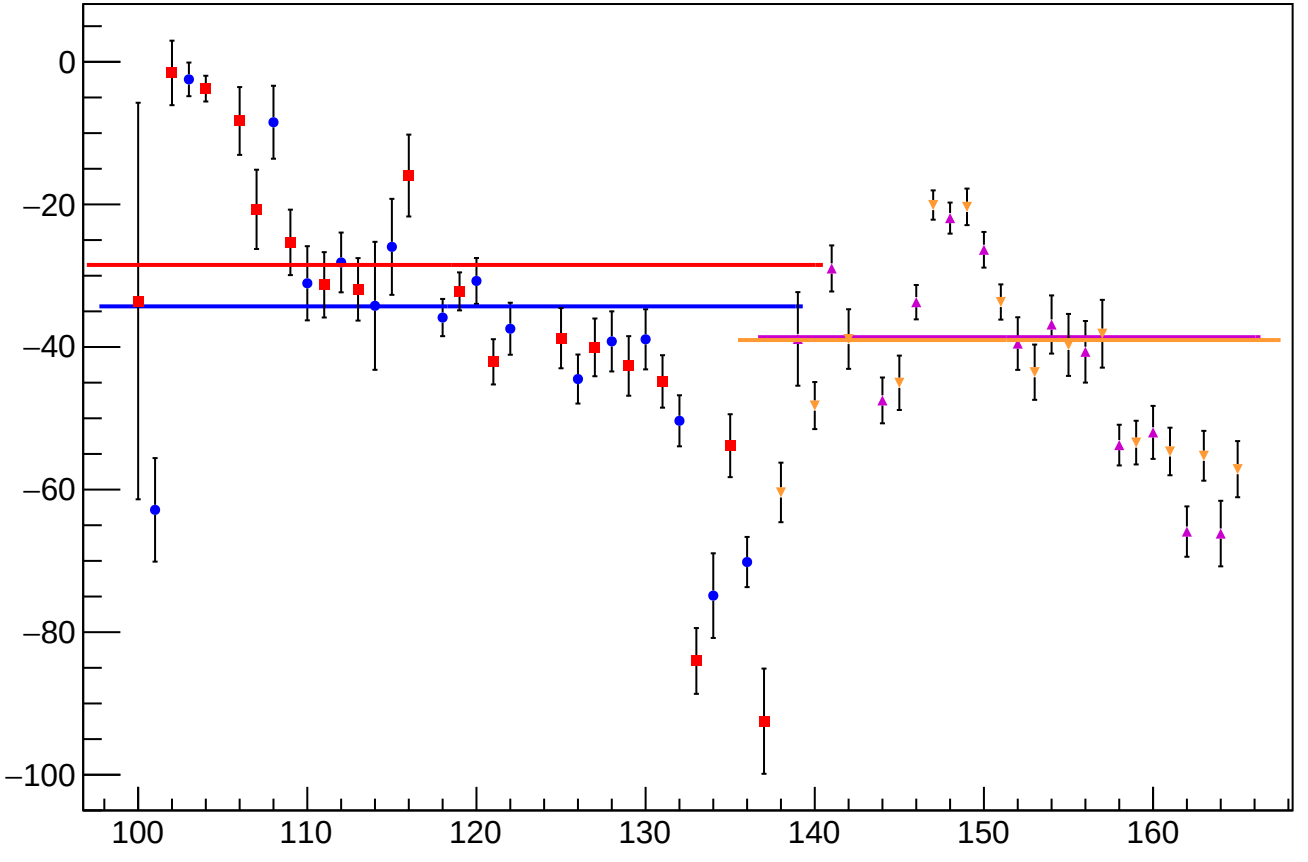
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -157.120+/-0.668 χ^2/NDF:17731.1/28

Out: -147.982+/-0.649 χ^2/NDF:19952.6/31

All: -152.417+/-0.465 χ^2/NDF: 37780.0/60

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: -39.024+/-0.866 χ^2/NDF:267.4/13

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -38.621+/-0.888 χ^2/NDF:240.5/12

Left: -38.828+/-0.620 χ^2/NDF: 508.0/26

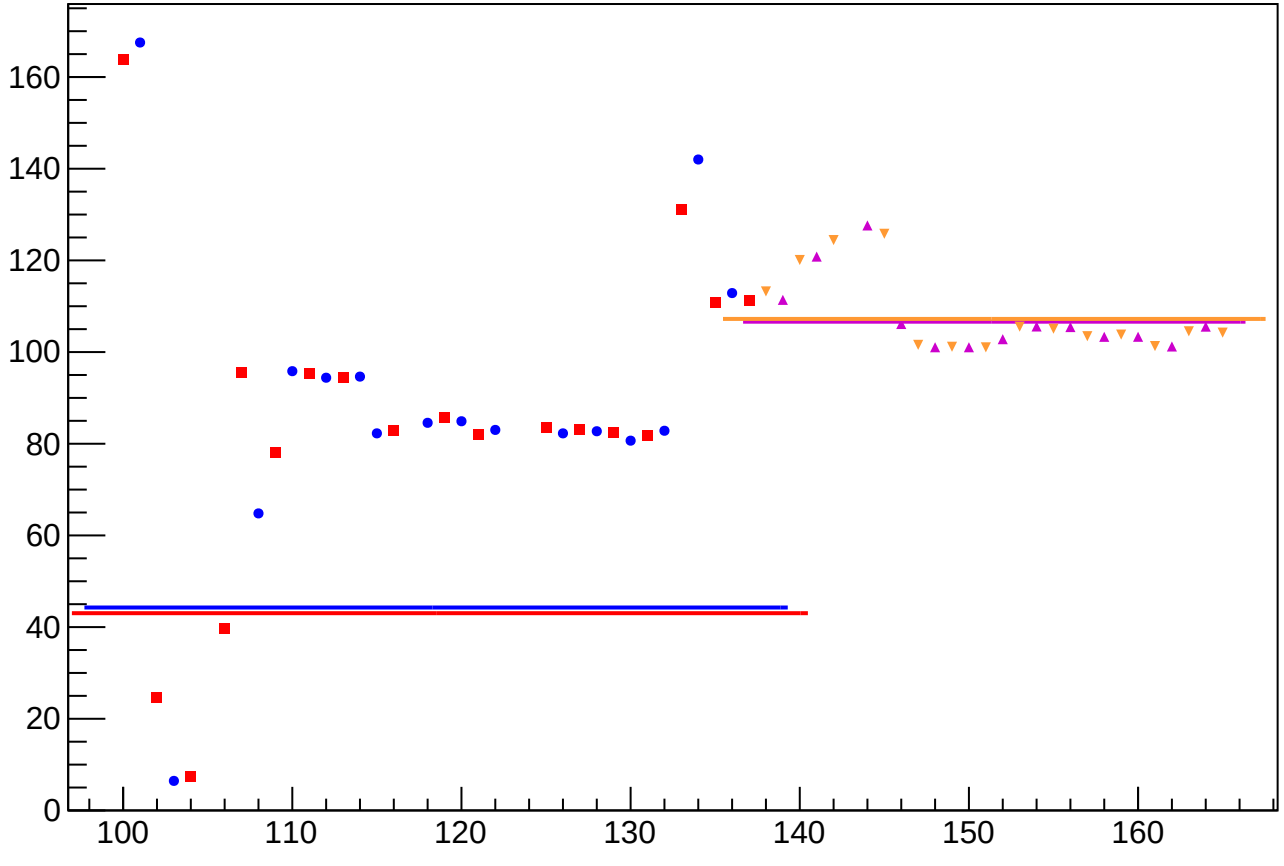
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -36.646+/-0.654 χ^2/NDF:662.6/28

Out: -34.002+/-0.626 χ^2/NDF:906.0/31

All: -35.266+/-0.452 χ^2/NDF: 1577.2/60

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: 107.232+/-0.042 χ^2/NDF:36922.6/13

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.628+/-0.042 χ^2/NDF:31354.3/12

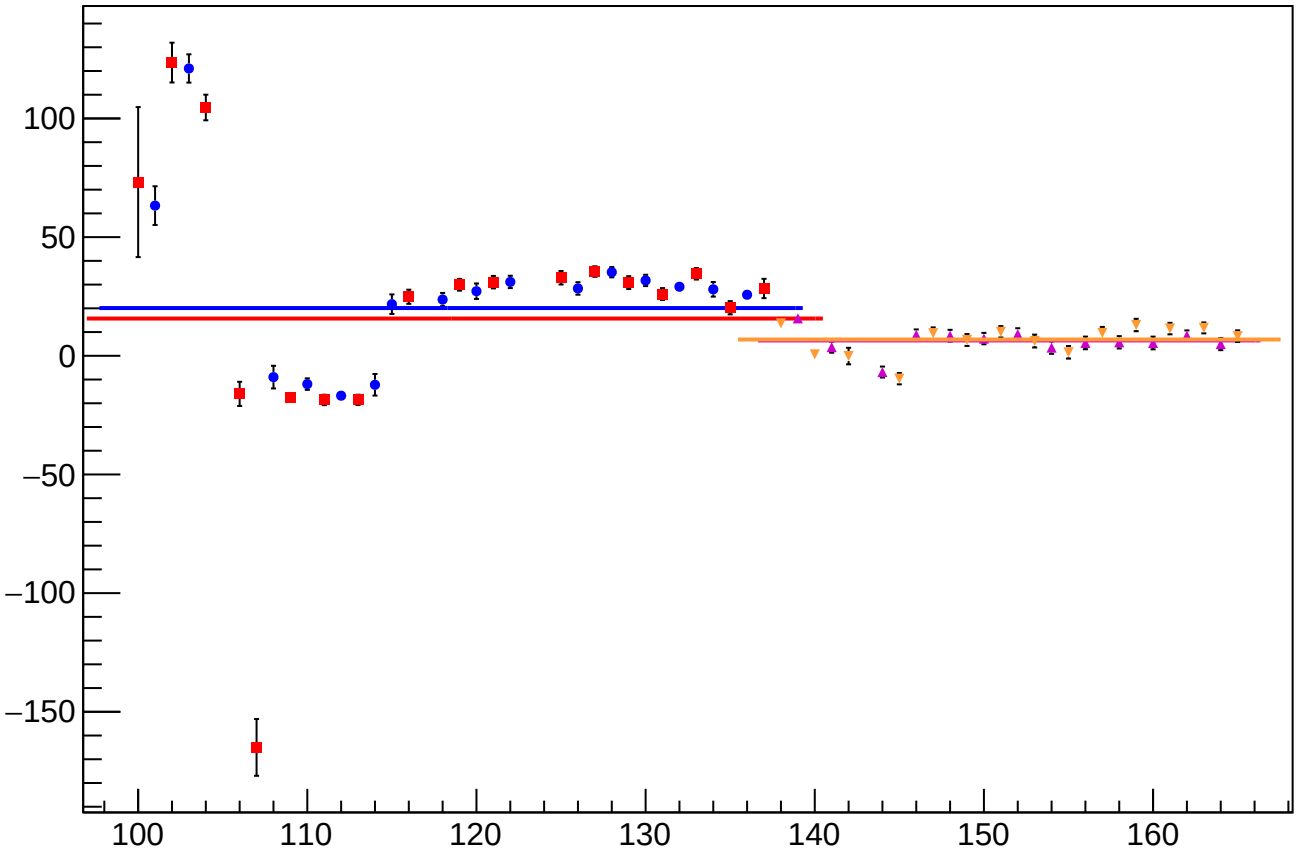
Left: 106.929+/-0.029 χ^2/NDF: 68381.9/26

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

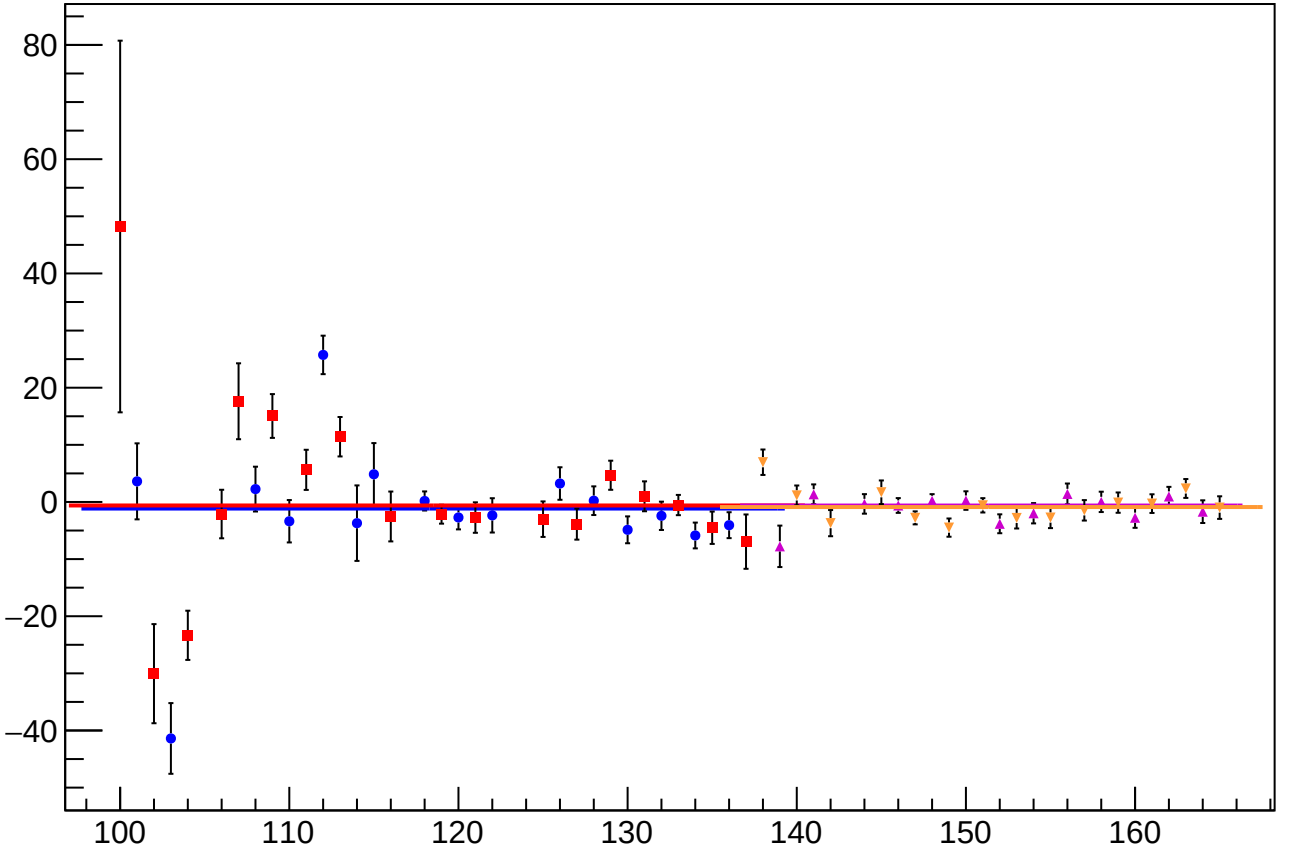
In: 77.805+/-0.031 χ^2/NDF:2151618.9/28

Out: 77.571+/-0.031 χ^2/NDF:1935154.8/31

All: 77.688+/-0.022 χ^2/NDF: 4086803.1/60


reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: 20.117+/-0.687 χ²/NDF: 1048.1/15
Left Out: 6.868+/-0.657 χ²/NDF:93.4/13
Right Out: 15.700+/-0.682 χ²/NDF: 1773.8/17
Left In: 6.476+/-0.667 χ²/NDF:62.2/12
Left: 6.675+/-0.468 χ²/NDF: 155.8/26
Right: 17.893+/-0.484 χ²/NDF: 2842.7/33
In: 13.091+/-0.478 χ²/NDF:1313.4/28
Out: 11.116+/-0.473 χ²/NDF:1954.3/31
All: 12.092+/-0.336 χ²/NDF: 3276.2/60

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.889+/-0.449 χ^2/NDF:31.2/13

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.625+/-0.461 χ^2/NDF:14.3/12

Left: -0.761+/-0.322 χ^2/NDF: 45.7/26

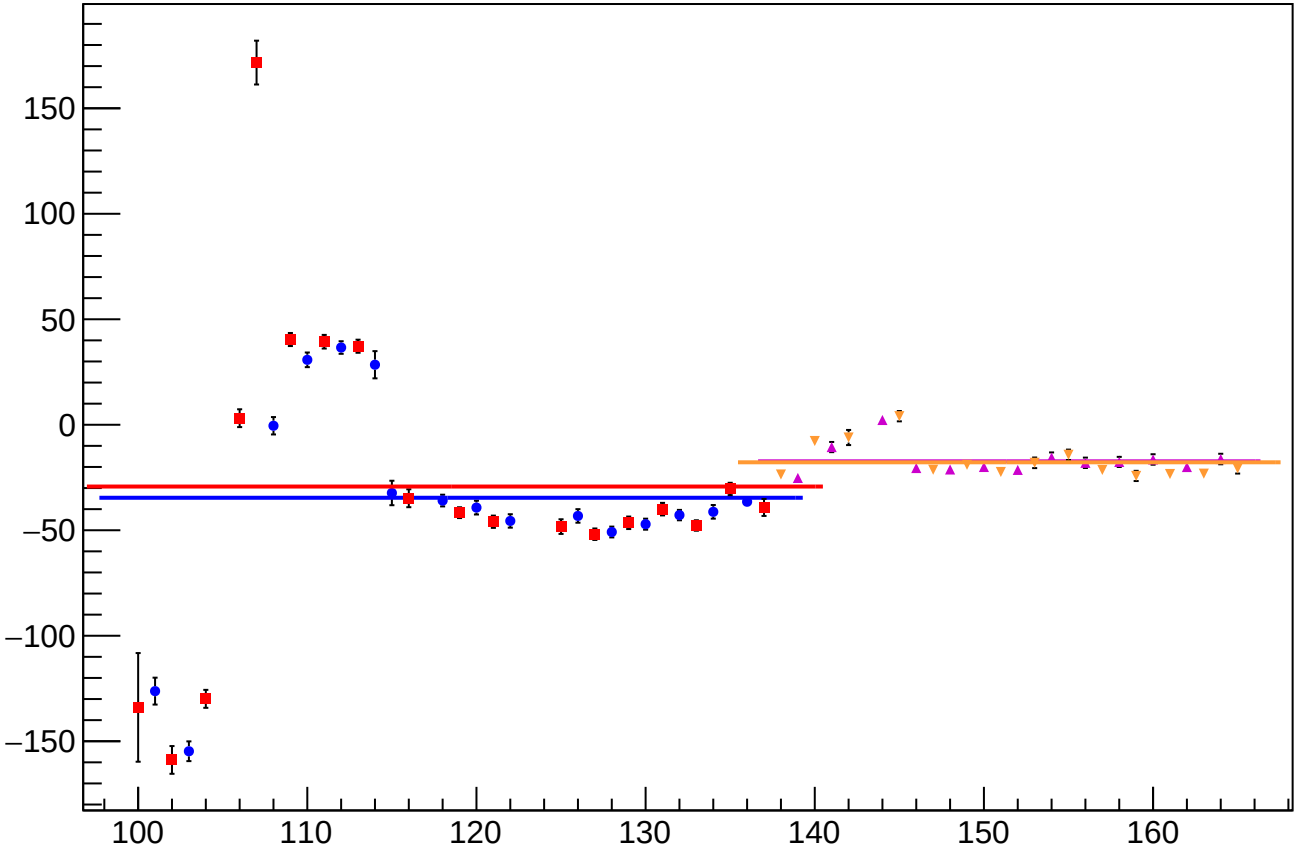
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.785+/-0.385 χ^2/NDF:136.6/28

Out: -0.811+/-0.380 χ^2/NDF:124.6/31

All: -0.798+/-0.270 χ^2/NDF: 261.2/60

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: -17.790+/-0.636 χ^2/NDF:151.5/13

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.326+/-0.644 χ^2/NDF:102.0/12

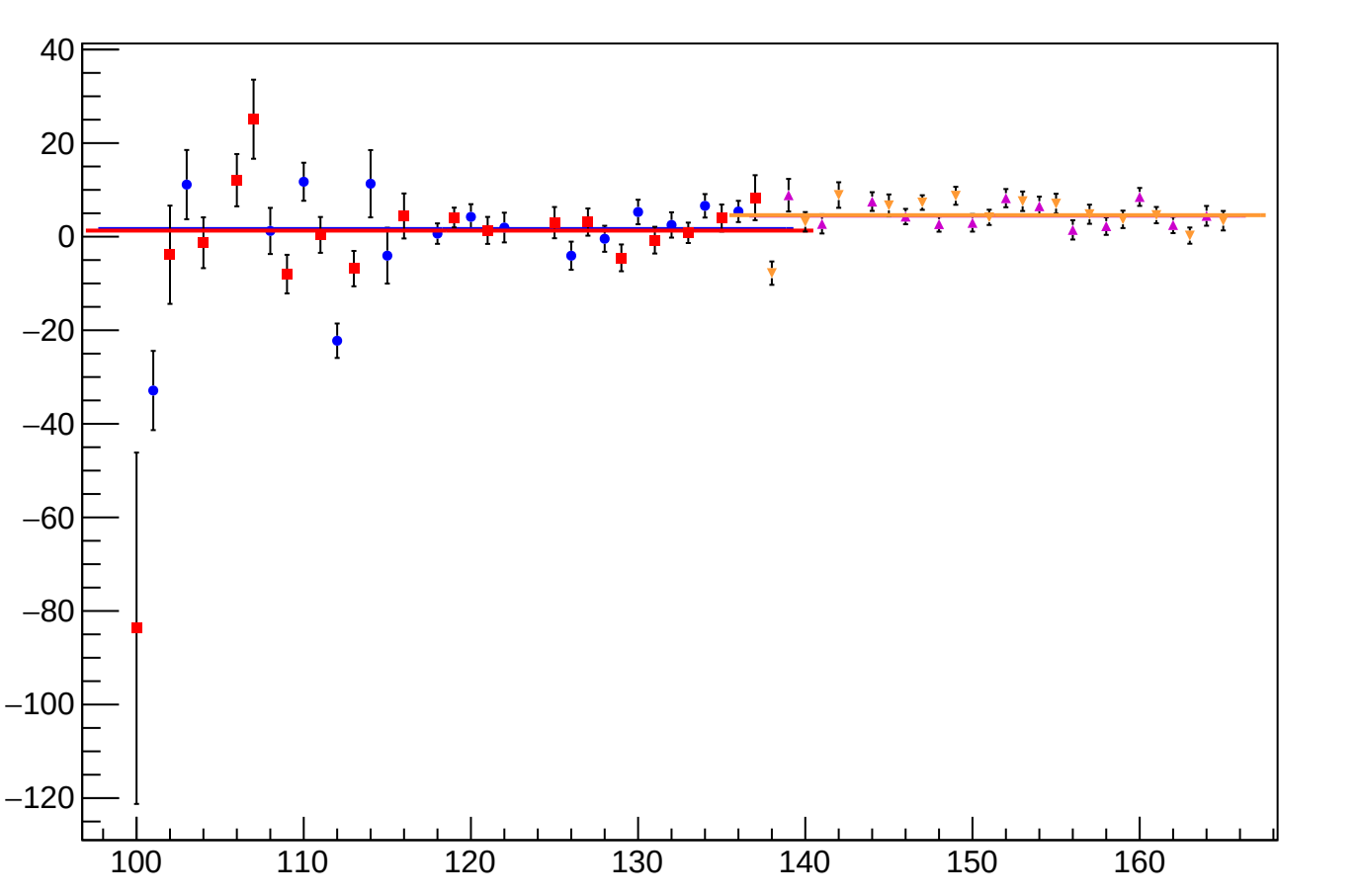
Left: -17.561+/-0.452 χ^2/NDF: 253.7/26

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.255+/-0.498 χ^2/NDF:2449.5/28

Out: -22.239+/-0.498 χ^2/NDF:3358.9/31

All: -23.247+/-0.352 χ^2/NDF: 5816.6/60



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.594+/-0.524 χ^2/NDF:46.4/13

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.504+/-0.538 χ^2/NDF:20.5/12

Left: 4.550+/-0.375 χ^2/NDF: 66.9/26

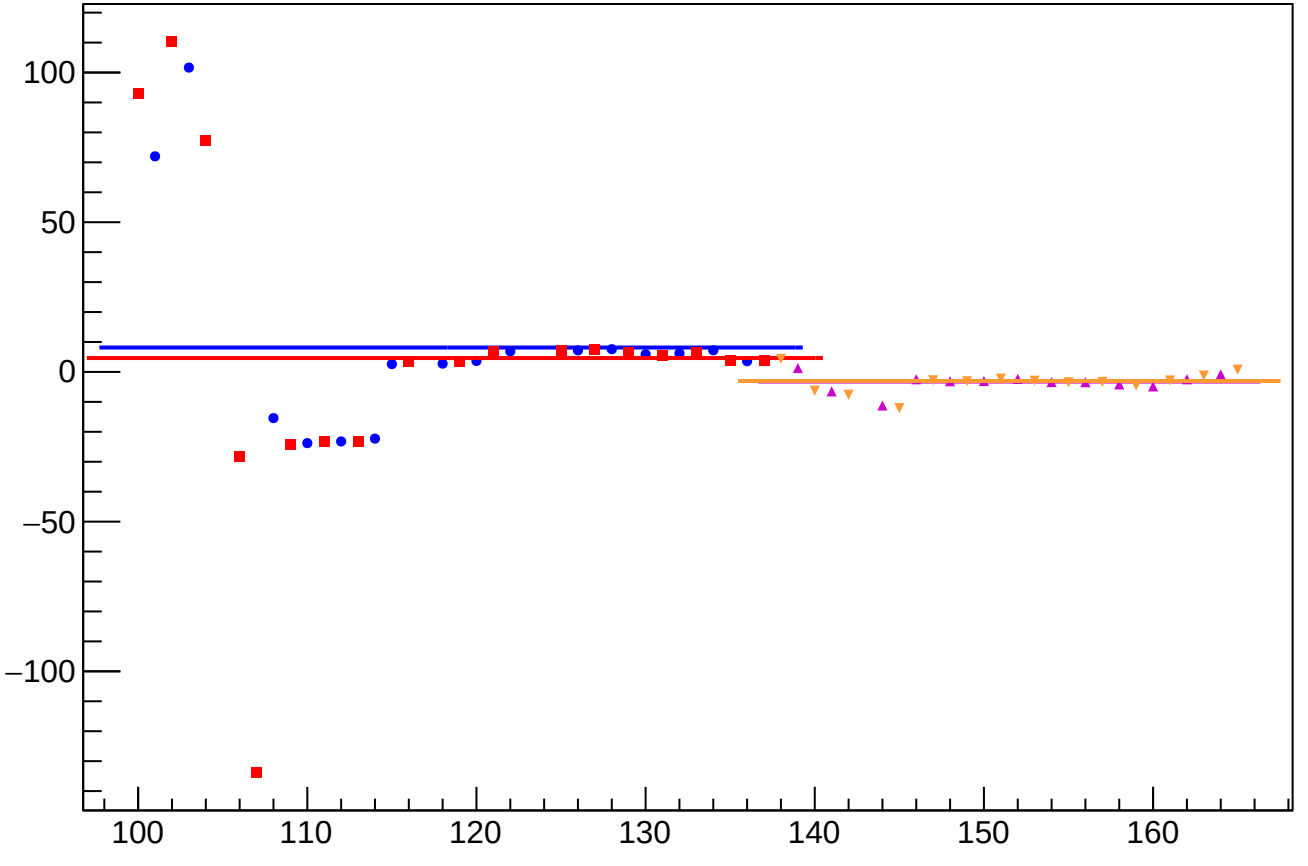
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.605+/-0.446 χ^2/NDF:112.7/28

Out: 3.633+/-0.441 χ^2/NDF:95.5/31

All: 3.619+/-0.313 χ^2/NDF: 208.2/60

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: -3.033+/-0.024 χ^2/NDF:21102.6/13

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.219+/-0.024 χ^2/NDF:11854.5/12

Left: -3.125+/-0.017 χ^2/NDF: 32987.2/26

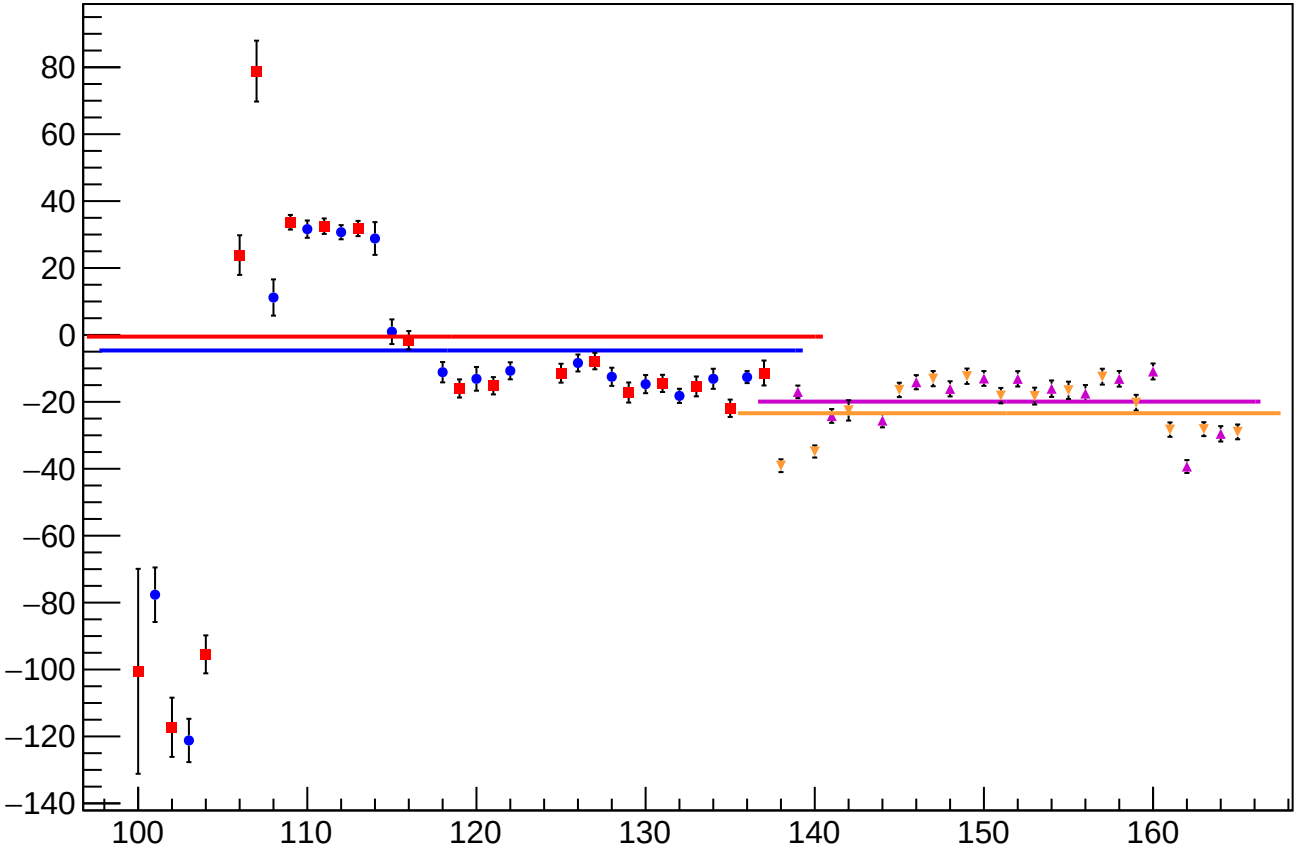
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.960+/-0.022 χ^2/NDF:369432.4/28

Out: -1.683+/-0.022 χ^2/NDF:486056.7/31

All: -1.319+/-0.015 χ^2/NDF: 856047.4/60

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.399+/-0.599 χ^2/NDF:216.7/13

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.928+/-0.608 χ^2/NDF:188.1/12

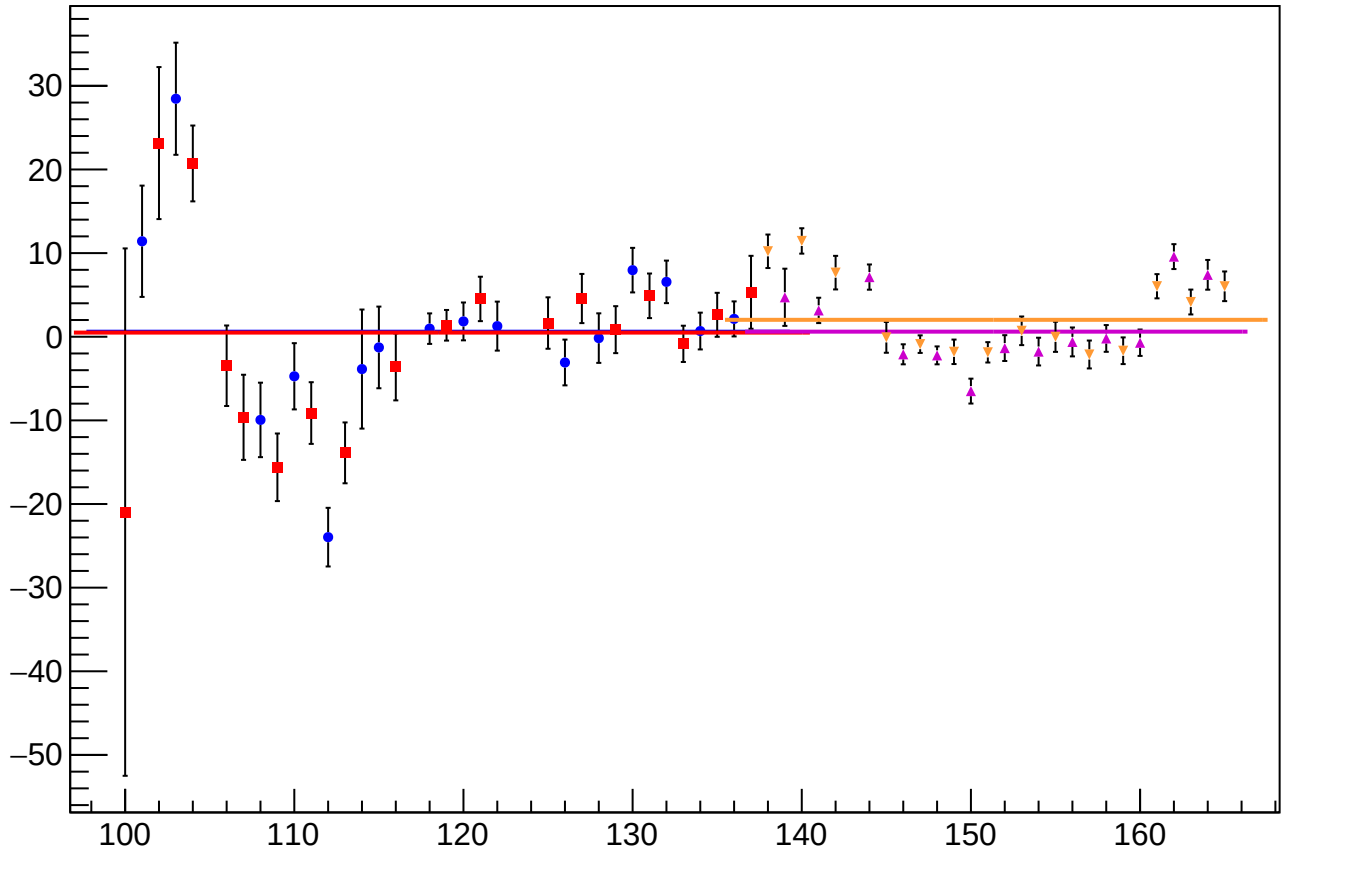
Left: -21.690+/-0.427 χ^2/NDF: 421.3/26

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -13.474+/-0.462 χ^2/NDF:1501.0/28

Out: -13.890+/-0.458 χ^2/NDF:2280.9/31

All: -13.684+/-0.325 χ^2/NDF: 3782.4/60



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.023+/-0.411 χ^2/NDF:117.5/13

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.609+/-0.420 χ^2/NDF:114.0/12

Left: 1.332+/-0.294 χ^2/NDF: 237.3/26

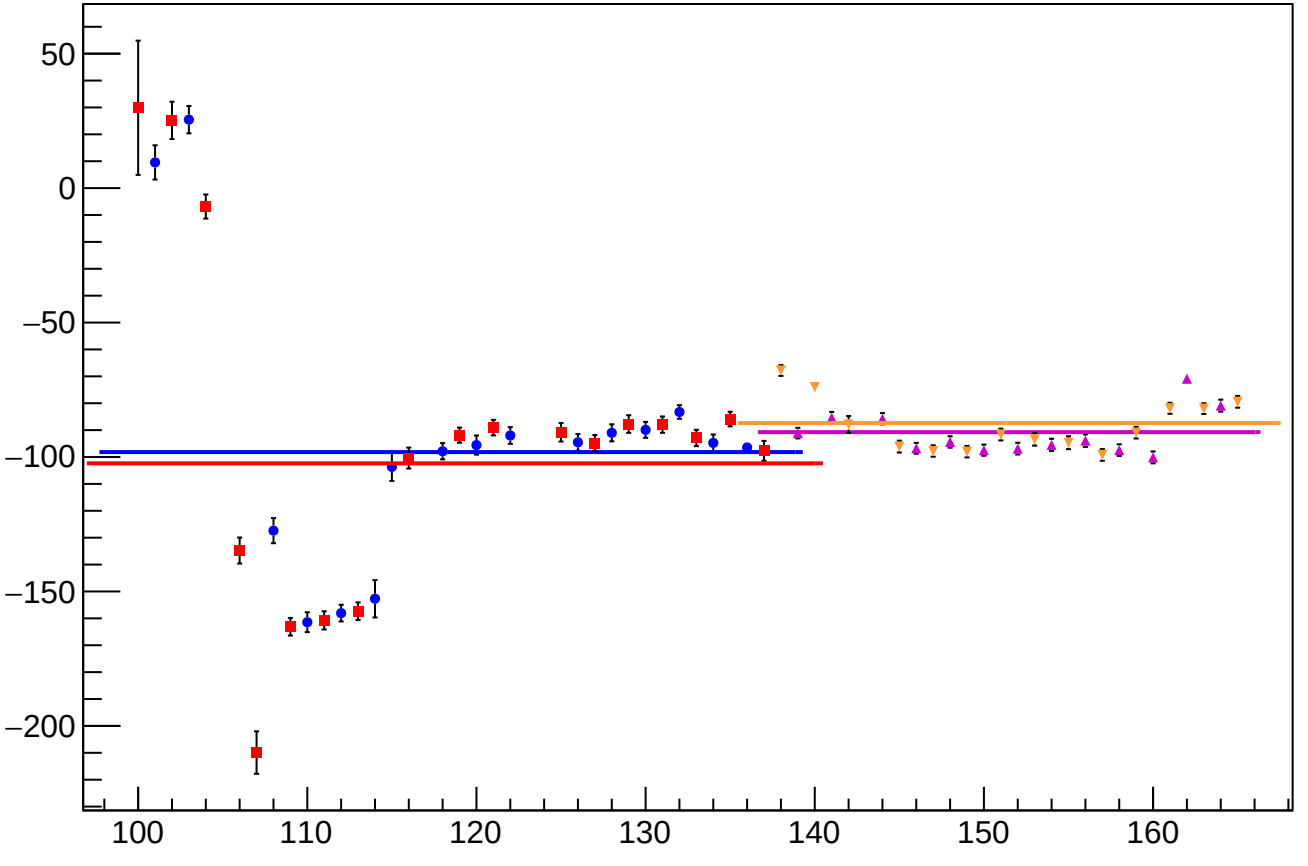
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.607+/-0.364 χ^2/NDF:206.9/28

Out: 1.674+/-0.361 χ^2/NDF:200.8/31

All: 1.145+/-0.256 χ^2/NDF: 412.0/60

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: -87.374+/-0.581 χ^2/NDF:289.9/13

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.739+/-0.587 χ^2/NDF:210.1/12

Left: -89.038+/-0.413 χ^2/NDF: 516.6/26

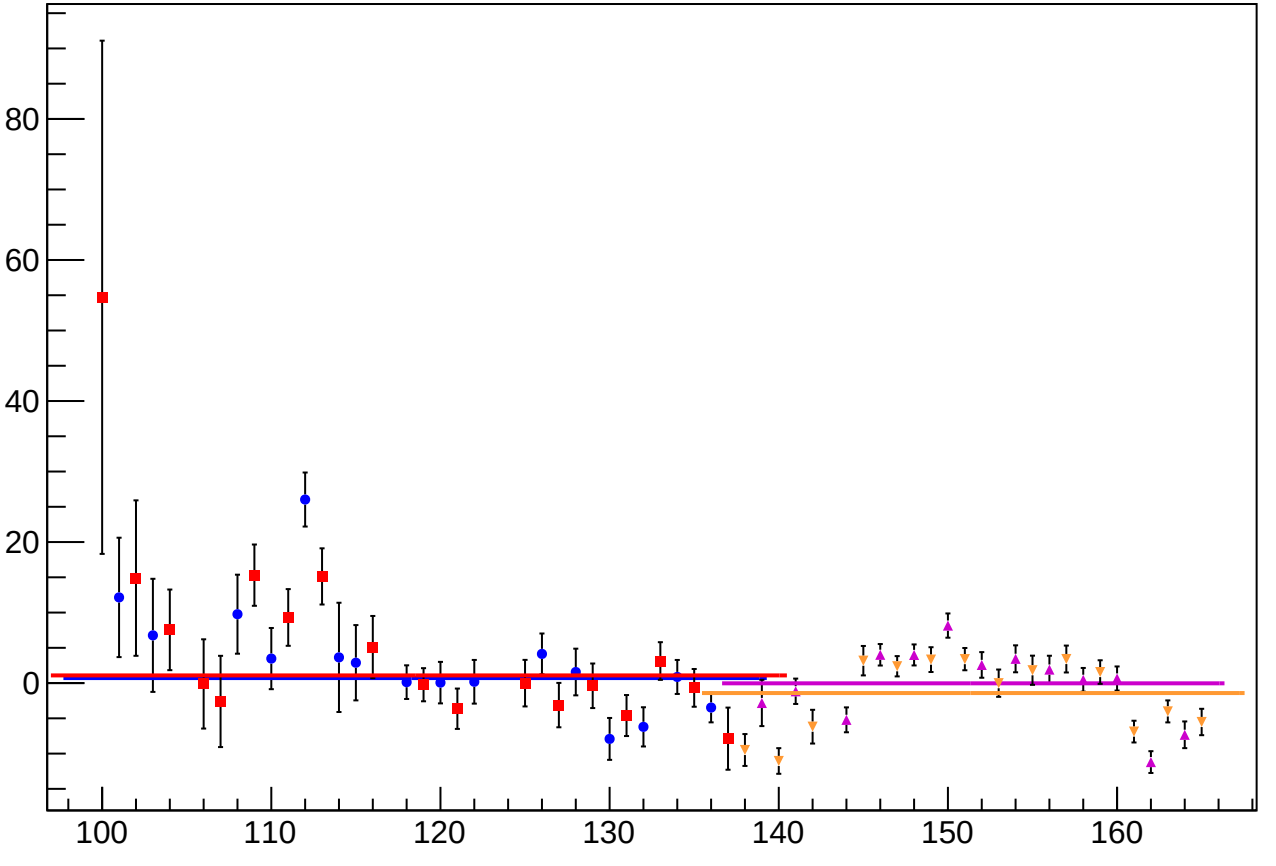
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -93.288+/-0.476 χ^2/NDF:1964.9/28

Out: -92.245+/-0.477 χ^2/NDF:2623.4/31

All: -92.768+/-0.337 χ^2/NDF: 4590.7/60

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: -1.413+/-0.479 χ^2/NDF:105.9/13

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.034+/-0.489 χ^2/NDF:120.5/12

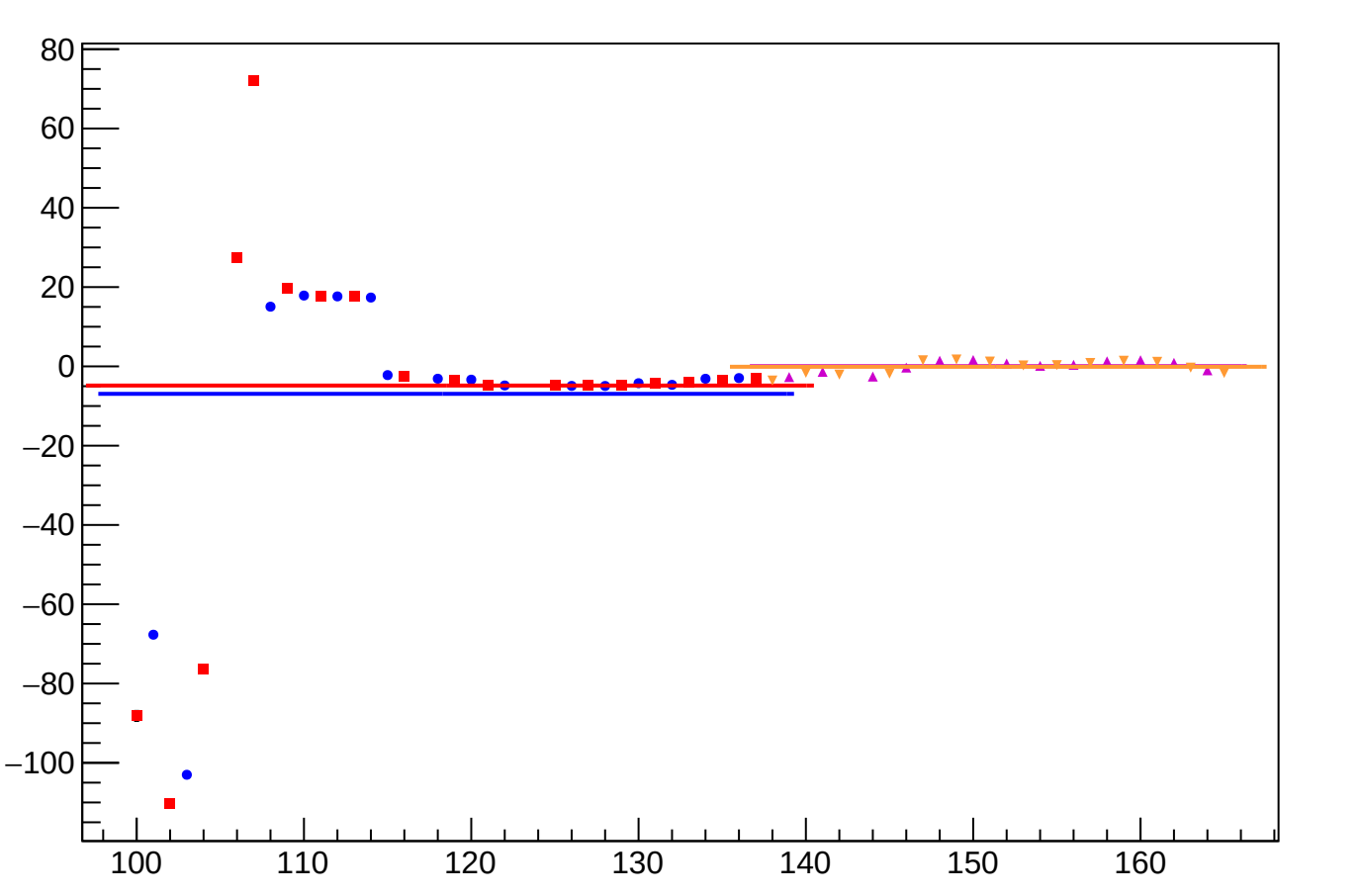
Left: -0.739+/-0.342 χ^2/NDF: 230.4/26

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.161+/-0.420 χ^2/NDF:190.7/28

Out: -0.818+/-0.418 χ^2/NDF:160.1/31

All: -0.331+/-0.296 χ^2/NDF: 353.5/60



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.095+/-0.022 χ^2/NDF:5138.6/13

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.059+/-0.022 χ^2/NDF:4216.2/12

Left: -0.018+/-0.016 χ^2/NDF: 9379.1/26

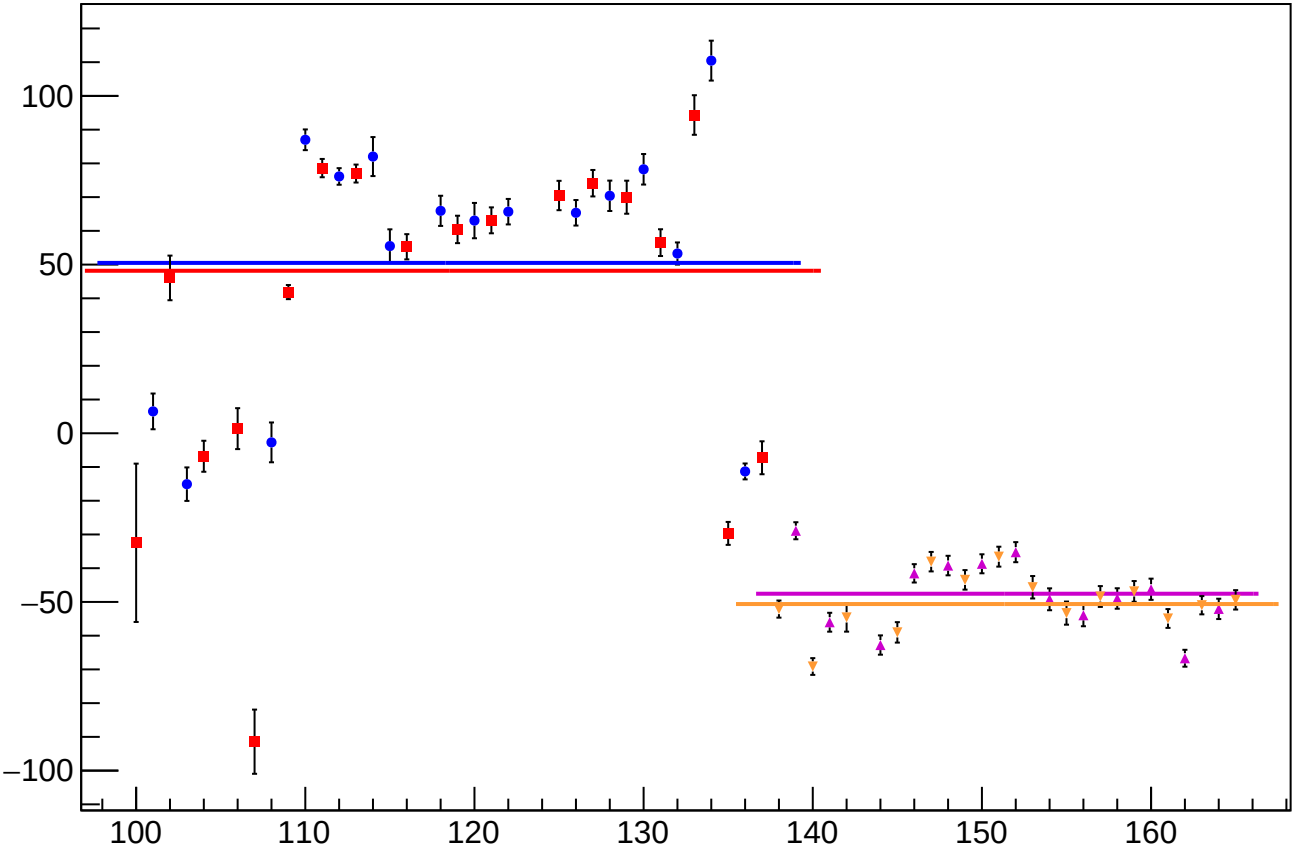
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.136+/-0.020 χ^2/NDF:286580.1/28

Out: -0.790+/-0.020 χ^2/NDF:351371.7/31

All: -0.964+/-0.014 χ^2/NDF: 638099.2/60

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: -50.623+/-0.788 χ^2/NDF:119.7/13

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.566+/-0.798 χ^2/NDF:197.4/12

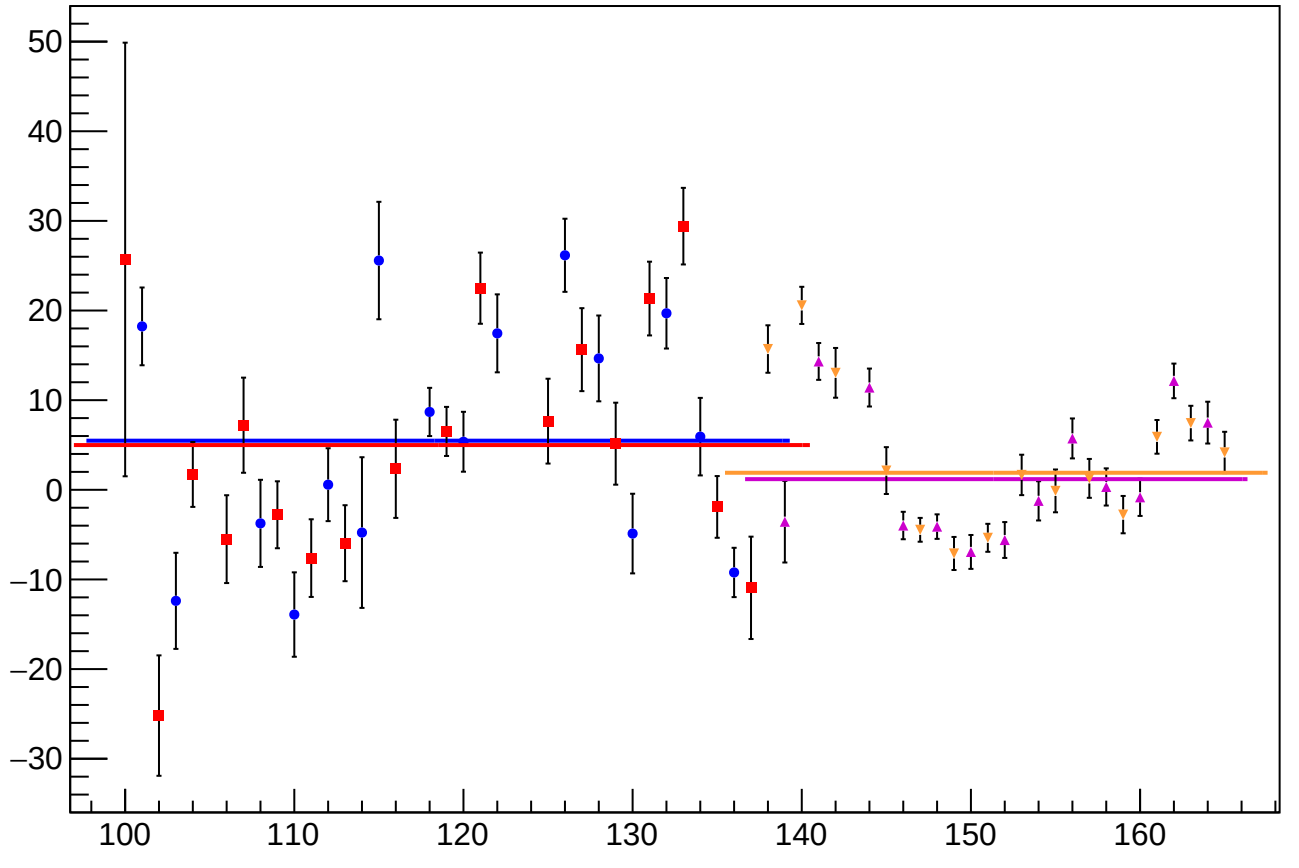
Left: -49.115+/-0.561 χ^2/NDF: 324.6/26

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -7.726+/-0.615 χ^2/NDF:7829.0/28

Out: -8.520+/-0.597 χ^2/NDF:8339.5/31

All: -8.135+/-0.428 χ^2/NDF: 16169.3/60



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.902+/-0.536 χ^2/NDF:212.5/13

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.189+/-0.548 χ^2/NDF:167.6/12

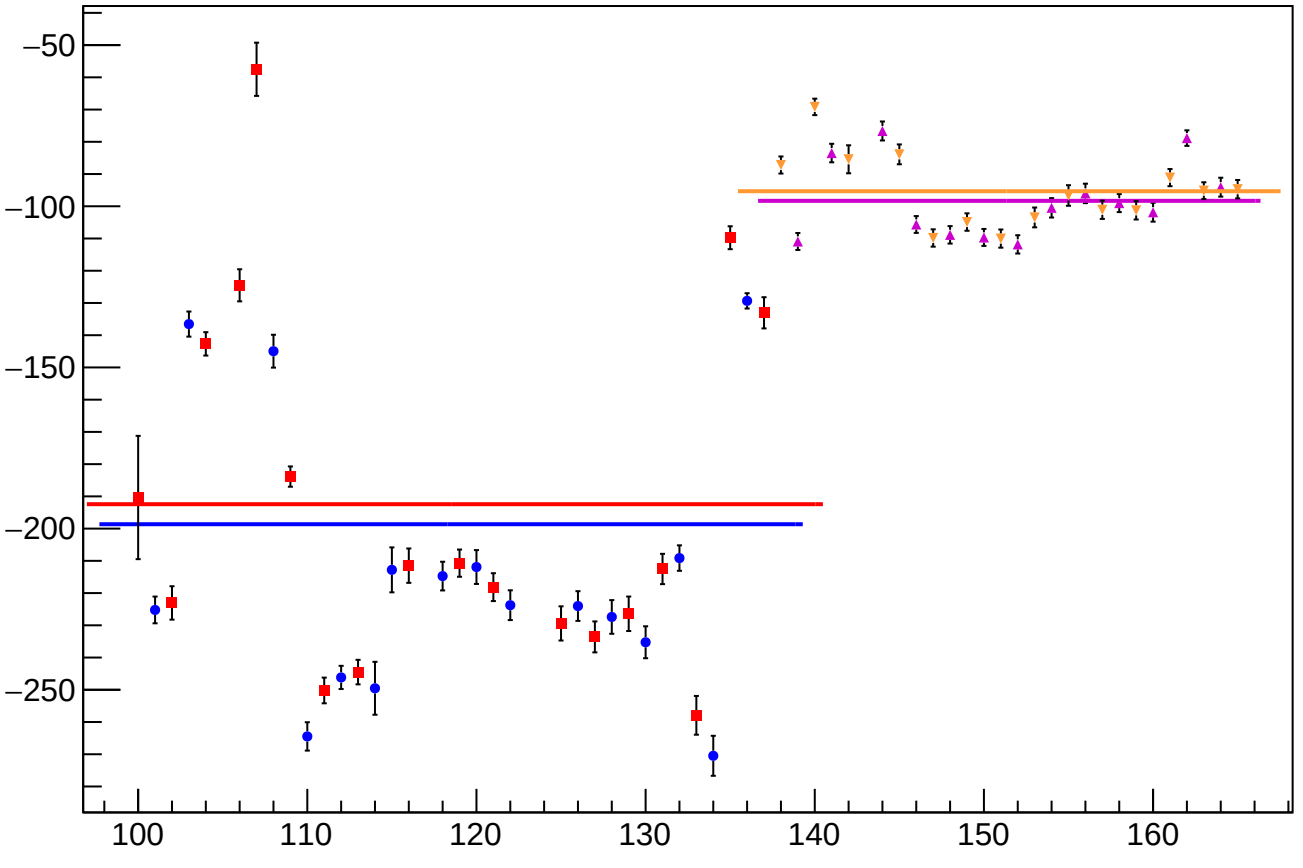
Left: 1.554+/-0.383 χ^2/NDF: 381.0/26

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

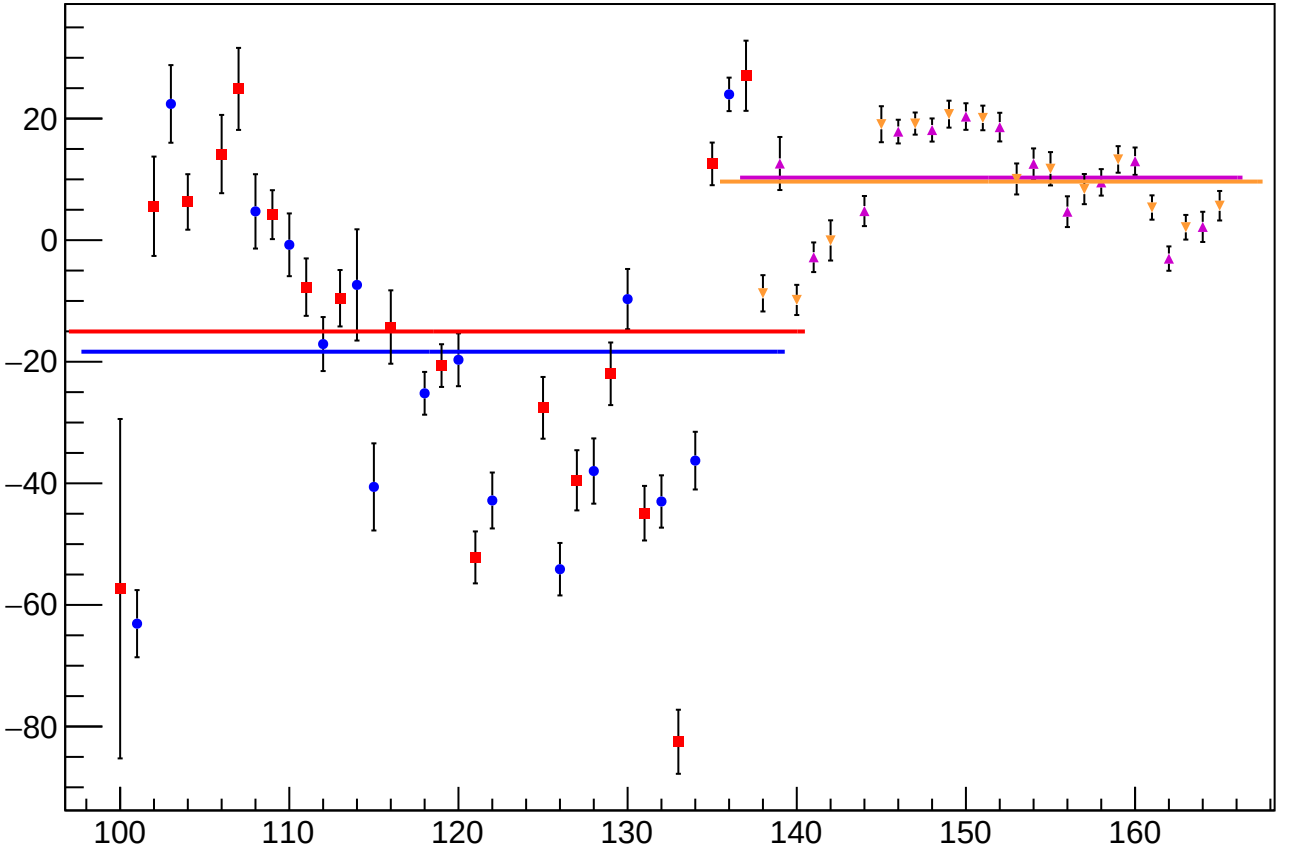
In: 2.150+/-0.483 χ^2/NDF:319.5/28

Out: 2.569+/-0.475 χ^2/NDF:351.5/31

All: 2.363+/-0.339 χ^2/NDF: 671.4/60


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
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -95.330+/-0.763 χ²/NDF:220.5/13
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -98.314+/-0.770 χ²/NDF:238.1/12
Left: -96.808+/-0.542 χ²/NDF: 466.2/26
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -131.978+/-0.628 χ²/NDF:7938.6/28
Out: -127.654+/-0.623 χ²/NDF:7754.0/31
All: -129.800+/-0.442 χ²/NDF: 15716.5/60

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: 9.636+/-0.626 χ^2/NDF:222.0/13

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 10.286+/-0.640 χ^2/NDF:161.8/12

Left: 9.954+/-0.447 χ^2/NDF: 384.3/26

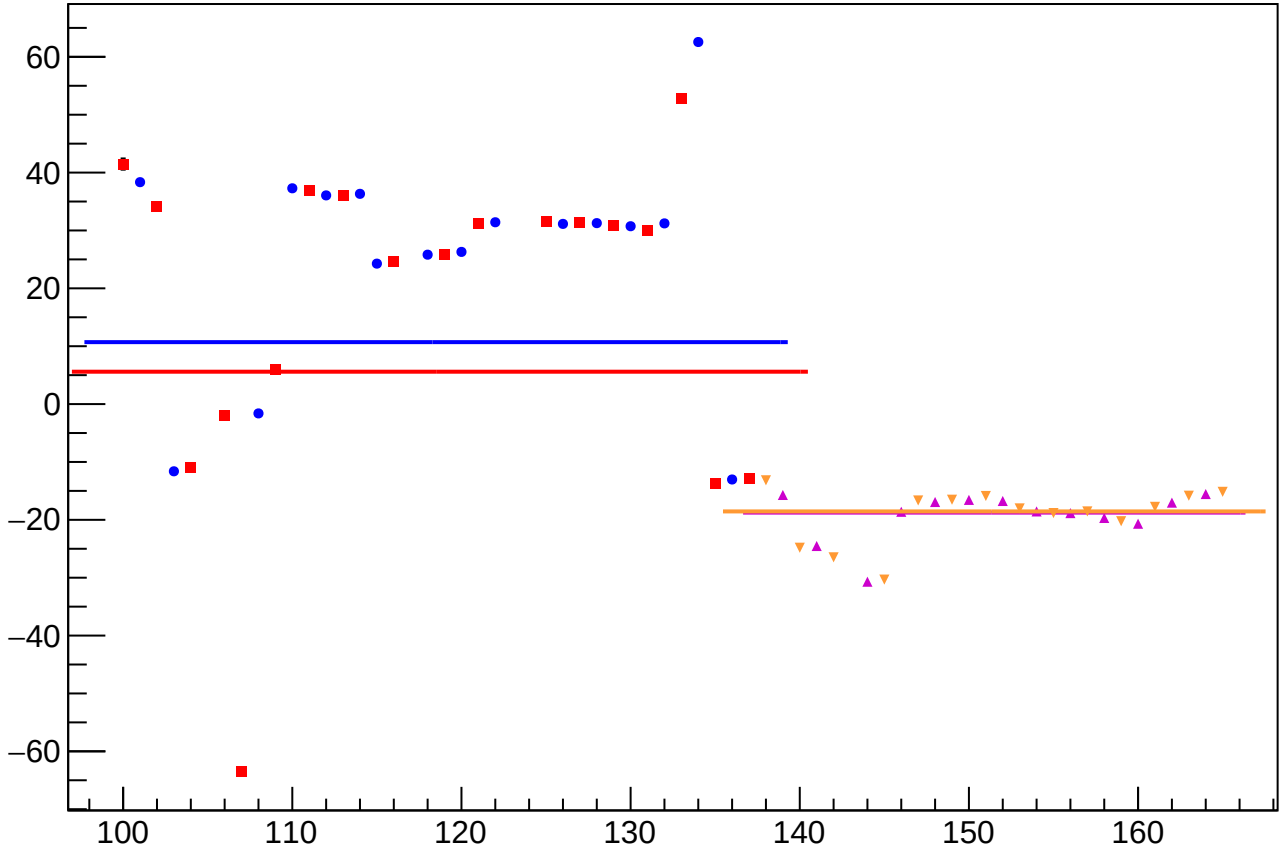
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.604+/-0.560 χ^2/NDF:1173.3/28

Out: 4.087+/-0.551 χ^2/NDF:1117.5/31

All: 3.850+/-0.393 χ^2/NDF: 2291.2/60

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: -18.547+/-0.029 χ^2/NDF:20488.7/13

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.754+/-0.029 χ^2/NDF:14414.5/12

Left: -18.650+/-0.020 χ^2/NDF: 34929.0/26

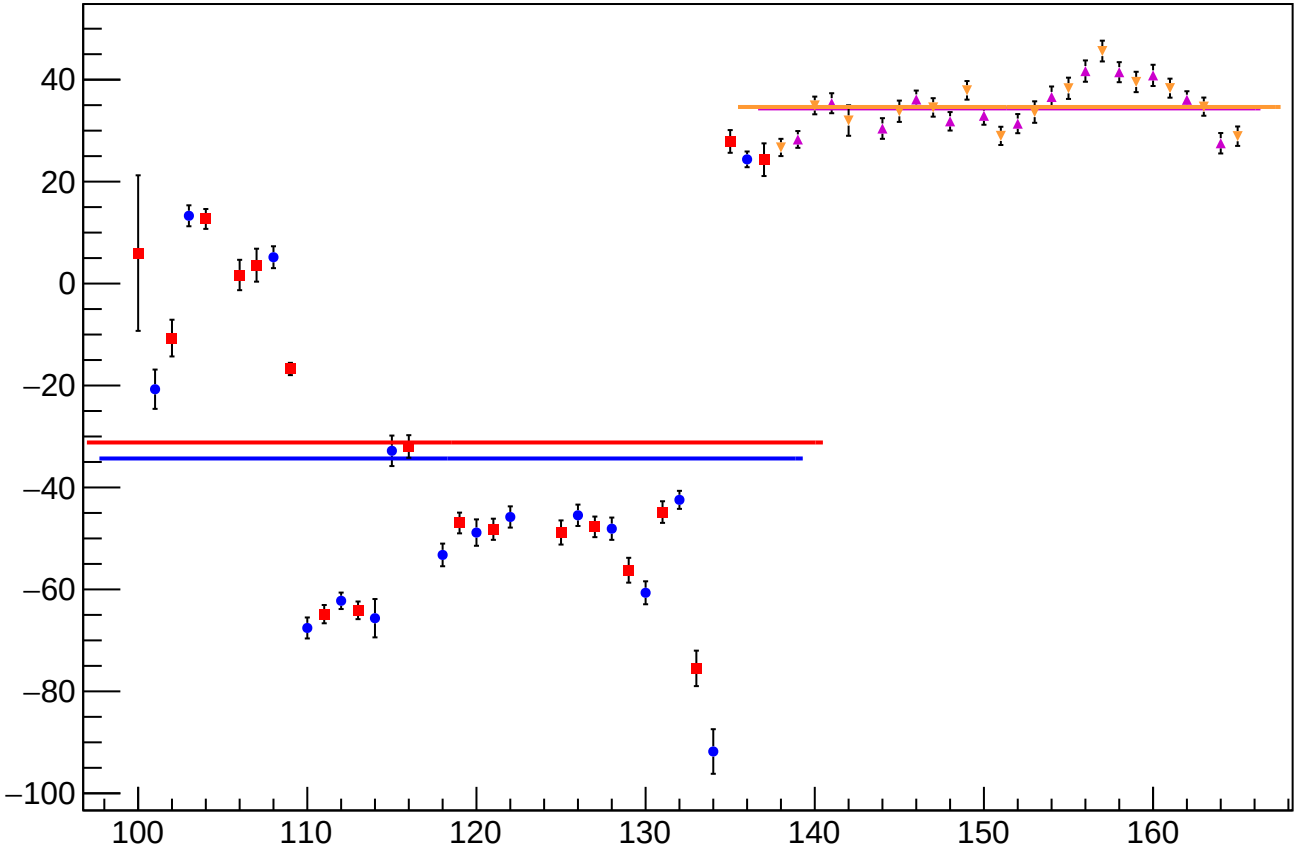
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.632+/-0.026 χ^2/NDF:360457.0/28

Out: -14.459+/-0.026 χ^2/NDF:295089.5/31

All: -14.047+/-0.019 χ^2/NDF: 656044.4/60

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: 34.643+/-0.516 χ^2/NDF:87.6/13

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.362+/-0.522 χ^2/NDF:72.7/12

Left: 34.504+/-0.367 χ^2/NDF: 160.4/26

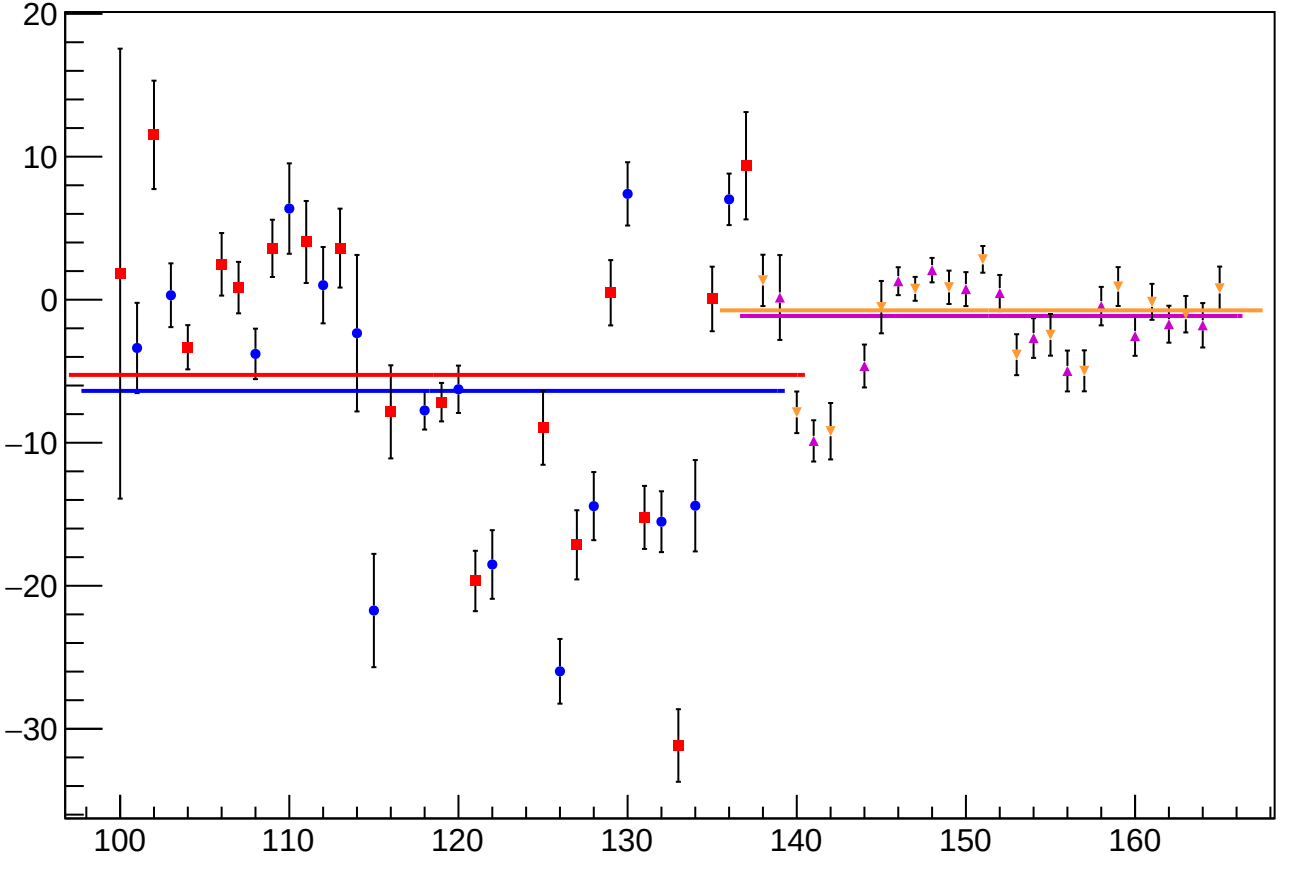
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 1.688+/-0.378 χ^2/NDF:11813.1/28

Out: 1.747+/-0.365 χ^2/NDF:11434.4/31

All: 1.718+/-0.262 χ^2/NDF: 23247.6/60

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.744+/-0.347 χ^2/NDF:81.0/13

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.137+/-0.356 χ^2/NDF:76.8/12

Left: -0.935+/-0.248 χ^2/NDF: 158.5/26

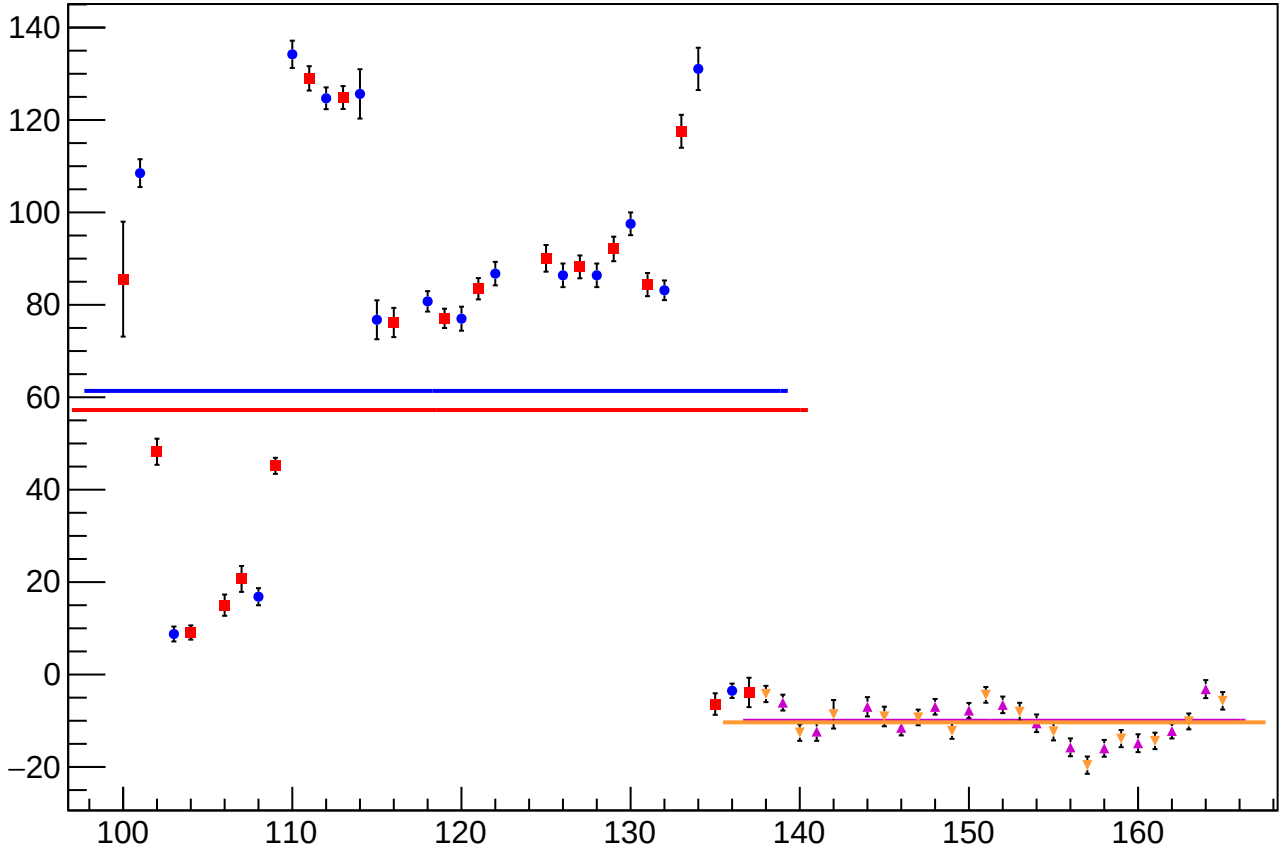
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.670+/-0.299 χ^2/NDF:423.7/28

Out: -2.087+/-0.290 χ^2/NDF:444.4/31

All: -2.369+/-0.208 χ^2/NDF: 870.1/60

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: -10.340+/-0.498 χ^2/NDF:69.7/13

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.002+/-0.502 χ^2/NDF:58.5/12

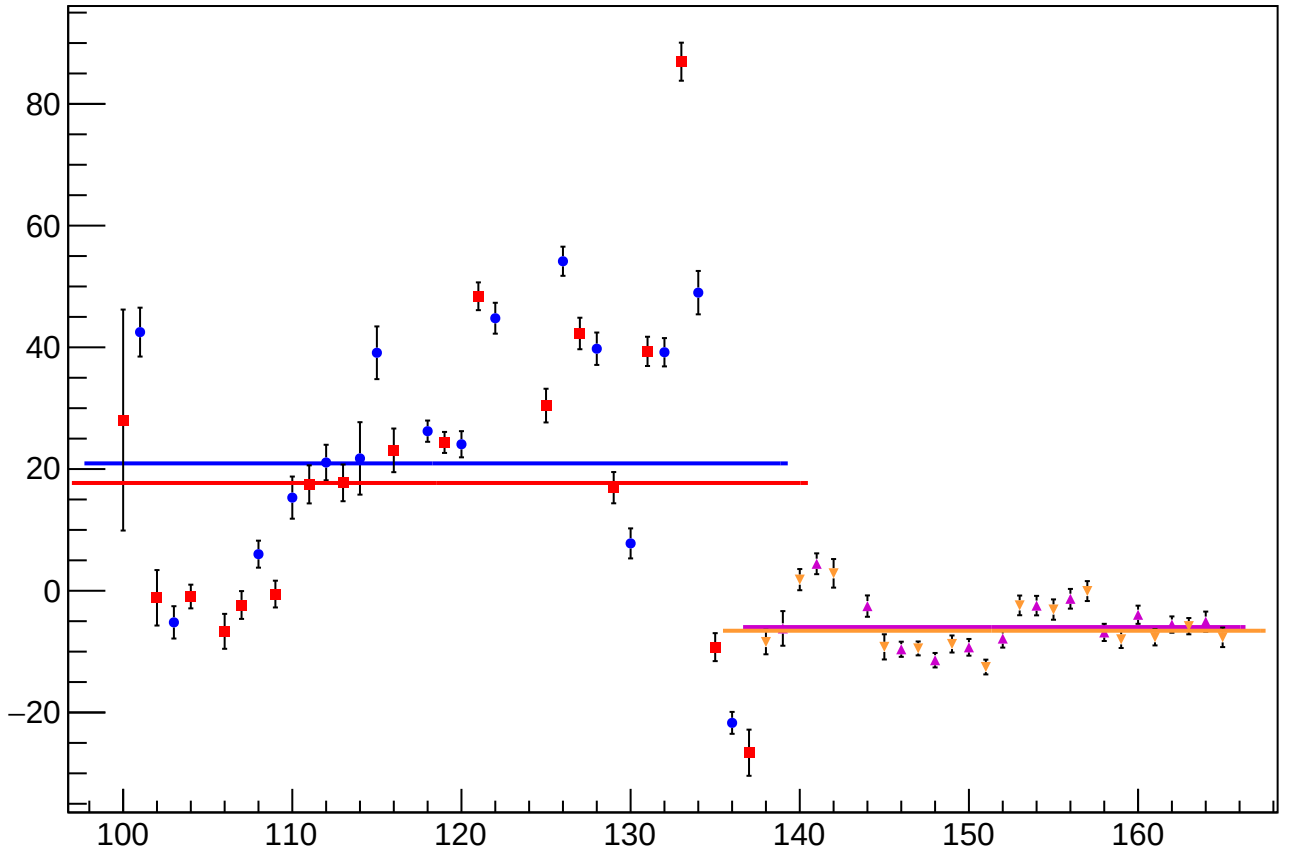
Left: -10.173+/-0.353 χ^2/NDF: 128.4/26

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

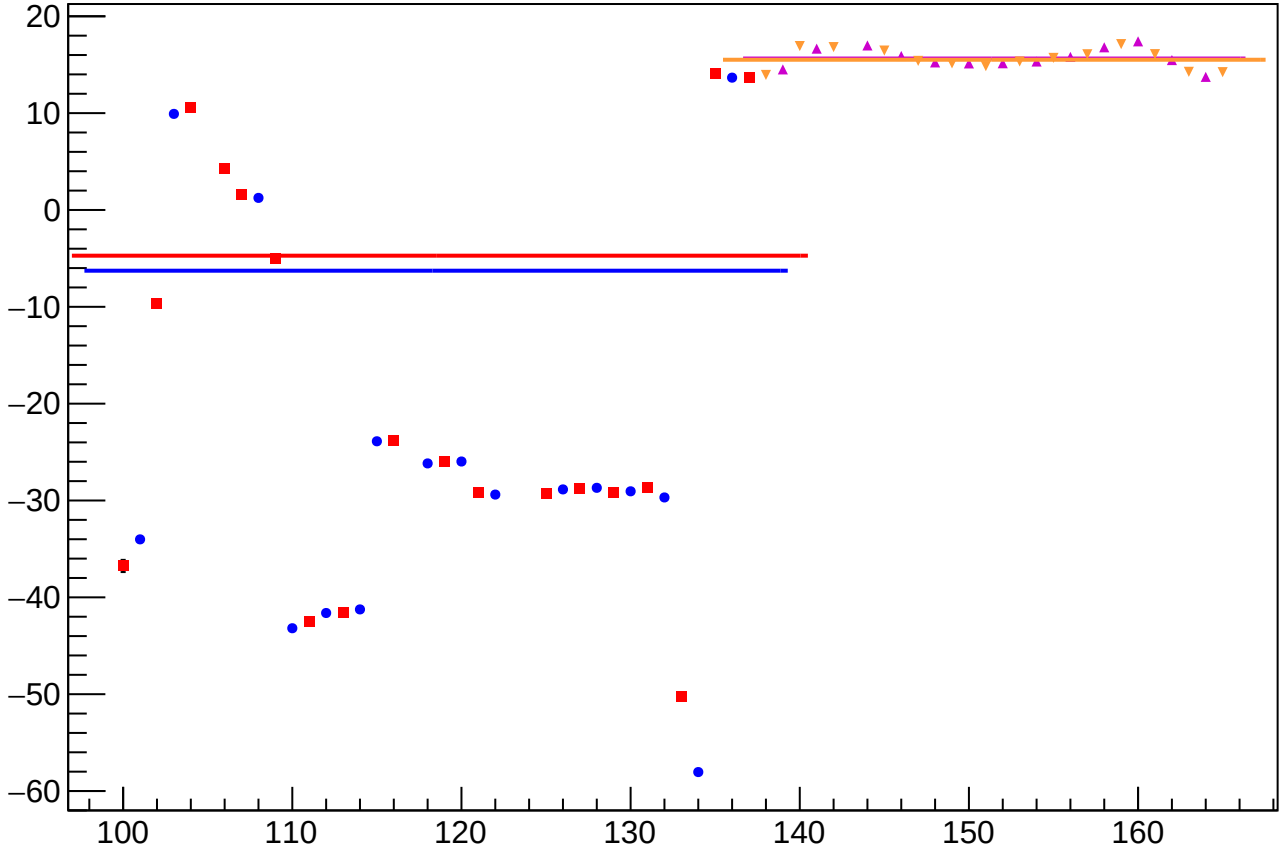
In: 19.726+/-0.384 χ^2/NDF:14542.5/28

Out: 18.303+/-0.378 χ^2/NDF:13154.2/31

All: 19.004+/-0.269 χ^2/NDF: 27703.7/60


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -6.569+/-0.406 χ²/NDF:104.1/13
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -5.964+/-0.416 χ²/NDF:93.6/12
Left: -6.274+/-0.291 χ²/NDF: 198.7/26
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 2.031+/-0.349 χ²/NDF:2579.4/28
Out: 0.756+/-0.340 χ²/NDF:2663.5/31
All: 1.376+/-0.243 χ²/NDF: 5249.8/60

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: 15.512+/-0.019 χ^2/NDF:2748.6/13

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.638+/-0.019 χ^2/NDF:2555.2/12

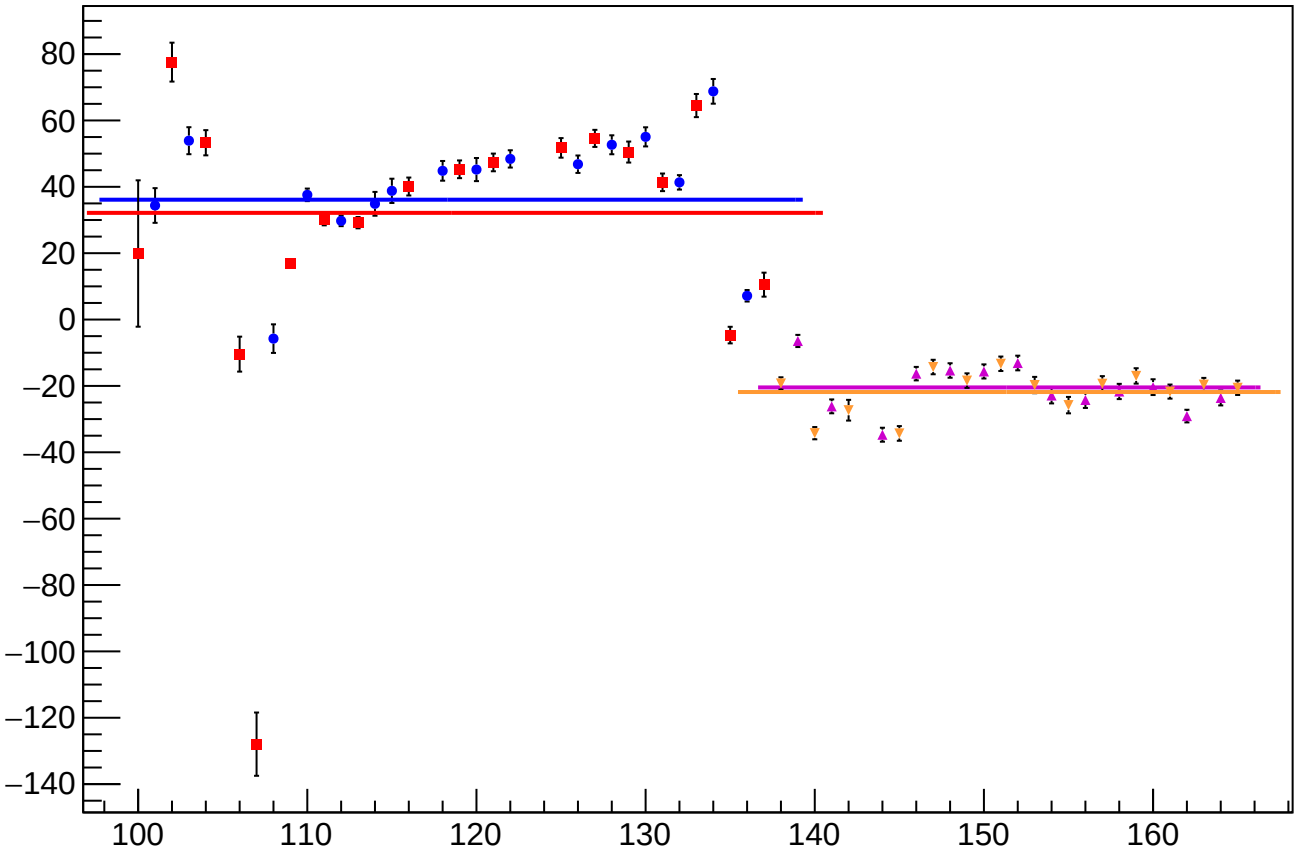
Left: 15.575+/-0.013 χ^2/NDF: 5326.4/26

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

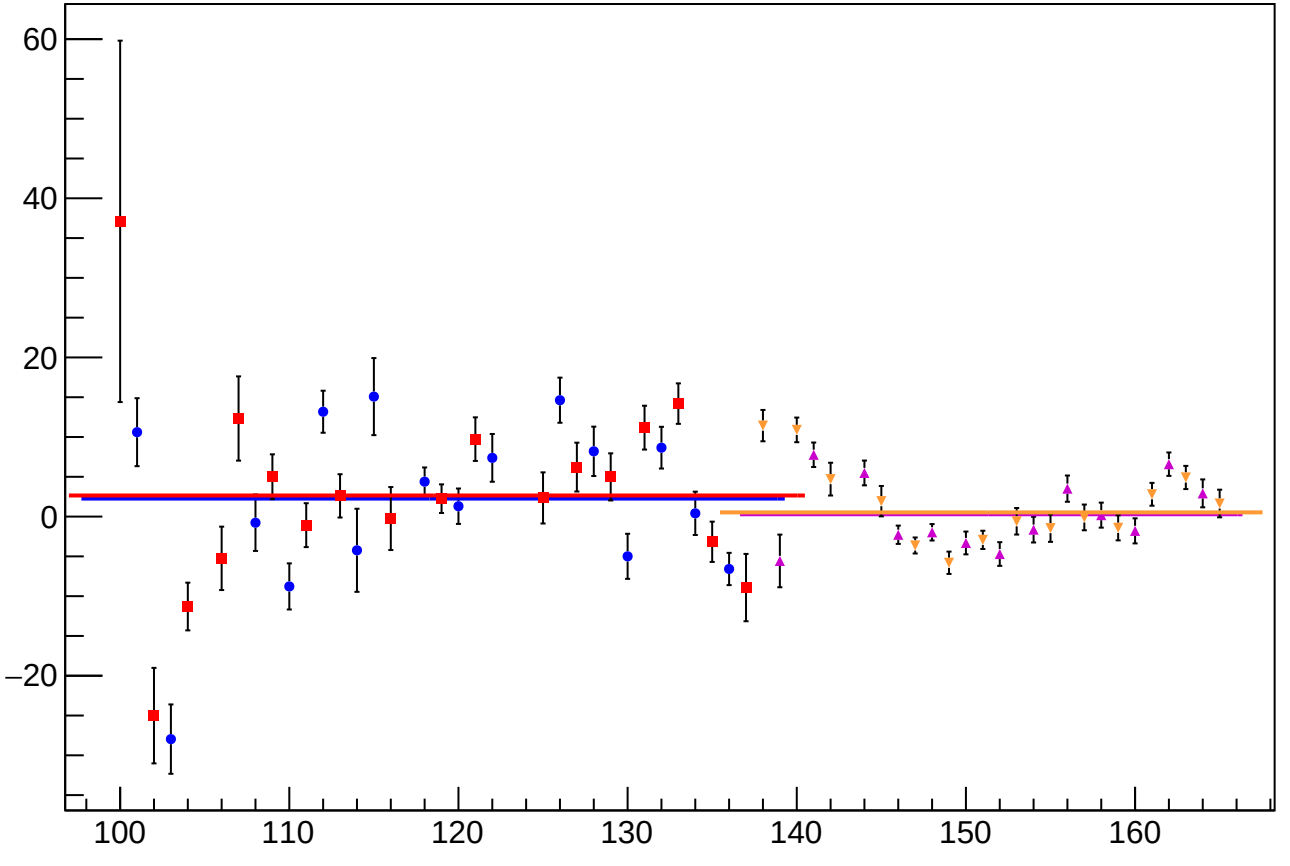
In: 10.379+/-0.016 χ^2/NDF:739709.0/28

Out: 10.749+/-0.016 χ^2/NDF:585175.9/31

All: 10.565+/-0.012 χ^2/NDF: 1325140.3/60


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
Right In: 36.118+/-0.656 χ²/NDF: 622.8/15
Left Out: -21.838+/-0.588 χ²/NDF:121.6/13
Right Out: 32.150+/-0.631 χ²/NDF: 1114.6/17
Left In: -20.453+/-0.597 χ²/NDF:163.5/12
Left: -21.155+/-0.419 χ²/NDF: 287.9/26
Right: 34.055+/-0.455 χ²/NDF: 1756.4/33
In: 5.141+/-0.442 χ²/NDF:4853.2/28
Out: 3.271+/-0.430 χ²/NDF:5156.7/31
All: 4.182+/-0.308 χ²/NDF: 10019.1/60

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: 0.528+/-0.401 χ^2/NDF:142.2/13

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.291+/-0.412 χ^2/NDF:92.8/12

Left: 0.413+/-0.287 χ^2/NDF: 235.2/26

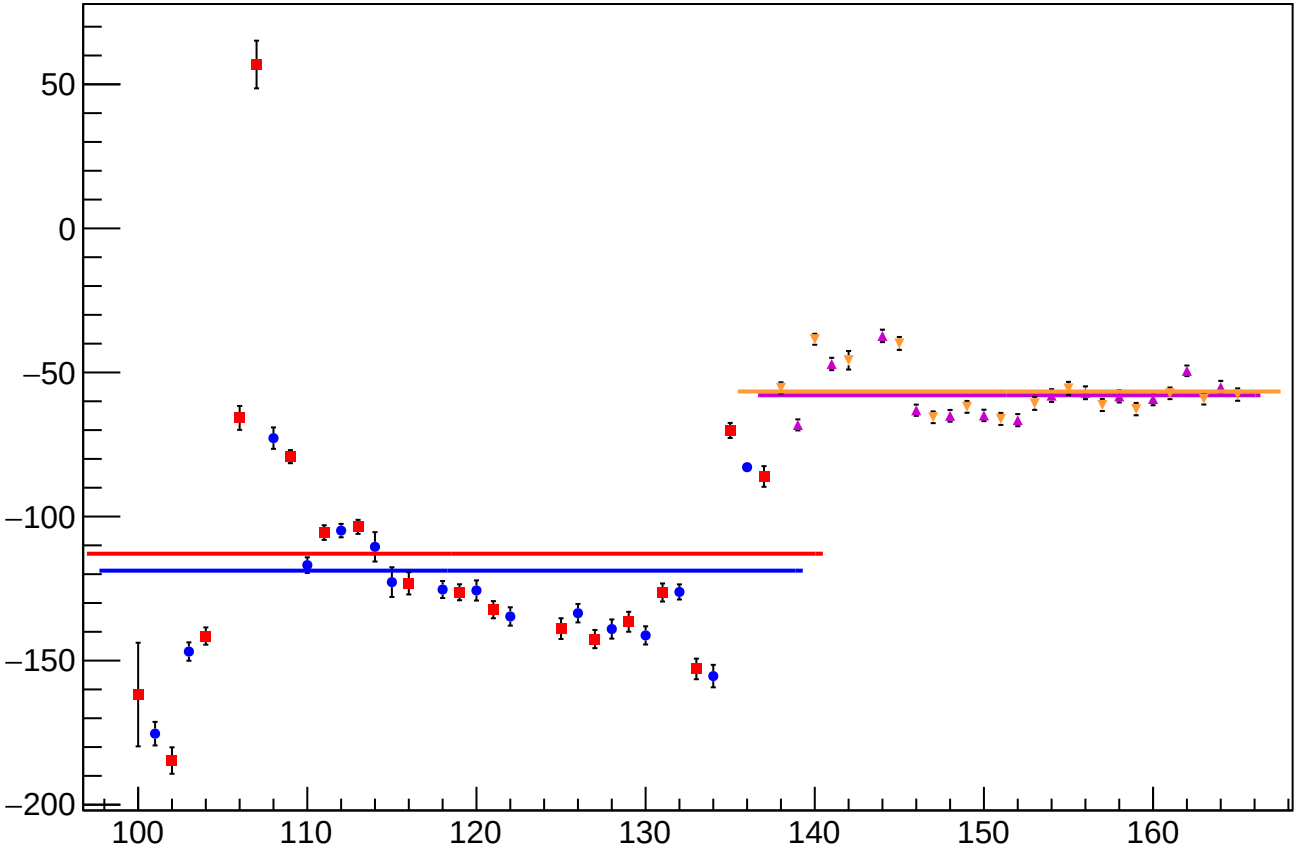
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.797+/-0.355 χ^2/NDF:250.7/28

Out: 1.036+/-0.350 χ^2/NDF:256.1/31

All: 0.918+/-0.249 χ^2/NDF: 507.0/60

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.598+/-0.569 χ^2/NDF:222.7/13

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.894+/-0.576 χ^2/NDF:216.8/12

Left: -57.239+/-0.405 χ^2/NDF: 442.1/26

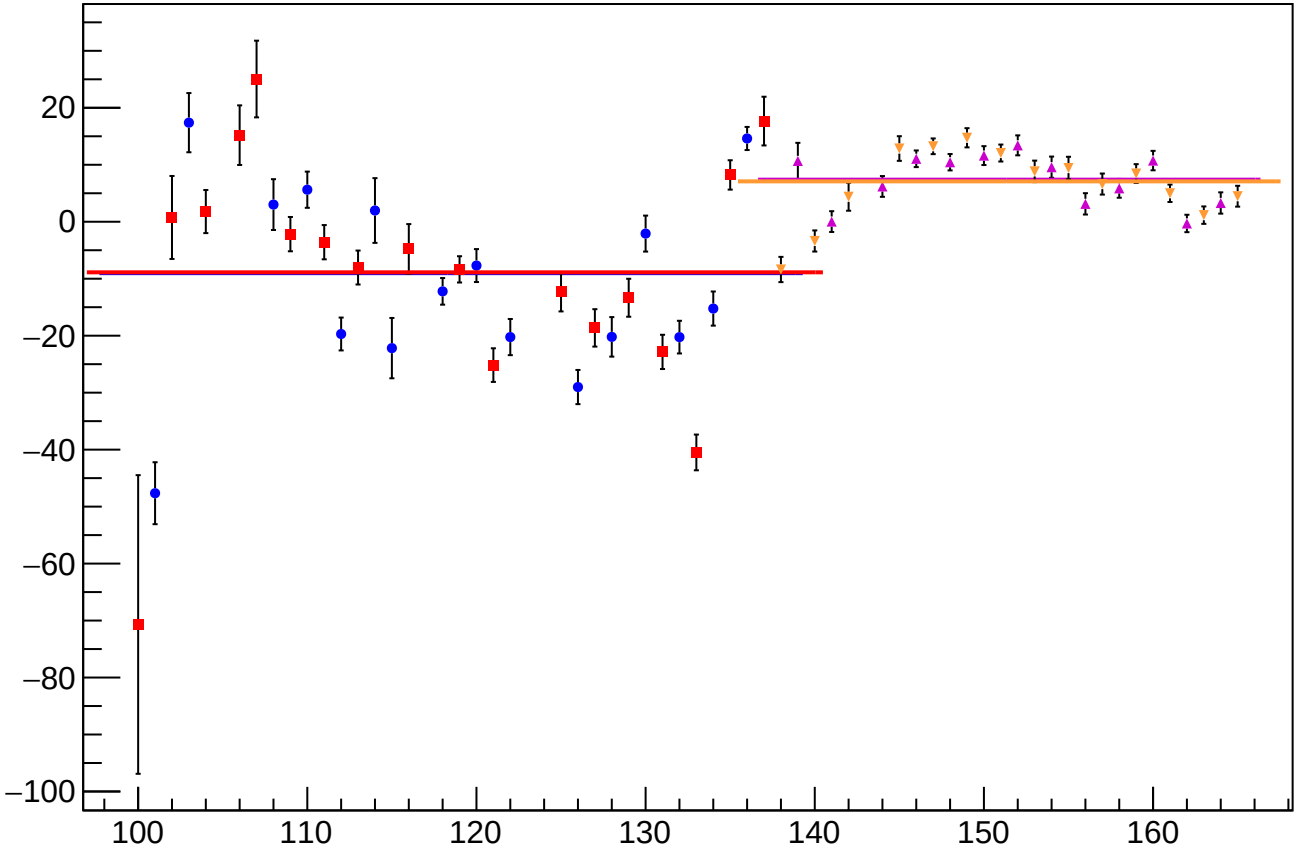
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -80.211+/-0.458 χ^2/NDF:5435.8/28

Out: -76.810+/-0.456 χ^2/NDF:5594.4/31

All: -78.502+/-0.323 χ^2/NDF: 11057.9/60

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: 7.088+/-0.468 χ^2/NDF:162.7/13

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.387+/-0.480 χ^2/NDF:88.3/12

Left: 7.234+/-0.335 χ^2/NDF: 251.2/26

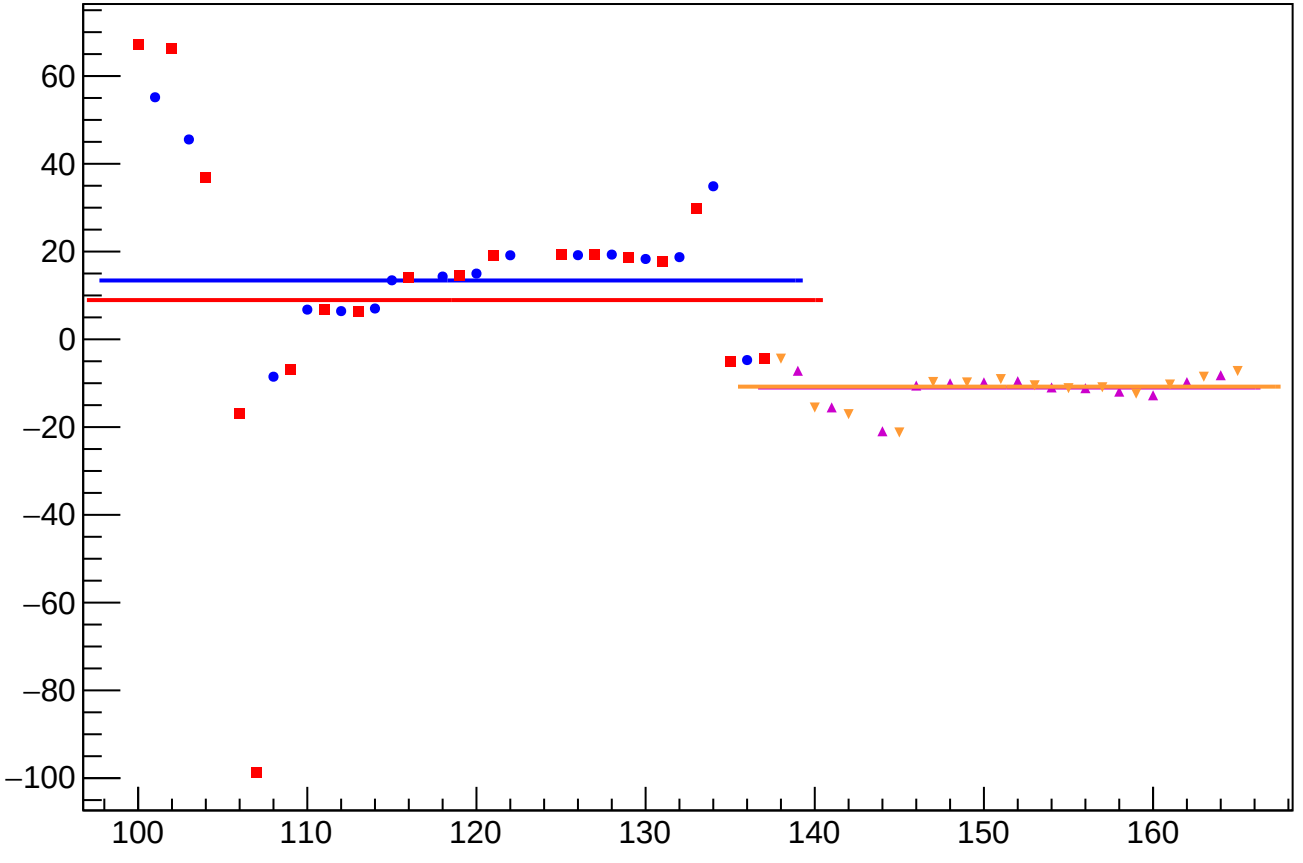
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 3.012+/-0.411 χ^2/NDF:758.2/28

Out: 3.090+/-0.406 χ^2/NDF:772.4/31

All: 3.051+/-0.289 χ^2/NDF: 1530.6/60

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: -10.783+/-0.021 χ^2/NDF:30389.1/13

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.988+/-0.022 χ^2/NDF:19260.0/12

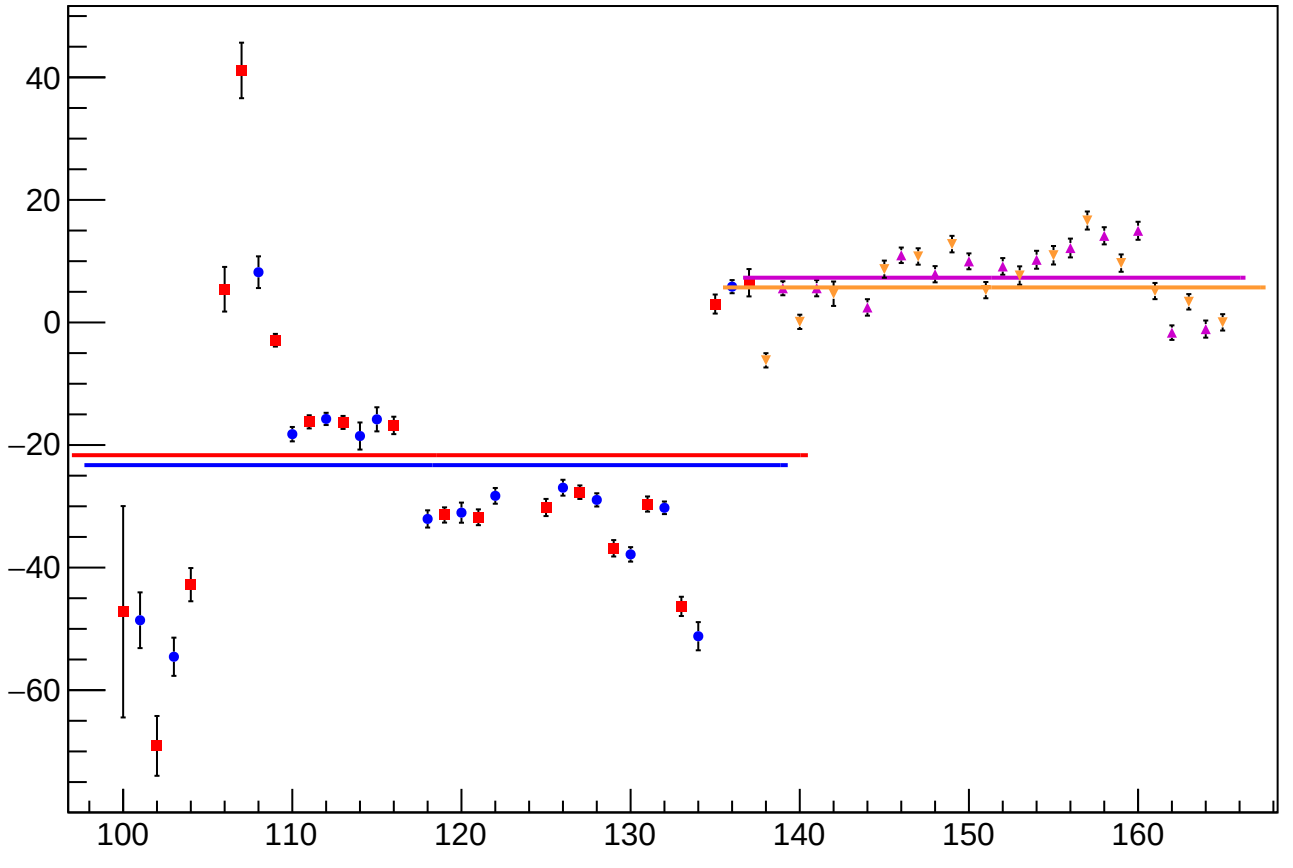
Left: -10.884+/-0.015 χ^2/NDF: 49694.6/26

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.476+/-0.019 χ^2/NDF:439627.8/28

Out: -7.436+/-0.020 χ^2/NDF:465320.0/31

All: -6.955+/-0.014 χ^2/NDF: 906160.0/60



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.719+/-0.365 χ^2/NDF:272.1/13

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.304+/-0.370 χ^2/NDF:189.6/12

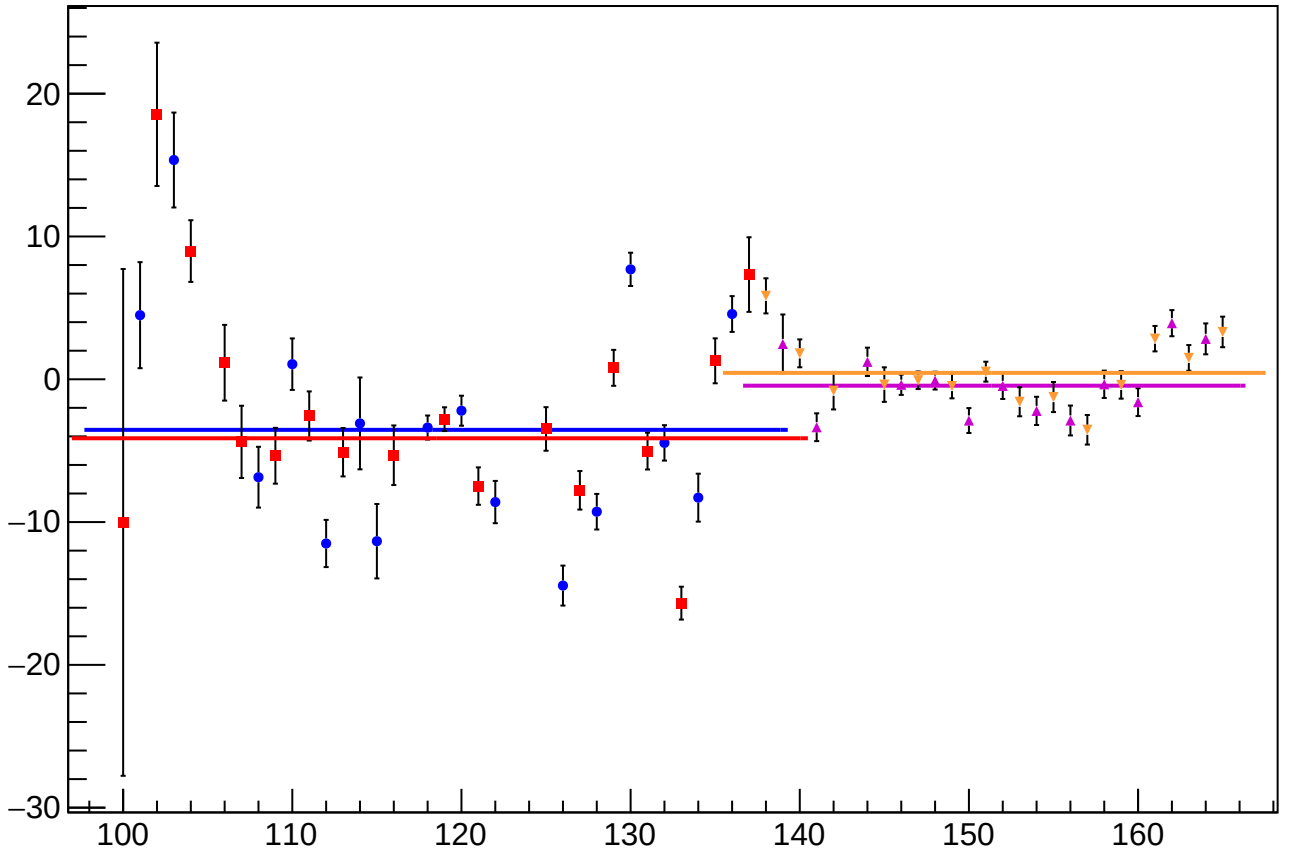
Left: 6.500+/-0.260 χ^2/NDF: 471.0/26

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.817+/-0.254 χ^2/NDF:5360.6/28

Out: -8.642+/-0.252 χ^2/NDF:5040.2/31

All: -8.728+/-0.179 χ^2/NDF: 10401.0/60



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.448+/-0.248 χ^2/NDF:62.4/13

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.449+/-0.254 χ^2/NDF:64.1/12

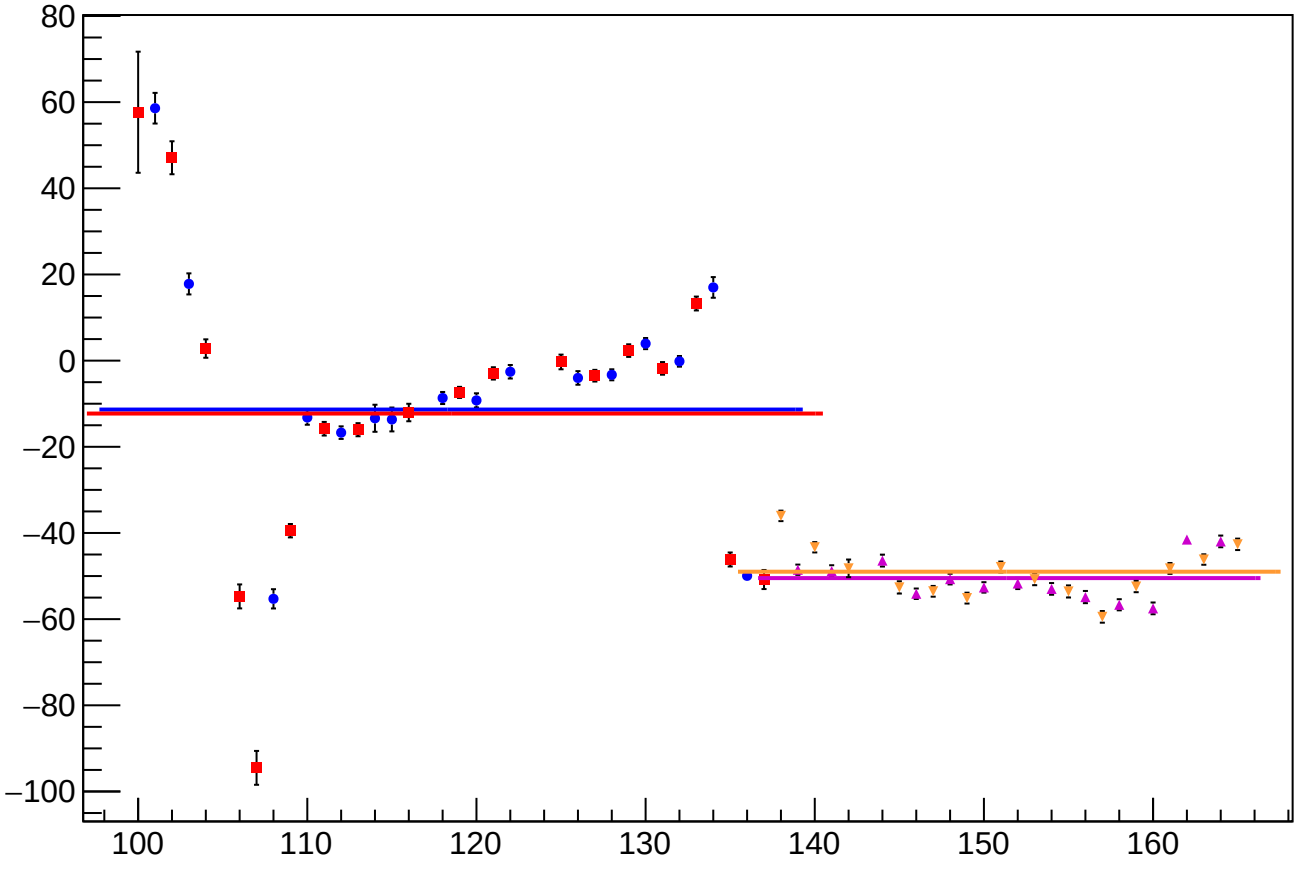
Left: 0.011+/-0.177 χ^2/NDF: 132.8/26

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.468+/-0.208 χ^2/NDF:429.6/28

Out: -0.967+/-0.206 χ^2/NDF:395.3/31

All: -1.215+/-0.146 χ^2/NDF: 827.8/60


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
80
60
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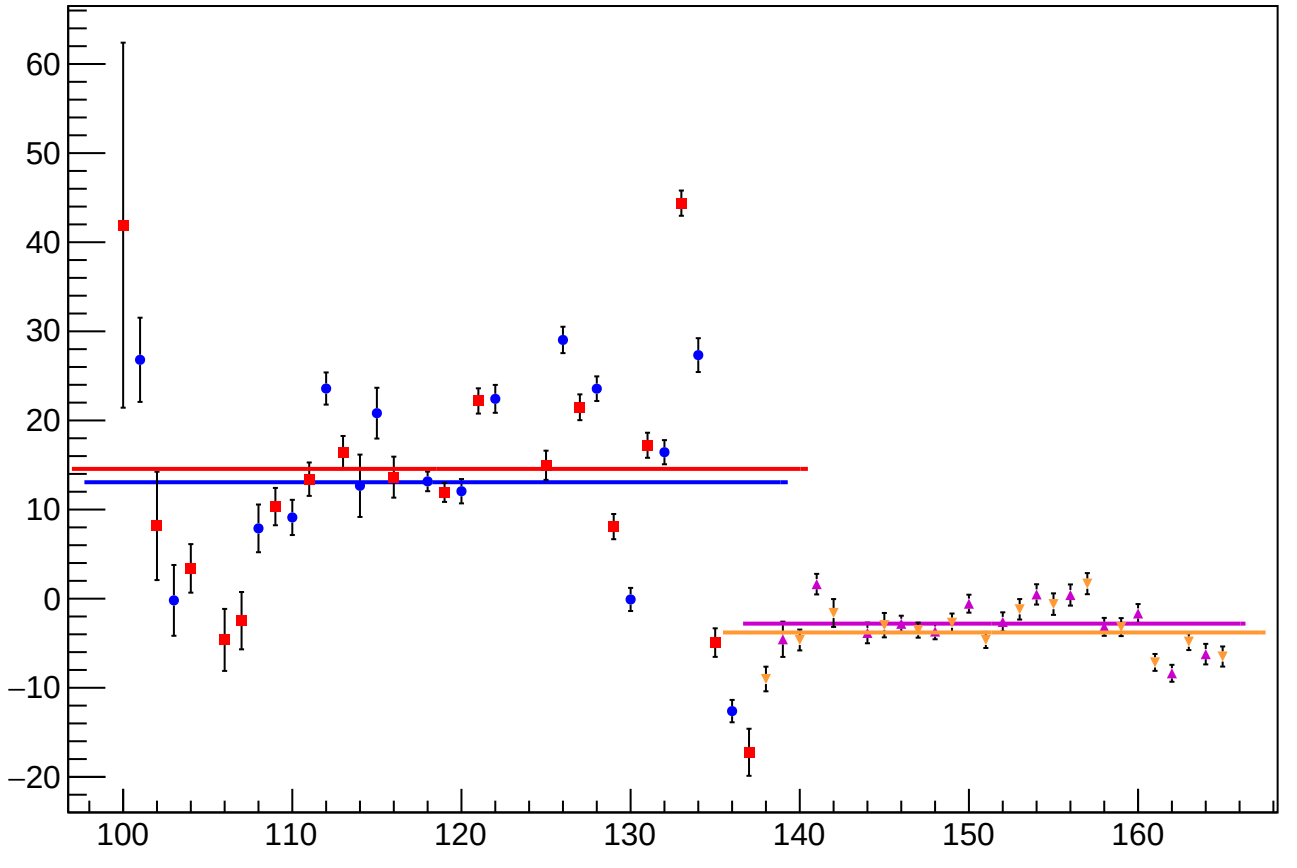
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -11.355+/-0.406 χ²/NDF: 2661.6/15
Left Out: -48.989+/-0.353 χ²/NDF:287.7/13
Right Out: -12.281+/-0.413 χ²/NDF: 2590.4/17
Left In: -50.475+/-0.357 χ²/NDF:189.1/12
Left: -49.725+/-0.251 χ²/NDF: 485.5/26
Right: -11.809+/-0.289 χ²/NDF: 5254.6/33
In: -33.423+/-0.268 χ²/NDF:8096.5/28
Out: -33.498+/-0.268 χ²/NDF:7440.8/31
All: -33.460+/-0.190 χ²/NDF: 15537.3/60



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.795+/-0.290 χ^2/NDF:72.5/13

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.801+/-0.297 χ^2/NDF:82.6/12

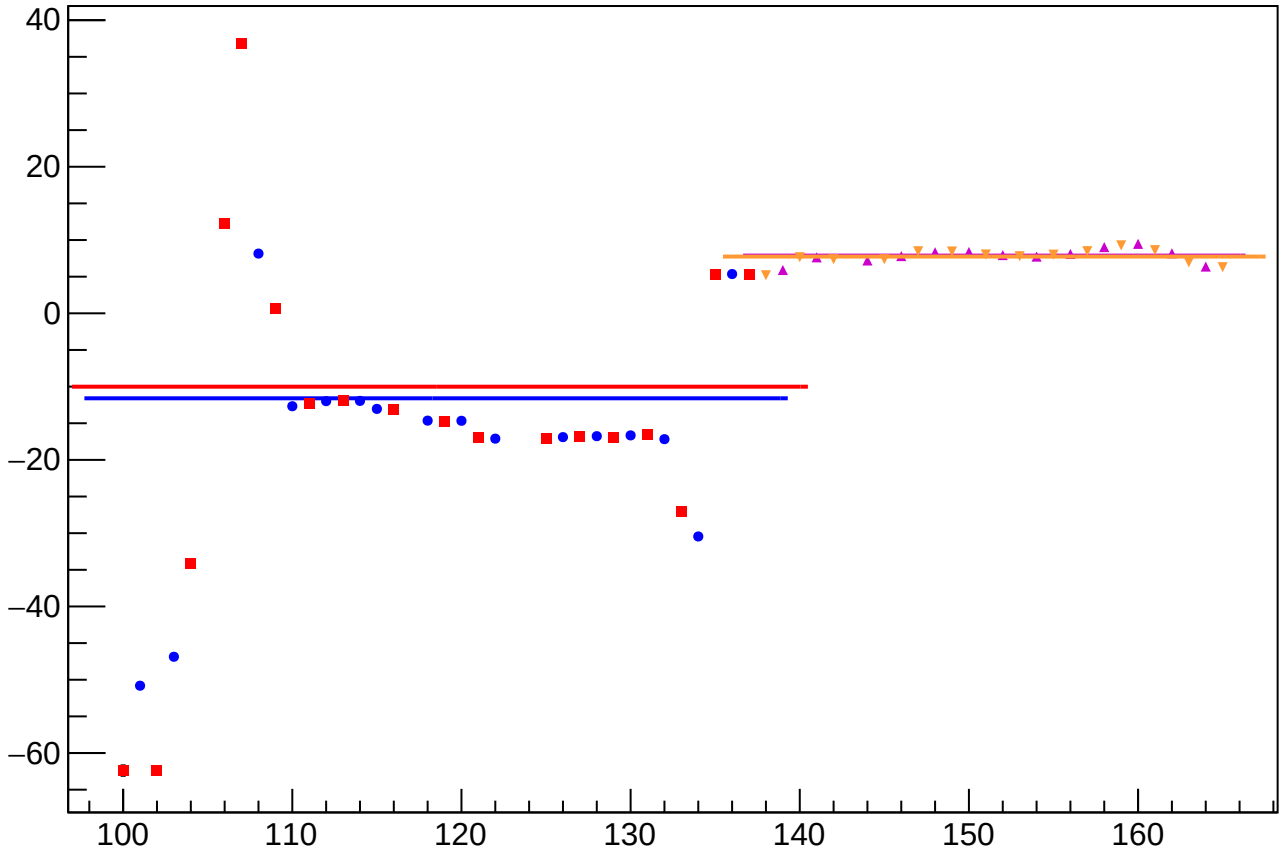
Left: -3.310+/-0.207 χ^2/NDF: 160.8/26

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 2.569+/-0.241 χ^2/NDF:1914.3/28

Out: 2.075+/-0.239 χ^2/NDF:2259.9/31

All: 2.320+/-0.170 χ^2/NDF: 4176.3/60



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.744+/-0.013 χ^2/NDF:6271.9/13

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.876+/-0.013 χ^2/NDF:5138.4/12

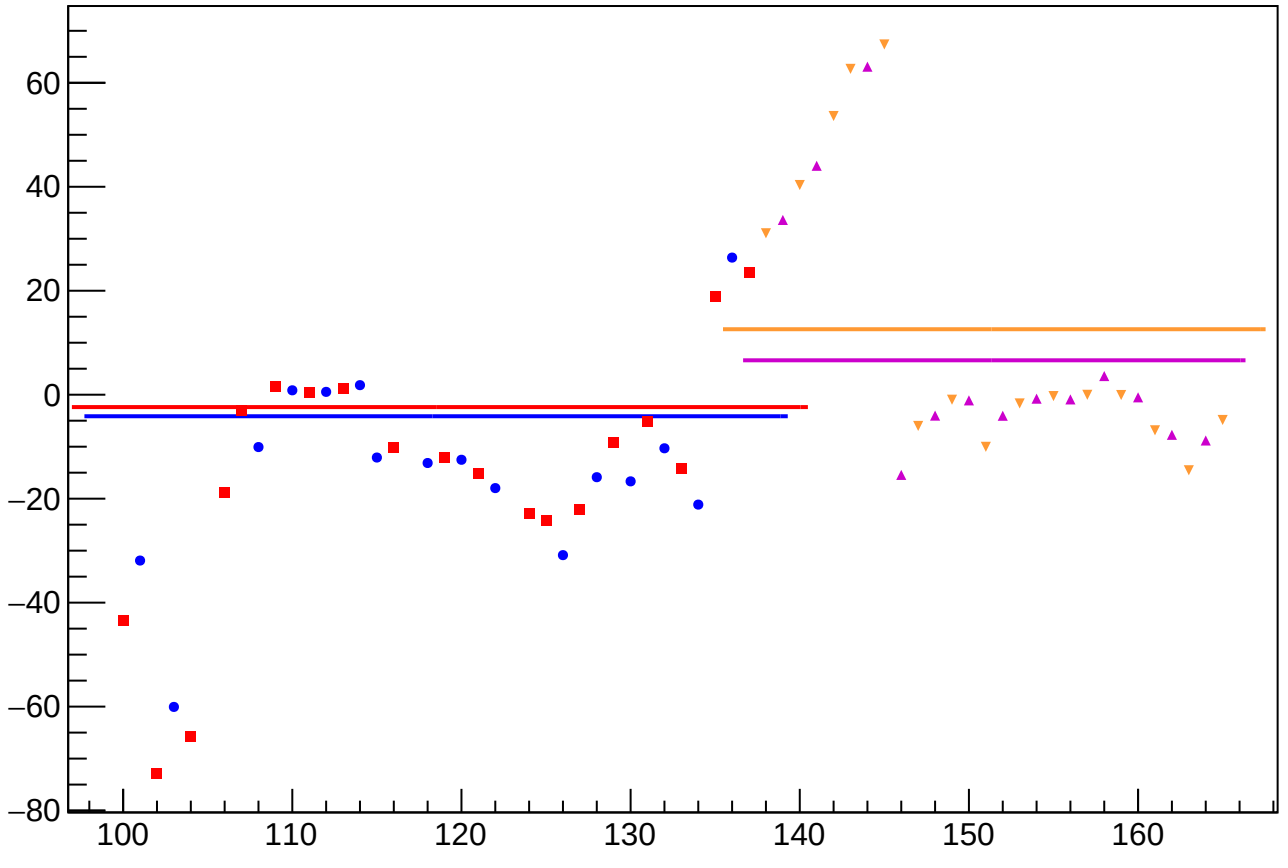
Left: 7.810+/-0.009 χ^2/NDF: 11459.5/26

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.885+/-0.012 χ^2/NDF:801146.8/28

Out: 4.375+/-0.012 χ^2/NDF:741698.5/31

All: 4.129+/-0.008 χ^2/NDF: 1543688.0/60



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 12.594+/-0.067 χ^2/NDF:137442.2/14

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 6.617+/-0.059 χ^2/NDF:114731.5/12

Left: 9.228+/-0.044 χ^2/NDF: 256659.2/27

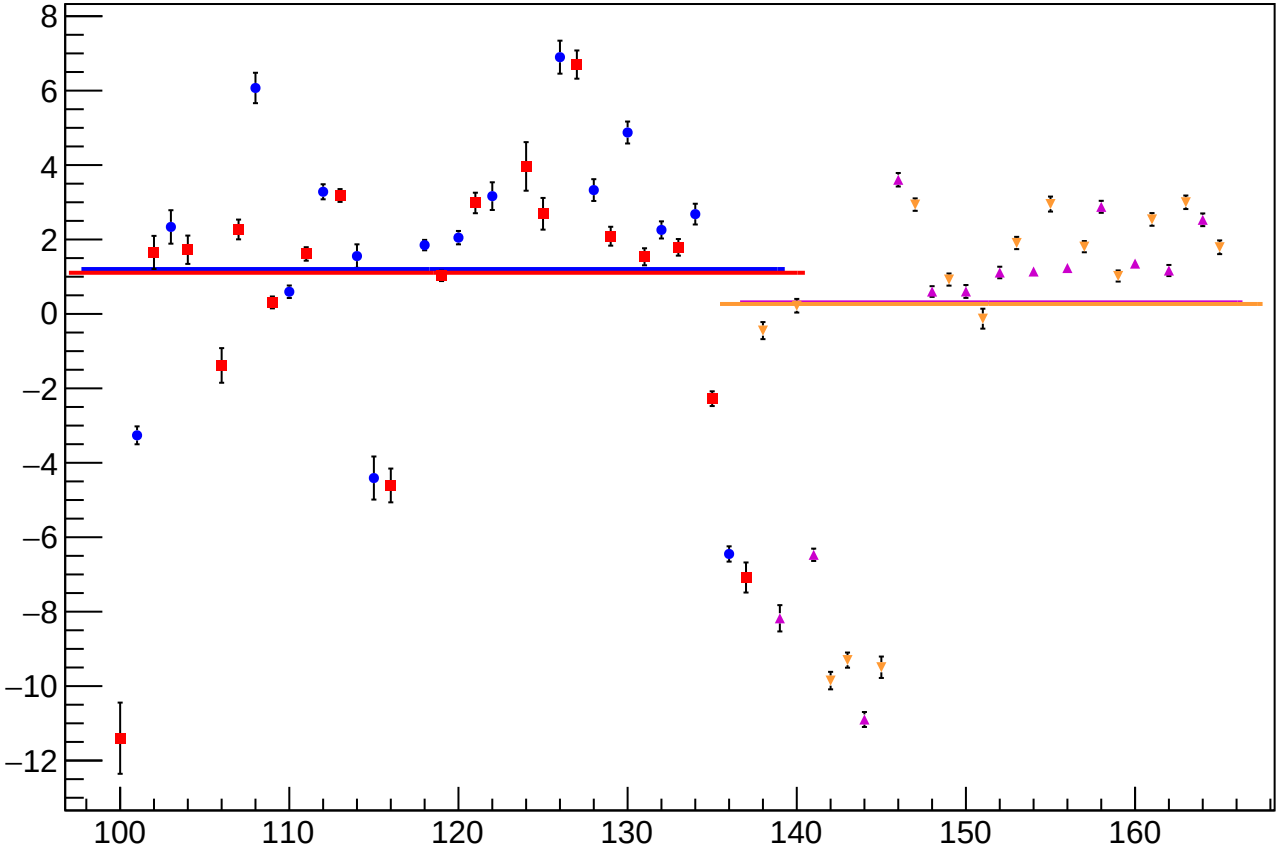
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.829+/-0.040 χ^2/NDF:207897.3/28

Out: 2.438+/-0.038 χ^2/NDF:252104.1/33

All: 1.677+/-0.028 χ^2/NDF: 460850.0/62

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.268+/-0.048 χ^2/NDF:6377.9/14

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.311+/-0.041 χ^2/NDF:6380.0/12

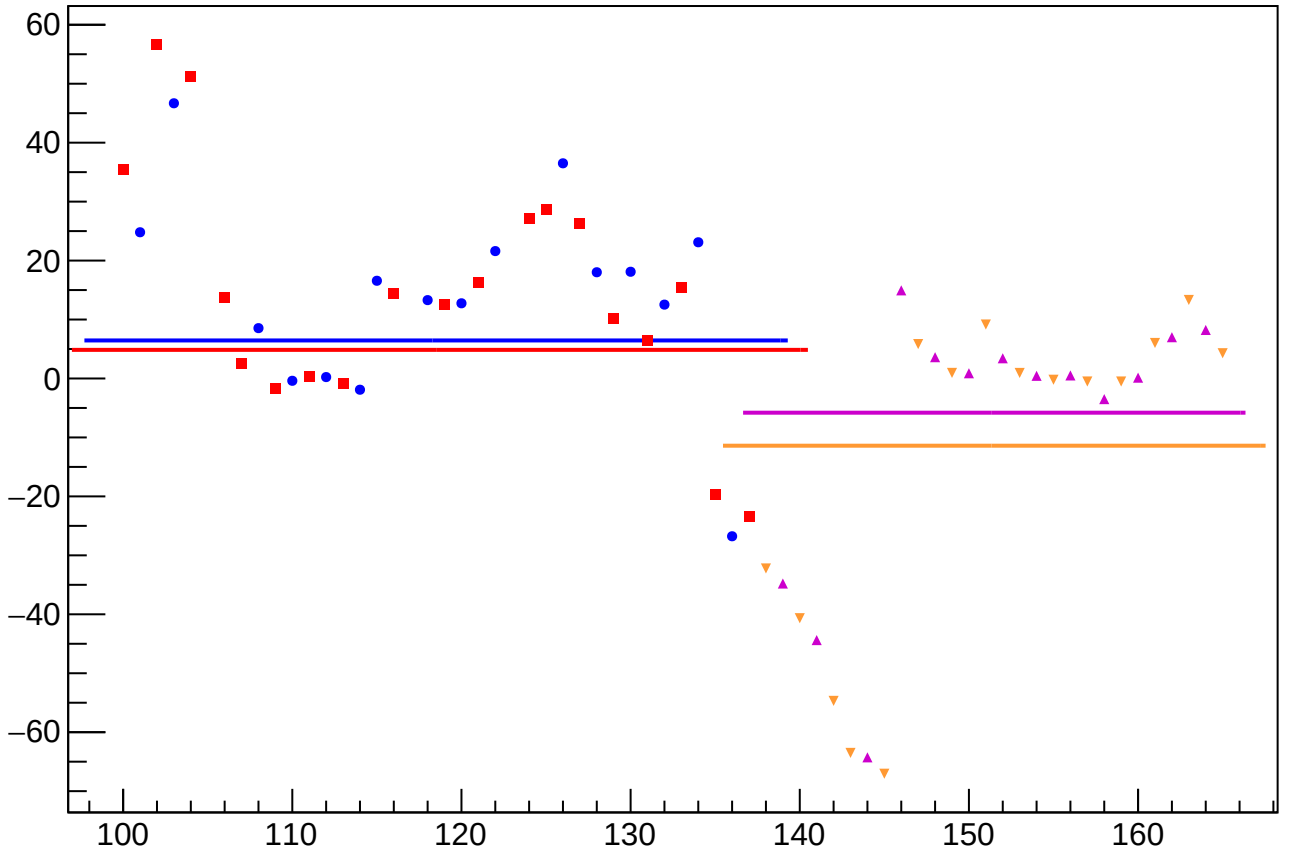
Left: 0.292+/-0.031 χ^2/NDF: 12758.3/27

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.597+/-0.034 χ^2/NDF:9113.6/28

Out: 0.614+/-0.037 χ^2/NDF:8091.1/33

All: 0.605+/-0.025 χ^2/NDF: 17204.8/62



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -11.402+/-0.065 χ^2/NDF:135654.7/14

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -5.802+/-0.056 χ^2/NDF:113500.5/12

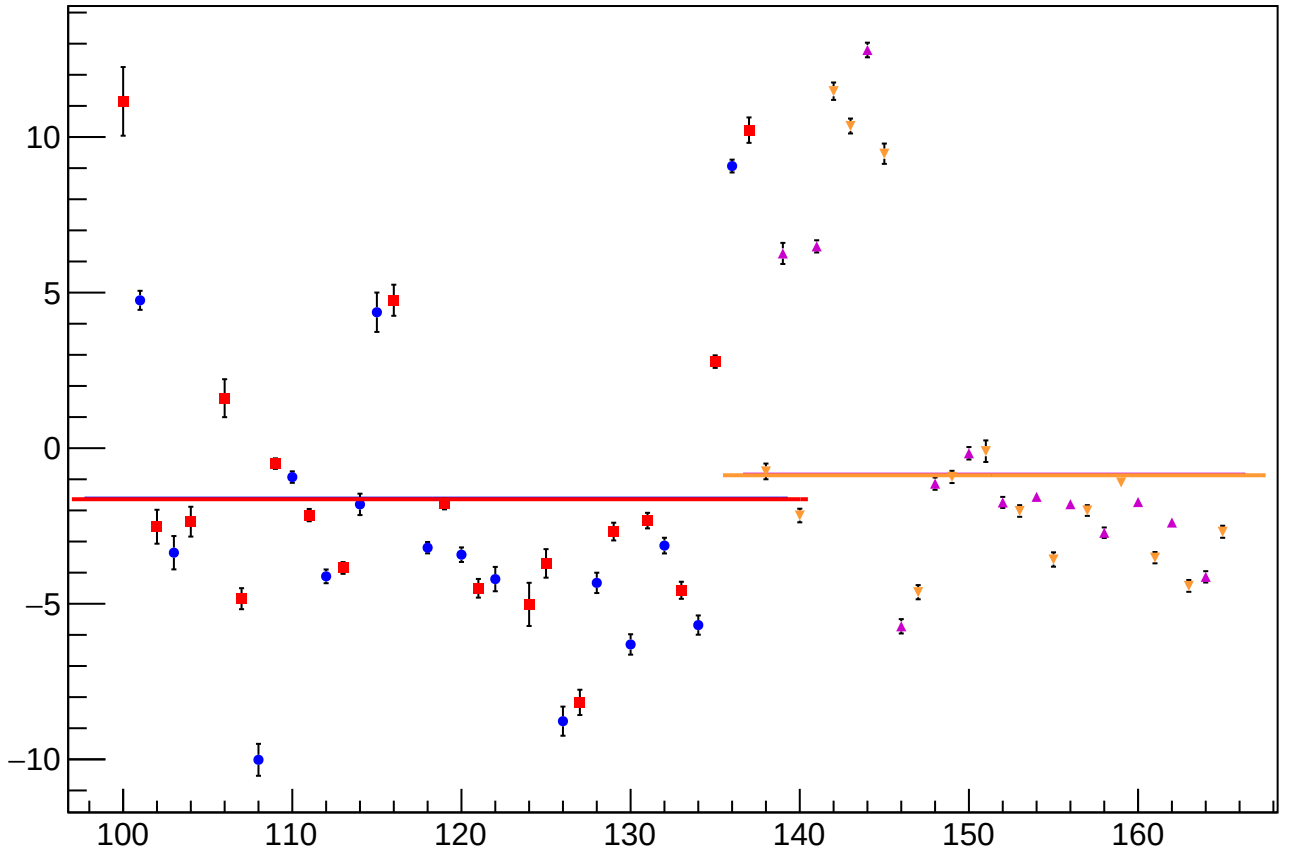
Left: -8.204+/-0.043 χ^2/NDF: 253399.8/27

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.570+/-0.043 χ^2/NDF:204409.3/28

Out: -2.517+/-0.044 χ^2/NDF:245162.5/33

All: -1.518+/-0.031 χ^2/NDF: 450589.1/62



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.870+/-0.055 χ^2/NDF:6321.0/14

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.851+/-0.047 χ^2/NDF:6359.5/12

Left: -0.859+/-0.036 χ^2/NDF: 12680.5/27

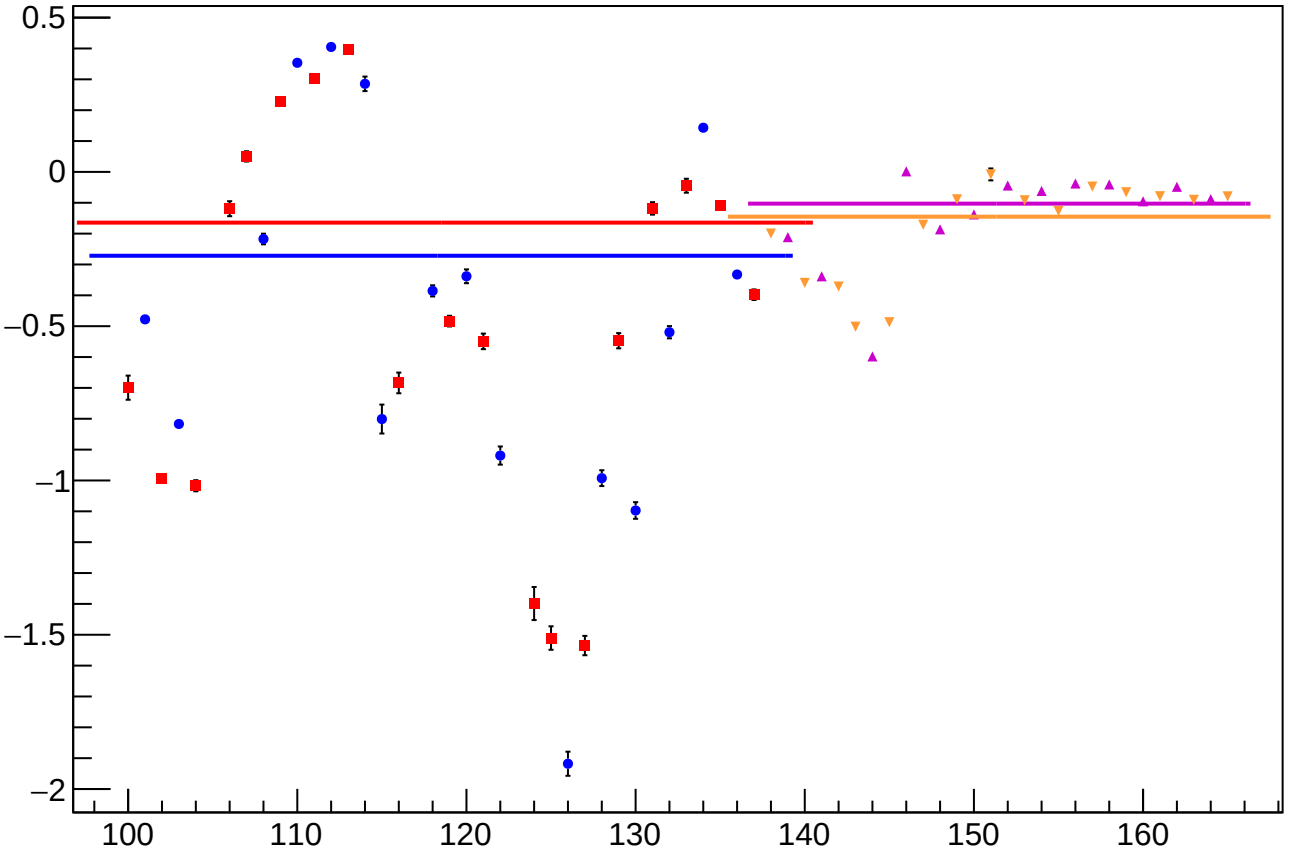
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.093+/-0.039 χ^2/NDF:10968.9/28

Out: -1.192+/-0.042 χ^2/NDF:8866.0/33

All: -1.139+/-0.028 χ^2/NDF: 19837.9/62

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.145+/-0.002 χ^2/NDF:2913.6/14

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.103+/-0.002 χ^2/NDF:2989.9/12

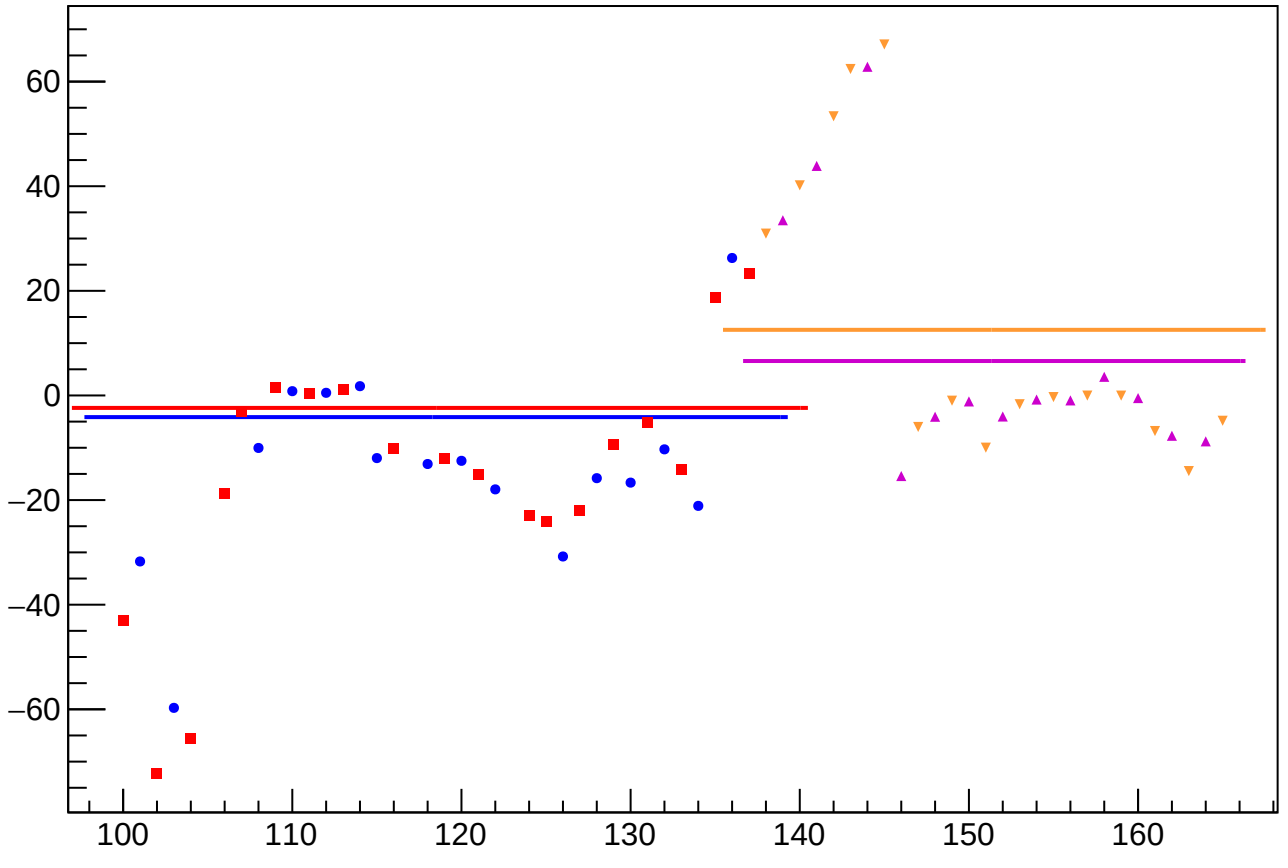
Left: -0.120+/-0.002 χ^2/NDF: 6085.2/27

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.135+/-0.002 χ^2/NDF:16376.1/28

Out: -0.151+/-0.002 χ^2/NDF:18428.8/33

All: -0.142+/-0.001 χ^2/NDF: 34837.8/62


reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected
60
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−60
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110
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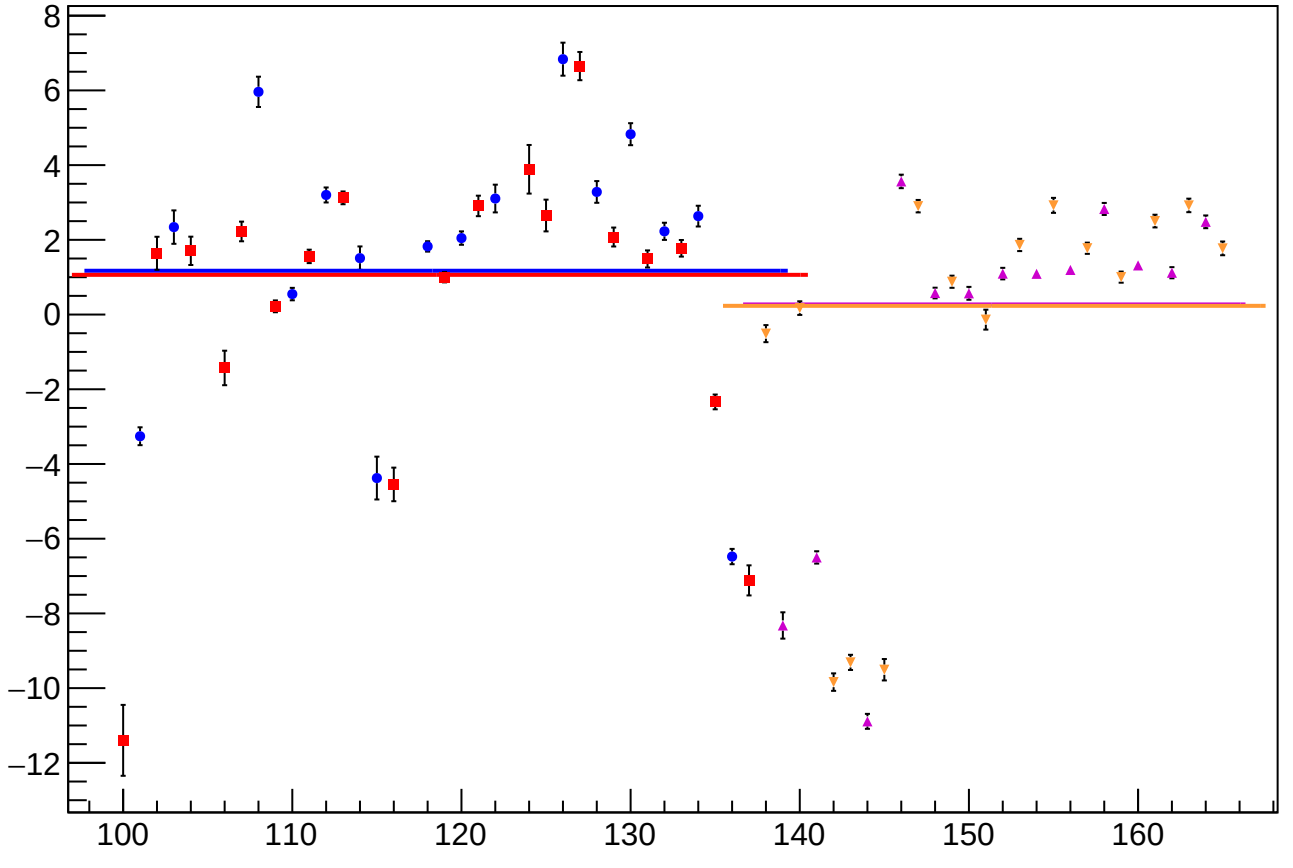
140
150
160
Right In: -4.139+/-0.054 χ²/NDF: 75240.1/15
Left Out: 12.546+/-0.067 χ²/NDF:137171.3/14
Right Out: -2.380+/-0.046 χ²/NDF: 80668.5/18
Left In: 6.584+/-0.059 χ²/NDF:114616.9/12
Left: 9.191+/-0.044 χ²/NDF: 256277.5/27
Right: -3.111+/-0.035 χ²/NDF: 156520.4/34
In: 0.797+/-0.040 χ²/NDF:207778.6/28
Out: 2.403+/-0.038 χ²/NDF:251811.3/33
All: 1.644+/-0.027 χ²/NDF: 460442.6/62



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.233+/-0.048 χ^2/NDF:6381.4/14

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.270+/-0.041 χ^2/NDF:6397.2/12

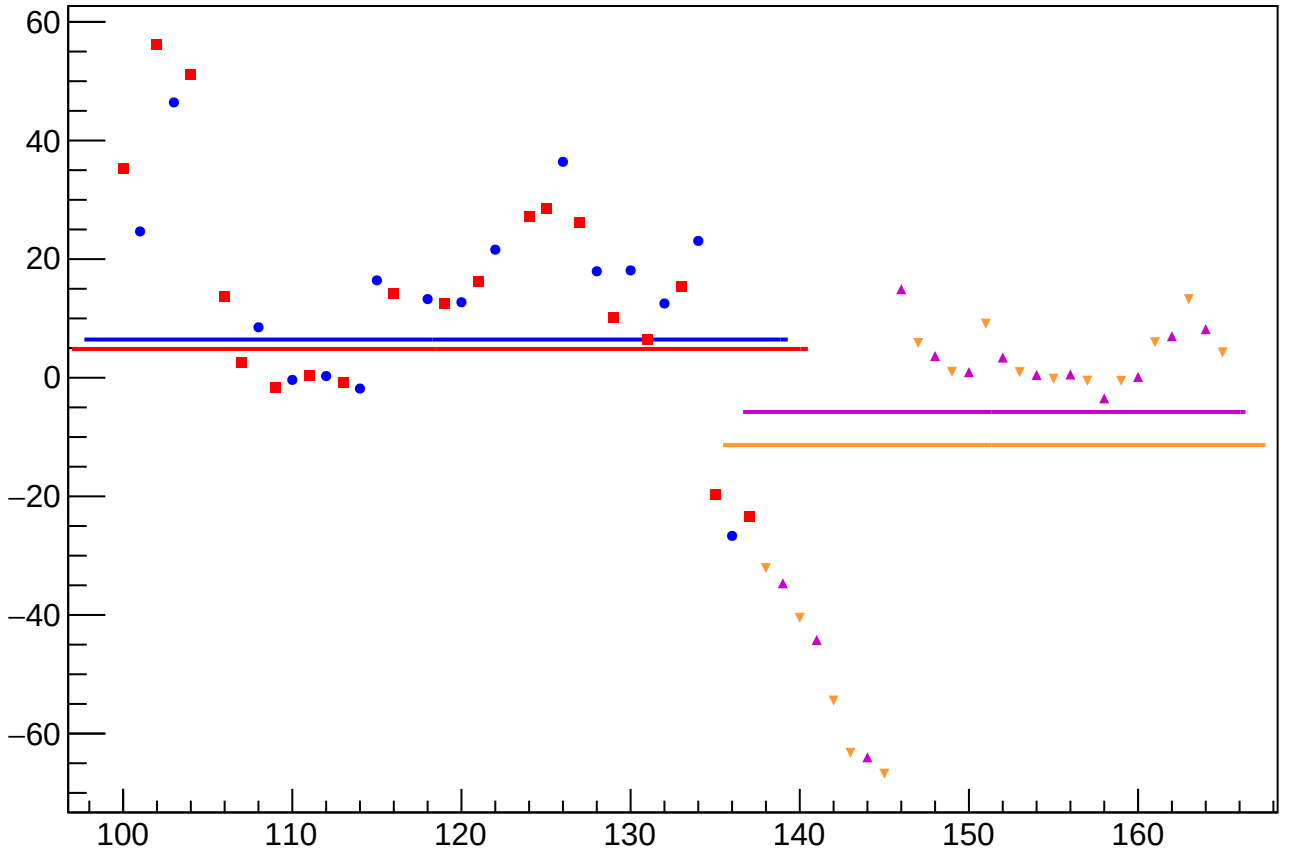
Left: 0.254+/-0.031 χ^2/NDF: 12778.9/27

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.560+/-0.034 χ^2/NDF:9134.5/28

Out: 0.577+/-0.037 χ^2/NDF:8102.3/33

All: 0.568+/-0.025 χ^2/NDF: 17237.0/62



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -11.357+/-0.065 χ^2/NDF:135391.4/14

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -5.771+/-0.056 χ^2/NDF:113384.4/12

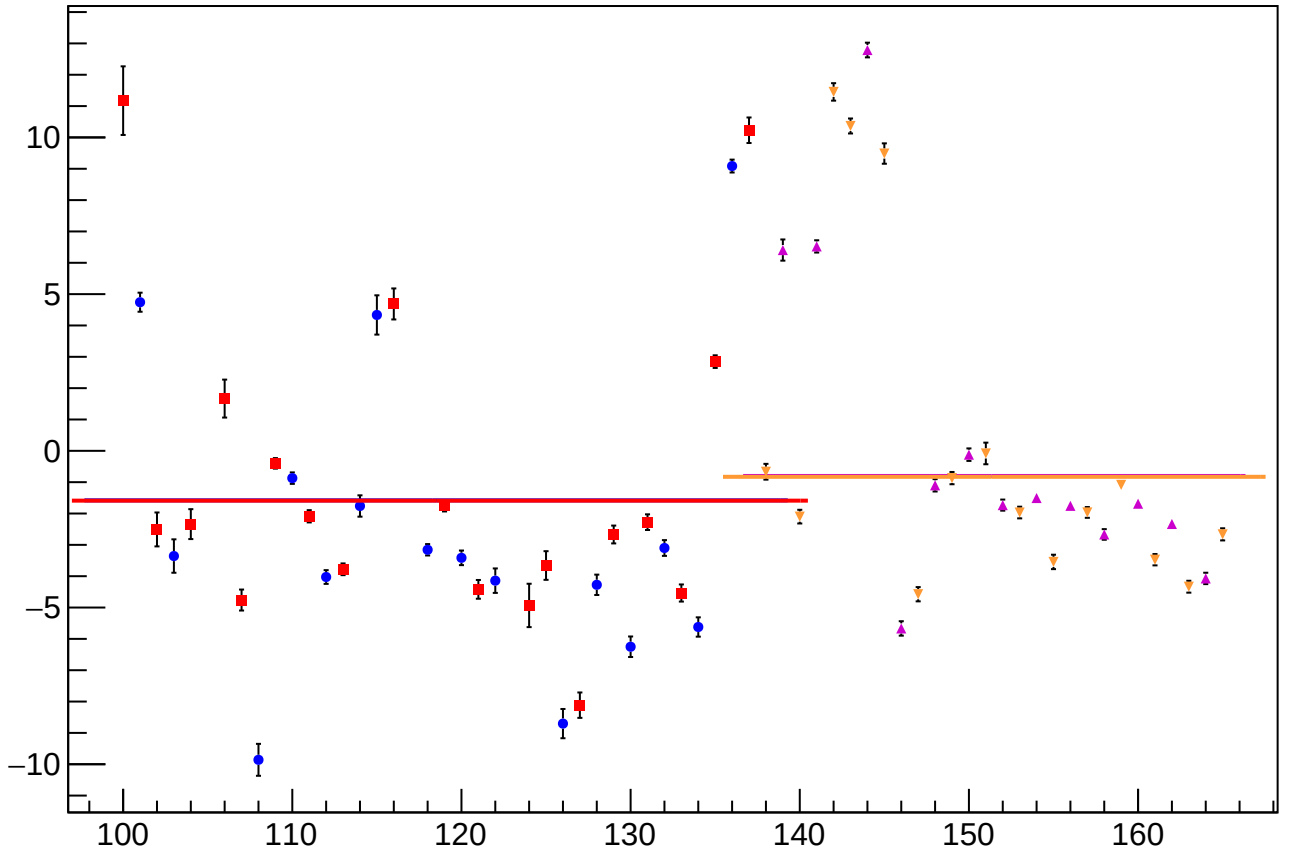
Left: -8.169+/-0.042 χ^2/NDF: 253025.3/27

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.538+/-0.042 χ^2/NDF:204281.7/28

Out: -2.480+/-0.044 χ^2/NDF:244873.4/33

All: -1.484+/-0.030 χ^2/NDF: 450174.9/62



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.829+/-0.054 χ^2/NDF:6318.3/14

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.802+/-0.047 χ^2/NDF:6374.3/12

Left: -0.813+/-0.036 χ^2/NDF: 12692.7/27

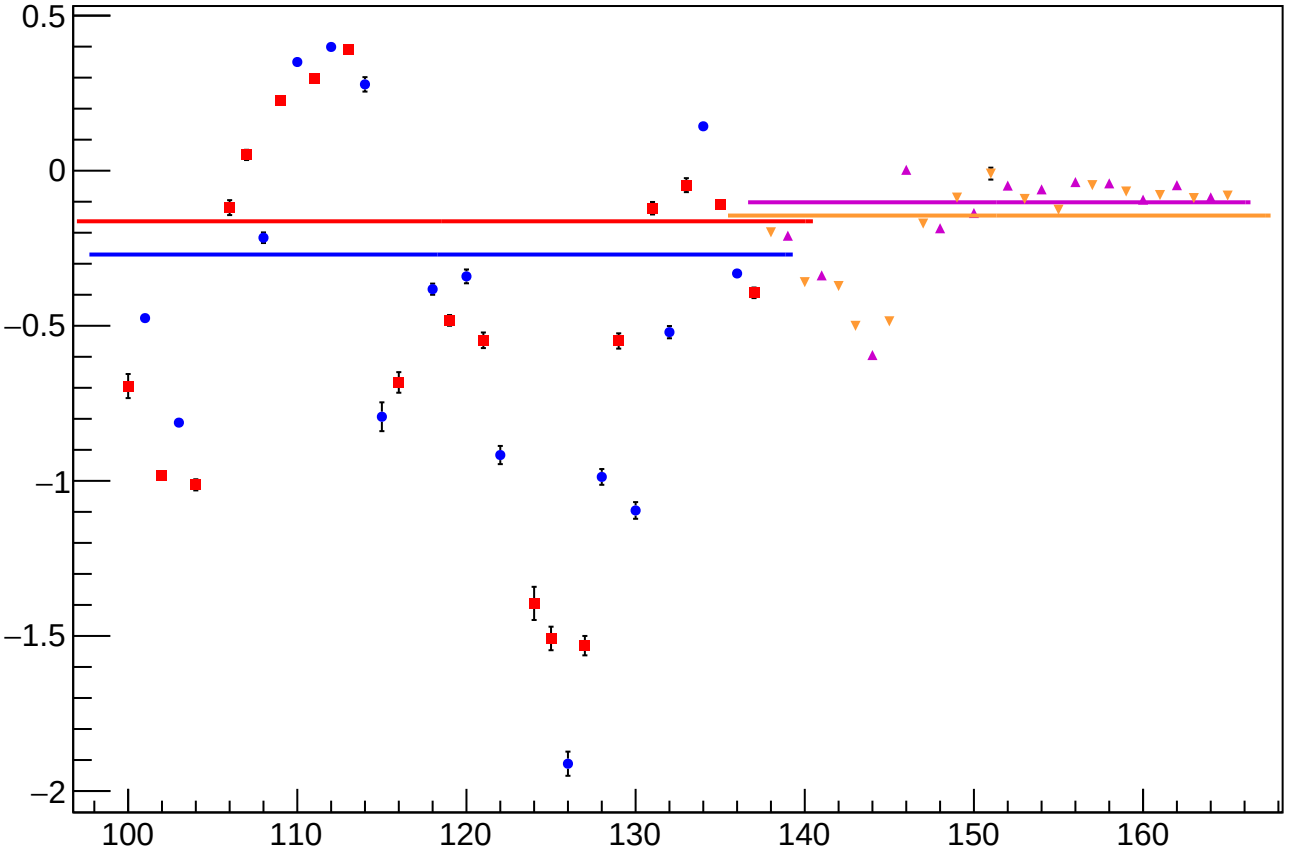
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.048+/-0.039 χ^2/NDF:10985.0/28

Out: -1.147+/-0.042 χ^2/NDF:8872.0/33

All: -1.094+/-0.028 χ^2/NDF: 19860.1/62

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.145+/-0.002 χ^2/NDF:2923.6/14

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.102+/-0.002 χ^2/NDF:2979.8/12

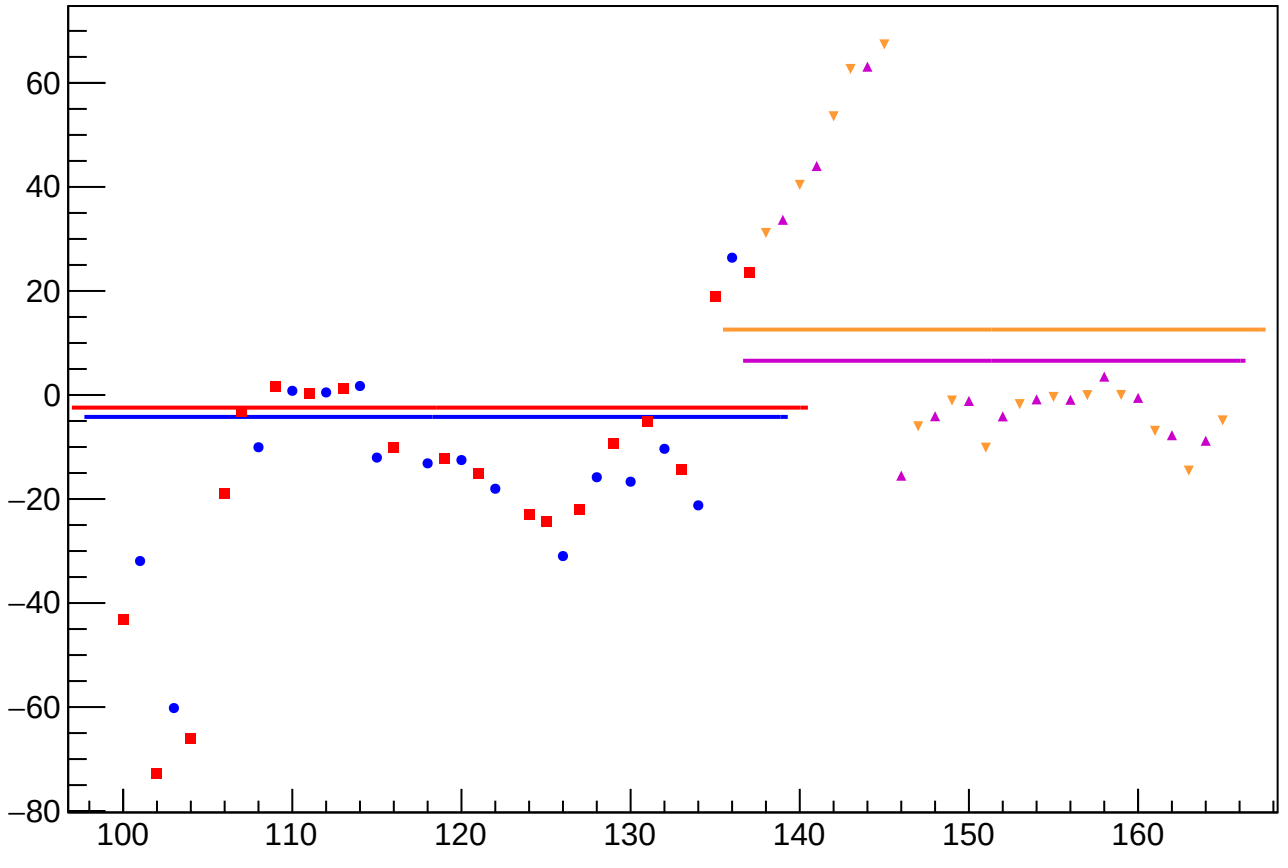
Left: -0.120+/-0.002 χ^2/NDF: 6089.6/27

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.134+/-0.002 χ^2/NDF:16358.3/28

Out: -0.150+/-0.002 χ^2/NDF:18450.8/33

All: -0.141+/-0.001 χ^2/NDF: 34843.0/62



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 12.578+/-0.067 χ^2/NDF:137528.2/14

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 6.581+/-0.059 χ^2/NDF:114765.1/12

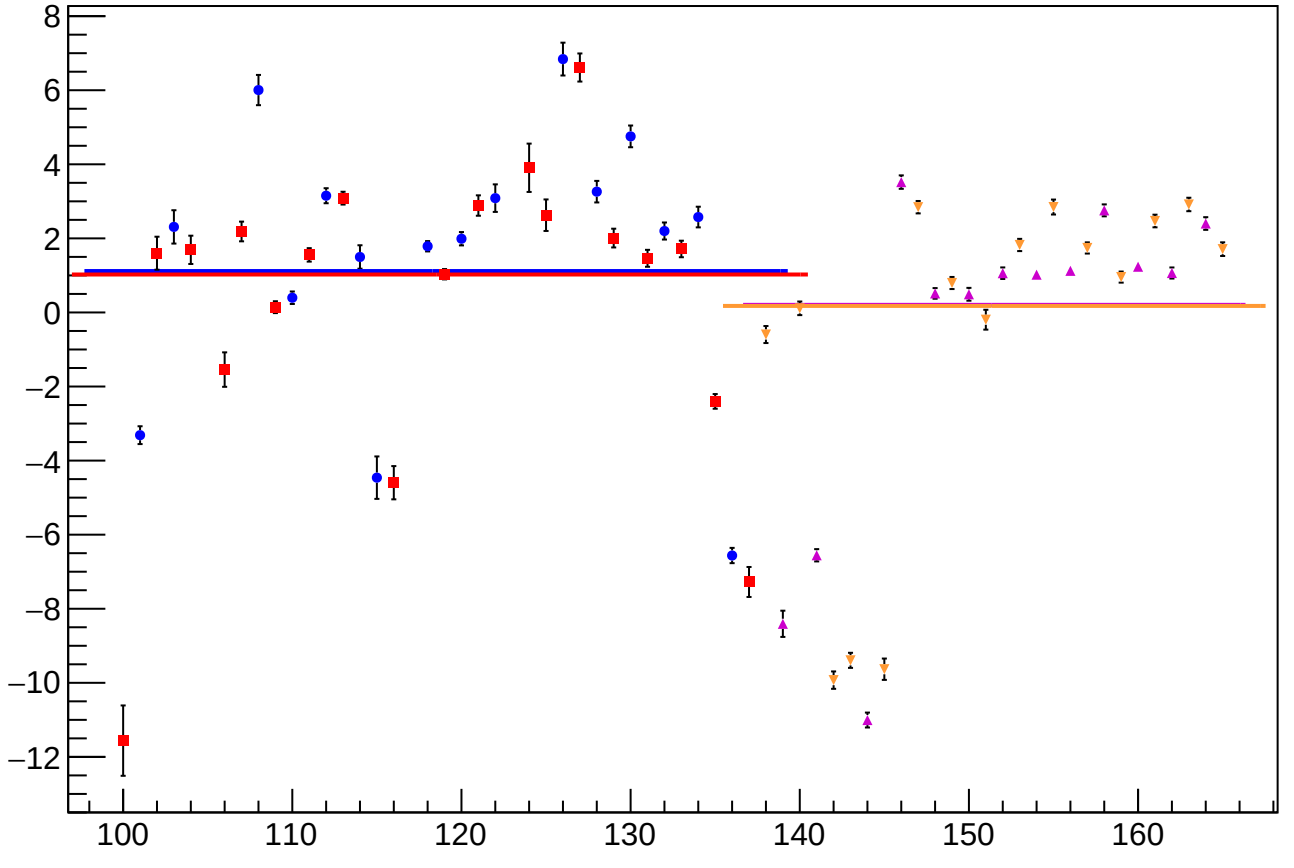
Left: 9.201+/-0.044 χ^2/NDF: 256799.4/27

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.773+/-0.040 χ^2/NDF:207969.7/28

Out: 2.402+/-0.038 χ^2/NDF:252233.0/33

All: 1.631+/-0.028 χ^2/NDF: 461070.8/62



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.176+/-0.048 χ^2/NDF:6386.1/14

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.205+/-0.042 χ^2/NDF:6370.8/12

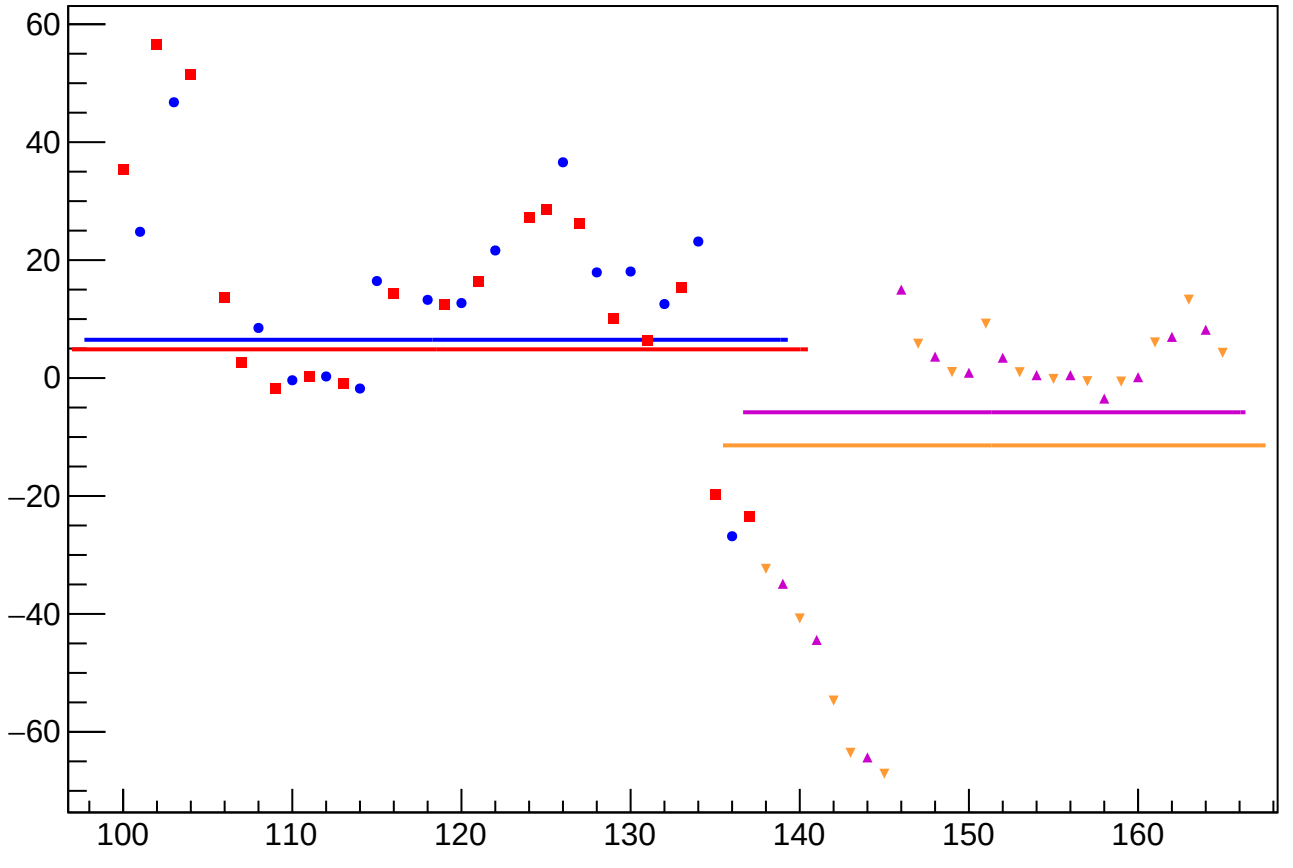
Left: 0.193+/-0.031 χ^2/NDF: 12757.1/27

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.498+/-0.034 χ^2/NDF:9117.6/28

Out: 0.527+/-0.037 χ^2/NDF:8127.1/33

All: 0.511+/-0.025 χ^2/NDF: 17245.0/62



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -11.417+/-0.065 χ^2/NDF:135757.5/14

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -5.802+/-0.056 χ^2/NDF:113535.2/12

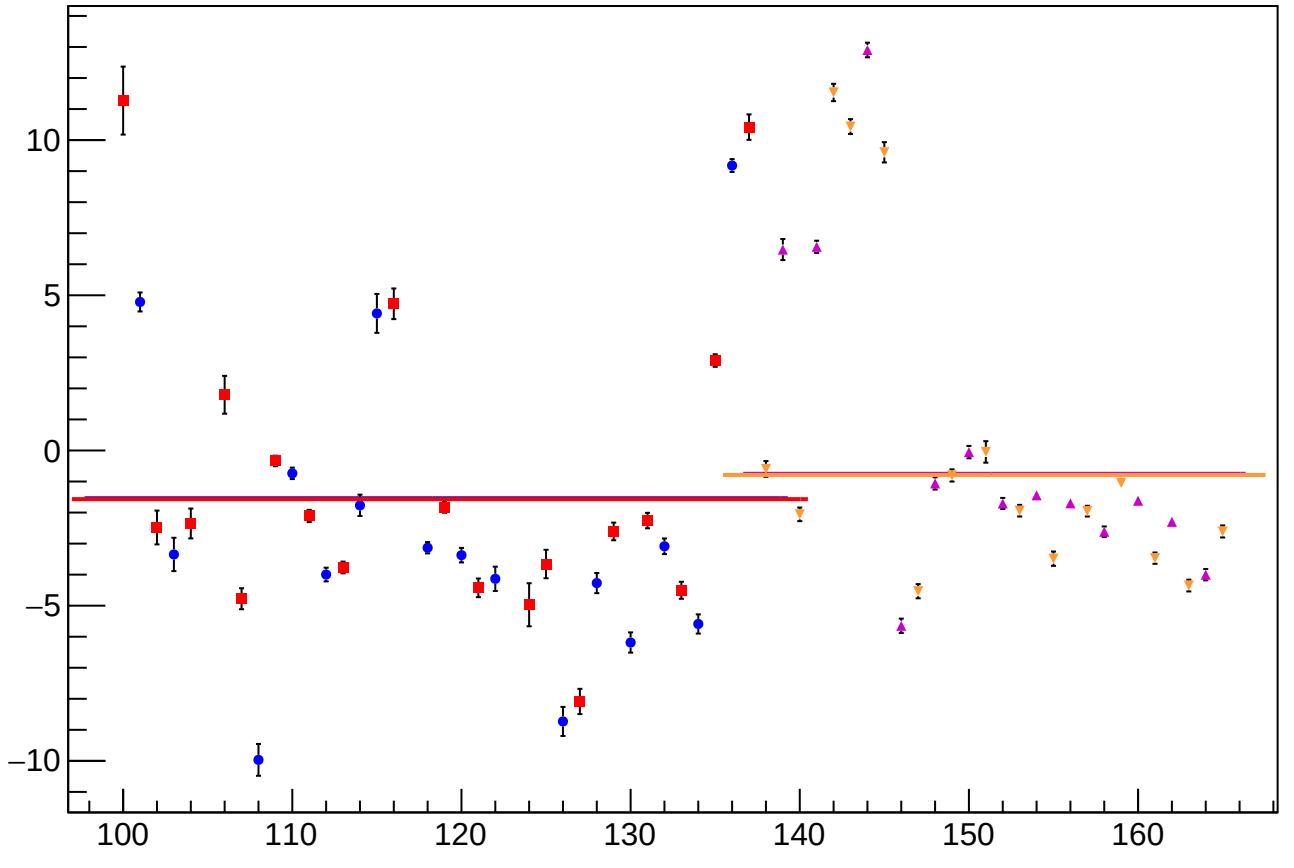
Left: -8.211+/-0.043 χ^2/NDF: 253553.2/27

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.549+/-0.043 χ^2/NDF:204506.9/28

Out: -2.514+/-0.044 χ^2/NDF:245336.2/33

All: -1.506+/-0.031 χ^2/NDF: 450877.6/62



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.788+/-0.055 χ^2/NDF:6327.1/14

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.751+/-0.047 χ^2/NDF:6354.4/12

Left: -0.767+/-0.036 χ^2/NDF: 12681.8/27

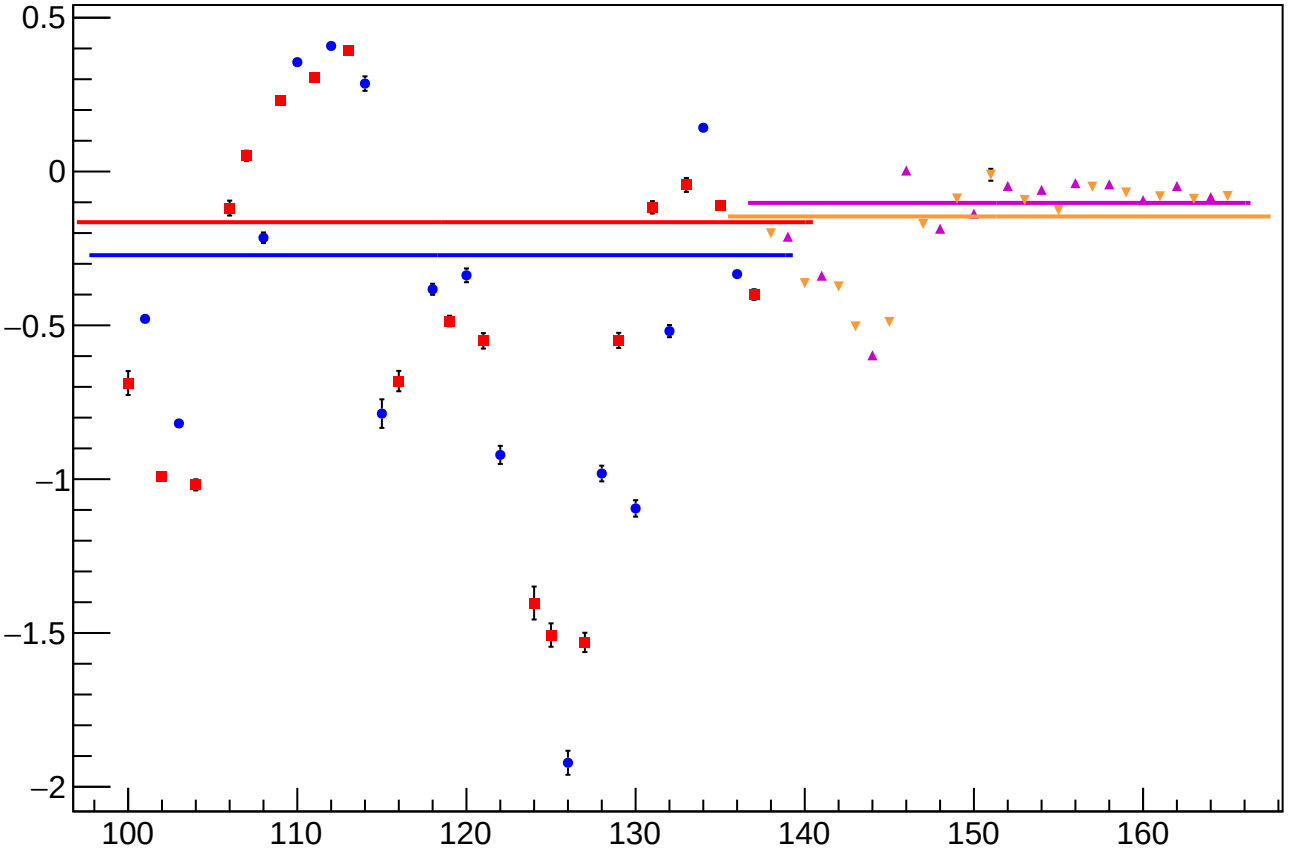
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.999+/-0.039 χ^2/NDF:10978.4/28

Out: -1.114+/-0.042 χ^2/NDF:8908.7/33

All: -1.053+/-0.029 χ^2/NDF: 19891.1/62

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: -0.146+/-0.002 χ^2/NDF:2926.2/14

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.102+/-0.002 χ^2/NDF:2987.4/12

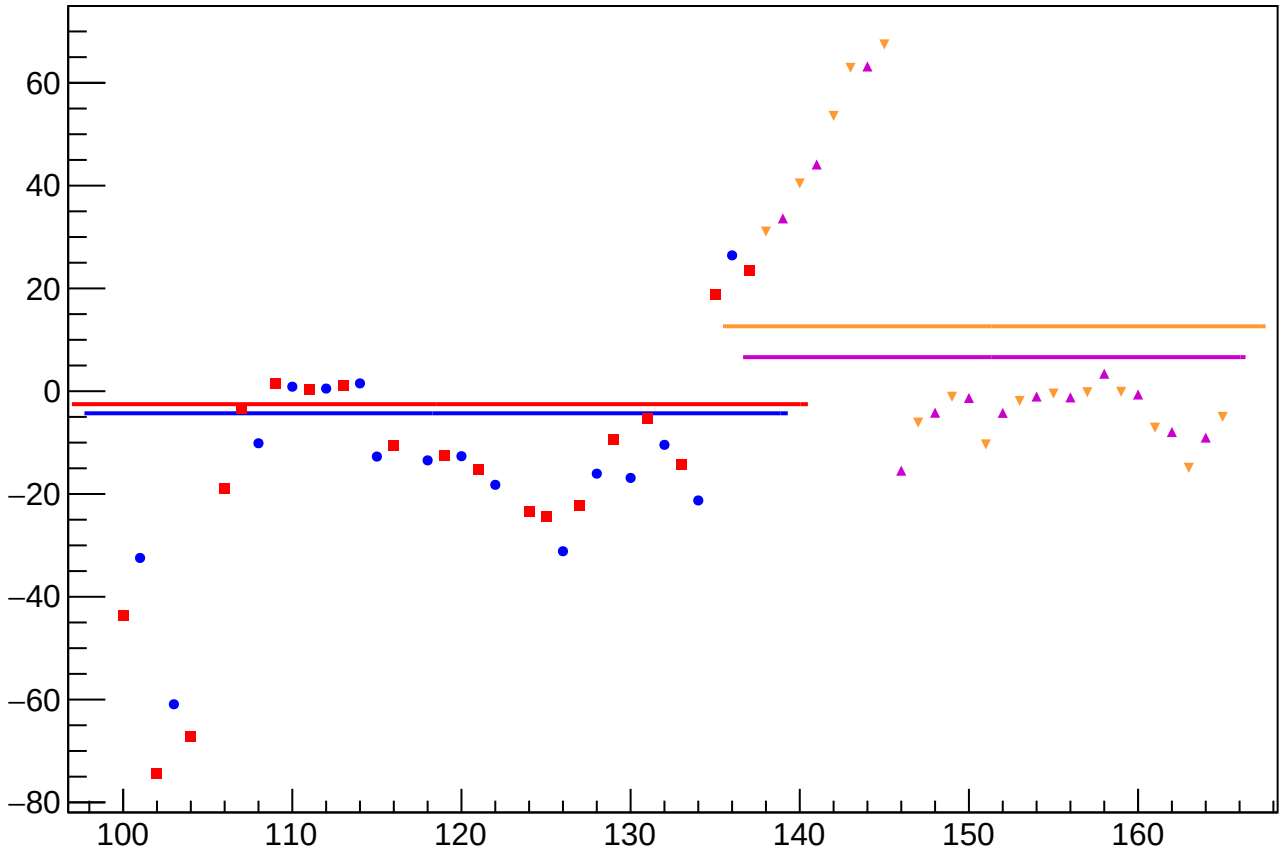
Left: -0.120+/-0.002 χ^2/NDF: 6110.8/27

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.134+/-0.002 χ^2/NDF:16405.5/28

Out: -0.151+/-0.002 χ^2/NDF:18433.7/33

All: -0.142+/-0.001 χ^2/NDF: 34878.2/62



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 12.631+/-0.068 χ^2/NDF:135669.9/14

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 6.625+/-0.060 χ^2/NDF:112923.0/12

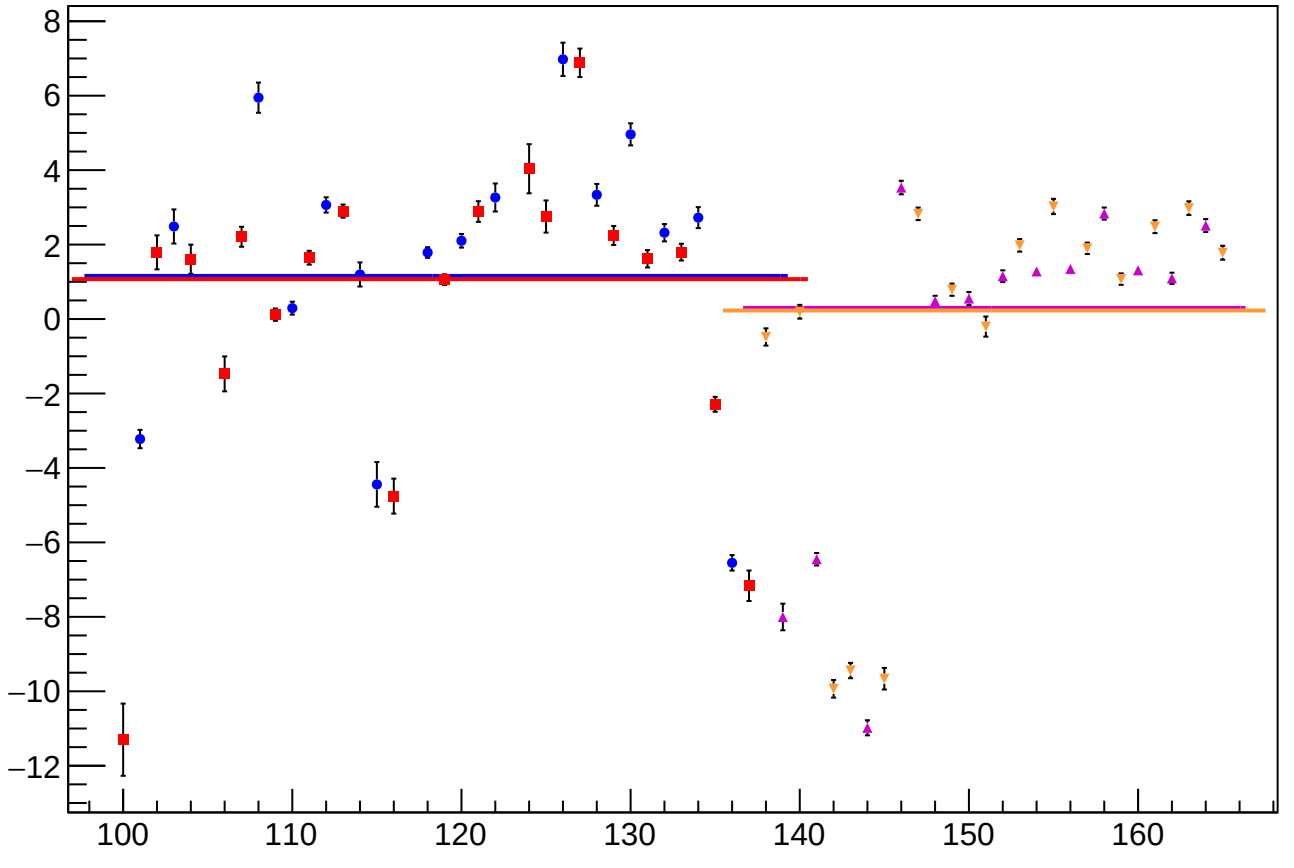
Left: 9.269+/-0.045 χ^2/NDF: 252964.4/27

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.738+/-0.041 χ^2/NDF:204839.9/28

Out: 2.412+/-0.039 χ^2/NDF:249090.3/33

All: 1.620+/-0.028 χ^2/NDF: 454810.9/62



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.230+/-0.049 χ^2/NDF:6369.7/14

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.299+/-0.042 χ^2/NDF:6247.3/12

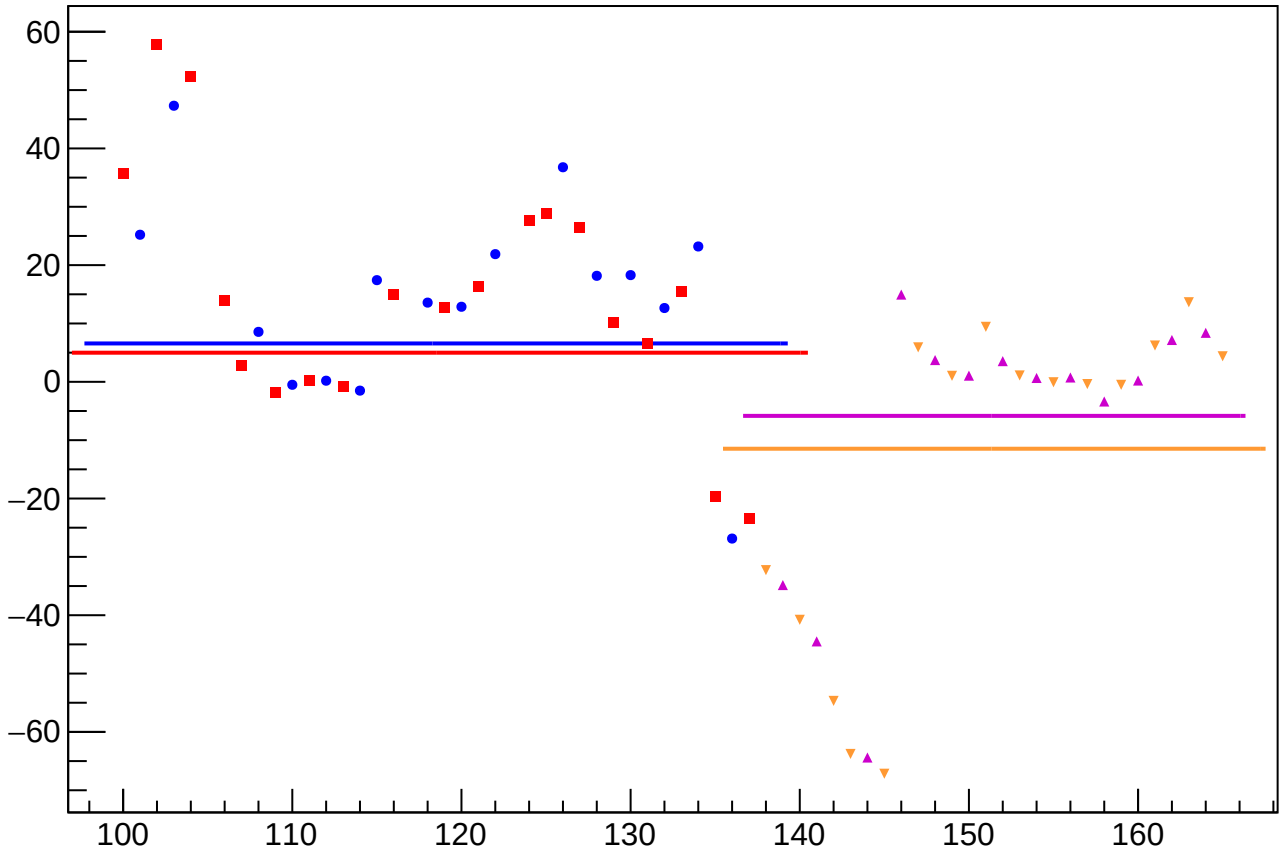
Left: 0.269+/-0.032 χ^2/NDF: 12618.2/27

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.576+/-0.035 χ^2/NDF:8929.3/28

Out: 0.575+/-0.037 χ^2/NDF:8044.1/33

All: 0.575+/-0.026 χ^2/NDF: 16973.4/62



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -11.466+/-0.066 χ^2/NDF:133898.9/14

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -5.835+/-0.058 χ^2/NDF:111706.6/12

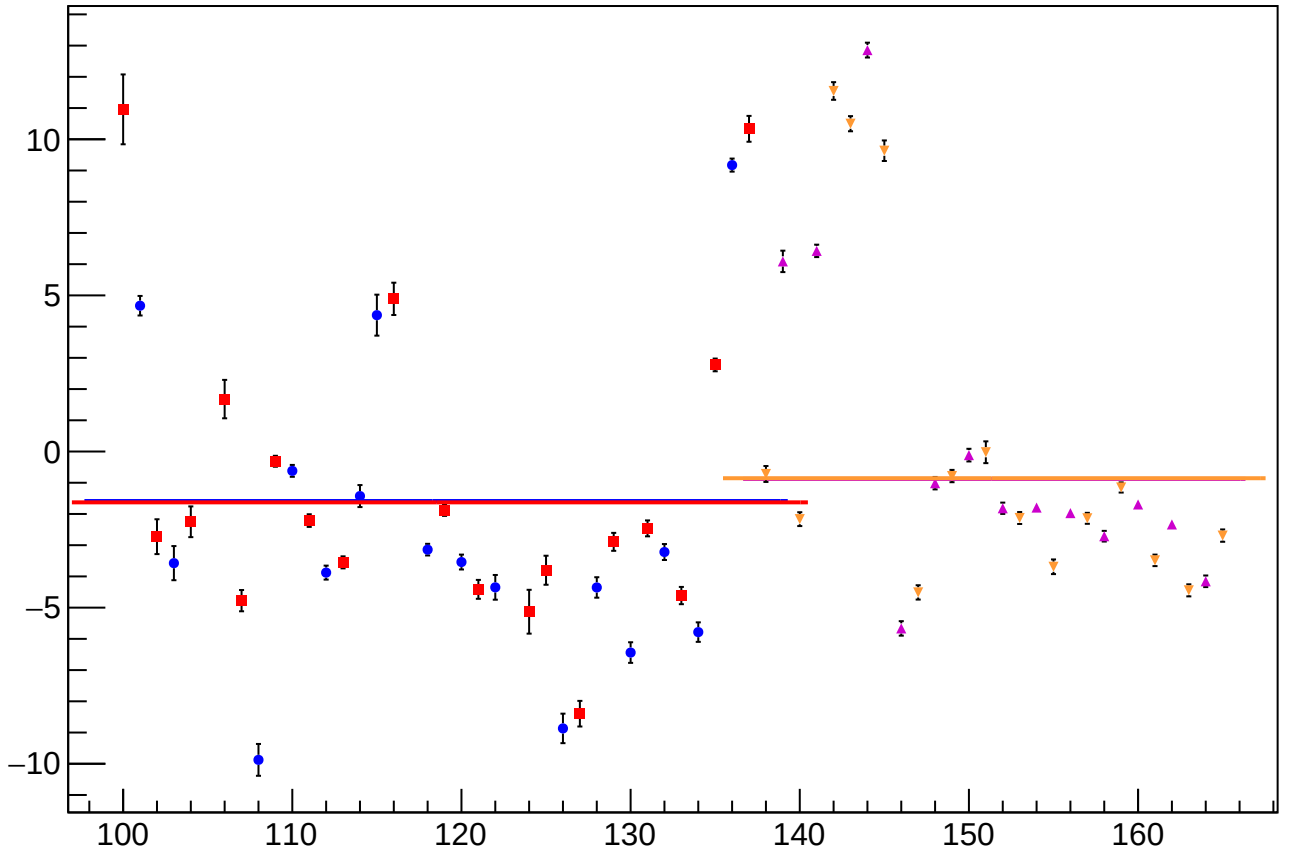
Left: -8.270+/-0.043 χ^2/NDF: 249746.9/27

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.510+/-0.043 χ^2/NDF:201395.7/28

Out: -2.521+/-0.045 χ^2/NDF:242233.6/33

All: -1.492+/-0.031 χ^2/NDF: 444673.3/62



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.856+/-0.055 χ^2/NDF:6312.2/14

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.877+/-0.048 χ^2/NDF:6234.9/12

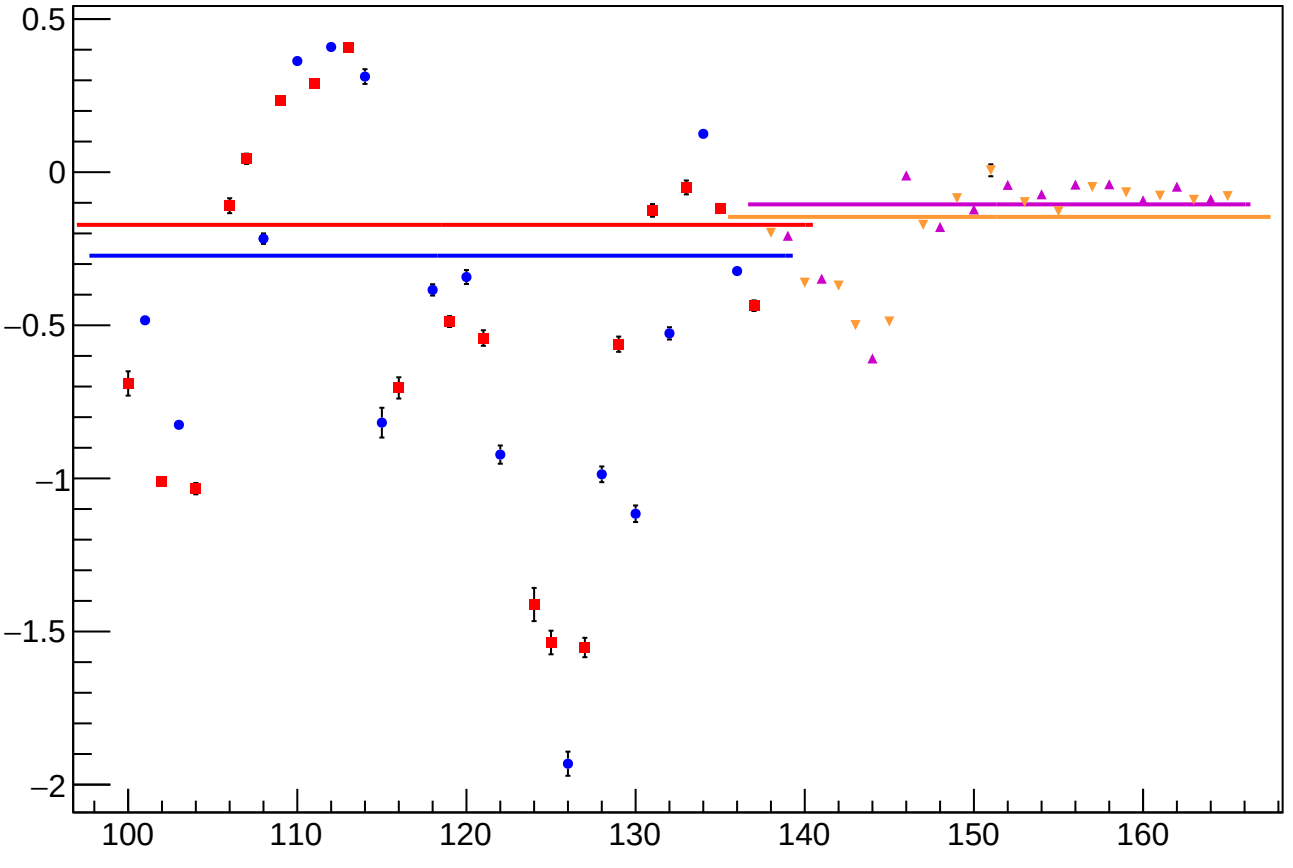
Left: -0.868+/-0.036 χ^2/NDF: 12547.2/27

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.101+/-0.040 χ^2/NDF:10776.0/28

Out: -1.176+/-0.042 χ^2/NDF:8814.9/33

All: -1.137+/-0.029 χ^2/NDF: 19592.6/62



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.146+/-0.002 χ^2/NDF:2841.0/14

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.105+/-0.002 χ^2/NDF:2945.4/12

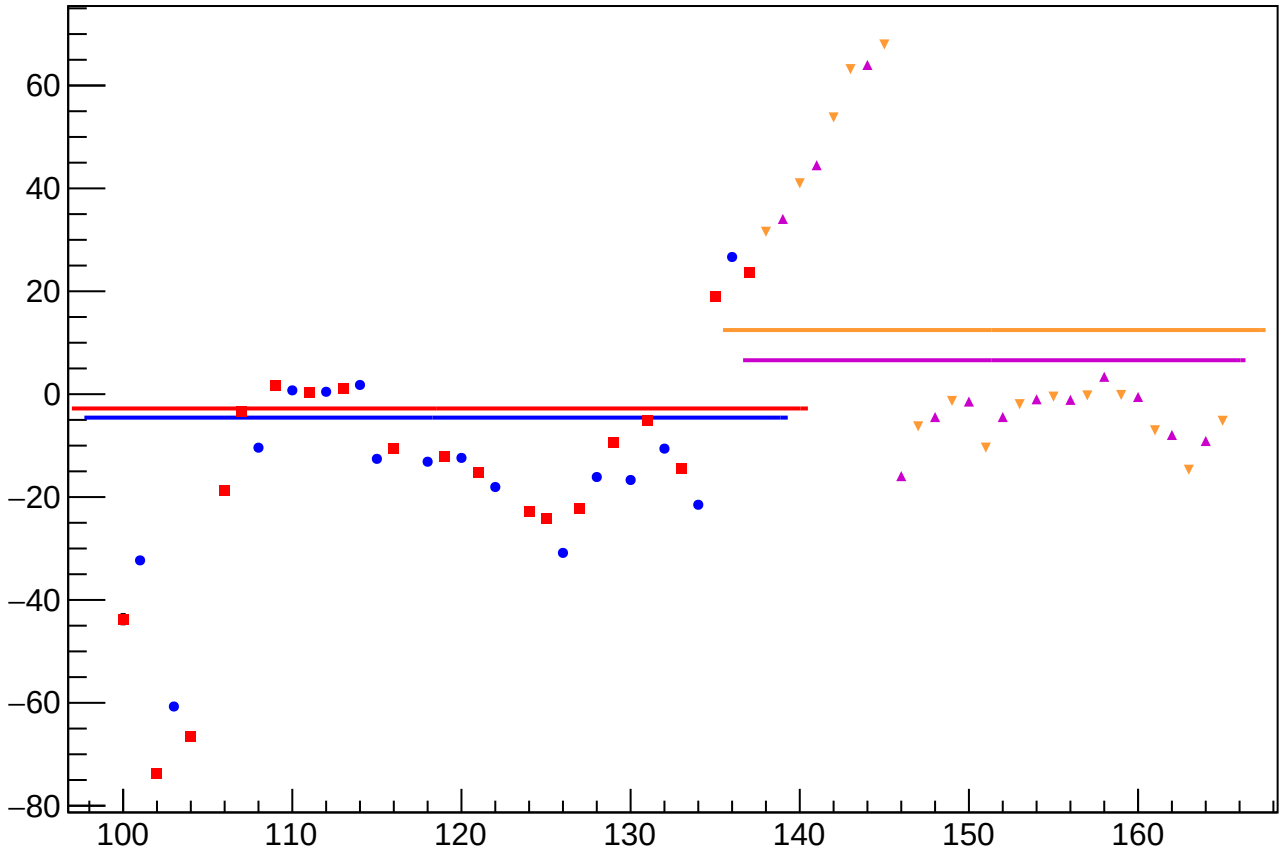
Left: -0.122+/-0.002 χ^2/NDF: 5949.3/27

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.137+/-0.002 χ^2/NDF:16072.7/28

Out: -0.153+/-0.002 χ^2/NDF:18195.5/33

All: -0.145+/-0.001 χ^2/NDF: 34301.1/62



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 12.464+/-0.069 χ^2/NDF:134255.2/14

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 6.597+/-0.061 χ^2/NDF:111659.6/12

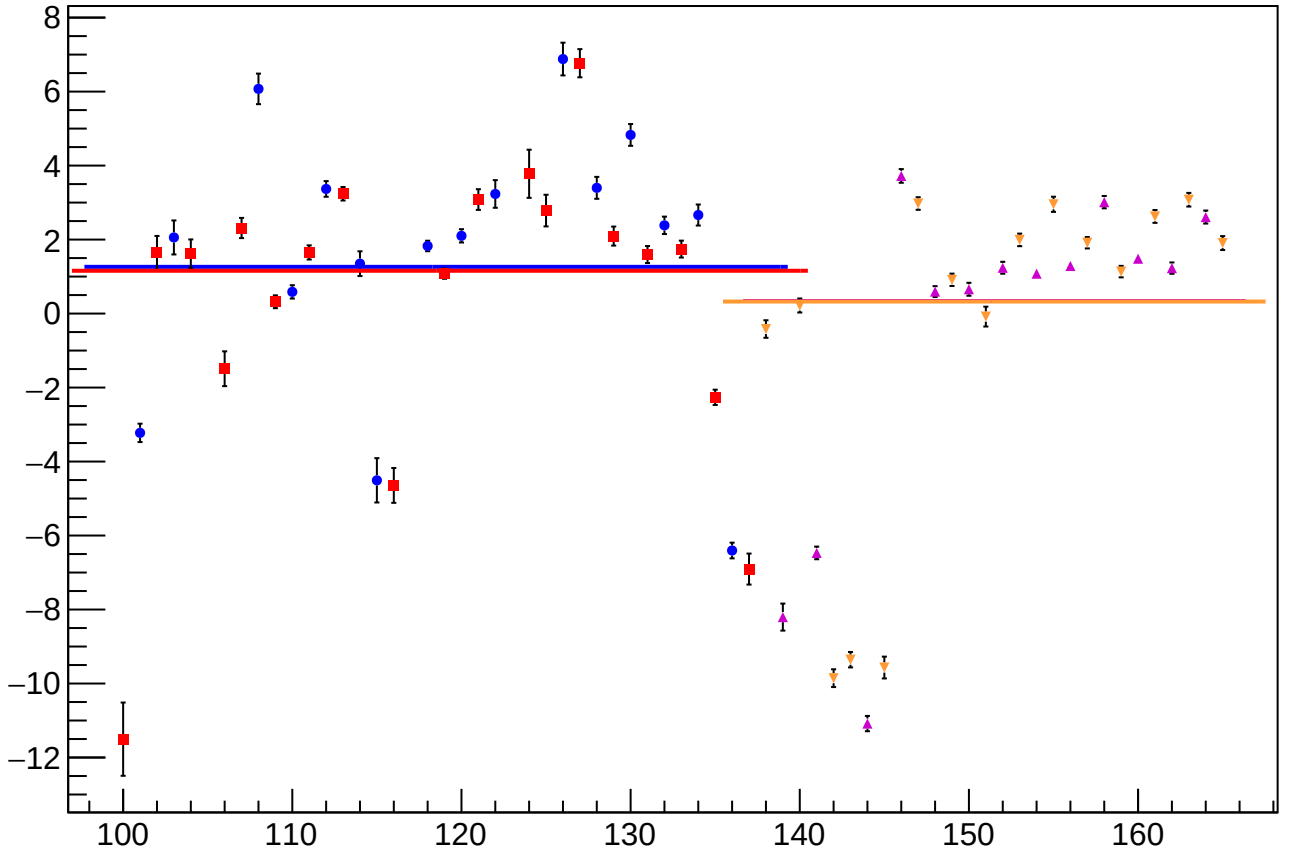
Left: 9.192+/-0.046 χ^2/NDF: 249982.1/27

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.606+/-0.042 χ^2/NDF:202143.2/28

Out: 2.291+/-0.040 χ^2/NDF:245012.6/33

All: 1.490+/-0.029 χ^2/NDF: 448015.9/62



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.325+/-0.049 χ^2/NDF:6203.8/14

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.340+/-0.043 χ^2/NDF:6202.6/12

Left: 0.333+/-0.032 χ^2/NDF: 12406.5/27

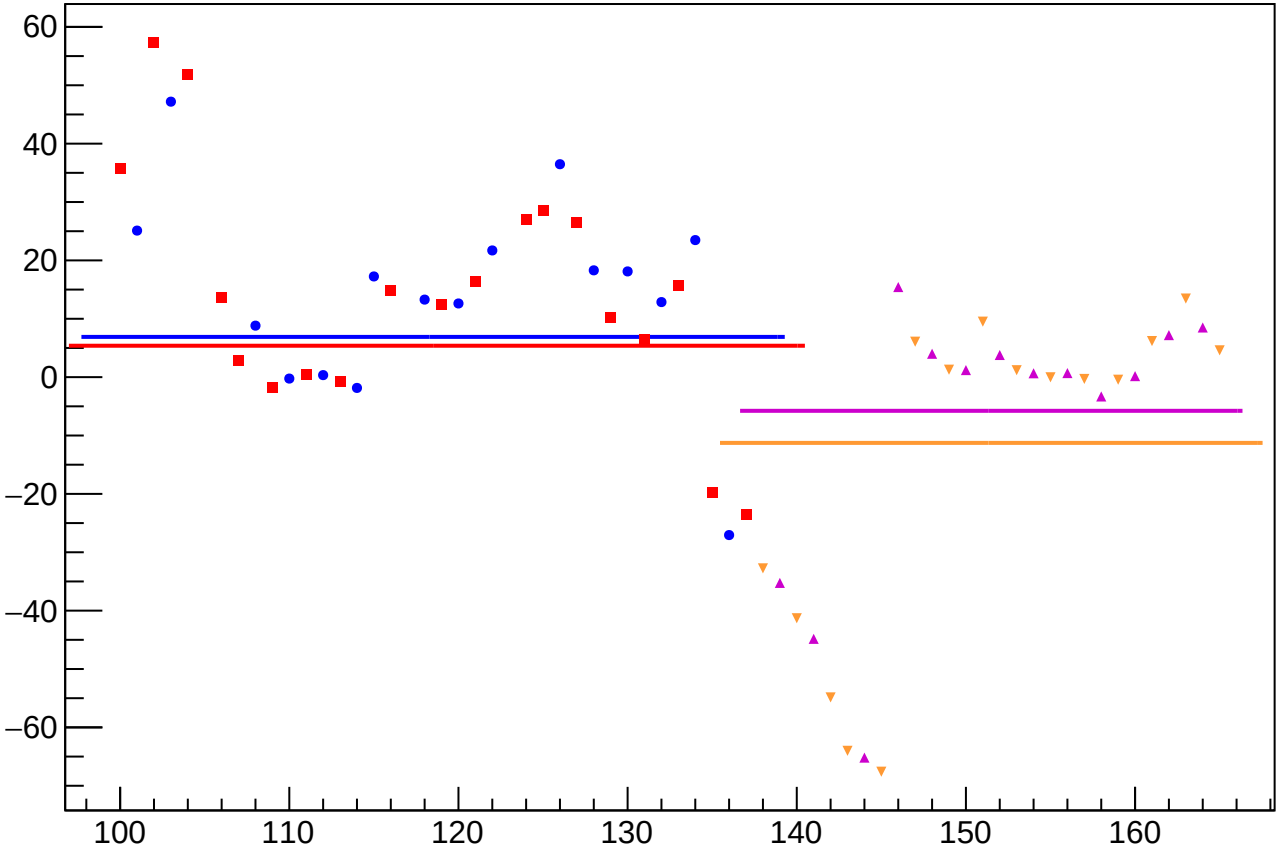
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.640+/-0.035 χ^2/NDF:8795.9/28

Out: 0.665+/-0.038 χ^2/NDF:7811.6/33

All: 0.652+/-0.026 χ^2/NDF: 16607.7/62

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: -11.263+/-0.067 χ^2/NDF:132346.9/14

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -5.769+/-0.058 χ^2/NDF:110410.6/12

Left: -8.157+/-0.044 χ^2/NDF: 246602.8/27

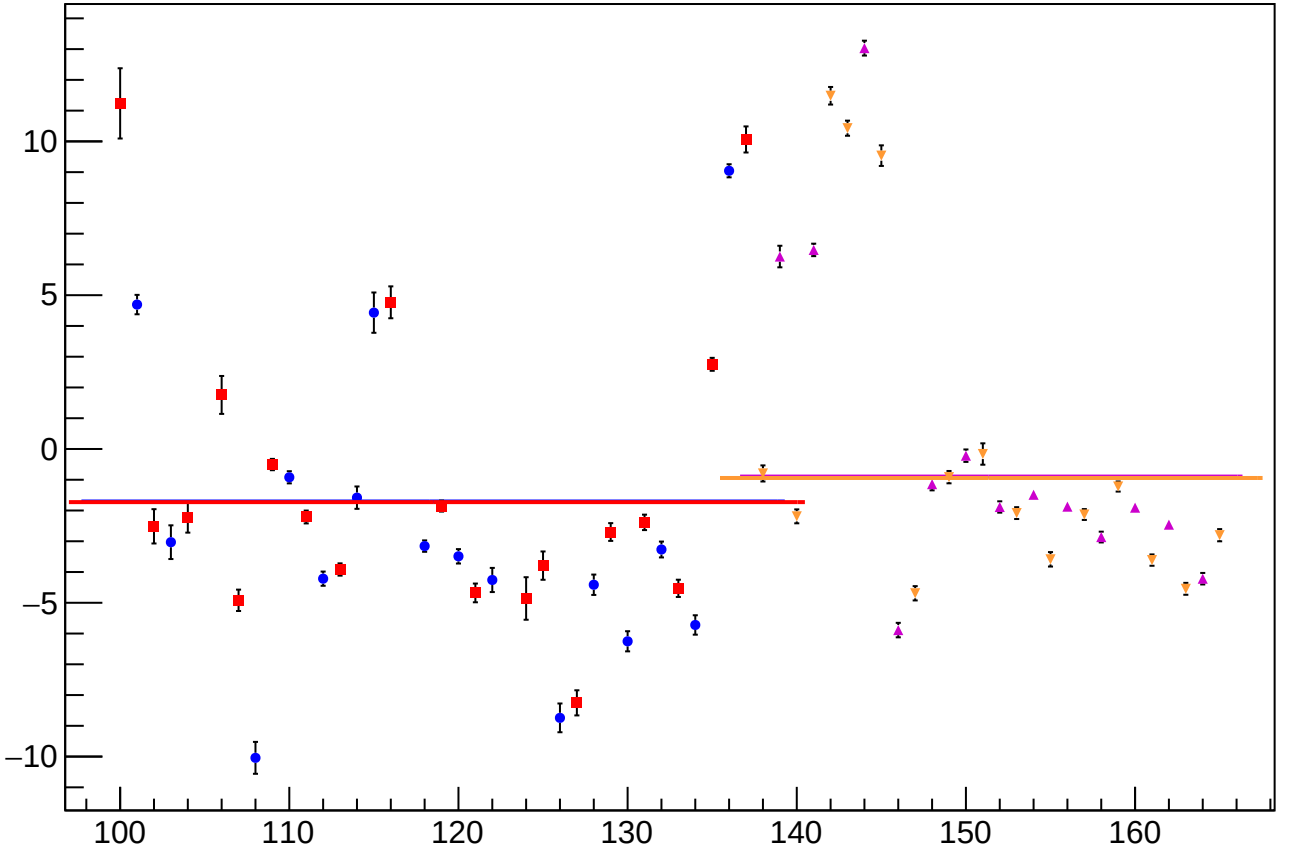
Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -0.333+/-0.044 χ^2/NDF:198627.8/28

Out: -2.303+/-0.045 χ^2/NDF:238185.4/33

All: -1.293+/-0.032 χ^2/NDF: 437784.2/62

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.943+/-0.056 χ^2/NDF:6157.0/14

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.897+/-0.049 χ^2/NDF:6206.5/12

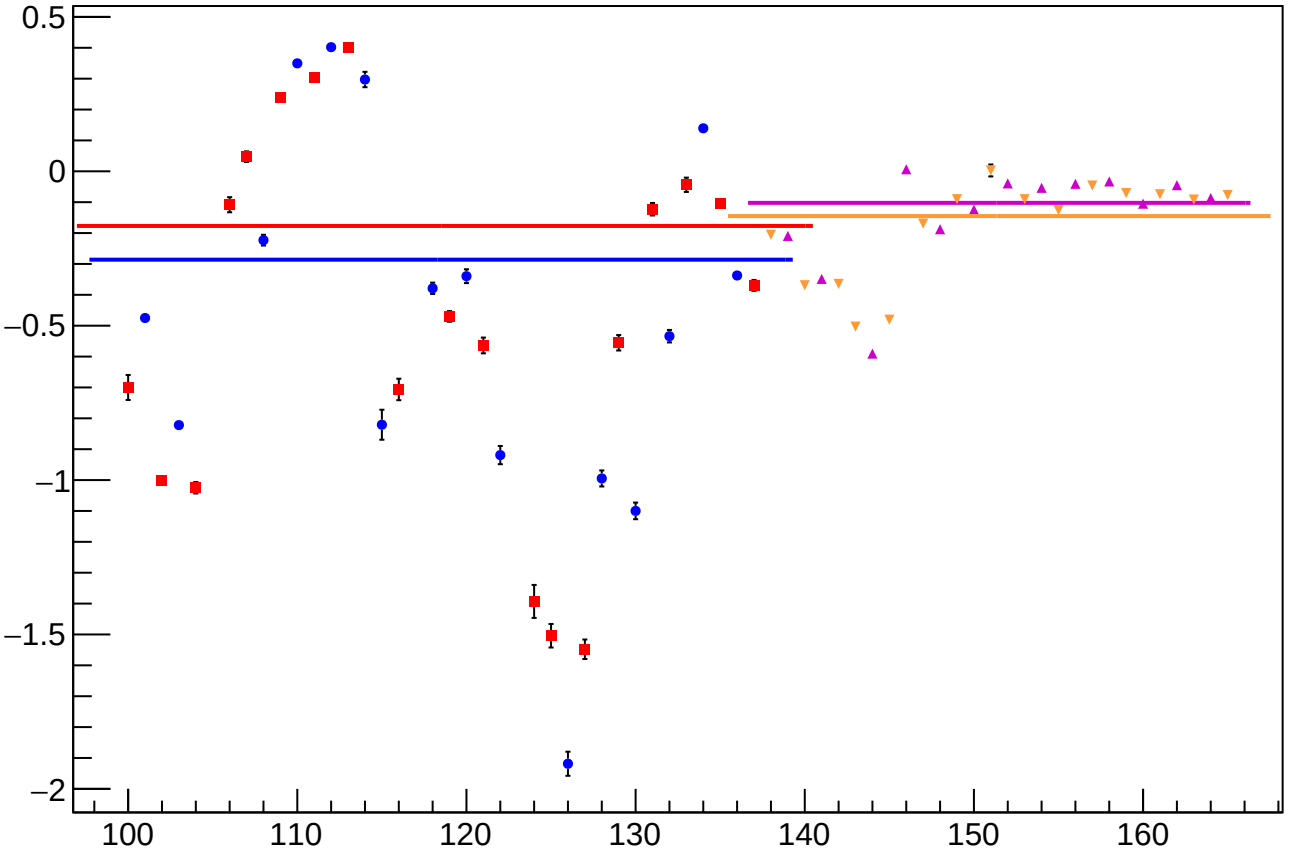
Left: -0.917+/-0.037 χ^2/NDF: 12363.8/27

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.155+/-0.040 χ^2/NDF:10583.7/28

Out: -1.266+/-0.043 χ^2/NDF:8547.5/33

All: -1.207+/-0.029 χ^2/NDF: 19134.8/62



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.145+/-0.002 χ^2/NDF:2801.3/14

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.102+/-0.002 χ^2/NDF:2854.7/12

Left: -0.120+/-0.002 χ^2/NDF: 5830.2/27

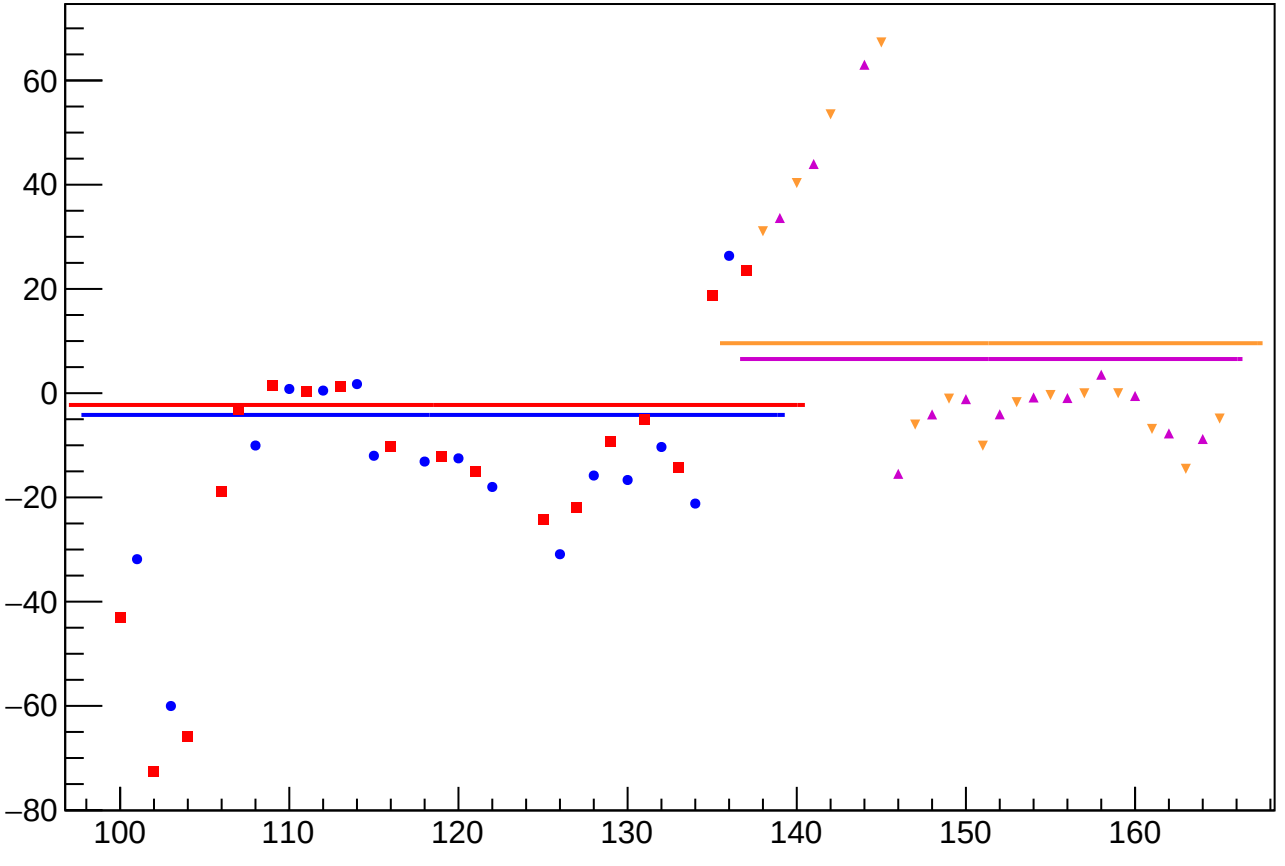
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.138+/-0.002 χ^2/NDF:15706.1/28

Out: -0.154+/-0.002 χ^2/NDF:17616.2/33

All: -0.145+/-0.001 χ^2/NDF: 33355.1/62

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: 9.587+/-0.069 χ^2/NDF:104574.5/13

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 6.552+/-0.059 χ^2/NDF:115015.9/12

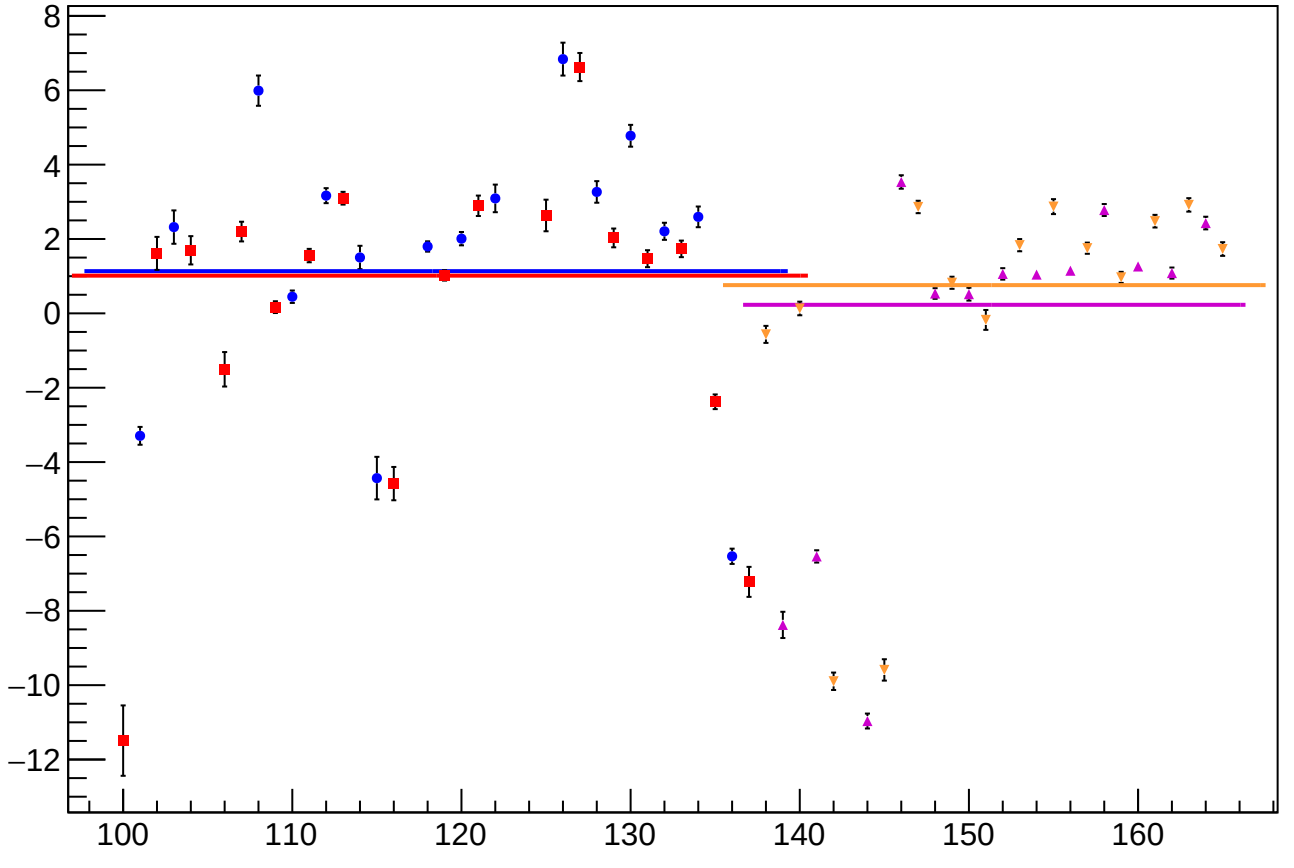
Left: 7.834+/-0.045 χ^2/NDF: 220715.9/26

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.779+/-0.040 χ^2/NDF:208325.5/28

Out: 1.406+/-0.038 χ^2/NDF:204701.1/31

All: 1.106+/-0.028 χ^2/NDF: 413155.2/60



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.759+/-0.049 χ^2/NDF:4050.6/13

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.230+/-0.041 χ^2/NDF:6393.7/12

Left: 0.448+/-0.032 χ^2/NDF: 10512.2/26

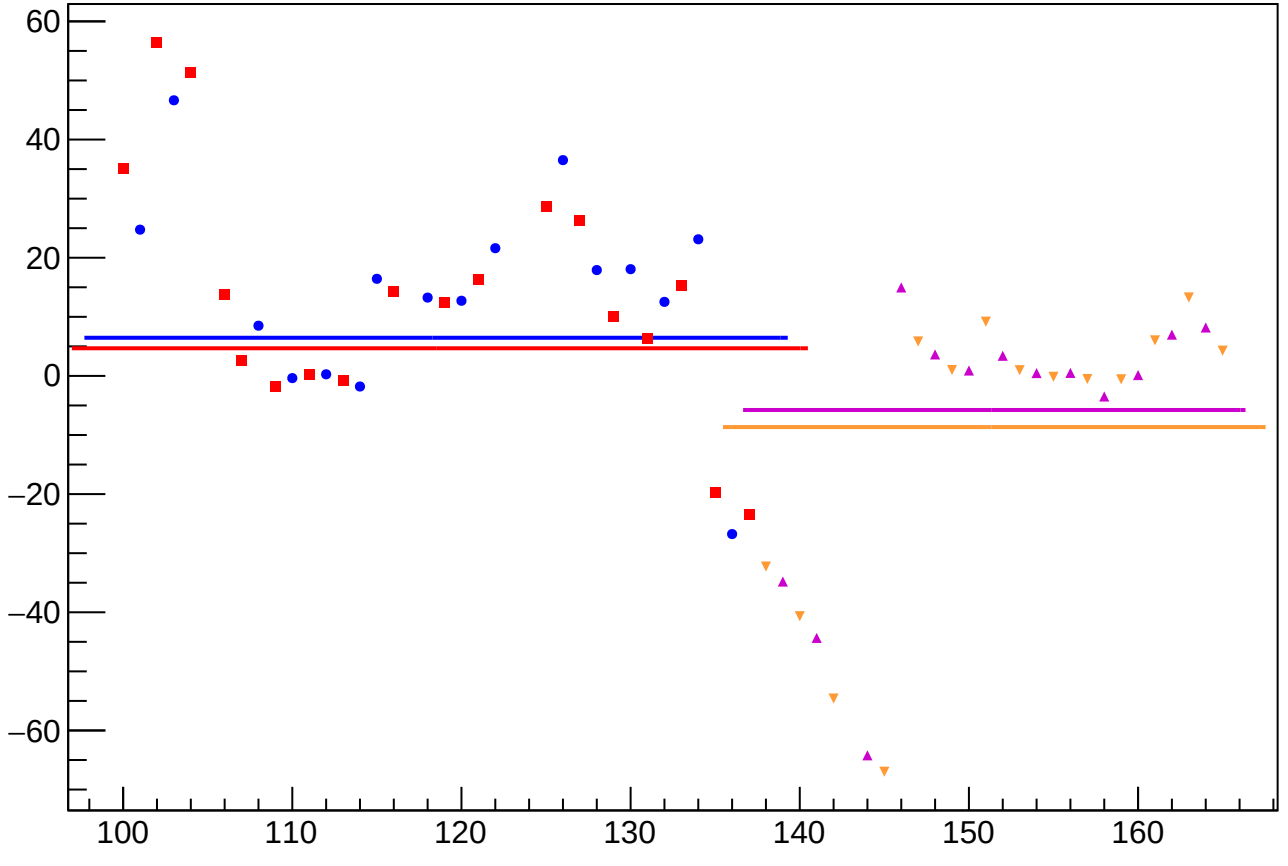
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.520+/-0.034 χ^2/NDF:9143.2/28

Out: 0.868+/-0.037 χ^2/NDF:5655.0/31

All: 0.678+/-0.025 χ^2/NDF: 14845.6/60

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -8.659+/-0.066 χ^2/NDF:102236.3/13

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -5.765+/-0.056 χ^2/NDF:113771.5/12

Left: -6.969+/-0.043 χ^2/NDF: 217114.8/26

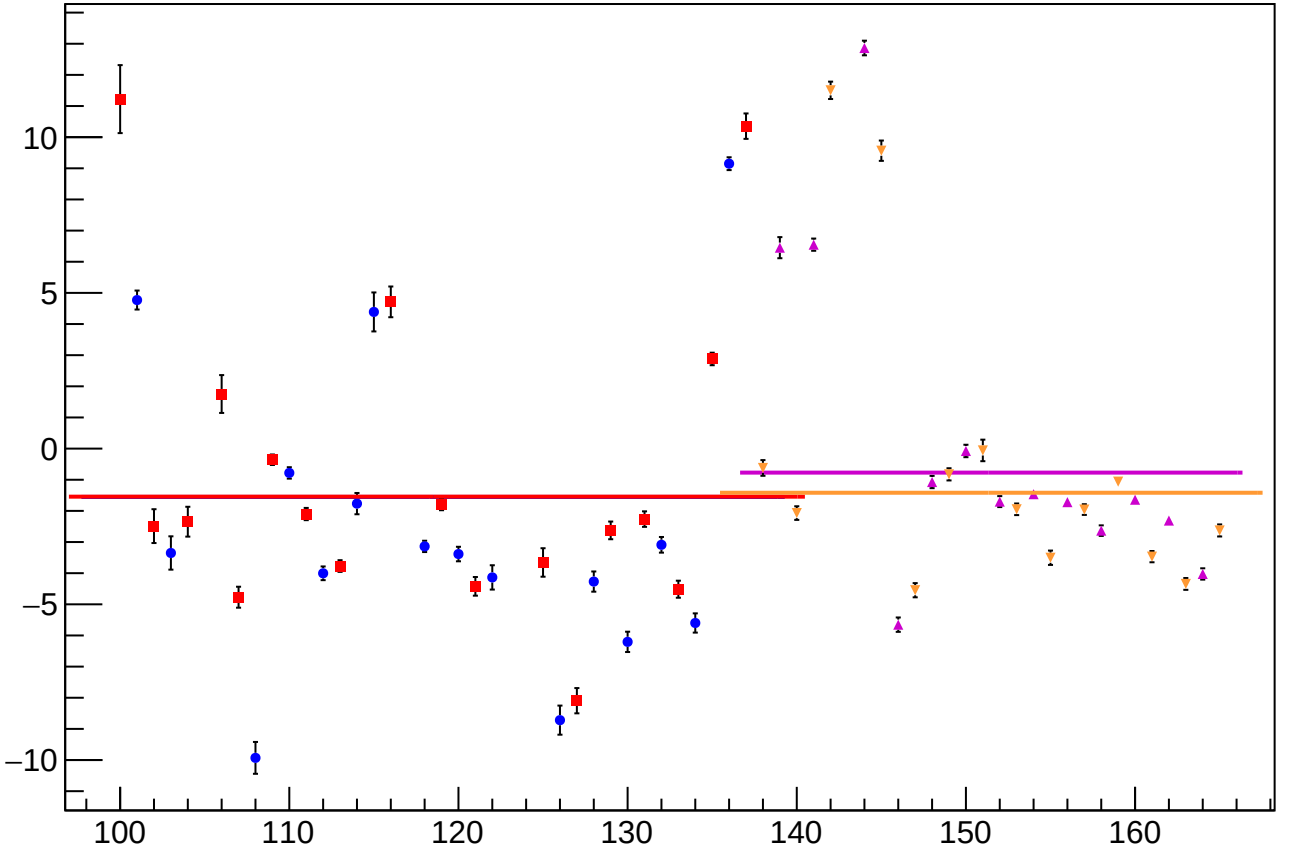
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.543+/-0.042 χ^2/NDF:204843.9/28

Out: -1.210+/-0.044 χ^2/NDF:199138.6/31

All: -0.864+/-0.031 χ^2/NDF: 404101.0/60

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: -1.417+/-0.056 χ^2/NDF:4020.1/13

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.771+/-0.047 χ^2/NDF:6374.8/12

Left: -1.038+/-0.036 χ^2/NDF: 10473.2/26

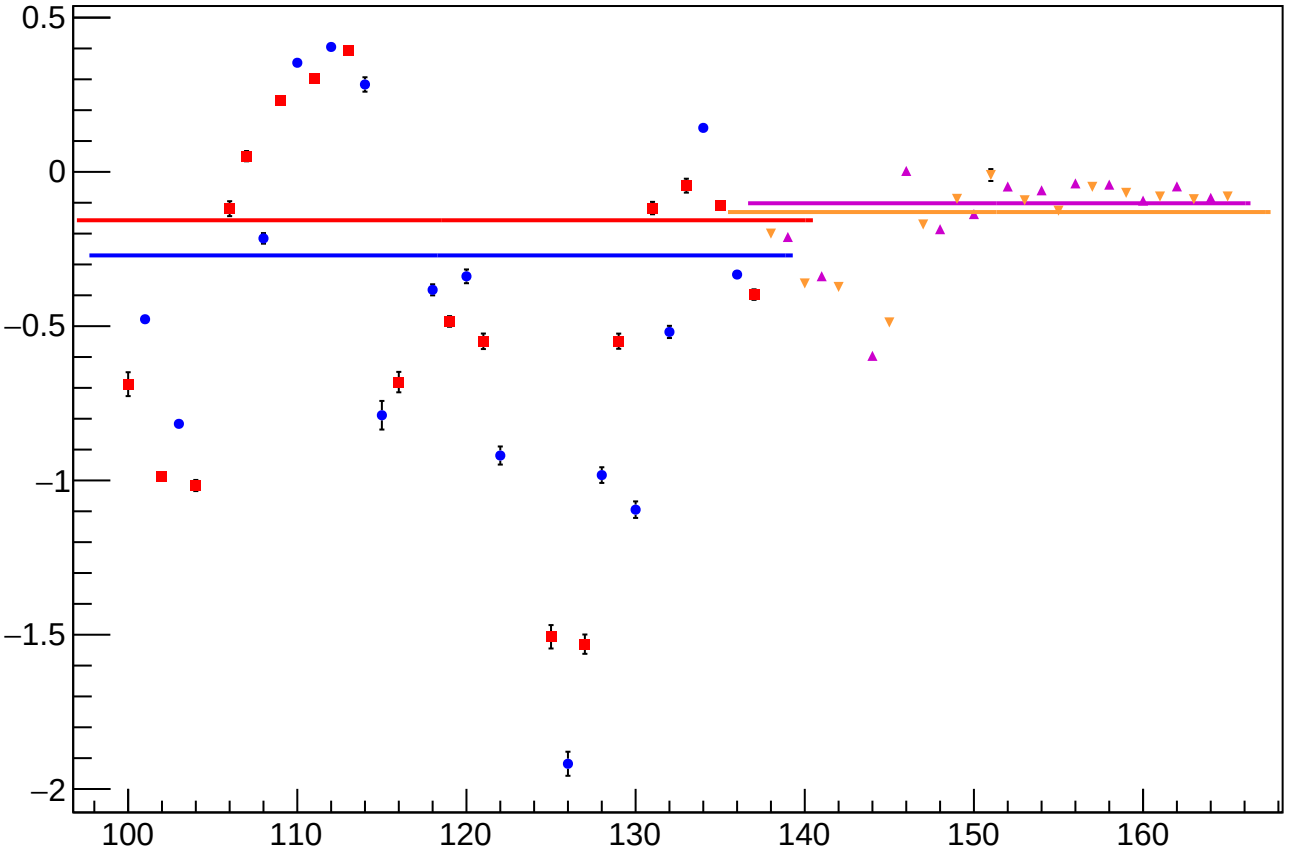
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.017+/-0.039 χ^2/NDF:11005.4/28

Out: -1.471+/-0.042 χ^2/NDF:6495.3/31

All: -1.225+/-0.029 χ^2/NDF: 17563.3/60

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: -0.130+/-0.002 χ^2/NDF:1985.1/13

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.3/12

Left: -0.113+/-0.002 χ^2/NDF: 5059.0/26

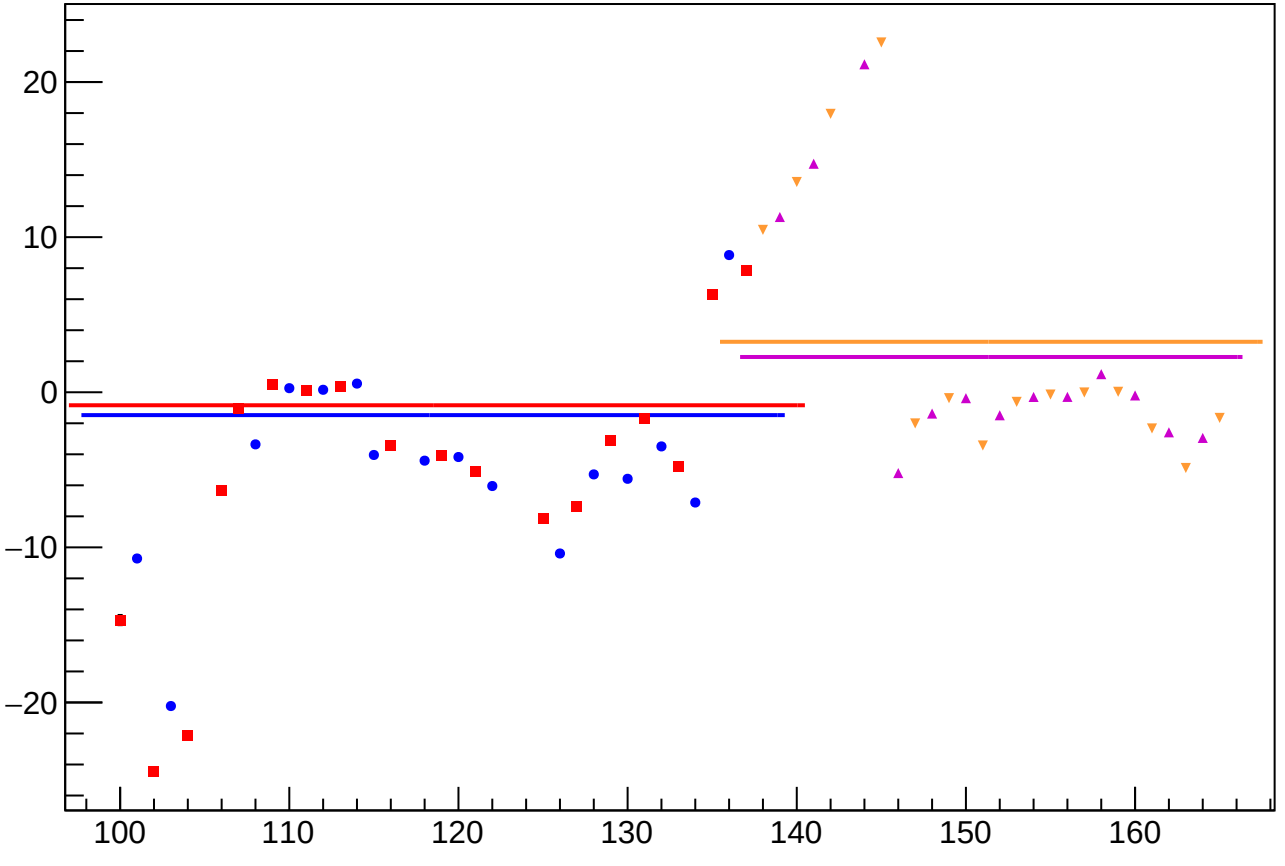
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.134+/-0.002 χ^2/NDF:16437.7/28

Out: -0.138+/-0.002 χ^2/NDF:17038.8/31

All: -0.136+/-0.001 χ^2/NDF: 33478.7/60

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: 3.254+/-0.023 χ^2/NDF:102700.0/13

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 2.274+/-0.020 χ^2/NDF:112336.7/12

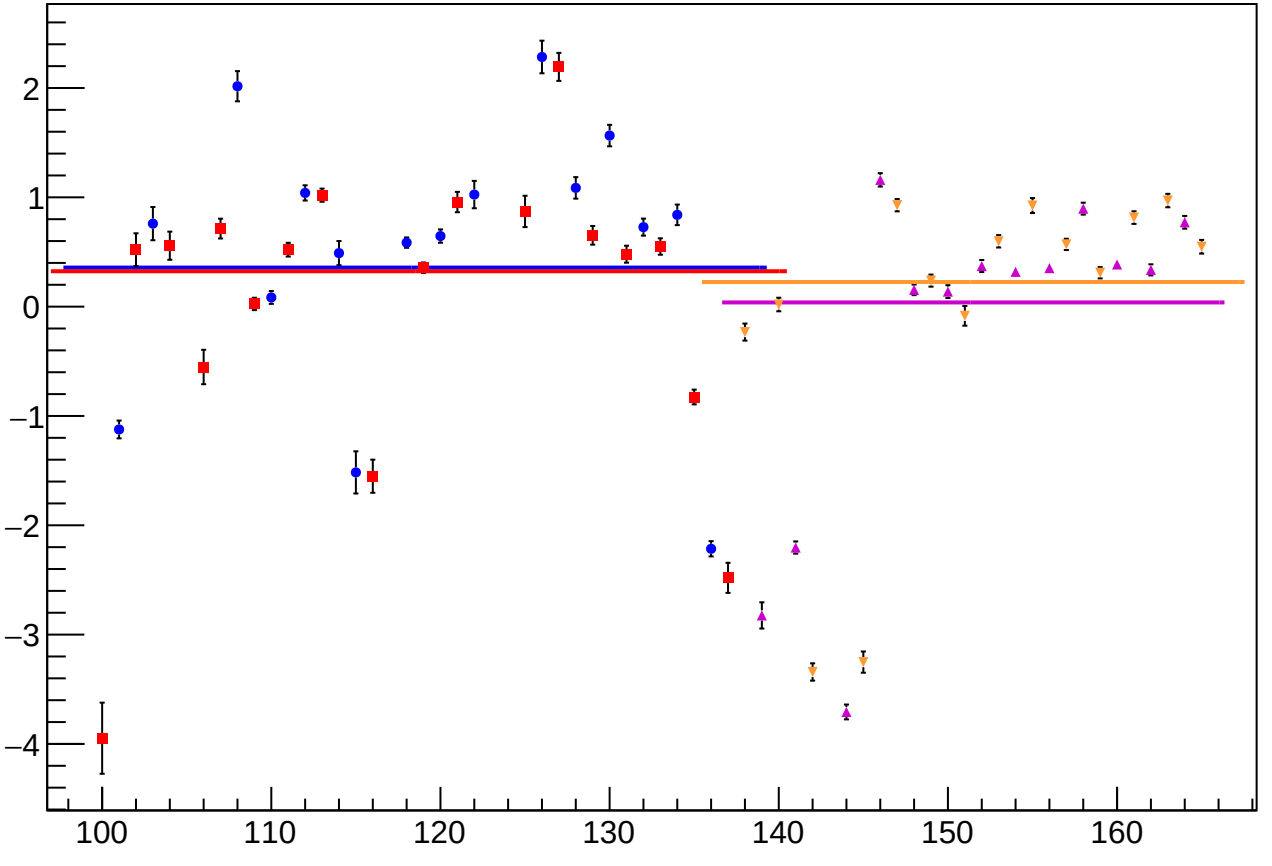
Left: 2.692+/-0.015 χ^2/NDF: 216036.1/26

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.255+/-0.014 χ^2/NDF:204518.1/28

Out: 0.464+/-0.013 χ^2/NDF:201455.7/31

All: 0.364+/-0.010 χ^2/NDF: 406093.4/60



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.226+/-0.017 χ^2/NDF:3997.2/13

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.039+/-0.014 χ^2/NDF:6223.1/12

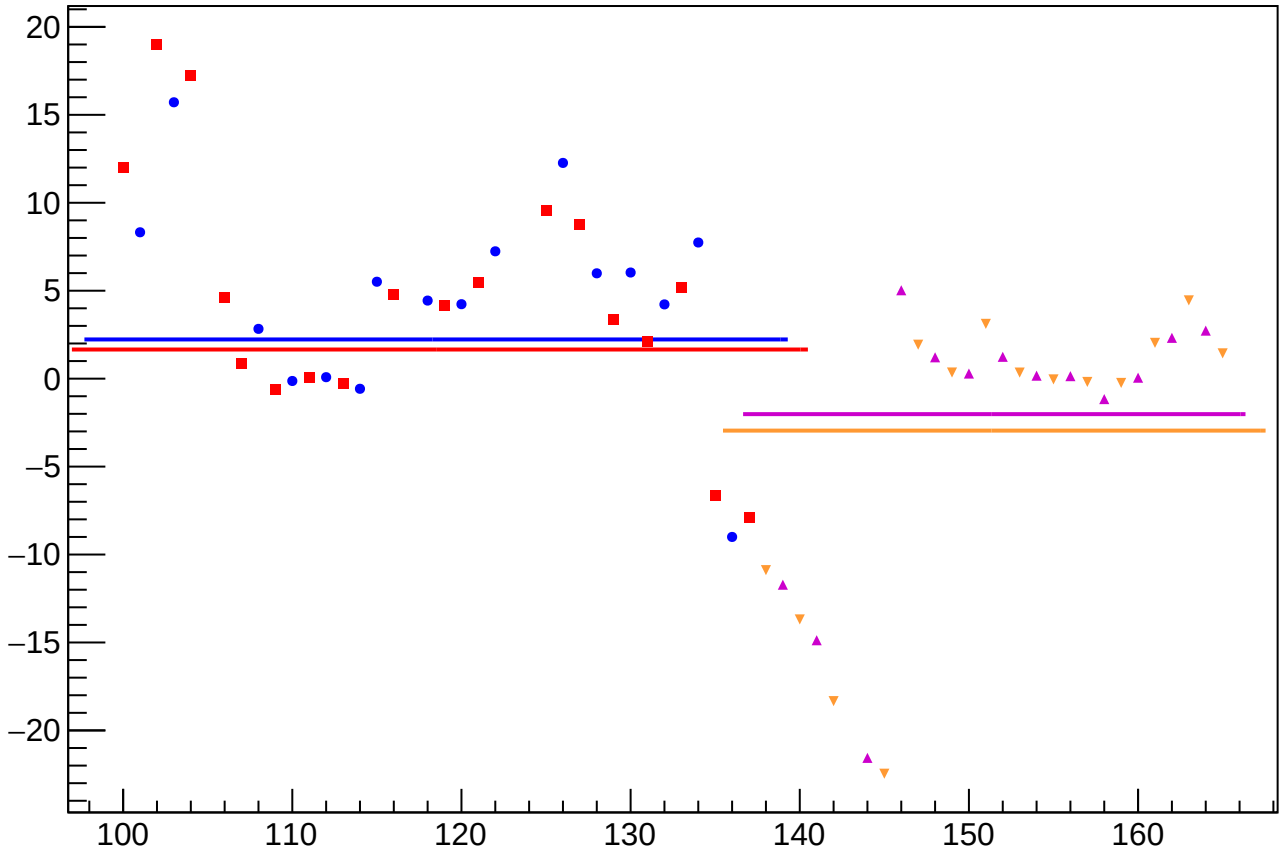
Left: 0.117+/-0.011 χ^2/NDF: 10292.4/26

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.142+/-0.012 χ^2/NDF:8928.3/28

Out: 0.267+/-0.013 χ^2/NDF:5570.6/31

All: 0.199+/-0.009 χ^2/NDF: 14550.9/60



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.953+/-0.023 χ^2/NDF:100435.0/13

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -2.017+/-0.019 χ^2/NDF:111221.8/12

Left: -2.411+/-0.015 χ^2/NDF: 212643.2/26

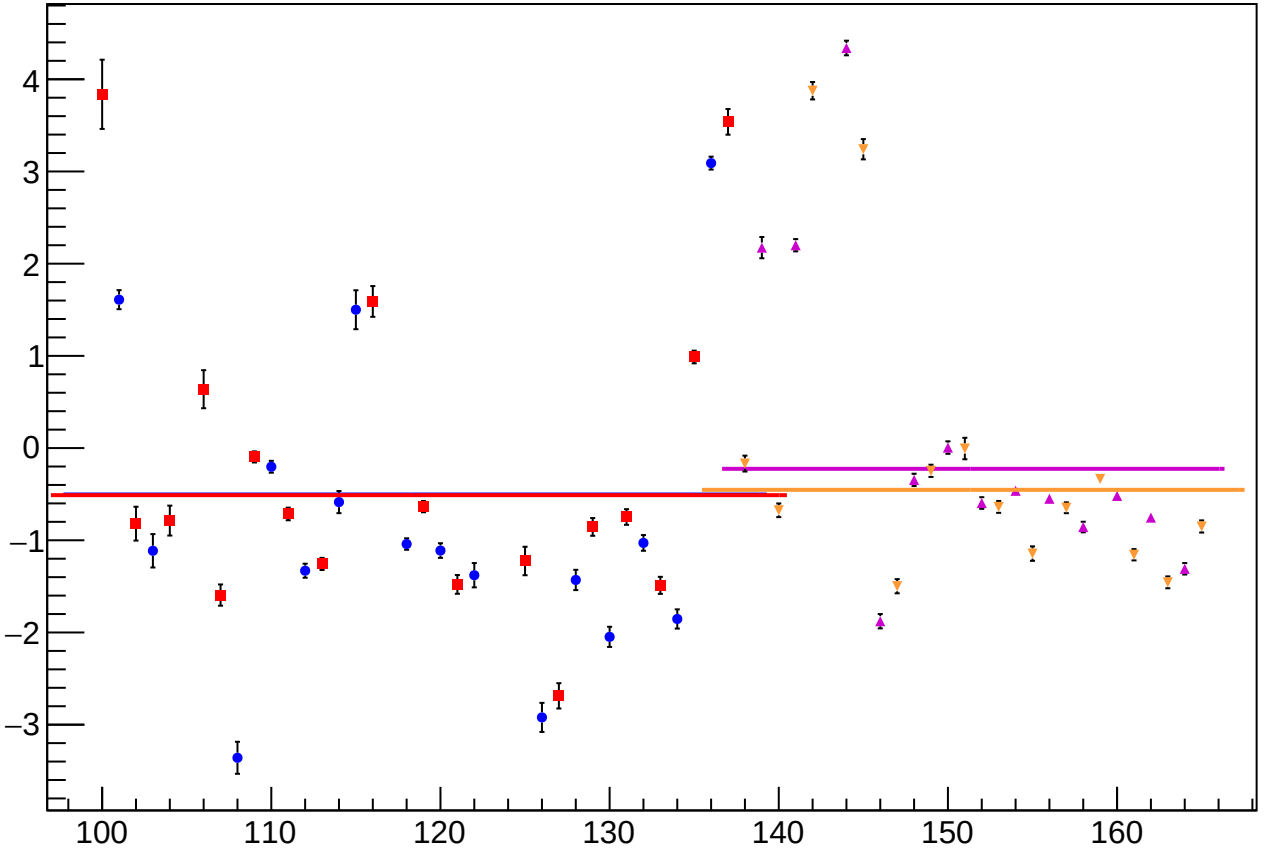
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.191+/-0.015 χ^2/NDF:201152.5/28

Out: -0.410+/-0.015 χ^2/NDF:196019.9/31

All: -0.296+/-0.011 χ^2/NDF: 397280.5/60

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: -0.453+/-0.019 χ^2/NDF:3971.0/13

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.225+/-0.016 χ^2/NDF:6216.3/12

Left: -0.320+/-0.012 χ^2/NDF: 10270.1/26

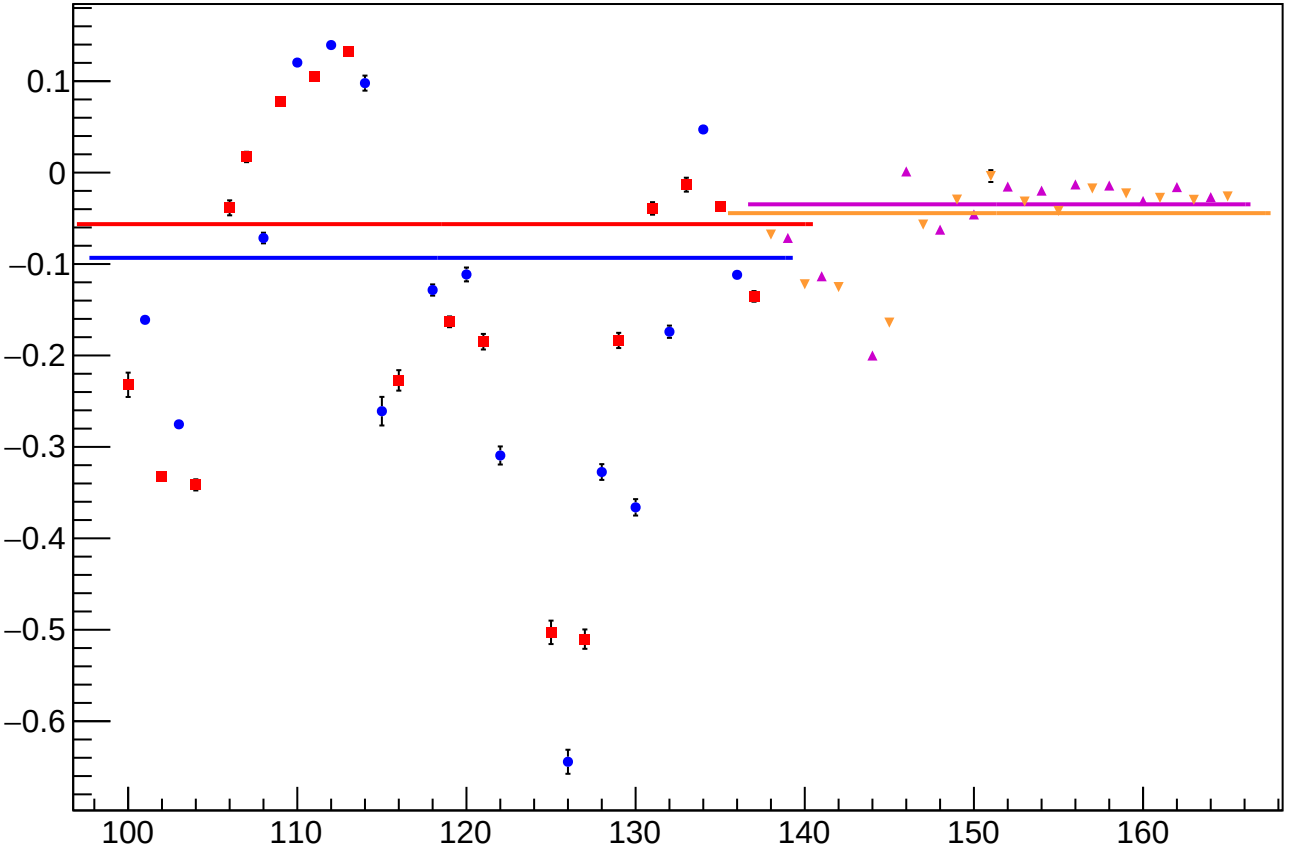
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.314+/-0.013 χ^2/NDF:10757.8/28

Out: -0.477+/-0.014 χ^2/NDF:6398.9/31

All: -0.389+/-0.010 χ^2/NDF: 17225.6/60

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: -0.044+/-0.001 χ^2/NDF:1945.3/13

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.035+/-0.001 χ^2/NDF:2923.5/12

Left: -0.039+/-0.001 χ^2/NDF: 4947.5/26

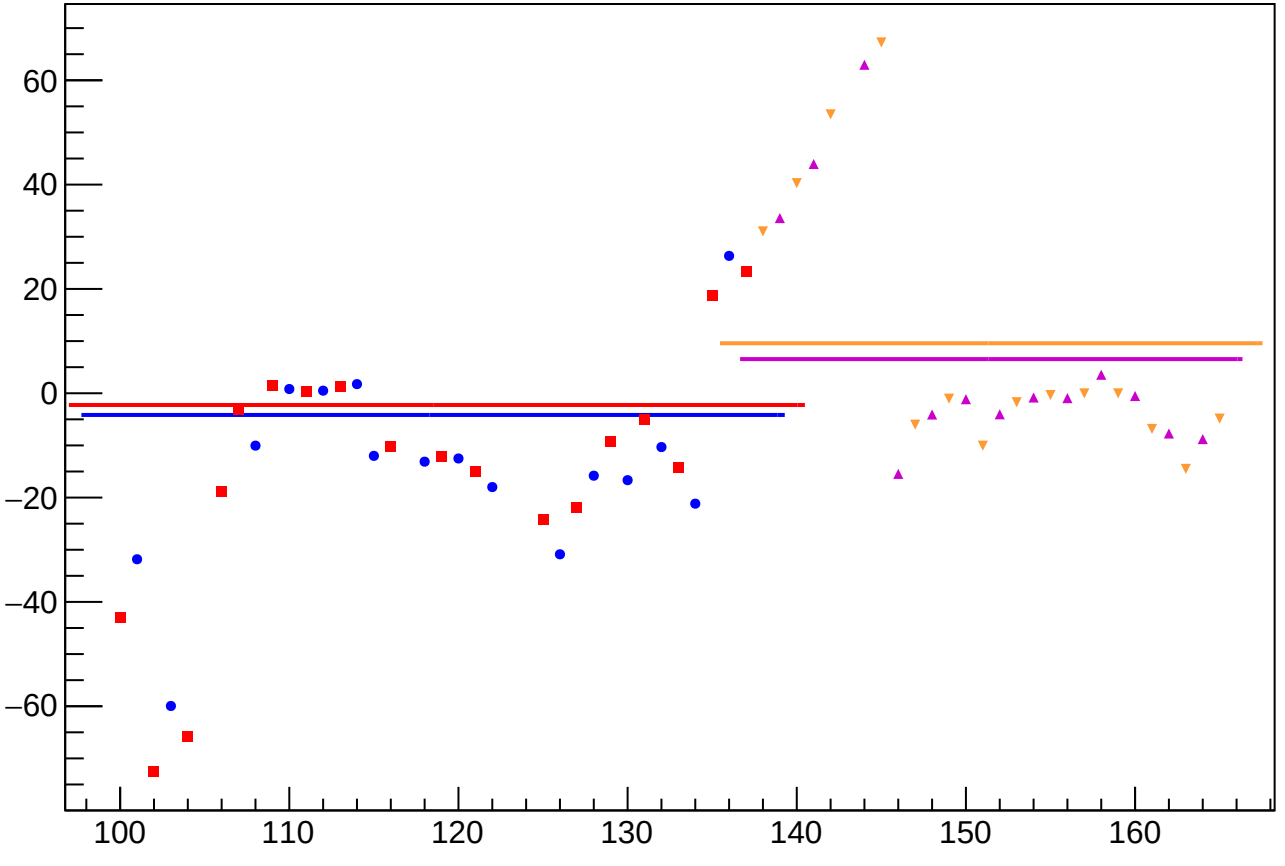
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.046+/-0.001 χ^2/NDF:16046.7/28

Out: -0.048+/-0.001 χ^2/NDF:16462.7/31

All: -0.047+/-0.000 χ^2/NDF: 32512.9/60

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: 9.584+/-0.069 χ^2/NDF:104557.0/13

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 6.550+/-0.059 χ^2/NDF:115029.2/12

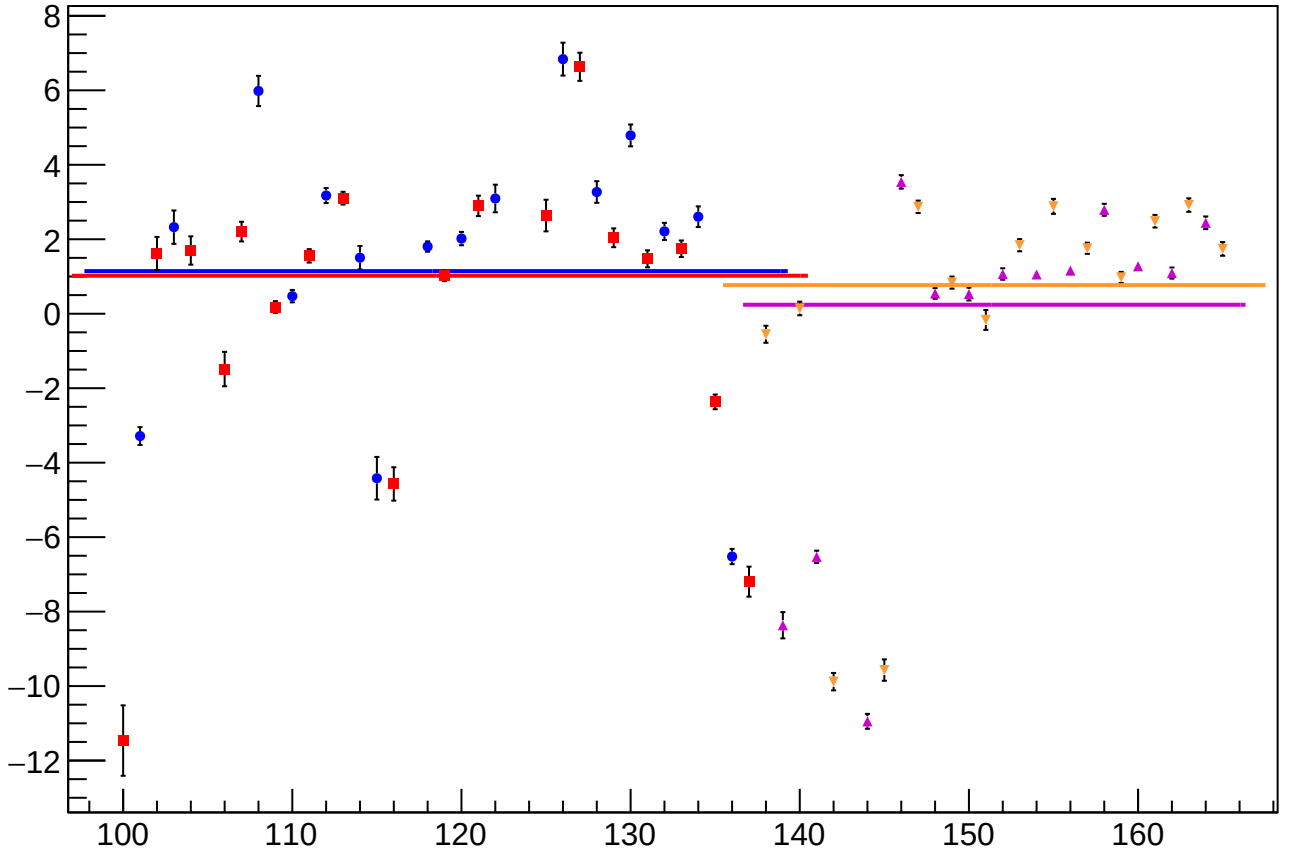
Left: 7.831+/-0.045 χ^2/NDF: 220712.8/26

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.783+/-0.040 χ^2/NDF:208346.8/28

Out: 1.408+/-0.038 χ^2/NDF:204693.4/31

All: 1.109+/-0.028 χ^2/NDF: 413168.3/60



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.769+/-0.049 χ^2/NDF:4049.9/13

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.241+/-0.041 χ^2/NDF:6399.9/12

Left: 0.459+/-0.032 χ^2/NDF: 10517.3/26

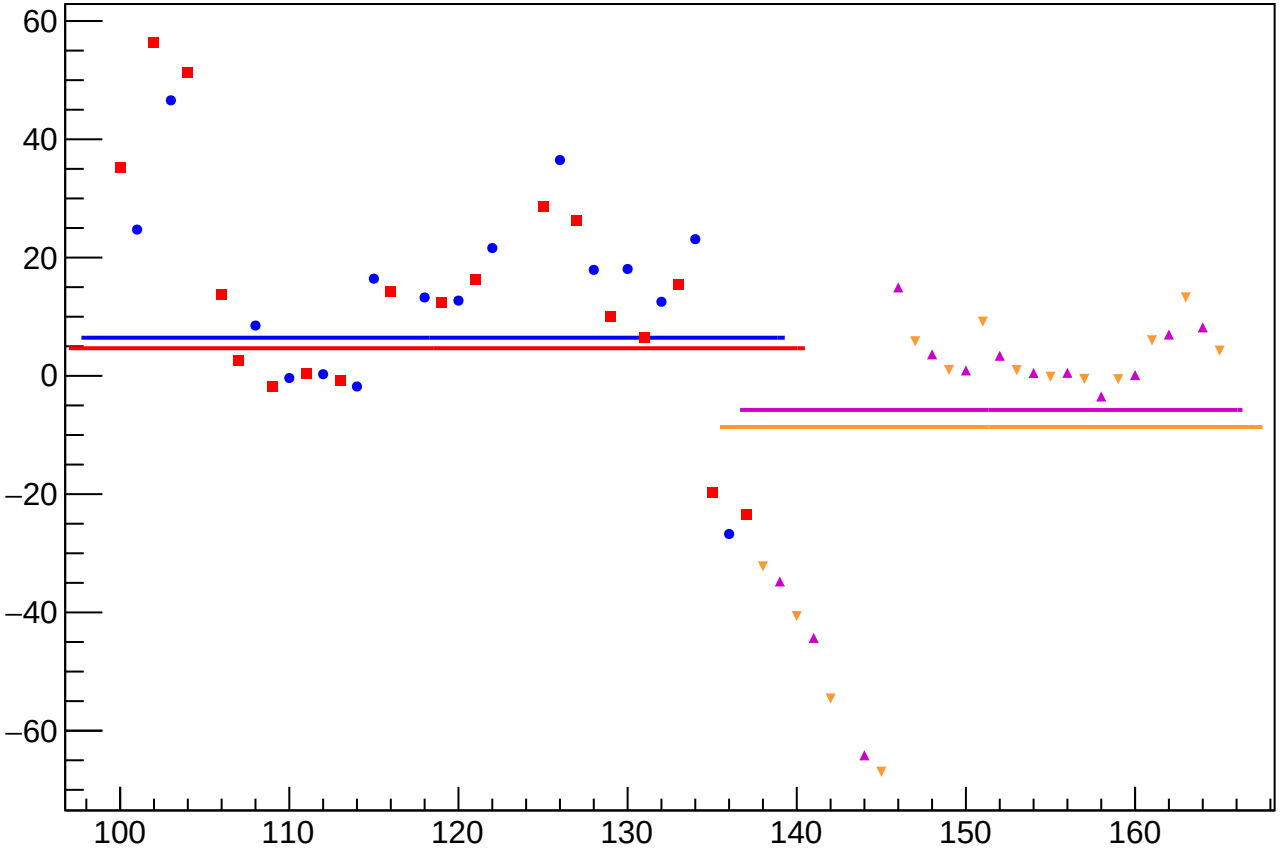
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.530+/-0.034 χ^2/NDF:9148.6/28

Out: 0.876+/-0.037 χ^2/NDF:5652.3/31

All: 0.688+/-0.025 χ^2/NDF: 14847.7/60

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -8.651+/-0.066 χ^2/NDF:102217.9/13

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -5.757+/-0.056 χ^2/NDF:113782.6/12

Left: -6.961+/-0.043 χ^2/NDF: 217109.1/26

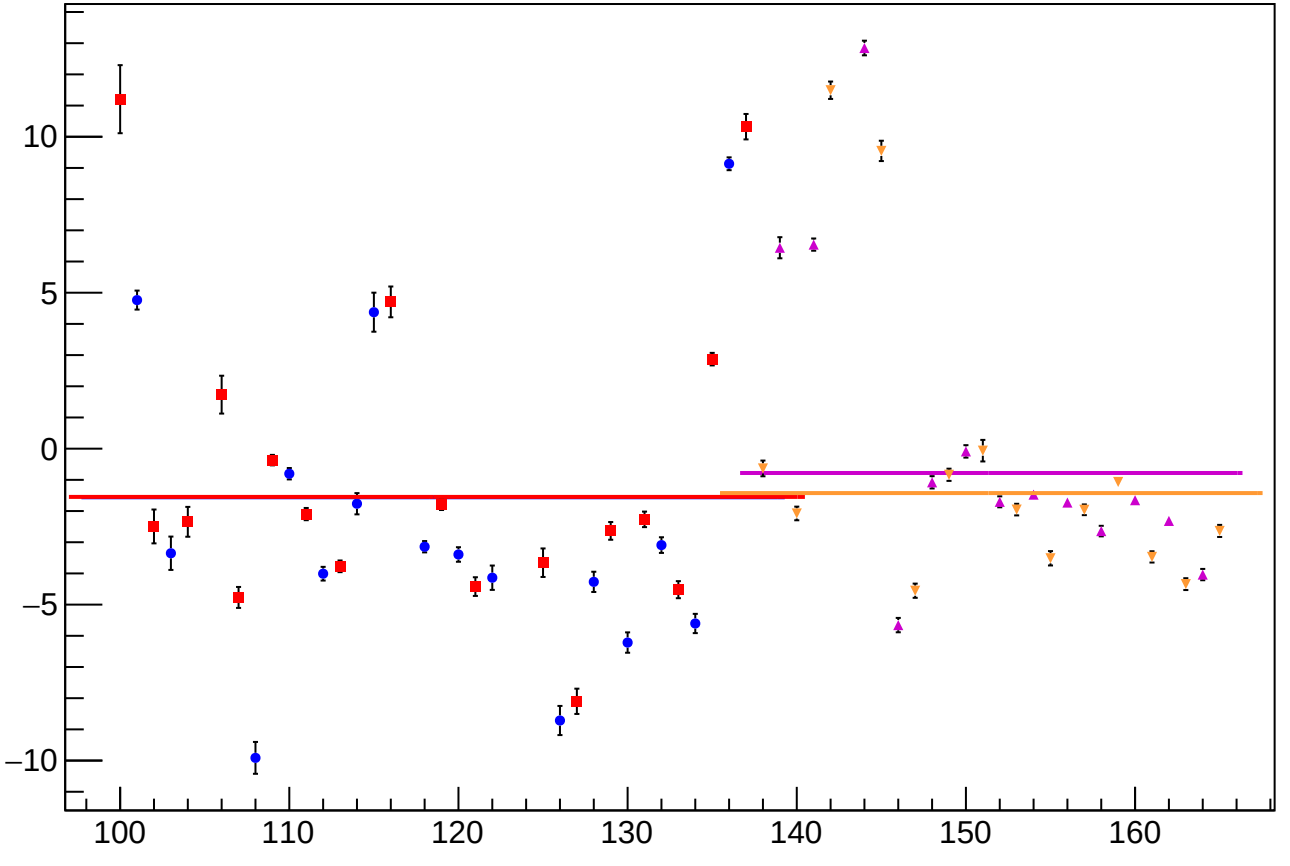
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.542+/-0.042 χ^2/NDF:204858.5/28

Out: -1.207+/-0.044 χ^2/NDF:199124.0/31

All: -0.861+/-0.031 χ^2/NDF: 404100.7/60

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: -1.424+/-0.056 χ^2/NDF:4018.8/13

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.780+/-0.047 χ^2/NDF:6379.9/12

Left: -1.046+/-0.036 χ^2/NDF: 10476.4/26

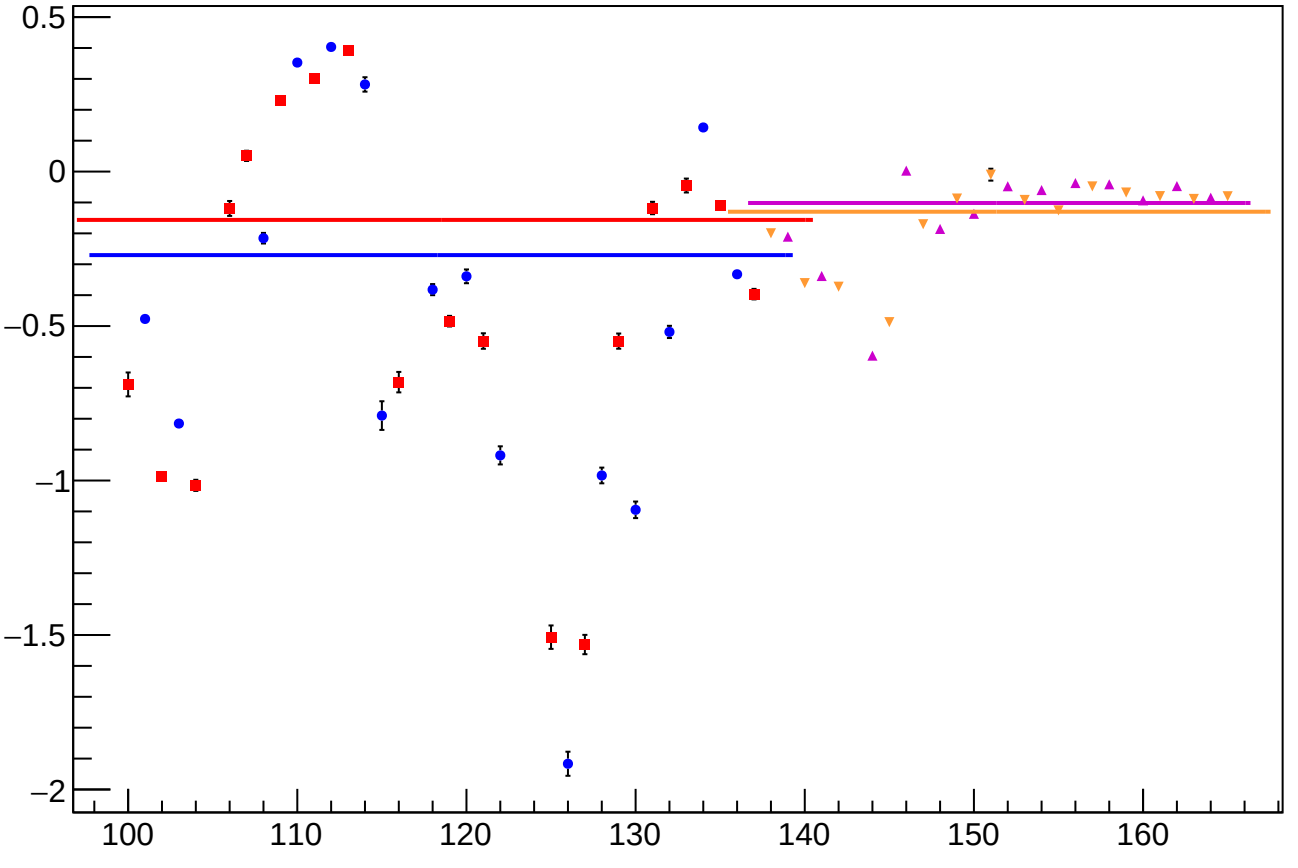
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.025+/-0.039 χ^2/NDF:11009.6/28

Out: -1.477+/-0.042 χ^2/NDF:6490.9/31

All: -1.232+/-0.029 χ^2/NDF: 17562.4/60

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: -0.130+/-0.002 χ^2/NDF:1985.6/13

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.1/12

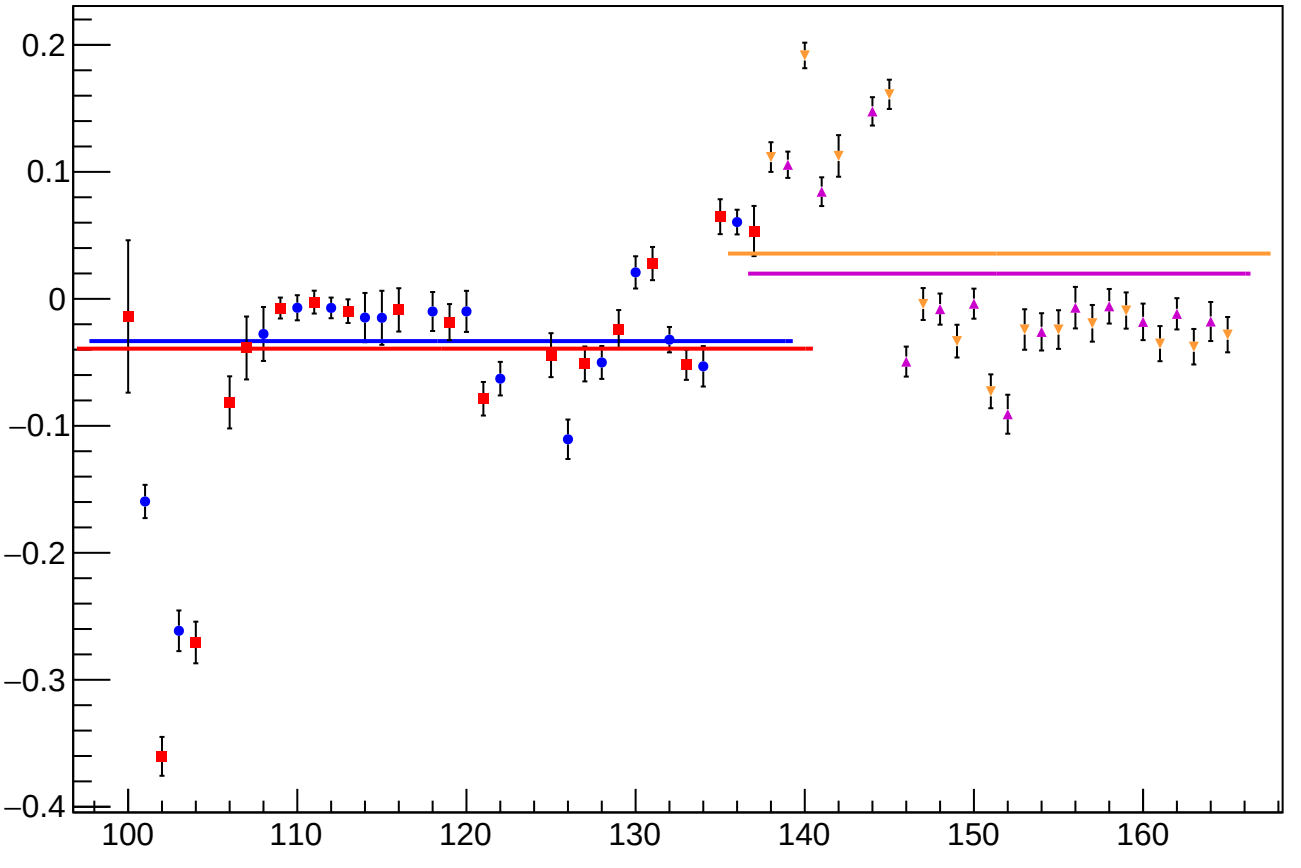
Left: -0.113+/-0.002 χ^2/NDF: 5058.4/26

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.134+/-0.002 χ^2/NDF:16435.9/28

Out: -0.138+/-0.002 χ^2/NDF:17050.1/31

All: -0.136+/-0.001 χ^2/NDF: 33488.1/60



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.036+/-0.004 χ^2/NDF:656.4/13

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.020+/-0.004 χ^2/NDF:363.1/12

Left: 0.028+/-0.003 χ^2/NDF: 1029.4/26

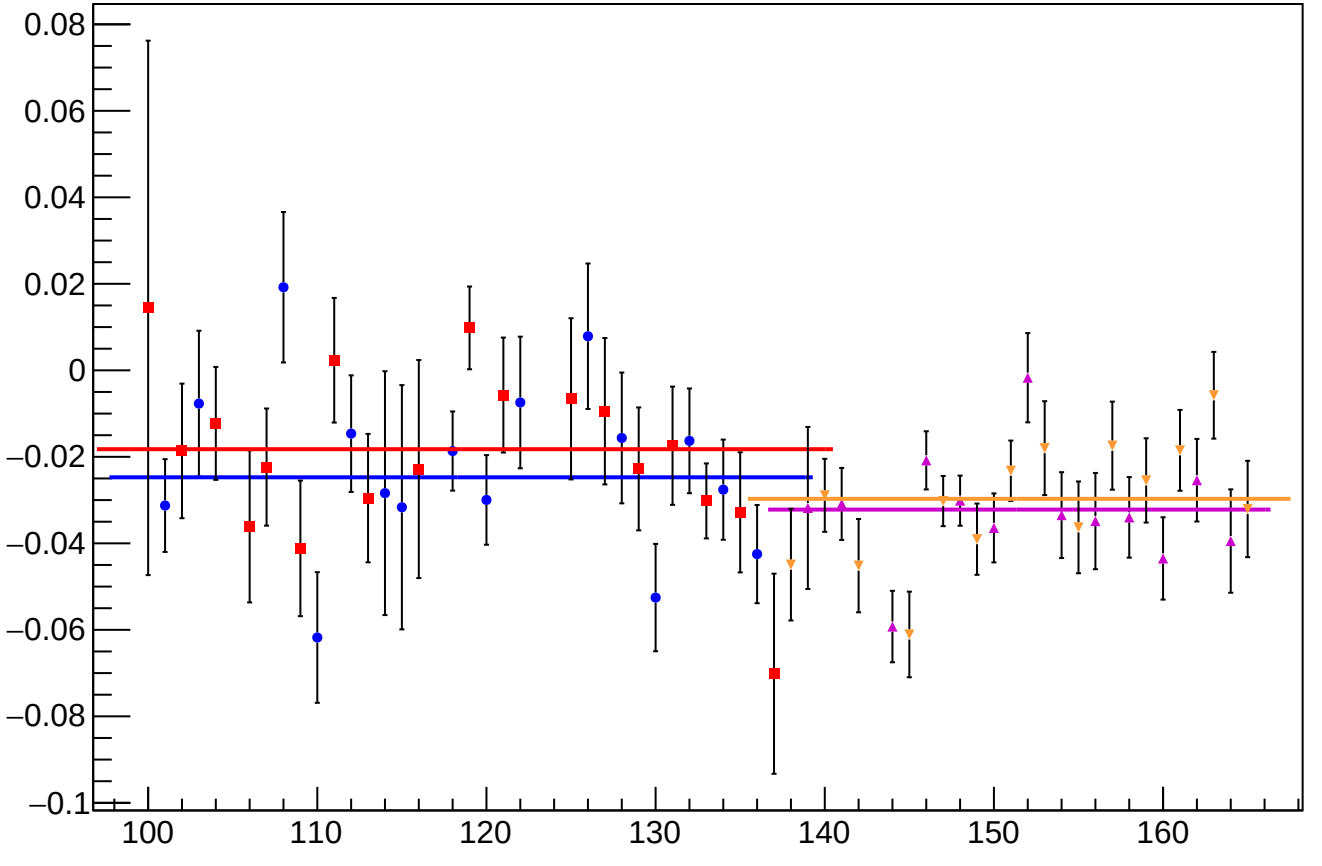
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:950.1/28

Out: -0.006+/-0.002 χ^2/NDF:1711.5/31

All: -0.007+/-0.002 χ^2/NDF: 2662.7/60

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.030+/-0.002 χ^2/NDF:26.0/13

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.002 χ^2/NDF:25.2/12

Left: -0.031+/-0.002 χ^2/NDF: 51.7/26

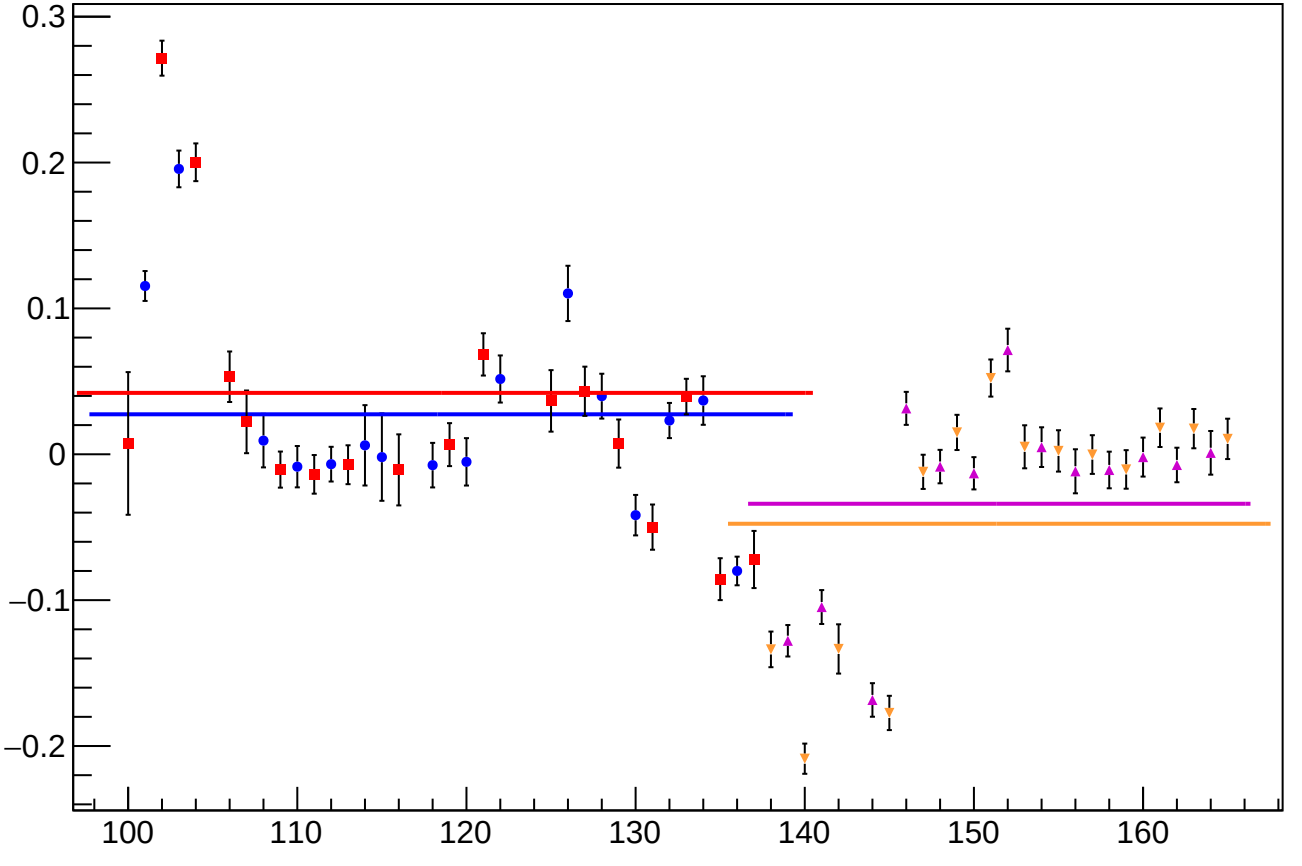
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.030+/-0.002 χ^2/NDF:57.0/28

Out: -0.026+/-0.002 χ^2/NDF:58.3/31

All: -0.028+/-0.001 χ^2/NDF: 117.1/60

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: -0.048+/-0.003 χ^2/NDF:649.1/13

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.034+/-0.003 χ^2/NDF:373.4/12

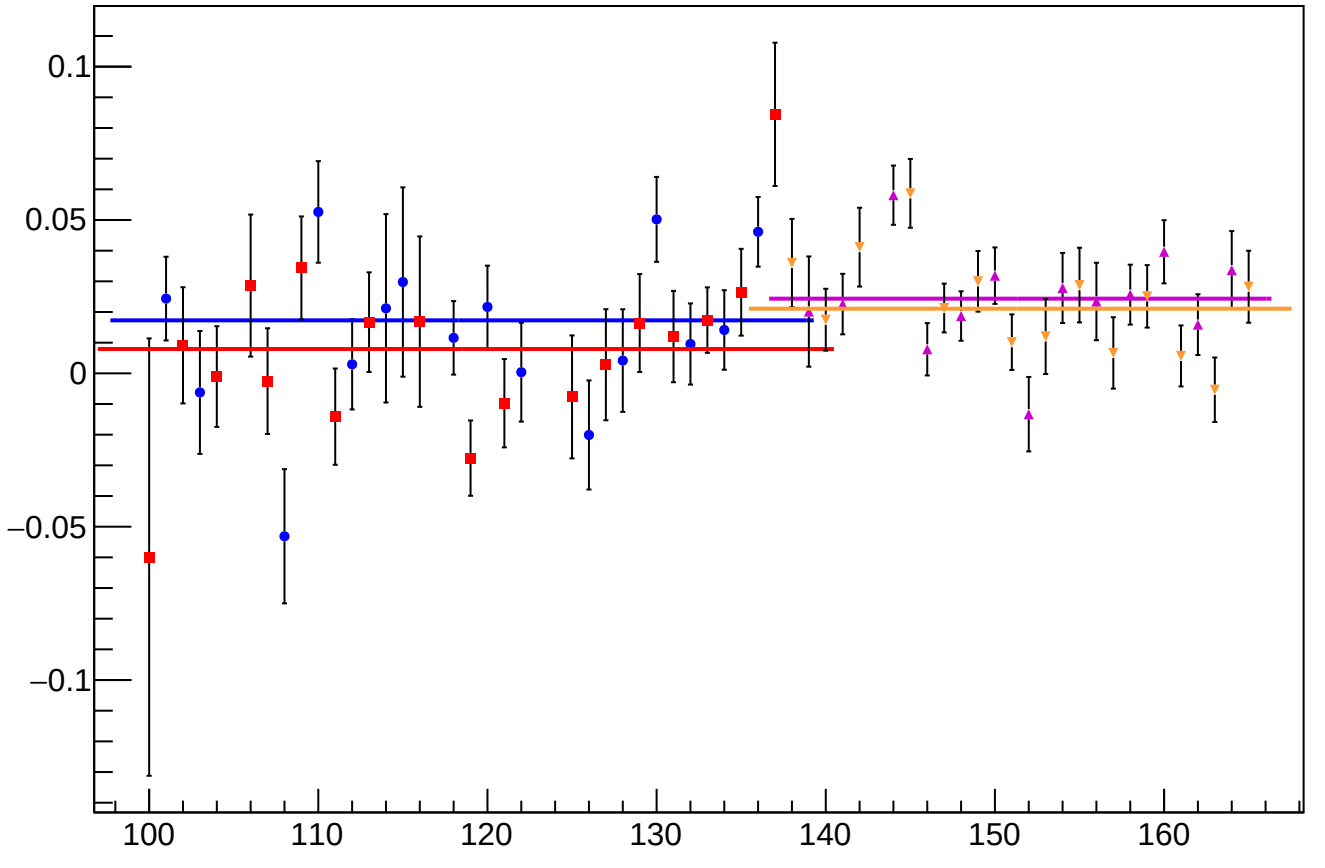
Left: -0.041+/-0.002 χ^2/NDF: 1030.5/26

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.002 χ^2/NDF:972.9/28

Out: -0.005+/-0.002 χ^2/NDF:1703.5/31

All: -0.005+/-0.002 χ^2/NDF: 2676.5/60



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.021+/-0.003 χ^2/NDF:28.9/13

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:30.4/12

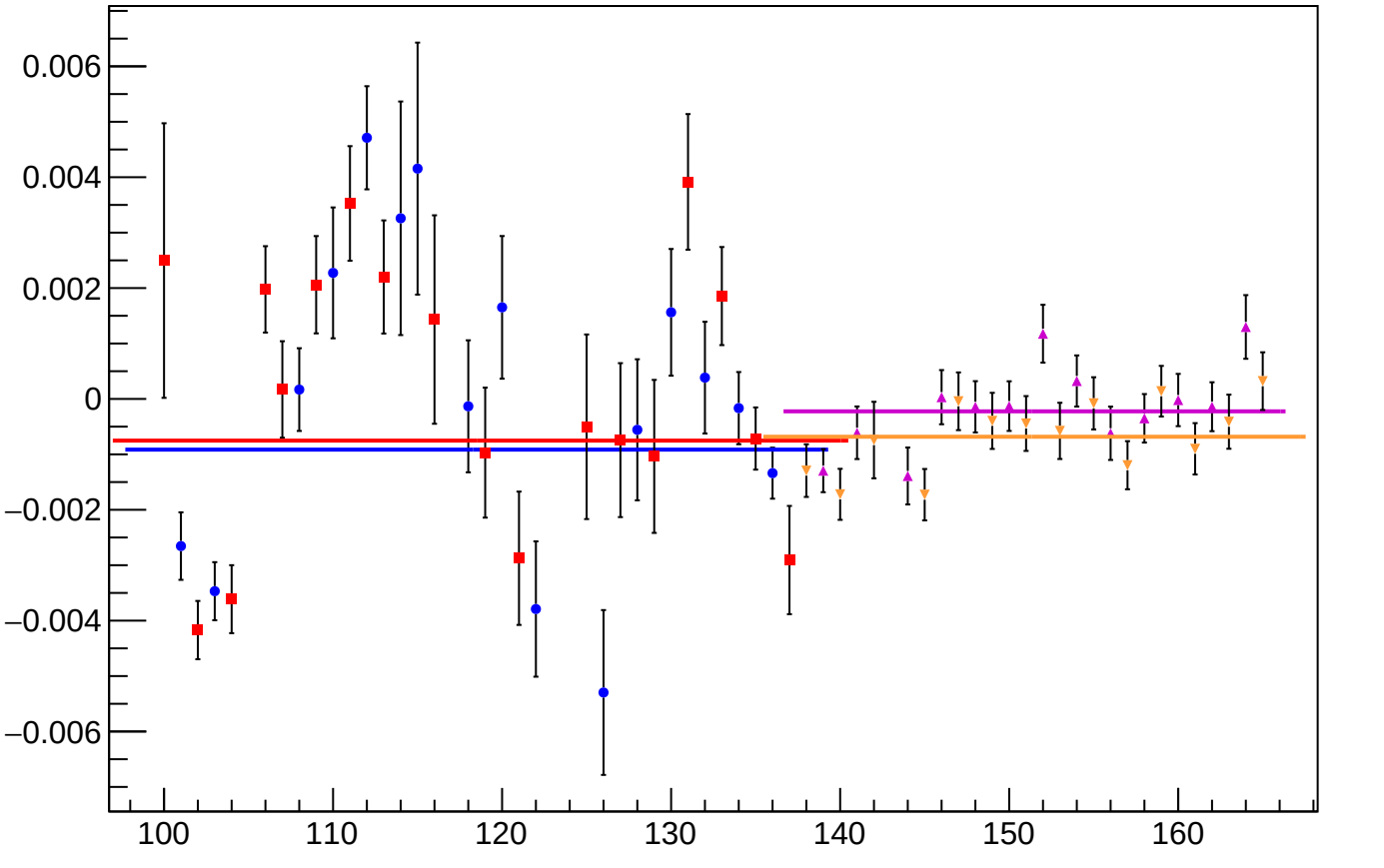
Left: 0.023+/-0.002 χ^2/NDF: 59.9/26

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

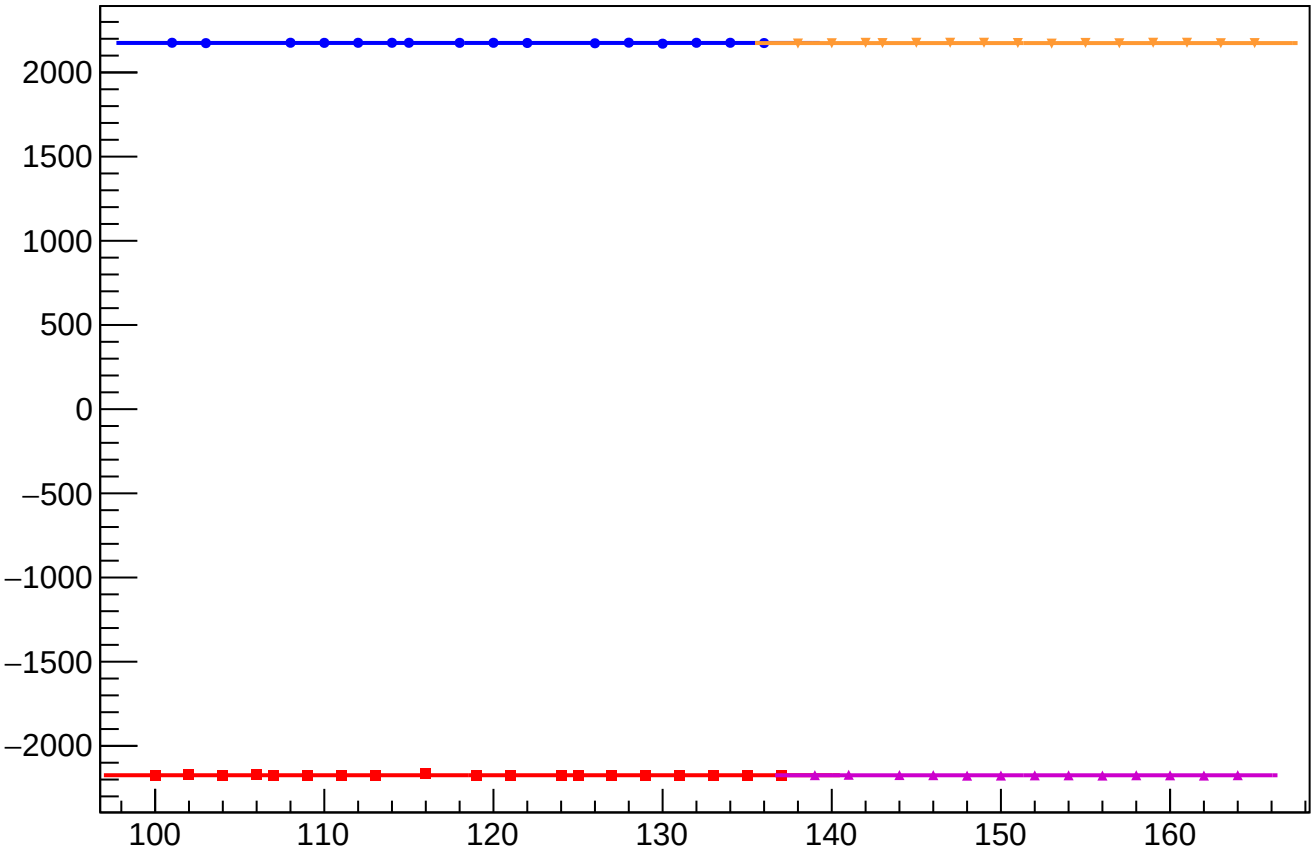
In: 0.022+/-0.002 χ^2/NDF:69.3/28

Out: 0.017+/-0.002 χ^2/NDF:67.7/31

All: 0.019+/-0.002 χ^2/NDF: 139.6/60


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
160
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:24.5/13
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.000+/-0.000 χ²/NDF:30.4/12
Left: -0.000+/-0.000 χ²/NDF: 61.0/26
Right: -0.001+/-0.000 χ²/NDF: 261.9/33
In: -0.000+/-0.000 χ²/NDF:152.2/28
Out: -0.001+/-0.000 χ²/NDF:172.1/31
All: -0.001+/-0.000 χ²/NDF: 327.7/60

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.413+/-0.000 χ^2/NDF:34869498576192777014324081700372 48.0/14

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.607+/-0.000 χ^2/NDF:244752982718112118764328668941 5168.0/12

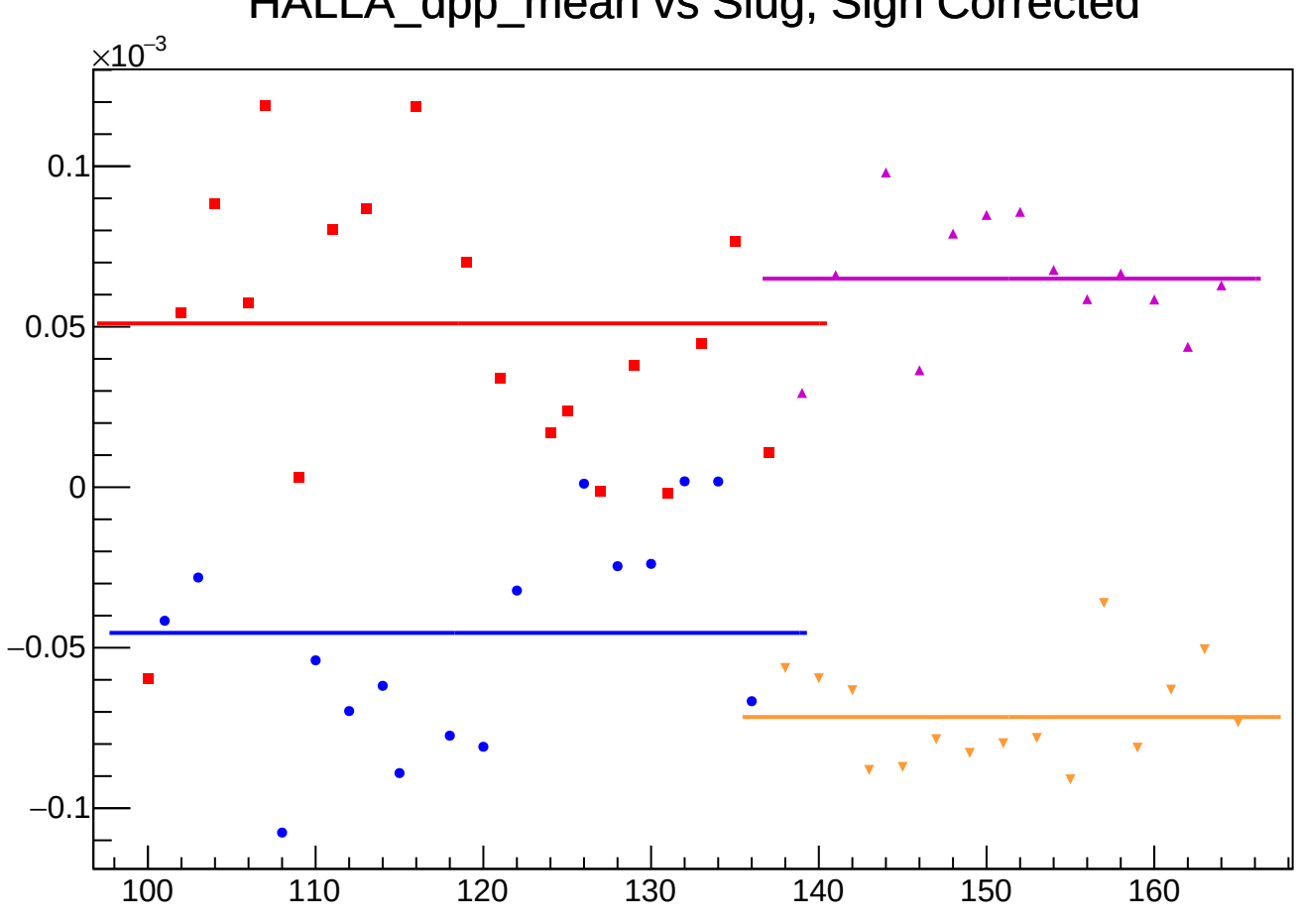
Left: 86.957+/-0.000 χ^2/NDF: 1120273787934703

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

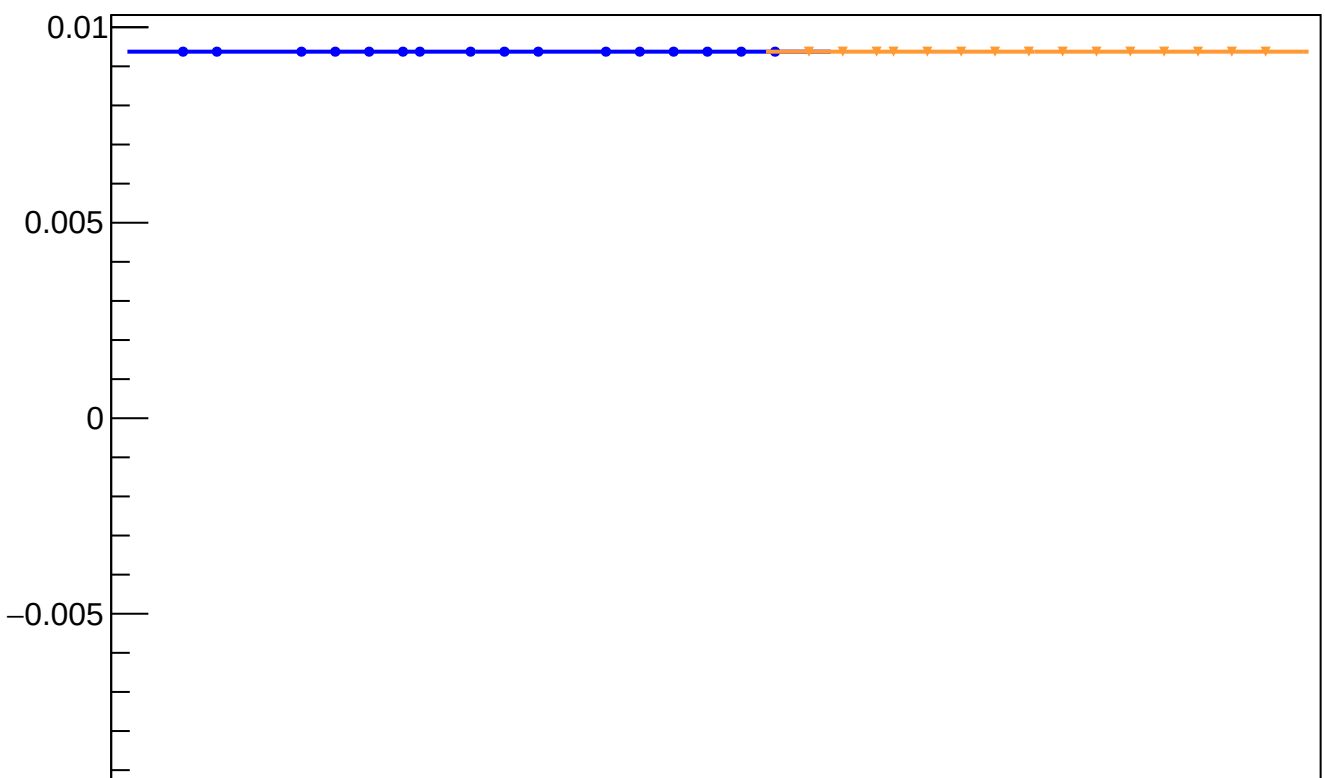
In: -460.135+/-0.000 χ^2/NDF:8494238802516002

Out: 512.878+/-0.000 χ^2/NDF:8916374995717410

All: 41.053+/-0.000 χ^2/NDF: 183274184919


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
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2955446904486613787607040.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:42398291085118511513600 0.0/12
Left: -0.000+/-0.000 χ²/NDF: 11767633899017545
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:6605372677310522303
Out: -0.000+/-0.000 χ²/NDF:83967563485044440
All: -0.000+/-0.000 χ²/NDF: 1707125524801

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:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 208230187262957619

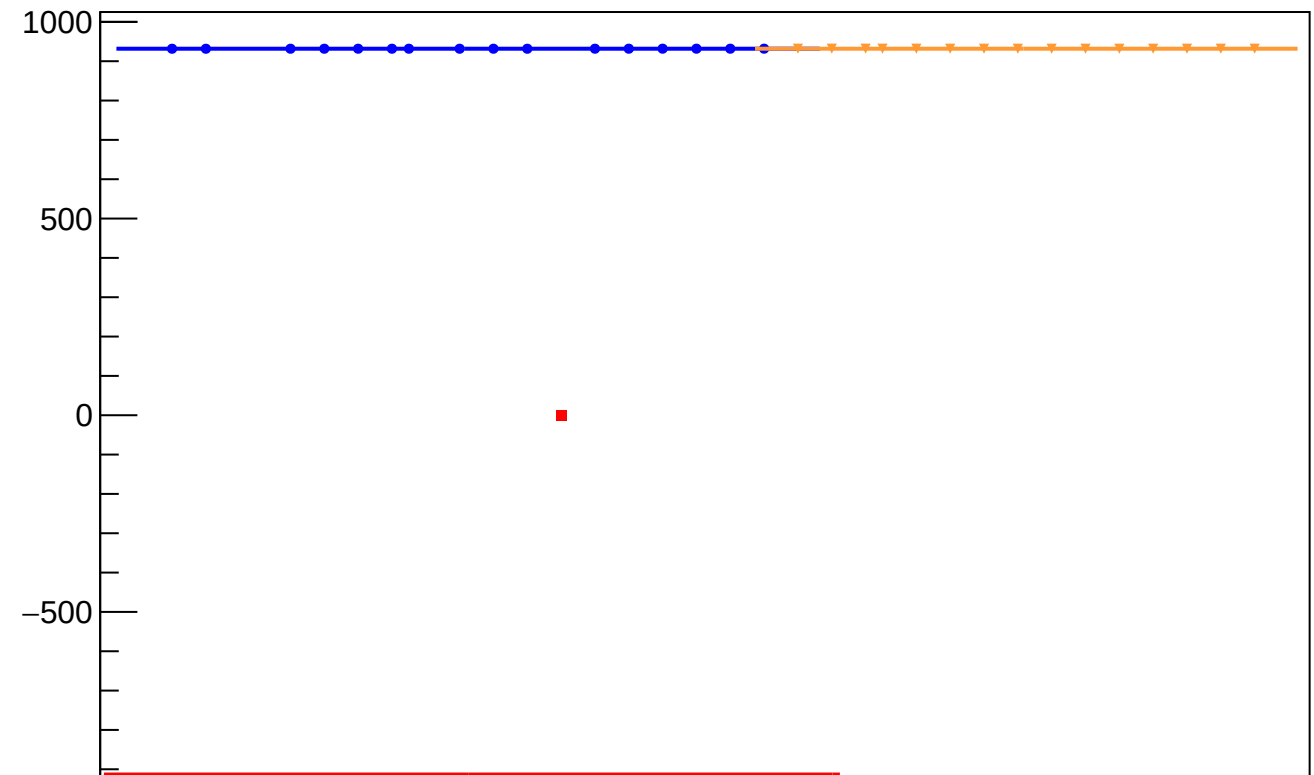
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34063114602140

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:4146050279758298861115919040512.0/14

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.772+/-0.000 χ^2/NDF:3634465377300847346178917924864.0/12

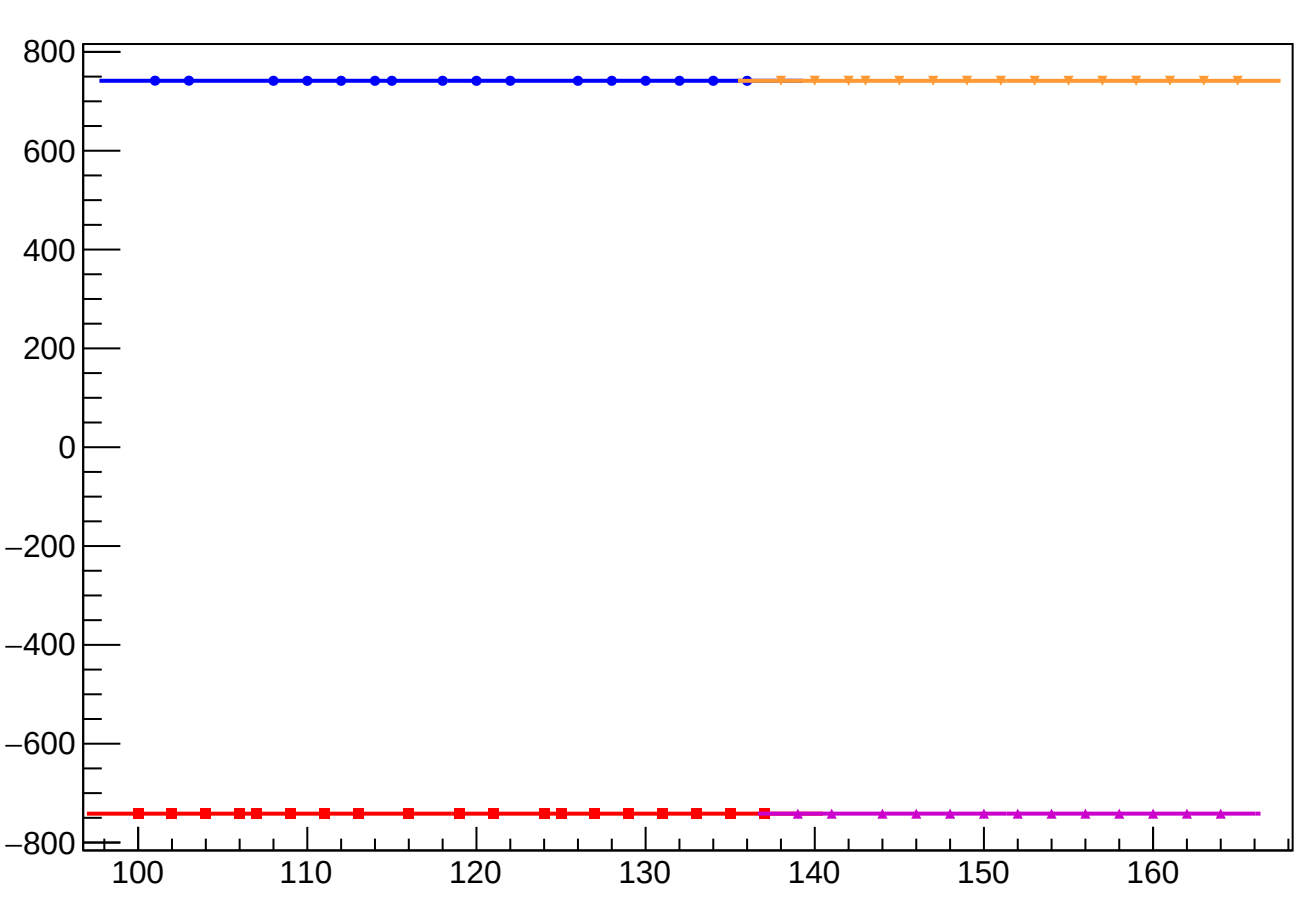
Left: 37.309+/-0.000 χ^2/NDF: 20569632667420312

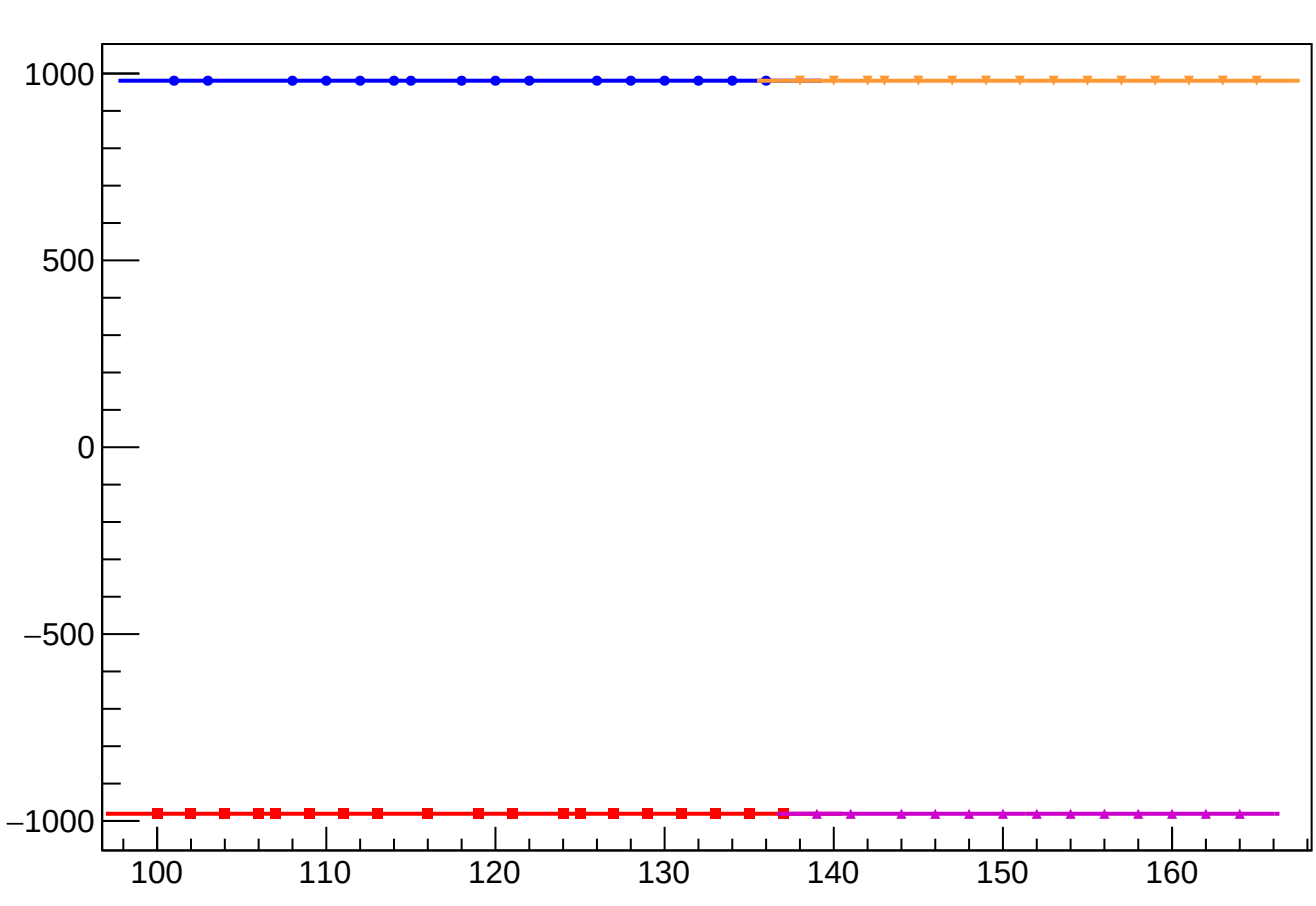
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -197.259+/-0.000 χ^2/NDF:1559057730700571

Out: 226.771+/-0.000 χ^2/NDF:1618092568181078

All: 21.154+/-0.000 χ^2/NDF: 3351264777166


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.516+/-0.000 χ²/NDF:140510256325326569626132283392.0/14
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.517+/-0.000 χ²/NDF:11895928605228637241722116505 6.0/12
Left: 29.685+/-0.000 χ²/NDF: 1302695232587812
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -156.960+/-0.000 χ²/NDF:9874532246403537
Out: 174.866+/-0.000 χ²/NDF:1037047029748931
All: 13.960+/-0.000 χ²/NDF: 2131126027351



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.772+/-0.000 χ^2/NDF:6381343981725891903437123092480/14

Right Out: -980.725+/-0.000 χ^2/NDF: 56040205617358336221662876270592/18

Left In: -980.782+/-0.000 χ^2/NDF:12295286615767993684455870955520/12

Left: 39.259+/-0.000 χ^2/NDF: 22789844417771847

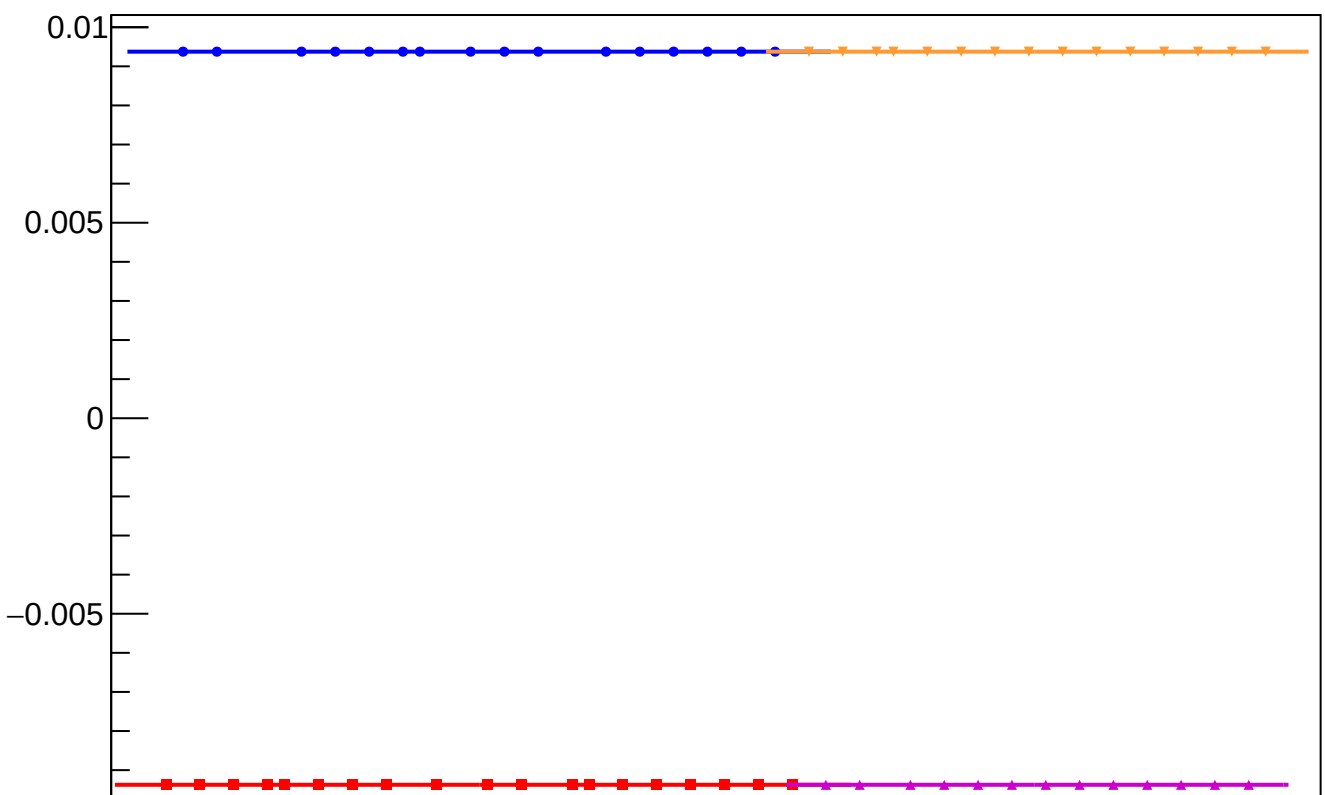
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -207.625+/-0.000 χ^2/NDF:1727422359585712

Out: 231.337+/-0.000 χ^2/NDF:1813997533795720

All: 18.479+/-0.000 χ^2/NDF: 372801180632

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:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 208230187262957619

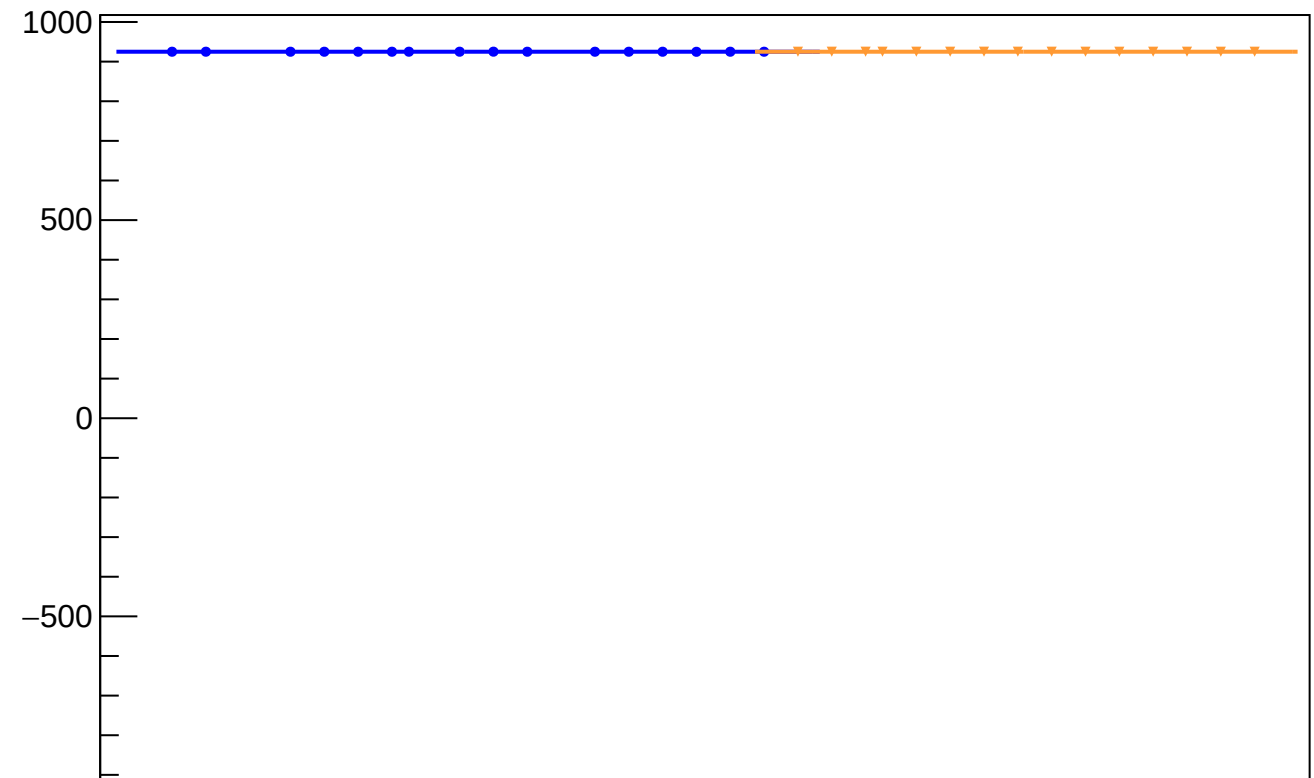
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34063114602140

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.987+/-0.000 χ^2/NDF:824099074881441634902360457216.0/14

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.989+/-0.000 χ^2/NDF:66025080906179758112728783257 6.0/12

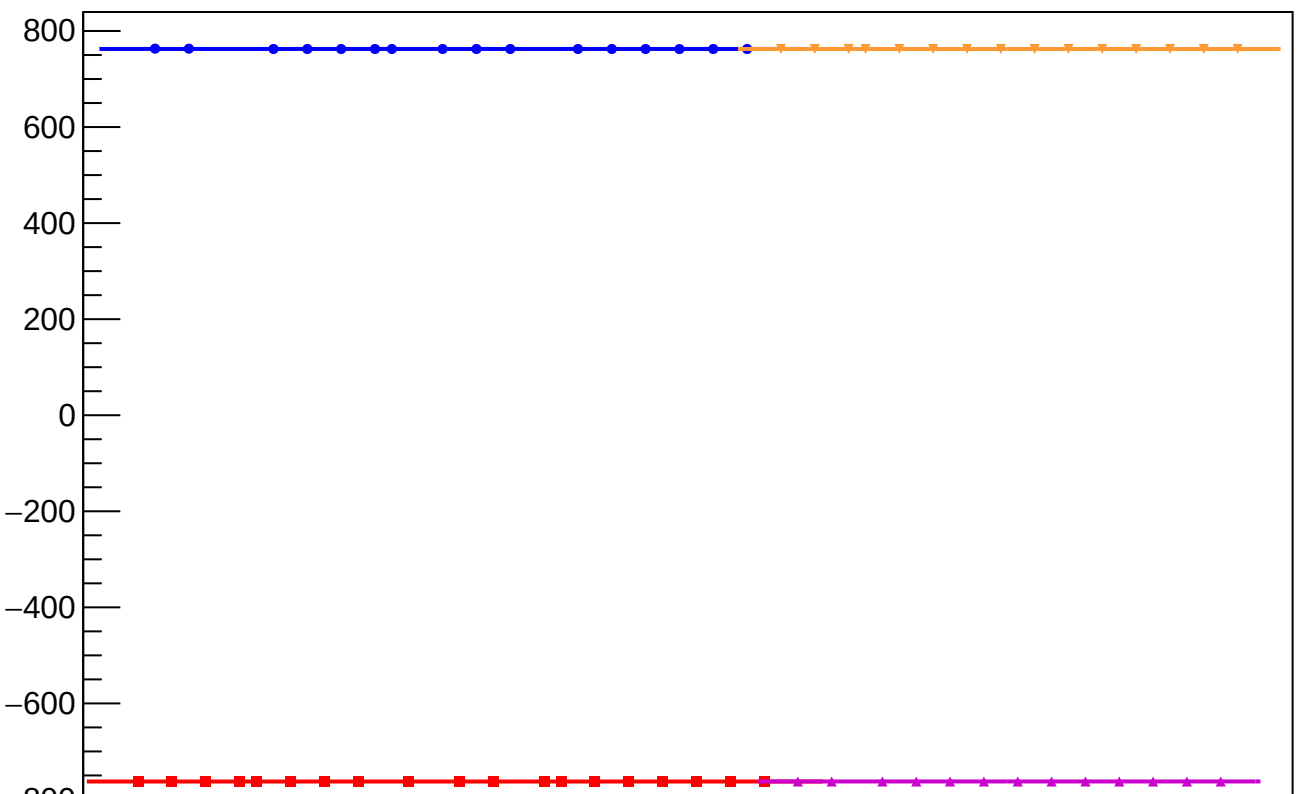
Left: 37.030+/-0.000 χ^2/NDF: 20270915841544020

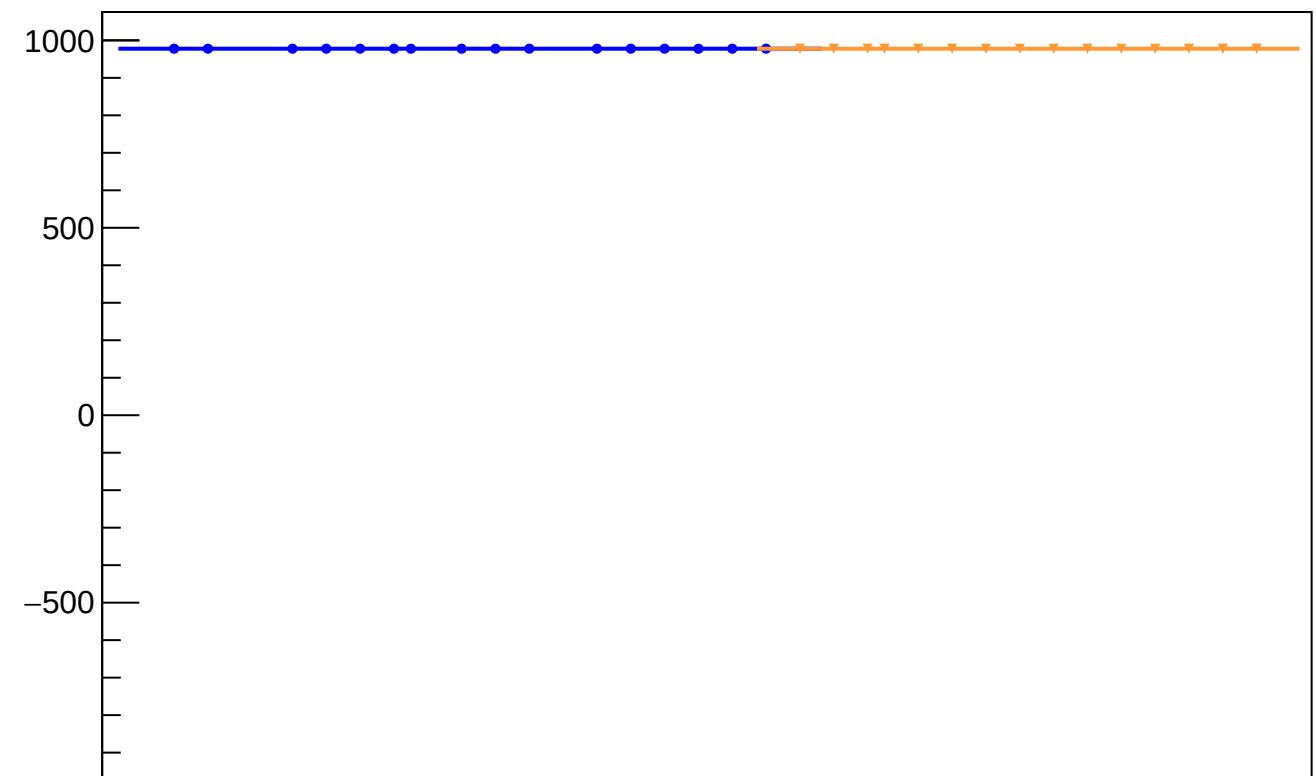
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -195.831+/-0.000 χ^2/NDF:153640788488755 1

Out: 218.167+/-0.000 χ^2/NDF:161356632064943 8

All: 17.415+/-0.000 χ^2/NDF: 331594672212 8


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
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.506+/-0.000 χ²/NDF:3167919244940470389998480261120/14
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.506+/-0.000 χ²/NDF:233692876621267123424204947456.0/12
Left: 30.526+/-0.000 χ²/NDF: 1377488761799544
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -161.383+/-0.000 χ²/NDF:1044216205931787
Out: 179.797+/-0.000 χ²/NDF:1096660514470763
All: 14.355+/-0.000 χ²/NDF: 2253598624091



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.743+/-0.000 χ^2/NDF:10219105980027907322342927237120/14

Right Out: -977.747+/-0.000 χ^2/NDF: 17822268778169147263279662366720/18

Left In: -977.740+/-0.000 χ^2/NDF:97198991866714699736707969843 2.0/12

Left: 39.144+/-0.000 χ^2/NDF: 22649022423432125

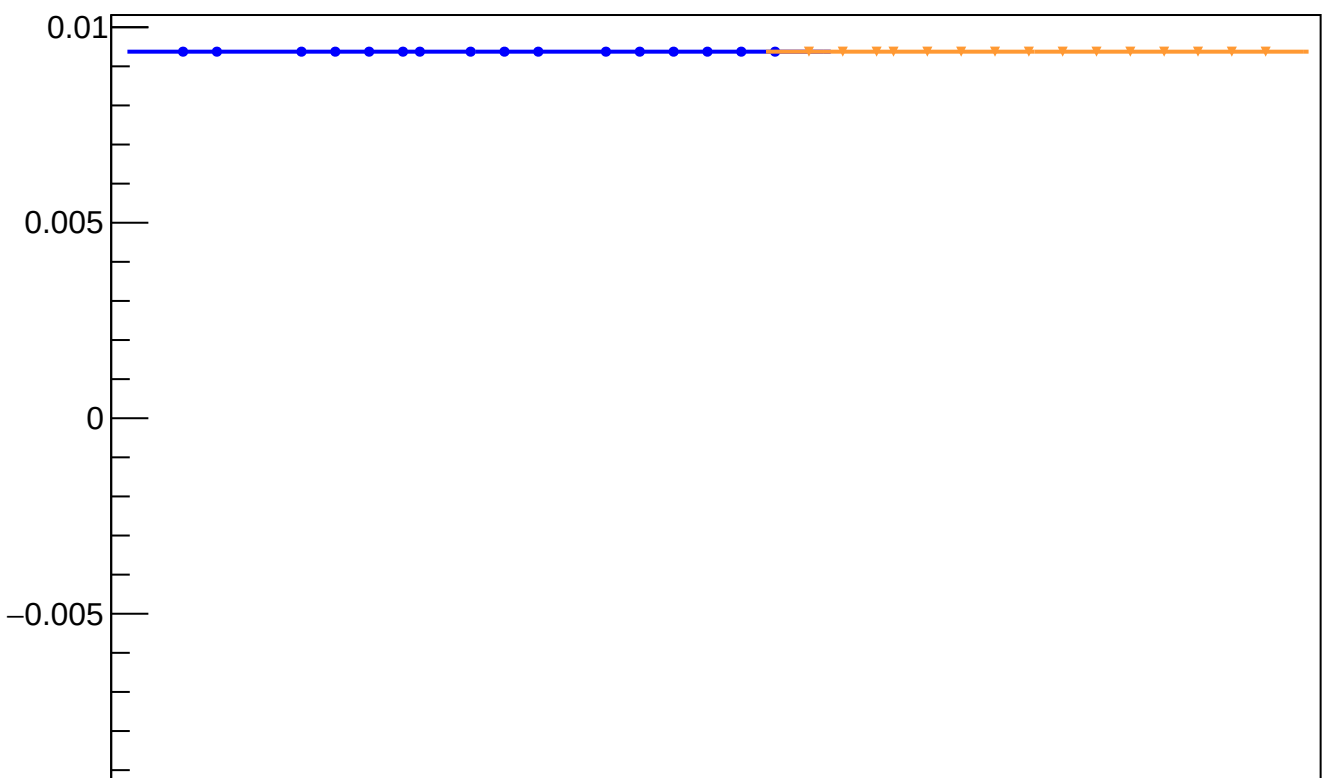
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -206.986+/-0.000 χ^2/NDF:1716702688693860

Out: 230.603+/-0.000 χ^2/NDF:1802905775550157

All: 18.411+/-0.000 χ^2/NDF: 3705035490148

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:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

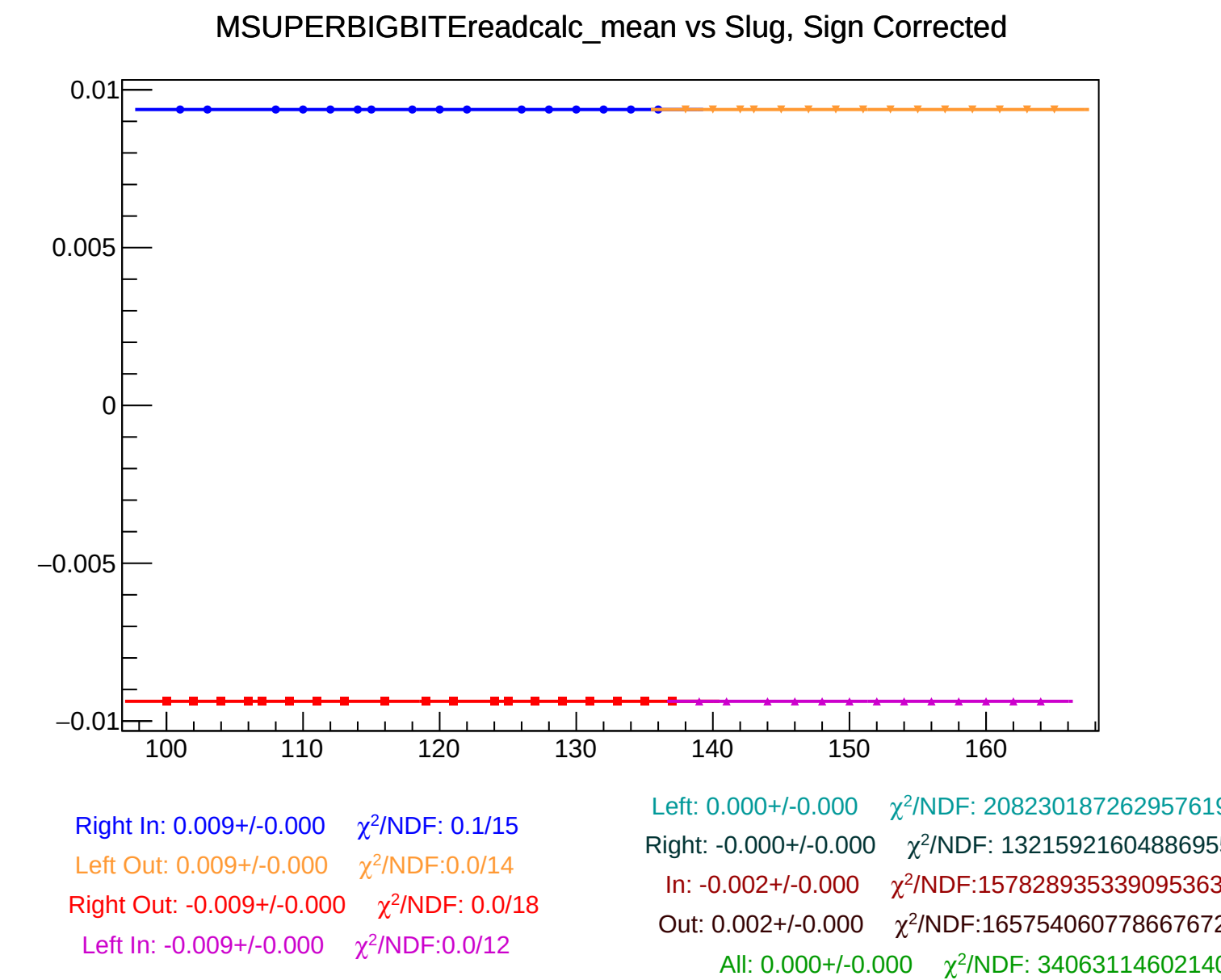
Left: 0.000+/-0.000 χ^2/NDF: 208230187262957619

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

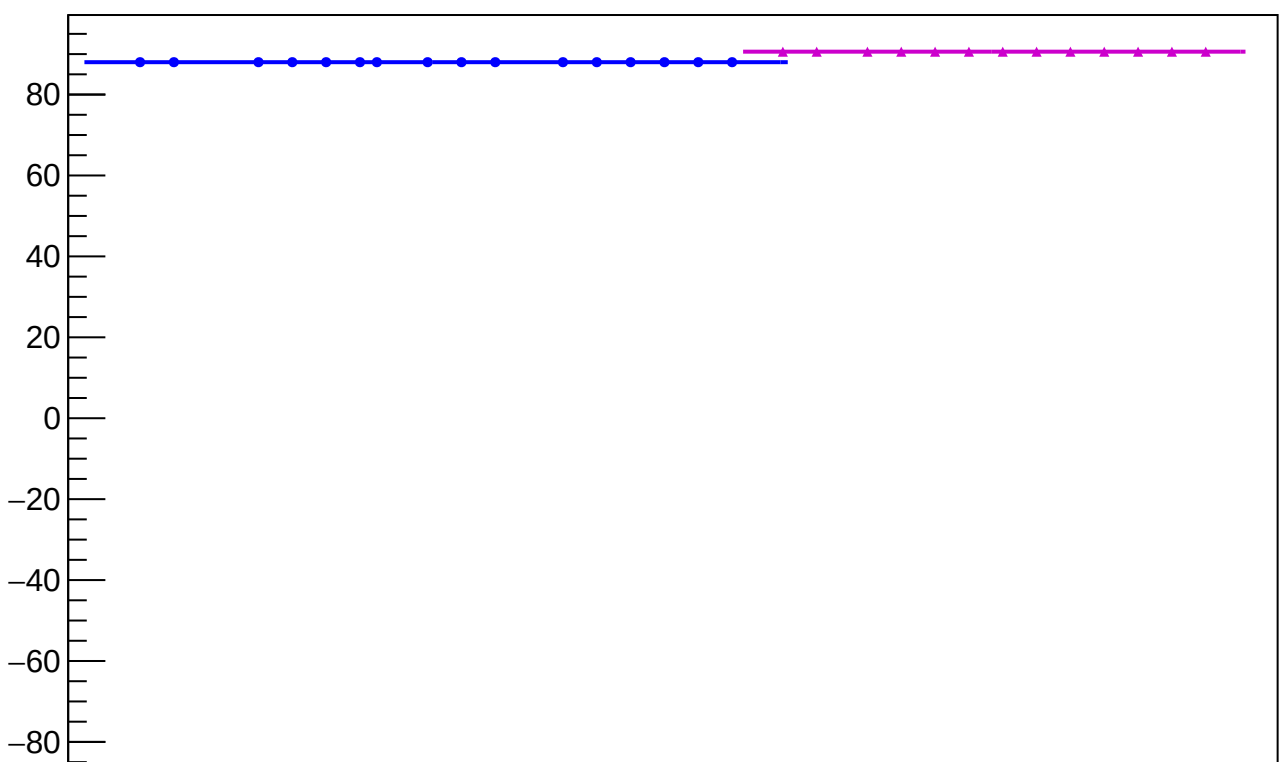
In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34063114602140


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/14
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/12
Left: 0.000+/-0.000 χ²/NDF: 208230187262957619
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.002+/-0.000 χ²/NDF:157828935339095363
Out: 0.002+/-0.000 χ²/NDF:165754060778667672
All: 0.000+/-0.000 χ²/NDF: 34063114602140

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:4329773.5/14

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:2828287.2/12

Left: -3.627+/-0.000 χ^2/NDF: 19446918373801773

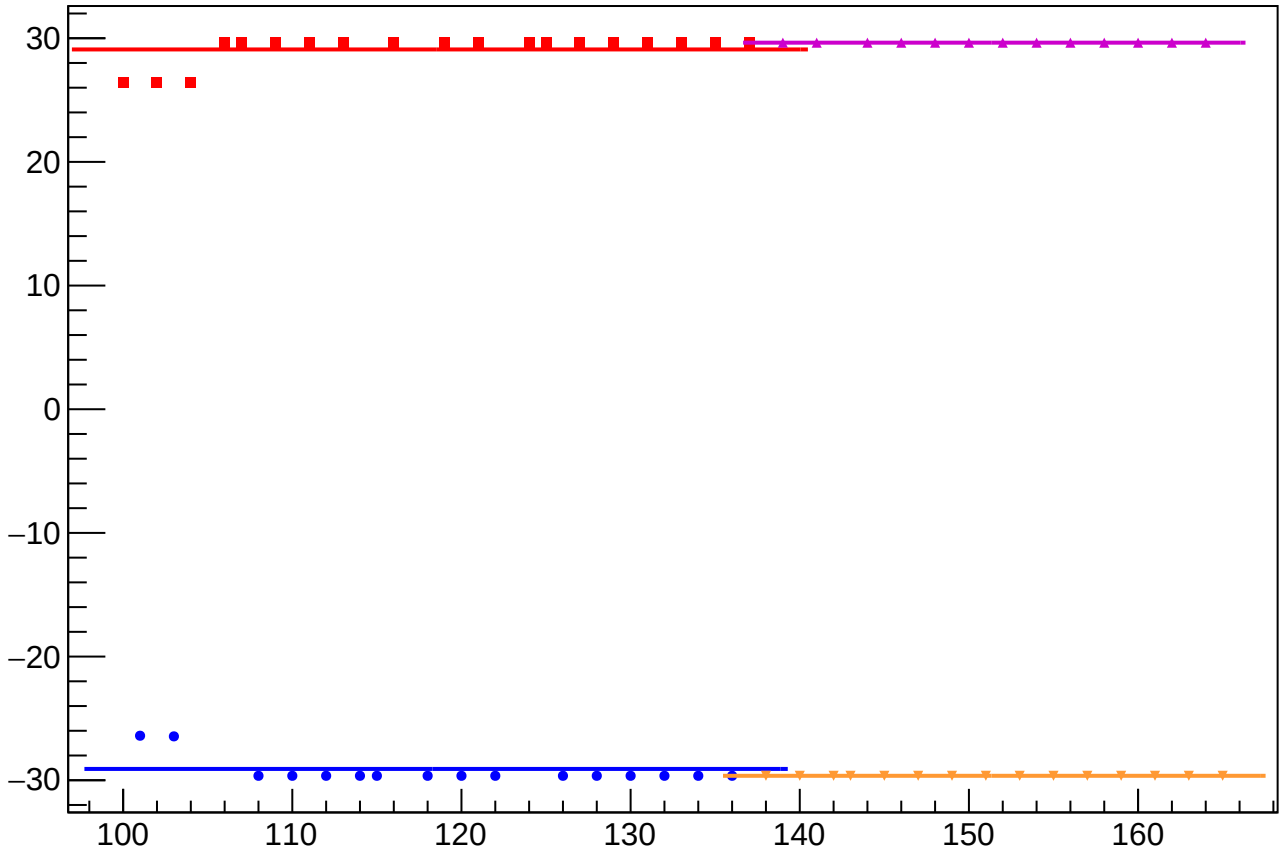
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.575+/-0.000 χ^2/NDF:303152296082583125

Out: -89.607+/-0.000 χ^2/NDF:3177197801222762

All: -2.720+/-0.000 χ^2/NDF: 3109697994764

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:210152.5/14

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:89766.1/12

Left: -1.187+/-0.000 χ^2/NDF: 208150826691117 33

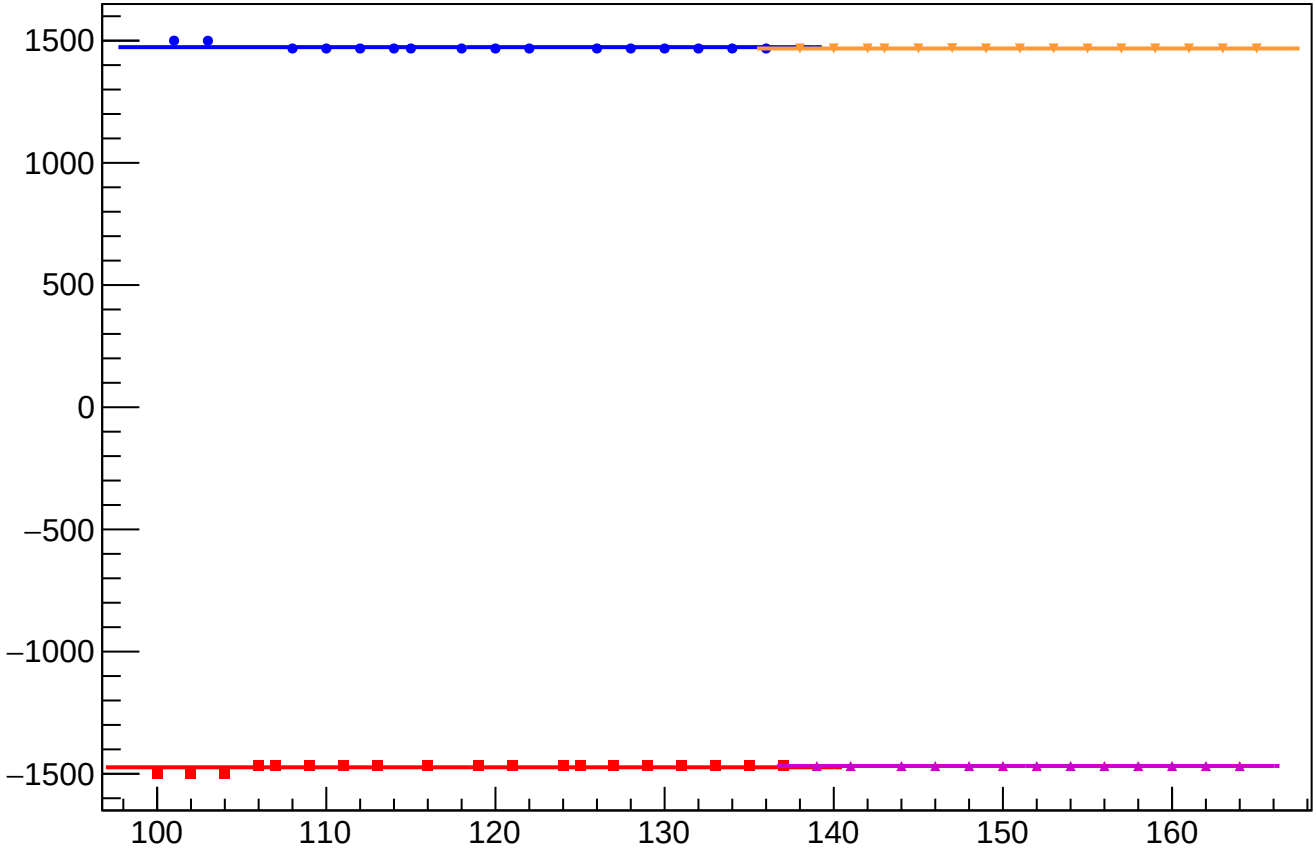
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: 6.494+/-0.000 χ^2/NDF:154936345230295 7288

Out: -7.200+/-0.000 χ^2/NDF:162755453455736 18

All: -0.560+/-0.000 χ^2/NDF: 335851268986 9

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.083+/-0.000 χ^2/NDF:13619007563460736108480860415590 4.0/14

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.990+/-0.000 χ^2/NDF:11367164175988558094262285107 2.0/12

Left: 58.818+/-0.000 χ^2/NDF: 5105929504533021

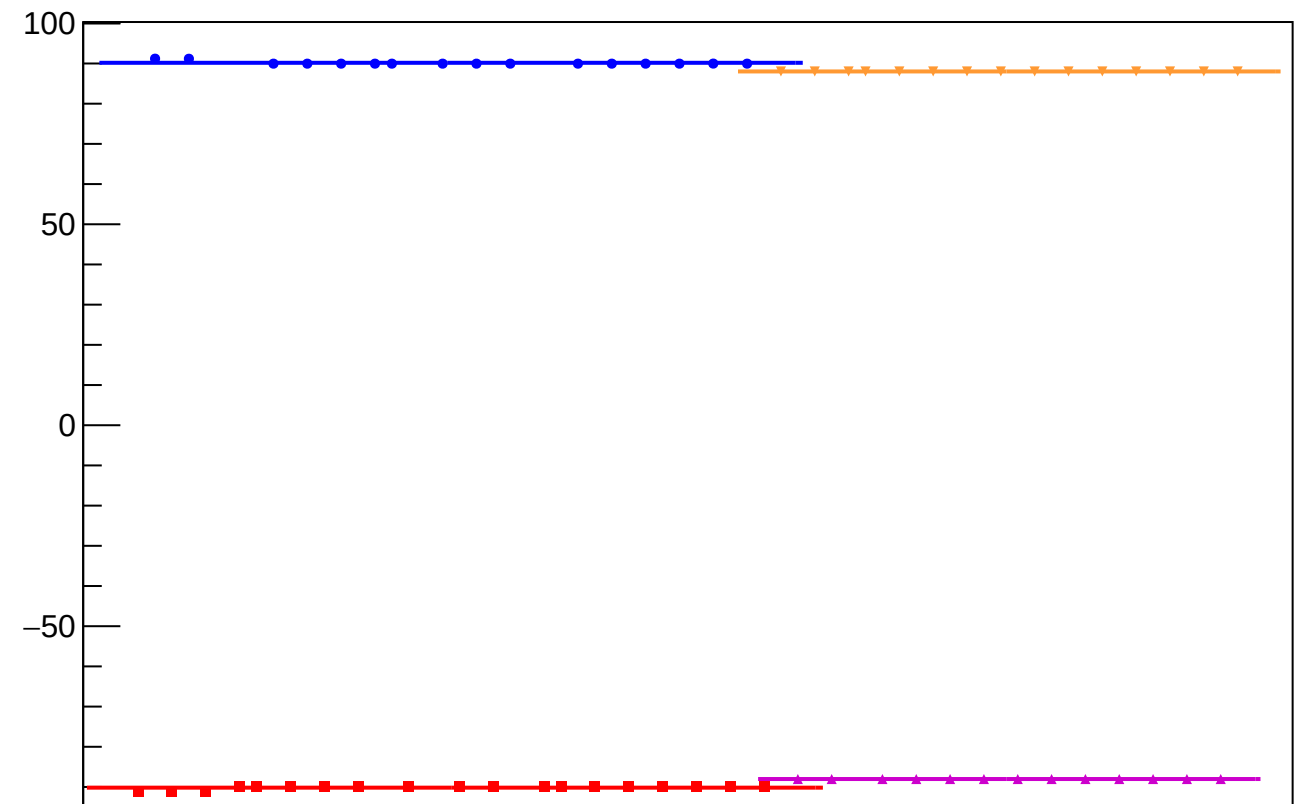
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: -308.618+/-0.000 χ^2/NDF:3884374537773629

Out: 344.224+/-0.000 χ^2/NDF:4079472800411520

All: 27.654+/-0.000 χ^2/NDF: 837656763902

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:5218346.4/14

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:2549598.4/12

Left: 3.524+/-0.000 χ^2/NDF: 1835569377462818431

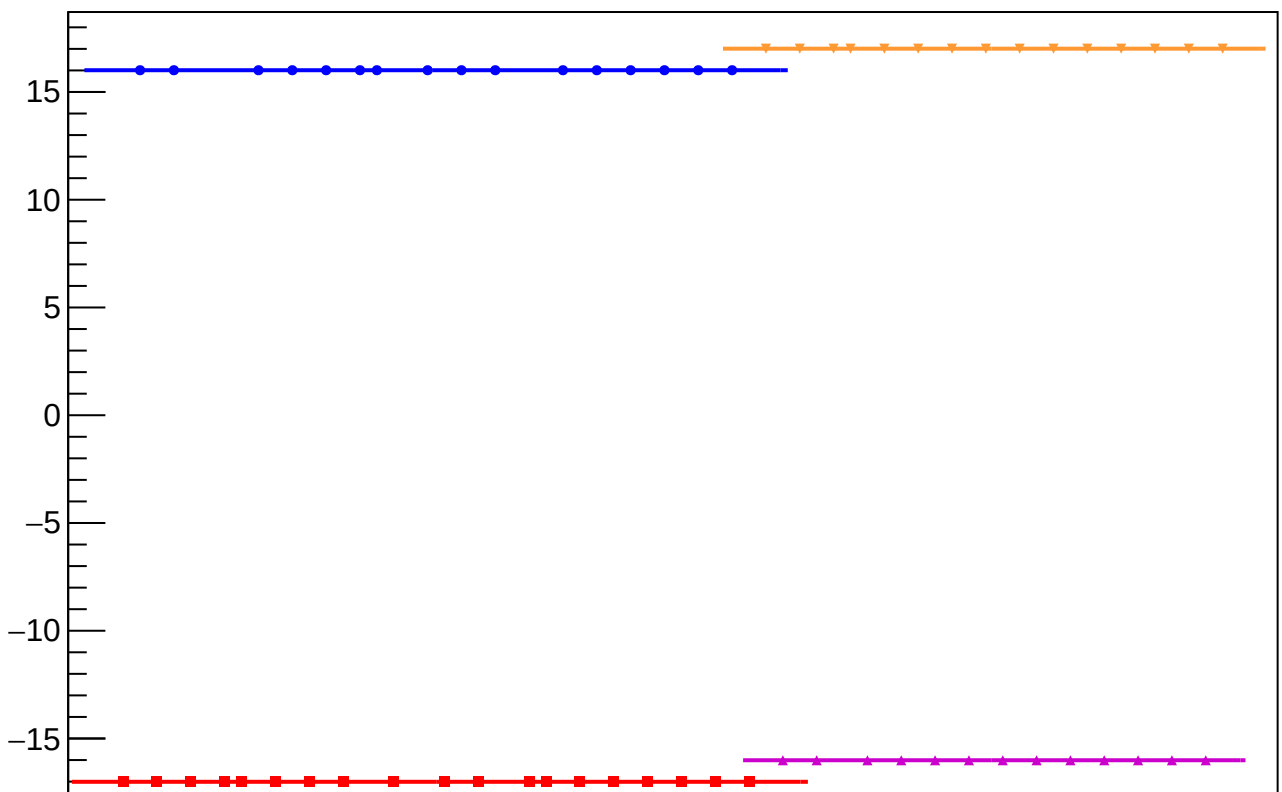
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -17.786+/-0.000 χ^2/NDF:1425517260086012

Out: 19.939+/-0.000 χ^2/NDF:1497032900167168

All: 1.646+/-0.000 χ^2/NDF: 3060367084464

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:1903832846848754452529152O.0/14

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:159488.7/12

Left: 0.993+/-0.000 χ^2/NDF: 592827727166365047

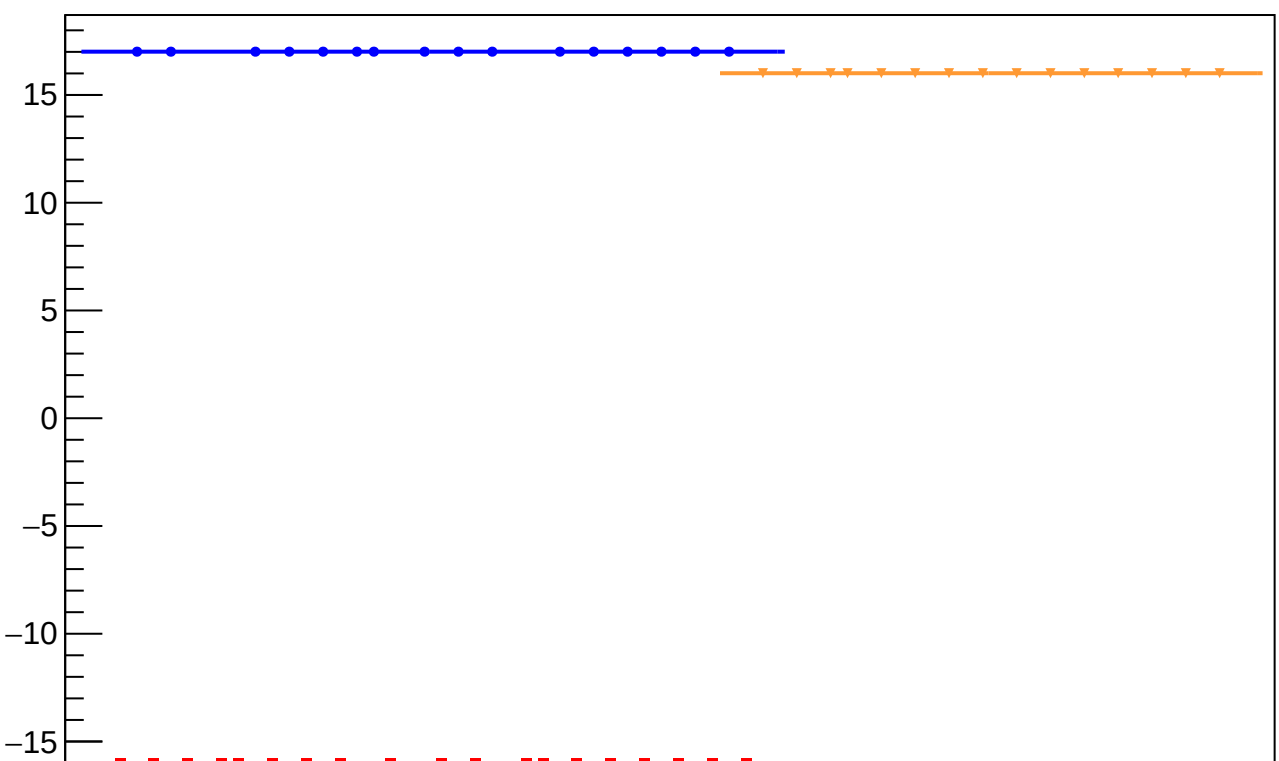
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -3.224+/-0.000 χ^2/NDF:432305644492321357

Out: 4.013+/-0.000 χ^2/NDF:49560106194508952

All: 0.451+/-0.000 χ^2/NDF: 97466420861882

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:63740.0/14

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:32766.1/12

Left: 0.254+/-0.000 χ^2/NDF: 637274967822202829

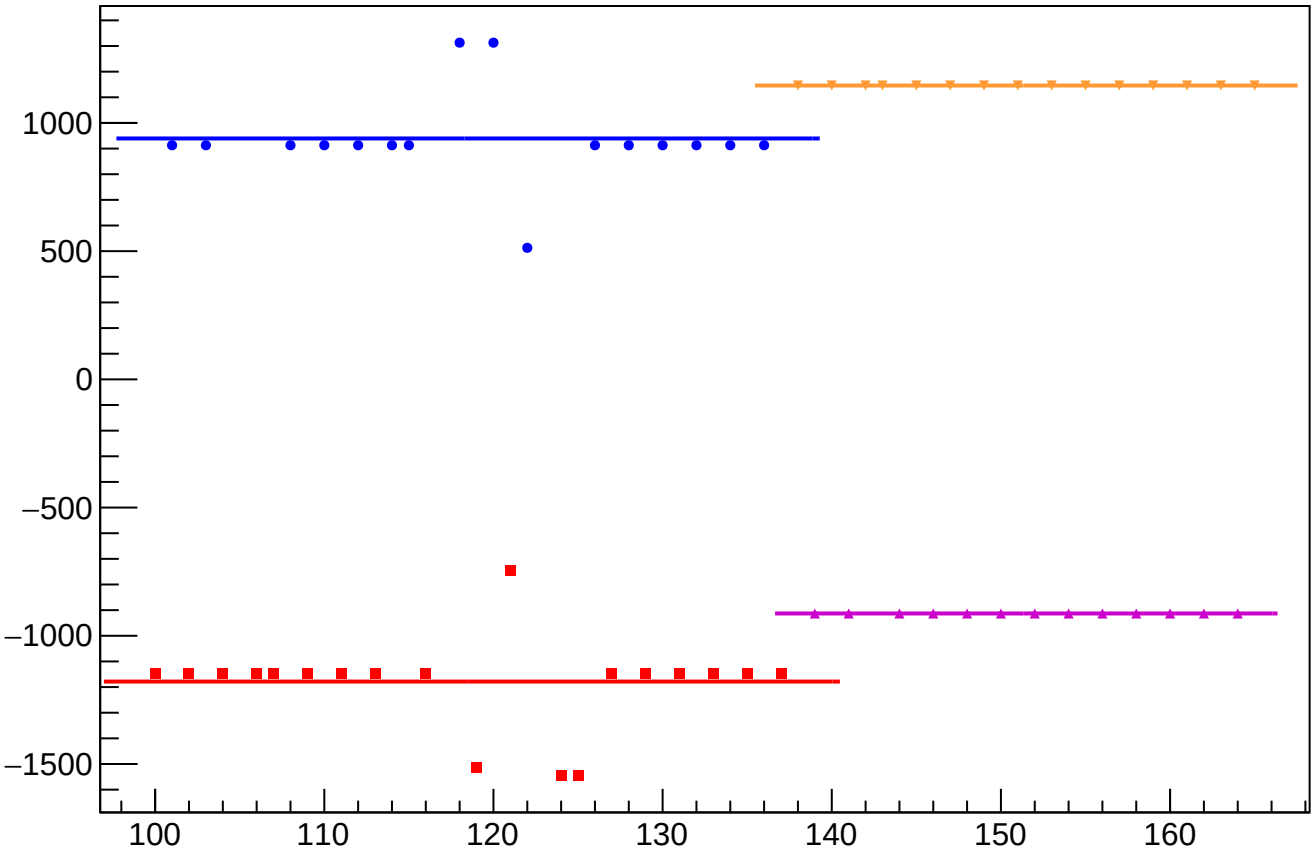
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -3.831+/-0.000 χ^2/NDF:501227686046103785

Out: 3.760+/-0.000 χ^2/NDF:480446399634084945

All: 0.123+/-0.000 χ^2/NDF: 10364483787755

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF:490471650663086008794349568 0.0/14

Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148377415 68.0/18

Left In: -912.995+/-0.000 χ^2/NDF:16685771205751619067085586432.0/12

Left: 157.723+/-0.000 χ^2/NDF: 2511055255555493

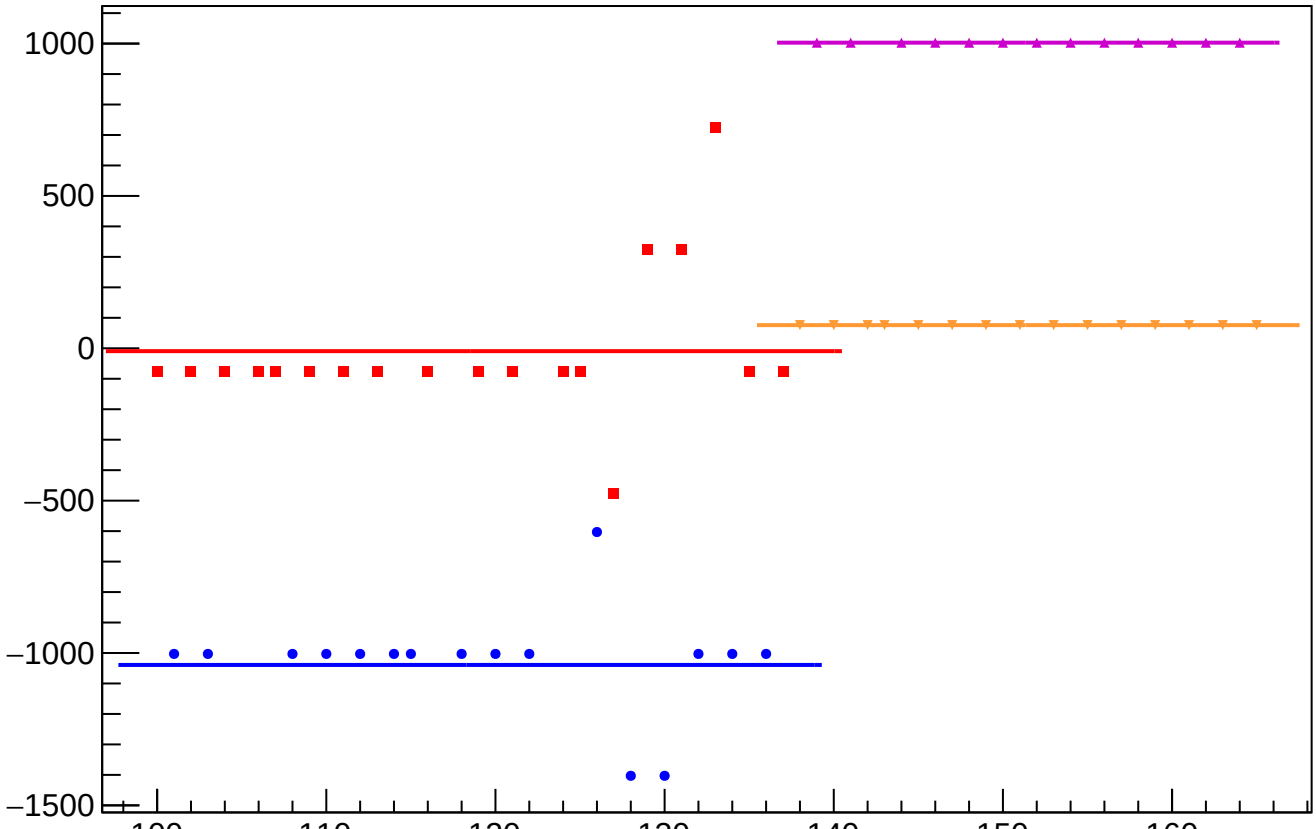
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: -182.857+/-0.000 χ^2/NDF:1561621952998762

Out: 257.873+/-0.000 χ^2/NDF:2569731758665763

All: 44.158+/-0.000 χ^2/NDF: 4319452243702

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 520.945+/-0.000 χ^2/NDF: 5089561563372785

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Right: -516.762+/-0.000 χ^2/NDF: 467529284129883

Left Out: 76.011+/-0.000 χ^2/NDF:8817163765287941075632128000.0/14

In: 198.080+/-0.000 χ^2/NDF:18950939946212860

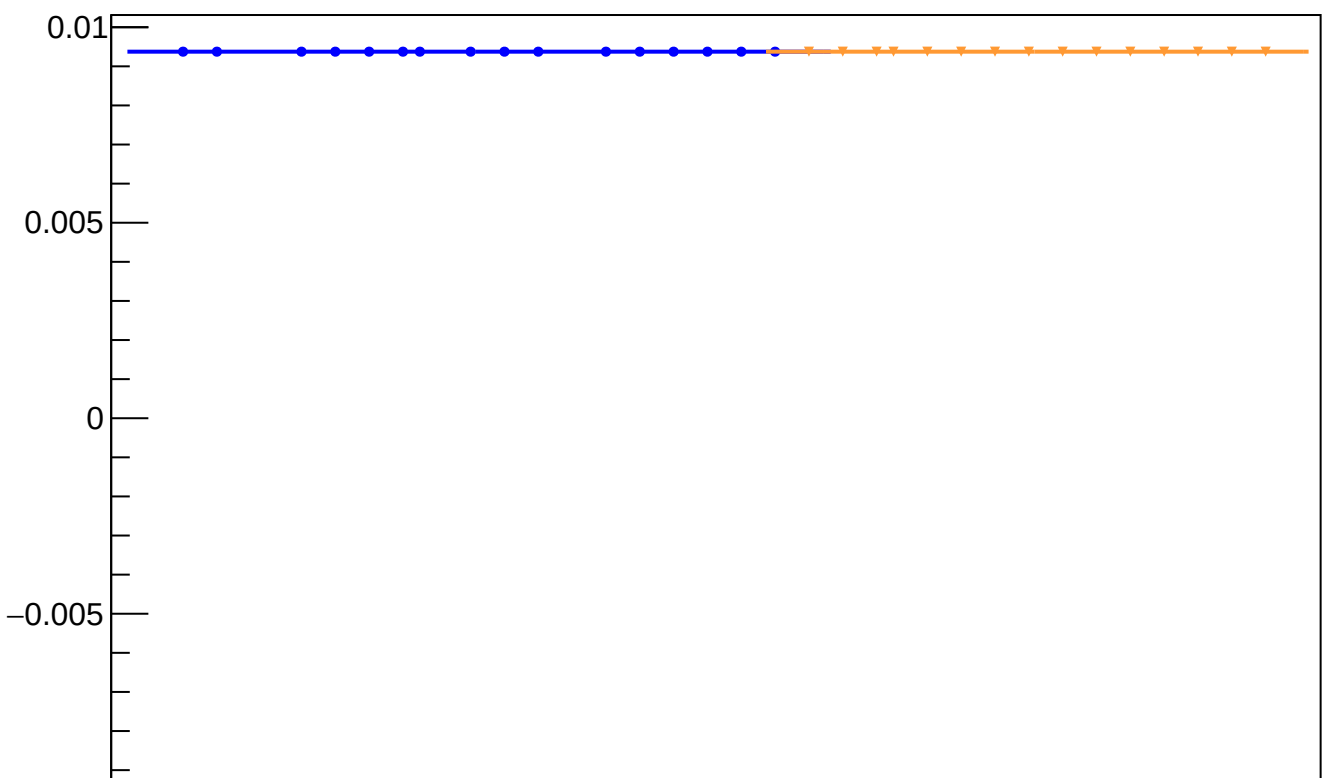
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 43.366+/-0.000 χ^2/NDF:4949925883093070

Left In: 1002.990+/-0.000 χ^2/NDF:16613335123966961030969425920.0/12

All: 118.389+/-0.000 χ^2/NDF: 19677723082

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:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 208230187262957619

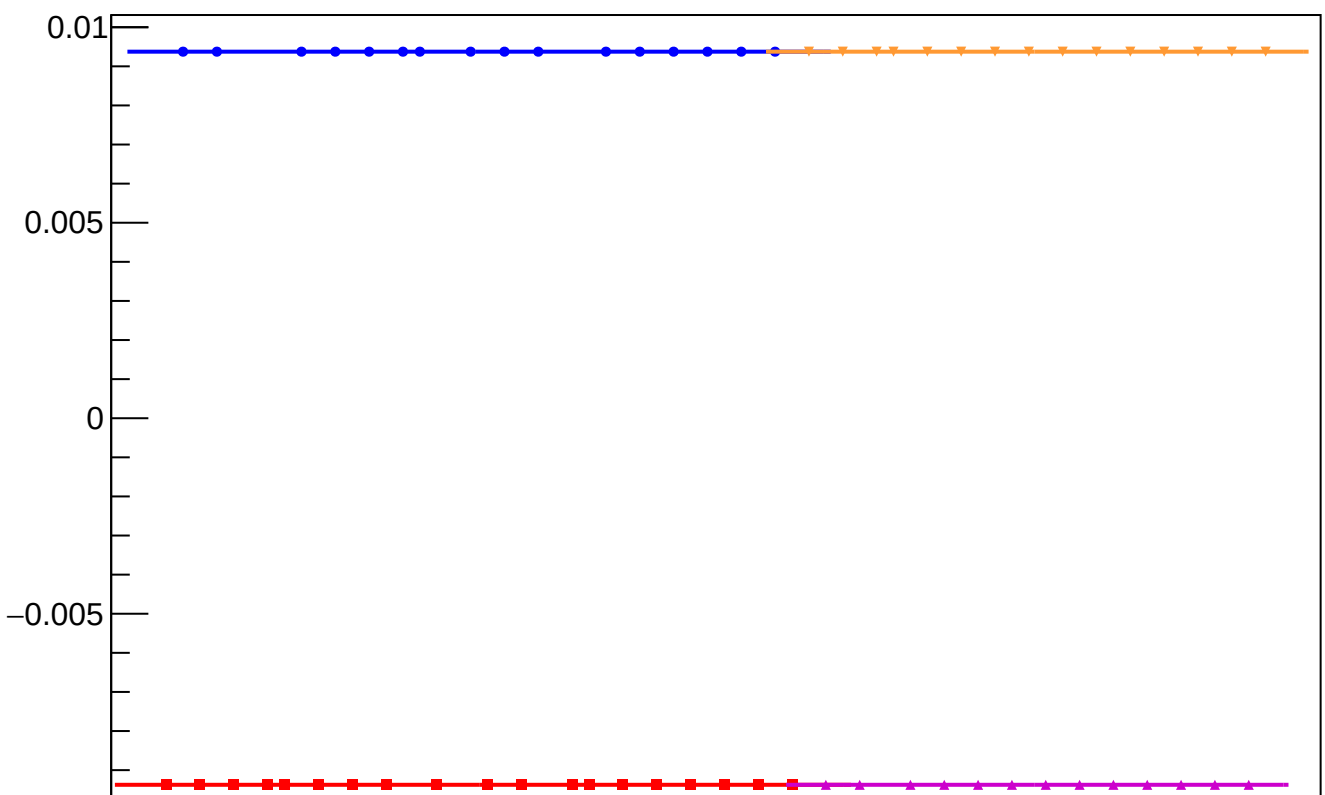
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34063114602140

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:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 208230187262957619

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34063114602140